PALOMAR COLLEGE

NORTH EDUCATION CENTER - INTERIM VILLAGE

15 CLASSROOM MODULARS

35090 HORSE RANCH CREEK ROAD
FALLBROOK, CA 92028

SHEET INDEX

GENERAL
HMC ARCHITECTS
3546 CONCOURS STREET
ONTARIO, CALIFORNIA 91764
PHONE (909) 989-9979

G0.10.3	TITLE SHEET
G1.10.2	LOCAL FIRE AUTHORITY ACCESS SITE PLAN
G1.11.3	CAMPUS PLAN
G1.12.3	CODE ANALYSIS
G1.13.3	CAMPUS ACCESS PLAN
G1.14.3	OCCUPANCY AND EXITING ANALYSIS

ARCHITECT
HMC ARCHITECTS
3546 CONCOURS STREET
ONTARIO, CALIFORNIA 91764
PHONE (909) 989-9979

A1.10.3	OVERALL CAMPUS PLAN
A1.11.3	ENLARGED SITE PLAN
A2.11.3	FLOOR PLANS
A2.12.3	FLOOR PLANS
A10.21	SIGNAGE DETAILS
A10.41	MISCELLANEOUS DETAILS

MECHANICAL
P2S ENGINEERING, INC
5000 EAST SPRING STREET
LONG BEACH, CA 90815
PHONE (562) 497-2999

M0.01	GENERAL NOTES, LEGEND, ABBREVIATIONS, AND SHEET INDEX
M0.02	SCHEDULES & DETAILS
M1.01	INTERIM VILLAGE SITE PLAN
M2.01	IDF FLOOR PLANS
M2.02	MDF FLOOR PLAN
M7.01	TITLE 24 FORMS

ELECTRICAL
JCE, INC
12875 BROOKPRINTER PLACE, SUITE 300
POWAY, CA 92064
PHONE (858) 679-4030

E1.0	ELECTRICAL LEGEND & NOTES
E2.0.0	TITLE 24 OUTDOOR LIGHTING
E3.1	FLOOR PLAN - ELECTRICAL
E3.2	FLOOR PLAN - ELECTRICAL
E3.3	FLOOR PLAN - ELECTRICAL
E4.0	INTERIM VILLAGE - SITE PLAN FIRE ALARM
E4.1	FLOOR PLAN - FIRE ALARM
E4.2	FLOOR PLAN - FIRE ALARM
E4.3	FLOOR PLAN - FIRE ALARM
E4.4	FIRE ALARM SCHEDULE
E4.5	FIRE ALARM RISER DIAGRAM
E4.6	FIRE ALARM CALCULATIONS
E6.1	ELECTRICAL DETAILS
E7.1	ONE LINE DIAGRAM
E7.2	PANEL SCHEDULES

AV/IT/SECURITY
P2S ENGINEERING, INC
5000 EAST SPRING STREET
LONG BEACH, CA 90815
PHONE (562) 497-2999

T1.00	GENERAL NOTES, LEGEND, AND ABBREVIATIONS
T1.01	INTERIM VILLAGE SITE PLAN
T2.01	FLOOR PLAN
T2.02	FLOOR PLAN
T2.03	FLOOR PLAN
T3.01	ENLARGED MDF ROOMS
T3.02	ENLARGED IDF ROOMS
T4.01	SINGLE LINE DIAGRAM
T4.02	SINGLE LINE DIAGRAM
T5.01	DETAILS
T5.02	DETAILS
T5.03	DETAILS
T5.04	DETAILS
TAV4.01	AUDIOVISUAL SYSTEM DIAGRAM PAGING SYSTEM

MODULAR BUILDINGS
ELITE MODULAR
PO BOX 78447
CORONA, CA 92877
PHONE (951) 236-1207
PREPARED BY OTHERS, SEE STATEMENT OF GENERAL CONFORMANCE

PROJECT SPECIFIC SHEET INDEX - CLASSROOM BUILDINGS

ARCHITECTURAL	
A-0N	COVER SHEET
A-0.2N	SCHEDULES
A-1.00N	KEY PLAN
A-1.01N	FLOOR PLAN - 24'X40'
A-1.01.1N	FLOOR PLAN - 24'X40'
A-1.02N	FLOOR PLAN - 36'X40'
A-1.03N	FLOOR PLAN - 48' TO 120'X40'
A-1.03.1N	FLOOR PLAN - 48' TO 120'X40'
A-2.01N	REFLECTED CEILING PLAN - 24'X40'
A-2.01.1N	REFLECTED CEILING PLAN - 24'X40'
A-2.02N	REFLECTED CEILING PLAN - 36'X40'
A-2.03N	REFLECTED CEILING PLAN
A-2.03.1N	REFLECTED CEILING PLAN
A-4.01N	EXTERIOR ELEVATIONS
A-4.02N	EXTERIOR ELEVATIONS
A-4.03N	EXTERIOR ELEVATIONS
A-6.01N	INTERIOR ELEVATIONS
A-6.02N	INTERIOR ELEVATIONS
A-6.03N	INTERIOR ELEVATIONS
PLUMBING	
P-1.01N	PLUMBING DETAILS AND SCHEDULE
MECHANICAL	
M-1.01N	MECHANICAL PLAN WALL MOUNT- 24X40
M-1.01.1N	MECHANICAL PLAN WALL MOUNT - 24X40
M-1.02N	MECHANICAL PLAN WALL MOUNT - 36X40
M-1.03N	MECHANICAL PLAN WALL MOUNT
ELECTRICAL	
E-1.01N	ELECTRICAL PLAN
E-1.01.1N	ELECTRICAL PLAN
E-1.02N	ELECTRICAL PLAN AND SCHEDULE - 36X40
E-1.03N	ELECTRICAL PLAN
E-1.03.1N	ELECTRICAL PLAN

PC SHEET INDEX - CLASSROOM BUILDINGS

ARCHITECTURAL	
A-0	COVER SHEET
A-0A	T&I FORMS
A-0.0	BUILDING OPTIONS SCHEDULE
A-0.1	SYMBOLS LEGEND, ABBREVIATION, AND ADA SIGNAGE
A-0.2	SCHEDULES
A-0.3	TYPICAL KEY PLANS - 24' TO 120'X40'
A-0.5A	ENERGY CALCS - PRF FORMS - ZONE 14 WORST CASE
A-0.5B	ENERGY CALC'S - PRF FORMS - ZONE 15 WORST CASE
A-0.5C	ENERGY CALC'S - PRF FORMS - ZONE 16 WORST CASE
A-0.6A	ENERGY CALC'S - ELC FORMS - 24'X40' BUILDINGS
A-0.6B	ENERGY CALC'S - LTO/MCH FORMS - 24'X40' BUILDINGS
A-0.6C	ENERGY CALC'S - LTI FORMS - 24'X40' BUILDINGS
A-0.6D	ENERGY CALC'S - ELC FORMS - 120'X40' BUILDINGS
A-0.6E	ENERGY CALC'S - LTO/MCH FORMS - 120'X40 BUILDINGS
A-0.6F	ENERGY CALC'S - LTI FORMS - 120'X40' BUILDINGS
A-0.7	DESIGN ENERGY VALUES BY ZONE & CALGREEN SPECIFICATIONS
A-1.01	FLOOR PLAN - 24'X40'
A-1.02	FLOOR PLAN - 36'X40'
A-1.03	FLOOR PLAN - 48' TO 120'X40'
A-2.01	REFLECTED CEILING PLAN - 24'X40'
A-2.02	REFLECTED CEILING PLAN - 36'X40'
A-2.03	REFLECTED CEILING PLAN - 48' TO 120'X40'
A-2.20	CEILING DETAILS - T-GRID
A-3.01	ROOF PLAN - 24'X40' - 0.018" METAL DECK - MONO OR DUAL SLOPE
A-3.02	ROOF PLAN - 36'X40'- 0.018" METAL DECK - MONO OR DUAL SLOPE
A-3.03	ROOF PLAN - 48' TO 120'X40' - 0.018" METAL DECK - MONO SLOPE
A-3.50	ROOF DETAILS - 0.018" STANDING SEAM ROOF DECK
A-4.01	EXTERIOR ELEVATIONS -24'X40'- MONO OR DUAL SLOPE
A-4.02	EXTERIOR ELEVATIONS - 36'X40'- MONO SLOPE
A-4.04	EXTERIOR ELEVATIONS - 48' TO 120'X40'- MONO SLOPE
A-5.01	CROSS SECTION - MONO SLOPE - 0.018" OR BUILT UP ROOF DECK OR PARAPET
A-5.05	CROSS SECTION
A-5.50	ARCHITECTURAL DETAILS - WOOD STUD - SHTG
A-5.70	ARCHITECTURAL DETAILS - FLOOR
A-5.80	ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS
A-5.81	ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS
A-6.01	INTERIOR ELEVATIONS - 24'X40'
A-6.02	INTERIOR ELEVATIONS - 36'X40'
A-6.03	INTERIOR ELEVATIONS - 48' TO 120'X40'
FOUNDATION	
F-0.02	WOOD FOUNDATION PLAN - 24'X40' (50+15 PSF)
F-0.12	WOOD FOUNDATION PLAN - 36'X40' (50+15 PSF)
F-0.14	WOOD FOUNDATION PLAN - 36'X40' (150 PSF)
F-0.22	WOOD FOUNDATION PLAN - 48'X40' (50+15 PSF)
F-0.24	WOOD FOUNDATION PLAN - 48'X40' (150 PSF)
F-0.50	FOUNDATION DETAILS WOOD
STRUCTURAL	
S-0.1	STRUCTURAL SPECIFICATIONS
S-1.01	FLOOR FRAMING PLAN - WOOD FLOOR
S-1.50	FLOOR FRAMING DETAILS - WOOD FLOOR
S-2.01	ROOF FRAMING PLAN - 0.018", BUILT UP, OR TPO ROOF - MONO SLOPE
S-2.50	ROOF FRAMING DETAILS - MONO SLOPE
S-2.60	ROOF FRAMING DETAILS
S-2.90	ROOF FRAMING DETAILS - TRUSS
S-3.01	BUILDING SECTION - MONO SLOPE ROOF
S-5.00	WALL FRAMING ELEVATIONS - WOOD STUDS
S-5.10	WALL FRAMING DETAILS - WOOD STUDS
S-5.11	WALL FRAMING DETAILS - WOOD STUDS
PLUMBING	
P-1.01	PLUMBING DETAILS AND SCHEDULE
MECHANICAL	
M-0.1	MECHANICAL NOTES, SCHEDULES, AND DETAILS
M-1.01	MECHANICAL PLAN - WALL MOUNT - 24'X40'
M-1.02	MECHANICAL PLAN - WALL MOUNT - 36'X40'
M-1.03	MECHANICAL PLAN - WALL MOUNT - 48' TO 120'X40'
ELECTRICAL	
E-1.01	ELECTRICAL PLAN AND SCHEDULE - 24'X40'
E-1.02	ELECTRICAL PLAN AND SCHEDULE - 36'X40'
E-1.03	ELECTRICAL PLAN AND SCHEDULE - 48' TO 120'X40'
RAMP	
R-1.01	RAMP LANDING
R-1.03	RAMP LANDING
R-2.01	RAMP DETAILS

PROJECT SPECIFIC SHEET INDEX - RESTROOM BUILDINGS

ARCHITECTURAL	
A-0N	COVER SHEET
A-0.2N	SCHEDULES
A-1.00N	KEY PLAN
A-1.01N	FLOOR PLAN
A-2.01N	REFLECTED CEILING PLAN

PC SHEET INDEX - RESTROOM BUILDINGS

ARCHITECTURAL	
A-0	COVER SHEET
A-0A	T & I FORMS
A-0.0	BUILDING OPTIONS SCHEDULE
A-0.1	SYMBOLS LEGEND, ABBREVIATION, AND ADA SIGNAGE
A-0.2	SCHEDULES

MODULAR BUILDINGS
ELITE MODULAR
PO BOX 78447
CORONA, CA 92877
PHONE (951) 236-1207
PREPARED BY OTHERS, SEE STATEMENT OF GENERAL CONFORMANCE

A-0.5A	ENERGY COMPLIANCE FORMS
A-0.5B	ENERGY COMPLIANCE FORMS
A-0.5C	ENERGY CALC'S PRF FORMS ZONE 14 WORST CASE
A-0.5D	ENERGY CALC'S PRF FORMS ZONE 15 WORST CASE
A-0.5E	ENERGY CALC'S PRF FORMS ZONE 16 WORST CASE
A-0.7	DESIGN ENERGY VALUES BY ZONE & CALGREEN SPECIFICATIONS
A-1.03	FLOOR PLAN - 12'x40' - "MODEL C-1" OR 12'x40' - "MODEL C-2"
A-2.03	REFLECTED CEILING PLAN - 12'X40' "MODEL C-1" OR "MODEL C-2"
A-2.20	CEILING DETAILS - T-GRID
A-3.01	ROOF PLAN - 12'X40' - 0.018" METAL DECK - MONO OR DUAL SLOPE
A-3.50	ROOF DETAILS - 0.018" STANDING SEAM ROOF DECK
A-4.06	EXTERIOR ELEVATIONS - 12'X40' - "MODEL C-2" - MONO/DUAL SLOPE
A-5.02	CROSS SECTION - DUAL SLOPE - 0.018" OR BUILT UP ROOF DECK
A-5.05	CROSS SECTION
A-5.50	ARCHITECTURAL DETAILS - WOOD STUD - SHTG
A-5.70	ARCHITECTURAL DETAILS - FLOOR
A-5.80	ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS
A-5.81	ARCHITECTURAL DETAILS - MISCELLANEOUS INTERIOR ELEVATIONS - WALL MOUNTED

MODULAR BUILDINGS
ELITE MODULAR
PO BOX 78447
CORONA, CA 92877
PHONE (951) 236-1207
PREPARED BY OTHERS, SEE STATEMENT OF GENERAL CONFORMANCE

FOUNDATION	
F-0.02	WOOD FOUNDATION PLAN - 12'X40' (50+15 PSF)
F-0.50	FOUNDATION DETAILS - WOOD
STRUCTURAL	
S-0.1	STRUCTURAL SPECIFICATIONS
S-1.01	FLOOR FRAMING PLAN - WOOD FLOOR
S-1.50	FLOOR FRAMING DETAILS - WOOD FLOOR
S-2.11	ROOF FRAMING PLAN - 0.018", BUILT UP, OR TPO ROOF - DUAL SLOPE
S-2.51	ROOF FRAMING DETAILS - DUAL SLOPE
S-2.60	ROOF FRAMING DETAILS
S-3.02	BUILDING SECTION - DUAL SLOPE
S-5.00	FRAMING ELEVATIONS - WOOD STUDS
S-5.10	WALL FRAMING DETAILS - WOOD STUDS
S-5.11	WALL FRAMING DETAILS - WOOD STUDS
PLUMBING	
P-1.03A	PLUMBING PLAN AND ISOMETRICS - "MODEL C-1" OR "MODEL C-2" "ADULT"
P-2.01	PLUMBING DETAILS AND SCHEDULE
MECHANICAL	
M-0.1	MECHANICAL NOTES, SCHEDULES, AND DETAILS
ELECTRICAL	
E-1.03	ELECTRICAL PLAN AND SCHEDULE - "MODEL C-1" OR "MODEL C-2"
RAMP	
R-1.03	RAMP LANDING
R-2.01	RAMP DETAILS

Example of Statement of General Conformance and Signature Block per IR A-18

Statement of General Conformance

FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS,
INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS

(Application No. 04-116581 File No. 37-C1)

☒ The drawings or sheets listed on the cover or index sheet
☐ This drawing, page of specifications/calculations

have been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:

1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and
2) coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.

The Statement of General Conformance "shall not be construed as relieving me of my rights, duties, and responsibilities under Sections 17302 and 81138 of the Education Code and Sections 4-336, 4-341 and 4-344" of Title 24, Part 1. *(Title 24, Part 1, Section 4-317 (b))*

I certify that: ☒ All drawings or sheets listed on the cover or index sheet ☐ This drawing or page

☒ is/are in general conformance and ☒ have been coordinated	☐ is/are in general conformance and ☐ have been coordinated
Signature	Signature
9/14/2017	
Date	Date
Architect or Engineer designated to be in general responsible charge	**Architect or Engineer delegated responsibility for this portion of the work.**
Brad Glassick	
Print Name	Print Name
C-32427	2/28/2019
License Number	Expiration Date

SCOPE OF WORK

WORK INCLUDED IN THE CONTRACT:

PLACEMENT OF 15 MODULAR BUILDINGS

GENERAL NOTES

1. CONSTRUCTION DOCUMENTS DESCRIBE THE PRODUCTS, SYSTEMS, QUANTITIES, CONFIGURATION, AND PERFORMANCE SPECIFICATIONS THAT DELIVER THE OVERALL DESIGN INTENT OF THE PROJECT.

2. THE CONSTRUCTION DOCUMENT DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY BOTH.

3. PERFORMANCE BY THE CONSTRUCTION TEAM SHALL BE CONSISTENT WITH THE CONSTRUCTION DRAWINGS AND SPECIFICATIONS AS NECESSARY TO DELIVER THE INDICATED RESULTS OF THE DESIGN INTENT.

4. VERIFY ALL DIMENSIONS, LOCATIONS OF EXISTING UTILITIES, AND CONDITIONS ON THE JOB SITE PRIOR TO THE START OF WORK OR PORTIONS OF THE WORK. NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN THE ACTUAL FIELD CONDITIONS AND THE CONSTRUCTION DOCUMENTS. EXISTING CONDITIONS ARE INDICATED AS A RESULT OF FIELD OBSERVATIONS, INFORMATION SHOWN ON AVAILABLE DOCUMENTS AND FIELD CONDITIONS AT THE TIME OF PREPARATION.

5. ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH ALL GOVERNING CODES, ORDINANCES, REGULATIONS AND LAWS.

6. THE DESIGN ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS AND SCAFFOLDING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

7. WHERE ANY CONFLICT OCCURS BETWEEN THE REQUIREMENTS OF LAWS, CODES, ORDINANCES, RULES AND REGULATIONS, THE MOST STRINGENT SHALL GOVERN.

8. IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM PLANS, SECTIONS OR DETAILS ON THE DRAWINGS.

9. DETAILS MARKED 'TYPICAL' SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY NOTED OTHERWISE.

10. ENACT ALL MEASURES TO PROTECT AND SAFEGUARD ALL EXISTING ELEMENTS TO REMAIN FROM BEING DAMAGED. REPLACE OR REPAIR EXISTING ELEMENTS DAMAGED BY THE EXECUTION OF THIS CONTRACT TO EQUAL OR BETTER CONDITION.

11. PRIOR TO THE START OF WORK THE CONTRACTOR SHALL COORDINATE BETWEEN THE REQUIREMENTS OF ALL DISCIPLINES HEREIN AND BETWEEN THE REQUIREMENTS OF ALL DRAWINGS AND SPECIFICATIONS IN ORDER THAT ALL ITEMS SATISFACTORILY RELATE TO ONE ANOTHER. NOTIFY ARCHITECT IMMEDIATELY REGARDING ANY ITEMS THAT CANNOT BE COORDINATED.

12. CONTRACTOR SHALL EXCERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING, CONDUIT, ETC. AND TO PREVENT HAZARD TO PERSONNEL AND/OR TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.

13. CHANGES TO THE APPROVED DRAWINGS AND/OR SPECIFICATIONS SHALL BE MADE BY ADDENDA OR A CHANGE ORDER.

14. CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH THE EXISTING OR NEW STRUCTURAL ELEMENTS SHALL NOT TO BE STARTED UNTIL THE DETAILS HAVE BEEN REVIEWED AND APPROVED BY THE ARCHITECT, AND STRUCTURAL ENGINEER OF RECORD.

D.S.A. GENERAL NOTES

1. ALL WORK SHALL CONFORM TO 2016 EDITION TITLE 24, CALIFORNIA CODE OR REGULATION (CCR).

2. THE SCOPE OF WORK INDICATED ON SHEET G0.10.3

3. FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUALL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY THE DSA. LIST DEFERRED SUBMITTAL ITEMS FOR THIS PROJECT:

4. CHANGE TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY DSA, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24 CCR

5. A 'DSA CERTIFIED' PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR. INSPECTOR TO BE CLASS 3.

6. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.

7. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(C), PART 1, TITLE 24, CCR)

8. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

APPLICABLE CODES

PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2017*

2016 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR*
2016 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR
(2015 INTERNATIONAL BUILDING CODE, VOL. 1 & 2 AND 2016 CALIFORNIA AMENDMENTS)
2016 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR
(2014 NATIONAL ELECTRICAL CODE AND 2016 CALIFORNIA AMENDMENTS)
2016 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR
(2015 IAPMO UNIFORM MECHANICAL CODE AND 2016 CALIFORNIA AMENDMENTS)
2016 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR
(2015 IAPMO UNIFORM PLUMBING CODE AND 2016 CALIFORNIA AMENDMENTS)
2016 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR
2016 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR
(2015 INTERNATIONAL FIRE CODE AND 2016 CALIFORNIA AMENDMENTS)
2016 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR
(2015 INTERNATIONAL EXISTING BUILDING CODE AND 2016 CALIFORNIA AMENDMENTS)
2016 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 CCR
2016 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR
TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
2013 ASME A17.1/CSA B44-13 SAFETY CODE FOR ELEVATORS AND ESCALATORS

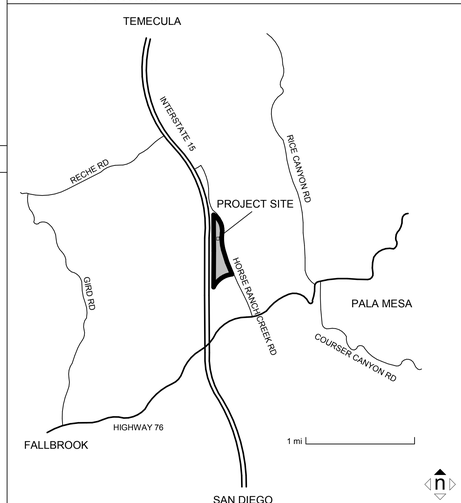
PARTIAL LIST OF APPLICABLE STANDARDS

NFPA 13	STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED)	2016 EDITION
NFPA 14	STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS	2013 EDITION
NFPA 17	STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS	2013 EDITION
NFPA 17A	STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS	2013 EDITION
NFPA 20	STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION	2016 EDITION
NFPA 22	STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION	2013 EDITION
NFPA 24	STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES	2016 EDITION
NFPA 72	NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDED)	2016 EDITION
NFPA 80	STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES	2016 EDITION
NFPA 2001	STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS	2015 EDITION
UL 300	STANDARD FOR FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF COMMERCIAL COOKING EQUIPMENT	2005 (R2010)
UL 464	AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES	2003 EDITION
UL 521	STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS	1999 EDITION
UL 1971	STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED	2002 EDITION
ICC 300	STANDARD FOR BLEACHERS, FOLDING AND TELESCOPIC SEATING, AND GRANDSTANDS	2012 EDITION

FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2016 CBC (SFM) CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 80.

SEE CALIFORNIA BUILDING CODE, CHAPTER 35, FOR STATE OF CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS.

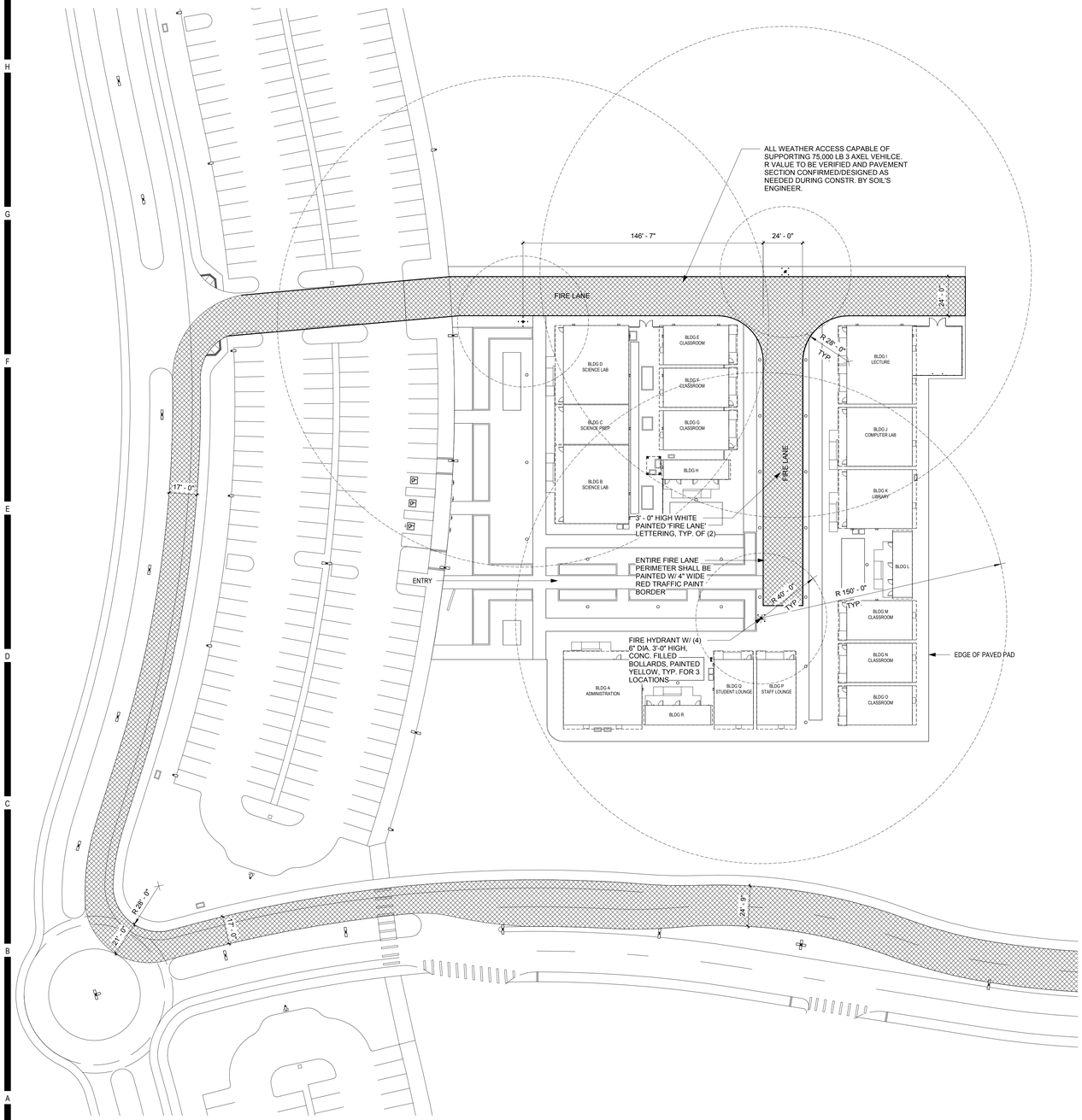
VICINITY MAP



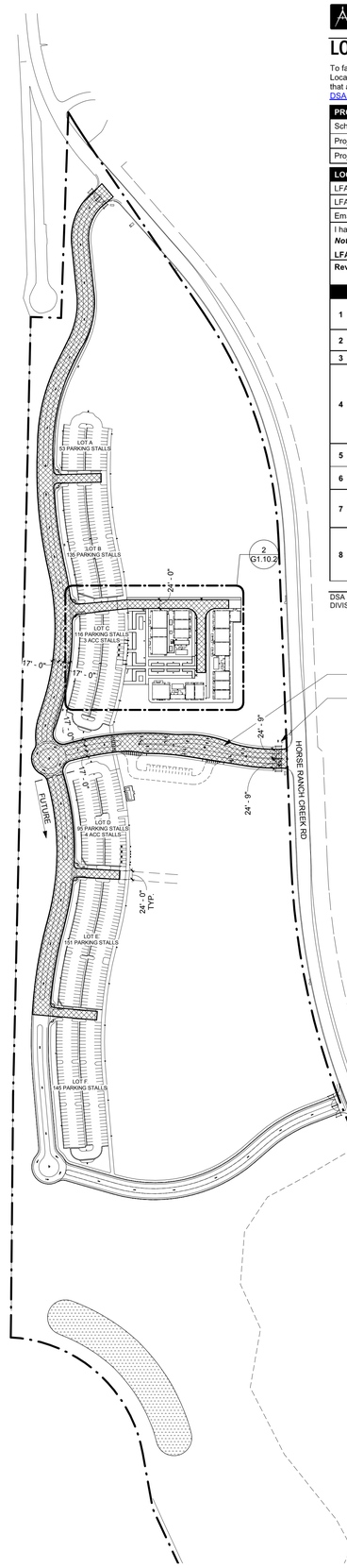
ABBREVIATIONS

Ø	DIAMETER OR ROUND	BTWN	BETWEEN	DIM	DIMENSION	FE	FIRE EXTINGUISHER	HM	HOLLOW METAL	NR	NON RATED	PREP	PREPARE	STL	STEEL
+/-	PLUS/MINUS	C	CHANNEL	DL	DOOR LOUVER	FEC	FIRE EXTINGUISHER W/CABINET	HOR	HORIZONTAL	NTS	NOT TO SCALE	PSF	POUNDS PER SQUARE FOOT	STRUCT	STRUCTURAL
#	POUND OR NUMBER	CER	CERAMIC	DN	DOWN	FF	FINISH FLOOR	HR	HOUR	NTS	NOT TO SCALE	PSI	POUNDS PER SQUARE INCH	T&B	TOP AND BOTTOM
%	PERCENT	CF	CUBIC FEET	DP	DISABLED PERSON ACCESSIBLE	FG	FINISH GRADE	HVAC	HEATING VENTILATION AIR	O/	OVER	PTD	PAINTED	TEMP	TEMPORARY
@	AT	CFCI	CONTRACTOR FURNISHED, OWNER INSTALLED	DS	DOWNSPOUT	FH	FIRE HYDRANT	ID	INSIDE DIAMETER	OA	OVERALL	PVC	POLYVINYL CHLORIDE	TO	TOP OF
°	DEGREE		CONTRACTOR INSTALLED	DWG	DRAWING	FHC	FIRE HOSE W/ CABINET	IN	INCH OR INCHES	OC	ON CENTER	R	RISER, RADIUS	TOC	TOP OF CURB
℄	CENTER LINE	CFOI	CONTRACTOR FURNISHED, OWNER INSTALLED	EA	EACH	FHWS	FLAT HEAD WOOD SCREW	INT	INTERIOR	OD	OUTSIDE DIAMETER	RD	ROOF DRAIN	TOD	TOP OF DRAIN
∠	ANGLE			EJ	EXPANSION JOINT	FL	FLOOR	INV	INVERT	OFCI	OWNER-FURNISHED CONTRACTOR-INSTALLED	REC	RECESSED	TOP	TOP OF PARAPET
— — —	PROPERTY LINE	C.I.P.	CAST IN PLACE	ELEV	ELEVATION	FO	FACE OF	JBOX	JUNCTION BOX			REF	REFERENCE	TOPL	TOP OF PLATE
AB	ANCHOR BOLT	CJ	CONTROL JOINT	ELEC	ELECTRICAL	FOC	FACE OF CONCRETE	JAN	JANITOR CLOSET	OFOI	OWNER-FURNISHED OWNER-INSTALLED	REQ	REQUIRED	TOR	TOP OF RIDGE
ABS	ABSOLUTE	CLG	CEILING	ELEV	ELECTRICAL METAL TUBING	FOF	FACE OF FINISH	LAV	LAVATORY			RM	ROOM	TOS	TOP OF SLAB
AC	ASPHALTIC CONCRETE	CLR	CLEAR	ENCL	ENCLOSURE	FOM	FACE OF MASONRY	LB(S)	POUND(S)	OH	OPPOSITE HAND	RWL	RAIN WATER LEADER	TOW	TOP OF WALL
ACC	ACCESSIBLE	CMU	CONCRETE MASONRY UNIT	ENGR	ENGINEER	FOS	FACE OF STUD	MAX	MAXIMUM	OTO	OUT TO OUT	RO	ROUGH OPENING	TST	TOP OF STEEL
ACOUS	ACOUSTICAL	CONC	CONCRETE	EOS	EDGE OF SLAB	FS	FINISH SURFACE	MB	MACHINE BOLT	PA	PUBLIC ADDRESS	SCHED	SCHEDULE	TV	TELEVISION
ADJ	ADJACENT	CONT	CONTINUOUS	EQ	EQUAL	FT	FOOT OR FEET	MDF	MEDIUM DENSITY FIBERBOARD	PE	PAD ELEVATION	SECT	SECTION	TYP	TYPICAL
AFF	ABOVE FINISH FLOOR	CORR	CORRIDOR	EQPT	EQUIPMENT	FTG	FOOTING	MFR	MANUFACTURER	PERP	PERPENDICULAR	SF	SQUARE FEET	UC	UNERCUT
ALUM	ALUMINIUM	CR	CLASSROOM	EW	EACH WAY	GA	GAUGE	MH	MANHOLE	PH	PANIC HARDWARE	SHT	SHEET	UNO	UNLESS NOTED OTHERWISE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	CTSK	COUNTER SUNK	(E)	EXISTING	GALV	GALVANIZED	MIN	MINIMUM	PL	PLATE	SIM	SIMILAR	VCT	VINYL COMPOSITION TILE
		CTC	CENTER TO CENTER	EXP	ECPANSION	GB	GYPSUM BOARD	MISC	MISCELLANEOUS	PLAM	PLASTIC LAMINATE	SM	SURFACE MOUNTED	V.I.F.	VERIFY IN FIELD
ARCH	ARCHITECTURAL	d	PENNY	EXT	EXTERIOR	GFRC	GLASS FIBER REINFORCED CONCRETE	MO	MASONRY OPENING	PLMB	PLUMBING	SMS	SHEET METAL SCREW	VERT	VERTICAL
BD	BOARD	DBL	DOUBLE	FA	FIRE ALARM			MTL	METAL	PLYWD	PLYWOOD	SOV	SHUT OFF VALVE	W	WIDE FLANGE
BLDG	BUILDING	DEL	DELETE	FD	FLOOR DRAIN	GYP	GYPSUM	(N)	NEW	PM	PARTITION MOUNTED	SPEC	SPECIFICATION	W/	WITH
BLK	BLOCK	DET	DETAIL	FDC	FIRE DEPARTMENT CONNECTION	HB	HOSE BIB	NIC	NOT IN CONTRACT	POC	POINT OF CONNECTION	SST	STAINLESS STEEL	WO	WITHOUT
BLKG	BLOCKING	DF	DRINKING FOUNTAIN	FDN	FOUNDATION	HDWE	HARDWARE	NO	NUMBER	PR	PAIR	STD	STANDARD	WD	WOOD
		DIA	DIAMETER												

WH	WATER HEATER	NOTE: OTHER ABBREVIATIONS USED ON THESE DRAWINGS ARE CONSIDERED STANDARDS IN THE BUILDING INDUSTRY. CONTACT ARCHITECT FOR NECESSARY CLARIFICATION.													
WI	WOODWORK INSTITUTE														
WIN	WINDOW														
WP



ENLARGED FIRE ACCESS - INTERIM VILLAGE | 2 | 1/32" = 1'-0"



FIRE ACCESS SITE PLAN - INTERIM VILLAGE | 1 | 1" = 160'-0"

DSA 810

LOCAL FIRE AUTHORITY REVIEW

To facilitate the Division of the State Architect's (DSA) approval of the Fire/Life Safety portion of a project, DSA requires Local Fire Authority (LFA) review of certain elements as identified in this form. Use of this form is mandatory for projects that add square footage to a campus or if any item on this form is relevant to the project. For additional information, see DSA 810 Instructions and DSA Policy 09-01.

PROJECT INFORMATION

School District/Owner: PALOMAR COLLEGE

Project Name/School: NORTH EDUCATION CENTER

Project Address: 35090 HORSE RANCH CREEK ROAD, FALLBROOK, CA 92028

LOCAL FIRE AUTHORITY (LFA)

LFA Agency Name:

LFA Reviewer Name: | Title:

Email: | Telephone Number:

I have reviewed and responded to the applicable items for this project as listed below.

***Note:** Only sign this form when it is imaged onto the site plan. A loose form is not acceptable to DSA.*

LFA Reviewer's Signature: **Date:**

Review Key: **"Y"** = Complies with LFA requirements **"N"** = Not approved (complete Section 8) **"NA"** = Not applicable to the project **"NR"** = LFA elects not to review

	Description	Y	N	NA	NR
1	Where an elevator does not meet medical emergency service cab size, per the California Building Code (CBC), use of stairways for emergency rescue and patient transport is acceptable.				
2	Access roads, fire lane markings, pavers and gate entrances are in accordance with Title 19, California Code of Regulations and the California Fire Code, Chapter 5.				
3	Fire hydrant location and distribution complies with the California Fire Code (or see # 4).				
4	Fire hydrant location and distribution complies with NFPA 1142, "Alternate Means." If "NR" is checked, DSA can only approve on-site water storage as an alternate. The signature of the school district official is required to acknowledge the use of alternate means.				
	Signature of School District Official: **Date:** **Print the School District Official's Name:**				
5	The location(s) of the proposed post indicator valve and fire department connection meet the requirements of this jurisdiction.				
6	The location(s) of the detector check valve assembly meet the requirements of this jurisdiction.				
7	Is the project located in a hazard severity zone area? (CBC, Chapter 7A, Section 701A.) ☐ Yes ☐ No Check type if "Yes": ☐ Moderate ☐ High ☐ Very High ☐ WIFA (If one of these boxes is checked, the project design must meet the requirements of Chapter 7A.)				
8	COMMENTS (note deficiencies):				

DSA 810 (rev 05-12-14) | DIVISION OF THE STATE ARCHITECT | DEPARTMENT OF GENERAL SERVICES | Page 1 of 1 | STATE OF CALIFORNIA

FIRE FLOW TEST CONDUCTED 7/10/2017

RESULTS:

STATIC PRESSURE: 132 PSI
RESIDUAL PRESSURE: 119 PSI
PITOT READING: 100 PSI
ORIFICE SIZE: 2 1/2" LPD 250
FLOW: 1520 GPM
FLOW CALCULATED AT 20 PSI (RES): 4856 GPM

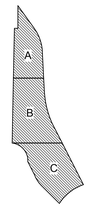
HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

SM

LEGEND

FIRE ACCESS LANE

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116580
ACS_____ FLS_____ SSS_____
DATE _____

Project Title

PALOMAR COLLEGE Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE II	10/06/2017

Drawing Title:

LOCAL FIRE AUTHORITY ACCESS SITE PLAN

Architect's Seal

LICENSED ARCHITECT BRIAN C. LEE NO. C-32437 REN. 02-28-19 STATE OF CALIFORNIA

Designed:	BL	Project No.	5015019-102
Drawn:	AC, MB	Scale:	As indicated
QAQC	SC	Drawing No.	G1.10.2
Date:	10/06/2017		

C:\Revit Local Files\5015019_A17_Central_acontreras.rvt

10/5/2017 5:39:37 PM

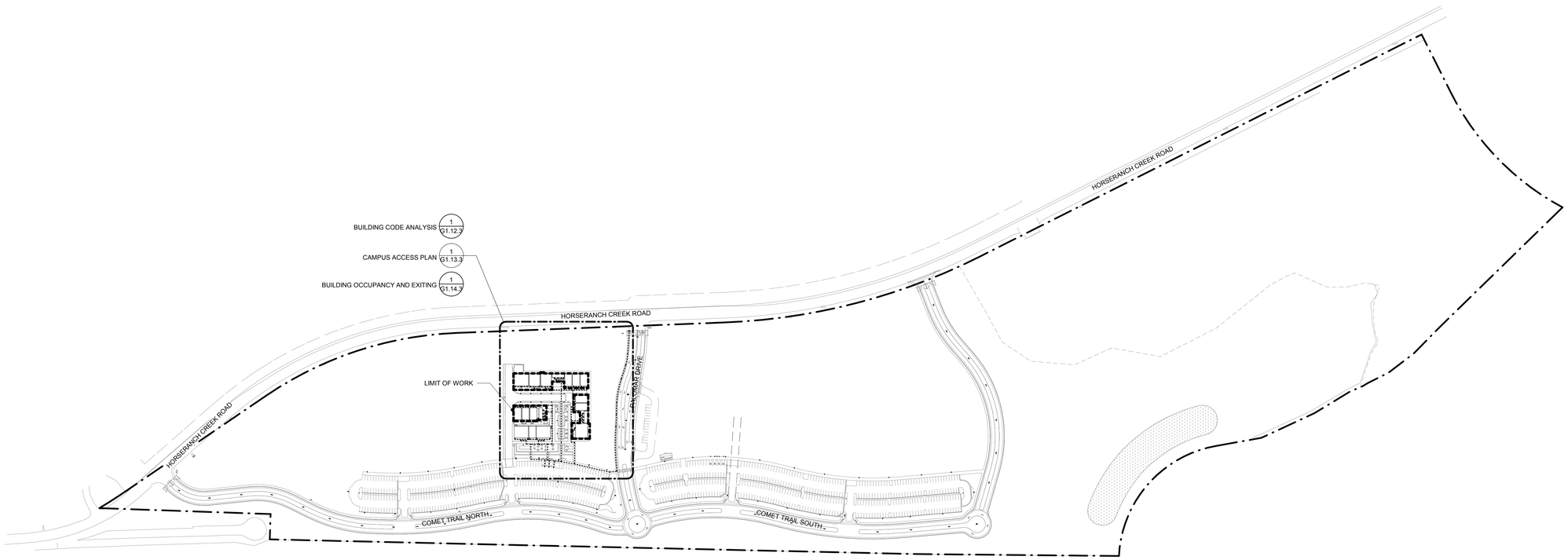
PLEASE RECYCLE

DSA SUBMITTAL

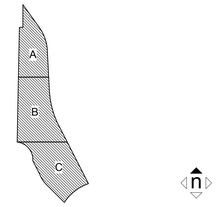
HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

KEYNOTES

NOTES



Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APPL. 04-116581

ACS_____ FLS_____ SSS_____

DATE _____

Project Title

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/06/2017

Drawing Title:

CAMPUS PLAN

Architect's Seal

LICENSED ARCHITECT
BRADLEY L. CLARK
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed:	BL	Project No.	5015019-102
Drawn:	AC, MB	Scale:	1" = 160'-0"
QAQC	SC	Drawing No.	G1.11.3
Date:	10/06/2017		

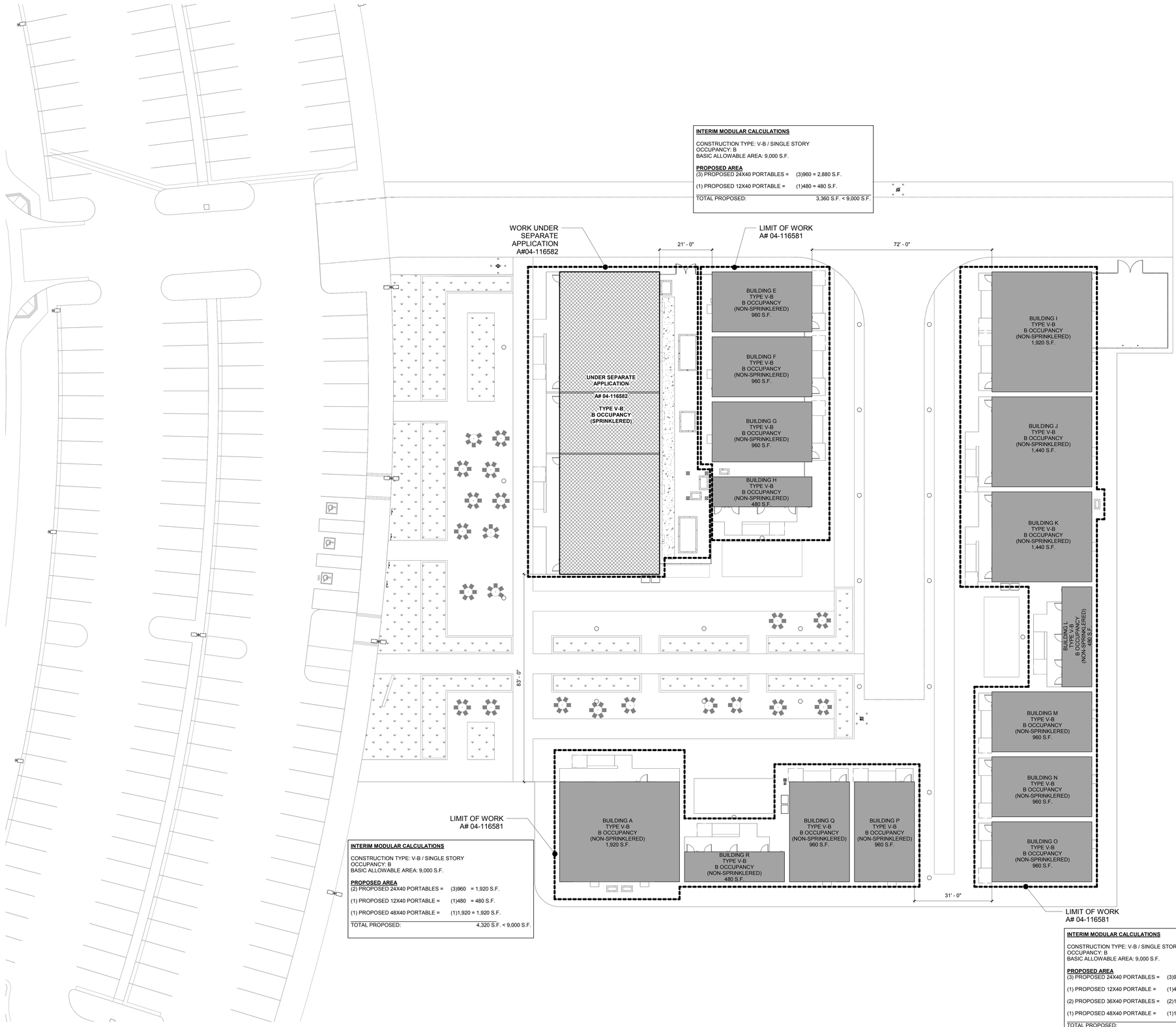
CAMPUS PLAN | 1
1" = 160'-0"

C:\Revit Local Files\5015019_A17_Central_aconteras.rvt

10/5/2017 5:39:39 PM

PLEASE RECYCLE

DSA SUBMITTAL



INTERIM MODULAR CALCULATIONS

CONSTRUCTION TYPE: V-B / SINGLE STORY
OCCUPANCY: B
BASIC ALLOWABLE AREA: 9,000 S.F.

PROPOSED AREA

(3) PROPOSED 24X40 PORTABLES =	(3)960	= 2,880 S.F.
(1) PROPOSED 12X40 PORTABLE =	(1)480	= 480 S.F.
TOTAL PROPOSED:		3,360 S.F. < 9,000 S.F.

INTERIM MODULAR CALCULATIONS

CONSTRUCTION TYPE: V-B / SINGLE STORY
OCCUPANCY: B
BASIC ALLOWABLE AREA: 9,000 S.F.

PROPOSED AREA

(2) PROPOSED 24X40 PORTABLES =	(3)960	= 1,920 S.F.
(1) PROPOSED 12X40 PORTABLE =	(1)480	= 480 S.F.
(1) PROPOSED 48X40 PORTABLE =	(1)1,920	= 1,920 S.F.
TOTAL PROPOSED:		4,320 S.F. < 9,000 S.F.

INTERIM MODULAR CALCULATIONS

CONSTRUCTION TYPE: V-B / SINGLE STORY
OCCUPANCY: B
BASIC ALLOWABLE AREA: 9,000 S.F.

PROPOSED AREA

(3) PROPOSED 24X40 PORTABLES =	(3)960	= 2,880 S.F.
(1) PROPOSED 12X40 PORTABLE =	(1)480	= 480 S.F.
(2) PROPOSED 36X40 PORTABLES =	(2)1,440	= 2,880 S.F.
(1) PROPOSED 48X40 PORTABLE =	(1)1,920	= 1,920 S.F.
TOTAL PROPOSED:		8,160 S.F. < 9,000 S.F.

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

KEYNOTES

LEGEND

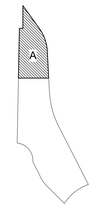
LIMIT OF WORK

SCOPE SHOWN IS IN A# 04-116582, NOT IN THIS CONTRACT

NOTES

1. REFER TO MODULAR DRAWINGS SHEET A-0 FOR FURTHER BUILDING INFORMATION.

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS_____ FLS_____ SSS_____
DATE _____

Project Title

Palomar North Education Center - Interim Village
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/06/2017

Drawing Title:
CODE ANALYSIS

Architect's Seal

LICENSED ARCHITECT STEVEN E. GLASSMAN RENEWAL 02-28-19 STATE OF CALIFORNIA NO. C-32437

Designed:	BL	Project No.	5015019-102
Drawn:	AC, MB	Scale:	As indicated
QAQC	SC	Drawing No.	G1.12.3
Date:	10/06/2017		

CODE ANALYSIS | 1 | 1/16" = 1'-0"

C:\Revit Local Files\5015019_A17_Central_acontreras.rvt

10/9/2017 4:31:11 PM

PLEASE RECYCLE

DSA SUBMITTAL

KEYNOTES

NO.	Note - Detail
22.07	DRINKING FOUNTAIN - 16/A10.02

LEGEND

PATH OF TRAVEL
ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAX. SLOPE, OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAX, AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5%, UNLESS OTHERWISE INDICATED. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM, AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80". ARCHITECTS SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.

LIMIT OF WORK

SCOPE SHOWN, NOT IN THIS CONTRACT

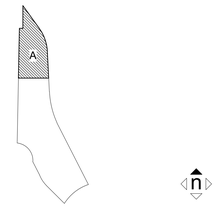
NOTES

1. **DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:** THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS, AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS, OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT WITH THE CBC HAVE BEEN IDENTIFIES AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS, AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS, OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIPARE INDICATED IN THESE CONSTRUCTION DOCUMENTS.

   DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

2. REFER TO CIVIL DRAWINGS UNDER APPLICATION A# 04-116580 FOR GRADING PLANS AND ELEVATIONS

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS. FLS. SSS.
DATE

Project Title

PALOMAR COLLEGE Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/06/2017

Drawing Title:

CAMPUS ACCESS PLAN

Architect's Seal

LICENSED ARCHITECT — CRAIG S. CLAUSSEN — NO. C-32437 — REN. 02-28-19 — STATE OF CALIFORNIA

Designed: BL	Project No. 5015019-102
Drawn: AC, MB	Scale: As indicated
QAQC SC	Drawing No. G1.13.3
Date: 10/06/2017	

ENLARGED SITE PLAN - CAMPUS ACCESS PLAN | 1 | 1/16" = 1'-0"

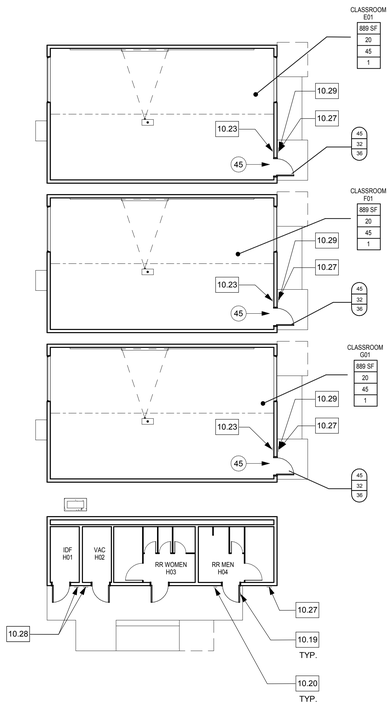
DSA SUBMITTAL

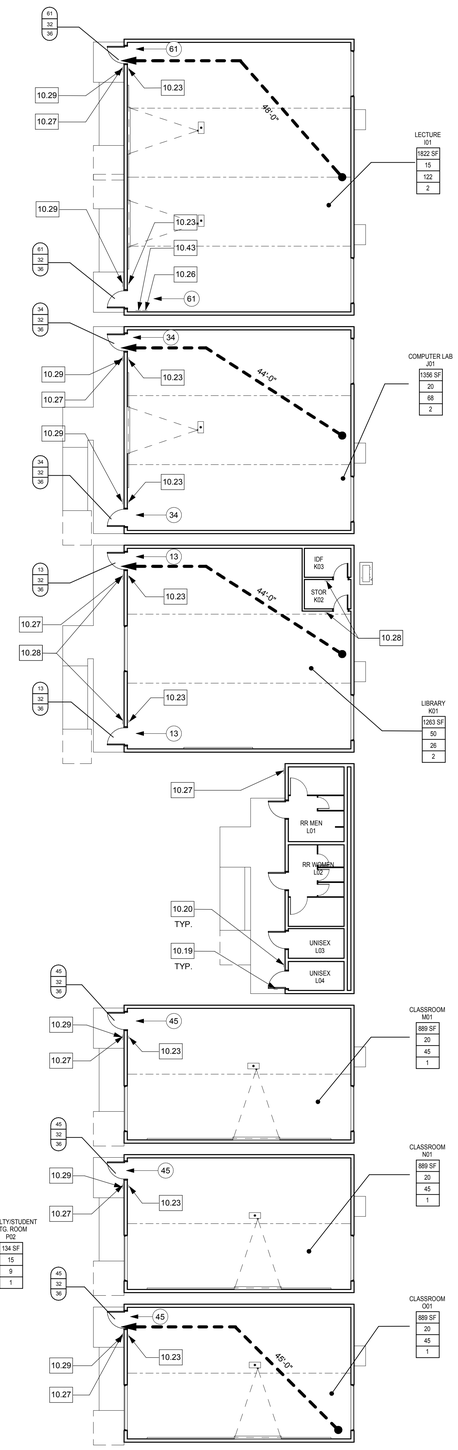
PLEASE RECYCLE

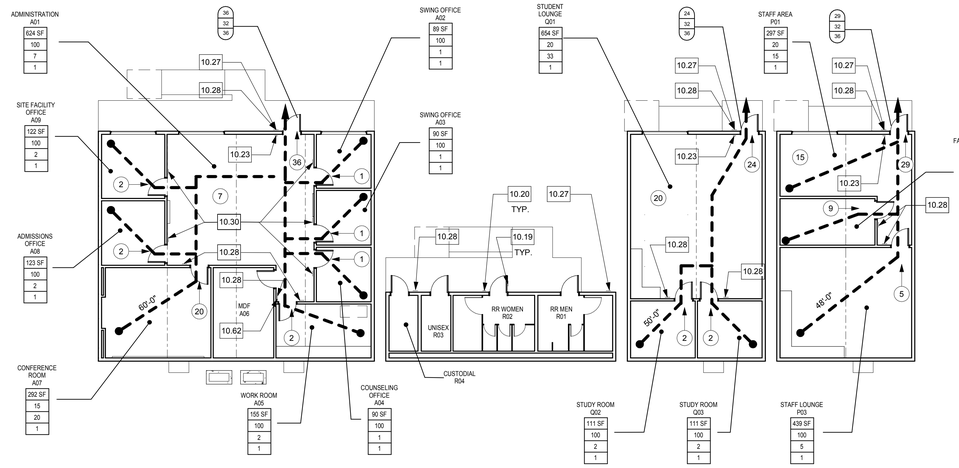
C:\Revit Local Files\5015019_A17_Central_acontreras.rvt

10/5/2017 5:39:44 PM

TABLE 1004.1.2 Maximum Floor Area Allowances Per Occupant		
Use Description	Occupant Load Factor	Gross/ Net
0 No Classification Applies	0	N/A
1 Accessory storage areas, mechanical equipment room	300	gross
2 Agricultural building	300	gross
3 Aircraft Hangers	500	gross
4 Airport terminal, Baggage claim	20	gross
4 Airport terminal, Baggage handling	300	gross
4 Airport terminal, Concourse	100	gross
4 Airport terminal, Waiting Areas	15	gross
5 Assembly, Gaming floors	11	gross
6 Assembly with fixed seats	1	PER SEAT
7 Assembly without fixed seats, Concentrated (chairs only- not fixed)	7	net
7 Assembly without fixed seats, Standing Space	5	net
7 Assembly without fixed seats, Unconcentrated (tables and chairs)	15	net
8 Bowling centers, additional areas	7	net
8 Bowling centers, per lane	5	EACH
9 Business area	100	gross
10 Courtrooms - other than fixed seating	40	net
11 Day care	35	net
12 Dormitories	50	gross
13 Educational, Classroom area	20	net
13 Educational, Shops and other vocational room areas	50	net
14 Exercise rooms	50	gross
15 H-5 Fabrication and manufacturing areas	200	gross
16 Industrial areas	100	gross
17 Institutional areas, Inpatient treatment areas	240	gross
17 Institutional areas, Outpatient areas	100	gross
17 Institutional areas, Sleeping areas	120	gross
18 Kitchens, commercial	200	gross
19 Library, Reading rooms	50	net
19 Library, Stack areas	100	gross
20 Locker rooms	50	gross
21 Mercantile, Areas on other floors	60	gross
21 Mercantile, Basement and grade floor areas	30	gross
21 Mercantile, Storage, stock, shipping areas	300	gross
22 Parking garages	200	gross
23 Residential	200	gross
24 Skating rinks and swimming pools, Decks	50	gross
24 Skating rinks and swimming pools, Rink and pool	15	gross
25 Stages and platforms	15	net
26 Warehouses	500	gross







HMC Architects

3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

KEYNOTES

NO.	Note - Detail
10.19	RESTROOM DOOR SIGN - REFER TO MODULAR DRAWINGS, TYP. ALL RESTROOMS
10.20	RESTROOM WALL SIGN - REFER TO MODULAR DRAWINGS, TYP. ALL RESTROOMS
10.23	TACTILE EXIT SIGN - EXIT- 13/A10.21
10.26	OCCUPANT LOAD SIGN - 12/A10.21
10.27	BUILDING IDENTIFICATION SIGNAGE - 14/A10.21
10.28	ROOM SIGN - 7/A10.21
10.29	CLASSROOM SIGN - 8/A10.21
10.30	OFFICE SIGN - 9/A10.21
10.43	ASSISTIVE LISTENING SYSTEM SIGN - 17/A10.21
10.62	FIRE ALARM CONTROL PANEL SIGN - 16/A10.21

NOTES

1. **DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:** THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS, AND STRUCTURAL REPAIRS, AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS, OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT WITH THE CBC HAVE BEEN IDENTIFIES AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS, AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS, OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIPARE INDICATED IN THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC, COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

2. REFER TO CIVIL DRAWINGS UNDER APPLICATION A# 04-116580 FOR GRADING PLANS AND ELEVATIONS

LEGEND

ROOM EXITING INFORMATION

- ROOM NAME
- ROOM NUMBER
- ROOM AREA
- OCCUPANT LOAD FACTOR (REFER TO CBC TABLE 1004.1.2)
- OCCUPANT LOAD
- # OF EXITS REQUIRED

DOOR EXITING INFORMATION

- # OF OCCUPANTS SERVED
- REQUIRED EXITING WIDTH (32" MIN)
- PROVIDED EXITING WIDTH
- PANIC HARDWARE PROVIDED

EXITING TAG

- # OF OCCUPANTS EXITING ALONG EGRESS PATH
- DIRECTION OF TRAVEL

PATH OF TRAVEL
ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAX. SLOPE, OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAX. AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5%, UNLESS OTHERWISE INDICATED. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM, AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80". ARCHITECTS SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.

Consultant Seal

Agency Approval — FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS_____ FLS_____ SSS_____
DATE _____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/06/2017

Drawing Title:
OCCUPANCY AND EXITING ANALYSIS

Architect's Seal

LICENSED ARCHITECT — BRIAN LEE FLANNERY — NO. C-32437 — REN. 02-28-19 — STATE OF CALIFORNIA

Designed: BL	Project No. 5015019-102
Drawn: AC, MB	Scale: As indicated
QAQC SC	Drawing No. G1.14.3
Date: 10/06/2017	

ENLARGED SITE PLAN - OCCUPANCY & EXITING ANALYSIS — 1 — 3/32" = 1'-0"

C:\Revit Local Files\5015019_A17_Central_aconteras.rvt

10/5/2017 5:39:46 PM

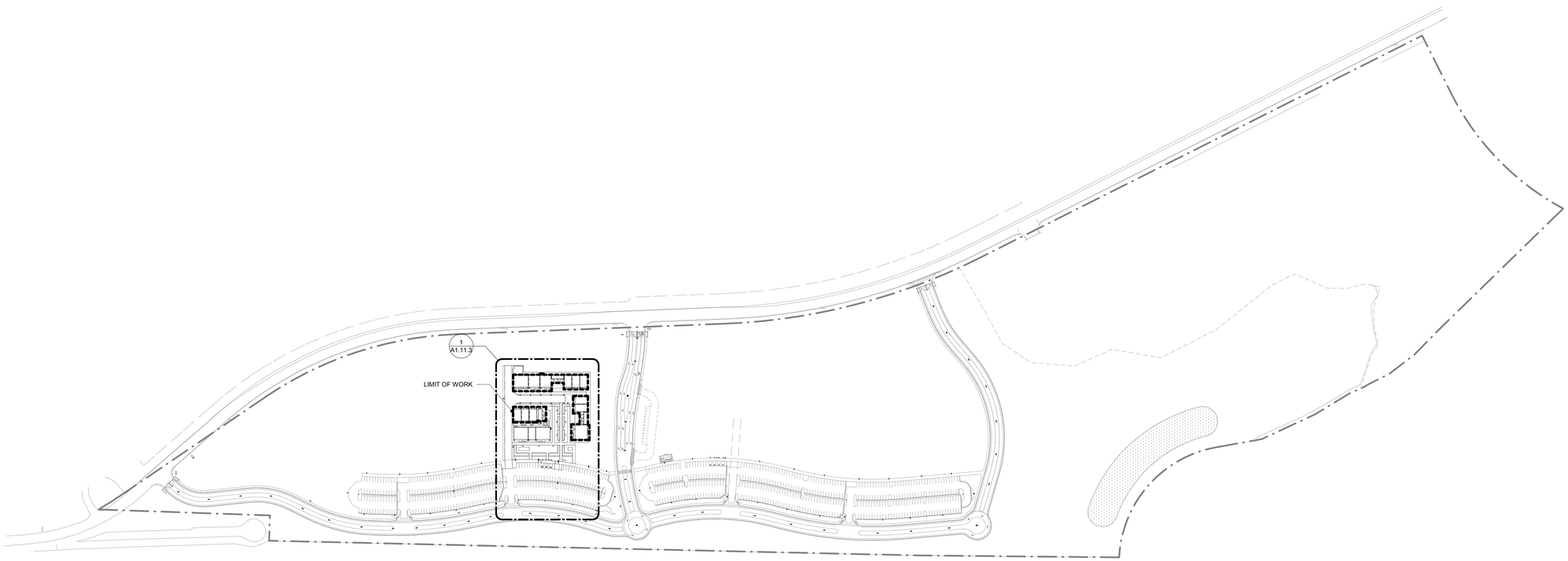
PLEASE RECYCLE

DSA SUBMITTAL

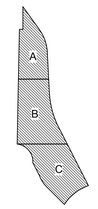
HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

KEYNOTES

NOTES



Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APPL. 04-116581

ACS_____ FLS_____ SSS_____

DATE _____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/06/2017

Drawing Title:

OVERALL CAMPUS PLAN

CAMPUS PLAN | 1
1" = 160'-0"

Architect's Seal

LICENSED ARCHITECT
BRIAN LEE CLARK
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

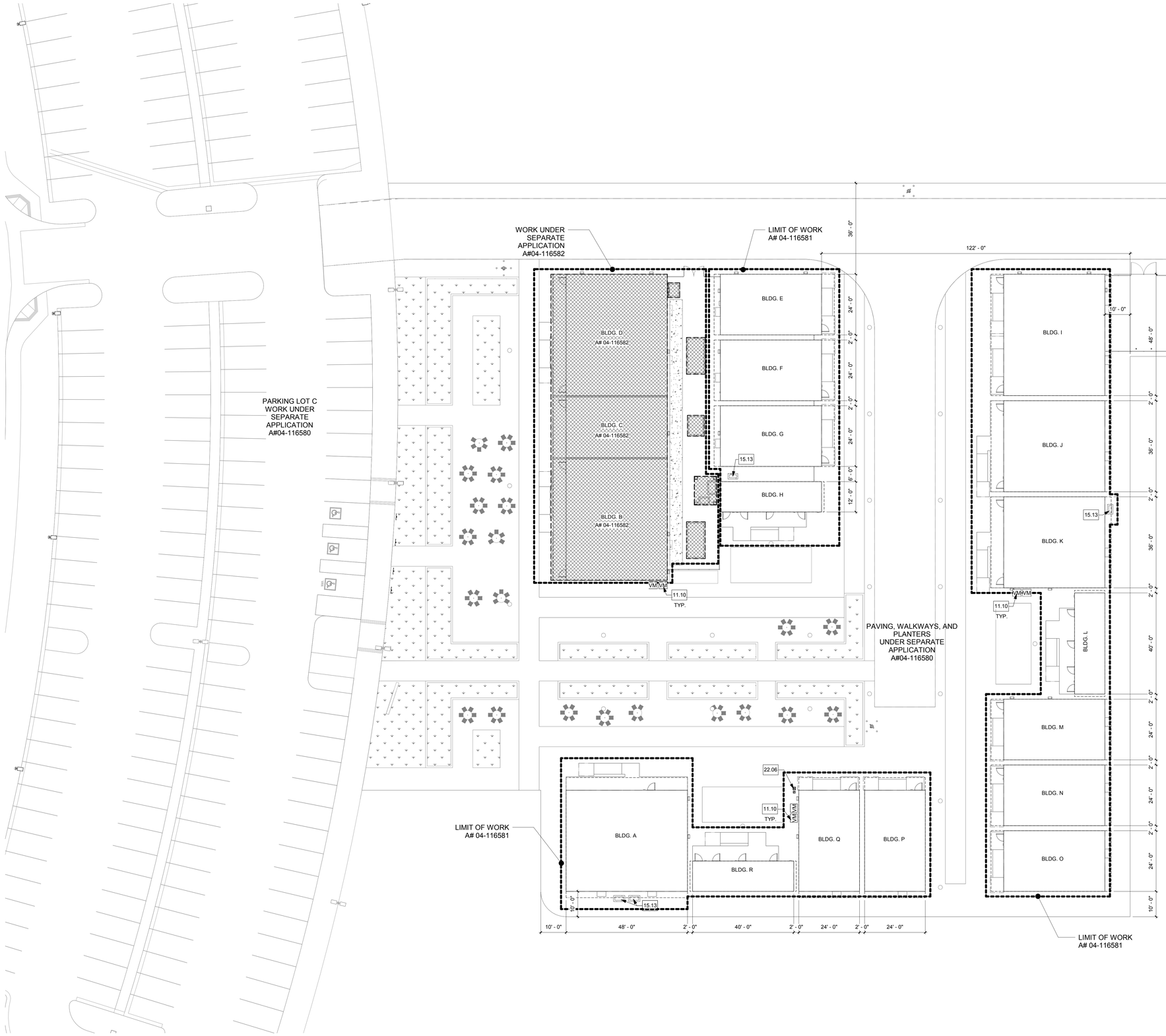
Designed: BL	Project No. 5015019-102
Drawn: AC, MB	Scale: 1" = 160'-0"
QAQC SC	Drawing No. A1.10.3
Date: 10/06/2017	

C:\Revit Local Files\5015019_A17_Central_aconfreras.rvt

10/5/2017 5:39:28 PM

PLEASE RECYCLE

DSA SUBMITTAL



KEYNOTES

NO.	Note - Detail
11.10	VENDING MACHINE - OFOI
15.13	CONDENSING UNIT, REFER TO MECHANICAL DWGS FOR MORE INFORMATION - 4/A10.41
22.06	DRINKING FOUNTAIN PER A# 04-116580

LEGEND

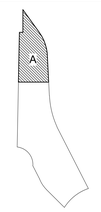
LIMIT OF WORK

SCOPE SHOWN IS IN A# 04-116582, NOT IN THIS CONTRACT

NOTES

1. REFER TO CIVIL DRAWINGS UNDER APPLICATION A# 04-116580 FOR GRADING PLANS AND ELEVATIONS

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS_____ FLS_____ SSS_____
DATE _____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/06/2017

Drawing Title:

ENLARGED SITE PLAN

Architect's Seal

REGISTERED ARCHITECT
BRIAN E. CLARK
NO. C-32437
EXP. REN. 02-28-19
STATE OF CALIFORNIA

Designed: BL	Project No. 5015019-102
Drawn: AC, MB	Scale: As indicated
QAQC SC	Drawing No. A1.11.3
Date 10/06/2017	

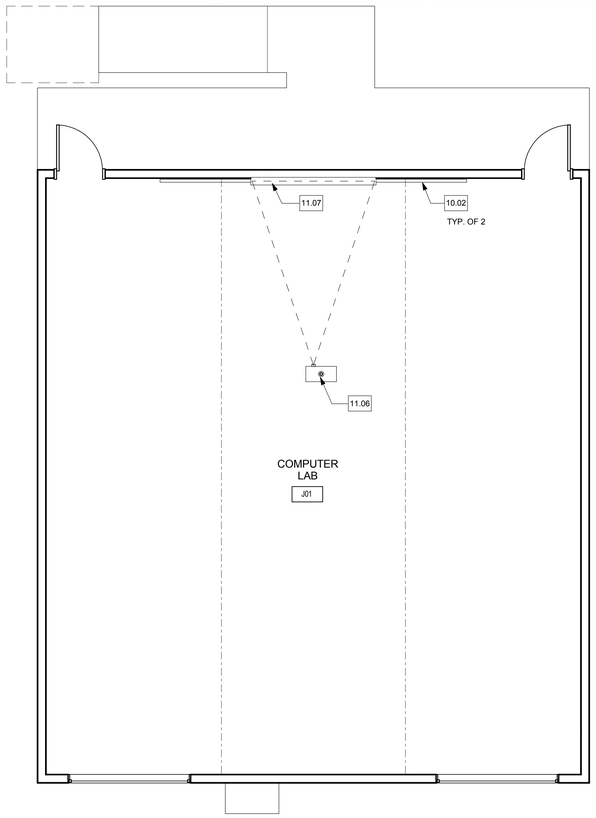
ENLARGED SITE PLAN | 1 | 1/16" = 1'-0"

DSA SUBMITTAL

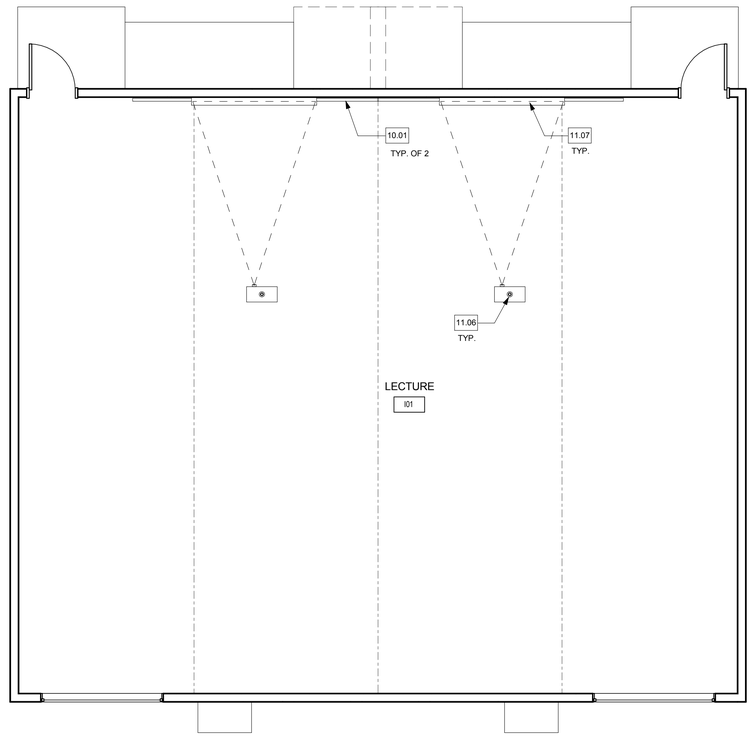
PLEASE RECYCLE

10/5/2017 5:39:31 PM

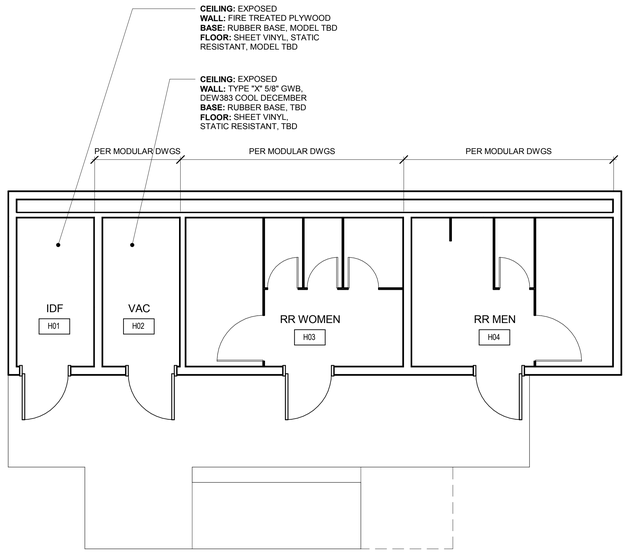
C:\Revit Local Files\5015019_A17_Central_acontreras.rvt



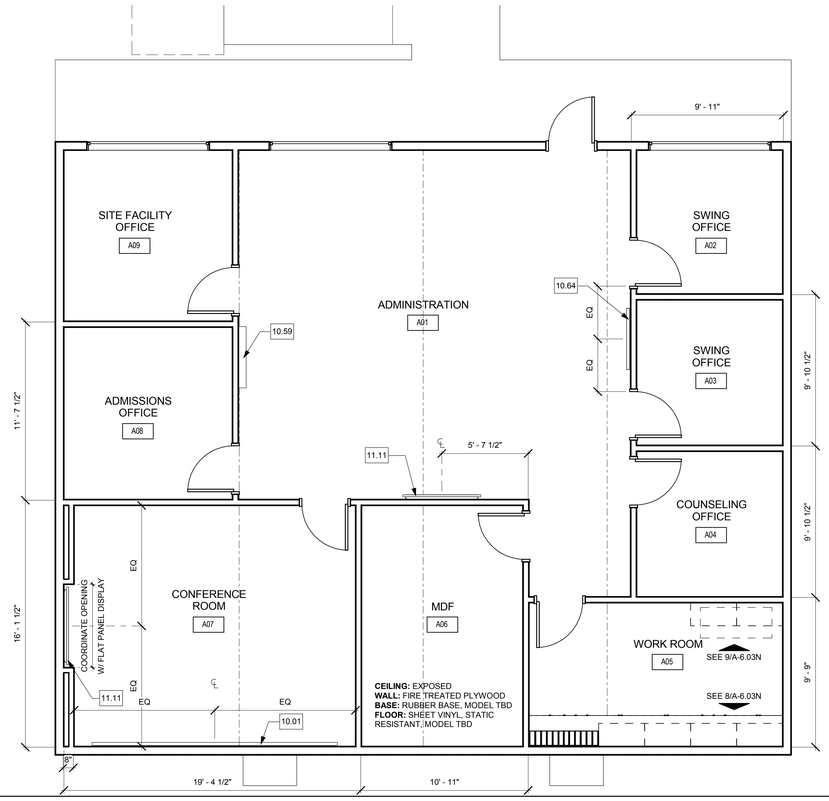
BLDG. J FLOOR PLAN | 4 | 1/4" = 1'-0"



BLDG. I FLOOR PLAN | 2 | 1/4" = 1'-0"



BLDG. H FLOOR PLAN | 3 | 1/4" = 1'-0"



BLDG. A FLOOR PLAN | 1 | 1/4" = 1'-0"

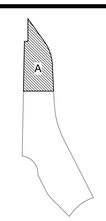
HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

KEYNOTES

NO.	Note - Detail
10.01	MARKERBOARD - 4'-0" X 16'-0" - 3'-0" AFF - 14/A-5.80
10.02	MARKERBOARD - 4'-0" X 10'-0" - 3'-0" AFF - 14/A-5.80
10.59	LITERATURE RACK, OFOI
10.64	TACKBOARD - 4'-0" X 4'-0" - 3'-0" AFF - 14/A-5.80 SIM
11.06	CEILING MOUNTED PROJECTOR, OFOI - 3/A10.41
11.07	MANUAL PROJECTION SCREEN
11.11	WALL MOUNTED FLAT PANEL DISPLAY - 1/A10.41

NOTES

Key Plan



Consultant Seal

Agency Approval — FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS____ FLS____ SSS____
DATE ____

Project Title

PALOMAR COLLEGE Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/06/2017

Drawing Title:
FLOOR PLANS

Architect's Seal

LICENSED ARCHITECT — CHRISTOPHER A. GRAHAM — NO. C-32437 — REN. 02-28-19 — STATE OF CALIFORNIA

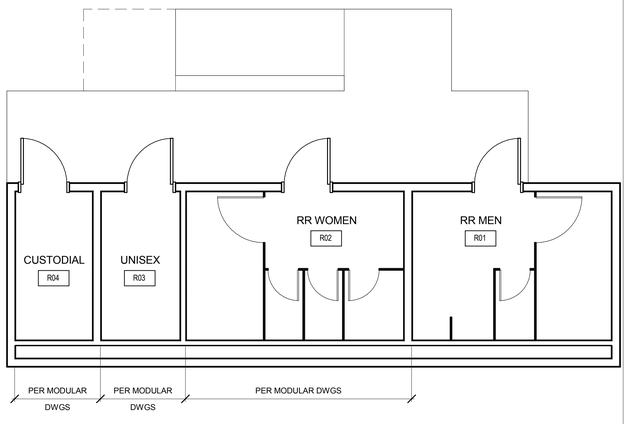
Designed:	BL	Project No.	5015019-102
Drawn:	AC, MB	Scale:	1/4" = 1'-0"
QAQC	SC	Drawing No.	A2.11.3
Date:	10/06/2017		

C:\Revit Local Files\5015019_A17_Central_acontreras.rvt

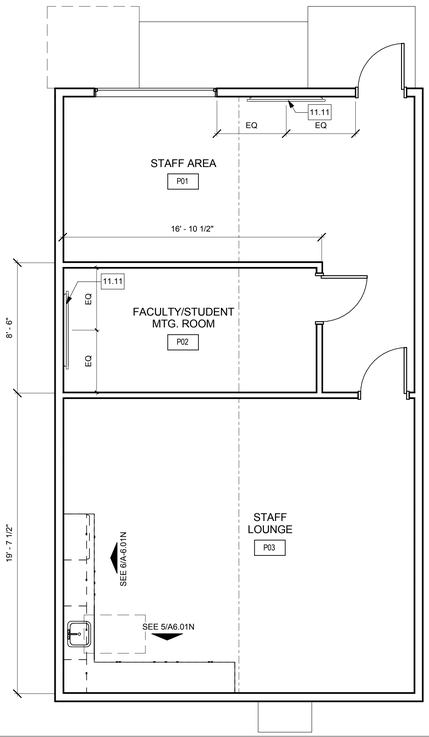
10/5/2017 5:39:32 PM

PLEASE RECYCLE

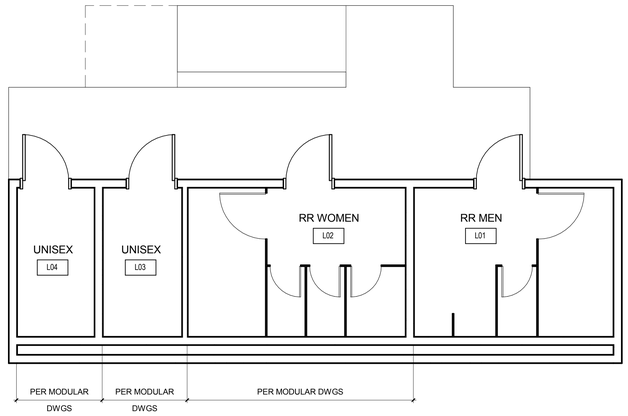
DSA SUBMITTAL



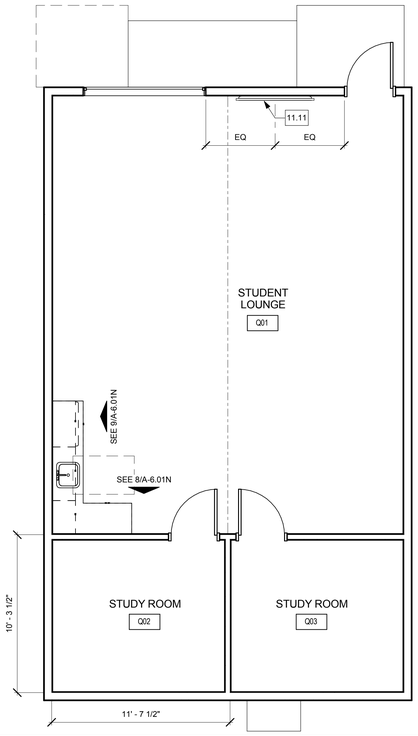
BLDG. R FLOOR PLAN 6
1/4" = 1'-0"



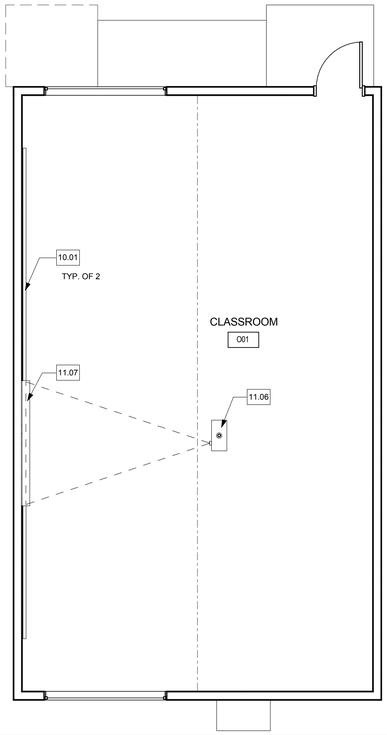
BLDG. P FLOOR PLAN 4
1/4" = 1'-0"



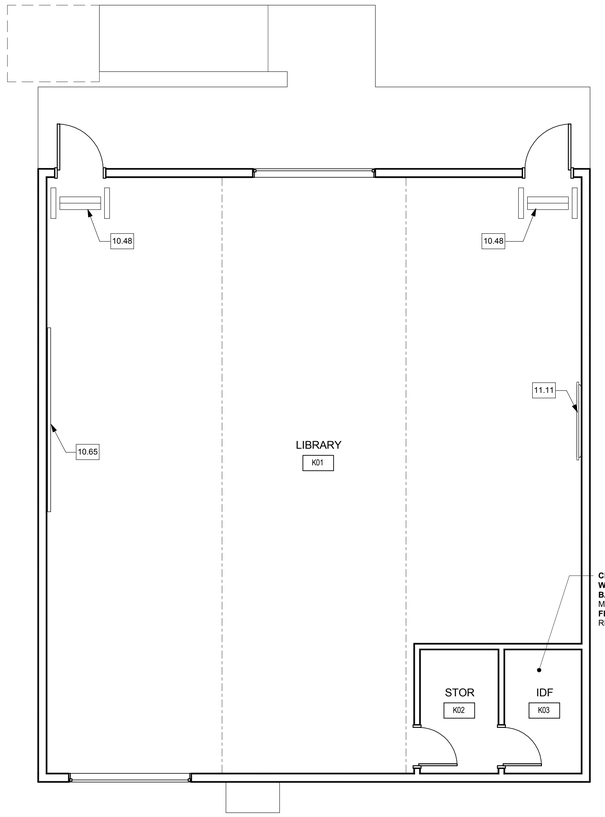
BLDG.L FLOOR PLAN 2
1/4" = 1'-0"



BLDG. Q FLOOR PLAN 5
1/4" = 1'-0"



TYPICAL CLASSROOM 3
1/4" = 1'-0"



CEILING: EXPOSED
WALL: FIRE TREATED PLYWOOD
BASE: RUBBER BASE, MODEL TBD
FLOOR: SHEET VINYL, STATIC RESISTANT, MODEL TBD

BLDG. K FLOOR PLAN 1
1/4" = 1'-0"

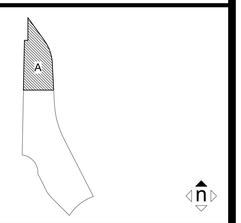
HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

KEYNOTES

NO.	Note - Detail
10.01	MARKERBOARD - 4'-0" X 16'-0" - 3'-0" AFF - 14/A-5.80
10.48	BOOK SECURITY PROTECTION SYSTEM - OFCI
10.65	TACKBOARD - 4'-0" X 12'-0" - 14/A-5.80 SIM
11.06	CEILING MOUNTED PROJECTOR, OFOI - 3/A10.41
11.07	MANUAL PROJECTION SCREEN
11.11	WALL MOUNTED FLAT PANEL DISPLAY - 1/A10.41

NOTES

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS____ FLS____ SSS____
DATE____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/06/2017

Drawing Title:
FLOOR PLANS

Architect's Seal

LICENSED ARCHITECT
BRIAN LEE CLARK
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed: BL	Project No. 5015019-102
Drawn: AC, MB	Scale: 1/4" = 1'-0"
QAQC SC	Drawing No. A2.12.3
Date 10/06/2017	

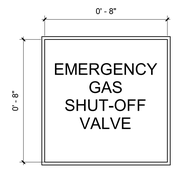
C:\Revit Local Files\5015019_A17_Central_aconreras.rvt

10/5/2017 5:39:33 PM

PLEASE RECYCLE

DSA SUBMITTAL

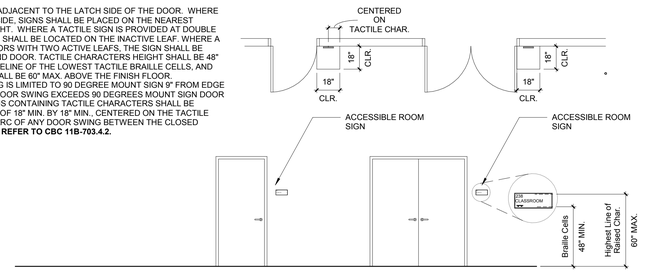
NOTE:
1. TO BE POSTED WHERE GAS SHUT OFF IS LOCATED PER MECH/PLUMB PLANS
2. LOCATE PER DETAIL 5/A10.21
3. FOR GENERAL REQUIREMENTS REFER TO 1/A10.21



10.030

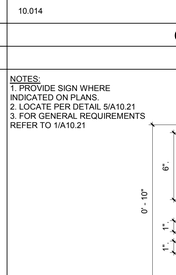
GAS SHUT-OFF SIGNAGE — 15 — N.T.S.

NOTES:
1.
SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PREFERABLY ON THE RIGHT. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONCE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR. TACTILE CHARACTERS HEIGHT SHALL BE 48" MIN. ABOVE THE FINISH FLOOR TO THE BASELINE OF THE LOWEST TACTILE BRAILLE CELLS, AND HIGHEST LINE OF RAISED CHARACTERS SHALL BE 60" MAX. ABOVE THE FINISH FLOOR.
FOR PAIRS OF DOORS WHERE DOOR SWING IS LIMITED TO 90 DEGREE MOUNT SIGN 9" FROM EDGE OF DOOR. FOR PAIRS OF DOORS WHERE DOOR SWING EXCEEDS 90 DEGREES MOUNT SIGN DOOR WIDTH PLUS 9" FROM EDGE OF DOOR. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18" MIN. BY 18" MIN., CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION. **REFER TO CBC 11B-703.4.2.**
2.
RESTROOM GEOMETRIC SIGNS SHALL BE INSTALLED CENTERED ON THE DOOR. MOUNTING HEIGHT SHALL BE 60" ABOVE THE FINISH FLOOR TO THE CENTERLINE OF THE SIGN. THE COLOR AND CONTRAST OF THE SIGN SHALL BE DISTINCTLY DIFFERENT FROM THE COLOR AND CONTRAST OF THE DOOR.
3.
SEE 2 / A10.21 FOR SIGNAGE ON GLAZING



10.005

DOOR SIGNAGE LOCATIONS — 5 — 1/4" = 1'-0"



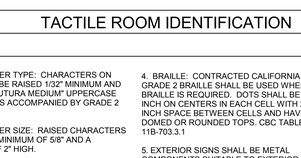
NOTES:
1. EXTERIOR APPLICATION, EXACT LETTERS AND LOCATIONS TO BE DETERMINED BY OWNER
2. DIMENSIONAL LETTER THICKNESS AND SPACING TO BE DETERMINED
3. PROVIDE BACKING AT ALL LETTER MOUNTS

10.001

PIN-MOUNTED DIMENSIONAL LETTER — 14 — 1/2" = 1'-0"

NOTES:

1. PROVIDE SIGN WHERE INDICATED ON PLANS. ALL SIGNED DOORS TO RECEIVE BRAILLE ROOM IDENTIFICATION PER 1/A10.21
2. WHERE SIGNAGE IS INSTALLED ON GLASS PROVIDE BLANK SIGNAGE ON OPPOSITE SIDE BEING EQUAL SIZE AND COLOR TO MASK ADHESIVE, SEE 2/A10.21
3. LOCATE PER DETAIL 5/A10.21
4. FOR BRAILLE NOTES/GENERAL REQUIREMENTS REFER TO 1/A10.21

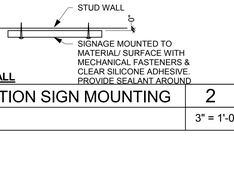


10.016

OFFICE SIGNAGE — 9 — N.T.S.

NOTES:
1. WHERE SIGNAGE IS INSTALLED ON GLASS PROVIDE BLANK SIGNAGE ON OPPOSITE SIDE BEING EQUAL SIZE AND COLOR TO MASK ADHESIVE.

2. ALL BLDG. ENTRANCES THAT ARE ACCESSIBLE TO & USABLE BY PHYSICALLY DISABLED PERSONS SHALL BE IDENTIFIED WITH AT LEAST ONE STANDARD SIGN & ADDITIONAL DIRECTIONAL SIGNS AS REQUIRED TO BE VISIBLE TO PERSONS ALONE APPROACHING PEDESTRIAN WAYS.



10.004

ACCESSIBILITY SIGN — 4 — 3" = 1'-0"

NOTES:
1. TO BE POSTED WHERE FIRE ALARM CONTROL PANEL IS LOCATED PER PLAN
2. LOCATE PER DETAIL 5/A10.21

10.029

FIRE ALARM SIGNAGE — 16 — N.T.S.

NOTES:
1. PROVIDE SIGN WHERE INDICATED ON PLANS.
2. LOCATE PER DETAIL 5/A10.21
3. FOR BRAILLE NOTES/GENERAL REQUIREMENTS REFER TO 1/A10.21

10.019

TACTILE EXIT SIGNAGE — 13 — N.T.S.

NOTES:

1. PROVIDE SIGN WHERE INDICATED ON PLANS. ALL SIGNED DOORS TO RECEIVE BRAILLE ROOM IDENTIFICATION PER 1/A10.21
2. WHERE SIGNAGE IS INSTALLED ON GLASS PROVIDE BLANK SIGNAGE ON OPPOSITE SIDE BEING EQUAL SIZE AND COLOR TO MASK ADHESIVE, SEE 2/A10.21
3. LOCATE PER DETAIL 5/A10.21
4. FOR BRAILLE NOTES/GENERAL REQUIREMENTS REFER TO 1/A10.21

10.015

CLASSROOM SIGNAGE — 8 — N.T.S.

NOTES:

1.GRID LINES ARE SHOWN FOR PROPORTION ONLY AND ARE NOT TO APPEAR AS PART OF SYMBOL.

2. SIGNAGE SHALL COMPLY WITH SECTION 11B-703.7 CALIFORNIA BUILDING CODE.

10.003

ACCESSIBILITY SYMBOL — 3 — N.T.S.

NOTES:
1. PROVIDE SIGN WHERE INDICATED ON PLANS.
2. LOCATE PER DETAIL 5/A10.21
3. FOR GENERAL REQUIREMENTS REFER TO 1/A10.21

10.014

OCCUPANT LOAD SIGN — 12 — N.T.S.

NOTES:

1. PROVIDE SIGN WHERE INDICATED ON PLANS. ALL SIGNED DOORS TO RECEIVE BRAILLE ROOM IDENTIFICATION PER 1/A10.21
2. WHERE SIGNAGE IS INSTALLED ON GLASS PROVIDE BLANK SIGNAGE ON OPPOSITE SIDE BEING EQUAL SIZE AND COLOR TO MASK ADHESIVE, SEE 2/A10.21
3. LOCATE PER DETAIL 5/A10.21
4. FOR BRAILLE NOTES/GENERAL REQUIREMENTS REFER TO 1/A10.21

10.012

TACTILE ROOM IDENTIFICATION — 7 — N.T.S.

10.103

ROOM IDENTIFICATION SIGN MOUNTING — 2 — 3" = 1'-0"

NOTES:
1. FOR SYSTEM LOCATION, SEE AV DRAWINGS.
2. SIGNAGE SHALL COMPLY WITH SECTION IIB-703.7 CALIFORNIA BUILDING CODE
3. LOCATE PER DETAIL 5/A10.21
4. FOR GENERAL REQUIREMENTS, SEE DETAIL 1/A10.21

10.013

ASSISTED LISTENING SYSTEM SIGN — 17 — N.T.S.

NOTES:
1. PROVIDE SIGN WHERE INDICATED ON PLANS.
2. LOCATE PER DETAIL 5/A10.21
3. FOR GENERAL REQUIREMENTS REFER TO 1/A10.21

10.017

ACCESSIBILITY INFORMATION SIGN — 11 — 3" = 1'-0"

NOTES:
1. CHARACTER TYPE: CHARACTERS ON SIGN SHALL BE RAISED 1/32" MINIMUM AND SHALL BE "FUTURA MEDIUM" UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE.

2. CHARACTER SIZE: RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8" AND A MAXIMUM OF 2" HIGH.

3. FINISH AND CONTRAST: CHARACTERS, SYMBOLS, AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH AND CONTRAST 70% MIN. WITH THEIR BACKGROUNDS.

CHARACTER & SYMBOLS - "APCO" COLOR #A01 WHITE (U.N.O.)

BACKGROUND - "APCO" COLOR #A54 GRAPHITE (U.N.O.)

INTEGRAL COLOR FRAME: "APCO" COLOR PEARL GREY (U.N.O.)

PANEL: 1/4" THICK ACRYLIC PANEL WITH PHOTO POLYMER RAISED TACTILE COPY SUB-SURFACE SYMBOL (U.N.O.)

4. BRAILLE: CONTRACTED CALIFORNIA GRADE 2 BRAILLE SHALL BE USED WHERE BRAILLE IS REQUIRED. DOTS SHALL BE 1/10 INCH ON CENTERS IN EACH CELL WITH 2/10 INCH SPACE BETWEEN CELLS AND HAVE DOMED OR ROUNDED TOPS. CBC TABLE 11B-703.3.1

5. EXTERIOR SIGNS SHALL BE METAL COMPONENTS SUITABLE TO EXTERIOR USE AND SIMILAR TO INTERIOR SIGNS FOR SHAPE AND FORM

6. CONTRACTOR TO SUBMIT A SCHEDULE TO VERIFY ALL PERMANENT NUMBERS AND TEXT PRIOR TO FABRICATION.

10.101

CHARACTER & BRAILLE STANDARDS FOR SIGNAGE PER TITLE 24 — 1 — 1/4" = 1'-0"

KEYNOTES

NOTES

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

Consultant Seal

Agency Approval — FILE NO. 37-C1
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS____ FLS____ SSS____
DATE ____

Project Title
PALOMAR COLLEGE
Palomar North Education Center - Interim Village
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/06/2017
	DSA SUBMITTAL - PHASE IV	10/06/2017

Drawing Title:
SIGNAGE DETAILS

Architect's Seal
REGISTERED ARCHITECT — BRIAN LEE CRAIG — NO. C-32437 — REN. 02-28-19 — STATE OF CALIFORNIA

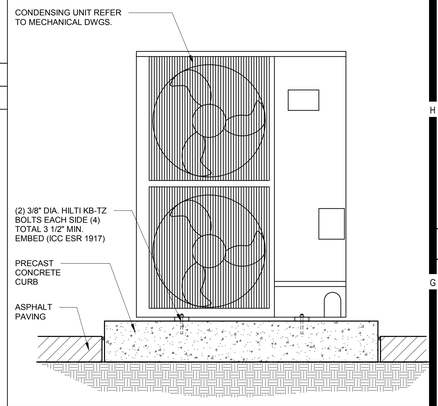
Designed: BL		Project No.	5015019-102
Drawn: AC, MB		Scale:	As indicated
QAQC: SC		Drawing No.	A10.21
Date: 10/06/2017			

C:\Revit Local Files\5015019_A17_Central_acontreras.rvt

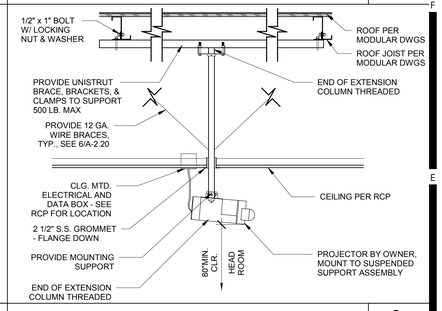
10/5/2017 5:39:34 PM

PLEASE RECYCLE

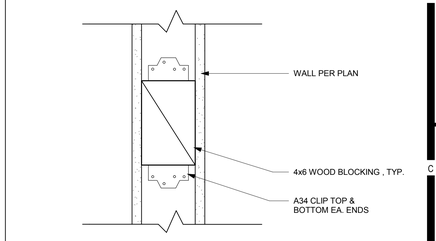
DSA SUBMITTAL



CONDENSING UNIT ATTACHMENT 4
1" = 1'-0"

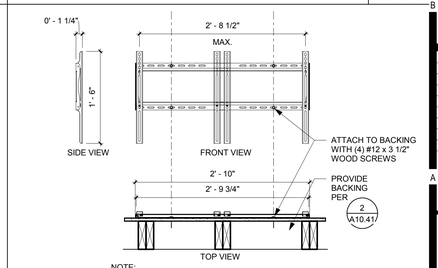


CEILING-HUNG PROJECTOR 3
3/4" = 1'-0"



06.006

TYPICAL BACKING DETAIL 2
3" = 1'-0"



NOTE:
TELEVISIONS AND MOUNT WEIGHT TOTAL AT 200LBS. MAX.

10.404

TELEVISION MOUNT 1
1" = 1'-0"

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

SM

KEYNOTES

NOTES

Consultant Seal

Agency Approval FILE NO. 37-C1
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS____ FLS____ SSS____
DATE ____

Project Title
PALOMAR COLLEGE Learning for Success
Palomar North Education Center - Interim Village
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/06/2017

Drawing Title:
MISCELLANEOUS DETAILS

Architect's Seal
LICENSED ARCHITECT BRIAN E. LEE NO. C-32437 REN. 02-28-19 STATE OF CALIFORNIA

Designed:	BL	Project No.	5015019-102
Drawn:	AC, MB	Scale:	As indicated
QAQC	SC	Drawing No.	A10.41
Date:	10/06/2017		

DSA SUBMITTAL

C:\Revit Local Files\5015019_A17_Central_aconteras.rvt

10/6/2017 10:08:35 AM

PLEASE RECYCLE

LEGEND

SYMBOL	DESCRIPTION
	NOTE CALLOUT
	DETAIL CALLOUT - NUMBER ON TOP DENOTES DETAIL NUMBER - NUMBER ON BOTTOM DENOTES SHEET DETAIL IS SHOWN
	MECHANICAL EQUIPMENT CALLOUT, SEE MECHANICAL PLANS FOR EXACT LOCATION AND REQUIREMENTS
	SECTION CALLOUT
	POINT OF CONNECTION
	POINT OF DISCONNECTION
	NEW LINEWORK
	EXISTING LINEWORK
	DEMOLITION LINEWORK
4" CHWR	NEW PIPING (SIZE-SERVICE)
16"x12"	SHEET METAL DUCT
16"x12"	HIDDEN SHEET METAL DUCT
16"x12"	INTERNALLY INSULATED SHEET METAL DUCT
	DIRECTION OF FLOW
	STANDARD BRANCH FOR SUPPLY AND RETURN
	ROUND ELBOW DOWN
	ROUND ELBOW UP
	RECTANGULAR TO ROUND TRANSITION
8"	FLEXIBLE DUCT
FC	FLEX CONNECTION
BDD	BACK DRAFT DAMPER
FD	FIRE DAMPER
FSD	COMBINATION FIRE AND SMOKE DAMPER
M	MOTORIZED DAMPER
2x2	SUPPLY DIFFUSER: 2-WAY/3-WAY/4-WAY
	GRILLE: RETURN/EXHAUST
	1'x2' RETURN AIR GRILLE
	2'x2' RETURN AIR GRILLE
UP DN	SUPPLY AIR DUCT SECTION
UP DN	RETURN AIR DUCT SECTION
UP DN	EXHAUST AIR DUCT SECTION
	POWER OR GRAVITY ROOF VENTILATOR - EXHAUST
	POWER OR GRAVITY ROOF VENTILATOR - SUPPLY
UC	UNDERCUT DOOR
TG	TRANSFER GRILLE OR LOUVER
DG	DOOR GRILLE OR LOUVER
	SINGLE DUCT VAV BOX WITH REHEAT COIL
	SINGLE DUCT VAV BOX WITHOUT REHEAT COIL
T	SPACE TEMPERATURE SENSOR
PS	PRESSURE SWITCH
SD	SMOKE DETECTOR
SP	STATIC PRESSURE SENSOR
RS	REFRIGERANT SENSOR
D	DEW POINT SENSOR
H	SPACE HUMIDITY SENSOR

SYMBOL	DESCRIPTION
	COOLING COIL
	HEATING COIL
	DAMPER, OPPOSED BLADE
	DAMPER, PARALLEL BLADE
	FILTER
	HUMIDIFIER
	LOUVER
AD	ACCESS DOOR OR ACCESS PANEL (AP) IN DUCTWORK
1"=2"	STATIC PRESSURE CHANGE TAG
2"	STATIC PRESSURE TAG
	TURNING VANES (RECTANGULAR)
	DRAIN, FUNNEL
	PUMP
	CENTRIFUGAL FAN
	CONVERTER OR HEAT EXCHANGER SHELL AND TUBE
	PLATE HEAT EXCHANGER
	BALL VALVE
	BALL VALVE W/ ACTUATOR
	BUTTERFLY VALVE
	BUTTERFLY VALVE W/ ACTUATOR
	GATE VALVE
	GATE VALVE W/ ACTUATOR
	GLOBE VALVE
	GLOBE VALVE W/ ACTUATOR
	THREE-WAY VALVE
	THREE-WAY VALVE W/ ACTUATOR
	CHECK VALVE, SWING
	CHECK VALVE, SPRING LOADED
	MULTI-PURPOSE VALVE
	FLOW MEASURING AND BALANCING VALVE
	HOSE BIBB VALVE
	LOCK SHIELD MANUAL VALVE
	PLUG VALVE
	PRESSURE REGULATOR
	PRESSURE-REDUCING REGULATOR
	STRAINER, Y-TYPE
	STRAINER, DOUBLE BASKET
	PRESSURE GAUGE WITH SHUTOFF COCK
	PRESSURE GAUGE WITH SNUBBER AND SHUTOFF COCK
	SHUTOFF COCK
	SELF-SEALING PRESSURE AND TEMPERATURE TAP
	THERMOMETER
	THERMOWELL

SYMBOL	DESCRIPTION
	ELBOW FACING AWAY FROM VIEWER
	ELBOW FACING TOWARD VIEWER
	TEE FACING AWAY FROM VIEWER
	TEE FACING TOWARD VIEWER
	PIPE CAP
	TRANSITION, ASYMMETRIC
	TRANSITION, SYMMETRIC
	EXPANSION JOINT (COMPENSATOR)
	PIPE GUIDE
	PIPE ANCHOR
S	AIR SEPARATOR
DCBFP	DOUBLE CHECK BACKFLOW PREVENTER
FM	FLOW METER
FL	FLOW REGULATOR AND FLOW LIMITING VALVE
PSD	PUMP SUCTION DIFFUSER
RPZBP	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
VB	VACUUM BREAKER
	AIR VENT, AUTOMATIC
	FLEXIBLE CONNECTION
	SAFETY OR RELIEF VALVE
	UNION, SCREWED
	ANALOG SIGNAL
	DIGITAL SIGNAL
	ELECTRIC LEAD
	INSTRUMENT CAPILLARY TUBING
	ELECTRONIC 3-WAY VALVE
	ELECTRONIC 2-WAY VALVE
	DDC INPUT
	DDC OUTPUT
	LOCALLY MOUNTED INSTRUMENT
CO2	CARBON DIOXIDE SENSOR
DPS	DIFFERENTIAL PRESSURE SENSOR
FM	FLOW METER
FS	AIRFLOW SENSOR
HS	RELATIVE HUMIDITY SENSOR
TS	TEMPERATURE SENSOR
TS	AVERAGING TEMPERATURE SENSOR

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AAV	AUTOMATIC AIR VENT
ABV	ABOVE
AC	AIR CONDITIONING UNIT
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
ALUM	ALUMINUM
AP	ACCESS PANEL
BD	BLOWDOWN
BDD	BACK DRAFT DAMPER
BEL	BELOW
BFC	BELOW FINISHED CEILING
BFP	BACK FLOW PREVENTER
BHP	BRAKE HORSEPOWER
BLDG	BUILDING
BOB	BOTTOM OF BEAM
BOP	BOTTOM OF PIPE
BSMT	BASEMENT
BTU	BRITISH THERMAL UNIT
CD	CEILING DIFFUSER
CFM	CUBIC FEET PER MINUTE
CH	CHILLER
CHWP	CHILLED WATER PUMP
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CI	CAST IRON
CL	CENTER LINE
CLG	CEILING
CO	CLEAN OUT
COL	COLUMN
CP	CONDENSATE PUMP
CT	COOLING TOWER
CU	CONDENSING UNIT
CV	CONSTANT VOLUME BOX
CWP	CONDENSER WATER PUMP
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
CWFR	CONDENSER WATER FILTER RETURN
CWFS	CONDENSER WATER FILTER SUPPLY
D	DRAIN
DB	DRY BULB
DEG	DEGREES
DIA	DIAMETER
DL	DOOR LOUVER
DN	DOWN
DS	DUCT SILENCER
DWP	DOMESTIC WATER PUMP
DX	DIRECT EXPANSION
(E)	EXISTING
EA	EACH
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EFF	EFFICIENCY
EJ	EXPANSION JOINT
EL	ELEVATION
EQ	EQUAL
ER	EXHAUST REGISTER
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EWC	ELECTRIC WATER COOLER
EWT	ENTERING WATER TEMPERATURE
°F	DEGREES FAHRENHEIT
FA	FREE AREA
FC	FAN COOL UNIT
FD	FIRE DAMPER
FG	FILTER GRILLE
FLA	FULL LOAD AMPS
FLR	FLOOR
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
FP	FIRE PUMP
FPI	FINS PER INCH
FPM	FEET PER MINUTE
FT	FEET OR FOOT
FX	FLEXIBLE CONNECTION
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HB	HOSE BIBB
HD	HEAD
HP	HEAT PUMP
HP	HORSEPOWER
HT	HEIGHT
HZ	HERTZ
IC	MOTOR STATUS
ICW	INDUSTRIAL COLD WATER
ID	INSIDE DIAMETER
IN	INCHES
KW	KILOWATTS
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LD	LINEAR DIFFUSER
LF	LINEAR FEET
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	THOUSAND BTU PER HOUR
MC	MECHANICAL CONTRACTOR
MCA	MINIMUM CIRCUIT AMPS
MH	MANHOLE
MIN	MINIMUM
MOCP	MAXIMUM OVERLOAD CIRCUIT PROTECTION
MTD	MOUNTED
MUA	MAKE-UP AIR UNIT
NFA	NET FREE AREA
NIC	NOT IN CONTRACT
NPSHR	NET POSITIVE SUCTION HEAD REQUIRED
OAT	OUTSIDE AIR TEMPERATURE
OBD	OPPOSED BLADE DAMPER
OC	ON CENTER
OD	OUTSIDE DIAMETER
OSA	OUTSIDE AIR
PBD	PARALLEL BLADE DAMPER
PD	PRESSURE DROP
PERF	PERFORATED
PH	PHASE
POD	POINT OF DISCONNECT
PR	PRESSURE RELIEF
PRV	PRESSURE REDUCING VALVE
PSID	POUNDS PER SQUARE INCH DIFFERENTIAL
PSIG	POUNDS PER SQUARE INCH GAUGE
PTAC	PACKAGED TERMINAL AIR CONDITIONER
PVC	POLYVINYL CHLORIDE
RA	RETURN AIR
RAG	RETURN AIR GRILLE
RAR	RETURN AIR REGISTER
RD	ROOF DRAIN
RF	RETURN FAN
RHC	REHEAT COIL
RLA	RATED LOAD AMPS
RPM	REVOLUTIONS PER MINUTE
SA	SUPPLY AIR
SAR	SUPPLY AIR REGISTER
SD	SMOKE DAMPER
SF	SUPPLY FAN
SMBH	SENSIBLE MBH
SPEC	SPECIFICATION
SS	STAINLESS STEEL
STD	STANDARD
TAD	TRANSFER AIR DUCT
TDH	TOTAL DYNAMIC HEAD
TEFC	TOTALLY ENCLOSED FAN COOLED
TEMP	TEMPERATURE
TG	TRANSFER GRILLE
TMBH	TOTAL MBH
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UC	UNDERCUT
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
V	VOLTS
VAV	VARIABLE AIR VOLUME UNIT
VD	VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
VTR	VENT THRU ROOF
W/	WITH
W/O	WITHOUT
WB	WET BULB
WC	WATER COLUMN
WG	WATER GAUGE
WT	WEIGHT

REFERENCE WILL BE MADE TO ANSI Y1.1, MILITARY STANDARD IN THE EVENT ABBREVIATIONS NOT MENTIONED HEREIN ARE USED, ABBREVIATIONS, AND OTHER STANDARD INDUSTRY CONVENTIONS.

CONTROL ABBREVIATIONS

ABBREVIATION	DESCRIPTION
A	ALARM
AI	ANALOG INPUT
AO	ANALOG OUTPUT
DI	DIGITAL INPUT
DO	DIGITAL OUTPUT
DP	DIFFERENTIAL PRESSURE
FS	FLOW SWITCH
FM	FLOW METER
HOA	HANDS OFF AUTO
KW	KILOWATTS
LA	LEVEL ALARM
MOD	MOTOR OPERATED DAMPER
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
PS	PRESSURE SWITCH
PT	PRESSURE TRANMITTER
RH	RELATIVE HUMIDITY
S	STATUS
SC	SPEED CONTROL
SI	SPEED INDICATOR
SP	SETPOINT
SS	START/STOP
T	TEMPERATURE
TI	TEMPERATURE INDICATOR
VA	DAMPER/VALVE ACTUATOR
VP	VELOCITY PRESSURE
VSH	VIBRATION SWITCH
ZC	CLOSED END SWITCH
ZI	POSITION INDICATOR
ZO	OPEN END SWITCH

REFERENCE WILL BE MADE TO ANSI Y1.1, MILITARY STANDARD IN THE EVENT ABBREVIATIONS NOT MENTIONED HEREIN ARE USED, ABBREVIATIONS, AND OTHER STANDARD INDUSTRY CONVENTIONS.

SHEET INDEX

SHEET	DESCRIPTION
M0.01	GENERAL NOTES, LEGEND, ABBREVIATIONS, AND SHEET INDEX
M0.02	SCHEDULES AND DETAILS
M1.01	INTERIM VILLAGE SITE PLANS
M2.01	IDF FLOOR PLANS
M2.02	MDF FLOOR PLAN
M7.01	TITLE 24 FORMS

GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH THE 2016 EDITIONS OF THE CALIFORNIA BUILDING, MECHANICAL, PLUMBING, AND OTHER APPLICABLE FEDERAL, STATE, OR LOCAL CODES AS ADOPTED AND ENFORCED BY THE LOCAL JURISDICTION. IN CASE THE PLANS SHOW MORE STRINGENT REQUIREMENTS, THE PLANS SHALL GOVERN THE DESIGN. YET NOTHING ON THE DESIGN DOCUMENTS SHALL BE INTERPRETED AS AUTHORITY TO VIOLATE CODE(S) OR REGULATION(S).
2. SUBMISSION OF BID IN CONNECTION WITH THIS WORK SHALL IMPLY THAT THE BIDDER HAS EXAMINED THE JOB SITE UNDER WHICH THE CONTRACTOR WILL BE OBLIGATED TO OPERATE UNDER THIS CONTRACT. NO EXTRA CHARGE WILL BE ALLOWED FOR FAILURE OF ANY BIDDER TO EXAMINE THE SITE PRIOR TO BID.
3. WHERE USED, THE TERM "PROVIDE" SHALL MEAN "FURNISH AND INSTALL".
4. IN THE EVENT OF A CONFLICT OR INCONSISTENCY BETWEEN ITEMS INDICATED ON DESIGN PLANS / SPECIFICATIONS WITH CODE REQUIREMENTS, THE MORE STRINGENT STANDARD SHALL PREVAIL.
5. THIS CONTRACTOR SHALL FURNISH LABOR, MATERIALS, EQUIPMENT, AND TRANSPORTATION AS REQUIRED TO PROPERLY INSTALL ALL NEW HVAC SYSTEMS OR RELATED COMPONENTS AS INDICATED ON PLANS AND SPECIFIED HEREIN.
6. ALL NEW EQUIPMENT AND MATERIAL TO BE INSTALLED AS PART OF RENOVATION / NEW CONSTRUCTION SHALL BEAR AN UNDERWRITERS' LABORATORIES LABEL (UL), AND INSTALLED IN SUCH A MANNER FOR WHICH THEY ARE DESIGNED AND APPROVED.
7. THIS CONTRACTOR SHALL DOCUMENT AND RELAY ANY MAJOR DEVIATIONS FROM THE DESIGN DOCUMENTS, AND ATTAIN APPROVAL FROM THE MECHANICAL ENGINEER BEFORE PROCEEDING. AS-BUILT COPIES SHALL BE PROVIDED INDICATING ALL CHANGES / DEVIATIONS MADE DURING CONSTRUCTION.
8. ALL WORK SHALL BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER. CARE SHALL BE EXERCISED TO MINIMIZE ANY INCONVENIENCE OR DISTURBANCE TO OTHER AREAS OF THE BUILDING WHICH ARE TO REMAIN IN OPERATION. ISOLATE WORK AREAS BY MEANS TO KEEP DUST AND DIRT WITHIN THE CONSTRUCTION AREA.
9. NO PIPING, EQUIPMENT, ETC. SHALL BE REMOVED, DISCONNECTED OR SHUT DOWN WITHOUT PRIOR REVIEW WITH THE OWNER TO CONFIRM THAT AREAS TO REMAIN IN OPERATION WILL NOT BE AFFECTED. IF ANY AREAS NOT WITHIN THE SCOPE OF WORK ARE AFFECTED BY ANY SHUTDOWN, REMOVAL OR DISCONNECTION, SUFFICIENT ADVANCE NOTICE MUST BE GIVEN TO THE OWNER INDICATING WHICH AREAS WILL BE AFFECTED, WHEN THE PROPOSED SHUTDOWN WILL OCCUR, AND FOR HOW LONG A PERIOD OF TIME.
10. THE ARRANGEMENT OF EQUIPMENT AND PIPING SHOWN ON THE DRAWINGS IS BASED UPON INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF DESIGN AND IS NOT INTENDED TO SHOW EXACT DIMENSIONS PECULIAR TO A SPECIFIC MANUFACTURER. THE DRAWINGS ARE, IN PART, DIAGRAMMATIC AND SOME FEATURES OF THE ILLUSTRATED EQUIPMENT INSTALLATION MAY REQUIRE REVISION TO MEET ACTUAL EQUIPMENT INSTALLATION REQUIREMENTS. STRUCTURAL SUPPORTS, FOUNDATIONS, CONNECTED PIPING, VALVES AND ELECTRICAL CONDUIT SPECIFIED MAY HAVE TO BE ALTERED TO ACCOMMODATE THE EQUIPMENT PROVIDED. NO ADDITIONAL PAYMENT WILL BE MADE FOR SUCH REVISIONS AND ALTERATIONS.
11. THIS CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT THE SITE MAKING FIELD MEASUREMENTS AND SHOP DRAWINGS NECESSARY FOR FABRICATION OR ERECTION OF HVAC SYSTEMS. MAKE ALLOWANCE FOR BEAMS, PIPES AND OTHER OBSTRUCTIONS IN BUILDING CONSTRUCTION. CHECK DRAWINGS SHOWING WORK OF OTHER TRADES AND CONSULT WITH THE OWNERS REPRESENTATIVE IN THE EVENT OF POTENTIAL INTERFERENCE. SHOP DRAWINGS SHALL BE MINIMUM 1/4"=1'-0" SCALE, INDICATING FITTINGS, SIZES, WELDS AND CONFIGURATIONS AND SUBMITTED TO ENGINEER FOR REVIEW.
12. THIS CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES PRIOR TO FABRICATION, PURCHASE AND/OR INSTALLATION OF ALL WORK.
13. BEFORE COMMENCEMENT OF WORK, THIS CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, ELEVATIONS, AND CHARACTERISTICS OF ALL UTILITIES.
14. CONTRACTOR SHALL SECURE AND PAY ALL FEES AND PERMITS PERTAINING TO THE CONTRACT.
15. EXISTING MATERIALS THAT ARE REMOVED SHALL NOT BE REUSED IN NEW SYSTEMS, EXCEPT WHERE INDICATED AS BEING RELOCATED.
16. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURERS WRITTEN INSTRUCTIONS.
17. GALVANIZED SHEET METAL SHALL BE PROVIDED FOR ALL HVAC DUCT SYSTEMS, AND CONSTRUCTED / SUPPORTED / INSTALLED IN ACCORDANCE WITH THE 2016 CALIFORNIA MECHANICAL CODE AND THE LATEST SMACNA STANDARDS.
18. ALL PIPING SHALL BE INSTALLED AS INDICATED ON THE DRAWINGS IN A NEAT WORKMANSHIP-LIKE MANNER AND BE SUPPORTED AS REQUIRED BY CODES. PIPING SHALL BE SET UP AND DOWN AND OFFSET AS REQUIRED TO SUIT FIELD CONDITIONS. DIELECTRIC COUPLINGS SHALL BE USED WHERE DISSIMILAR METALS ARE JOINED.
19. THIS CONTRACTOR SHALL PROVIDE ALL NECESSARY SUPPORTS FOR FIXTURES, DUCTWORK, PIPING, AND MECHANICAL EQUIPMENT, IN ORDER TO COMPLY WITH SEISMIC REQUIREMENTS AS OUTLINED BY THE LATEST EDITION(S) OF THE CALIFORNIA BUILDING CODE, SMACNA INSTALLATION STANDARDS, AND ALL RELATED LOCAL ORDINANCES.
20. PIPING AND DUCT SUPPORTS SHALL BE AS FOLLOWS:
    A. ALL BRACING OF DUCTS AND PIPING SHALL BE INSTALLED IN ACCORDANCE WITH SMACNA GUIDELINES, OR AS DETAILED AND SPECIFIED HEREIN.
    B. WHERE BRACING DETAILS ARE NOT SHOWN ON THE DRAWINGS OR IN THE GUIDELINES, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE MECHANICAL ENGINEER.
    C. A COPY OF THE GUIDELINES PUBLISHED BY SMACNA SHALL BE PROVIDED BY THE CONTRACTOR AND KEPT ON THE JOB AT ALL TIMES.
21. THIS CONTRACTOR SHALL NOT BORE, NOTCH, CUT, OR PENETRATE INTO A STRUCTURAL MEMBER WITHOUT WRITTEN APPROVAL FROM A DESIGNATED STRUCTURAL ENGINEER AND THE OWNER.
22. ALL PIPE ELBOWS SHALL BE LONG RADIUS UNLESS OTHERWISE SPECIFICALLY NOTED ON THE DRAWINGS.
23. ISOLATE AND DRAIN EXISTING PIPING SYSTEM AS REQUIRED TO ACCOMMODATE INSTALLATION OF THE WORK.
24. INSTALL MANUAL VOLUME DAMPERS WITHIN DUCT BRANCHES TO BALANCE AIR FLOW CFM. ON INSULATED DUCTS, MOUNT DAMPER REGULATOR ON 2" STAND-OFF BRACKET TO CLEAR INSULATION.
25. PER 2016 CMC 608.1 AUTOMATIC SHUT OFF OF AIR HANDLER SHALL BE DONE UPON THE DETECTION OF SMOKE IN THE MAIN SUPPLY AIR DUCT SERVED BY THE AIR HANDLER.
26. ALL MATERIAL EXPOSED WITHIN RA PLENUMS SHALL BE NON-COMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX NOT GREATER THAN 25 AND SMOKE DEVELOPED INDEX NOT GREATER THAN 50. COMPLY WITH CMC-602.2.
27. 2016 CBC MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT ANCHORAGE NOTES:

    ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCES AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2016 CBC, SECTIONS 1616A.1.18-1616A.1.26 AND ASCE 7-10 CHAPTER 13.

    A. ALL PERMANENT EQUIPMENT AND COMPONENTS.
    B. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
    C. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

    THE ATTACHMENT OF THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENT SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

    A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORTS THE COMPONENT.
    B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

    FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.
28. PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTES:

    PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8.3, 13.6.7, 13.6.5.6, AND 2016 CBC, SECTIONS 1616A.1.23, 1. 24, 1 25, 1. 26.

    THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPM #) AS MODIFIED TO SATISFY ANCHORAGE REQUIREMENTS OF ACI 318, APPENDIX D.

    COPIES OF THE MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AND BRACING OF THE PIPE, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS.

    THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

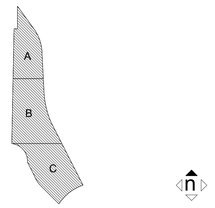
SM

KEY NOTES

NO.	Note - Detail

NOTES

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APPL. 04-116581

ACS_____ FLS_____ SSS_____

DATE _____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/06/2017

Drawing Title:

General Notes, Legend, Abbreviations and Sheet Index

Architect's Seal

Designed:	JD	Project No.	5015019-102
Drawn:	MU	Scale:	No Scale
QAQC	TZ	Drawing No.	M0.01
Date:	10/06/2017		

PCS No. 8887

PLEASE RECYCLE

DSA SUBMITTAL

CONDENSING UNITS

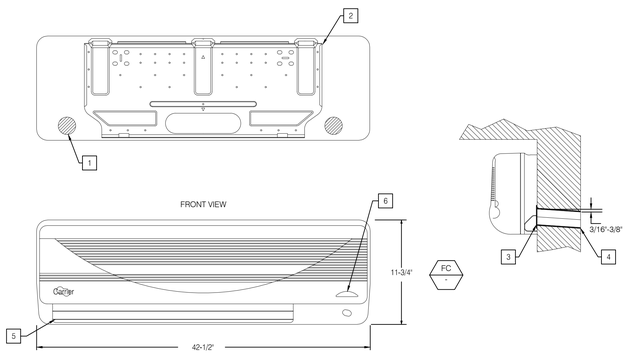
MARK	MANUFACTURER & MODEL	LOCATION	SERVICE	NAMEPLATE		COOLING CAPACITY		PIPING CONN INCHES		REFRIGERANT	COOLING EER / SEER	OPERATING WEIGHT LBS.	ANCHORAGE	REMARKS
				MCA / MOCP (A)	V/PH	AMB °F	MBH	SUCT	LIQUID	TYPE				
CU-1	MITSUBISHI PUY-A42NKA7	GROUND	FC-1	25/31	208/1	95	42	5/8	3/8	410A	10.2/17.6	250	3/M0.02	CONDENSING UNIT POWERS ASSOCIATED FAN COIL.
CU-2	MITSUBISHI PUY-A42NKA7	GROUND	FC-2	25/31	208/1	95	42	5/8	3/8	410A	10.2/17.6	250	3/M0.02	CONDENSING UNIT POWERS ASSOCIATED FAN COIL.
CU-3	MITSUBISHI PUY-A12NKA7	GROUND	FC-3	11/28	208/1	95	12	1/2	1/4	410A	12/20.8	110	3/M0.02	CONDENSING UNIT POWERS ASSOCIATED FAN COIL.
CU-4	MITSUBISHI PUY-A12NKA7	GROUND	FC-4	11/28	208/1	95	12	1/2	1/4	410A	12/20.8	110	3/M0.02	CONDENSING UNIT POWERS ASSOCIATED FAN COIL.

DX FAN COILS

MARK	MANUFACTURER & MODEL	TYPE	SERVICE	INDOOR BLOWER		NAMEPLATE		COOLING CAP		PIPING CONN INCHES		FILTER	OPERATING WEIGHT LBS.	ANCHORAGE	REMARKS
				AIRFLOW CFM	WATTS	FLA / MCA (A)	V/PH	TOT MBH	EAT	SUCT	LIQUID	TYPE			
FC-1	MITSUBISHI PCA-A42KA7	CEILING MOUNTED	MDF	700	160	0.97/2	208/1	42	77	5/8	3/8	-	110	4/M0.02	PROVIDE WITH CONDENSATE PUMP, SAUERMANN #SI30-230. MOUNT PUMP EXTERNALLY TO UNIT. PUMP INTERLOCKED WITH AND POWERED FROM FAN COIL.
FC-2	MITSUBISHI PCA-A42KA7	CEILING MOUNTED	MDF	700	160	0.97/2	208/1	42	77	5/8	3/8	-	110	4/M0.02	PROVIDE WITH CONDENSATE PUMP, SAUERMANN #SI30-230. PUMP INTERLOCKED WITH AND POWERED FROM FAN COIL. PROVIDE RETURN AIR PLENUM BOX.
FC-3	MITSUBISHI PKA-A12HA7	WALL MOUNTED	IDF K103	370	30	0.33/1	208/1	12	77	1/2	1/4	-	33	4/M0.02	PROVIDE WITH CONDENSATE PUMP, SAUERMANN #SI30-230. MOUNT PUMP EXTERNALLY TO UNIT. PUMP INTERLOCKED WITH AND POWERED FROM FAN COIL.
FC-4	MITSUBISHI PKA-A12HA7	WALL MOUNTED	IDF H101	370	30	0.33/1	208/1	12	77	1/2	1/4	-	33	4/M0.02	PROVIDE WITH CONDENSATE PUMP, SAUERMANN #SI30-230. MOUNT PUMP EXTERNALLY TO UNIT. PUMP INTERLOCKED WITH AND POWERED FROM FAN COIL.

1 SCHEDULES

NO SCALE



NOTES

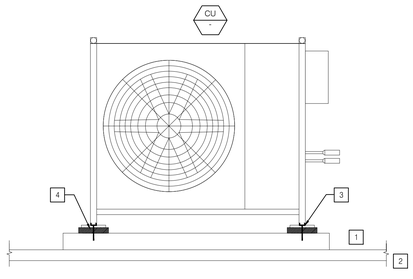
1. 2-1/2" DIA. KNOCKOUT PANELS FOR REFRIGERANT, DRAIN, POWER AND SIGNAL LINES.
2. MOUNTING BRACKET.
3. WALL SLEEVE.
4. 2-1/2" DIA FOR REFRIGERANT, DRAIN, POWER AND SIGNAL LINES.
5. AUTO AIRSWEEP LOUVER.
6. INFRARED REMOTE OVERRIDE SWITCH (BEHIND ACCESS COVER).

NOTES

1. FOR METAL STUD WALLS MOUNT TO STUDS, OR REMOVE DRYWALL, PROVIDE BLOCKING CONNECTED TO THE STUDS & REPLACE DRYWALL/PAINT TO MATCH. SECURE INTO BACKING WITH (2) ROWS OF (4) #10 SMS (MINIMUM TOTAL OF 8).
2. REFRIGERANT, DRAIN, AND POWER CONNECTIONS MAY BE MADE IN UNIT, REAR, BOTTOM, LEFT SIDE OR RIGHT SIDE. INSTALL UNIT AS INSTRUCTED BY MANUFACTURER.

4 WALL MOUNTED FAN COIL SUPPORT

NO SCALE

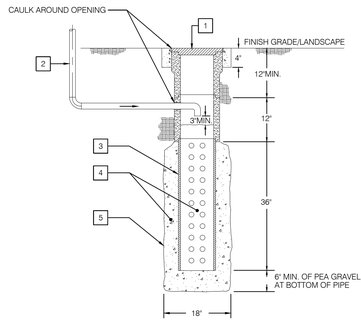


NOTES

1. FOR SEE STRUCTURAL DRAWINGS FOR MECHANICAL PAD.
2. GROUND.
3. (2) 3/8" DIA. HILTI KB-TZ BOLTS EACH SIDE (4 TOTAL) 3" MIN. EMBED (ICC ESR 1917).
4. 5/8" NEOPRENE PAD.
5. PROVIDE 18" MINIMUM CLEARANCE FOR COIL SIDE AND COIL REAR. PROVIDE 36" CLEARANCE FOR FRONT AND SIDE ACCESS AND 18" FOR LEFT AND REAR ACCESS. REFER TO MANUFACTURER'S WRITTEN SPECIFICATIONS FOR DETAILS.

3 CONDENSING UNIT MOUNTING

NO SCALE



DETAIL NOTES

1. 8" DIA. TRAFFIC WEIGHT GALVANIZED COVER WITH BROOKS CONCRETE YARD BOX.
2. CONDENSATE DRAIN PIPING TO TERMINATE INTO DRY WELL. SEE FLOOR PLANS FOR ROUTING. PROVIDE 3" MINIMUM AIR GAP TO TOP OF PEA GRAVEL.
3. PROVIDE 8'Ø x 4 FT. DEEP SECTION OF PERFORATED PVC PIPE.
4. FILL PIPE AND SURROUND PIPE WITH PEA GRAVEL.
5. FILTER FABRIC WRAPPING SHALL BE USED BETWEEN THE GRAVEL AND UNDISTURBED SOIL. THE FABRIC SHALL BE PERMEABLE, NON-WOVEN AND SHALL BE MANUFACTURED FROM POLYESTER, NYLON OR POLYPROPYLENE.

2 DRY WELL DETAIL

NO SCALE

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

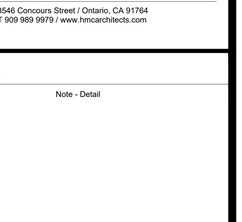
SM

KEY NOTES

NO.	Note - Detail

NOTES

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APPL. 04-116581

ACS_____ FLS _____ SSS _____

DATE _____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/06/2017

Drawing Title:
Schedules & Details

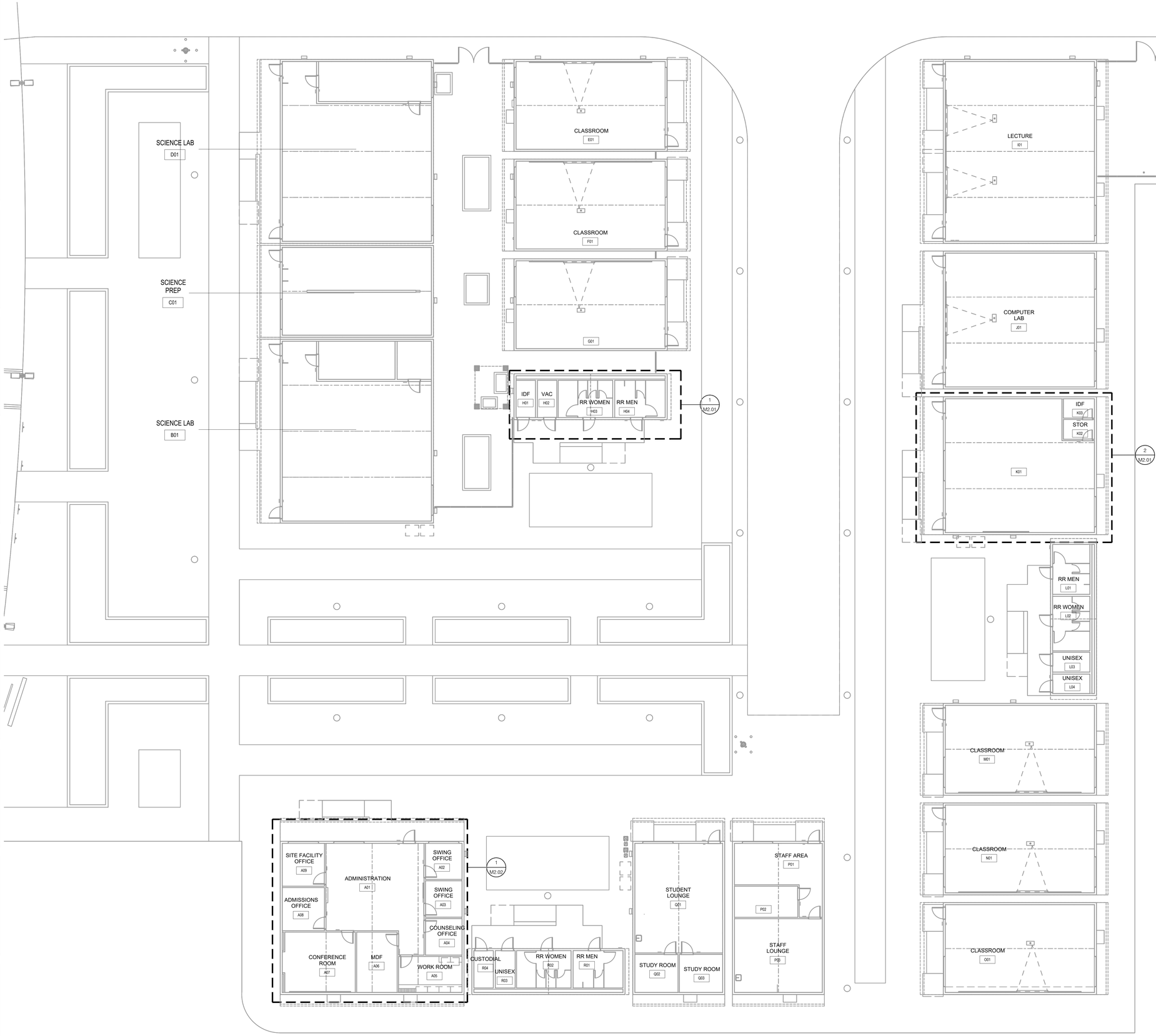
Architect's Seal

Designed:	JDM	Project No.	5015019-102
Drawn:	MU	Scale:	Not To Scale
QAQC	NB	Drawing No.	M0.02
Date:	10/06/2017		

PCS No. 8887

PLEASE RECYCLE

DSA SUBMITTAL



HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

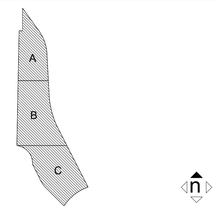
SM

KEY NOTES

NO. Note - Detail

NOTES

Key Plan



Consultant Seal

REGISTERED PROFESSIONAL ENGINEER
MECHANICAL
STATE OF CALIFORNIA
SIGNED: 10/06/2017

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS____ FLS____ SSS____
DATE ____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/06/2017

Drawing Title:
Interim Village Site Plan

Architect's Seal

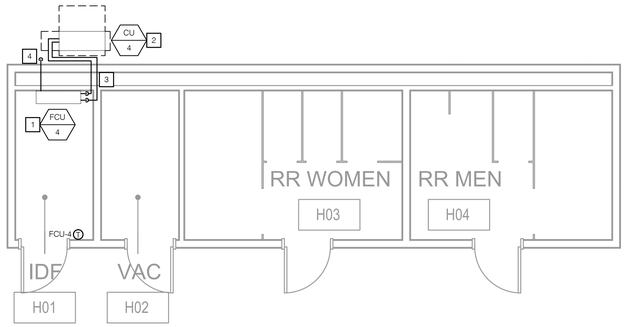
LICENSED ARCHITECT
ERIC E. GUSTAFSON
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed:	ER	Project No.	5015019-102
Drawn:	JQ	Scale:	1" = 10'-0"
QAQC	ER	Drawing No.	M1.01
Date:	10/06/2017		

PCS No. 8887

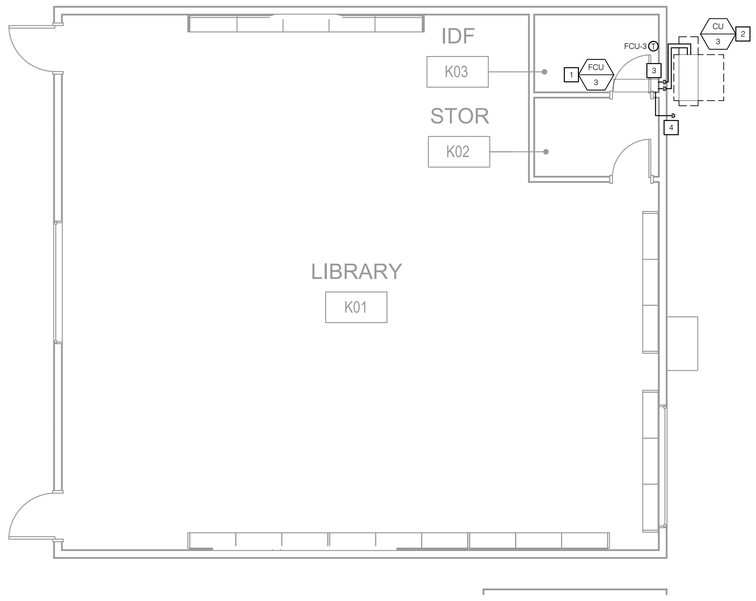
PLEASE RECYCLE

DSA SUBMITTAL



1 IDF H01 PLAN

NO SCALE



2 IDF K03 PLAN

NO SCALE

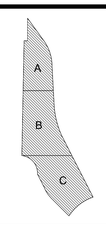
0 4

KEY NOTES

NO.	Note - Detail
1	WALL-MOUNTED FAN COIL UNIT. MOUNT TIGHT TO TOP OF STRUCTURE. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
2	CONDENSING UNIT MOUNTED ON-GRADE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3	1/2"G AND 1/4"L REFRIGERANT PIPING. INSULATE WITH 1-1/2" EPDM INSULATION. ROUTE THROUGH WALL TO CONDENSING UNIT ON-GRADE. PENETRATIONS THROUGH WALL SHALL BE CAULKED AND SEALED WATER TIGHT. COVER OUTDOOR PIPING WITH ALUMINUM WEATHER-PROOF JACKET.
4	ROUTE 5/8" CONDENSATE LINE TO EXTERIOR DRYWELL WITH A MINIMUM SLOPE OF 1% PER CPC REQUIREMENTS. INSTALL DRYWELL PER DETAIL 2/M0.02.

NOTES

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APPL. 04-116581

ACS_____ FLS _____ SSS _____

DATE _____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/06/2017

Drawing Title:

IDF Floor Plans

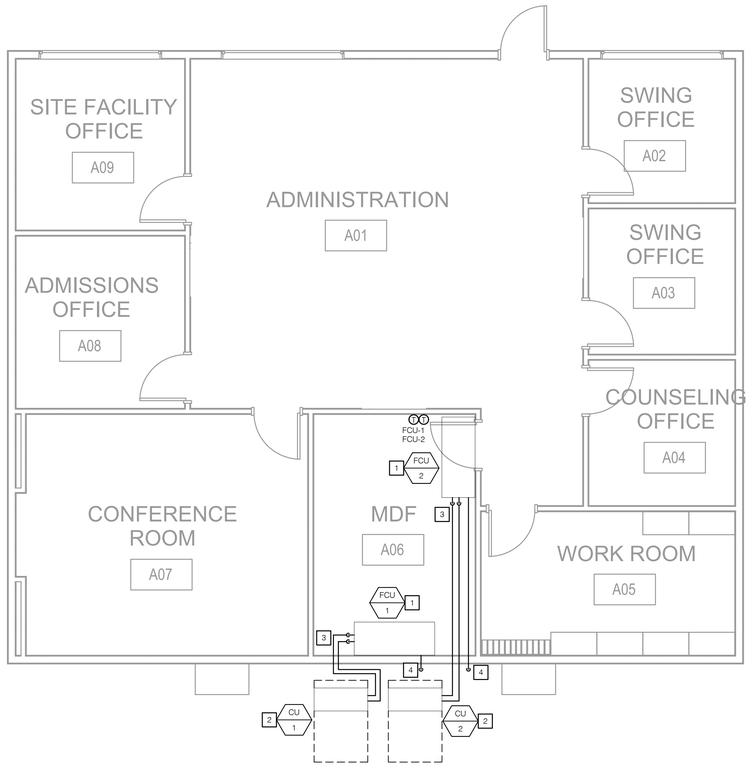
Architect's Seal

Designed:	JDM	Project No.	5015019-102
Drawn:	MU	Scale:	1/4"=1'-0"
QAQC	NB	Drawing No.	M2.01
Date:	10/06/2017		

PRS No. 8887

PLEASE RECYCLE

DSA SUBMITTAL



HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

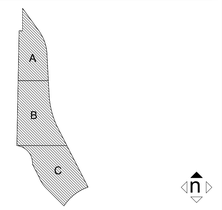
SM

KEY NOTES

NO.	Note - Detail
1	CEILING-MOUNTED FAN COIL UNIT. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
2	CONDENSING UNIT MOUNTED ON-GRADE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3	5/8"G AND 3/8"L REFRIGERANT PIPING. INSULATE WITH 1-1/2" EPDM INSULATION. ROUTE THROUGH WALL TO CONDENSING UNIT ON-GRADE. PENETRATIONS THROUGH WALL SHALL BE CAULKED AND SEALED WATER TIGHT. COVER OUTDOOR PIPING WITH ALUMINUM WEATHER-PROOF JACKET.
4	ROUTE 5/8" CONDENSATE LINE TO EXTERIOR DRYWELL WITH A MINIMUM SLOPE OF 1% PER CPC REQUIREMENTS. INSTALL DRYWELL PER DETAIL 2/M0.02.

NOTES

Key Plan



Consultant Seal

REGISTERED PROFESSIONAL ENGINEER
JAMES D. MARTIN
No. 17538
MECHANICAL
STATE OF CALIFORNIA

SIGNED: 10/06/2017

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APPL. 04-116581

ACS____ FLS____ SSS____

DATE _____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/06/2017

Drawing Title:
MDF Floor Plan

Architect's Seal

REGISTERED ARCHITECT
BRIAN E. GLANCY
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed:	JDM	Project No.	5015019-102
Drawn:	MU	Scale:	1/4"=1'-0"
QAQC	NB	Drawing No.	M2.02
Date:	10/06/2017		

0 4

PLEASE RECYCLE

DSA SUBMITTAL

PSS No. 8887

STATE OF CALIFORNIA
REQUIRED ACCEPTANCE TESTS
CEC-NRCC-MCH-04-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-04-E
Required Acceptance Tests	Page of
Project Name: Palomar NEC - Classroom Modulars	Date Prepared: 10/6/17

A. MECHANICAL COMPLIANCE FORMS & WORKSHEETS
(indicate if worksheet is included)

For detailed instructions on the use of this and all Energy Standards compliance documents, refer to the 2016 Nonresidential Manual
Note: The Enforcement Agency may require all compliance documents to be incorporated onto the building plans. The NRCC-MCH-04-E and NRCC-MCH-05-E are alternative compliance documents to NRCC-MCH-01-E, NRCC-MCH-02-E and NRCC-MCH-03-E for projects using only single zone packaged HVAC systems.

YES	NO	Form	Title
◉	○	NRCC-MCH-04-E (1 of 2)	Certificate of Compliance. Required on plans when used.
◉	○	NRCC-MCH-04-E (2 of 2)	Mechanical Acceptance Tests. Required on plans when used.
◉	○	NRCC-MCH-05-E (1 of 2)	HVAC Prescriptive Requirements. It is required on plans when used.
○	◉	NRCC-MCH-05-E (2 of 2)	Mechanical SWH Equipment Summary is required for all submittals with service water heating, pools or spas. It is required on plans where applicable.

STATE OF CALIFORNIA
REQUIRED ACCEPTANCE TESTS
CEC-NRCC-MCH-04-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-04-E
Required Acceptance Tests	Page of
Project Name: Palomar NEC - Classroom Modulars	Date Prepared: 10/6/17

Designer:
This compliance document is to be used by the designer and attached to the plans. Listed below are all the acceptance tests for mechanical systems. The designer is required to check the applicable boxes by all acceptance tests that apply and list all equipment that requires an acceptance test. If all equipment of a certain type requires a test, list the equipment description and the number of systems. The NA number designates the Section in the Appendix of the Nonresidential Reference Appendices Manual that describes the test. Since this compliance document will be part of the plans, completion of this section will allow the responsible party to budget for the scope of work appropriately.

Enforcement Agency:
Systems Acceptance. Before occupancy permit is granted for a newly constructed building or space, or a new space-conditioning system serving a building or space is operated for normal use, all control devices serving the building or space shall be certified as meeting the Acceptance Requirements for Code Compliance.

Systems Acceptance. Before occupancy permit is granted all newly installed HVAC equipment must be tested using the Acceptance Requirements. The NRCC-MCH-04-E compliance document is not considered a completed document and is not to be accepted by the building department unless the correct boxes are checked. The equipment requiring testing, person performing the test (Example: HVAC installer, TAB contractor, controls contractor, PE in charge of project) and what Acceptance test must be conducted. The following checked-off forms are required for ALL newly installed and replaced equipment. In addition a Certificate of Acceptance compliance documents shall be submitted to the building department that certifies plans, specifications, installation certificates, and operating and maintenance information meet the requirements of Section 10-103(b) and Title 24 Part 6. The building inspector must receive the properly filled out and signed compliance documents before the building can receive final occupancy.

Test Description		MCH-02-A	MCH-03-A	MCH-04-A	MCH-05-A	MCH-06-A	MCH-07-A	MCH-11-A	MCH-12-A	MCH-14-A	MCH-18-A	
Equipment Requiring Testing or Verification	# of Units	Outdoor Air	Single Zone Unitary	Air Distribution Ducts	Economizer Controls	Demand Control Ventilation (DCV)	Supply Fan VAV	Automatic Demand Shed Control	FDD for Packaged DX Units	Distributed Energy Storage DX AC Systems	Energy Management Control System	Test Performed By:
CU-1/2 & FCU-1/2	2	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	Contractor
CU-3/4 & FCU-3/4	2	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	Contractor
		☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	Contractor

Add Row Remove Last

STATE OF CALIFORNIA
REQUIRED ACCEPTANCE TESTS
CEC-NRCC-MCH-04-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-04-E
Required Acceptance Tests	Page of
Project Name: Palomar NEC - Classroom Modulars	Date Prepared: 10/6/17

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: James Del Monaco	Documentation Author Signature:
Company: P2S Engineering, Inc.	Signature Date: 10/6/17
Address: 5000 E. Spring St.	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Long Beach, CA 90815	Phone: 562-497-2999

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: James Del Monaco	Responsible Designer Signature:
Company: P2S Engineering, Inc.	Date Signed: 10/6/17
Address: 5000 E. Spring St.	License: M35128
City/State/Zip: Long Beach, CA 90815	Phone: 562-497-2999

STATE OF CALIFORNIA
REQUIREMENTS FOR PACKAGED SINGLE ZONE UNITS
CEC-NRCC-MCH-05-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-05-E
Requirements for Packaged Single-Zone Units	(Page 1 of 2)
Project Name: Palomar NEC - Classroom Modulars	Date Prepared: 10/6/17

Equipment Tag(s)[1]		CU/FCU-1/2		CU/FCU-3/4			
MANDATORY MEASURES	***T-24 Sections***	***Requirement*[2]**	***As Scheduled*[3]**	***Requirement*[2]**	***As Scheduled*[3]**	***Requirement*[2]**	***As Scheduled*[3]**
Heating Equipment Efficiency[4]	110.1 or 110.2(a)	N/A	N/A	N/A	N/A		
Cooling Equipment Efficiency[4]	110.1 or 110.2(a)	14 SEER	17.6 SEER	14 SEER	20 SEER		
Thermostats[5]	110.2(b), 110.2(c)	Progr. Setback	Progr. Setback	Progr. Setback	Progr. Setback		
Furnace Standby Loss Control[6]	110.2(d)	N/A	N/A	N/A	N/A		
Low Leakage AHU	110.2(f)	N/A	N/A	N/A	N/A		
Ventilation[7]	120.1(b)	N/A	N/A	N/A	N/A		
Demand Control Ventilation[8]	120.1(c)4	N/A	N/A	N/A	N/A		
Occupant Sensor Ventilation Control[8]	120.1(c)5, 120.2(e)3	N/A	N/A	N/A	N/A		
Shutoff and Reset Controls[9]	120.2(e)	Timeclock	Progr. Timeclock	Timeclock	Progr. Timeclock		
Outdoor Air and Exhaust Damper Control	120.2(f)	[illegible]	[illegible]	[illegible]	[illegible]		
Automatic Demand Shed Controls	120.2(h)	N/A	N/A	N/A	N/A		
Economizer FDD	120.2(i)	N/A	N/A	N/A	N/A		
Duct Insulation	120.4	N/A	N/A	N/A	N/A		
PRESCRIPTIVE MEASURES							
Equipment is sized in conformance with 140.4 (a & b)	140.4(a & b)	Yes	Yes	Yes	Yes		
Economizer	140.4(e)	N/A	N/A	N/A	N/A		
Electric Resistance Heating[10]	140.4(g)	N/A	N/A	N/A	N/A		
Duct Leakage Sealing and Testing.[11]	140.4(l)	N/A	N/A	N/A	N/A		

Notes:
1. *Provide equipment tags (e.g. AC1 or AC1 to 10). Multiple units of the same make and model with the same application and accessories can be grouped together.*
2. *Enter the following information as appropriate: Unit Manufacturer; Unit Model Number (including all accessories); Description of the unit (e.g. gas-pack or heat pump; rated heating capacity (enter "N/A" if no heating); and, rated cooling capacity (enter "N/A" if no cooling). For unit capacities include the units (e.g. kBtuh or tons).*
3. *For each requirement, enter the minimum requirement from the Standard in the left column (under "Standard Requirement"). In the right column (under "As Scheduled") enter the value for the units as specified.*
4. *Where there is more than one requirement (e.g. full and part load efficiency) enter both with the appropriate labels (e.g. COP and IEER).*
5. *In the left column identify the thermostatic requirements from the standard (e.g. programmable setback thermostat or heatpump with electric heat), . In the right column indicate the capabilities of the thermostat as scheduled.*
6. *If the unit has a furnace which is rated at ≥ 225,000 Btuh of capacity, indicate the rated standby loss and ignition source (e.g. IID). If there is no furnace or the unit is rated for <225,000 Btuh indicate "N/A".*
7. *In the left column, enter both the required ventilation value from Table 120.1A and for the number of occupants times 15 cfm/person. In the right column enter the actual minimum ventilation as scheduled. If the space is naturally ventilated enter "N/A" in the left column and "the space is naturally ventilated" in the right column.*
8. *If the space is required to have either DCV or Occupant Sensor Ventilation Control indicate "required" in the left column (otherwise indicate "N/A" in the left column). If either DCV or Occupant Sensor Ventilation Control is provided indicate "provided" in the right column (otherwise indicate "N/A" in the right column)*
9. *In the left column indicate the required time controls from the standard. In the right column identify the device that provides this functionality (e.g. EMCS or programmable timeclock).*
10. *Enter N/A if there is no electric heating. If the system has electric heating indicate which exception to 140.4(g) applies.*
11. *If duct leakage sealing and testing is required, a **MCH-04-A** compliance document must be submitted.*

STATE OF CALIFORNIA
REQUIREMENTS FOR PACKAGED SINGLE ZONE UNITS
CEC-NRCC-MCH-05-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-05-E
Requirements for Packaged Single-Zone Units	(Page 2 of 2)
Project Name: Palomar NEC - Classroom Modulars	Date Prepared: 10/6/17

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: James M Del Monaco	Documentation Author Signature:
Company: P2S Engineering, Inc.	Signature Date: 10/6/17
Address: 5000 E. Spring St.	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Long Beach, CA 90815	Phone: 562-497-2999

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: James M Del Monaco	Responsible Designer Signature:
Company: P2S Engineering, Inc.	Date Signed: 10/6/17
Address: 5000 E. Spring St.	License: M35128
City/State/Zip: Long Beach, CA 90815	Phone: 562-497-2999

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

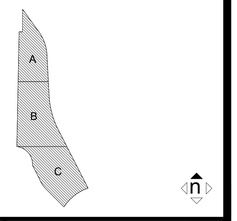
SM

KEY NOTES

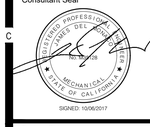
NO.	Note - Detail

NOTES

Key Plan



Consultant Seal



Agency Approval — FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APPL. 04-116581

ACS_____ FLS_____ SSS_____

DATE _____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/06/2017

Drawing Title:
Title 24 Forms

Architect's Seal

Designed:	JDM	Project No.	5015019-102
Drawn:	MU	Scale:	Not To Scale
QAQC	NB	Drawing No.	M7.01
Date:	10/06/2017		

PZS No. 8887

PLEASE RECYCLE

DSA SUBMITTAL

ABBREVIATIONS

A	AMPERE (AMPS)
AC	ALTERNATING CURRENT
AF	AMPS-FRAME (RATING)
AIC	AMP INTERRUPTING CURRENT
AM	AMMETER
AS	AMP SWITCH (FUSED SWITCH RATING)
AT	AMPS-TRIP (RATING)
AWG	AMERICAN WIRE GAUGE
BC	BARE COPPER
BLDG	BUILDING
C	CONDUIT
CB	CIRCUIT BREAKER
CO	CONDUIT ONLY
CT	CURRENT TRANSFORMER
CU	COPPER
CFCI	CONTRACTOR FURNISHED OWNER INSTALLED
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
DPDT	DOUBLE POLE DOUBLE THROW
DPST	DOUBLE POLE SINGLE THROW
DWG	DRAWING
EX	EXISTING
FLA	FULL LOAD AMPS
FVR	FULL VOLTAGE REVERSING
FVNR	FULL VOLTAGE NON-REVERSING
GFI	GROUND FAULT INTERRUPTER
GRD/GND	GROUND
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
HZ	HERTZ
KW	KILOWATT
LCL	LONG CONTINUOUS LOAD
LRA	LOCKED ROTOR AMPS
LTG	LIGHTING
MCA	MINIMUM CIRCUIT AMPACITY
MCC	MOTOR CONTROL CENTER
MCM (KCM)	THOUSAND CIRCULAR MILS
MECH	MECHANICAL
NC	NORMALLY CLOSED
NF	NON-FUSED
NO	NORMALLY OPEN/NUMBER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
P	POLE
PH	PHASE
POC	POINT OF CONNECTION
PRS	PVC COATED RIGID STEEL (CONDUIT)
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE DUCT
SWBD	SWITCHBOARD
TYP	TYPICAL
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
V	VOLT
VA	VOLTAMPERES
VM	VOLTMETER
VL	VERIFY LOCATION
W	WIREWATTS
WP	WEATHERPROOF (NEMA TYPE 3R)
WT	WATERTIGHT
XP	EXPLOSION PROOF (RATED FOR AREA HAZARD)

ELECTRICAL SYMBOL LEGEND

LIGHTING

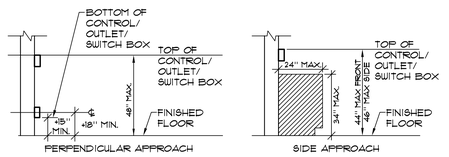
- (A) — LIGHTING FIXTURE DESIGNATION
- O O-H — LIGHTING FIXTURE, CEILING OR WALL MOUNTED AS SHOWN.
- FLUORESCENT LIGHT FIXTURE
- LIGHTING FIXTURE ON EMERGENCY CIRCUIT (LIFE SAFETY BRANCH OR BATTERY PACK).
- EXIT SIGN WITH DIRECTION ARROWS AS INDICATED. SHADED QUADRANT INDICATES FACE.
- b b — EMERGENCY LIGHTING UNIT, WALL MOUNTED 12" BELOW CEILING (U.O.N.) LETTER INDICATES CIRCUIT CONTROLLED. SEE DETAIL
- FLUORESCENT STRIP LIGHT
- S_a — SINGLE POLE SWITCH, SUBSCRIPT WHEN SHOWN INDICATES FIXTURES CONTROLLED +48" A.F.F. (U.O.N.) HEIGHT PER DETAILS */E1.Ø, WHERE USED IN CONJUCTION WITH OCCUPANCY SENSORS FOR SWITCH TYPE SEE DETAIL.
- S_3 — THREE-WAY SWITCH +48" A.F.F. (U.O.N.) HEIGHT PER DETAILS */E1.Ø
- S_4 — FOUR-WAY SWITCH +48" A.F.F. (U.O.N.) HEIGHT PER DETAILS */E1.Ø
- S_{PL} — SWITCH WITH PILOT LIGHT +48" A.F.F. (U.O.N.) HEIGHT PER DETAILS */E1.Ø
- S_2 — DOUBLE POLE SWITCH +48" A.F.F. (U.O.N.) HEIGHT PER DETAILS */E1.Ø
- S_{WP} — WEATHER PROOF SWITCH +48" A.F.F. (U.O.N.) HEIGHT PER DETAILS */E1.Ø
- S_K — KEY OPERATED SWITCH +48" A.F.F. (U.O.N.) HEIGHT PER DETAILS */E1.Ø
- SURFACE MOUNTED TRACK LIGHTING FIXTURES
- EXTERIOR SITE LIGHTING FIXTURE AND POLE
- EXTERIOR DECORATIVE SITE LIGHTING FIXTURE AND POLE
- LANDSCAPE LIGHTING FIXTURE
- SPORTSLIGHTING FIXTURES AND POLES
- H(B)ab — WALL MOUNTED OCCUPANCY SENSOR LIGHTING CONTROL +48" A.F.F. (U.O.N.) HEIGHT PER DETAILS */E1.Ø
- (B)ab — CEILING MOUNTED (CORNER OF THE ROOM) OCCUPANCY SENSOR LIGHTING CONTROL
- (B) — CEILING MOUNTED OCCUPANCY SENSOR LIGHTING CONTROL
- S_{LV} — LOW VOLTAGE LIGHT SWITCH. HEIGHT PER DETAILS */E1.Ø
- DIGITAL LIGHTING CONTROL TYPICAL ROOM REQUIREMENTS.
- NUMBERED DEVICES ARE ADDITIONAL ITEMS SHOWN ON FLOOR PLAN IN ADDITION TO WHAT IS REQUIRED FOR THE TYPICAL ROOM REQUIREMENTS.

DISTRIBUTION EQUIPMENT

- DRAW OUT TYPE EQUIPMENT
- VACUUM CIRCUIT BREAKER, RATING AS NOTED.
- AIR INTERRUPTER SWITCH AND FUSE
- AIR INTERRUPTER
- FUSE
- POWER TRANSFORMER, RATING AS NOTED
- POWER CIRCUIT BREAKER DRAWOUT
- AUTOMATIC TRANSFER SWITCH. SEE SCHEDULE
- (A) — AMMETER
- (V) — VOLTMETER
- CIRCUIT BREAKER
  - 200AF — 200AMP FRAME
  - 200AT — 200AMP TRIP
  - 3P — 3 POLE
  - 10000AIC — 10000 AMPS INTERRUPTING CURRENT
- FUSED SWITCH
  - 200AS — 200AMP SWITCH
  - 200AF — 200AMP FUSE
  - 3P — 3 POLE
- (M) — UTILITY COMPANY METER

SYMBOL LEGEND

- POINT OF INTERCEPTION



NOTE: MAINTAIN MINIMUM 30"X48" CLEAR FLOOR SPACE AT EACH APPROACH.

MOUNTING HEIGHT OVER OBSTRUCTION — 1 / E1.Ø

NO SCALE

POWER CONTINUED

- DUPLEX RECEPTACLE, FLOOR MOUNTED
- DUPLEX RECEPTACLE, WALL MOUNTED, +18" A.F.F. (U.O.N.)
- HORZ. — RECEPTACLE, WALL MOUNTED HORIZONTALLY, +18" A.F.F. (U.O.N.)
- FOURPLEX RECEPTACLE, WALL MOUNTED, +18" A.F.F. (U.O.N.)
- RECEPTACLE MOUNTED +6" ABOVE COUNTER BACKSPLASH SEE ARCHITECTURAL PLANS FOR REQUIRED MOUNTING HEIGHT PRIOR TO ROUGH-IN.
- LCD — PROVIDE (2) DUPLEX RECEPTACLE CEILING MOUNTED LOCATE ADJACENT TO PROJECTOR. FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
- SINGLE RECEPTACLE, WALL MOUNTED +18" A.F.F. (U.O.N.)
- C — SINGLE RECEPTACLE (CLOCK HANGER TYPE) WALL MOUNTED +7'-Ø" A.F.F. (U.O.N.)
- SWITCH CONTROLLED DUPLEX RECEPTACLE +18" U.O.N.
- GFI — DUPLEX GROUND FAULT INTERRUPTING RECEPTACLE +18" A.F.F. (U.O.N.)
- DUPLEX RECEPTACLE ON EMERGENCY CIRCUIT +18" A.F.F. (U.O.N.)
- WP — DUPLEX RECEPTACLE IN WEATHERPROOF ENCLOSURE +18" A.F.F. (U.O.N.)
- WP/L — DUPLEX RECEPTACLE IN WEATHERPROOF "LOCKING" ENCLOSURE +18" A.F.F. (U.O.N.) (SEE TYPICAL DETAILS E3 SERIES SHEETS AND SPECIFICATIONS FOR REQUIRED TYPE).
- IG — DUPLEX RECEPTACLE (ORANGE) ISOLATED GROUND WALL MOUNTED +18" A.F.F. (U.O.N.)
- IG — FOURPLEX RECEPTACLE (ORANGE) ISOLATED GROUND WALL MOUNTED +18" A.F.F. (U.O.N.)
- TP — DUPLEX RECEPTACLE SAFETY TYPE / TAMPER PROOF WALL MOUNTED +18" A.F.F. (U.O.N.)
- DUPLEX COMPUTER RECEPTACLE (GREY), WALL MOUNTED +18" A.F.F. (U.O.N.)
- DUPLEX COMPUTER RECEPTACLE (BLUE) ISOLATED GROUND, SURGE SUPPRESSION, WALL MOUNTED +18" A.F.F. (U.O.N.)
- A — SINGLE RECEPTACLE 30 AMP, 250V, 4W, GROUNDING, WALL MOUNTED +18" A.F.F. (U.O.N.). FIELD VERIFY EXACT OUTLET CONFIGURATION WITH EQUIPMENT PRIOR TO ROUGH-IN.
- B — SINGLE RECEPTACLE 50 AMP, 250V, 4W, GROUNDING, WALL MOUNTED +18" A.F.F. (U.O.N.). FIELD VERIFY EXACT OUTLET CONFIGURATION WITH EQUIPMENT PRIOR TO ROUGH-IN.
- C — SINGLE RECEPTACLE 50 AMP, 250V, 3W, GROUNDING, WALL MOUNTED +18" A.F.F. (U.O.N.). FIELD VERIFY EXACT OUTLET CONFIGURATION WITH EQUIPMENT PRIOR TO ROUGH-IN.
- E — SINGLE RECEPTACLE 30 AMP, 125V, 3W, GROUNDING, WALL MOUNTED +18" A.F.F. (U.O.N.). FIELD VERIFY EXACT OUTLET CONFIGURATION WITH EQUIPMENT PRIOR TO ROUGH-IN.
- F — SINGLE RECEPTACLE 30 AMP, 250V, 3W, GROUNDING, WALL MOUNTED +18" A.F.F. (U.O.N.). FIELD VERIFY EXACT OUTLET CONFIGURATION WITH EQUIPMENT PRIOR TO ROUGH-IN.
- G — SINGLE RECEPTACLE 30 AMP, 250V, 5W, GROUNDING, WALL MOUNTED +18" A.F.F. (U.O.N.). FIELD VERIFY EXACT OUTLET CONFIGURATION WITH EQUIPMENT PRIOR TO ROUGH-IN.
- H — SINGLE RECEPTACLE 30 AMP, 480V, 3W, GROUNDING, WALL MOUNTED +18" A.F.F. (U.O.N.). FIELD VERIFY EXACT OUTLET CONFIGURATION WITH EQUIPMENT PRIOR TO ROUGH-IN.
- J — SINGLE RECEPTACLE 20 AMP, 250V, 5W, GROUNDING, WALL MOUNTED +18" A.F.F. (U.O.N.). FIELD VERIFY EXACT OUTLET CONFIGURATION WITH EQUIPMENT PRIOR TO ROUGH-IN.
- K — SPECIAL PURPOSES KITCHEN EQUIPMENT RECEPTACLE. SEE KITCHEN PLANS FOR EXACT TYPE. FIELD VERIFY EXACT OUTLET CONFIGURATION WITH EQUIPMENT SUPPLIER PRIOR TO ORDERING. SEE KITCHEN PLANS FOR EXACT MOUNTING HEIGHT.
- FP — DUPLEX RECEPTACLE, WALL MOUNTED ADJACENT TO FLAT PANEL OUTLET, SEE SIGNAL PLAN FOR EXACT LOCATION.
- LV — RECEPTACLE MOUNTED ABOVE CEILING FOR LOW VOLTAGE LIGHTING CONTROL (VL)
- TP — DUPLEX RECEPTACLE SAFETY TYPE / TAMPER PROOF WALL MOUNTED +18" A.F.F. (U.O.N.)
- MULTI-OUTLET ASSEMBLY, "WIREMOLD" G-3000 SERIES WITH 20AMP DUPLEX RECEPTACLES ON 18" CENTERS, RECEPTACLES TO BE ALTERNATELY WIRED AND INSULATED GROUNDING CONDUCTOR PROVIDED TO EACH
- JUNCTION BOX, FLOOR MOUNTED
- J JH — JUNCTION BOX, CEILING OR WALL MOUNTED
- HD H — HAND DRYER CONNECTION, SEE ARCHITECTURAL FOR MOUTNING HEIGHT.
- FUSED DISCONNECT SWITCH, WHERE SHOWN NF = NON-FUSED.
- S_M — MANUAL MOTOR STARTER +48" A.F.F. OR ON EQUIPMENT (U.O.N.)
- 1 — MOTOR CONNECTION, NUMERAL INDICATES HORSEPOWER
- AC 1 — MECHANICAL EQUIPMENT TAG (SEE MECHANICAL DRAWINGS FOR DESCRIPTION)
- CONDUIT AND WIRE, CONCEALED IN CEILING OR WALL
- CONDUIT AND WIRE, CONCEALED IN OR UNDER FINISHED FLOOR OR UNDER FINISHED GRADE.
- FLEXIBLE CONDUIT CONNECTION
- BRANCH CIRCUIT HOMERUN TO PANEL. SLASHES INDICATE NUMBER OF CONDUCTORS. EQUIPMENT GROUND WIRE NOT INDICATED U.O.N. #2 CONDUCTORS ARE MINIMUM, NO HASH MARKS = MIN (2) #2
- 3/4" CONDUIT STUBBED FROM DEVICE TO ABOVE ACCESSIBLE CEILING
- #8 — BRANCH CIRCUIT HOMERUN, NUMBER INDICATES INCREASED CONDUCTOR SIZE, CONDUCTORS SHALL REMAIN AS INDICATED FOR SIZE THROUGHOUT THE ENTIRE CIRCUIT.
- PANELBOARD, SURFACE MOUNTED.
- PANELBOARD, RECESSED
- T — STEP-DOWN TRANSFORMER
- DISTRIBUTION SWITCHBOARD
- SR — SURFACE MOUNTED RACEWAY SINGLE SECTION SERIES, NON METALLIC (WHITE)
- SR 2 — SURFACE MOUNTED RACEWAY TWO SECTION SERIES, NON METALLIC (WHITE)
- SR 3 — SURFACE MOUNTED RACEWAY THREE SECTION SERIES, NON METALLIC (WHITE)

GENERAL PROJECT NOTES:

1. UNLESS WHERE OTHERWISE NOTED, ALL WORK INDICATED ON THESE DRAWINGS SHALL BE CONSIDERED NEW WORK.
2. UNLESS WHERE OTHERWISE NOTED, ALL DIMENSIONS ARE TO BE CENTERLINE OF THE DEVICE.
3. "GENERAL NOTES" SHOWN ON AN INDIVIDUAL DRAWING APPLY TO ALL WORK SHOWN ON THAT SHEET. "KEY NOTES" ONLY APPLY TO SPECIFIC ITEMS WHERE ANNOTATED AT SPECIFIC LOCATIONS. SOME KEY NOTES MAY NOT APPLY TO ANY SPECIFIC ITEMS.
4. UNLESS SPECIFICALLY SHOWN ON THESE PLANS, NO STRUCTURAL MEMBER SHALL BE CUT, NEITHER DRILLED NOR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT.

MEP COMPONENT ANCHORAGE NOTE:

ALL ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2016 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.5.6, 13.6.7, 13.6.8, AND 2016 CBC, SECTIONS 1616A.1.23, 1616A.1.24 AND 1616A.1.25 AND 1616A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (e.g. SMACNA OR OSHPD OPM), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEM (E)

MP☐MD☐PP☐E☒ - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP☐MD☐PP☐E☐ - OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVED (OPM) *

MP☐MD☐PP☐ - OPTION 3: SHALL COMPLY WITH THE SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION (2009), INCLUDING ANY ADDENDA. FASTENERS AND OTHER ATTACHMENTS NOT SPECIFICALLY IDENTIFIED IN THE SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION, ARE DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPACIFIC NOTES AND DETAILS. THE DETAILS SHALL ACCOUNT FOR THE APPLICABLE SEISMIC HAZARD LEVEL_____ AND CONNECTION LEVEL_____ FOR THE PROJECT AND CONDITIONS.

FIRE RATED ASSEMBLIES NOTE:

1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT DESCRIPTION AND DETAIL OF ALL FIRE RATED ASSEMBLIES.

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

KEYNOTES

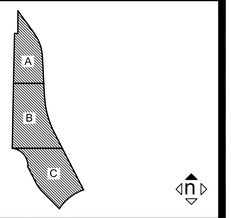
NOTES

JOHNSON CONSULTING ENGINEERS, INC.
Power | Lighting | Multimedia
Communications | Data Networking
12875 Brookprinter Place, Suite 300
Poway, CA 92064
P 858.679.4030 | F 858.513.0559
www.jce-inc.com

REGISTERED PROFESSIONAL ENGINEER — No. E 14781 — Exp. 6-30-2019 — ELECTRICAL — STATE OF CALIFORNIA

#17057.Ø3 — 10/4/2017

Key Plan



Consultant Seal

Agency Approval — FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS____ FLS____ SSS____
DATE____

Project Title

PALOMAR COLLEGE — Learning for Success

Palomar North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/6/2017

Drawing Title:
ELECTRICAL LEGEND & NOTES

Architect's Seal

LICENSED ARCHITECT — BRANDON E. GLASER — NO. C-32437 — REN. 02-28-19 — STATE OF CALIFORNIA

Designed:	JF	Project No.	5015019-102
Drawn:	AO	Scale:	
QAQC	RG	Drawing No.	E1.0
Date:	10/6/2017		

PLEASE RECYCLE

DSA SUBMITTAL

STATE OF CALIFORNIA

OUTDOOR LIGHTING

CEC-NRCC-LTO-01-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 1 of 4)
Project Name: PALOMAR COLLEGE - NORTH EDUCATION CENTER INTERIM VILLAGE	Date Prepared: 10/3/2017

A. General Information

Project Address: 35090 HORSE RANCH CREEK ROAD, FALLBROOK, CA 92028

Total Illuminated Hardscape Area: 4534

Phase of Construction: ☐ New Construction ☐ Addition ☑ Alteration

Outdoor Lighting Zone (LZ) ☐ LZ-1 ☐ LZ-2 ☑ LZ-3 ☐ LZ-4

I have confirmed with the AHJ which LZ applies to this site. For default lighting zone designations, see Title 24 Part 6, §10-114

B. Lighting Compliance Documents (check box for each document included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.

☑	NRCC-LTO-01-E	Certificate of Compliance
☑	NRCC-LTO-02-E	Outdoor Lighting Controls Certificate of Compliance
☑	NRCC-LTO-03-E	Outdoor Lighting Power Allowance Certificate of Compliance
☐	NRCC-LTO-04-E	Outdoor Lighting Existing Conditions Certificate of Compliance

C. Summary of Allowed Outdoor Lighting Power		Watts
01	**Sum Total ALLOWED** Outdoor Lighting Wattage from NRCC-LTO-03-E, page 1 Alterations with NO increase of connected lighting load may instead use the allowed wattage from NRCC-LTO-04, page 2.	1001.31
	Complies ONLY if **Installed** (Box 02) ≤ **Allowed** (Box 01)	
02	**Sum Total INSTALLED** Outdoor Lighting Wattage from NRCC-LTO-01-E, page 3.	658

D. Declaration of Required Installation Certificates

Declare by checking all Installation Certificates that will be submitted. (Retain copies and verify compliance documents are completed and signed.)

☐ NRCI-LTO-01-E - Must be submitted for all buildings	☐ Field Inspector
☐ NRCI-LTO-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐ Field Inspector

E. Declaration of Required Certificates of Acceptance

Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify compliance documents are completed and signed.)

☐ NRCA-LTO-02-A - Must be submitted for outdoor lighting controls.	☐ Field Inspector

F. Schedule of Luminaires Exempt from the Outdoor Lighting Power Requirements in §140.7

01	02
Name or Symbol	Description of exempt luminaire in accordance with the exemptions

---

STATE OF CALIFORNIA

OUTDOOR LIGHTING

CEC-NRCC-LTO-01-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 2 of 4)
Project Name: PALOMAR COLLEGE - NORTH EDUCATION CENTER INTERIM VILLAGE	Date Prepared: 10/3/2017

G. Schedule of Luminaires Exempt from the Cutoff Requirements in §130.2(b)

01	02
Name or Symbol	Description of exempt luminaire in accordance with the exemptions
W	EACH LED HEAD IS LESS THAN 150W

H. Schedule of Luminaires Exempt from the Outdoor Lighting Control Requirements in §130.2(c)

01	02
Name or Symbol	Description of exempt luminaire in accordance with the exemptions

---

STATE OF CALIFORNIA

OUTDOOR LIGHTING

CEC-NRCC-LTO-01-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 3 of 4)
Project Name: PALOMAR COLLEGE - NORTH EDUCATION CENTER INTERIM VILLAGE	Date Prepared: 10/3/2017

I. Outdoor Lighting Schedule and Field Inspection Energy Checklist

Luminaire Schedule		Installed Watts					Location	Cutoff	Field Inspector	
01	02	03	04		05	06	07	08	09	
			How wattage was determined							
Name or Item Tag	Complete Luminaire Description	Watts per Luminaire	CEC Default from NA8	According to §130.0(c)	Number of Luminaires	Total Installed Watts in this area (03 x 05)	Primary Function area in which these luminaires are installed (Outdoor Lighting Zone)	BUG Rating	Pass	Fail
			☐	☐		0	PARKING LOT LIGHT	UH: UL: FVH: BVH: FH: BH:	○	○
			☐	☐		0	WALKWAY LIGHT	UH: UL: FVH: BVH: FH: BH:	○	○
W	47W WALL PACKS	47	☐	☑	14	658	WALL PACKS	UH: UL: FVH: BVH: FH: BH:	○	○
					INSTALLED WATTS PAGE TOTAL:	658	Enter sum total of all pages (**Sum Total INSTALLED** Outdoor lighting wattage) into NRCC-LTO-01-E; Page 1		658	

STATE OF CALIFORNIA

OUTDOOR LIGHTING

CEC-NRCC-LTO-01-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 4 of 4)
Project Name: PALOMAR COLLEGE - NORTH EDUCATION CENTER INTERIM VILLAGE	Date Prepared: 10/3/2017

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Monica Hansen	Documentation Author Signature:
Company: Johnson Consulting Engineers	Signature Date: 10/3/2017
Address: 12875 Brookprinter Place, Suite 300	CEA Certification Identification (if applicable):
City/State/Zip: Poway, CA 92064	Phone: 858-679-4030

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Monica Hansen	Responsible Designer Signature:
Company: Johnson Consulting Engineers	Date Signed: 10/3/2017
Address: 12875 Brookprinter Place, Suite 300	License: E14781
City/State/Zip: Poway, CA 92064	Phone: 858-679-4030

STATE OF CALIFORNIA

OUTDOOR LIGHTING CONTROLS

CEC-NRCC-LTO-02-E (Revised 08/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-02-E
Outdoor Lighting Controls	(Page 1 of 3)
Project Name: PALOMAR COLLEGE - NORTH EDUCATION CENTER INTERIM VILLAGE	Date Prepared: 10/3/2017

A. Mandatory Outdoor Lighting Control Declaration Statements

Check all that apply:

- ☑ Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with §110.9(a).
- ☑ Lighting shall be controlled by a lighting control system or energy management control system in accordance with §110.9. An Installation Certificate shall be submitted in accordance with §130.4(b).
- ☑ All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with §130.0(d).
- ☐ Part-Night Outdoor Lighting Controls, as defined in Section 100.1(b), shall meet the requirements in Section 110.9(b)5.
- ☐ All outdoor incandescent luminaires rated over 100 watts, determined in accordance with Section 130.0(c), shall be controlled by a motion sensor.
- ☐ All outdoor luminaires rated for use with lamps greater than 150 lamp watts, determined in accordance with Section 130.0(c), shall comply with Uplight and Glare requirements in accordance with Section 130.2(b)
- ☑ All installed outdoor lighting shall be controlled by a photocontrol or outdoor astronomical time-switch control, or other control capable of automatically switching OFF in accordance with Section 130.2(c)1.
- ☑ All installed outdoor lighting shall be circuited and independently controlled from other electrical loads by an automatic scheduling control in accordance with Section 130.2(c)2.
- ☑ All installed outdoor lighting, where the bottom of the luminaire is mounted 24 feet or less above the ground, shall be controlled with automatic lighting controls in accordance with Section 130.2(c)3.
- ☐ For Outdoor Sales Frontage, an automatic lighting control shall be installed in accordance with Section 130.2(c)4.
- ☐ For Building Facade, Ornamental Hardscape and Outdoor Dining lighting, an automatic lighting control shall be installed in accordance with Section 130.2(c)5
- ☐ Before an occupancy permit is granted for the newly constructed building or for the addition, or for any altered outdoor lighting controls, shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with §130.4.(a). Outdoor lighting controls shall comply with the applicable requirements of Section 130.2(c) and Reference Nonresidential Appendix NA7.8.

STATE OF CALIFORNIA

OUTDOOR LIGHTING CONTROLS

CEC-NRCC-LTO-02-E (Revised 08/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-02-E
Outdoor Lighting Controls	(Page 2 of 3)
Project Name: PALOMAR COLLEGE - NORTH EDUCATION CENTER INTERIM VILLAGE	Date Prepared: 10/3/2017

B. Mandatory Outdoor Lighting Control Schedule and Field Inspection Checklist

Outdoor Lighting Control Schedule			Standards Complying With (✓ all that apply, or leave empty if Exempted)						✓ if Acceptance Test Required	Field Inspector	
01	02	03	04	05	06	07	08	09	10	11	
Location and Application of Luminaires Being Controlled	Type/ Description of Lighting Control (i.e. outdoor motion sensor, outdoor photocontrol, outdoor astronomical time-switch control, automatic scheduling control, part-night outdoor lighting control)	# of Units	§130.2(a)	§130.2(c)1	§130.2(c)2	§130.2(c)3	§130.2(c)4	§130.2(c)5		Pass	Fail
WALKWAY LIGHT	MOTION SENSOR	14				•			☐	○	○
WALKWAY LIGHT	TIME CLOCK	1			•				☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○

STATE OF CALIFORNIA

OUTDOOR LIGHTING CONTROLS

CEC-NRCC-LTO-02-E (Revised 08/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-02-E
Outdoor Lighting Controls	(Page 3 of 3)
Project Name: PALOMAR COLLEGE - NORTH EDUCATION CENTER INTERIM VILLAGE	Date Prepared: 10/3/2017

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Monica Hansen	Documentation Author Signature:
Company: Johnson Consulting Engineers	Signature Date: 10/3/2017
Address: 12875 Brookprinter Place, Suite 300	CEA Certification Identification (if applicable):
City/State/Zip: Poway, CA 92064	Phone: 858-679-4030

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Monica Hansen	Responsible Designer Signature:
Company: Johnson Consulting Engneers	Date Signed: 10/3/2017
Address: 12875 Brookprinter Place, Suite 300	License: E14781
City/State/Zip: Poway, CA 92064	Phone: 858-679-4030

STATE OF CALIFORNIA

OUTDOOR LIGHTING POWER ALLOWANCES

CEC-NRCC-LTO-03-E (Revised 01/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-03-E
Outdoor Lighting Power Allowances	(Page 1 of 4)
Project Name: PALOMAR COLLEGE - NORTH EDUCATION CENTER INTERIM VILLAGE	Date Prepared: 10/3/2017

A. OUTDOOR LIGHTING POWER ALLOWANCE SUMMARY

1. General Hardscape Lighting Power Allowance (Site Total from Section B of NRCC-LTO-03-E) — 1. 901.31

2. Additional Specific "use it or lose it" Lighting Power Allowances listed in each of these cells shall be identical to total allowed watts determined in Section C-1 to C-4 of NRCC-LTO-03-E.

PER APPLICATION from Section C-1		PER UNIT LENGTH (SALES FRONTAGE) from Section C-2		PER HARDSCAPE AREA (ORNAMENTAL LIGHTING) from Section C-3		PER SPECIFIC AREA from Section C-4.		
0	+	0	+	0	+	0	=	2. 0

3. **Sum Total ALLOWED** Outdoor Lighting Wattage (add rows 1 and 2) — 3. 901.31

B. GENERAL HARDSCAPE LIGHTING POWER ALLOWANCE FROM TABLE 140.7-A

Area Wattage Allowance (AWA)				Linear Wattage Allowance (LWA)			Initial Wattage Allowance (IWA)	Total General Hardscape Lighting Allowance
01	02	03	04	05	06	07	08	09
Name of Area	Illuminated Hardscape Area	AWA Per Square Foot	AWA (B02 x B03)	Perimeter Length of General Hardscape	LPA per Linear Foot	LWA (B05 x B06)	IWA (Watts)	B04 + B07 + B08
WALKWAY	4534	0.04	181.36	857	0.35	299.95	420	901.31
			0			0		0
			0			0		0
			0			0		0
			0			0		0
			0			0		0
			0			0		0
			0			0		0
			0			0		0
			0			0		0
			0			0		0
			0			0		0
			0			0		0
			0			0		0
			0			0		0
			0			0		0
							TOTAL	901.31

STATE OF CALIFORNIA

OUTDOOR LIGHTING POWER ALLOWANCES

CEC-NRCC-LTO-03-E (Revised 01/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-03-E
Outdoor Lighting Power Allowances	(Page 2 of 4)
Project Name: PALOMAR COLLEGE - NORTH EDUCATION CENTER INTERIM VILLAGE	Date Prepared: 10/3/2017

C. ADDITIONAL "USE IT OR LOSE IT" OUTDOOR LIGHTING POWER ALLOWANCES FOR SPECIFIC APPLICATIONS

- ☐ The additional specific outdoor lighting power allowance shall be the smaller of the allowed lighting power or the actual lighting power used.
- ☐ Use Outdoor Lighting Zone (OLZ) that is documented on page 1 of NRCC-LTO-01-E to calculate the specific wattage allowances.

C-1. WATTAGE ALLOWANCE PER APPLICATION – Table 140.7-B

- ☐ Available only for qualifying locations, which include Building Entrances or Exits; Primary Entrances to Senior Care Facilities, Police Stations, Hospitals, Fire Stations, and Emergency Vehicle Facilities; Drive Up Windows; Vehicle Service Station Uncovered Fuel Dispenser, ATM Machine Lighting
- ☐ If more than one luminaire type is used per location, use multiple rows for that location

01	02	03	04	05	06	07	08	09	10
	ALLOTTED WATTS			DESIGN WATTS					
Name of Location for Which Allowance is Claimed	Number of Qualifying Locations	Wattage Allowance per Qualifying Location	Allotted Watts (02 x 03)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per Luminaire	Design Watts (07 x 08)	Allowed Watts (smaller of 04 or 09)
			0					0	
			0					0	
			0					0	
			0					0	
								Sum total allowance per application on this site:	0

C-2. WATTAGE ALLOWANCE PER UNIT LENGTH (Sales Frontage) from Table 140.7-B

- ☐ If more than one luminaire type is used per location, use multiple rows for that location

01	02	03	04	05	06	07	08	09	10
	ALLOTTED WATTS			DESIGN WATTS					
Name of Location for Which Allowance is Claimed	Linear Feet of Sales Frontage	Wattage Allowance per Linear Foot	Allotted Watts (02 x 03)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per Luminaire	Design Watts (07 x 08)	Allowed Watts (smaller of 04 or 09)
			0					0	
			0					0	
			0					0	
			0					0	
								Sum total allowance for sales frontage on the site:.	0

STATE OF CALIFORNIA

OUTDOOR LIGHTING POWER ALLOWANCES

CEC-NRCC-LTO-03-E (Revised 01/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-03-E
Outdoor Lighting Power Allowances	(Page 3 of 4)
Project Name: PALOMAR COLLEGE - NORTH EDUCATION CENTER INTERIM VILLAGE	Date Prepared: 10/3/2017

C-3. WATTAGE ALLOWANCE PER SQUARE FOOT OF HARDSCAPE AREA (Ornamental Lighting) – Table 140.7-B

- Allowance for the total site illuminated hardscape area. Luminaires qualifying for this allowance shall be rated for 100 watts or less as determined in accordance with Section 130.0(c), and shall be post-top luminaires, lanterns, pendant luminaires, or chandeliers.
- If more than one luminaire type is used per location, use multiple rows for that location

01	02	03	04	05	06	07	08	09	10
	ALLOTTED WATTS			DESIGN WATTS					
Name of area for which ornamental allowance is claimed	Square Feet of Hardscape	Wattage Allowance per Square Foot	Allotted Watts (02 x 03)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per Luminaire	Design Watts (07 x 08)	Allowed Watts (smaller of 04 or 09)
			0					0	
			0					0	
			0					0	
			0					0	
								Sum total allowance for ornamental lighting on the site:.	0

C-4. WATTAGE ALLOWANCE PER SQUARE FOOT OF SPECIFIC AREA - Table 140.7-B

- Allowances for Building Facades; Outdoor Sales Lots; Vehicle Service Station Hardscape; Vehicle Service Station Canopies; Sales Canopies; Non-sales Canopies; Tunnels; Guard Stations; Student Pick-up/Drop-off zone: Outdoor Dining; Special Security Lighting for Retail Parking and Pedestrian Hardscape.
- If more than one luminaire type is used per location, use multiple rows for that location

01	02	03	04	05	06	07	08	09	10
	ALLOTTED WATTS			DESIGN WATTS					
Name of Location for Which Allowance is Claimed	Illuminated Area of Application	Wattage Allowance per Square Foot	Allotted Watts (02 x 03)	Luminaire Code or Symbol	Luminaire Description	Luminaire Quantity	Watts per Luminaire	Design Watts (07 x 08)	Allowed Watts (smaller of 04 or 09)
			0					0	
			0					0	
			0					0	
			0					0	
								Sum total allowance for specific area on the site:	0

STATE OF CALIFORNIA

OUTDOOR LIGHTING POWER ALLOWANCES

CEC-NRCC-LTO-03-E (Revised 01/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-03-E
Outdoor Lighting Power Allowances	(Page 4 of 4)
Project Name: PALOMAR COLLEGE - NORTH EDUCATION CENTER INTERIM VILLAGE	Date Prepared: 10/3/2017

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Monica Hansen	Documentation Author Signature:
Company: Johnson Consulting Engineers	Signature Date: 10/3/2017
Address: 12875 Brookprinter Place, Suite 300	CEA Certification Identification (if applicable):
City/State/Zip: Poway, CA 92064	Phone: 858-679-4030

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Monica Hansen	Responsible Designer Signature:
Company: Johnson Consulting Engineers	Date Signed: 10/3/2017
Address: 12875 Brookprinter Place, Suite 300	License: E14781
City/State/Zip: Poway, CA 92064	Phone: 858-679-4030

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

KEYNOTES

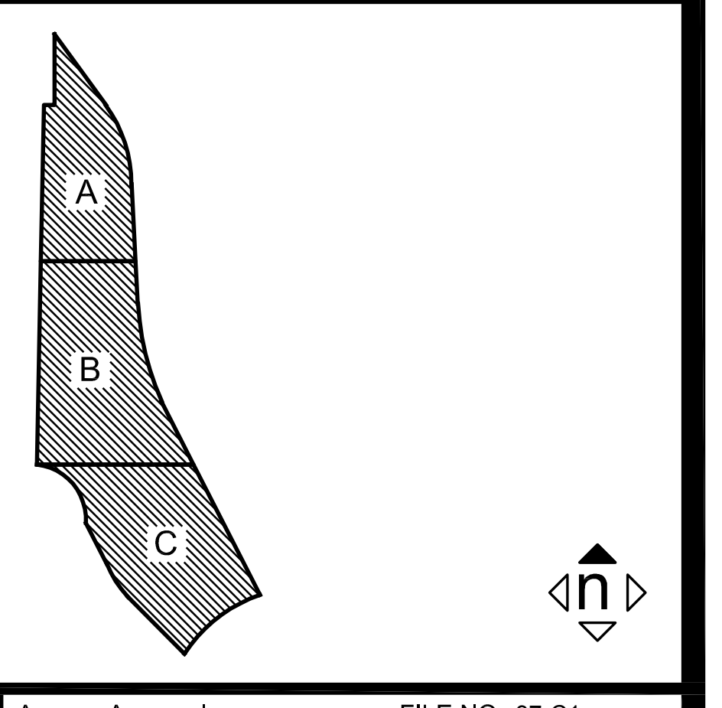
NOTES

MONICA GIESE-HANSEN
No. E 14781
Exp. 6-30-2019
ELECTRICAL

#17057.03 10/3/2017

JOHNSON CONSULTING ENGINEERS, INC.
Power | Lighting | Multimedia
Communications | Data Networking
12875 Brookprinter Place, Suite 300
Poway, CA 92064
P 858.679.4030 | F 858.513.0559
www.jce-inc.com

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS______ FLS______ SSS______
DATE______

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/6/2017

Drawing Title:
TITLE 24
OUTDOOR LIGHTING

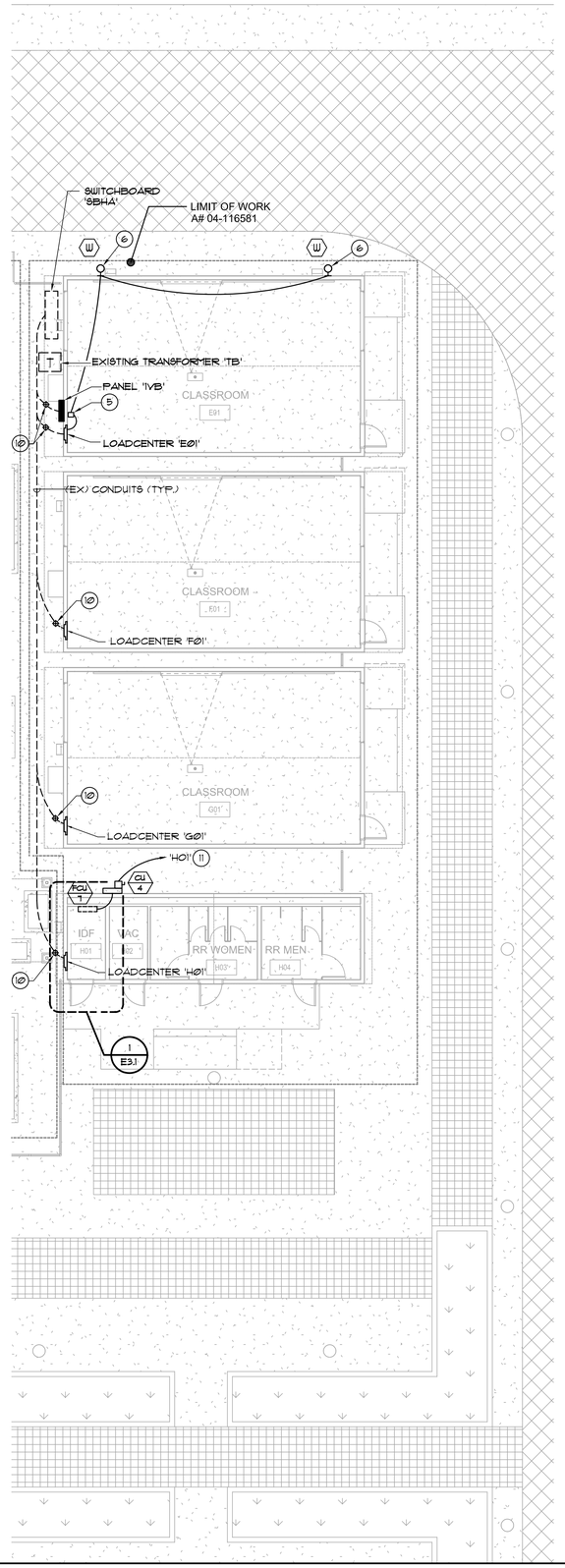
Architect's Seal

BRADLEY E GLASSICK
NO. C-32437
REN. 02-28-19

Designed: JF	Project No. 5015019-102
Drawn: AO	Scale:
QAQC RG	Drawing No. E2.0.0
Date: 10/6/2017	

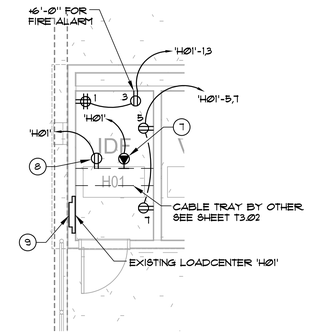
PLEASE RECYCLE

DSA SUBMITTAL



LIGHTING FIXTURE SCHEDULE

Mark	Approved Manufacturer's (See Key Note No.1)	Catalog Series Type (See Key Note No.2)	FIXTURE: Incandescent	Fluorescent	Metal Halide	High pressuresodium	Low pressuresodium	LED	Volts	Lamp Watts / Fixture Watts	LAMP: NO.	Type	MOUNTING: Recessed / Ceiling	Surface/ Ceiling	Wall Recessed / Wall	Pendant	Surface / Wall	Pole	Description
W	EATON INVUE	ENT Series	☐	☐	☐	☐	☐	■	120 208 277 480	- 47		LED	☐	☐	■	☐	☐	☐	MINIMUM 5,000 LUMEN, 4000 KELVIN, 0-10V DIMMING TYPE III DISTRIBUTION, CAST ALUMINUM, DARK BRONZE FINISH. MAXIMUM 16" WIDE x 8" HIGH x 9" DEEP ARCHITECTURAL SHAPE. PROVIDE WITH MOTION SENSOR TO DIM LIGHT DOWN TO 50% WHEN AREA IS NOT OCCUPIED. ☐ Provide emergency ballast Type 'EM' ☐ Provide custom color finish, to be selected at time of submittal ☐ See detail



ENLARGED PLAN - ELECTRICAL
1/4" = 1'-0"
1 / E3.1

INTERIM VILLAGE | 1 | 1/8" = 1'-0"

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

KEYNOTES

KEY NOTES:

1. FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
2. 2 #12 (HOT), 1 #10 (NEUTRAL), 1 #12 (GND), 1/2"C.
3. 3 #12 (HOT), 1 #10 (NEUTRAL), 1 #12 (GND), 1/2"C.
4. 4 #12 (HOT), 2 #10 (NEUTRAL), 1 #12 (GND), 3/4"C.
5. PROVIDE PROGRAMMABLE TIMECLOCK 'TORK' DGLC SERIES MOUNT ABOVE PANEL. PROVIDE 20A/1P BREAKER IN LOAD CENTER AND 2 #12, 1 #12 GND, TO EXTERIOR LIGHTS, CONNECTED VIA TIMECLOCK.
6. MOUNT EXTERIOR LIGHT ON BUILDING EXTERIOR AS HIGH AS POSSIBLE, CONNECT VIA TIMECLOCK.
7. NEMA L14-30R RECEPTACLE MOUNTED ON CABLE TRAY WITH 3/4"C., (3) #10, (1) #10 GND TO PANEL.
8. NEMA L15-20R RECEPTACLE MOUNTED ON CABLE TRAY WITH 3/4"C., (4) #10, (1) #10 GND TO PANEL.
9. PROVIDE (1) 30A/2P, (1) 20A/2P AND (3) 20A/1P BREAKERS IN PANEL 'H01'.
10. INTERCEPT AND EXTEND EXISTING SITE CONDUIT TO LOADCENTER AND INSTALL NEW CONDUCTORS AS REQUIRED.
11. 3/4"C., (3) #10, (1) #10 GND. PROVIDE 30A/2P/3R DISCONNECT ON UNIT AND 30A/2P BREAKER IN PANEL. PROVIDE 3/4"C., (2) #12, (1) #12 GND FROM CU-4 TO FCU-7.

NOTES

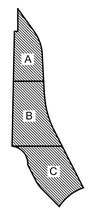
GENERAL NOTES:

1. NUMBERS ADJACENT TO EACH POWER DEVICE INDICATES THE CIRCUIT NUMBER TO WHICH THE DEVICE IS TO BE CONNECTED.
2. CIRCUIT HOMERUNS ARE INDICATED TO SHOW THE LOCATION AND NUMBER OF CIRCUITS TO BE GROUPED TOGETHER.
3. PROVIDE MINIMUM 3/4" CONDUIT AND #12 CIRCUIT CONDUCTORS AS REQUIRED TO CONNECT EACH POWER DEVICE TO THEIR INDICATED CIRCUIT (U.O.N.).
4. FIELD VERIFY EXACT ROUTING LOCATION FOR CONCEALED CONDUITS AND RECEPTACLES PRIOR TO ROUGH-IN.

REGISTERED PROFESSIONAL ENGINEER Matthew Rhine No. E 14781 Exp. 6-30-2019 ELECTRICAL STATE OF CALIFORNIA
#17057.03 10/6/2017

JOHNSON CONSULTING ENGINEERS, INC.
Power | Lighting | Multimedia
Communications | Data Networking
12875 Brookprinter Place, Suite 300
Poway, CA 92064
P 858.679.4030 | F 858.513.0559
www.jce-inc.com

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS____ FLS____ SSS____
DATE____

Project Title
PALOMAR COLLEGE Learning for Success
Palomar North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/6/2017

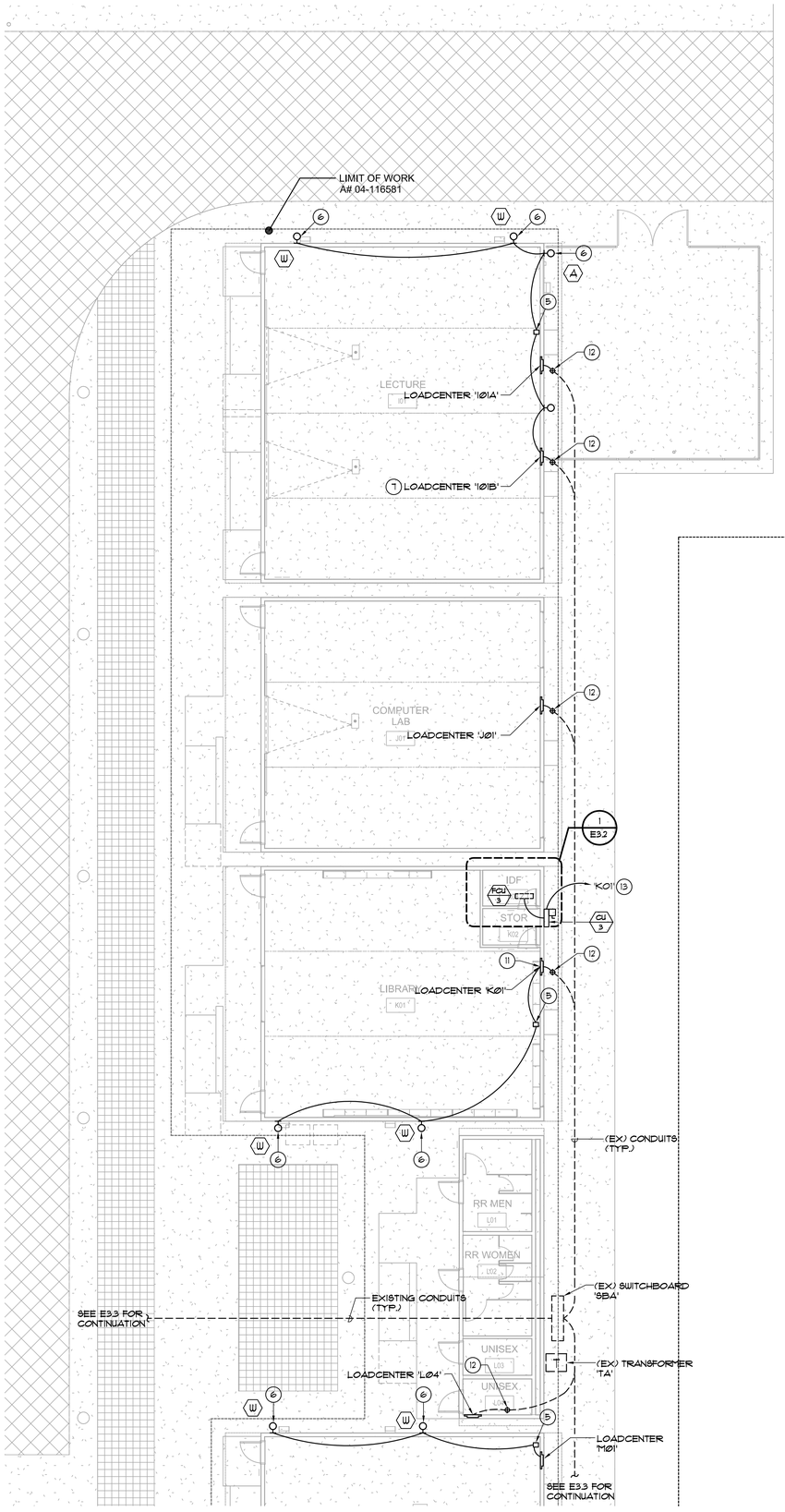
Drawing Title:
FLOOR PLAN - ELECTRICAL

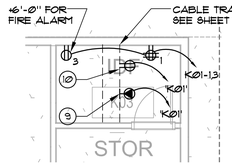
Architect's Seal
REGISTERED ARCHITECT BRADLEY E GLASGOW NO. C-32437 REN. 02-28-19 STATE OF CALIFORNIA

Designed:	JF	Project No.	5015019-102
Drawn:	AO	Scale:	
QAQC	RG	Drawing No.	E3.1
Date:	10/6/2017		

PLEASE RECYCLE

DSA SUBMITTAL





ENLARGED PLAN - ELECTRICAL
1/4" = 1'-0"
1 / E3.2

KEYNOTES

KEY NOTES:

1. FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
2. 2 #12 (HOT), 1 #1Ø (NEUTRAL), 1 #12 (GND), 1/2"C.
3. 3 #12 (HOT), 1 #1Ø (NEUTRAL), 1 #12 (GND), 1/2"C.
4. 4 #12 (HOT), 2 #1Ø (NEUTRAL), 1 #12 (GND), 3/4"C.
5. PROVIDE PROGRAMMABLE TIMECLOCK 'TORK' DGLC SERIES MOUNT ABOVE PANEL. PROVIDE 2ØA/1P BREAKER IN LOAD CENTER AND 2 #12, 1 #12 GND, TO EXTERIOR LIGHTS, CONNECTED VIA TIMECLOCK.
6. MOUNT EXTERIOR LIGHT ON BUILDING EXTERIOR AS HIGH AS POSSIBLE, CONNECT VIA TIMECLOCK.
7. PROVIDE (3) 2ØA/1P BREAKERS IN RELOCATABLE BLDG. PANEL AND CONNECT TO NEW RECEPTACLES.
8. NOT USED.
9. NEMA L14-3ØR RECEPTACLE MOUNTED ON CABLE TRAY WITH 3/4"C., (3) #1Ø, (1) #1Ø GND TO PANEL.
10. NEMA L15-2ØR RECEPTACLE MOUNTED ON CABLE TRAY WITH 3/4"C., (4) #1Ø, (1) #1Ø GND TO PANEL.
11. PROVIDE (1) 3ØA/2P BREAKER AND (1) 2ØA/2P BREAKER IN PANEL 'KØ1'.
12. INTERCEPT AND EXTEND EXISTING SITE CONDUIT TO LOADCENTER AND INSTALL NEW CONDUCTORS AS REQUIRED.
13. 3/4"C., (3) #1Ø, (1) #1Ø GND, PROVIDE 3ØA/2P/3R DISCONNECT ON UNIT AND 3ØA/1P BREAKER IN PANEL. PROVIDE 3/4"C., (2) #2, (1) #1Ø GND FROM CU-3 TO FCU-3.

NOTES

GENERAL NOTES:

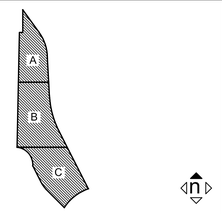
1. NUMBERS ADJACENT TO EACH POWER DEVICE INDICATES THE CIRCUIT NUMBER TO WHICH THE DEVICE IS TO BE CONNECTED.
2. CIRCUIT HOMERUNS ARE INDICATED TO SHOW THE LOCATION AND NUMBER OF CIRCUITS TO BE GROUPED TOGETHER.
3. PROVIDE MINIMUM 3/4" CONDUIT AND #12 CIRCUIT CONDUCTORS AS REQUIRED TO CONNECT EACH POWER DEVICE TO THEIR INDICATED CIRCUIT (U.O.N.).
4. FIELD VERIFY EXACT ROUTING LOCATION FOR CONCEALED CONDUITS AND RECEPTACLES PRIOR TO ROUGH-IN.

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

JOHNSON CONSULTING ENGINEERS, INC.
Power | Lighting | Multimedia
Communications | Data Networking
12875 Brookprinter Place, Suite 300
Poway, CA 92064
P 858.679.4030 | F 858.513.0559
www.jce-inc.com

REGISTERED PROFESSIONAL ENGINEER — No. E 14781 — Exp. 6-30-2019 — ELECTRICAL — STATE OF CALIFORNIA
#17057.03 10/6/2017

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS FLS SSS
DATE

Project Title
PALOMAR COLLEGE Learning for Success
Palomar North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/6/2017

Drawing Title:
FLOOR PLAN - ELECTRICAL

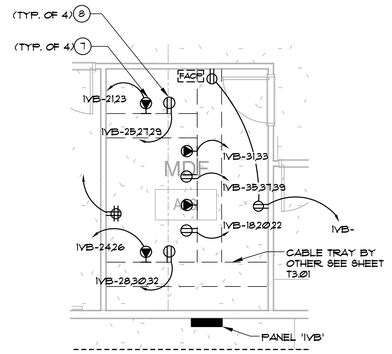
Architect's Seal
REGISTERED ARCHITECT — JEFFREY FLAPAN — NO. C-32437 — REN. 02-28-19 — STATE OF CALIFORNIA

Designed:	JF	Project No.	5015019-102
Drawn:	AO	Scale:	
QAQC	RG	Drawing No.	E3.2
Date:	10/6/2017		

INTERIM VILLAGE | 1
1/8" = 1'-0"

PLEASE RECYCLE

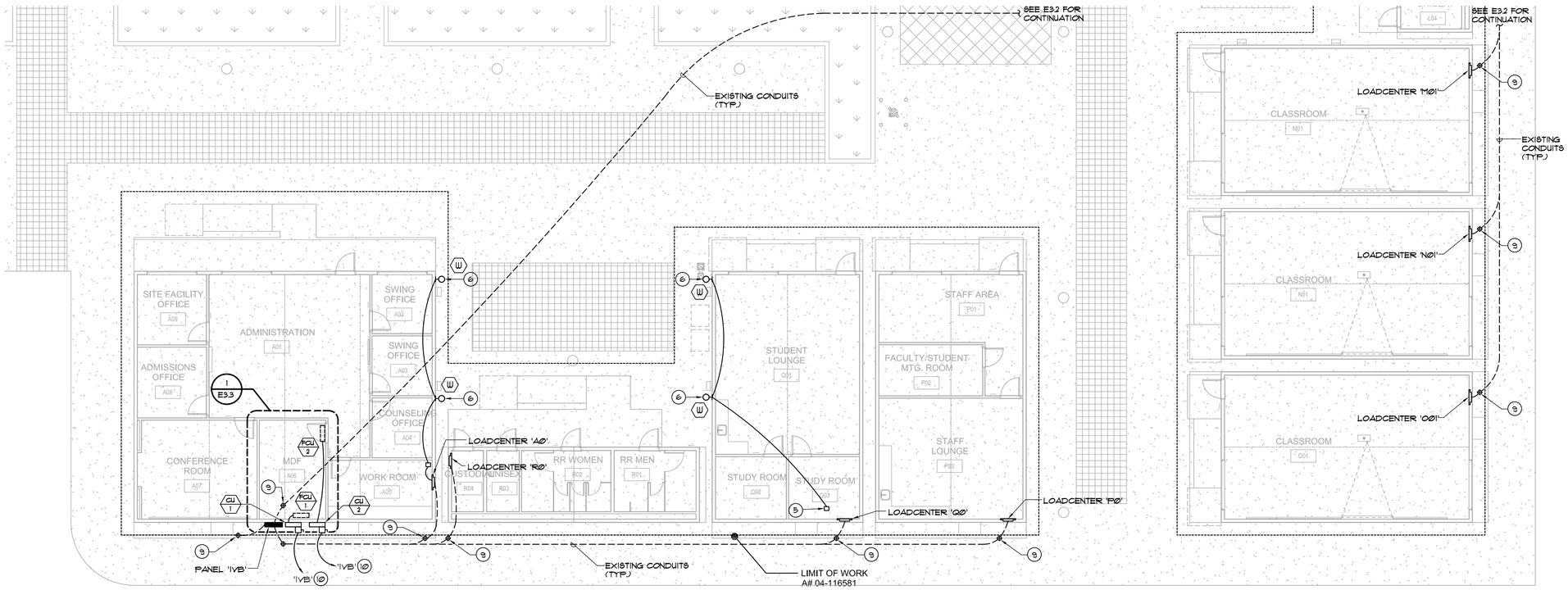
DSA SUBMITTAL



ENLARGED PLAN - ELECTRICAL

1/4" = 1'-0"

1 / E3.3



INTERIM VILLAGE | 1

1/8" = 1'-0"

KEYNOTES

KEY NOTES:

1. FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
2. 2 #12 (HOT), 1 #10 (NEUTRAL), 1 #12 (GND), 1/2"C.
3. 3 #12 (HOT), 1 #10 (NEUTRAL), 1 #12 (GND), 1/2"C.
4. 4 #12 (HOT), 2 #10 (NEUTRAL), 1 #12 (GND), 3/4"C.
5. PROVIDE PROGRAMMABLE TIMECLOCK 'TORK' DGLC SERIES MOUNT ABOVE PANEL. PROVIDE 20A/1P BREAKER IN LOAD CENTER AND 2 #12, 1 #12 GND, TO EXTERIOR LIGHTS, CONNECTED VIA TIMECLOCK.
6. MOUNT EXTERIOR LIGHT ON BUILDING EXTERIOR AS HIGH AS POSSIBLE, CONNECT VIA TIMECLOCK.
7. NEMA L14-30R RECEPTACLE MOUNTED ON CABLE TRAY WITH 3/4"C., (3) #10, (1) #10 GND TO PANEL.
8. NEMA L15-20R RECEPTACLE MOUNTED ON CABLE TRAY WITH 3/4"C., (4) #10, (1) #10 GND TO PANEL.
9. INTERCEPT AND EXTEND EXISTING SITE CONDUIT TO LOADCENTER AND INSTALL NEW CONDUCTORS AS REQUIRED.
10. 3/4"C., (3) #8, (1) #10 GND, PROVIDE 30A/2P/3R DISCONNECT ON UNIT AND 40A/2P BREAKER IN PANEL. PROVIDE 3/4"C., (2) #12, (1) #12 GND FROM CU TO FCU.

NOTES

GENERAL NOTES:

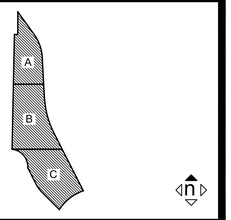
1. NUMBERS ADJACENT TO EACH POWER DEVICE INDICATES THE CIRCUIT NUMBER TO WHICH THE DEVICE IS TO BE CONNECTED.
2. CIRCUIT HOMERUNS ARE INDICATED TO SHOW THE LOCATION AND NUMBER OF CIRCUITS TO BE GROUPED TOGETHER.
3. PROVIDE MINIMUM 3/4" CONDUIT AND #12 CIRCUIT CONDUCTORS AS REQUIRED TO CONNECT EACH POWER DEVICE TO THEIR INDICATED CIRCUIT (U.O.N.).
4. FIELD VERIFY EXACT ROUTING LOCATION FOR CONCEALED CONDUITS AND RECEPTACLES PRIOR TO ROUGH-IN.

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

REGISTERED PROFESSIONAL ENGINEER
No. E 14781
Exp. 6-30-2019
ELECTRICAL
STATE OF CALIFORNIA
#17057.03
10/6/2017

JOHNSON CONSULTING ENGINEERS, INC.
Power | Lighting | Multimedia
Communications | Data Networking
12875 Brookprinter Place, Suite 300
Poway, CA 92064
P 858.679.4030 | F 858.513.0559
www.jce-inc.com

Key Plan



Consultant Seal

Agency Approval — FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS ____ FLS ____ SSS ____
DATE ____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/6/2017

Drawing Title:

FLOOR PLAN - ELECTRICAL

Architect's Seal

REGISTERED ARCHITECT
BRADLEY E GLASGOW
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed:	JF	Project No.	5015019-102
Drawn:	AO	Scale:	
QAQC	RG	Drawing No.	E3.3
Date:	10/6/2017		

PLEASE RECYCLE

DSA SUBMITTAL

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

KEYNOTES

(3M)

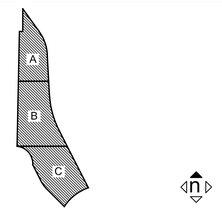
- FACP — MAIN FIRE ALARM CONTROL PANEL
- FA — REMOTE FIRE ALARM POWER EXTENDER
- F — WALL MOUNTED WEATHERPROOF EXTERIOR HORN MOUNTED

NOTES

JOHNSON CONSULTING ENGINEERS, INC.
Power | Lighting | Multimedia
Communications | Data Networking
12875 Brookprinter Place, Suite 300
Poway, CA 92064
P 858.679.4030 | F 858.513.0559
www.jce-inc.com

REGISTERED PROFESSIONAL ENGINEER — MARK E. GRAVES — No. E 14781 — Exp. 6-30-2019 — ELECTRICAL — STATE OF CALIFORNIA
#17057.03 10/5/2017

Key Plan



Consultant Seal

Agency Approval — FILE NO. 37-C1
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS ____ FLS ____ SSS ____
DATE ____

Project Title
PALOMAR COLLEGE
Palomar North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/6/2017

Drawing Title:
INTERIM VILLAGE - SITE PLAN
FIRE ALARM

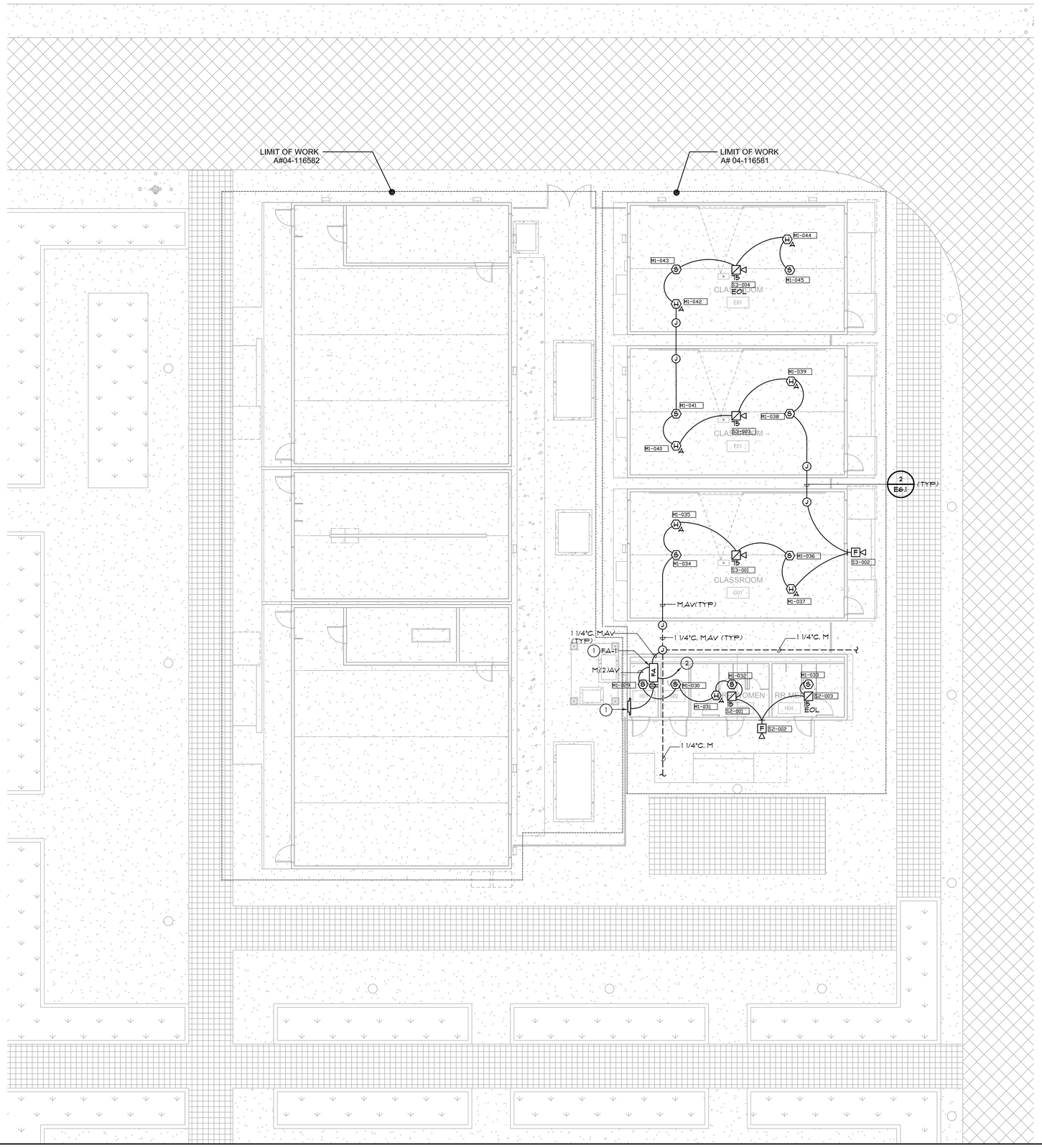
Architect's Seal — LICENSED ARCHITECT — JEFFREY E. GUSTAFSON — NO. C-32437 — REN. 02-28-19 — STATE OF CALIFORNIA

Designed:	JF	Project No.	5015019-102
Drawn:	AO	Scale:	
QAQC	RG	Drawing No.	E4.0
Date:	10/6/2017		

OVERALL SITE PLAN - INTERIM VILLAGE | 1 | 1/16" = 1'-0"

PLEASE RECYCLE

DSA SUBMITTAL



FIRE ALARM SYMBOL LEGENDS

- MANUAL PULL STATION MOUNTED BETWEEN 42" TO 48" A.F.F. TO HIGHEST POINT OF OPERATING HANDLE OR LEVER OF DEVICE.
- 51 / 15 — CEILING MOUNTED FLASHING LIGHT STROBE (15 = STROBE CANDELA RATING) (51 = SIGNAL CIRCUIT IDENTIFICATION)
- 51 / 15 — CEILING MOUNTED COMBINATION HORN/STROBE (15 = STROBE CANDELA RATING) (51 = SIGNAL CIRCUIT IDENTIFICATION)
- 51 — WALL MOUNTED WEATHERPROOF EXTERIOR HORN MOUNTED +90" A.F.F. TO BOTTOM OF DEVICE (51 = SIGNAL CIRCUIT IDENTIFICATION)
- CEILING MOUNTED SMOKE DETECTOR
- CEILING MOUNTED SMOKE DETECTOR / CO DETECTOR WITH SOUNDER BASE
- CEILING MOUNTED HEAT DETECTOR
- HEAT DETECTOR MOUNTED ABOVE CEILING (SEE GENERAL NOTE #6)
- FACP — MAIN FIRE ALARM CONTROL PANEL
- FA — REMOTE FIRE ALARM POWER EXTENDER
- DSM — DUAL SYNC MODULE (SEE RISER DIAGRAM FOR LOCATION)
- R — ADDRESSABLE RELAY MODULE
- M — ADDRESSABLE MONITOR MODULE
- EOL — END OF LINE RESISTOR

FIRE ALARM NOTE:
THIS FIRE ALARM DESIGN IS A COMPLETE PLAN SUBMITTAL IN ACCORDANCE WITH 2010 CBC 907.1.

FULLY AUTOMATIC FIRE ALARM DESIGN:
THIS PROJECT IS DESIGNED TO COMPLY WITH ALL REQUIREMENTS FOR A FULLY PROTECTED AUTOMATIC FIRE ALARM SYSTEM.

KEYNOTES

KEY NOTES:

1. PROVIDE DEDICATED 120 VOLT, 1P, 20 AMP BREAKER TO EXISTING RELO PANEL CONNECT TO "LOCK ON BREAKER".
2. PROVIDE CONNECTION TO "FACP-1",

NOTES

GENERAL NOTES:

1. REFERENCE ARCHITECTURAL INTERIOR ELEVATIONS FOR EXACT LOCATION OF ALL WALL MOUNTED DEVICES.
2. REFERENCE RISER DIAGRAMS FOR TYPICAL CONDUIT SIZES AND INITIATION ZONE CIRCUIT IDENTIFICATIONS.
3. UNLESS OTHERWISE NOTED SOLID LINES BETWEEN DEVICES SHALL BE 3/4" E.M.T. ROUTED CONCEALED ABOVE CEILINGS OR IN WALLS. DASHED LINES INDICATE 3/4" P.V.C. UNDERGROUND CONDUIT. ALL WIRING TO BE PROVIDED PER MANUFACTURER SHOP DRAWINGS.
4. CONTRACTOR SHALL PROVIDE CEILING ACCESS PANEL AT ALL NON-LAYIN TYPE CEILINGS, WHERE HEAT DETECTOR ABOVE CEILING IS INDICATED.

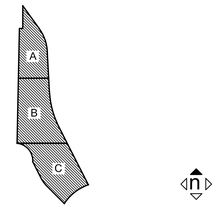
HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

JOHNSON CONSULTING ENGINEERS, INC.
Power | Lighting | Multimedia
Communications | Data Networking
12875 Brookprinter Place, Suite 300
Poway, CA 92064
P 858.679.4030 | F 858.513.0559
www.jce-inc.com

REGISTERED PROFESSIONAL ENGINEER — No. E 14781 Exp. 6-30-2019 — ELECTRICAL — STATE OF CALIFORNIA

#17057.03 10/5/2017

Key Plan



Consultant Seal

Agency Approval — FILE NO. 37-C1
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS ____ FLS ____ SSS ____
DATE ____

Project Title
PALOMAR COLLEGE — Learning for Success
Palomar North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/6/2017

Drawing Title:
FLOOR PLAN - FIRE ALARM

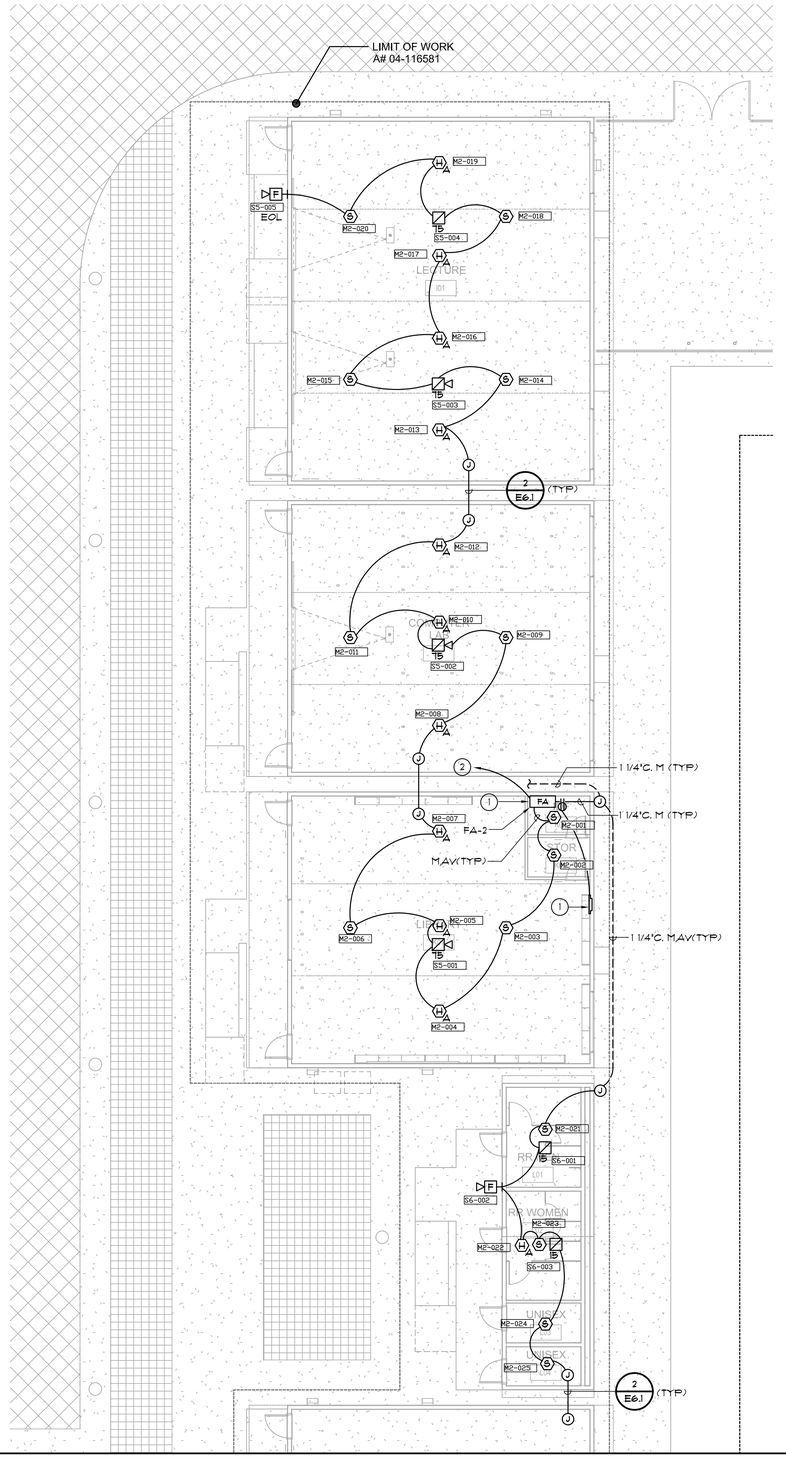
Architect's Seal
REGISTERED ARCHITECT — RICHARD E. GLASGOW — NO. C-32437 — REN. 02-28-19 — STATE OF CALIFORNIA

Designed: JF	Project No. 5015019-102
Drawn: AO	Scale:
QAQC RG	Drawing No. E4.1
Date: 10/6/2017	

INTERIM VILLAGE | 1
1/8" = 1'-0"

PLEASE RECYCLE

DSA SUBMITTAL



FIRE ALARM SYMBOL LEGENDS

- MANUAL PULL STATION MOUNTED BETWEEN 42" TO 48" A.F.F. TO HIGHEST POINT OF OPERATING HANDLE OR LEVER OF DEVICE.
- 91 / 15 — CEILING MOUNTED FLASHING LIGHT STROBE (15 = STROBE CANDELA RATING) (91 = SIGNAL CIRCUIT IDENTIFICATION)
- 91 / 15 — CEILING MOUNTED COMBINATION HORN/STROBE (15 = STROBE CANDELA RATING) (91 = SIGNAL CIRCUIT IDENTIFICATION)
- 91 — WALL MOUNTED WEATHERPROOF EXTERIOR HORN MOUNTED +90" A.F.F. TO BOTTOM OF DEVICE (91 = SIGNAL CIRCUIT IDENTIFICATION)
- CEILING MOUNTED SMOKE DETECTOR
- C — CEILING MOUNTED SMOKE DETECTOR / CO DETECTOR WITH SOUNDER BASE
- CEILING MOUNTED HEAT DETECTOR
- A — HEAT DETECTOR MOUNTED ABOVE CEILING (SEE GENERAL NOTE #6)
- FACP — MAIN FIRE ALARM CONTROL PANEL
- FA — REMOTE FIRE ALARM POWER EXTENDER
- DSM — DUAL SYNC MODULE (SEE RISER DIAGRAM FOR LOCATION)
- R — ADDRESSABLE RELAY MODULE
- M — ADDRESSABLE MONITOR MODULE
- EOL — END OF LINE RESISTOR

FIRE ALARM NOTE:
THIS FIRE ALARM DESIGN IS A COMPLETE PLAN SUBMITTAL IN ACCORDANCE WITH 2010 CBC 907.1.

FULLY AUTOMATIC FIRE ALARM DESIGN:
THIS PROJECT IS DESIGNED TO COMPLY WITH ALL REQUIREMENTS FOR A FULLY PROTECTED AUTOMATIC FIRE ALARM SYSTEM.

KEYNOTES

KEY NOTES:

1. PROVIDE DEDICATED 120 VOLT, 1P, 20 AMP BREAKER TO EXISTING RELO PANEL CONNECT TO "LOCK ON BREAKER".
2. PROVIDE CONNECTION TO "FACP-1".

NOTES

GENERAL NOTES:

1. REFERENCE ARCHITECTURAL INTERIOR ELEVATIONS FOR EXACT LOCATION OF ALL WALL MOUNTED DEVICES.
2. REFERENCE RISER DIAGRAMS FOR TYPICAL CONDUIT SIZES AND INITIATION ZONE CIRCUIT IDENTIFICATIONS.
3. UNLESS OTHERWISE NOTED SOLID LINES BETWEEN DEVICES SHALL BE 3/4" E.M.T. ROUTED CONCEALED ABOVE CEILINGS OR IN WALLS. DASHED LINES INDICATE 3/4" P.V.C. UNDERGROUND CONDUIT. ALL WIRING TO BE PROVIDED PER MANUFACTURER SHOP DRAWINGS.
4. CONTRACTOR SHALL PROVIDE CEILING ACCESS PANEL AT ALL NON-LAY-IN TYPE CEILINGS, WHERE HEAT DETECTOR ABOVE CEILING IS INDICATED.

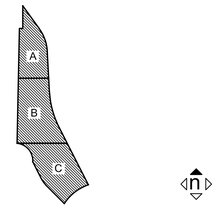
HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

JOHNSON CONSULTING ENGINEERS, INC.
Power | Lighting | Multimedia
Communications | Data Networking
12875 Brookprinter Place, Suite 300
Poway, CA 92064
P 858.679.4030 | F 858.513.0559
www.jce-inc.com

REGISTERED PROFESSIONAL ENGINEER — No. E 14781 Exp. 6-30-2019 — ELECTRICAL — STATE OF CALIFORNIA

#17057.03 10/5/2017

Key Plan



Consultant Seal

Agency Approval — FILE NO. 37-C1
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS ____ FLS ____ SSS ____
DATE ____

Project Title
PALOMAR COLLEGE — Learning for Success
Palomar North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/6/2017

Drawing Title:
FLOOR PLAN - FIRE ALARM

Architect's Seal
REGISTERED ARCHITECT — RICHARD E. GLASS — NO. C-32437 — REN. 02-28-19 — STATE OF CALIFORNIA

Designed: JF	Project No. 5015019-102
Drawn: AO	Scale:
QAQC RG	Drawing No. E4.2
Date: 10/6/2017	

INTERIM VILLAGE | 1 | 1/8" = 1'-0"

PLEASE RECYCLE

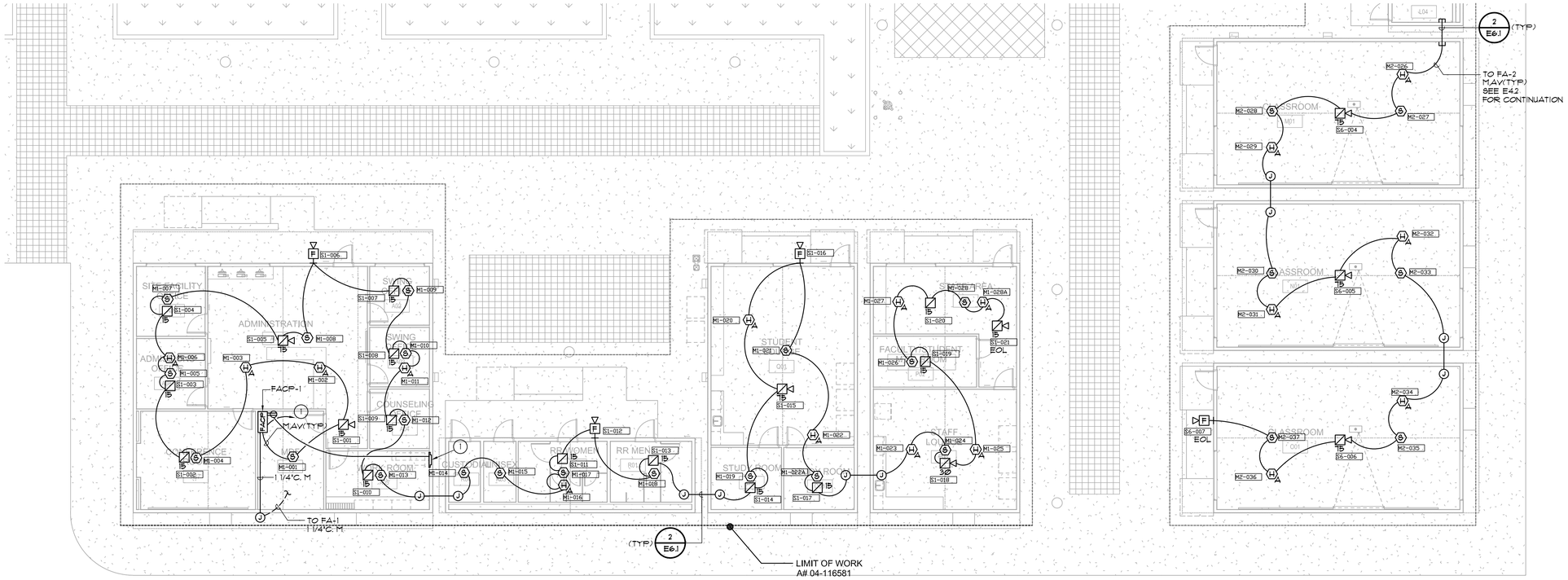
DSA SUBMITTAL

FIRE ALARM SYMBOL LEGENDS

F	MANUAL PULL STATION MOUNTED BETWEEN 42" TO 48" AFF. TO HIGHEST POINT OF OPERATING HANDLE OR LEVER OF DEVICE.
S1 / 15	CEILING MOUNTED FLASHING LIGHT STROBE (15 = STROBE CANDELA RATING) (S1 = SIGNAL CIRCUIT IDENTIFICATION)
S1 / 15	CEILING MOUNTED COMBINATION HORN/STROBE (15 = STROBE CANDELA RATING) (S1 = SIGNAL CIRCUIT IDENTIFICATION)
S1 HFH	WALL MOUNTED WEATHERPROOF EXTERIOR HORN MOUNTED +90" AFF. TO BOTTOM OF DEVICE (S1 = SIGNAL CIRCUIT IDENTIFICATION)
S	CEILING MOUNTED SMOKE DETECTOR
S C	CEILING MOUNTED SMOKE DETECTOR / CO DETECTOR WITH SOUNDER BASE
H	CEILING MOUNTED HEAT DETECTOR
H A	HEAT DETECTOR MOUNTED ABOVE CEILING (SEE GENERAL NOTE #6)
FACP	MAIN FIRE ALARM CONTROL PANEL
FA	REMOTE FIRE ALARM POWER EXTENDER
DSM	DUAL SYNC MODULE (SEE RISER DIAGRAM FOR LOCATION)
R	ADDRESSABLE RELAY MODULE
M	ADDRESSABLE MONITOR MODULE
EOL	END OF LINE RESISTOR

FIRE ALARM NOTE:
THIS FIRE ALARM DESIGN IS A COMPLETE PLAN SUBMITTAL IN ACCORDANCE WITH 2010 CBC 907.1.

FULLY AUTOMATIC FIRE ALARM DESIGN:
THIS PROJECT IS DESIGNED TO COMPLY WITH ALL REQUIREMENTS FOR A FULLY PROTECTED AUTOMATIC FIRE ALARM SYSTEM.



KEYNOTES

KEY NOTES:

1. PROVIDE DEDICATED 120 VOLT, 1P, 20 AMP BREAKER TO EXISTING RELO PANEL CONNECT TO "LOCK ON BREAKER".
2. PROVIDE CONNECTION TO "FACP-1".

NOTES

GENERAL NOTES:

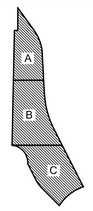
1. REFERENCE ARCHITECTURAL INTERIOR ELEVATIONS FOR EXACT LOCATION OF ALL WALL MOUNTED DEVICES.
2. REFERENCE RISER DIAGRAMS FOR TYPICAL CONDUIT SIZES AND INITIATION ZONE CIRCUIT IDENTIFICATIONS.
3. UNLESS OTHERWISE NOTED SOLID LINES BETWEEN DEVICES SHALL BE 3/4" E.M.T. ROUTED CONCEALED ABOVE CEILINGS OR IN WALLS. DASHED LINES INDICATE 3/4" P.V.C. UNDERGROUND CONDUIT. ALL WIRING TO BE PROVIDED PER MANUFACTURER SHOP DRAWINGS.
4. CONTRACTOR SHALL PROVIDE CEILING ACCESS PANEL AT ALL NON-LAYIN TYPE CEILINGS, WHERE HEAT DETECTOR ABOVE CEILING IS INDICATED.

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

JOHNSON CONSULTING ENGINEERS, INC.
Power | Lighting | Multimedia
Communications | Data Networking
12875 Brookprinter Place, Suite 300
Poway, CA 92064
P 858.679.4030 | F 858.513.0559
www.jce-inc.com

Licensed Professional Engineer — Matthew E. Glavach — No. E 14781 — Exp. 6-30-2019 — Electrical — State of California
#17057.03 — 10/5/2017

Key Plan



Consultant Seal

Agency Approval — FILE NO. 37-C1
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS ____ FLS ____ SSS ____
DATE ____

Project Title
PALOMAR COLLEGE Learning for Success
Palomar North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/6/2017

Drawing Title:
FLOOR PLAN - FIRE ALARM

Architect's Seal — Registered Architect — Brandt E. Glavach — No. C-32437 — Rev. 02-28-19 — State of California

Designed:	JF	Project No.	5015019-102
Drawn:	AO	Scale:	
QAQC	RG	Drawing No.	E4.3
Date:	10/6/2017		

INTERIM VILLAGE | 1 | 1/8" = 1'-0"

PLEASE RECYCLE

DSA SUBMITTAL

NOTIFIER MODEL NFS 320

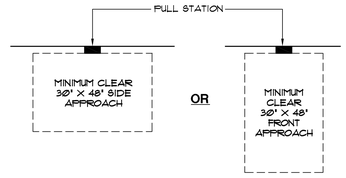
	SYM	MODEL NO.	DESCRIPTION	C.S.F.M. LISTING	MFG.
001	FACP	NSF-320	MAIN FIRE ALARM CONTROL PANEL	7165-0028:0243	NOTIFIER
002	CTA	FCPS-24S6	REMOTE POWER SUPPLY	7315-0028:0225	NOTIFIER
003	DH	DSM	SYNC MODULE	7300-0785:0132	COOPER WHEELOCK
			BATTERIES		
006	S	FSP-851	INTELLIGENT SMOKE DETECTOR	7272-0028:0206	NOTIFIER
		B210LB	SENSOR BASE	7300-1653:0109	SYSTEM SENSOR
007	S	FCO-851	COMBINATION SMOKE/CO DETECTOR	7275-0028:0284	NOTIFIER
		B200S	SOUNDER BASE	7135-1653:0213	SYSTEM SENSOR
009	H	FST-851	INTELLIGENT HEAT DETECTOR	7270-0028:0196	NOTIFIER
		B210LB	SENSOR BASE	7300-1653:0109	SYSTEM SENSOR
010	HA	FST-851H	INTELLIGENT HEAT DETECTOR (ABOVE CEILING)	7270-0028:0196	NOT
		B210LB	SENSOR BASE	7300-1653:0109	SYSTEM SENSOR *
013	WD	WFDN	WATERFLOW SWITCH	7770-1653:0231	SYSTEM SENSOR
014	TD	P1BV2	TAMPER SWITCH	7770-1653:0118	SYSTEM SENSOR
015	H	AH	EXTERIOR HORN	7125-0785:0131	COOPER WHEELOCK
			EXTERIOR FLUSH PLATE (PART OF ABOVE)		
018		LHSC	HORN/STROBE (15/30/75) cd (CEIL MNT)	7135-0785:0181	COOPER WHEELOCK
020		LSTC	STROBE (15/30/75/110) cd (CEIL MNT)	7125-0785:0180	COOPER WHEELOCK
025	M	FCM-1	ADDRESSABLE MONITOR MODULE	7300-0028:0219	NOTIFIER
026	R	FCM-1	ADDRESSABLE RELAY MODULE	7300-0028:0219	NOTIFIER
027	R	RIC-1	120 VOLT RELAY MODULE	7300-1004:0101	SAE INC
028		TYPE FPL	SIGNAL LINE CIRCUIT CONDUCTORS ('M')	7161-2067:0100	WEST PENN
029		TYPE THHN	AUDIO VISUAL AND POWER CONDUCTORS (AV,P)	N/A	SOUTHWIRE

* IF OTHER MANUFACTURER IS USED IT IS TO BE UL AND CSFM LISTED.

WIRING SCHEDULE

DES	CONDUCTOR TYPE	WIRE COLOR	CIRCUIT TYPE
P	(2) #12 THHN	RED/BLACK	POWER
M	(1) 1 PR #14 TWISTED SHIELDED	RED/BLACK/SHIELD	SIGNAL LINE CIRCUIT
AV	(2) #12 THHN	BLUE/WHITE	NOTIFICATION APP. CIRCUIT (NAC)

CLEAR SPACE REQUIREMENTS AT FIRE ALARM PULL STATIONS:



ANNUNCIATOR ZONE SCHEDULE

	ROOM SMOKE OR HEAT DETECTORS	ABOVE CEILING HEAT DETECTORS	MANUAL PULL STATIONS	DUCT DETECTORS	SPRINKLER SYSTEM	TROUBLE INDICATION
BLDG	YES	YES	NO	N/A	N/A	YES

NOTES:

1. ALL SMOKE DETECTORS, HEAT DETECTORS ABOVE CEILING DETECTORS, DUCT DETECTORS, MANUAL PULL STATIONS, FLOW SWITCHES, TAMPER SWITCHES SHALL BE INDIVIDUALLY ADDRESSABLE.
2. PROVIDE (1) ANNUNCIATOR WHICH WILL PROVIDE LED LIGHT INDICATORS TO IDENTIFY THE ABOVE ZONE SCHEDULE (IN ADDITION TO ANNUNCIATOR NOTED IN NOTE # 3.).
3. PROVIDE (1) 32 CHARACTER BACK-LIGHTED ALPHA-NUMERIC DISPLAY ANNUNCIATOR WITH KEYPAD FOR OPERATOR CONTROL, PROGRAMMING AND TESTING.

FIRE ALARM MONITORING NOTE:

1. AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72 AS AMENDED BY CFC SECTION 907. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX OR UUJS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY OWNER.

FIRE ALARM GENERAL REQUIREMENTS:

1. THE COMPLETE INSTALLATION SHALL BE REVIEWED AND APPROVED BY THE ABOVE LOCAL MANUFACTURERS REPRESENTATIVE. SEE SPECIFICATIONS (28 30 00), FOR ADDITIONAL CONTRACTOR QUALIFICATIONS AND REQUIREMENTS.
2. UNLESS OTHERWISE NOTED SOLID LINES BETWEEN DEVICES SHALL BE 3/4" E.M.T. ROUTED CONCEALED ABOVE CEILINGS OR IN WALLS. DASHED LINES INDICATE 3/4" P.V.C. UNDERGROUND CONDUIT. ALL WIRING TYPES AND QUANTITIES SHOWN ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL PROVIDE ALL WIRING AS REQUIRED TO MAKE A FULLY OPERATIONAL SYSTEM. SHOP DRAWINGS AND OR AS-BUILT DOCUMENTS SHALL INDICATE ALL WIRING PROVIDED.
3. THE AUDIBILITY OF FIRE ALARM WARNING DEVICES SHALL BE AUDIBLE THROUGH THE OCCUPANCY WITH A MINIMAL SOUND LEVEL 15 db's OVER THE AMBIENT NOISE LEVEL. ADD ADDITIONAL DEVICES AS REQUIRED.
4. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A REACCEPTANCE TEST OF THE ENTIRE SYSTEM SHALL BE PERFORMED IN THE PRESENCE OF THE ENFORCING AGENCY AND IN ACCORDANCE WITH SPECIFICATIONS (28 30 00). THE CONTRACTOR SHALL FURNISH db METERS AND ALL OTHER EQUIPMENT TO PERFORM THESE TESTS.
5. ALL CONDUIT PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL PREVENT THE PASSAGE OF HEAT, SMOKE AND FIRE GASES. ALL PENETRATIONS SHALL COMPLY WITH UL. ASSEMBLY UL-1001. REFER TO THROUGH-PENETRATION FIRESTOP DETAIL ON THE DETAIL SHEET.
6. ALL OPERATING HARDWARE AT INITIATING DEVICES SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST, AND THE FORCE REQUIRED TO OPERATE SHALL BE LESS THAN 5 POUNDS.

APPLICABLE CODES

2016 BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24 C.C.R).

2016 CALIFORNIA BUILDING CODE (PART 2, TITLE 24 C.C.R).
(2012 INTERNATIONAL BUILDING CODE WITH 2013 CALIFORNIA AMENDMENTS)

2016 CALIFORNIA ELECTRICAL CODE (PART 3, TITLE 24 CCR)
(2011 NATIONAL ELECTRICAL CODE AND 2013 CALIFORNIA AMENDMENTS)

2016 CALIFORNIA MECHANICAL CODE (PART 4, TITLE 24, CCR)
(2012 UNIFORM MECHANICAL CODE WITH 2013 CALIFORNIA AMENDMENTS)

2016 CALIFORNIA PLUMBING CODE (PART 5, TITLE 24, CCR)
(2012 UNIFORM PLUMBING CODE AND 2013 CALIFORNIA AMENDMENTS)

2016 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR)

2016 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CCR)
(2015 INTERNATIONAL FIRE CODE AND 2015 CALIFORNIA AMENDMENTS)

2016 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN),
PART 11, TITLE 24 C.C.R.

2016 CALIFORNIA REFERENCED STANDARDS (PART 12, TITLE 24, CCR)

TITLE 19 C.C.R, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

APPLICABLE STANDARDS

NFPA 13	AUTOMATIC SPRINKLER SYSTEMS	2013 EDITION
NFPA 14	STANDPIPE SYSTEMS (CA AMENDED)	2013 EDITION
NFPA 17A	WEST CHEMICAL SYSTEMS	2013 EDITION
NFPA 20	STATIONARY PUMPS	2013 EDITION
NFPA 24	PRIVATE FIRE MAINS (CA AMENDED)	2013 EDITION
NFPA 72	NATIONAL FIRE ALARM CODE (CA AMENDED)	2013 EDITION
NFPA 80	FIRE DOOR AND OTHER OPENING PROTECTIVES	2013 EDITION
NFPA 2001	CLEAN AGENT FIRE EXTINGUISHING SYSTEMS	2013 EDITION

REFERENCE CODE SECTION FOR NFPA STANDARDS - 2013 CBC (SFM) CHAPTER 35.
SEE CHAPTER FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS.

MAXIMUM NUMBER OF CONDUCTORS IN TRADE SIZES OF CONDUIT OR TUBING MINIMUM CONDUIT SIZE FOR THIS PROJECT IS 3/4"

CONDUIT TRADE SIZE (INCHES)		1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5
TYPE LETTERS	CONDUCTOR SIZE AWG, kcmil											
THWN	14 12	13 10	24 18	39 29	69 51	94 70	154 114	164				
THHN	10 8	6 3	11 5	18 9	32 16	44 22	73 36	104 51	160 79	106	136	

TRADE SIZE	INTERNAL DIAMETER INCHES	AREA——SQUARE INCHES		PERCENT REDUCTION PER NUMBER OF 18AWG TWISTED SHIELD PAIRS						
		100% INCHES	OVER 2 COND. 40%	1	2	3	4	5	6	7	8
1/2	.622	.30	.12	38%	66%	99%	X	X	X	X	X
3/4	.824	.53	.21	19%	38%	57%	76%	95%	X	X	X
1	1.049	.86	.34	12%	24%	36%	48%	60%	72%	84%	96%
1 1/4	1.380	1.50	.60	7%	14%	21%	28%	35%	42%	49%	56%
1 1/2	1.610	2.04	.82	5%	10%	15%	20%	25%	30%	35%	40%
2	2.067	3.36	1.34	3%	6%	9%	12%	15%	18%	21%	24%

FIRE ALARM SEQUENCE OF OPERATION

ACTION \ DEVICE	MANUAL PULL STATION	AREA/DUCT SMOKE/HEAT DETECTOR	AC POWER FAILURE	SPRINKLER ACTIVATION TAMPER SW.	SPRINKLER ACTIVATION FLOW SW.
SOUND ALARM TROUGHOUT BLDG.	YES	YES	NO	N/A	YES
ACTIVATE RELAY FOR MONITORING	YES	YES	YES	N/A	YES
ANNUNCIATE AT PANEL AND ANNUNCIATOR	YES	YES	YES	N/A	YES
SOUND TROUBLE BUZZER	ON WIRING FAULT	ON WIRING FAULT	YES	N/A	ON WIRING FAULT
SOUND SPRINKLER BELL	NO	NO	NO	N/A	YES
REPORT TO MONITORING STATION	YES	YES	YES	YES	YES
INITIATE SHUTDOWN OF HVAC UNITS	YES	YES	NO	N/A	YES

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

KEYNOTES

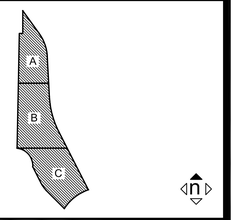
NOTES

JOHNSON CONSULTING ENGINEERS, INC.
Power | Lighting | Multimedia
Communications | Data Networking
12875 Brookprinter Place, Suite 300
Poway, CA 92064
P 858.679.4030 | F 858.513.0559
www.jce-inc.com

REGISTERED PROFESSIONAL ENGINEER — No. E 14781 — Exp. 6-30-2019 — ELECTRICAL — STATE OF CALIFORNIA

#17057.03 10/2/2017

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS FLS SSS
DATE

Project Title

PALOMAR COLLEGE

Palomar North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/6/2017

Drawing Title:
FIRE ALARM SCHEDULE

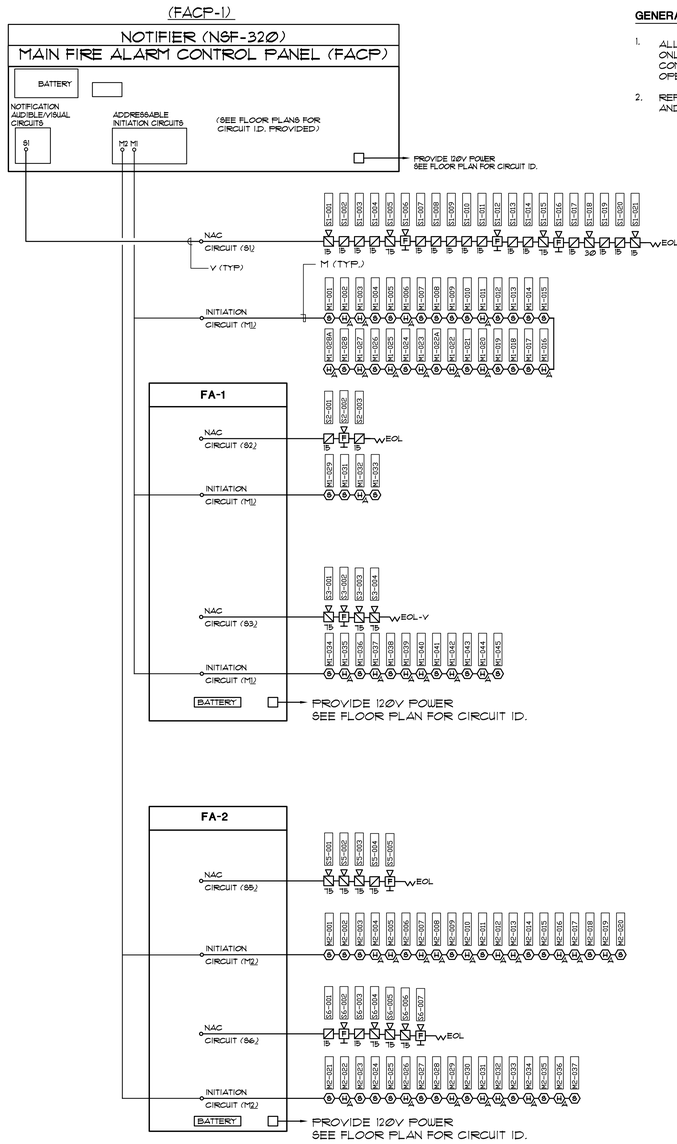
Architect's Seal

REGISTERED ARCHITECT — STEVEN E. CLASEN — NO. C-32437 — REN. 02-28-19 — STATE OF CALIFORNIA

Designed: JF	Project No. 5015019-102		
Drawn: AO	Scale:		
QAQC RG	Drawing No. E4.4		
Date: 10/6/2017			

PLEASE RECYCLE

DSA SUBMITTAL



GENERAL NOTES:

1. ALL WIRING INDICATED IS FOR GENERAL REFERENCE ONLY. CONTRACTOR SHALL PROVIDE ALL WIRING AND COMPONENTS NEEDED TO PROVIDE A COMPLETE OPERATIONAL SYSTEM.
2. REFERENCE FLOOR PLANS FOR EXACT QUANTITY, TYPE, AND LOCATION OF ALL DEVICES.

FIRE ALARM RISER DIAGRAM

NO SCALE

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

KEYNOTES

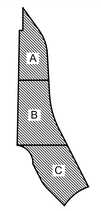
NOTES

JOHNSON CONSULTING ENGINEERS, INC.
Power | Lighting | Multimedia
Communications | Data Networking
12875 Brookprinter Place, Suite 300
Poway, CA 92064
P 858.679.4030 | F 858.513.0559
www.jce-inc.com

Licensed Professional Engineer — No. E 14781 Exp. 6-30-2019 — Electrical — State of California

#17057.03 — 10/2/2017

Key Plan



Consultant Seal

Agency Approval — FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS ____ FLS ____ SSS ____
DATE ____

Project Title

PALOMAR COLLEGE Learning for Success

Palomar North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/6/2017

Drawing Title:
FIRE ALARM RISER DIAGRAM

Architect's Seal

Registered Architect — Brandt E. Glasgow — No. C-32437 — Ren. 02-28-19 — State of California

Designed:	JF	Project No.	5015019-102
Drawn:	AO	Scale:	
QAQC	RG	Drawing No.	E4.5
Date:	10/6/2017		

PLEASE RECYCLE

DSA SUBMITTAL

Main Fire Alarm Control Panel

FACP NOTIFIER NSF-320 Battery Calculations

Type of Device Or Equipment	Standby Amperage Qty	Current	Total	Alarm Amperage Quantity	Current	Total
NSF-320 (FACP)	1	0.081	0.081	1	0.150	0.150
ACM-2RF (Relay Module)	0	0.000	0.000	0	0.007	0.000
AMM-2[2] (Monitor Module)	0	0.000	0.000	0	0.001	0.000
LCD-E3 (Remote Annunciator)	0	0.012	0.000	0	0.023	0.000
Duct Detector (ADPFRF)	0	0.026	0.000	0	0.087	0.000
Beam Detector (Trans. & Rec.)	0	0.004	0.000	0	0.014	0.000
Smoke Detector	0	0.000	0.000	0	0.007	0.000
Heat Detector	0	0.000	0.000	0	0.000	0.000
Exterior Horn	3	0.000	0.000	0	0.050	0.000
15cd Horn/Strobe	0	0.000	0.000	0	0.082	0.000
30cd Horn/Strobe	0	0.000	0.000	0	0.102	0.000
75cd Horn/Strobe	0	0.000	0.000	0	0.148	0.000
110cd Horn/Strobe	0	0.000	0.000	0	0.197	0.000
15cd Horn/Strobe (Ceiling)	2	0.000	0.000	0	0.082	0.000
30cd Horn/Strobe (Ceiling)	1	0.000	0.000	0	0.102	0.000
75cd Horn/Strobe (Ceiling)	2	0.000	0.000	0	0.148	0.000
95cd Horn/Strobe (Ceiling)	0	0.000	0.000	0	0.176	0.000
15cd Strobe Only	0	0.000	0.000	3	0.057	0.171
30cd Strobe Only	0	0.000	0.000	0	0.085	0.000
75cd Strobe Only	0	0.000	0.000	0	0.135	0.000
110cd Strobe Only	0	0.000	0.000	0	0.182	0.000
15cd Strobe Only (Ceiling)	13	0.000	0.000	0	0.061	0.000
30cd Strobe Only (Ceiling)	0	0.000	0.000	0	0.085	0.000
75cd Strobe Only (Ceiling)	0	0.000	0.000	0	0.135	0.000
95cd Strobe Only (Ceiling)	0	0.000	0.000	0	0.163	0.000
Total Standby Amperage			**0.081**	**Total Alarm Amperage**		**0.321**

Standby Time Required

24 Hours x Total Standby Amperage = 24 x 0.081 = 1.944 Amp Hours

Alarm Time Required

.083 (5 Min.) x Total Alarm Amperage = .083 x 0.321 = 0.027 Amp Hours

Total Required = **1.971** Amp Hours

Minimum Battery Amp Hour Required = **25** Amp Hours

FA-1

Remote Extender Panel

Supplementary Notification Appliance Circuit Battery Calculations

Type of Device Or Equipment	Standby Amperage Qty	Current	Total	Alarm Amperage Quantity	Current	Total
Extender Panel(HPF24S6)	1	0.002	0.002	1	0.002	0.002
Dual Sync Module	1	0.035	0.035	1	0.035	0.035
Exterior Horn	2		0.000	2	0.050	0.100
15cd Horn/Strobe	0		0.000	0	0.082	0.000
30cd Horn/Strobe	0		0.000	0	0.102	0.000
75cd Horn/Strobe	0		0.000	0	0.148	0.000
110cd Horn/Strobe	0		0.000	0	0.197	0.000
15cd Horn/Strobe (Ceiling)	0		0.000	0	0.082	0.000
30cd Horn/Strobe (Ceiling)	0		0.000	0	0.102	0.000
75cd Horn/Strobe (Ceiling)	3		0.000	3	0.148	0.444
95cd Horn/Strobe (Ceiling)	0		0.000	0	0.176	0.000
15cd Strobe Only	0		0.000	0	0.057	0.000
30cd Strobe Only	0		0.000	0	0.085	0.000
75cd Strobe Only	0		0.000	0	0.135	0.000
110cd Strobe Only	0		0.000	0	0.182	0.000
15cd Strobe Only (Ceiling)	2		0.000	2	0.061	0.122
30cd Strobe Only (Ceiling)	0		0.000	0	0.085	0.000
75cd Strobe Only (Ceiling)	0		0.000	0	0.135	0.000
95cd Strobe Only (Ceiling)	0		0.000	0	0.163	0.000
Total Standby Amperage			**0.137**	**Total Alarm Amperage**		**0.703**

Standby Time Required

24 Hours x Total Standby Amperage = 24 x 0.137 = 3.288 Amp Hours

Alarm Time Required

.083 (5 Min.) x Total Alarm Amperage = .083 x 0.703 = 0.058 Amp Hours

Total Required = **3.346** Amp Hours

Minimum Battery Amp Hour Required = **7** Amp Hours

FA-2

Remote Extender Panel

Supplementary Notification Appliance Circuit Battery Calculations

Type of Device Or Equipment	Standby Amperage Qty	Current	Total	Alarm Amperage Quantity	Current	Total
Extender Panel(HPF24S6)	1	0.002	0.002	1	0.002	0.002
Dual Sync Module	1	0.035	0.035	1	0.035	0.035
Exterior Horn	3		0.000	3	0.050	0.150
15cd Horn/Strobe	0		0.000	0	0.082	0.000
30cd Horn/Strobe	0		0.000	0	0.102	0.000
75cd Horn/Strobe	0		0.000	0	0.148	0.000
110cd Horn/Strobe	0		0.000	0	0.197	0.000
15cd Horn/Strobe (Ceiling)	0		0.000	0	0.082	0.000
30cd Horn/Strobe (Ceiling)	0		0.000	0	0.102	0.000
75cd Horn/Strobe (Ceiling)	6		0.000	6	0.148	0.888
95cd Horn/Strobe (Ceiling)	0		0.000	0	0.176	0.000
15cd Strobe Only	0		0.000	0	0.057	0.000
30cd Strobe Only	0		0.000	0	0.085	0.000
75cd Strobe Only	0		0.000	0	0.135	0.000
110cd Strobe Only	0		0.000	0	0.182	0.000
15cd Strobe Only (Ceiling)	2		0.000	2	0.061	0.122
30cd Strobe Only (Ceiling)	0		0.000	0	0.085	0.000
75cd Strobe Only (Ceiling)	1		0.000	1	0.135	0.135
95cd Strobe Only (Ceiling)	0		0.000	0	0.163	0.000
Total Standby Amperage			**0.037**	**Total Alarm Amperage**		**1.332**

Standby Time Required

24 Hours x Total Standby Amperage = 24 x 0.037 = 0.888 Amp Hours

Alarm Time Required

.083 (5 Min.) x Total Alarm Amperage = .083 x 1.332 = 0.111 Amp Hours

Total Required = **0.999** Amp Hours

Minimum Battery Amp Hour Required = **7** Amp Hours

Fire Alarm Voltage Drop Calculations

Calculation Formula:

Total Current x Feet x 21.6 / Circular Mils = (Voltage Drop)

Voltage Drop / 24 Volts x 100 Percent = Percentage Voltage Drop

Circular Mils Using #10 w ire =10380
Circular Mils Using #12 w ire = 6530
Circular Mils Using #14 w ire = 4110
Circular Mils Using #18 w ire = 1620

FACP-1

Circuit I.D.	Device Type	Devices x Current		Total Current	Distance In Feet	Circular Mils	=	Total Voltage Dropped Volts Dropped	=	% Volts Dropped
S 1	Exterior Horn	3	0.050	0.150						
	Sync Module	1	0.035	0.035						
	15cd Horn / Strobe	0	0.082	0.000						
	30cd Horn / Strobe	0	0.102	0.000						
	75cd Horn / Strobe	0	0.148	0.000						
	110cd Horn / Strobe	0	0.197	0.000						
	15cd Horn / ST (Ceiling)	2	0.082	0.164						
	30cd Horn / ST (Ceiling)	1	0.102	0.102						
	75cd Horn / ST (Ceiling)	2	0.148	0.296						
	95cd Horn / ST (Ceiling)	0	0.176	0.000						
	15cd Strobe	0	0.057	0.000						
	30cd Strobe	0	0.085	0.000						
	75cd Strobe	0	0.135	0.000						
	110cd Strobe	0	0.182	0.000						
	15cd Strobe (Ceiling)	13	0.061	0.793						
	30cd Strobe (Ceiling)	0	0.085	0.000						
	75cd Strobe (Ceiling)	0	0.135	0.000						
	95cd Strobe (Ceiling)	0	0.163	0.000						
			Total	1.540	400	6530	=	2.038	=	**8.49%**

FA-1

Circuit I.D.	Device Type	Devices x Current		Total Current	Distance In Feet	Circular Mils	=	Total Voltage Dropped Volts Dropped	=	% Volts Dropped
S 2	Exterior Horn	1	0.050	0.050						
	Sync Module	1	0.035	0.035						
	15cd Horn / Strobe	0	0.082	0.000						
	30cd Horn / Strobe	0	0.102	0.000						
	75cd Horn / Strobe	0	0.148	0.000						
	110cd Horn / Strobe	0	0.197	0.000						
	15cd Horn / ST (Ceiling)	0	0.082	0.000						
	30cd Horn / ST (Ceiling)	0	0.102	0.000						
	75cd Horn / ST (Ceiling)	0	0.148	0.000						
	95cd Horn / ST (Ceiling)	0	0.176	0.000						
	15cd Strobe	0	0.057	0.000						
	30cd Strobe	0	0.085	0.000						
	75cd Strobe	0	0.135	0.000						
	110cd Strobe	0	0.182	0.000						
	15cd Strobe (Ceiling)	2	0.061	0.122						
	30cd Strobe (Ceiling)	0	0.085	0.000						
	75cd Strobe (Ceiling)	0	0.135	0.000						
	95cd Strobe (Ceiling)	0	0.163	0.000						
			Total	0.207	120	6530	=	0.082	=	**0.34%**

FA-1

Circuit I.D.	Device Type	Devices x Current		Total Current	Distance In Feet	Circular Mils	=	Total Voltage Dropped Volts Dropped	=	% Volts Dropped
S 3	Exterior Horn	1	0.050	0.050						
	Sync Module	1	0.035	0.035						
	15cd Horn / Strobe	0	0.082	0.000						
	30cd Horn / Strobe	0	0.102	0.000						
	75cd Horn / Strobe	0	0.148	0.000						
	110cd Horn / Strobe	0	0.197	0.000						
	15cd Horn / ST (Ceiling)	0	0.082	0.000						
	30cd Horn / ST (Ceiling)	0	0.102	0.000						
	75cd Horn / ST (Ceiling)	3	0.148	0.444						
	95cd Horn / ST (Ceiling)	0	0.176	0.000						
	15cd Strobe	0	0.057	0.000						
	30cd Strobe	0	0.085	0.000						
	75cd Strobe	0	0.135	0.000						
	110cd Strobe	0	0.182	0.000						
	15cd Strobe (Ceiling)	0	0.061	0.000						
	30cd Strobe (Ceiling)	0	0.085	0.000						
	75cd Strobe (Ceiling)	0	0.135	0.000						
	95cd Strobe (Ceiling)	0	0.163	0.000						
			Total	0.529	180	6530	=	0.315	=	**1.31%**

FA-2

Circuit I.D.	Device Type	Devices x Current		Total Current	Distance In Feet	Circular Mils	=	Total Voltage Dropped Volts Dropped	=	% Volts Dropped
S 5	Exterior Horn	1	0.050	0.050						
	Sync Module	1	0.035	0.035						
	15cd Horn / Strobe	0	0.082	0.000						
	30cd Horn / Strobe	0	0.102	0.000						
	75cd Horn / Strobe	0	0.148	0.000						
	110cd Horn / Strobe	0	0.197	0.000						
	15cd Horn / ST (Ceiling)	0	0.082	0.000						
	30cd Horn / ST (Ceiling)	0	0.102	0.000						
	75cd Horn / ST (Ceiling)	3	0.148	0.444						
	95cd Horn / ST (Ceiling)	0	0.176	0.000						
	15cd Strobe	0	0.057	0.000						
	30cd Strobe	0	0.085	0.000						
	75cd Strobe	0	0.135	0.000						
	110cd Strobe	0	0.182	0.000						
	15cd Strobe (Ceiling)	0	0.061	0.000						
	30cd Strobe (Ceiling)	0	0.085	0.000						
	75cd Strobe (Ceiling)	1	0.135	0.135						
	95cd Strobe (Ceiling)	0	0.163	0.000						
			Total	0.664	275	6530	=	0.604	=	**2.52%**

FA-2

Circuit I.D.	Device Type	Devices x Current		Total Current	Distance In Feet	Circular Mils	=	Total Voltage Dropped Volts Dropped	=	% Volts Dropped
S 6	Exterior Horn	2	0.050	0.100						
	Sync Module	1	0.035	0.035						
	15cd Horn / Strobe	0	0.082	0.000						
	30cd Horn / Strobe	0	0.102	0.000						
	75cd Horn / Strobe	0	0.148	0.000						
	110cd Horn / Strobe	0	0.197	0.000						
	15cd Horn / ST (Ceiling)	0	0.082	0.000						
	30cd Horn / ST (Ceiling)	0	0.102	0.000						
	75cd Horn / ST (Ceiling)	3	0.148	0.444						
	95cd Horn / ST (Ceiling)	0	0.176	0.000						
	15cd Strobe	0	0.057	0.000						
	30cd Strobe	0	0.085	0.000						
	75cd Strobe	0	0.135	0.000						
	110cd Strobe	0	0.182	0.000						
	15cd Strobe (Ceiling)	2	0.061	0.122						
	30cd Strobe (Ceiling)	0	0.085	0.000						
	75cd Strobe (Ceiling)	0	0.135	0.000						
	95cd Strobe (Ceiling)	0	0.163	0.000						
			Total	0.701	300	6530	=	0.696	=	**2.90%**

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

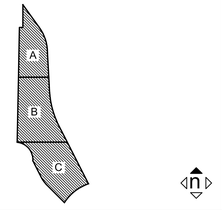
KEYNOTES

NOTES

JOHNSON CONSULTING ENGINEERS, INC.
Power | Lighting | Multimedia
Communications | Data Networking
12875 Brookprinter Place, Suite 300
Poway, CA 92064
P 858.679.4030 | F 858.513.0559
www.jce-inc.com

REGISTERED PROFESSIONAL ENGINEER — No. E 14781 — Exp. 6-30-2019 — ELECTRICAL — STATE OF CALIFORNIA

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS ____ FLS ____ SSS ____
DATE ____

Project Title

PALOMAR COLLEGE Learning for Success

Palomar North Education Center

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/6/2017

Drawing Title:

FIRE ALARM CALCULATIONS

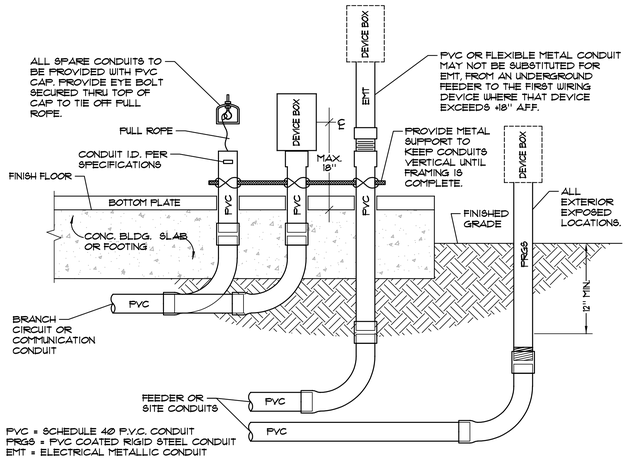
Architect's Seal

LICENSED ARCHITECT — STEVEN D. CLARK — No. C-32437 — REN. 02-28-19 — STATE OF CALIFORNIA

Designed:	JF	Project No.	5015019-102
Drawn:	AO	Scale:	
QAQC	RG	Drawing No.	E4.6
Date:	10/6/2017		

PLEASE RECYCLE

DSA SUBMITTAL

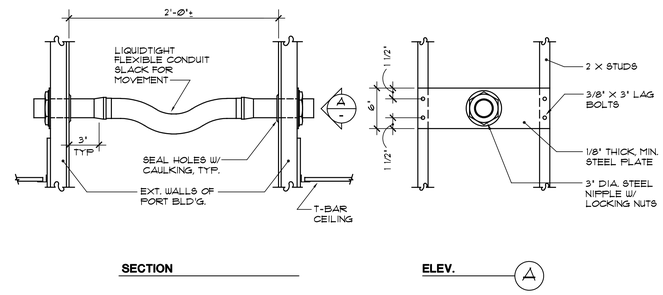


TYPICAL CONDUIT DETAIL

NO SCALE

DET- C13

1 / E5.1



CONDUIT CONNECTIONS AT BUILDING SEPARATIONS

NO SCALE

DET- C36

2 / E5.1

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

SM

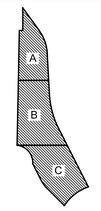
KEYNOTES

NOTES

REGISTERED PROFESSIONAL ENGINEER
No. E 14781
Exp. 6-30-2019
ELECTRICAL
STATE OF CALIFORNIA
#17057.03
10/2/2017

JOHNSON CONSULTING ENGINEERS, INC.
Power | Lighting | Multimedia
Communications | Data Networking
12875 Brookprinter Place, Suite 300
Poway, CA 92064
P 858.679.4030 | F 858.513.0559
www.jce-inc.com

Key Plan



Consultant Seal

Agency Approval — FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS____ FLS____ SSS____
DATE____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/6/2017

Drawing Title:
ELECTRICAL DETAILS

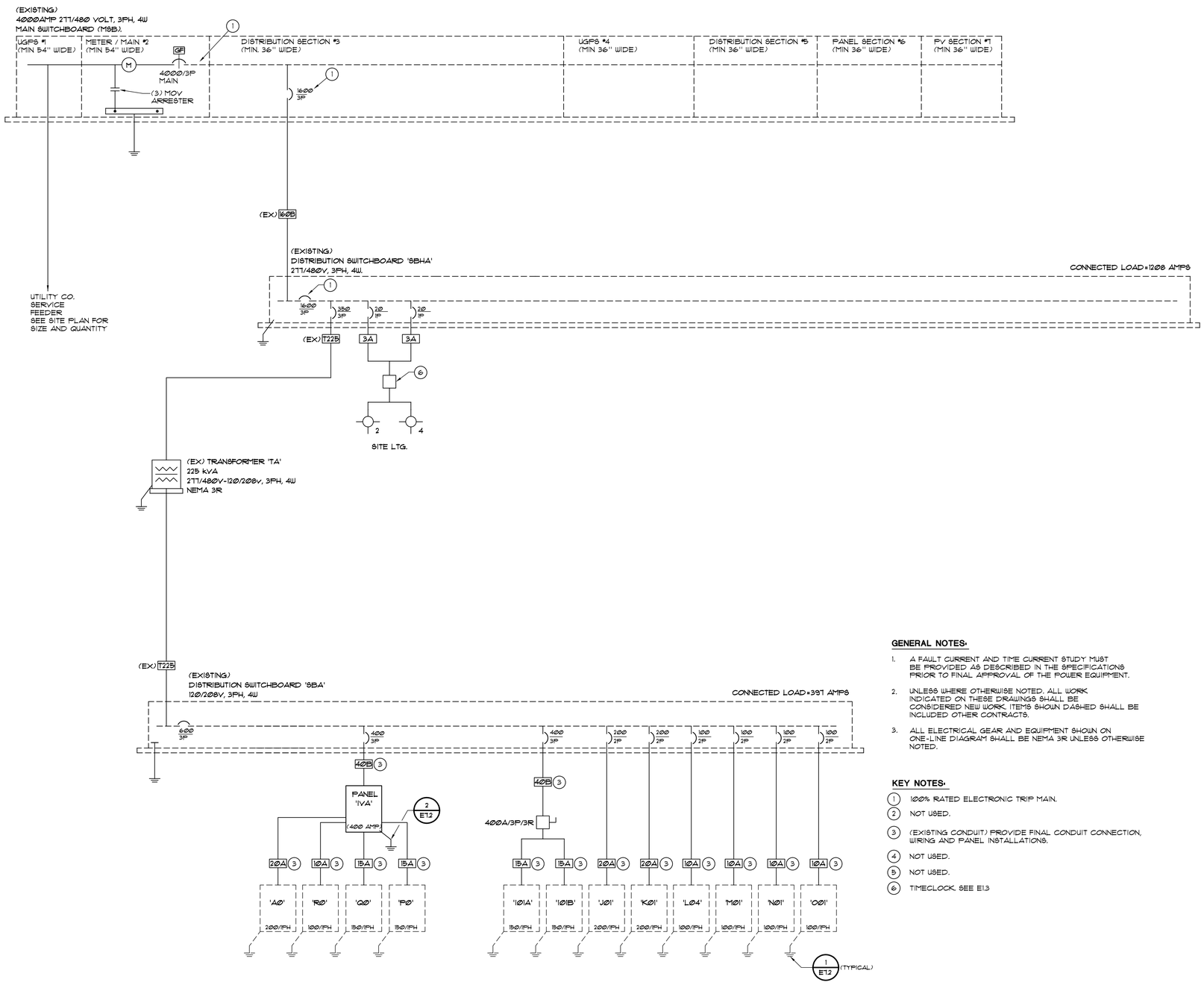
Architect's Seal

REGISTERED ARCHITECT
BRADLEY E. GLASGOW
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed:	JF	Project No.	5015019-102
Drawn:	AO	Scale:	
QAQC	RG	Drawing No.	E6.1
Date:	10/6/2017		

PLEASE RECYCLE

DSA SUBMITTAL



ELECTRICAL ONE-LINE DIAGRAM

NO SCALE

1 / E7.1

GENERAL NOTES:

1. A FAULT CURRENT AND TIME CURRENT STUDY MUST BE PROVIDED AS DESCRIBED IN THE SPECIFICATIONS PRIOR TO FINAL APPROVAL OF THE POWER EQUIPMENT.
2. UNLESS WHERE OTHERWISE NOTED, ALL WORK INDICATED ON THESE DRAWINGS SHALL BE CONSIDERED NEW WORK. ITEMS SHOWN DASHED SHALL BE INCLUDED OTHER CONTRACTS.
3. ALL ELECTRICAL GEAR AND EQUIPMENT SHOWN ON ONE-LINE DIAGRAM SHALL BE NEMA 3R UNLESS OTHERWISE NOTED.

KEY NOTES:

1. 100% RATED ELECTRONIC TRIP MAIN.
2. NOT USED.
3. (EXISTING CONDUIT) PROVIDE FINAL CONDUIT CONNECTION, WIRING AND PANEL INSTALLATIONS.
4. NOT USED.
5. NOT USED.
6. TIMECLOCK. SEE E1.3

600Volt Feeder Schedule

I.D.	Type	Ampacity	Copper Conduit	Copper Conductors	Aluminum Conduit	Aluminum Conductors
2A		20	(1) 3/4"	3 # 12, 1# 12 Gnd	NA	NA
2B		20	(1) 3/4"	4 # 12, 1# 12 Gnd	NA	NA
3A		30	(1) 3/4"	3 # 10, 1# 10 Gnd	NA	NA
3B		30	(1) 3/4"	4 # 10, 1# 10 Gnd	NA	NA
4A		40	(1) 1"	3 # 8, 1# 10 Gnd	NA	NA
4B		40	(1) 1"	4 # 8, 1# 10 Gnd	NA	NA
5A		50	(1) 1"	3 # 6, 1# 10 Gnd	NA	NA
5B		50	(1) 1"	4 # 6, 1# 10 Gnd	NA	NA
6A		60	(1) 1 1/4"	3 # 4, 1# 8 Gnd	NA	NA
6B		60	(1) 1 1/4"	4 # 4, 1# 8 Gnd	NA	NA
7A		70	(1) 1 1/4"	3 # 4, 1# 8 Gnd	NA	NA
7B		70	(1) 1 1/4"	4 # 4, 1# 8 Gnd	NA	NA
8A		80	(1) 1 1/4"	3 # 3, 1# 8 Gnd	NA	NA
8B		80	(1) 1 1/4"	4 # 3, 1# 8 Gnd	NA	NA
9A		90	(1) 1 1/2"	3 # 2, 1# 8 Gnd	NA	NA
9B		90	(1) 1 1/2"	4 # 2, 1# 8 Gnd	NA	NA
10A		100	(1) 1 1/2"	3 # 1, 1# 6 Gnd	NA	NA
10B		100	(1) 1 1/2"	4 # 1, 1# 6 Gnd	NA	NA
12A		125	(1) 2"	3 # 1, 1# 6 Gnd	(1) 2"	3 # 2/0, 1# 3 Gnd
12B		125	(1) 2"	4 # 1, 1# 6 Gnd	(1) 2"	4 # 2/0, 1# 3 Gnd
15A		150	(1) 2"	3 # 1/0, 1# 6 Gnd	(1) 2"	3 # 3/0, 1# 3 Gnd
15B		150	(1) 2"	4 # 1/0, 1# 6 Gnd	(1) 2"	4 # 3/0, 1# 3 Gnd
17A		175	(1) 2"	3 # 2/0, 1# 6 Gnd	(1) 2"	3 # 4/0, 1# 3 Gnd
17B		175	(1) 2"	4 # 2/0, 1# 6 Gnd	(1) 2"	4 # 4/0, 1# 3 Gnd
20A		200	(1) 3"	3 # 3/0, 1# 4 Gnd	(1) 3"	3 # 250, 1# 2 Gnd
20B		200	(1) 3"	4 # 3/0, 1# 4 Gnd	(1) 3"	4 # 250, 1# 2 Gnd
22A		225	(1) 3"	3 # 4/0, 1# 4 Gnd	(1) 3"	3 # 300, 1# 2 Gnd
22B		225	(1) 3"	4 # 4/0, 1# 4 Gnd	(1) 3"	4 # 300, 1# 2 Gnd
25A		250	(1) 3"	3 # 250, 1# 4 Gnd	(1) 3"	3 # 350, 1# 2 Gnd
25B		250	(1) 3"	4 # 250, 1# 4 Gnd	(1) 3"	4 # 350, 1# 2 Gnd
30A		300	(1) 3"	3 # 350, 1# 4 Gnd	(1) 3"	3 # 500, 1# 2 Gnd
30B		300	(1) 3"	4 # 350, 1# 4 Gnd	(1) 3"	4 # 500, 1# 2 Gnd
35A		350	(2) 2"	3 # 2/0, 1# 2 Gnd	(2) 2"	3 # 4/0, 1# 1 Gnd
35B		350	(2) 2"	4 # 2/0, 1# 2 Gnd	(2) 2"	4 # 4/0, 1# 1 Gnd
40A		400	(2) 3"	3 # 3/0, 1# 2 Gnd	(2) 3"	3 # 250, 1# 1/0 Gnd
40B		400	(2) 3"	4 # 3/0, 1# 2 Gnd	(2) 3"	4 # 250, 1# 1/0 Gnd
45A		450	(2) 3"	3 # 4/0, 1# 2 Gnd	(2) 3"	3 # 300, 1# 1/0 Gnd
45B		450	(2) 3"	4 # 4/0, 1# 2 Gnd	(2) 3"	4 # 300, 1# 1/0 Gnd
50A		500	(2) 3"	3 # 250, 1# 2 Gnd	(2) 3"	3 # 350, 1# 1/0 Gnd
50B		500	(2) 3"	4 # 250, 1# 2 Gnd	(2) 3"	4 # 350, 1# 1/0 Gnd
60A		600	(2) 3"	3 # 350, 1# 1 Gnd	(2) 3"	3 # 500, 1# 2/0 Gnd
60B		600	(2) 3"	4 # 350, 1# 1 Gnd	(2) 3"	4 # 500, 1# 2/0 Gnd
70A		700	(3) 3"	3 # 4/0, 1# 1/0 Gnd	(3) 3"	3 # 300, 1# 3/0 Gnd
70B		700	(3) 3"	4 # 4/0, 1# 1/0 Gnd	(3) 3"	4 # 300, 1# 3/0 Gnd
80A		800	(3) 3"	3 # 300, 1# 1/0 Gnd	(3) 3"	3 # 500, 1# 3/0 Gnd
80B		800	(3) 3"	4 # 300, 1# 1/0 Gnd	(3) 3"	4 # 500, 1# 3/0 Gnd
100B		1000	(4) 3"	4 # 250, 1# 2/0 Gnd	(4) 3"	4 # 400, 1# 4/0 Gnd
120B		1200	(4) 4"	4 # 350, 1# 3/0 Gnd	(4) 4"	4 # 500, 1# 250 Gnd
160B		1600	(5) 4"	4 # 400, 1# 4/0 Gnd	(5) 4"	4 # 600, 1# 350 Gnd
200B		2000	(6) 4"	4 # 500, 1# 250 Gnd	(6) 4"	4 # 600, 1# 400 Gnd
250B		2500	(7) 4"	4 # 500, 1# 350 Gnd	(7) 4"	4 # 750, 1# 600 Gnd
300B		3000	(8) 4"	4 # 500, 1# 350 Gnd	(8) 4"	4 # 750, 1# 600 Gnd
350B		3500	(12) 4"	4 # 350, 1# 400 Gnd	(12) 4"	4 # 500, 1# 600 Gnd
400B		4000	(12) 4"	4 # 400, 1# 400 Gnd	(12) 4"	4 # 600, 1# 750 Gnd
PP		30	(1) 2"	3 # 1, 1# 6 Gnd		

600V FEEDER SCHEDULE LEGEND

T75 — "T" INDICATES TYPICAL TRANSFORMER FEEDER REFERENCE. THE NUMBER INDICATES TRANSFORMER TYPE. REFER TO SCHEDULE ON SHEET E7.2 FOR SIZE REQUIRED.

2 | 00 — 2 INDICATES QUANTITY OF CONDUITS REQUIRED = (2)

4 INDICATES SIZE OF CONDUITS REQUIRED = 4"

00 INDICATES "CONDUIT ONLY"

600V FEEDER SCHEDULE GENERAL NOTES:

1. ALL CONDUCTOR SHALL BE PROVIDED WITH TYPE THHN-2 INSULATION. REFERENCE SPECIFICATION SECTION 26 05 19 (16120) FOR ADDITIONAL REQUIREMENTS.
2. PROVIDE 60 DEGREE COPPER/ALUMINUM RATED TERMINATION FOR ALL FEEDERS SIZED WITH #2 OR SMALLER CONDUCTORS. PROVIDE 75 DEGREE COPPER/ALUMINUM RATED TERMINATIONS FOR ALL FEEDERS SIZED WITH #1 OR LARGER CONDUCTORS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ORDERING LUG CONFIGURATION AN ALL EQUIPMENT, BREAKER OF DISCONNECTS TO MATCH FEEDER CONFIGURATIONS INDICATED.
4. WHERE MULTIPLE CONDUIT QUANTITIES ARE INDICATED, CONDUCTOR QUANTITIES AND SIZES SHOWN IN SCHEDULE SHALL BE PROVIDED IN EACH CONDUIT.

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

SM

KEYNOTES

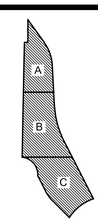
NOTES

JOHNSON CONSULTING ENGINEERS, INC.
Power | Lighting | Multimedia
Communications | Data Networking
12875 Brookprinter Place, Suite 300
Poway, CA 92064
P 858.679.4030 | F 858.513.0559
www.jce-inc.com

REGISTERED PROFESSIONAL ENGINEER — JEFFREY F. FORSYTH — No. E 14781 — Exp. 6-30-2019 — ELECTRICAL — STATE OF CALIFORNIA

#17057.03 — 10/3/2017

Key Plan



Consultant Seal

Agency Approval — FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS ____ FLS ____ SSS ____
DATE ____

Project Title

PALOMAR COLLEGE Learning for Success

Palomar North Education Center

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/6/2017

Drawing Title:

ONE LINE DIAGRAM

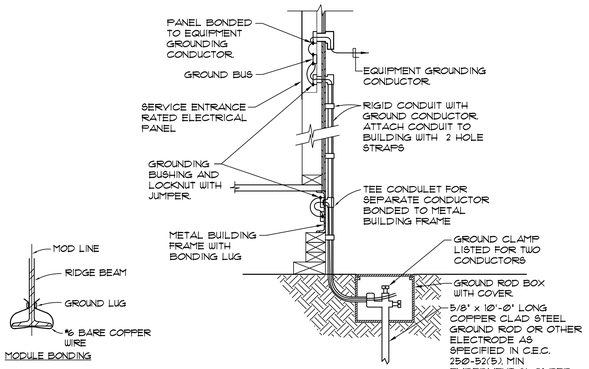
Architect's Seal

REGISTERED ARCHITECT — JEFFREY C. CLARK — No. C-32437 — REN. 02-28-19 — STATE OF CALIFORNIA

Designed:	JF	Project No.	5015019-102
Drawn:	AO	Scale:	
QAQC	RG	Drawing No.	E7.1
Date:	10/6/2017		

PLEASE RECYCLE

DSA SUBMITTAL



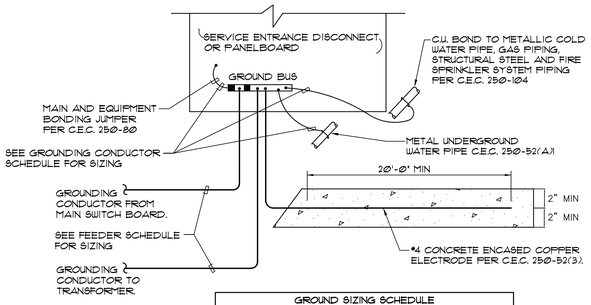
GENERAL NOTE:

1. SIZE OF CONDUCTOR SHALL COMPLY WITH C.E.C. TABLE 250-66.
2. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL (250-52(5)) AND TO METAL BUILDING FRAME (C.E.C. 250-104(C)). IN ADDITION TO THE DETAIL ABOVE BOND THE ELECTRICAL GROUND TO METAL WATER PIPE IF AVAILABLE. (C.E.C. 250-104(A)).
3. ALL MODULES OF METAL FRAME BUILDINGS AND RAMP SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING).
4. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, EXTEND CONDUCTORS, AS REQUIRED TO ADDITIONAL GROUND RODS AS NEEDED, SEPARATED BY AT LEAST 6'-0" UNTIL RESISTANCE IS 25 OHM OR LESS (CEC 250.56).

RELOCATABLE CLASSROOM GROUNDING DETAIL

NO SCALE

DET- G22 (2007 CEC) — 1 / E7.1



GROUND SIZING SCHEDULE	
EQUIPMENT AMPACITY	GROUNDING CONDUCTOR SIZE
0 - 100 AMPS	#4 CU.
101 - 400 AMPS	#1/0 CU.
401 - 800 AMPS	#2/0 CU.
801 - 1200 AMPS	#3/0 CU.
1201 - 2000 AMPS	#250 CU.
2001 - 4000 AMPS	#350 CU.

SERVICE ENTRANCE GROUNDING AND BONDING DETAIL

NO SCALE

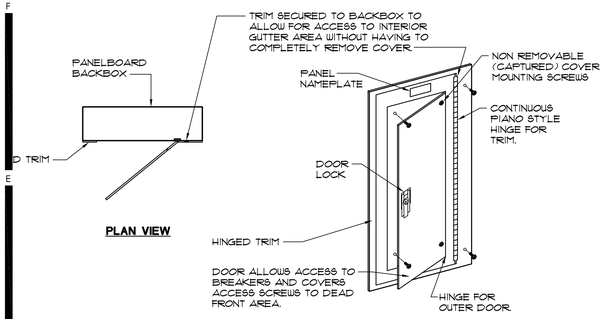
DET- 013 (2004 CEC) — 2 / E7.2

IVA													
120/208 3PH, 4WIRE		400 AMP		Main	Breaker	X		ENCLOSURE TYPE		ENCLOSURE NOTE			
200% Neutral Bus					Lug			NEMA TYPE 1					
(INTEGRAL)TVSS Protection				Enclosure	Recessed		X	NEMA TYPE 3R					
(REMOTE)TVSS Protection					Surface	X		NEMA TYPE 4X					
Service Entrance Rated	X	GENERAL DISTRIBUTION		PROVIDE LOCK ON BREAKER DEVICES FOR ALL EMERGENCY LIGHTING,									
Load Side Feed thru Lugs		BREAKER REQUIREMENTS :		MOTORS, AND FIRE ALARM EQUIPMENT SERVED FROM THIS PANEL									

LCL	NHL	CIRCUIT DESCRIPTION	AMP	POLE	NO	PHASE A	PHASE B	PHASE C	NO	AMP	POLE	CIRCUIT DESCRIPTION	LCL	NHL
		Panel AO1	200	2	1	13000						Panel QO1		
					3	8000	13000		2	150	2			
							8000		4					
		Panel KO	100	2	5			3600				Panel PO1		
					7	3600		8000	6	150	2			
						8000			8					
		Spare	20	1	9				10	20	1	Spare		
		Spare	20	1	11				12	20	1	Spare		
		SPACE	20	1	13				14	20	1	SPACE		
		SPACE	20	1	15				16	20	1	SPACE		
		SPACE	20	1	17				18	20	1	SPACE		
		SPACE	20	1	19				20	20	1	SPACE		
		SPACE	20	1	21				22	20	1	SPACE		
		SPACE	20	1	23				24	20	1	SPACE		
		SPACE	20	1	25				26	20	1	SPACE		
		SPACE	20	1	27				28	20	1	SPACE		
		SPACE	20	1	29				30	20	1	SPACE		
		SPACE	20	1	31				32	20	1	SPACE		
		SPACE	20	1	33				34	20	1	SPACE		
		SPACE	20	1	35				36	20	1	SPACE		
		SPACE	20	1	37				38	20	1	SPACE		
		SPACE	20	1	39				40	20	1	SPACE		
		SPACE	20	1	41				42	20	1	SPACE		
SPECIAL PANEL									NOTE #1					
NOTE									NOTE #2					

NHL= Non Harmonic Load	TOTAL LOAD PER PHASE	32600	21000	11600	
LCL= Long Continuous Load	25% LONG CONTINUOUS LOADS	0	0	0	
	SUB PANEL				
Max. Neut. Load	SUB PANEL				
462 AMPS	TOTAL CONNECTED LOAD	32600	21000	11600	

HIGH PHASE	32600	/ 0.9pf = VA @ 120V	301.9	AMPS
ALL PHASES	65200	/ 0.9pf = VA @ 208V/3PH	201.2	AMPS
DEMAND PER	X	NEC 220-34	151	AMPS



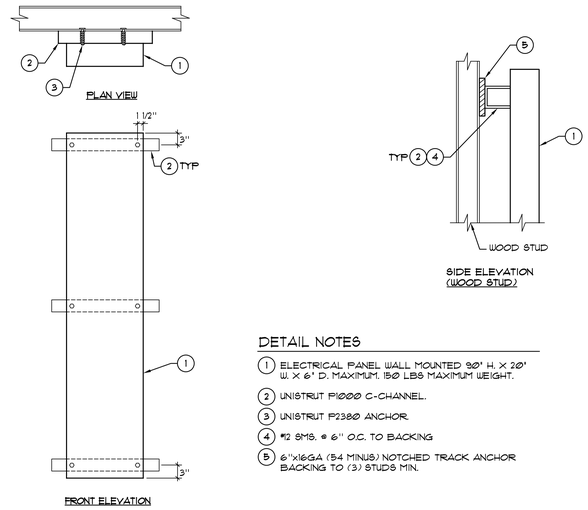
DETAIL GENERAL NOTES

1. PROVIDE FOR ALL PANELBOARDS FOR THIS PROJECT - SURFACE, RECESSED NEMA 1, OR NEMA 3R CONFIGURATION.
2. SEE REFERENCE ONE LINE DIAGRAM FOR ALL PANELBOARD AIC RATINGS.

TYPICAL PANELBOARD DOOR / TRIM DETAIL

NO SCALE

DET- P27 — 3 / E7.2



DETAIL NOTES

1. ELECTRICAL PANEL WALL MOUNTED 90" H. X 20" W. X 6" D. MAXIMUM. 150 LBS MAXIMUM WEIGHT.
2. UNISTRUT P1000 C-CHANNEL.
3. UNISTRUT P2380 ANCHOR.
4. #12 SMS. @ 6" O.C. TO BACKING
5. 6"X16GA (54 MINUS) NOTCHED TRACK ANCHOR BACKING TO (3) STUDS MIN.

SURFACE WALL MOUNTED ELECTRICAL PANEL DETAIL

NO SCALE

4 / E7.2

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

KEYNOTES

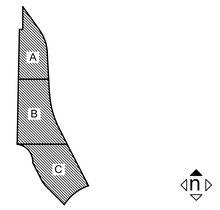
NOTES

JOHNSON CONSULTING ENGINEERS, INC.
Power | Lighting | Multimedia
Communications | Data Networking
12875 Brookprinter Place, Suite 300
Poway, CA 92064
P 858.679.4030 | F 858.513.0559
www.jce-inc.com

REGISTERED PROFESSIONAL ENGINEER — No. E 14781 Exp. 6-30-2019 — ELECTRICAL — STATE OF CALIFORNIA

#17057.03 — 10/3/2017

Key Plan



Consultant Seal

Agency Approval — FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS ____ FLS ____ SSS ____
DATE ____

Project Title

PALOMAR COLLEGE — Learning for Success

Palomar North Education Center

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/6/2017

Drawing Title:

PANEL SCHEDULES

Architect's Seal

LICENSED ARCHITECT — JAMES V. FRANCIS — NO. C-32437 — REN. 02-28-19 — STATE OF CALIFORNIA

Designed:	JF	Project No.	5015019-102
Drawn:	AO	Scale:	
QA/QC	RG	Drawing No.	E7.2
Date:	10/6/2017		

PLEASE RECYCLE

DSA SUBMITTAL

TELECOM LEGEND

SYMBOL	DESCRIPTION
-	NOTE CALLOUT
- / -	DETAIL CALLOUT - NUMBER ON TOP DENOTES DETAIL NUMBER - NUMBER ON BOTTOM DENOTES SHEET DETAIL IS SHOWN
1	BUILDING NUMBER
	UNDERGROUND CONDUIT
	CONDUIT TURNED UP
	CONDUIT TURNED DOWN
	CONDUIT WITH CAP
W	WALL MOUNTED PHONE. STUB A 1-1/4" C.O. UP 6' ABOVE THE ACCESSIBLE CEILING AND PROVIDE A BUSHING. PROVIDE RANDL 5S BOX T-55017 MINIMUM WITH SINGLE GANG RING. PROVIDE AND INSTALL (1) CAT 6A CABLES/JACKS TERMINATED IN A SINGLE-PORT STAINLESS STEEL FACEPLATE.
#	COMBINATION TELEPHONE AND DATA OUTLET BOX, WALL MOUNTED. STUB A 1-1/4" C.O. UP 6' ABOVE THE ACCESSIBLE CEILING AND PROVIDE A BUSHING. PROVIDE RANDL 5S BOX T-55017 MINIMUM WITH SINGLE GANG RING. (#) DENOTES THE QUANTITY OF CABLES PER OUTLET.
D	DATA OUTLET BOX, FLUSH MOUNTED IN CEILING. PROVIDE AND INSTALL (2) CAT 6A CABLES/JACKS TERMINATED IN A 4-PORT FACEPLATE.
	COMBINATION TELEPHONE AND DATA OUTLET BOX, WALL MOUNTED. STUB A 1-1/4" C.O. UP 6" ABOVE THE ACCESSIBLE CEILING AND PROVIDE A BUSHING. PROVIDE RANDL 5S BOX T-55017 MINIMUM WITH SINGLE GANG RING. PROVIDE AND INSTALL (2) CAT 6A CABLES/JACKS TERMINATED IN A 4-PORT FACEPLATE.
(#)	COMBINATION TELEPHONE AND DATA OUTLET BOX, MOUNTED IN FLOOR BOX OR POKE-THRU PER PLAN FOR FLEXIBLE CONNECTION TO FURNITURE SYSTEM. VERIFY CONNECTION REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN - MOUNT FLUSH IN FLOOR WHEN INDICATED IN A FLOOR BOX OR POKE-THRU SYMBOL. (#) DENOTES THE QUANTITY OF CABLES PER OUTLET.
WAP	INTERIOR WIRELESS ACCESS POINT - CEILING MOUNTED, FURNISH AND INSTALL (2) CAT6A CABLE IN SURFACE MOUNT MODULAR OUTLET. FURNISH AND INSTALL OBERON WAP MOUNT AT EACH ACCESS LOCATION, MODEL #1046-CC0AP3800. COORDINATE OBERON MOUNT WITH CEILING INSTALLATION.
WAP	EXTERIOR WIRELESS ACCESS POINT - WALL MOUNTED, FURNISH AND INSTALL (2) CAT6A CABLE IN SURFACE MOUNT MODULAR OUTLET. FURNISH AND INSTALL TESSCO ENCLOSURE BOX WITH ANTENNA MODEL# 502103. COORDINATE INSTALLATION AND WAP REQUIREMENT WITH CAMPUS IT
	CABLE LADDER TRAY, SIZE AS NOTED ON DRAWING. C.C. CONTRACTOR TO PROVIDE AND INSTALL CABLE TRAY.
	19" X 7' EQUIPMENT RACK
	TELECOMMUNICATIONS PULLBOX
	VERTICAL WIRE MANAGER, SIZE AS NOTED ON DRAWING.
	TELECOMMUNICATIONS EQUIPMENT CABINET, SIZE AS NOTED ON DRAWINGS

TELECOM RESPONSIBILITY MATRIX

TASK	PARTY
TELECOM CONDUIT, BACKBOXES, SLEEVES	EC
TELECOM CONDUIT ID LABELING AND PULLSTRINGS	EC
POWER TO MDF/IDF CABINETS AND RACKS	EC
GROUNDING FOR TELECOM	EC
TELECOM EQUIPMENT (WAP DEVICES, NETWORK SWITCHS, ROUTERS, SERVERS)	OFOI
TELECOM CABLING AND TERMINATION	CC
TELECOM FACEPLATES AND DIVIDERS	CC
WAP VENTEV/TERRAWAVE EXTERIOR MOUNT BOX W/ANTENNA	CC
NETWORK CABINETS	OFCI
NETWORK RACKS/MANAGERS	CC

LEGEND

GC	GENERAL CONTRACTOR
EC	ELECTRICAL CONTRACTOR
CC	COMMUNICATIONS CONTRACTOR
SC	SECURITY CONTRACTOR
AVC	AUDIO VISUAL CONTRACTOR
ELITE	ELITE MODULAR

TELECOM GENERAL NOTES

1. ALL TELECOMMUNICATIONS WORK SHALL COMPLY WITH THE LATEST EDITION OF THE PALOMAR COLLEGE TELECOMMUNICATIONS INFRASTRUCTURE STANDARDS AND ALL OTHER APPLICABLE FEDERAL, STATE AND LOCAL CODES. WHERE THE CONSTRUCTION DOCUMENTS INDICATE MORE RESTRICTIVE REQUIREMENTS, THE DOCUMENTS SHALL GOVERN BUT THE CONSTRUCTION DOCUMENTS SHALL NOT BE INTERPRETED AS AUTHORITY TO VIOLATE ANY CODE OR REGULATION.
2. IN THE EVENT OF A CONFLICT OR INCONSISTENCY BETWEEN ITEMS INDICATED ON THE PLANS AND/OR SPECIFICATIONS OR WITH CODE REQUIREMENTS, THE NOTE SPECIFICATION OR CODE WHICH PRESCRIBES AND ESTABLISHES THE MORE COMPLETE JOB OR THE HIGHER STANDARD SHALL PREVAIL.
3. OMISSIONS FROM THE DRAWINGS OR SPECIFICATIONS OR THE MISDESCRIPTION OF DETAILS OF WORK WHICH ARE CLEAR AND NECESSARY TO CARRY OUT THE INTENT OF THE DRAWINGS AND SPECIFICATIONS, OR WHICH ARE CUSTOMARILY PERFORMED, SHALL NOT RELIEVE THE CONTRACTOR FROM PERFORMING SUCH OMITTED OR MISDESCRIBED DETAILS OF THE WORK BUT THEY SHALL BE PERFORMED AS IF FULLY AND CORRECTLY SET FORTH AND DESCRIBED IN THE DRAWINGS AND SPECIFICATIONS.
4. THE CONTRACTOR SHALL CHECK ALL DRAWINGS FURNISHED IMMEDIATELY UPON THEIR RECEIPT AND SHALL PROMPTLY NOTIFY THE OWNER OF ANY DISCREPANCIES.
5. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BEAR THE UNDERWRITERS LABEL (UL) AND SHALL BE INSTALLED IN THE MANNER FOR WHICH THEY ARE DESIGNED AND APPROVED.
6. THE CONTRACTOR SHALL NOT BORE, NOTCH OR IN ANYWAY CUT INTO ANY STRUCTURAL MEMBER WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT OR STRUCTURAL ENGINEER.
7. FOR PURPOSES OF CLEARNESS AND LEGIBILITY THE TELECOM DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC. THE SIZE AND LOCATION OF EQUIPMENT IS SHOWN TO SCALE WHEREVER POSSIBLE. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DATA INFORMATION AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATION SECTIONS WHERE TELECOM WORK INTERFACES WITH OTHER TRADES.
8. USE "J" HOOKS FOR THE BULK OF THE STATION CABLE DISTRIBUTION. DO NOT USE CEILING TILE WIRE HANGERS, WATER OR ELECTRICAL PIPES, OR LIGHT FIXTURES TO HANG CABLE. CABLE MUST BE A MINIMUM OF SIX INCHES ABOVE THE CEILING TILE AND MUST NOT COME WITHIN TWELVE INCHES OF A LIGHT FIXTURE.
9. ALL STATION CABLES SHALL BE NEATLY DRESSED AND SECURED EVERY FIVE FEET AT A MAXIMUM.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILING TILE INCLUDING REPLACEMENT OF BROKEN OR DAMAGED TILES.
11. ALL LOCATIONS PASSING THROUGH A FIRE OR A SMOKE BARRIER MUST BE FIRE STOPPED USING APPROVED (UL CLASSIFIED) FIRE STOP MATERIAL INSTALLED, PER THE MANUFACTURER'S INSTRUCTIONS.
12. ALL STATION CABLE SHALL BE PLACED WITH A MINIMUM 2 METER MAINTENANCE LOOP ABOVE CEILING AT OUTLET LOCATION. A MINIMUM MAINTENANCE LOOP OF 1 METER SHALL BE PRODUCED AT IDF LOCATION IN LADDER RACK.
13. CONDUIT SHALL BE FILLED TO MAXIMUM CAPACITY (PER STANDARD) BEFORE UTILIZING ANOTHER VACANT CONDUIT.
14. ALL STATION OUTLETS AND TERMINALS INCLUDING EXISTING SHALL BE PROPERLY IDENTIFIED USING THE STANDARD CAMPUS INTERNAL DISTRIBUTION NUMBERING SCHEME. ALL LABELS BE PREPRINTED OR TYPED.
15. EACH OSP CABLE SHALL BE EQUIPPED WITH A PERMANENT LABEL INDICATING CABLE TYPE, PAIR OR OPTIC COUNTS, DISTANT END AND CABLE LENGTH. BOTH ENDS SHALL OF EACH CABLE SHALL BE SO LABELED.
16. FIBER CABLE SHALL BE PLACED WITH SIX METER (6) MAINTENANCE LOOP AT BOTH ENDS OF THE RUN. THE MAINTENANCE LOOP SHALL BE SECURED IN SUCH A MANNER TO PROVIDE PROTECTION DURING SUBSEQUENT CABLE PULLS.
17. ANY DEVIATIONS FROM PLANS OR SPECIFICATIONS MUST BE APPROVED IN WRITING BY THE ENGINEER AND DISTRICT REPRESENTATIVE.
18. ALL NEW STATION CABLES/OUTLETS SHALL BE TESTED AND DOCUMENTED USING A PAIR SCANNER SPECIFICALLY DESIGNED TO TEST THE TYPE OF CABLE INSTALLED. TEST RESULTS SHALL BE ONE PAGE PER AND NOTED WITH THE STATION/JACK NUMBERING SCHEME THAT IS STANDARDIZED FOR THE DISTRICT.
19. ALL WORK SHALL BE COMPLETED IN A NEAT AND PROFESSIONAL MANNER. THE WORK SITE SHALL BE KEPT CLEAN AND ALL DAMAGE TO DISTRICT PROPERTY REPAIRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONDUCTING A FINAL CLEANUP OF THE WORK SITE PRIOR TO FINAL SYSTEM ACCEPTANCE.
20. LADDER RACK SHALL BE PLACED IN BDF/IDF ROOMS AS SHOWN ON DRAWINGS AND AS REQUIRED TO PROPERLY SECURE CABLES AND WIRE.
21. ALL FOOTAGES ON DRAWINGS ARE ESTIMATED AND MUST BE VERIFIED BY CONTRACTOR PRIOR TO ORDERING MATERIAL.
22. ALL CABLE TRAYS, LADDER RACKS, CONDUIT, EQUIPMENT RACKS, PROTECTOR PANELS, AND CABLE SHEATHS SHALL BE BONDED & GROUNDED TO EQUIPMENT GROUND WITH #6 WIRE.
23. PULL ROPES SHALL BE PLACED IN ALL VACANT CONDUITS.
24. ALL CHANGES TO STRUCTURES (BUILDING, DRILLING, CORING, ETC.) NOT SHOWN ON THE DRAWINGS SHALL BE APPROVED IN WRITING BY STRUCTURAL ENGINEER.
25. PULLBOXES MUST BE USED ON ANY INTRA-BUILDING CONDUIT RUN MORE THAN 100 FEET IN LENGTH OR WITH MORE THAN 180 DEGREES OF BEND. PULLBOXES SHALL BE A MINIMUM OF TWELVE (12) TIMES THE DIAMETER OF THE LARGEST CONDUIT. ALL COMMUNICATIONS CONDUIT SHALL ENTER AND LEAVE PULL BOXES IN THE SAME DIRECTION - NO RIGHT ANGLE BENDS WILL BE ALLOWED WITHIN PULL BOXES.

AUDIOVISUAL LEGEND

D1	DISPLAY BACK BOX WITH POWER AND DATA. LEGRAND EFSB4 BACK BOX.
AV	INSTRUCTOR POSITION POWER, PHONE AND DATA. INSTRUCTOR POSITION, STUB 1.25" CONDUIT TO CEILING FOR AV.
P	CEILING MOUNT PROJECTOR BACK BOX, LEGRAND ECB WITH ECB-CBKIT. PART NUMBER FOR REFERENCE ONLY.
S	CEILING MOUNTED A/V SPEAKERS.
S	EMERGENCY PAGING SPEAKERS. ELECTRICAL CONTRACTOR SHALL PROVIDE (1) 1" CONDUIT TO ACCESSIBLE CEILING SPACE. REFER TO TAV/4.01 FOR CABLING DETAILS

A/V RESPONSIBILITY MATRIX

TASK	PARTY
AV CONDUIT, BACKBOXES, SLEEVES	EC
AV CONDUIT ID LABELING AND PULLSTRINGS	EC
POWER TO AUDIOVISUAL EQUIPMENT	EC
AV EQUIPMENT STRUCTURAL SUPPORTS (SCREENS, DISPLAY BACKING, SPEAKERS)	EC
AV EQUIPMENT RACKS AND CREDENZA CABINET INSTALLATION	AVC
AV EQUIPMENT (MANUAL SCREENS, PROJECTORS, DISPLAYS, SPEAKERS)	AVC
AV CABLING AND TERMINATION	AVC
AV FACEPLATES AND DIVIDERS	AVC

LEGEND

GC	GENERAL CONTRACTOR
EC	ELECTRICAL CONTRACTOR
CC	COMMUNICATIONS CONTRACTOR
SC	SECURITY CONTRACTOR
AVC	AUDIO VISUAL CONTRACTOR
ELITE	ELITE MODULAR

AUDIOVISUAL GENERAL NOTES

1. THE CONDUIT DIAGRAMS SHOWN ON THESE DRAWING SETS ARE FOR AV CABLING ONLY. THE DIAGRAMS ARE SHOWN ONLY FOR INTENT, AND ACTUAL ROUTING SHALL BE BASED ON FIELD CONDITIONS.
2. ELITE MODULAR SHALL PROVIDE ALL CONDUIT, JUNCTION BOXES, CABLE TRAYS, PULL STRING, ENCLOSURES, FLOOR BOXES, POWER RECEPTACLES AND POWER CONNECTIONS IDENTIFIED IN THESE DRAWINGS AND SPECIFICATIONS.
3. ALL CONDUIT CONNECTORS SHALL BE FURNISHED WITH NYLON BUSHINGS AND CHASE NIPPLES TO PREVENT DAMAGE TO CABLES FROM UNEVENLY CUT CONDUIT.
4. ALL JUNCTION BOXES IN WALLS AND CEILINGS SHALL BE FLUSH MOUNTED, AND CONDUITS SHALL BE CONCEALED UNLESS OTHERWISE NOTED.
5. CAULK OR SEAL PENETRATIONS THAT ARE MADE THROUGH ACOUSTIC WALLS WITH ACOUSTICAL SEALANT.
6. DIMENSIONS ARE INDICATED ON AUDIOVISUAL DRAWINGS WHERE CRITICAL TO THE INSTALLATION OF THE AUDIOVISUAL DEVICES. WHERE INFORMATION AND REQUIREMENTS CONFLICT WITH SPECIFICATIONS AND DESIGNS DELINEATED ELSEWHERE, THE GENERAL CONTRACTOR SHALL IMMEDIATELY BRING SUCH CONFLICTS TO THE ATTENTION OF THE ARCHITECT.
7. ELITE MODULAR SHALL PROVIDE STRUCTURAL SUPPORT FOR MOUNTING OF PROJECTION SCREEN AT LOCATIONS DESIGNATED IN THESE DRAWINGS. THIS SHALL ALSO INCLUDE, BUT NOT BE LIMITED TO, BLOCKING FOR WALL MOUNTED DEVICES AND OVERHEAD SUPPORT FOR CEILING MOUNTED PROJECTORS AND PROJECTION SCREENS. REFER TO ARCHITECTURAL DRAWINGS FOR SUPPORT DETAILS AND REQUIREMENTS.
8. DATA OUTLETS AND POWER OUTLETS ARE SHOWN FOR REFERENCE ONLY. REFER TO THE TELECOMMUNICATION DRAWINGS FOR EXACT LOCATION OF THE DATA/ COMMUNICATION OUTLETS AND TO THE ELECTRICAL DRAWINGS FOR THE EXACT LOCATION OF THE POWER RECEPTACLES.
9. CEILING MOUNTED SPEAKER ENCLOSURES SHALL BE SUPPORTED FROM OVERHEAD STRUCTURE. DO NOT HANG SPEAKER ENCLOSURES FROM CEILING.
10. GENERAL CONTRACTOR SHALL PROVIDE PULL STRINGS WITH DESTINATION LABEL IN ALL CONDUIT SPECIFIED IN AUDIOVISUAL DRAWINGS.
11. GENERAL CONTRACTOR SHALL PROVIDE BLANK COVER PLATES AT ALL AUDIOVISUAL JUNCTION BOXES. VERIFY ALL DEVICE PLATE FINISHES WITH ARCHITECT.
12. COORDINATE MOUNTING HEIGHTS AND LOCATIONS OF ALL AUDIOVISUAL JUNCTION BOXES AND DEVICES WITH ARCHITECT.
13. SOME JUNCTION BOXES AND ENCLOSURES SPECIFIED IN AUDIOVISUAL DRAWINGS MAY BE DEEPER THAN STANDARD WALL DEPTH. COORDINATE WITH ARCHITECT TO VERIFY INSTALLATION REQUIREMENTS AND DETAILING. AT A MINIMUM, OUTLET BOXES SHALL BE AT LEAST 3.5" DEEP.
14. WHERE MORE THAN ONE CONDUIT TERMINATES IN A JUNCTION BOX, ELITE MODULAR SHALL LABEL EACH CONDUIT IN A MANNER ALLOWING IDENTIFICATION OF CONDUITS AFTER WALL FINISHED ARE APPLIED.
15. ALL CONDUITS SPECIFIED SHALL BE EMT OR RIGID GALVANIZED TYPE. FLEXIBLE STEEL CONDUITS MAY BE USED IN RUNS OF 72" OR LESS. FLEXIBLE CONDUITS SHALL NOT BE ALLOWED WHERE ACCESS CANNOT BE PROVIDED TO THE FULL LENGTH OF THE CONDUIT RUN. PVC IS UNACCEPTABLE UNLESS OTHERWISE NOTED.

SECURITY LEGEND

ACP	ACCESS CONTROL PROXIMITY CARD/FOB READER. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL 4" SQ DEEP JUNCTION BOX AT SWITCH HEIGHT WITH A 1" EMT CONDUIT CONNECTED TO ABOVE DOOR JUNCTION BOX. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONDUIT, CONDUIT SUPPORT, CONNECTORS, COUPLINGS, PLASTIC BUSHINGS, PULL STRINGS, OUTLET BOX AND MUD RING.
EP	WALL MOUNTED EMERGENCY PHONE. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL 4" SQ DEEP JUNCTION BOX AT SWITCH HEIGHT WITH A 1" EMT CONDUIT TO ACCESSIBLE CEILING SPACE. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONDUIT, CONDUIT SUPPORT, CONNECTORS, COUPLINGS, PLASTIC BUSHINGS, PULL STRINGS, OUTLET BOX AND MUD RING.
AS	SECURITY ALARM DUAL TECHNOLOGY MOTION SENSOR (CEILING MOUNTED).
KP	ACCESS CONTROL KEY PAD. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL 4" SQ DEEP JUNCTION BOX AT SWITCH HEIGHT WITH A 1" EMT CONDUIT TO ACCESSIBLE CEILING SPACE. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONDUIT, CONDUIT SUPPORT, CONNECTORS, COUPLINGS, PLASTIC BUSHINGS, PULL STRINGS, OUTLET BOX AND MUD RING.
EDH	ACCESS CONTROL ELECTRONIC DOOR HARDWARE. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL 1" EMT CONDUIT CONNECTED TO THE DOOR CONTACT OUTLET BOX
REX	ACCESS CONTROL REQUEST TO EXIT SENSOR. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL 1" EMT CONDUIT CONNECTED TO THE DOOR CONTACT OUTLET BOX
SDC	ACCESS CONTROL DOOR CONTACT SENSOR. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL 4" SQ DEEP JUNCTION BOX ABOVE DOOR WITH A 1" EMT CONDUIT STUBBED INTO NEAREST ACCESSIBLE CEILING SPACE. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONDUIT, CONDUIT SUPPORT, CONNECTORS, COUPLINGS, PLASTIC BUSHINGS, PULL STRINGS, OUTLET BOX AND MUD RING.
	OUTDOOR RATED WALL MOUNTED CAMERA. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL 4" SQ DEEP JUNCTION BOX WITH 1" EMT CONDUIT STUBBED INTO NEAREST ACCESSIBLE CEILING SPACE (LO.N). ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT SUPPORT, CONNECTORS, COUPLINGS, PLASTIC BUSHING, PULL STRING, OUTLET BOX, AND MUD RING. EACH CAMERA TO HAVE (1) CATEGORY 6A CABLE PROVIDED BY SECURITY CONTRACTOR.
ACP	SECURITY ACCESS CONTROL PANEL.

SECURITY GENERAL NOTES

1. ELITE MODULAR SHALL PROVIDE ALL CONDUIT, JUNCTION BOXES, CABLE TRAYS, PULL STRING, ENCLOSURES, FLOOR BOXES, POWER RECEPTACLES AND POWER CONNECTIONS IDENTIFIED IN THESE DRAWINGS AND SPECIFICATIONS.
2. ALL CONDUIT RUNS SHALL BE CONTINUOUS FROM END TO END. NO CONDUIT RUNS SHALL EXCEED 100 FEET.
3. ALL CONDUIT CONNECTORS SHALL BE FURNISHED WITH NYLON BUSHINGS AND CHASE NIPPLES TO PREVENT DAMAGE TO CABLES FROM UNEVENLY CUT CONDUIT.
4. ALL JUNCTION BOXES IN WALLS AND CEILINGS SHALL BE FLUSH MOUNTED, AND CONDUITS SHALL BE CONCEALED UNLESS OTHERWISE NOTED.
5. CAULK OR SEAL PENETRATIONS THAT ARE MADE THROUGH ACOUSTIC WALLS WITH ACOUSTICAL SEALANT.

SECURITY RESPONSIBILITY MATRIX

TASK	PARTY
SECURITY CONDUIT, BACKBOXES, SLEEVES	ELITE
SECURITY CONDUIT ID LABELING AND PULLSTRINGS	ELITE
POWER TO ACS SECURITY EQUIPMENT	ELITE
SECURITY EQUIPMENT (CAMERAS, ACS DEVICE, HEADEND EQUIPMENT)	SC
ACCESS CONTROL AND INTRUSION CABLING AND TERMINATION	SC
SECURITY FACEPLATES AND DIVIDERS	SC
DOOR HARDWARE PROCURE AND INSTALL	GC
SECURITY CATEGORY CABLING AND TERMINATION	CC

LEGEND

GC	GENERAL CONTRACTOR
EC	ELECTRICAL CONTRACTOR
CC	COMMUNICATIONS CONTRACTOR
SC	SECURITY CONTRACTOR
AVC	AUDIO VISUAL CONTRACTOR
ELITE	ELITE MODULAR

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
A OR AMP	AMPERES
ACCU	AIR COOLED CONDENSING UNIT
ACS	ACCESS CONTROL SYSTEM
AFF	ABOVE FINISHED FLOOR
AIC	AMPERE INTERRUPTING CAPACITY
ARCH.	ARCHITECT; ARCHITECTURAL
AWG	AMERICAN WIRE GAUGE
BDF	BUILDING DISTRIBUTION FRAME
C	CONDUIT
CKT	CIRCUIT
CLG.	CEILING
C.O.	CONDUIT ONLY WITH PULL WIRE
CU	COPPER
DWG	DRAWING
EA	EACH
EMT	ELECTRICAL METALLIC TUBING
ENT	ELECTRICAL NONMETALLIC TUBING
EQUIP	EQUIPMENT
EXIST / (E)	EXISTING
E/W	EQUIPPED WITH
FCU	FAN COIL UNIT
FIN.	FINISH
FIXT	FIXTURE
FLR	FLOOR
FLUOR	FLUORESCENT
FOC	FIBER OPTIC CABLE
FT	FEET
FTU	FIBER TERMINAL UNIT
GFI	GROUND FAULT INTERRUPTER
GRC	GALVANIZED RIGID CONDUIT
GND	GROUND
IDF	INTERMEDIATE DISTRIBUTION FRAME
IDS	INTRUSION DETECTION SYSTEM
JB	JUNCTION BOX
LTG.	LIGHTING
MDF	MAIN DISTRIBUTION FRAME
MH	MOUNTING HEIGHT
MM	MULTIMODE
MTG.	MOUNTING
N	NORTH
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
NO.	NUMBER
PH	PHASE
PNL	PANEL
PWR	POWER
PRO	PROTECTED TERMINAL
POE	POWER OVER ETHERNET
REC/RECEPT	RECEPTACLE
REQ'D	REQUIRED
RM	ROOM
SF	SQUARE FEET
SHT	SHEET
SM	SINGLE MODE
SMJ	SURFACE MOUNTED J-BOX
SP	SINGLE POLE
SPECS	SPECIFICATIONS
SW	SWITCH
TYP	TYPICAL
TERM	TERMINATION
UG	UNDERGROUND
U.O.N.	UNLESS OTHERWISE NOTED
V	VOLTS
V-A	VOLT-AMPERES
W	WATTS
W/	WITH
W/O	WITHOUT
WAP	WIRELESS ACCESS POINT
GC	GENERAL CONTRACTOR
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED

SHEET INDEX

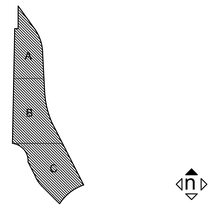
SHEET	DESCRIPTION
T1.00	GENERAL NOTES, LEGEND AND ABBREVIATIONS
T1.01	INTERIM VILLAGE SITE PLAN
T2.01	FLOOR PLAN
T2.02	FLOOR PLAN
T2.03	FLOOR PLAN
T3.01	ENLARGED MDF FLOOR PLAN
T3.02	ENLARGED IDF ROOMS FLOOR PLAN
T4.01	SINGLE LINE DIAGRAM
T4.02	SINGLE LINE DIAGRAM
T5.01	DETAILS
T5.02	DETAILS
T5.03	DETAILS
T5.04	DETAILS
TAV4.01	AUDIOVISUAL SYSTEM DIAGRAM PAGING SYSTEM

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

KEYNOTES

NOTES

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS____ FLS ____ SSS ____
DATE ____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/06/2017

Drawing Title:

General Notes, Legend And Abbreviations

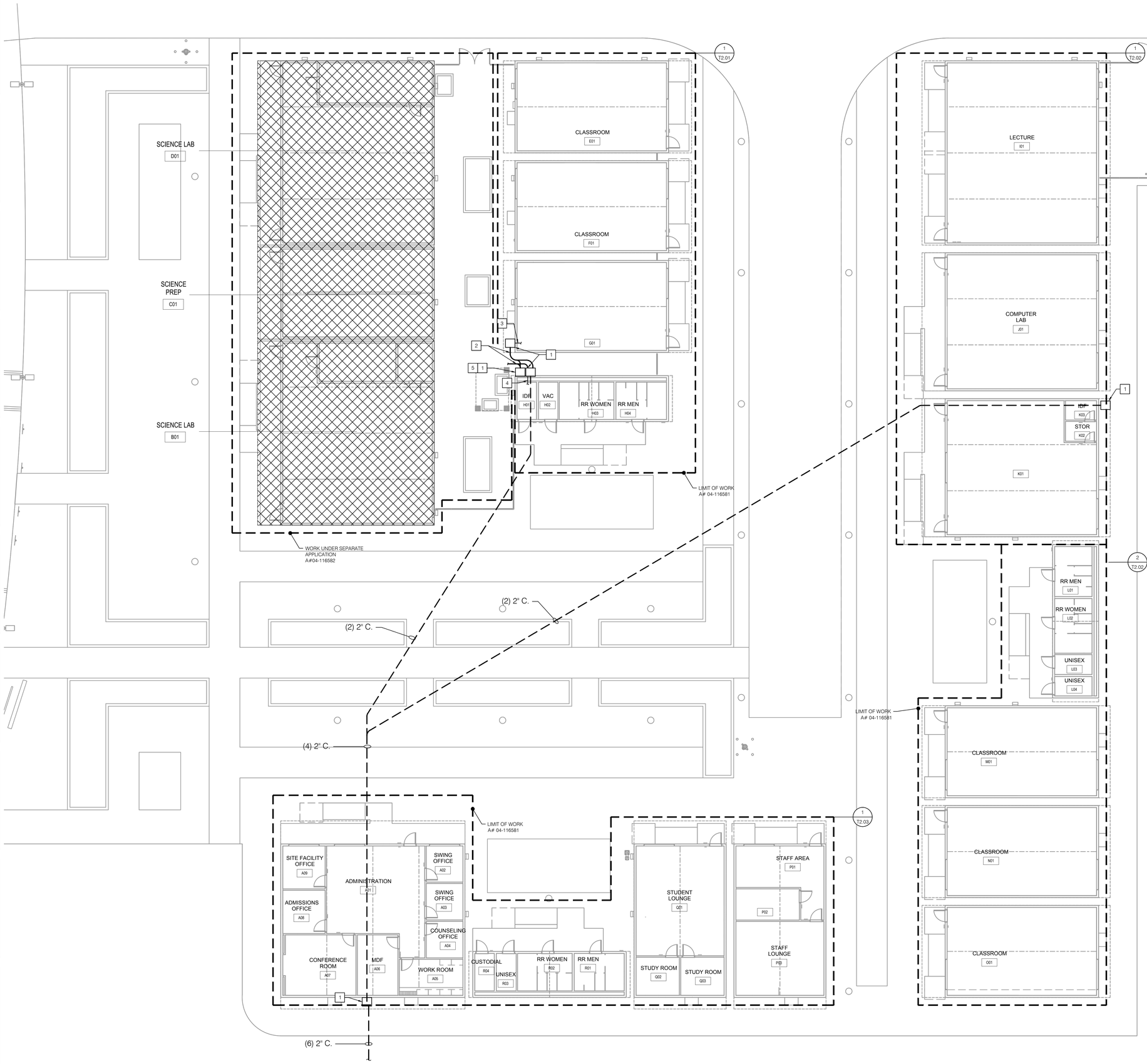
Architect's Seal

LICENSED ARCHITECT
STEVEN E. CLARK
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed:	JQ	Project No.	5015019-102
Drawn:	JQ	Scale:	No Scale
QAQC	ER	Drawing No.	T1.00
Date:	10/06/2017		

PLEASE RECYCLE

DSA SUBMITTAL



HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

KEYNOTES

1. FURNISH AND INSTALL 24" x 36" x 6" WALL MOUNTED PULLBOX.
2. PROVIDE AND INSTALL (5) 2" UNDERGROUND CONDUIT.
3. PROVIDE AND INSTALL (5) 2" CONDUIT STUBBED INTO THE CEILING SPACE.
4. PROVIDE AND INSTALL (3) 4" CONDUIT STUBBED INTO THE CEILING SPACE OF IDF ROOM.
5. PULLBOX DEDICATED TO EMERGENCY PAGING SPEAKER CABLING.

NOTES

Key Plan

Consultant Seal

Agency Approval — FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS____ FLS____ SSS____
DATE ____

Project Title

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/06/2017

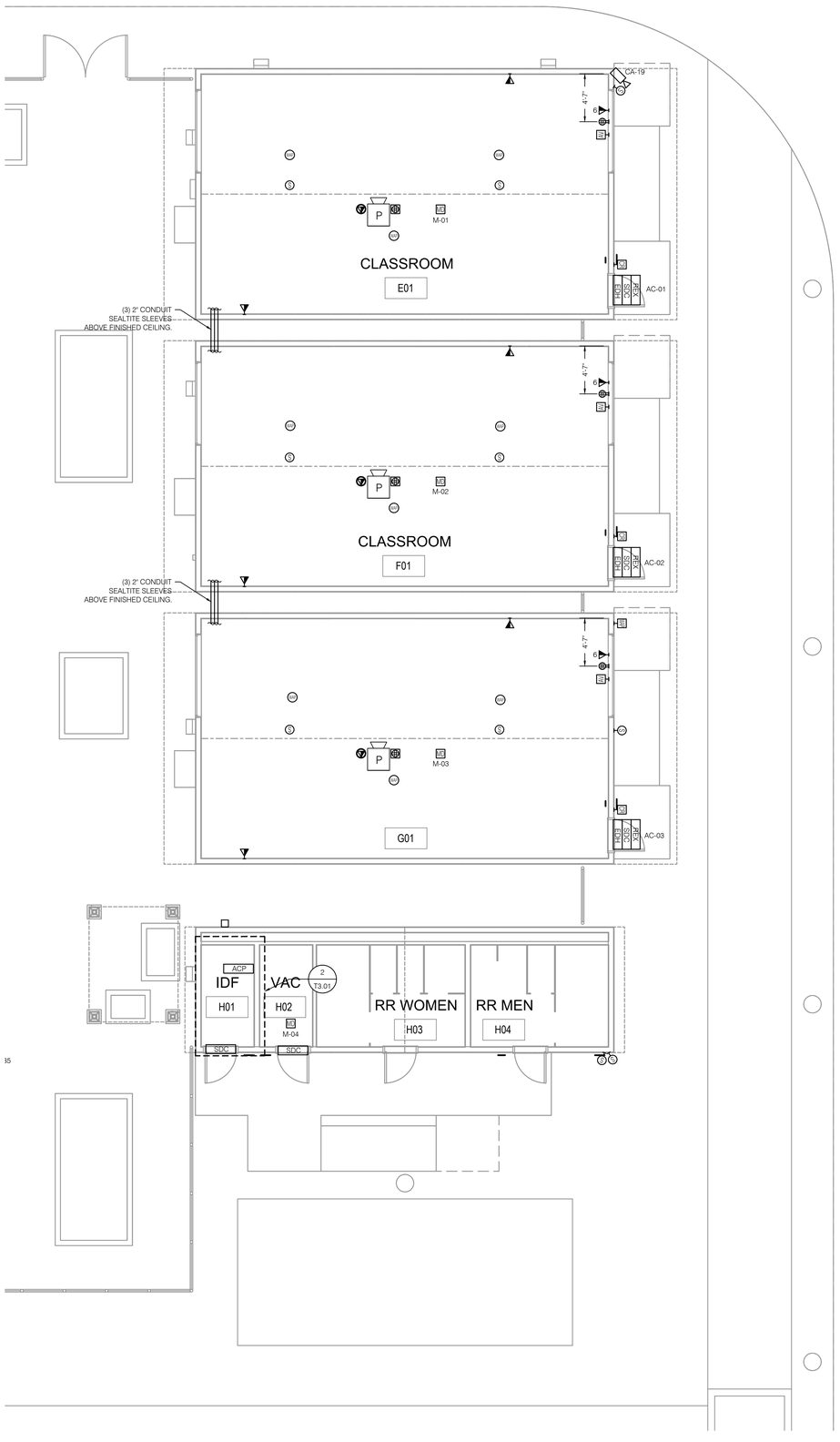
Drawing Title:
Interim Village Site Plan

Architect's Seal
LICENSED ARCHITECT — ASHLEY E. GLASS — NO. C-32437 — REN. 02-28-19 — STATE OF CALIFORNIA

Designed:	ER	Project No.	5015019-102
Drawn:	JQ	Scale:	1" = 10'-0"
QAQC	ER	Drawing No.	T1.01
Date:	10/06/2017		

PLEASE RECYCLE

DSA SUBMITTAL

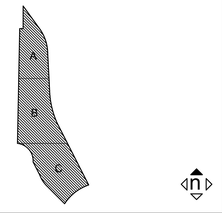


HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

KEYNOTES

NOTES

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS____ FLS ____ SSS ____
DATE ____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/06/2017

Drawing Title:
Floor Plan

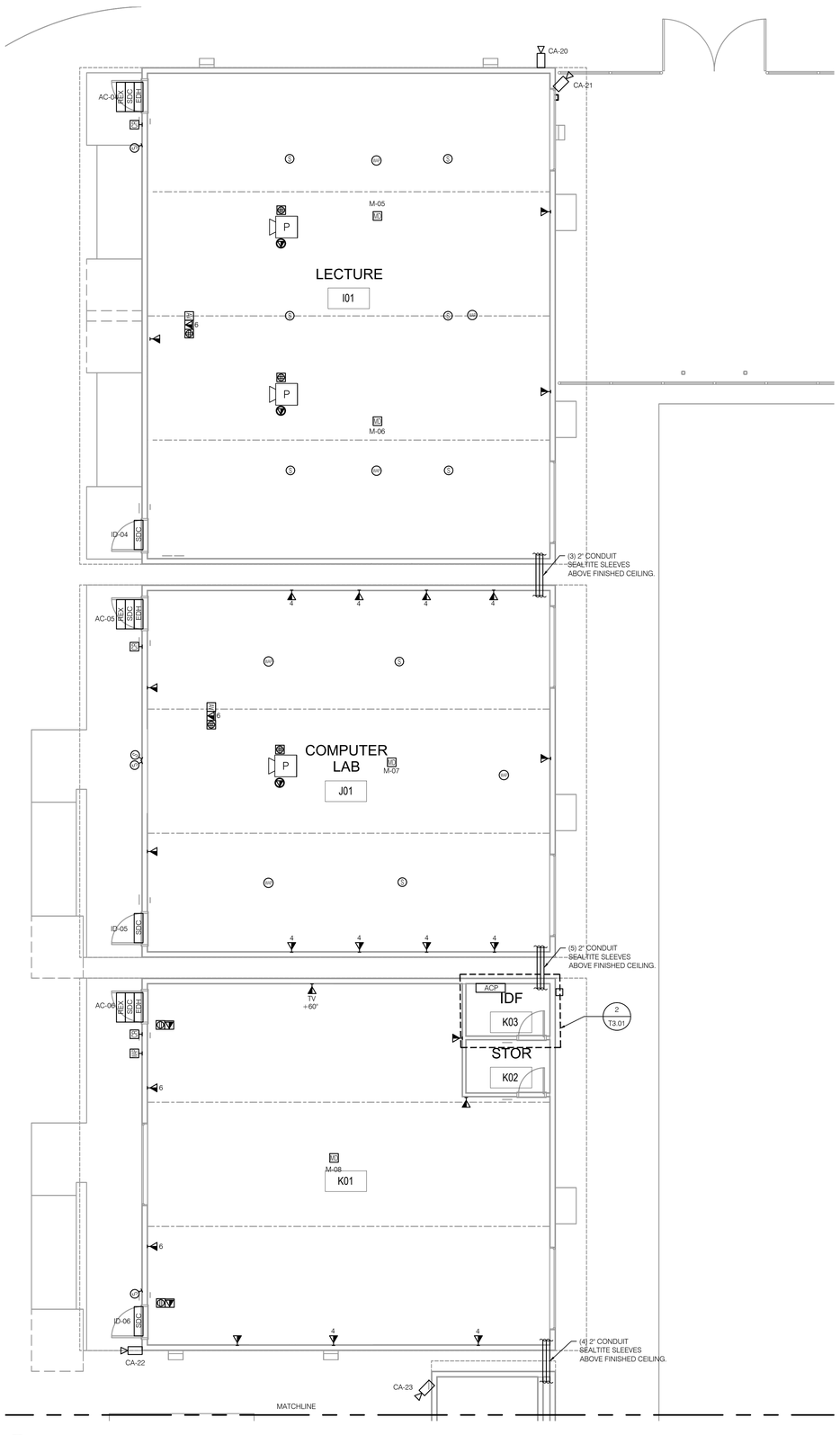
Architect's Seal

LICENSED ARCHITECT
BRADLEY S. CLARK
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed:	ER	Project No.	5015019-102
Drawn:	JQ	Scale:	3/16" = 1'-0"
QAQC	ER	Drawing No.	T2.01
Date:	10/06/2017		

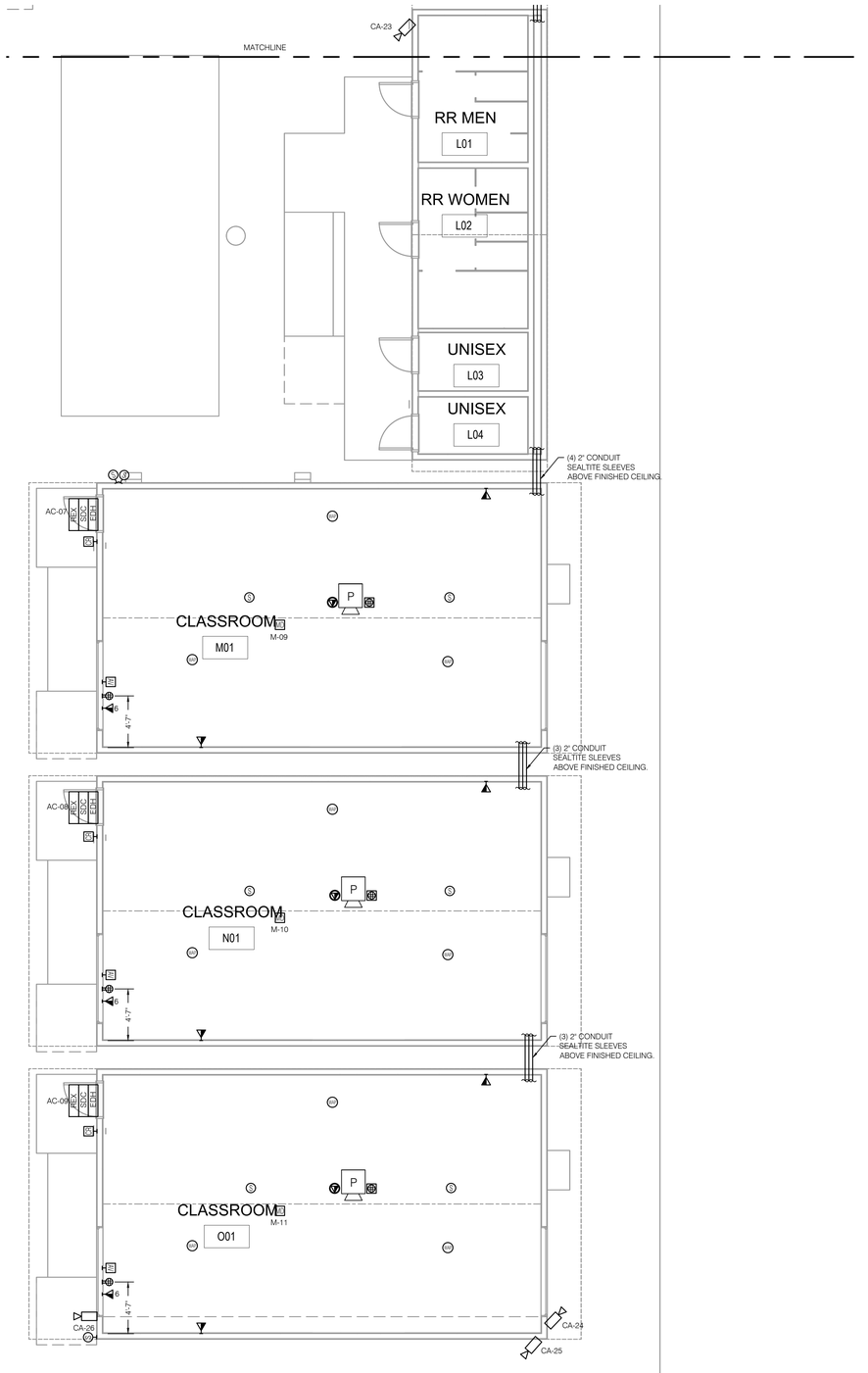
PLEASE RECYCLE

DSA SUBMITTAL



1 ENLARGED LIBRARY, LECTURE, LAB - FLOOR PLAN

3/16"=1'-0"



2 ENLARGED CLASSROOM - FLOOR PLAN

3/16"=1'-0"

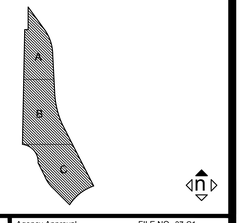
HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

SM

KEYNOTES

NOTES

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS____ FLS____ SSS____
DATE ____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/06/2017

Drawing Title:
Floor Plan

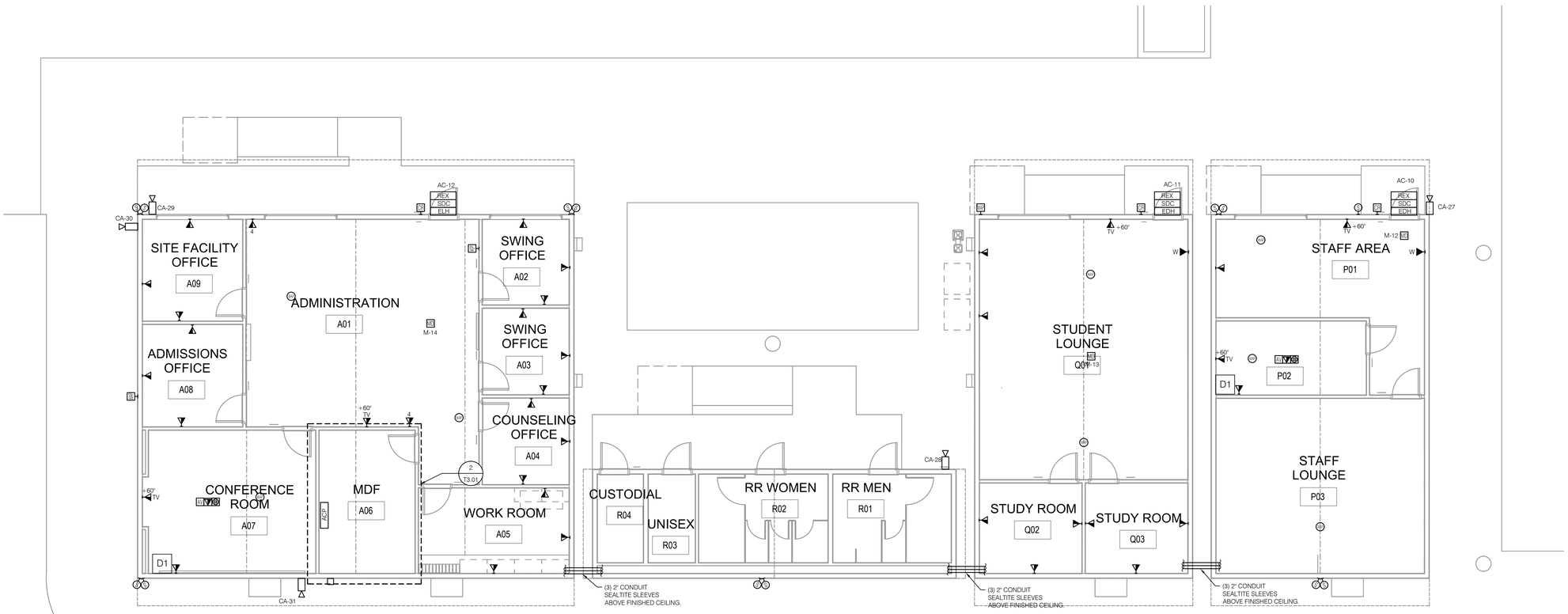
Architect's Seal

REGISTERED ARCHITECT
JEFFREY E. CLARKSON
LIC. NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed:	ER	Project No.	5015019-102
Drawn:	JQ	Scale:	3/16" = 1'-0"
QAQC	ER	Drawing No.	T2.02
Date:	10/06/2017		

PLEASE RECYCLE

DSA SUBMITTAL

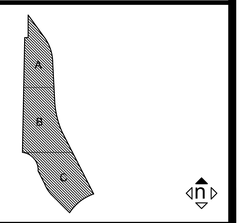


HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

KEYNOTES

NOTES

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS____ FLS____ SSS____
DATE ____

Project Title
Palomar North Education Center - Interim Village
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/06/2017

Drawing Title:
Floor Plan

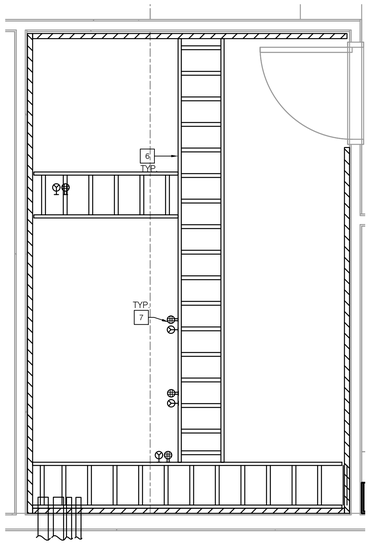
Architect's Seal
REGISTERED ARCHITECT
JEFFREY E. CLARK
LIC. NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed:	ER	Project No.	5015019-102
Drawn:	JQ	Scale:	3/16" = 1'-0"
QAQC	ER	Drawing No.	T2.03
Date:	10/06/2017		

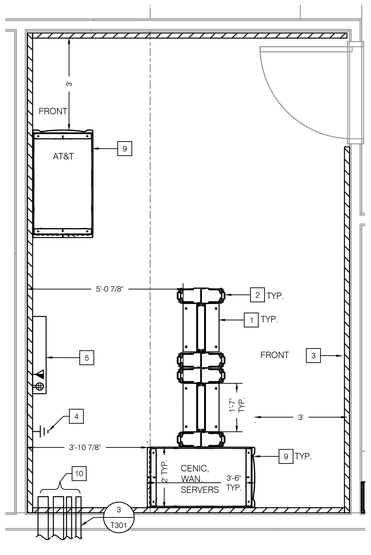
PLEASE RECYCLE

DSA SUBMITTAL

3 MDF ROOM - CONDUIT ENTRANCE ELEVATION
NO SCALE



2 MDF ROOM - LADDER RACK PLAN
1/2" = 1'-0"



1 MDF ROOM - ENLARGED FLOOR PLAN
1/2" = 1'-0"

NOTES

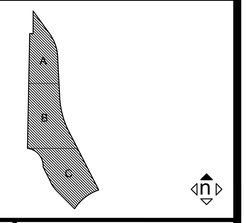
1. COMMUNICATIONS CONTRACTOR SHALL PROVIDE AND INSTALL NEW 19" 2-POST RACK.
2. COMMUNICATION CONTRACTOR SHALL PROVIDE AND INSTALL 10" VERTICAL WIRE MANAGER.
3. GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL 3/4" PLYWOOD. APPLY TWO COATS OF FIRE RETARDANT PAINT.
4. GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL TMGB 18" GROUND BUS BAR.
5. SPACE DEDICATED FOR SECURITY EQUIPMENT. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL 120V/20A DEDICATED OUTLET FOR SECURITY SYSTEM.
6. COMMUNICATION CONTRACTOR SHALL PROVIDE AND INSTALL 18" OVERHEAD CABLE LADDER RACK RUNWAY MOUNTED 7'-6" AFF.
7. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL (1) DEDICATED L14-30R AND (1) DEDICATED L15-20R OUTLET PER RACK/CABINET.
8. NOT USED
9. OFCI CONTRACTOR SHALL PROVIDE AND INSTALL NEW 24 x 42" TELECOM EQUIPMENT CABINET.
10. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL (4) 4" AND (2) 2" CONDUIT TO WALL MOUNTED PULLBOX.

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

KEYNOTES

NOTES

Key Plan



Consultant Seal

Agency Approval — FILE NO. 37-C1
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS____ FLS____ SSS____
DATE____

Project Title
PALOMAR COLLEGE Learning for Success
Palomar North Education Center - Interim Village
Palomar College
35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/06/2017

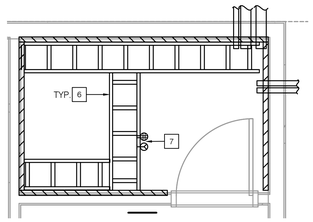
Drawing Title:
Enlarged MDF Rooms

Architect's Seal
LICENSED ARCHITECT — STEVEN P. RASMUSSEN — NO. C-32437 — REN. 02-28-19 — STATE OF CALIFORNIA

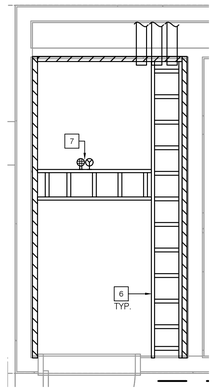
Designed:	JQ	Project No.	5015019-102
Drawn:	JQ	Scale:	1/2" = 1'-0"
QAQC	ER	Drawing No.	T3.01
Date:	10/06/2017		

PLEASE RECYCLE

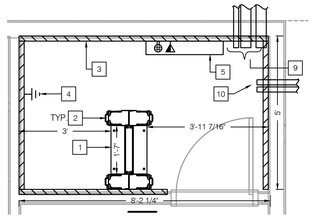
DSA SUBMITTAL



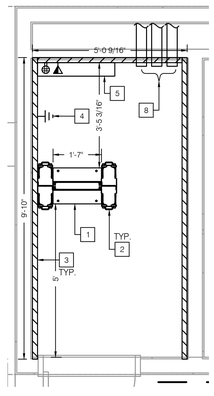
4 IDF ROOM K02 - ENLARGED LADDER RACK PLAN
1/2" = 1'-0"



2 IDF ROOM H01 - ENLARGED LADDER RACK PLAN
1/2" = 1'-0"



3 IDF ROOM K02 - ENLARGED FLOOR PLAN
1/2" = 1'-0"



1 IDF ROOM H01- ENLARGED FLOOR PLAN
1/2" = 1'-0"

NOTES

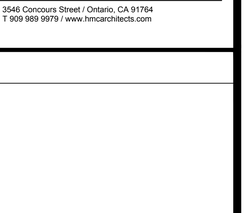
1. COMMUNICATIONS CONTRACTOR SHALL PROVIDE AND INSTALL NEW 19" 2-POST RACK.
2. COMMUNICATION CONTRACTOR SHALL PROVIDE AND INSTALL 6" VERTICAL WIRE MANAGER.
3. GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL 3/4" PLYWOOD. APPLY TWO COATS OF FIRE RETARDANT PAINT.
4. GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL TMGB 18" GROUND BUS BAR.
5. SPACE DEDICATED FOR SECURITY EQUIPMENT. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL 120V/20A DEDICATED OUTLET FOR SECURITY SYSTEM.
6. COMMUNICATION CONTRACTOR SHALL PROVIDE AND INSTALL 12" OVERHEAD CABLE LADDER RACK RUNWAY MOUNTED 7'-6" AFF.
7. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL (1) DEDICATED L14-30R AND (1) DEDICATED L15-20R OUTLET PER RACK/CABINET.
8. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL (3) 4" CONDUIT TO WALL MOUNTED PULLBOX.
9. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL (5) 2" SEALTITE CONDUIT SLEEVE TO ROOM K01.
10. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL (2) 2" CONDUIT TO WALL MOUNTED PULLBOX.

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

KEYNOTES

NOTES

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APPL. 04-116581

ACS____ FLS ____ SSS ____

DATE _____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/06/2017

Drawing Title:
Enlarged IDF Rooms

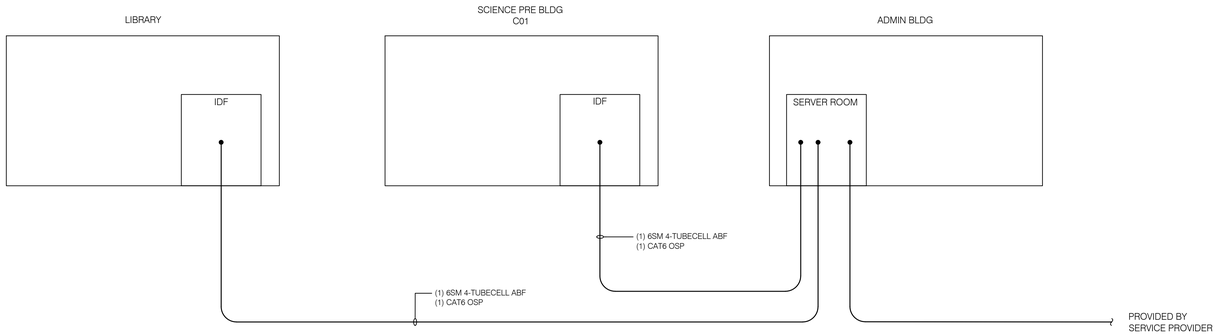
Architect's Seal

LICENSED ARCHITECT
RICHARD E. PLASCHKE
Lic. NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed:	JQ	Project No.	5015019-102
Drawn:	JQ	Scale:	1/2" = 1'-0"
QAQC	ER	Drawing No.	T3.02
Date:	10/06/2017		

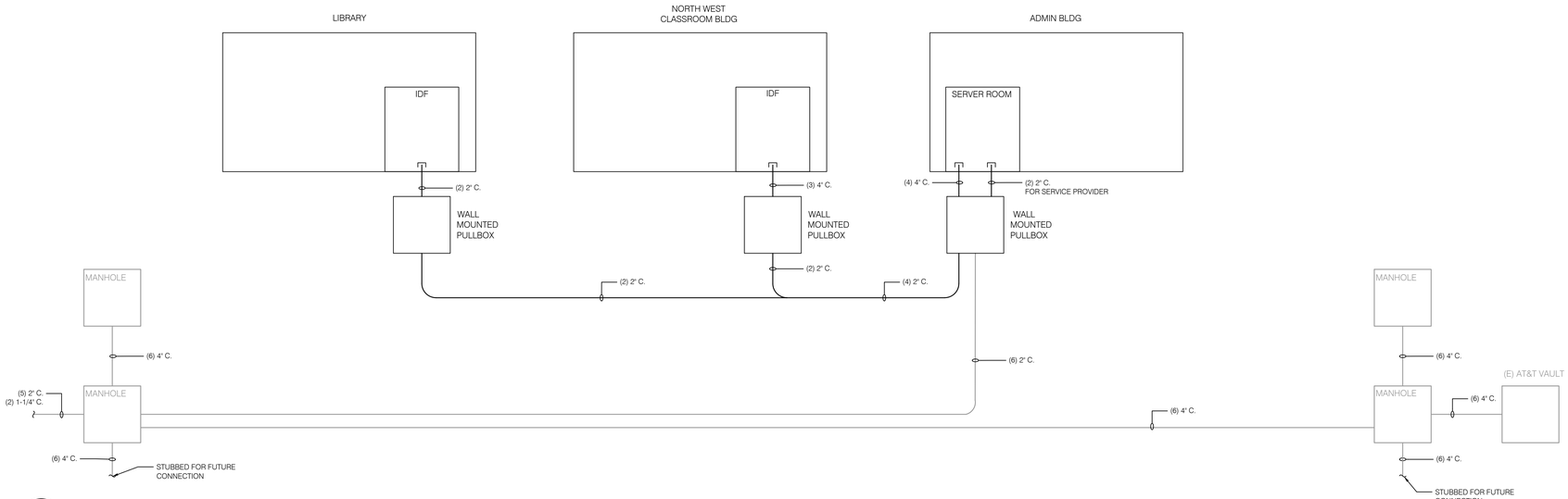
PLEASE RECYCLE

DSA SUBMITTAL



2 FIBER OPTIC CABLE DIAGRAM

NO SCALE



1 CONDUIT INFRASTRUCTURE DIAGRAM

NO SCALE

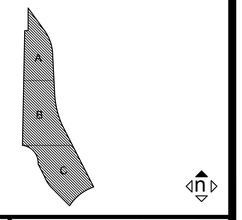
HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

KEYNOTES

NOTES

1. MANHOLES ON DETAIL 1 ARE SHOWN FOR REFERENCE AND ARE PART OF PHASE II.

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APPL. 04-116581

ACS____ FLS____ SSS____

DATE _____

Project Title

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/06/2017

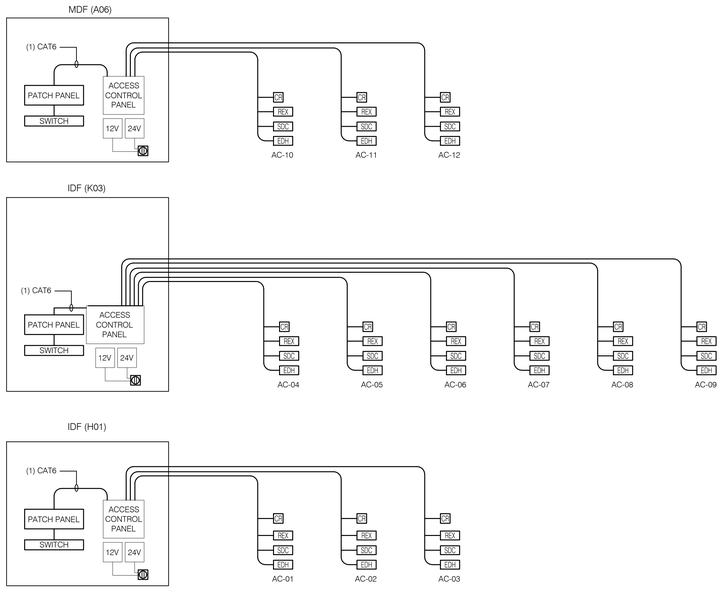
Drawing Title:

Single Line Diagram

Architect's Seal

LICENSED ARCHITECT
RICHARD E. LAMBERT
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed:	ER	Project No.	5015019-102
Drawn:	JQ	Scale:	Not To Scale
QAQC	ER	Drawing No.	T4.01
Date:	10/06/2017		



2 ACCESS CONTROL SYSTEM SINGLE LINE DIAGRAM

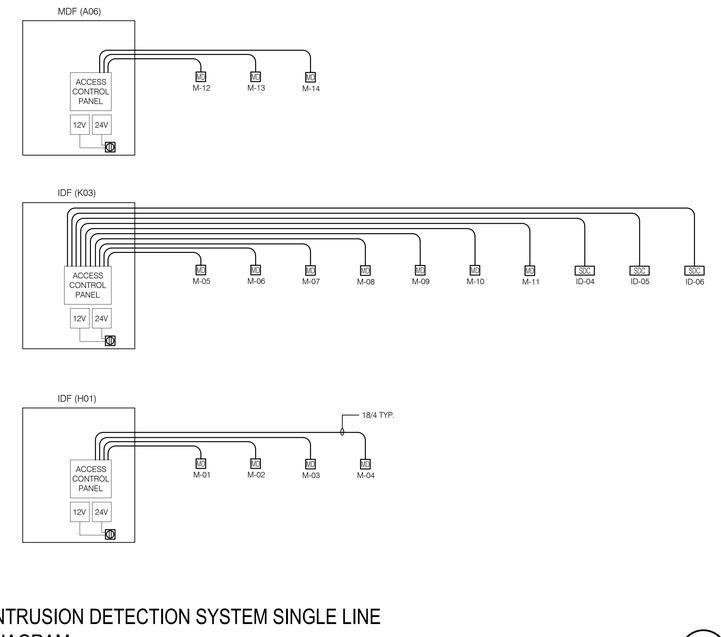
NO SCALE

CABLING LEGEND

RSX	18 AWG / 2
SSX	22 AWG / 2
EDH	18 AWG / 4
2C	22 AWG / 6
4C	18 AWG / 4

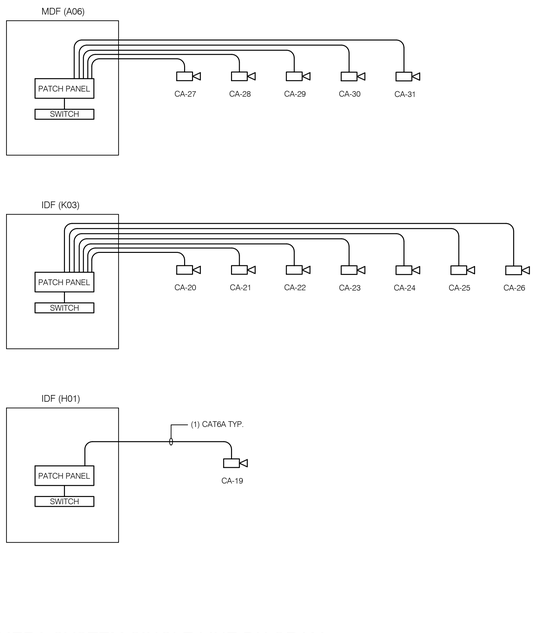
ACCESS CONTROL SCHEDULE

READER #	REF. SHEET #	ROOM# - LOCATION	READER TYPE	LOCK TYPE	DOOR SWITCH	REX	NOTES
AC-01	T2.01	E01 - CLASSROOM	Schlage MT15	Per Div. 8	Interlogix, per Door Type	Schlage Scan II or Integral to Panic Hardware	
AC-02	T2.01	F01 - CLASSROOM	Schlage MT15	Per Div. 8	Interlogix, per Door Type	Schlage Scan II or Integral to Panic Hardware	
AC-03	T2.01	G01 - CLASSROOM	Schlage MT15	Per Div. 8	Interlogix, per Door Type	Schlage Scan II or Integral to Panic Hardware	
AC-04	T2.02	I01 - CLASSROOM	Schlage MT15	Per Div. 8	Interlogix, per Door Type	Schlage Scan II or Integral to Panic Hardware	
AC-05	T2.02	J01 - COMPUTER LAB	Schlage MT15	Per Div. 8	Interlogix, per Door Type	Schlage Scan II or Integral to Panic Hardware	
AC-06	T2.02	K01 - LIBRARY	Schlage MT15	Per Div. 8	Interlogix, per Door Type	Schlage Scan II or Integral to Panic Hardware	
AC-07	T2.02	M01 - CLASSROOM	Schlage MT15	Per Div. 8	Interlogix, per Door Type	Schlage Scan II or Integral to Panic Hardware	
AC-08	T2.02	N01 - CLASSROOM	Schlage MT15	Per Div. 8	Interlogix, per Door Type	Schlage Scan II or Integral to Panic Hardware	
AC-09	T2.02	O01 - CLASSROOM	Schlage MT15	Per Div. 8	Interlogix, per Door Type	Schlage Scan II or Integral to Panic Hardware	
AC-10	T2.03	P01 - STAFF LOUNGE	Schlage MT15	Per Div. 8	Interlogix, per Door Type	Schlage Scan II or Integral to Panic Hardware	
AC-11	T2.03	Q01 - STUDENT LOUNGE	Schlage MT15	Per Div. 8	Interlogix, per Door Type	Schlage Scan II or Integral to Panic Hardware	
AC-12	T2.03	A01 - ADMINISTRATION	Schlage MT15	Per Div. 8	Interlogix, per Door Type	Schlage Scan II or Integral to Panic Hardware	



1 INTRUSION DETECTION SYSTEM SINGLE LINE DIAGRAM

NO SCALE



1 CAMERA SYSTEM SINGLE LINE DIAGRAM

NO SCALE

CAMERA SCHEDULE

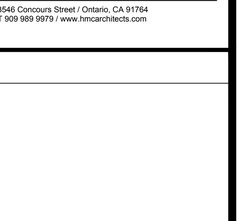
CAMERA #	REF. SHEET #	PART #	RESOLUTION	MOUNT/HOUSING (WALL-CEILING/PEDESTAL)	FOV	FPS	MOUNT HEIGHT (FT)	POWER	NOTES
CA-19	T2.01	Panasonic WV-S2531LN	1080p	W	2.8 - 10MM	12	10	POE	
CA-20	T2.02	Panasonic WV-S2531LN	1080p	W	2.8 - 10MM	12	10	POE	
CA-21	T2.02	Panasonic WV-S2531LN	1080p	W	2.8 - 10MM	12	10	POE	
CA-22	T2.02	Panasonic WV-S2531LN	1080p	W	2.8 - 10MM	12	10	POE	
CA-23	T2.02	Panasonic WV-S2531LN	1080p	W	2.8 - 10MM	12	10	POE	
CA-24	T2.02	Panasonic WV-S2531LN	1080p	W	2.8 - 10MM	12	10	POE	
CA-25	T2.02	Panasonic WV-S2531LN	1080p	W	2.8 - 10MM	12	10	POE	
CA-26	T2.02	Panasonic WV-S2531LN	1080p	W	2.8 - 10MM	12	10	POE	
CA-27	T2.03	Panasonic WV-S2531LN	1080p	W	2.8 - 10MM	12	10	POE	
CA-28	T2.03	Panasonic WV-S2531LN	1080p	W	2.8 - 10MM	12	10	POE	
CA-29	T2.03	Panasonic WV-S2531LN	1080p	W	2.8 - 10MM	12	10	POE	
CA-30	T2.03	Panasonic WV-S2531LN	1080p	W	2.8 - 10MM	12	10	POE	
CA-31	T2.03	Panasonic WV-S2531LN	1080p	W	2.8 - 10MM	12	10	POE	

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

KEYNOTES

NOTES

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS____ FLS____ SSS____
DATE _____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/06/2017

Drawing Title:
Single Line Diagram

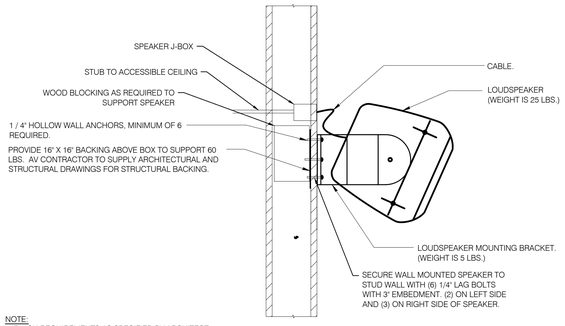
Architect's Seal

LICENSED ARCHITECT
RALEY E. RAMOS
Lic. NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed:	ER	Project No.	5015019-102
Drawn:	JQ	Scale:	Not To Scale
QAQC	ER	Drawing No.	T4.02
Date:	10/06/2017		

PLEASE RECYCLE

DSA SUBMITTAL

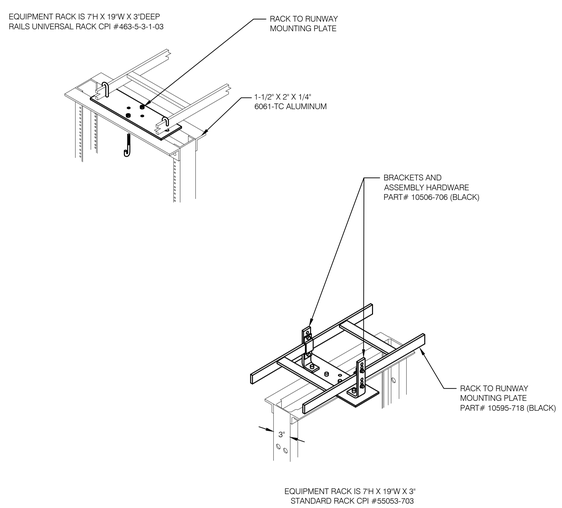


NOTE:
1. FINISH REQUIREMENTS AS SPECIFIED BY ARCHITECT.

2. SPEAKER WEIGHT IS APPROXIMATELY 25 LBS.

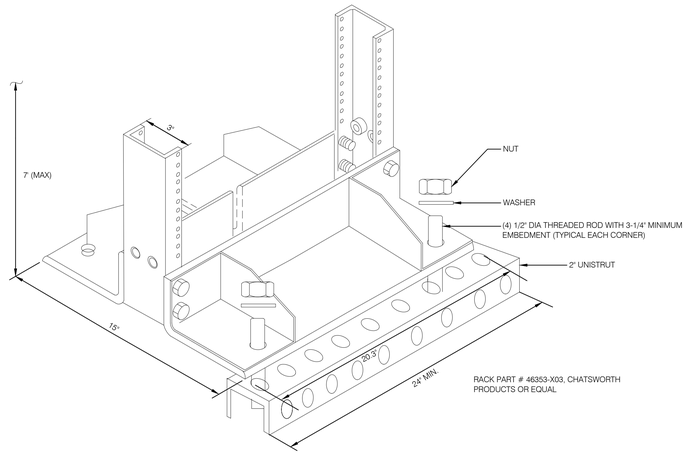
6 EMERGENCY SPEAKER, WALL MOUNTED

NO SCALE



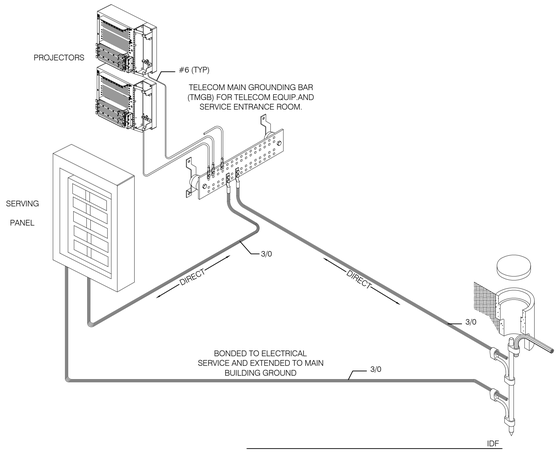
4 RUNWAY ELEVATION KIT

NO SCALE



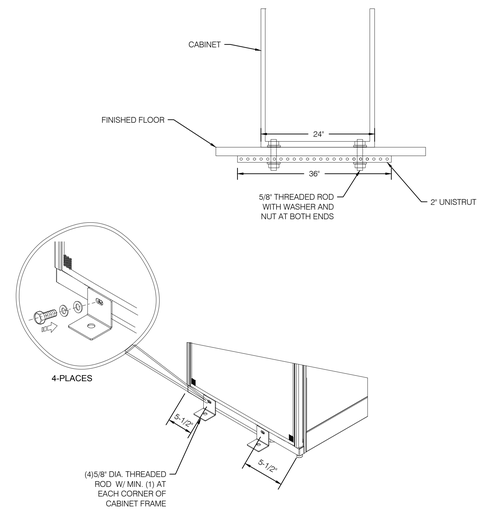
2 FLOOR MOUNTED RACK (2-POST)

NO SCALE



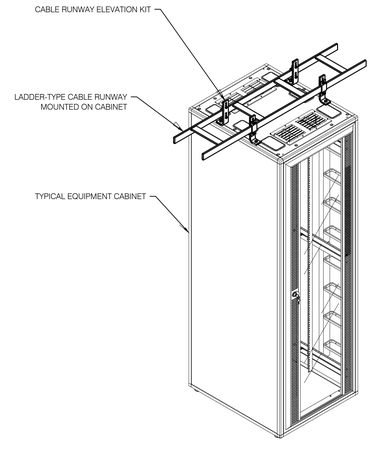
5 TYPICAL GROUNDING DIAGRAM

NO SCALE



3 FLOOR MOUNTED CABINET

NO SCALE



1 CABINET TO RUNWAY INSTALLATION

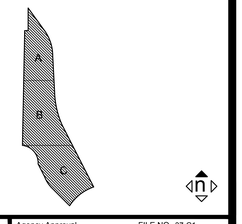
NO SCALE

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

KEYNOTES

NOTES

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS____ FLS____ SSS____
DATE ____

Project Title

PALOMAR COLLEGE Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/06/2017

Drawing Title:
Details

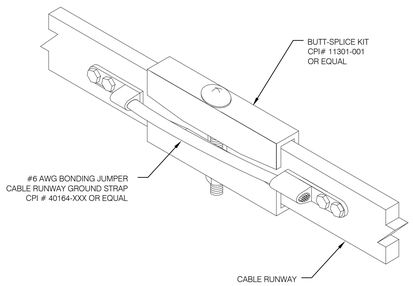
Architect's Seal

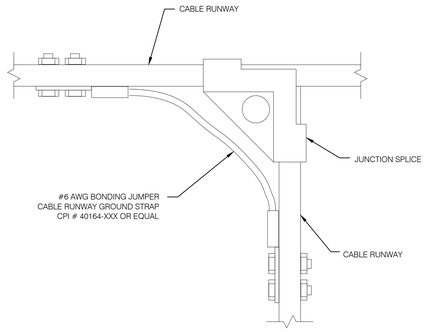
LICENSED ARCHITECT STACEY E. PLASKON NO. C-32437 REN. 02-28-19 STATE OF CALIFORNIA

Designed:	ER	Project No.	5015019-102
Drawn:	JQ	Scale:	Not To Scale
QAQC	ER	Drawing No.	T5.01
Date:	10/06/2017		

PLEASE RECYCLE

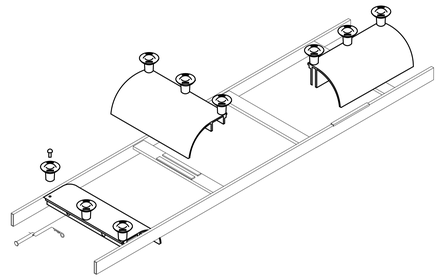
DSA SUBMITTAL





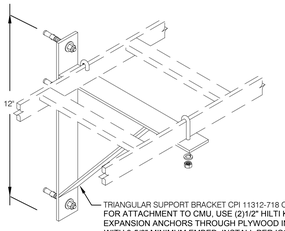
6 JUNCTION/BUTT SPLICE AND BONDING DETAILS

NO SCALE



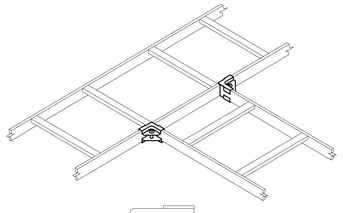
4 LADDER RACK RUNWAY RADIUS DROP

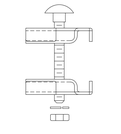
NO SCALE



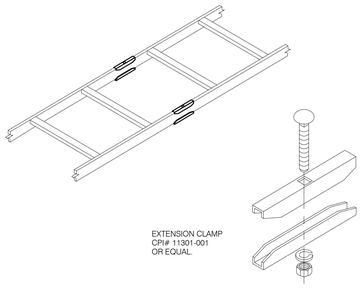
2 TRIANGLE RUNWAY SUPPORT KIT

NO SCALE





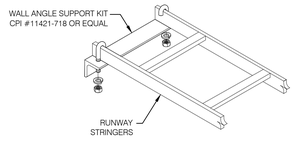
JUNCTION SPLICE CLAMP KIT
CPI #11302-701 OR EQUAL

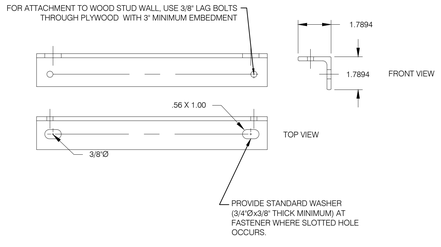


EXTENSION CLAMP
CPI# 11301-001
OR EQUAL.

5 RUNWAY SUPPORT (CLAMPS)

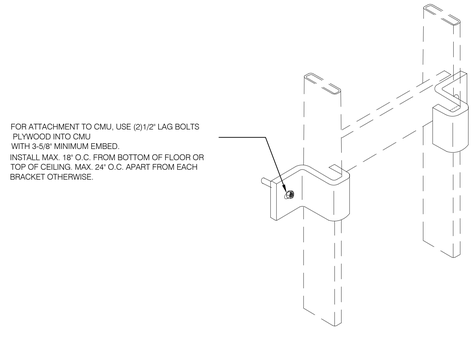
NO SCALE





3 WALL ANGLE SUPPORT KIT

NO SCALE



1 VERTICAL WALL BRACKET

NO SCALE

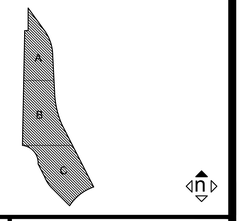
HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

SM

KEYNOTES

NOTES

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS____ FLS____ SSS____
DATE ____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/06/2017

Drawing Title:
Details

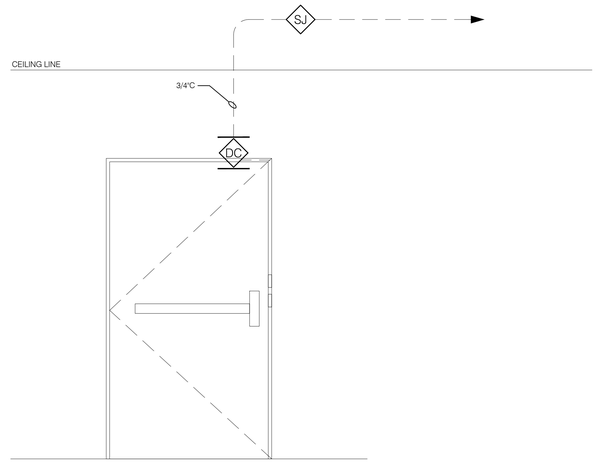
Architect's Seal

LICENSED ARCHITECT
STEVEN E. RAMOS
RENEWAL 02-28-19
NO. C-32437
STATE OF CALIFORNIA

Designed:	ER	Project No.	5015019-102
Drawn:	JQ	Scale:	Not To Scale
QAQC	ER	Drawing No.	T5.02
Date:	10/06/2017		

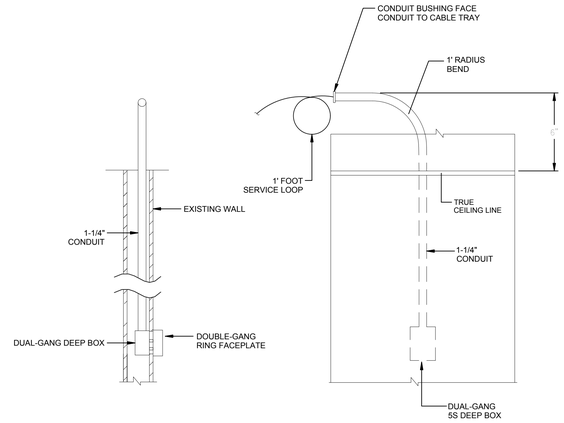
PLEASE RECYCLE

DSA SUBMITTAL



LEGEND

SYMBOL	DESCRIPTION
DC	DOOR CONTACT.
SJ	SECURITY JUNCTION BOX 4-11/16" SQ.

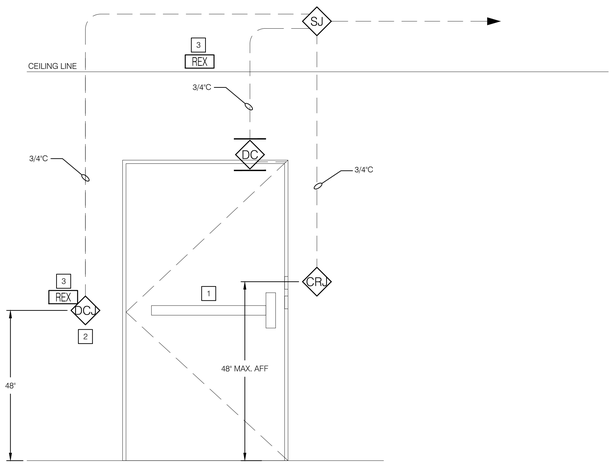


4 SECURITY DOOR INFRASTRUCTURE

NO SCALE

2 TYPICAL OUTLET CONCEALED CONDUIT

NO SCALE



LEGEND

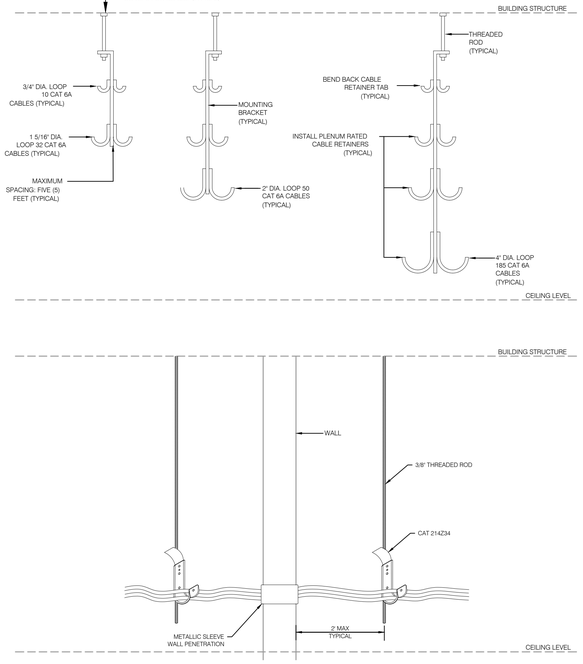
SYMBOL	DESCRIPTION
DC	DOOR CONTACT.
CR	4" SQ J-BOX WITH SG MUD RING FOR DOOR CORD. STAINLESS STEEL COVER.
SJ	SECURITY JUNCTION BOX 4-11/16" SQ.
CR	CARD READER JUNCTION BOX 4"SQ. WITH SINGLE GANG MUD RING AND STAINLESS STEEL COVER.

NOTES

1. REQUEST TO EXIT IN DOOR HARDWARE.
2. DOOR CORD JUNCTION BOX LOCATED INTERIOR BUILDING.
3. ALL ACCESS DOORS EITHER HAVE INTEGRAL REX IN PANIC HARDWARE OR EXTERNAL REX. COORDINATE WITH DIVISION 8 CONTRACTOR.

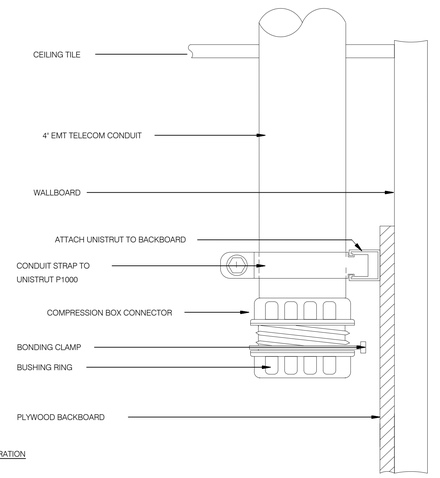
5 ACCESS CONTROL DOOR INFRASTRUCTURE

NO SCALE



3 TYPICAL J-HOOK INSTALLATION

NO SCALE



1 CONDUIT STUBBED THROUGH CEILING

NO SCALE

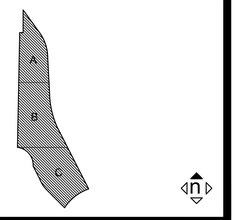
HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

SM

KEYNOTES

NOTES

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS____ FLS____ SSS____
DATE ____

Project Title

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/06/2017

Drawing Title:
Details

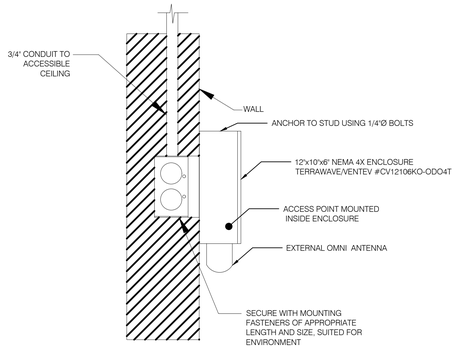
Architect's Seal

LICENSED ARCHITECT
STEVEN E. CLAUSEN
LIC. NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed:	ER	Project No.	5015019-102
Drawn:	JQ	Scale:	Not To Scale
QAQC	ER	Drawing No.	T5.03
Date:	10/06/2017		

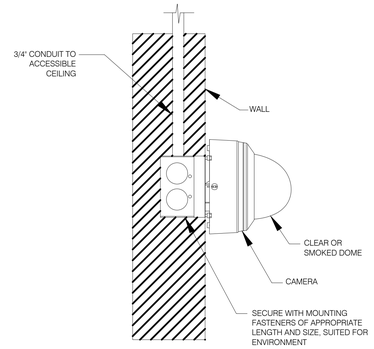
PLEASE RECYCLE

DSA SUBMITTAL



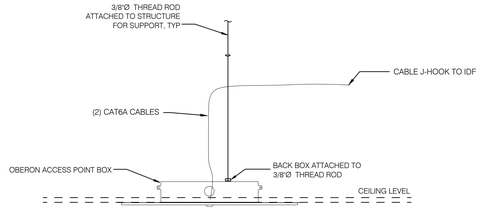
4 EXTERIOR AP WALL MOUNT

NO SCALE



2 WALL MOUNT MINI DOME

NO SCALE



1 TYPICAL AP CEILING MOUNT

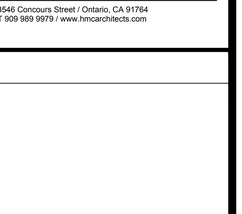
NO SCALE

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

KEYNOTES

NOTES

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS____ FLS____ SSS____
DATE ____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/06/2017

Drawing Title:
Details

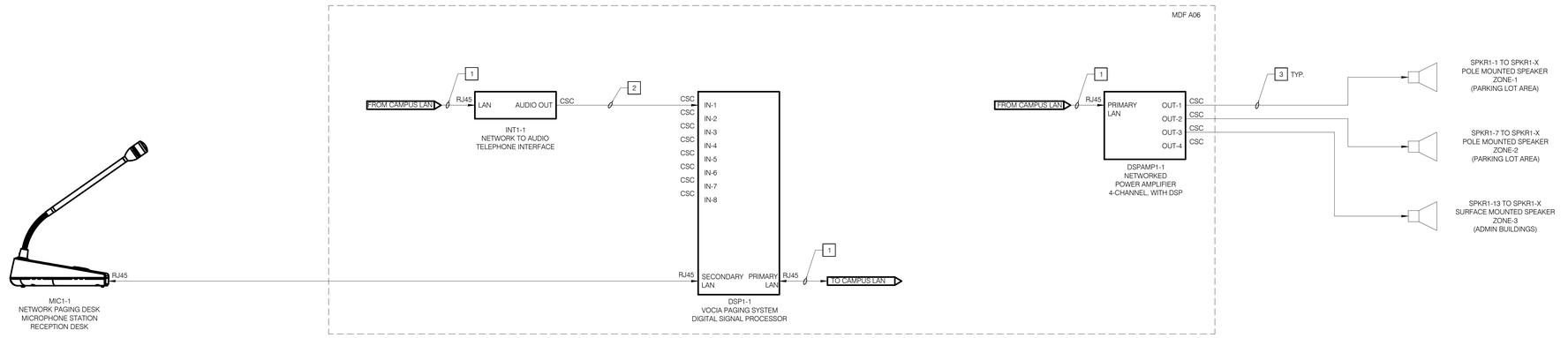
Architect's Seal

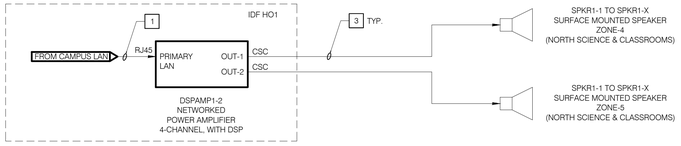
LICENSED ARCHITECT
TIMOTHY E. PLANCK
RENEWAL 02-28-19
NO. C-32437
STATE OF CALIFORNIA

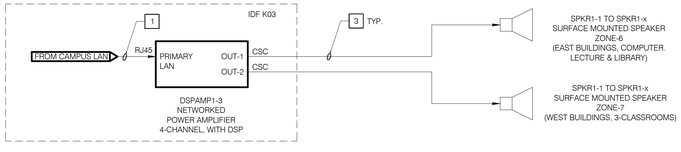
Designed:	ER	Project No.	5015019-102
Drawn:	JQ	Scale:	Not To Scale
QAQC	ER	Drawing No.	T5.04
Date:	10/06/2017		

PLEASE RECYCLE

DSA SUBMITTAL







AUDIOVISUAL SYSTEM DIAGRAM, PAGING SYSTEM 1

N.T.S.

HMC Architects
3546 Concours Street / Ontario, CA 91764
T 909 989 9979 / www.hmcarchitects.com

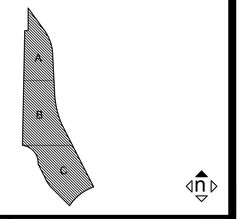
SM

KEYNOTES

1. CABLE, CAT-6A.
2. CABLE, AUDIO, 2-22, 22-GAUGE, SHIELDED TWISTED PAIR, PLENUM RATED.
3. CABLE, SPEAKER, 16 AWG, PAIR, NON SHIELDED OSP

NOTES

Key Plan



Consultant Seal

Agency Approval FILE NO. 37-C1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APPL. 04-116581
ACS____ FLS ____ SSS ____
DATE _____

Project Title

PALOMAR COLLEGE
Learning for Success

Palomar North Education Center - Interim Village

Palomar College

35090 Horse Ranch Creek Road
Fallbrook, CA 92028

No.	Description	Date
	DSA SUBMITTAL - PHASE III	10/06/2017

Drawing Title:

AUDIOVISUAL SYSTEM DIAGRAM
PAGING SYSTEM

Architect's Seal

LICENSED ARCHITECT
STEVEN P. RAMOS
NO. C-32437
REN. 02-28-19
STATE OF CALIFORNIA

Designed:	ST	Project No.	5015019-102
Drawn:	ST	Scale:	N.T.S.
QAQC	ER	Drawing No.	TAV4.01
Date:	10/06/2017		

PLEASE RECYCLE

DSA SUBMITTAL

MODULAR CLASSROOM BUILDINGS

BUILDING SIZE: 24'x40', 36'x40', 48'x40'

BY

SILVER CREEK INDUSTRIES, INC.

2830 BARRETT AVE, PERRIS, CALIFORNIA 92571

PHONE : (951) 943-5393 FAX : (951) 943-2211

PALOMAR COLLEGE EDUCATION CTR.

PALOMAR COLLEGE VARIOUS BUILDING SIZES

GENERAL NOTES

SEE PC SHEET A-0

BUILDING DATA

SEE PC SHEET A-0

WIND DESIGN DATA

APPLICABLE STANDARDS

SEE PC SHEET A-0

EARTHQUAKE DESIGN DATA

SEE PC SHEET A-0

APPLICABLE CODES

SEE PC SHEET A-0

SHEET INDEX

PROJECT SPECIFIC SHEET INDEX

SHT NO.	ARCHITECTURAL
A-0N	COVER SHEET
A-0.2N	SCHEDULES
A-1.00N	KEY PLAN
A-1.01N	FLOOR PLAN - 24x40
A-1.01.1N	FLOOR PLAN - 24x40
A-1.02N	FLOOR PLAN - 36x40
A-1.03N	FLOOR PLAN - 48x40
A-1.03.1N	FLOOR PLAN - 48x40
A-2.01N	REFLECTED CEILING PLAN - 24x40
A-2.01.1N	REFLECTED CEILING PLAN - 24x40
A-2.02N	REFLECTED CEILING PLAN - 36x40
A-2.03N	REFLECTED CEILING PLAN - 48x40
A-2.03.1N	REFLECTED CEILING PLAN - 48x40
A-4.01N	EXTERIOR ELEVATIONS - 24x40
A-4.02N	EXTERIOR ELEVATIONS - 36x40
A-4.03N	EXTERIOR ELEVATIONS - 48x40
A-6.01N	INTERIOR ELEVATIONS - 24x40
A-6.02N	INTERIOR ELEVATIONS - 36x40
A-6.03N	INTERIOR ELEVATIONS - 48x40

SHT NO.	PLUMBING
P-1.01N	PLUMBING DETAILS AND SCHEDULE

SHT NO.	MECHANICAL
M-1.01N	MECHANICAL PLAN - 24x40
M-1.01.1N	MECHANICAL PLAN - 24x40
M-1.02N	MECHANICAL PLAN - 36x40
M-1.03N	MECHANICAL PLAN - 48x40

SHT NO.	ELECTRICAL
E-1.01N	ELECTRICAL PLAN - 24x40
E-1.01.1N	ELECTRICAL PLAN - 24x40
E-1.02N	ELECTRICAL PLAN - 36x40
E-1.03N	ELECTRICAL PLAN - 48x40
E-1.03.1N	ELECTRICAL PLAN - 48x40

PC SHEET INDEX

SHT NO.	ARCHITECTURAL
A-0	COVER SHEET
A-0A	T & I FORMS
A-0.0	BUILDING OPTIONS SCHEDULE
A-0.1	SYMBOLS LEGEND, ABBREVIATION, AND ADA SIGNAGE
A-0.2	SCHEDULES
A-0.3	TYPICAL KEY PLANS - 24' TO 120' x 40'
A-0.5A	ENERGY CALC'S - PRF FORMS - ZONE 14 WORST CASE
A-0.5B	ENERGY CALC'S - PRF FORMS - ZONE 15 WORST CASE
A-0.5C	ENERGY CALC'S - PRF FORMS - ZONE 16 WORST CASE
A-0.6A	ENERGY CALC'S - ELC FORMS - 24' x 40' BUILDINGS
A-0.6B	ENERGY CALC'S - LTO / MCH FORMS - 24' x 40' BUILDINGS
A-0.6C	ENERGY CALC'S - LTI FORMS - 24' x 40' BUILDINGS
A-0.6D	ENERGY CALC'S - ELC FORMS - 120' x 40' BUILDINGS
A-0.6E	ENERGY CALC'S - LTO / MCH FORMS - 120' x 40' BUILDINGS
A-0.6F	ENERGY CALC'S - LTI FORMS - 120' x 40' BUILDINGS
A-0.7	DESIGN ENERGY VALUES BY ZONE & CALGREEN SPECIFICATIONS
A-1.01	FLOOR PLAN - 24' x 40'
A-1.02	FLOOR PLAN - 36' x 40'
A-1.03	FLOOR PLAN - 48' TO 120' x 40'
A-2.01	REFLECTED CEILING PLAN - 24' x 40'
A-2.02	REFLECTED CEILING PLAN - 36' x 40'
A-2.03	REFLECTED CEILING PLAN - 48' TO 120' x 40'
A-2.20	CEILING DETAILS - T-GRID
A-3.01	ROOF PLAN - 0.018" METAL DECK - MONO OR DUAL SLOPE - 24' x 40'
A-3.02	ROOF PLAN - 0.018" METAL DECK - MONO OR DUAL SLOPE - 36' x 40'
A-3.03	ROOF PLAN - 0.018" METAL DECK - MONO SLOPE - 48' TO 120' x 40'
A-3.50	ROOF DETAILS - 0.018" STANDING SEAM ROOF DECK
A-4.01	EXTERIOR ELEVATIONS - MONO OR DUAL SLOPE - 24' x 40'
A-4.02	EXTERIOR ELEVATIONS - MONO SLOPE - 36' x 40'
A-4.04	EXTERIOR ELEVATIONS - MONO SLOPE - 48' TO 120' x 40'
A-5.01	CROSS SECTION - MONO SLOPE - 0.018", B.U., OR TPO ROOF DECK OR PARAPET
A-5.05	CROSS SECTION
A-5.50	ARCHITECTURAL DETAILS - WOOD STUD - WOOD SIDING
A-5.70	ARCHITECTURAL DETAILS - FLOOR
A-5.80	ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS
A-5.81	ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS
A-6.01	INTERIOR ELEVATIONS - 24' x 40'
A-6.02	INTERIOR ELEVATIONS - 36' x 40'
A-6.03	INTERIOR ELEVATIONS - 48' TO 120' x 40'

SHT NO.	FOUNDATION
F-0.02	WOOD FOUNDATION PLAN - 24' x 40' (50+15 PSF)
F-0.12	WOOD FOUNDATION PLAN - 36' x 40' (50+15 PSF)
F-0.14	WOOD FOUNDATION PLAN - 36' x 40' (150 PSF)
F-0.22	WOOD FOUNDATION PLAN - 48' x 40' (50+15 PSF)
F-0.24	WOOD FOUNDATION PLAN - 48' x 40' (150 PSF)
F-0.50	FOUNDATION DETAILS - WOOD

SHT NO.	STRUCTURAL "HIGH SEISMIC"
S-0.1	STRUCTURAL SPECIFICATIONS
S-1.01	FLOOR FRAMING PLAN - WOOD FLOOR
S-1.50	FLOOR FRAMING DETAILS - WOOD FLOOR
S-2.01	ROOF FRAMING PLAN - 0.018", BUILT UP, OR TPO ROOF - MONO SLOPE
S-2.50	ROOF FRAMING DETAILS - MONO SLOPE
S-2.60	ROOF FRAMING DETAILS
S-2.90	ROOF FRAMING DETAILS - TRUSS
S-3.01	BUILDING SECTION - MONO SLOPE ROOF
S-5.00	WALL FRAMING ELEVATIONS - WOOD STUDS
S-5.10	WALL FRAMING DETAILS - WOOD STUDS
S-5.11	WALL FRAMING DETAILS - WOOD STUDS

SHT NO.	PLUMBING
P-1.01	PLUMBING DETAILS AND SCHEDULE

SHT NO.	MECHANICAL
M-0.1	MECHANICAL NOTES, SCHEDULES, AND DETAILS
M-1.01	MECHANICAL PLAN - WALL MOUNT - 24' x 40'
M-1.02	MECHANICAL PLAN - WALL MOUNT - 36' x 40'
M-1.03	MECHANICAL PLAN - WALL MOUNT - 48' TO 120' x 40'

SHT NO.	ELECTRICAL
E-1.01	ELECTRICAL PLAN - 24' x 40'
E-1.02	ELECTRICAL PLAN - 36' x 40'
E-1.03	ELECTRICAL PLAN - 48' TO 120' x 40'

SHT NO.	RAMP
R-1.01	STANDARD RAMP PLAN
R-1.03	RAMP LANDING
R-2.01	RAMP DETAILS

SILVER CREEK INDUSTRIES, INC.

"BUILDING FOR THE NEXT GENERATION"

SILVER CREEK

2830 BARRETT AVE, PERRIS, CALIFORNIA 92571

PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

PALOMAR COLLEGE EDUCATION CTR.

PALOMAR COLLEGE VARIOUS BUILDING SIZES

SHEET TITLE:

COVER SHEET

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

REVISIONS

1	
2	
3	
4	
5	
6	
7	
8	

SILVER CREEK INDUSTRIES

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE:

SHEET NUMBER

A-0N

WINDOW SCHEDULE

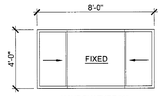
WINDOW NO.	QTY	TYPE	WIDTH	HEIGHT	FUNCTION	FRAME MATERIAL	GLASS MATERIAL	WALL THICKNESS	NOTES
A		1	8'-0"	4'-0"	XOX	ANOD	DP		

WINDOW FINISH

ANOD: CLEAR ANODIZED ALUMINUM FRAME
BRONZ: BRONZE ANODIZED ALUMINUM FRAME
PAINT: PAINTED FRAME
WF: 16GA WELDED FRAME
FRW: FIRE RATED WINDOW
FRAME: MIN 0.048" THICK WELDED FRAME
FRG: FIRE RATED GLAZING: 1/4" WIRED GLASS. LABELED TO MEET THE REQUIREMENTS FOR A 3/4 HOUR FIRE WINDOW ASSEMBLY PER CBC SECTION/TABLE 715.5

DP: 3/16" MINIMUM DUAL PANE TEMPERED GLASS OF SOLAR GRAY - 3/16" ENERGYSHIELD. ALL OPERABLE SASH SHALL HAVE SCREENS. (U-FACTOR = .510 MAX, VT = 0.500 MIN., SHGC = .350 MAX, STC = 36 MIN.)

WINDOW TYPE



WINDOW TYPE "1"

DOOR SCHEDULE

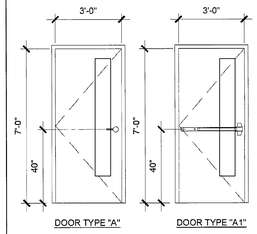
DOOR NO	WIDTH	HEIGHT	DOOR TYPE	QTY	DOOR MAT/FIN	FRAME MAT/FIN	HARDWARE SET	WALL THICKNESS	NOTES*
1	3'-0"	7'-0"	A		HM	KD	HW - 1		
1P	3'-0"	7'-0"	A1		HM	KD	HW - 2		
2	3'-0"	7'-0"	A		SCL	KD	HW - 3		

DOOR MATERIAL AND FINISH ABBREVIATIONS

HM: 18GA HOLLOW METAL
WF: 16GA WELDED FRAME
AL: ALUMINUM
SST: STAINLESS STEEL
KD: KNOCK DOWN FRAME
SCL: SOLID CORE WOOD LEGACY
HC: HOLLOW CORE WOOD
PT: PAINTED

*EXTERIOR DOORS TO BE UNINSULATED SINGLE LAYER DOORS W/ U-FACTOR OF 0.500 MAX

DOOR TYPES & NOTES



DOOR TYPE "A" DOOR TYPE "A1"

1. DOOR HANDLE FOR LOCKSETS AND PANIC HARDWARE TO BE CENTERED AT 40" AFF. HARDWARE TO BE OPENED FROM THE INSIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT. LEVERS TO RETURN TO WITHIN 1/2" OF DOOR.
2. ALL DOORS SHALL BE 1 3/4" THICK U.N.O.
3. CLOSER SHALL BE SET FOR MAXIMUM OPENING PRESSURE OF 5 LBS AT EXTERIOR AND INTERIOR DOORS.
4. PANIC HARDWARE IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER. CBC 1008.1.10
5. ALL HARDWARE SHALL COMPLY WITH SILVER CREEK'S SPEC'S ON THIS SHEET AND CBC SECTIONS 11B-206.5, 11B-404.1 AND 1008.
6. DOOR CLOSER SHALL BE ADJUSTED TO SO THAT FROM AN OPEN POSITION OF 70°, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3° FROM THE LATCH, MEASURED TO THE LANDING SIDE OF THE DOOR
7. PANIC AND FIRE EXIT HARDWARE. WHERE THIS TYPE HARDWARE IS INSTALLED, IT SHALL COMPLY WITH THE FOLLOWING:
   - THE ACTUATING PORTION OF THE RELEASING DEVICE SHALL EXTEND AT LEAST ONE-HALF OF THE DOOR LEAF WIDTH.
   - THE MAXIMUM UNLATCHING FORCE SHALL NOT EXCEED 5LBS PER THE 2013 CBC
   APPROVED BY AUTHORITY W/ JURISDICTION, PANIC HARDWARE SHALL COMPLY WITH CBC SECTION 1008.1.10
8. THE FIRE PROTECTION FOR EXTERIOR WALL IS DETERMINED BASED UPON THE FIRE SEPARATION DISTANCE IN WHICH THE WALL IS LOCATED. SEE CBC TABLE 705.8 OR TABLE 602

FINISH SCHEDULE

ROOM NAME	FLOORING		WALL FINISH				CEILING		
	FLOOR	BASE	FRONT	LEFT	REAR	RIGHT	CEILING	CEILING HT	NOTES
CLASSROOM 101	CARP	4" TS	TACK	TACK	TACK	TACK	CP	8'-6"	
	CARP	4" TS	TACK	TACK	TACK	TACK	CP	8'-6"	
	SV	6" TS	FRP	FRP	FRP	FRP	CP		
MDF 119	SV	SC	GYP	GYP	GYP	GYP	NO CEILING	NO CEILING	

FLOOR, WALL, CEILING MATERIALS

FLOORING
CARP: CARPET PER STATE OF CALIFORNIA SPECIFICATIONS COMPLYING WITH GROUP 1; TYPE "A" OR TYPE "B"; CLASS 2; DENSITY 4600; DIRECT GLUE DOWN
SV: SHEET VINYL FLOORING
VCT: VINYL COMPOSITION TILE

BASE
4" TS: 4" TOP SET BASE
6" TS: 6" TOP SET BASE
SC: 6" SELF-COVE BASE

WALLS
TACK: 1/2" VINYL TACKBOARD CLASS 1 OVER ½" GYPSUM BOARD BACKING
FRP: 1/8" FIBER REINFORCED PANEL OVER ½" WATER RESISTANT GYPSUM BOARD
GYP: 1/2" GYPSUM BOARD; TAPE; TEXTURE; PAINTED FINISH
PLY: 1/2" PLYWOOD FINISH
NF: NO FINISH

CEILING
CP: ACOUSTICAL LAY IN GRID CEILING PANELS (SEE SPECIFICATION NOTES ON REFLECTED CEILING PLAN)
HC: 5/8" GYPSUM BOARD; TAPE; TEXTURE; PAINTED FINISH (HARD LID CEILING)
GBP: 1/2" GYPSUM BOARD WASHABLE PANELS (PAINTED)

INSULATION SPECIFICATIONS

MOISTURE PROTECTION INSULATION:

DESCRIPTION OF WORK: THE FURNISHING AND INSTALLING OF ALL INSULATION FOR ALL CEILING, FLOOR AREAS, AND EXTERIOR WALLS. (CLASS A = 0.25 FLAME SPREAD:) SMOKE DEVELOPMENT DENSITY LESS THAN 450.

MATERIAL: INSULATING MATERIAL FOR WALLS, CEILINGS, AND FLOORS SHALL BE FIBERGLASS BATTS (UNFACED) AND SHALL COMPLY WITH CBC 719.2+719.3. INSULATION SHALL BE AS MANUFACTURED BY OWENS-CORNING FIBERGLASS CORPORATION, JOHNS-MANVILLE, CERTAINTIES, OR EQUAL.

INSULATION VALUES
SEE SHEETS A-0.7 FOR MINIMUM REQUIRED INSULATION VALUES FOR SPECIFIC BUILDING SIZE AND CONFIGURATION.

EXTERIOR WALL INSULATION (MIN.)
- ☐ R-13 (2x4)
- ☒ R-19 (2x6)
- ☐ R-30 (2x8)

INTERIOR WALL INSULATION (MIN.)
R-13

FLOOR INSULATION (MIN.)
- ☒ NONE
- ☐ R-13
- ☐ R-19

ROOF INSULATION (MIN.)
- ☐ R-19
- ☒ R-30
- ☐ R-38
- ☐ R-19 BETWEEN JOISTS AND R-19 BELOW JOISTS

STEEL STUD EXTERIOR WALL
- ☐ R-13 (2X4) W/ R-4 CONT. RIGID INSULATION

FINISH NOTES

1. ALL FINISHES SHALL COMPLY WITH CBC, CFC AND TITLE 19 CCR.
2. PREPARATION FOR SUB-FLOOR TO ACCEPT FINISH FLOORING IS BY FLOORING CONTRACTOR. PLYWOOD SUB-FLOOR IS 2.4.1. PLYWOOD. OUTER PLYWOOD IS PLUGGED AND TOUCH SANDED. ANY DEFORMITIES DUE TO STANDARD CONSTRUCTION PRACTICES SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR. THE JOINT AT THE MODLINE SHALL NOT BE LARGER THAN 1/8" AND SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR.
3. RESILIENT FLOORING DEMONSTRATING A COEFFICIENT OF FRICTION OF AT LEAST 0.6 PER ASTM D2047, WILL BE ACCEPTED AS MEETING THE INTENT OF SLIP RESISTANCE.
4. CARPET SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT, OR LEVEL CUT / UNCUT PILE TEXTURE AND MAXIMUM PILE HEIGHT OF 1/2" PER THE 2013 CBC. CARPET EDGED SHALL COMPLY WITH THE 2013 CBC
5. INTERIOR WALL AND CEILING FINISHES SHALL HAVE A MIN. CLASS 'C' RATING. FLAME SPREAD INDEX 76-200 & SMOKE DEVELOPED INDEX 0-450 PER 2013 CBC 803.

DOOR HARDWARE

CLASSROOM - EXTERIOR DOOR HW-1

LOCKSET	SCHLAGE NO75PDRHO626 (cylindrical)	Finish 26D	or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 26D	or equal
CLOSER	NORTON 8501 BFDA	Finish 689	or equal
WEATHER STRIP	HAGER 891SAV 3684	Finish Alum	or equal
THRESHOLD	HAGER 413SA 36	Finish Alum	or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum	or equal

DOOR W/ PANIC HARDWARE - EXTERIOR DOOR HW-2

EXIT DEVICE	VON DUPRIN 99L-PA-2 w/ SCHLAGE rim cylinder	Finish Alum	or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 26D	or equal
CLOSER	NORTON 8501 BFDA	Finish 689	or equal
WEATHER STRIP	HAGER 891SAV 3684	Finish Alum	or equal
THRESHOLD	HAGER 413SA 36	Finish Alum	or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum	or equal
Lock	VON DUPRIN NL-OP		

EMERGENCY EXIT AND PANIC HARDWARE IS TO COMPLY WITH SFM STANDARD 12-10-3, SECTION 12-10-302.
a) THE CROSS BAR SHALL EXTEND ACROSS NOT LESS THAN ONE-HALF THE WIDTH OF THE DOOR/GATE.
d) THE ENDS OF THE CROSS-BAR SHALL BE CURVED, GUARDED OR OTHERWISE DESIGNED TO PREVENT CATCHING ON THE CLOTHING OF PERSONS DURING EGRESS.

STAFF RESTROOM / SINGLE-OCCUPANCY - INTERIOR DOOR HW-3

LOCKSET	SCHLAGE ND40SRHO626 (cylindrical)	Finish 26D	or equal
BUTTS	HAGER 1279 4 1/2" x 4 1/2"	Finish 26D	or equal

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
SCHEDULES

ARCHITECT OF RECORD SUBMISSION DATE

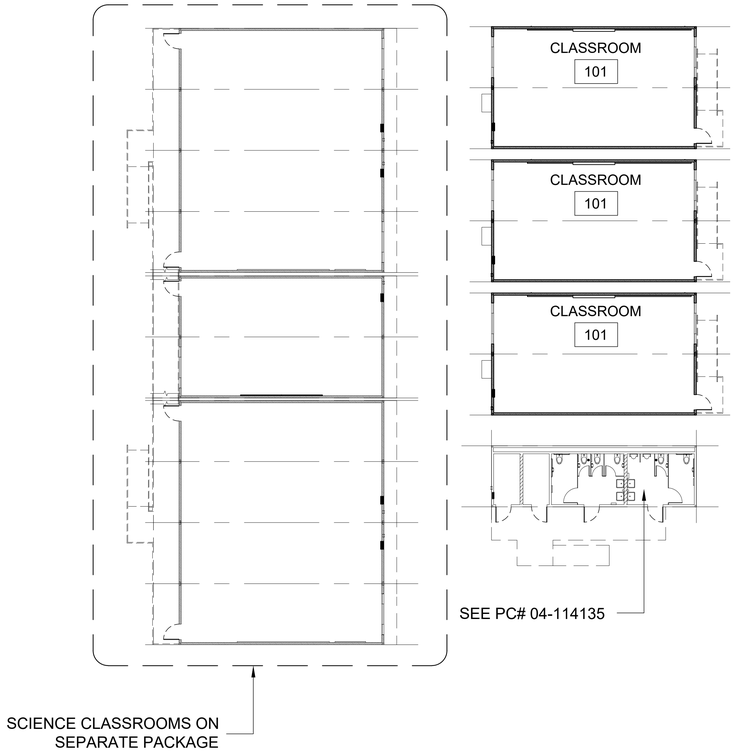
PROJECT SPECIFIC STATE AGENCY APPROVAL

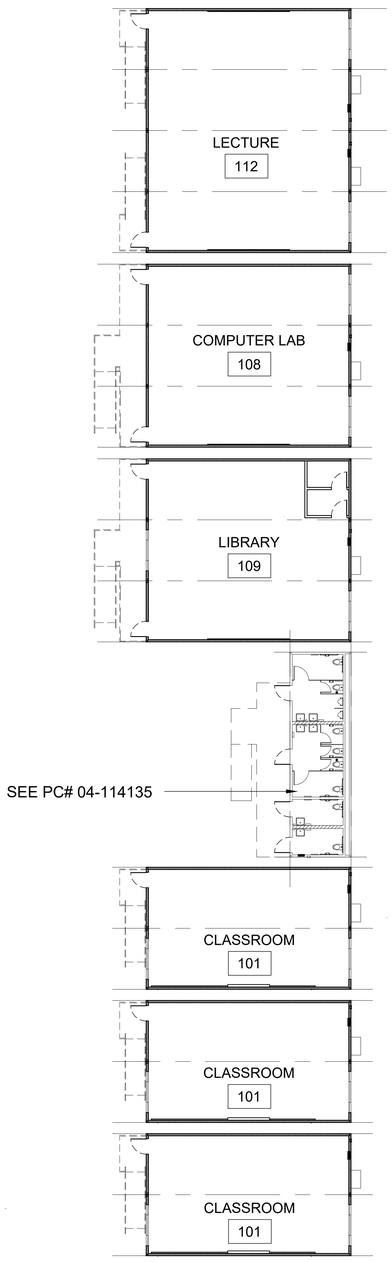
REVISIONS
1
2
3
4
5
6
7
8

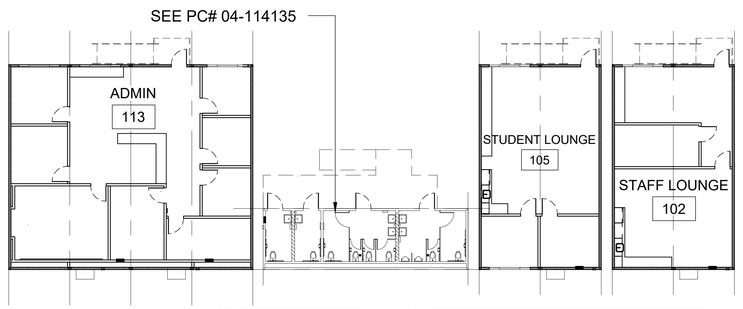
SILVER CREEK INDUSTRIES

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE:

SHEET NUMBER
A-0.2N







KEY PLAN

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
KEY PLAN

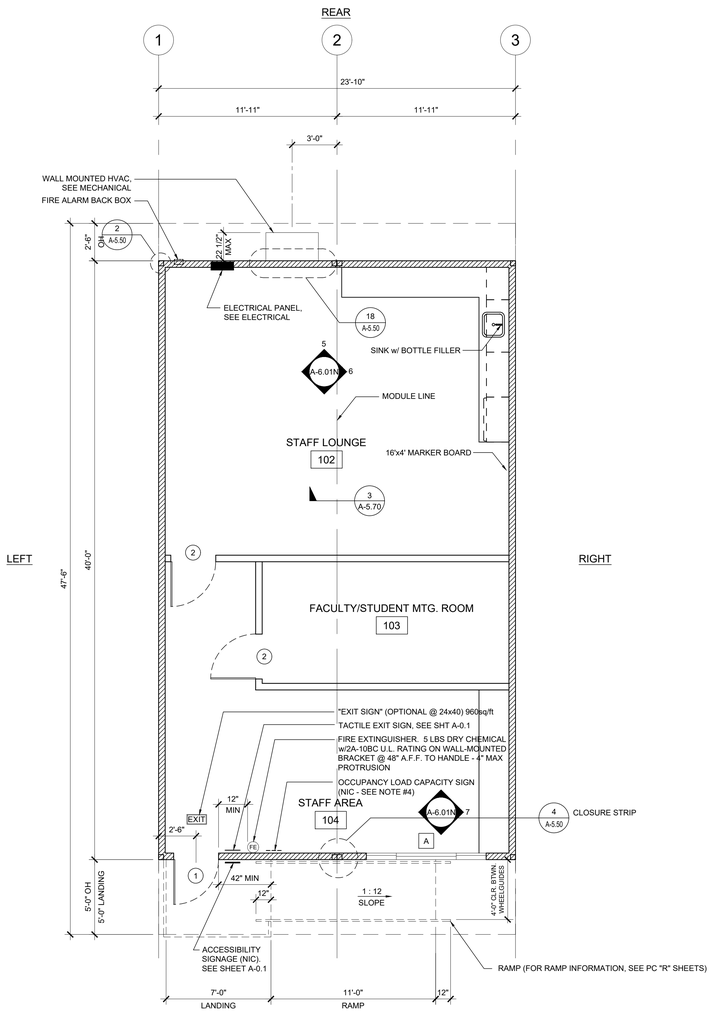
ARCHITECT OF RECORD SUBMISSION DATE
No. C-33457
REN: 01-31-2019

PROJECT SPECIFIC STATE AGENCY APPROVAL

REVISIONS
1
2
3
4
5
6
7
8

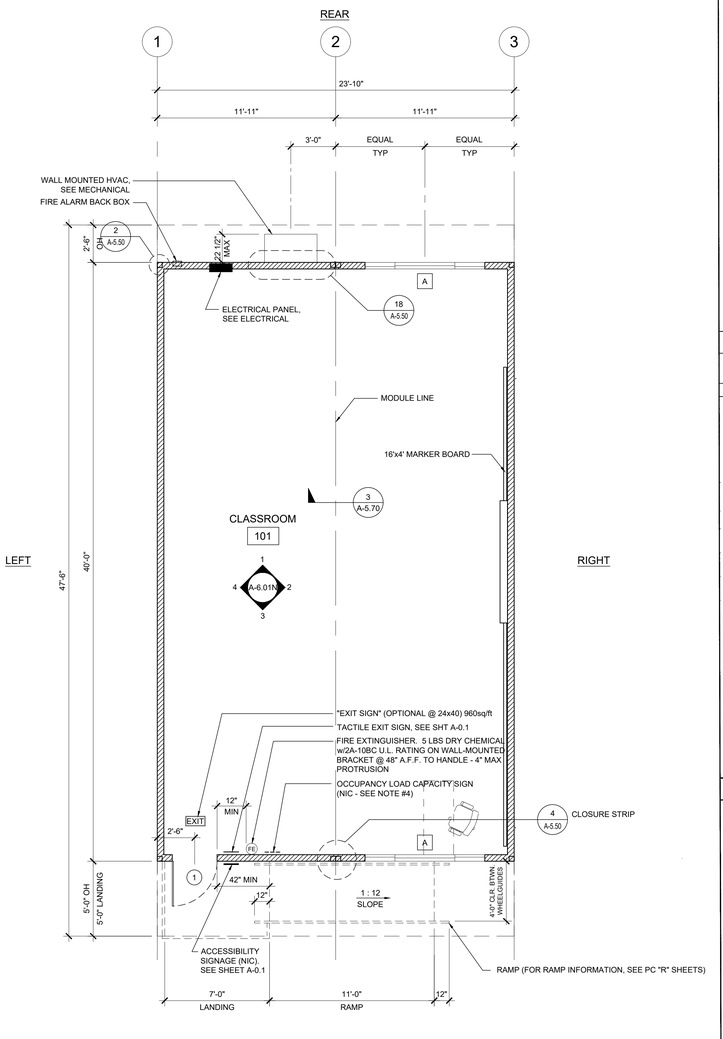
SILVER CREEK INDUSTRIES
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE:

SHEET NUMBER
A-1.00N



FRONT

24x40 STAFF LAUNGE — SCALE: 1/4" = 1' - 0" | 2



FRONT

24x40 CLASSROOM — SCALE: 1/4" = 1' - 0" | 1

NOTES

SEE PC
SHEET A-1.01

DETAIL SCHEDULE

FINISH:	SHEET #:
✖ SIDING OVER WOOD STUDS (WUI COMPLIANT DURATEMP)A-5.50	

WALL LEGEND

- NOMINAL 4" WALL STUD ✖
- NOMINAL 6" WALL STUD ✖
- NOMINAL 8" WALL STUD ☐

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5303 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
FLOOR PLAN
24' x 40'

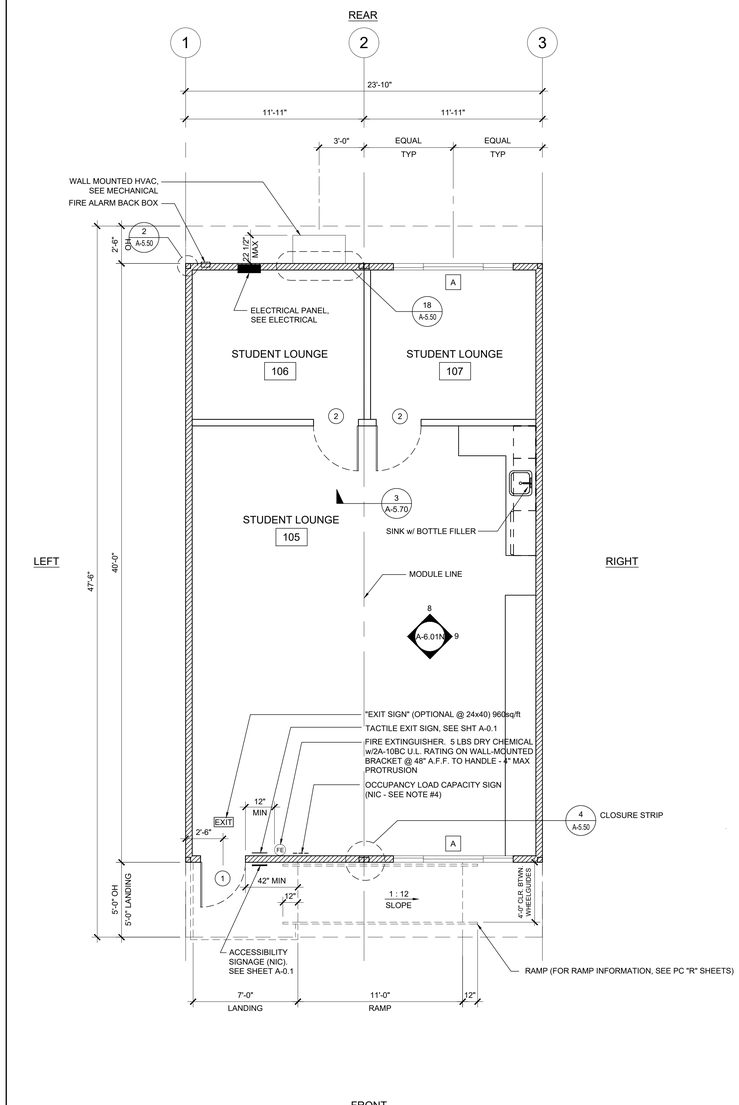
ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE:

SHEET NUMBER
A-1.01N



NOTES

SEE PC
SHEET A-1.01

DETAIL SCHEDULE

FINISH:	SHEET #:
✖ SIDING OVER WOOD STUDS (WUI COMPLIANT DURATEMP)A-5.50	

WALL LEGEND

- NOMINAL 4" WALL STUD ✖
- NOMINAL 6" WALL STUD ✖
- NOMINAL 8" WALL STUD ☐

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
FLOOR PLAN
24' x 40'

ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

REVISIONS
1
2
3
4
5
6
7
8

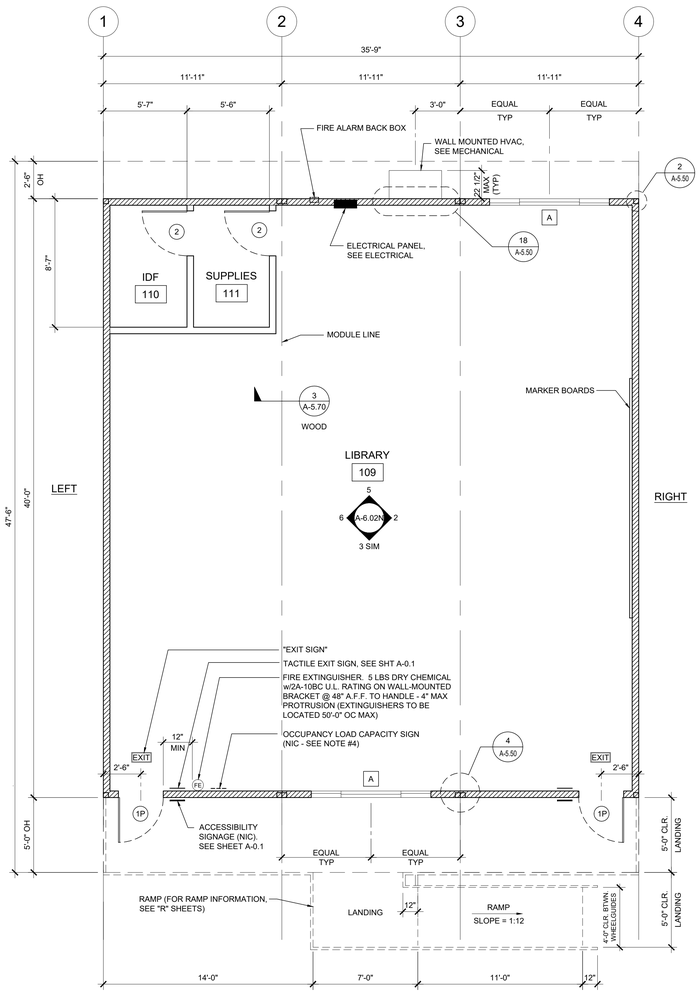
SILVER CREEK INDUSTRIES

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	

SHEET NUMBER
A-1.01.1N

24x40 STUDENT LAUNGE — SCALE: 1/4" = 1' - 0" — 1

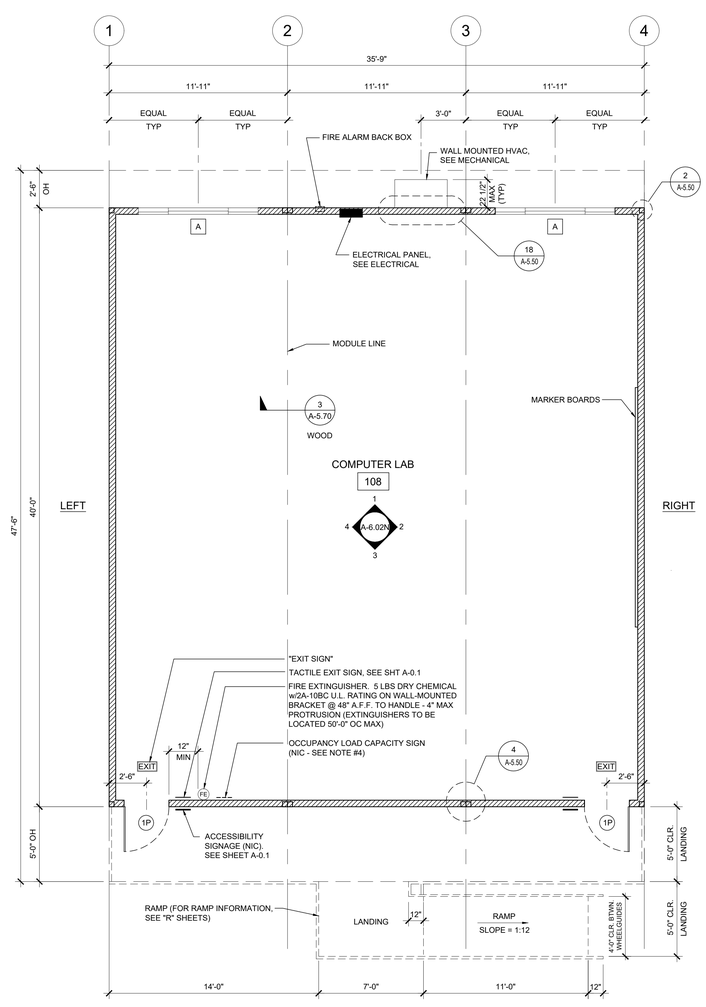
REAR



FRONT

36x40 LIBRARY SCALE: 1/4" = 1' - 0" 2

REAR



FRONT

36x40 COMPUTER LAB SCALE: 1/4" = 1' - 0" 1

NOTES

SEE PC
SHEET A-2.01

DETAIL SCHEDULE

FINISH:	SHEET #:
☒ SIDING OVER WOOD STUDS(WUI COMPLIANT DURATEMP)	A-5.50

WALL LEGEND

- NOMINAL 4" WALL STUD ☒
- NOMINAL 6" WALL STUD ☒
- NOMINAL 8" WALL STUD ☐

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

SHEET TITLE:

FLOOR PLAN
36' x 40'

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

REVISIONS

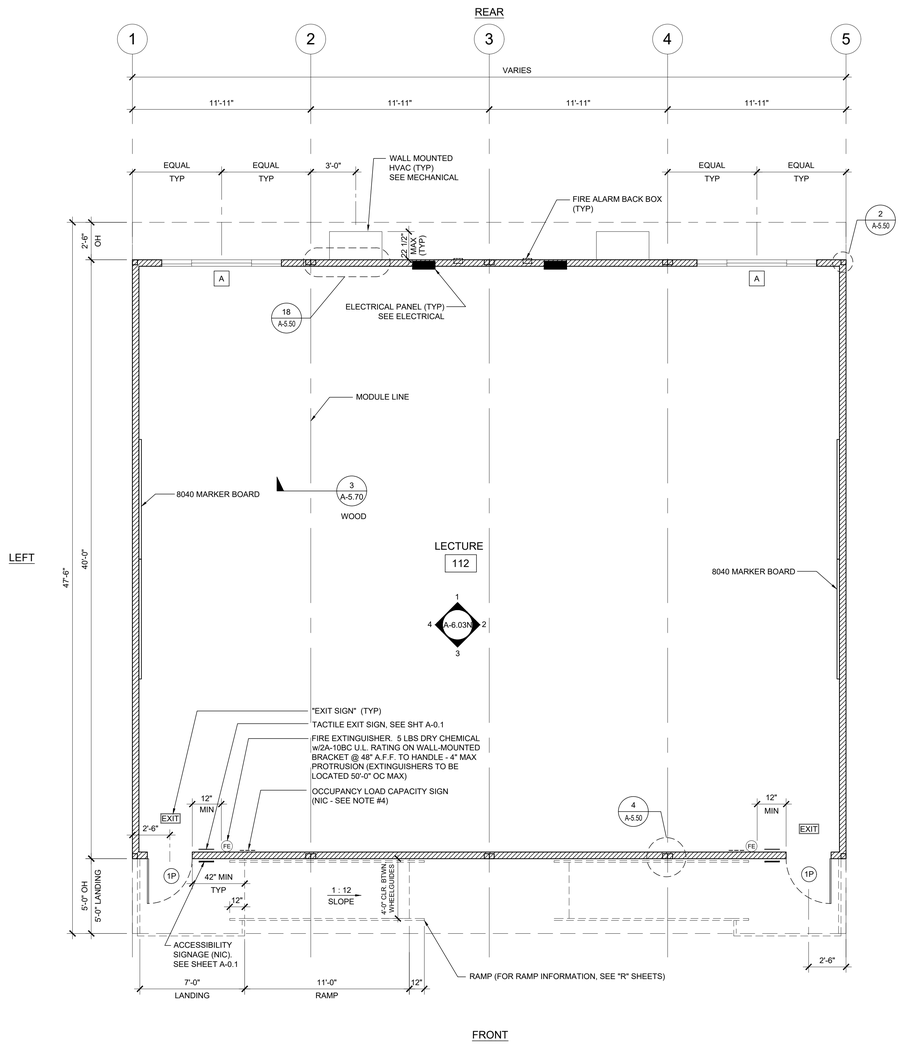
1	
2	
3	
4	
5	
6	
7	
8	

SILVER CREEK INDUSTRIES

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	

SHEET NUMBER

A-1.02N



48x40 LECTURE FLOOR PLAN

SCALE: 1/4" = 1'-0" | 1

NOTES

SEE PC
SHEET A-1.03

DETAIL SCHEDULE

FINISH:	SHEET #:
SIDING OVER WOOD STUDS (WUI COMPLIANT DURATEMP)	A-5.50

WALL LEGEND

- NOMINAL 4" WALL STUD
- NOMINAL 6" WALL STUD
- NOMINAL 8" WALL STUD

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
FLOOR PLAN
48' TO 120' x 40'

ARCHITECT OF RECORD SUBMISSION DATE
No. C-33457
REN: 01-31-2019

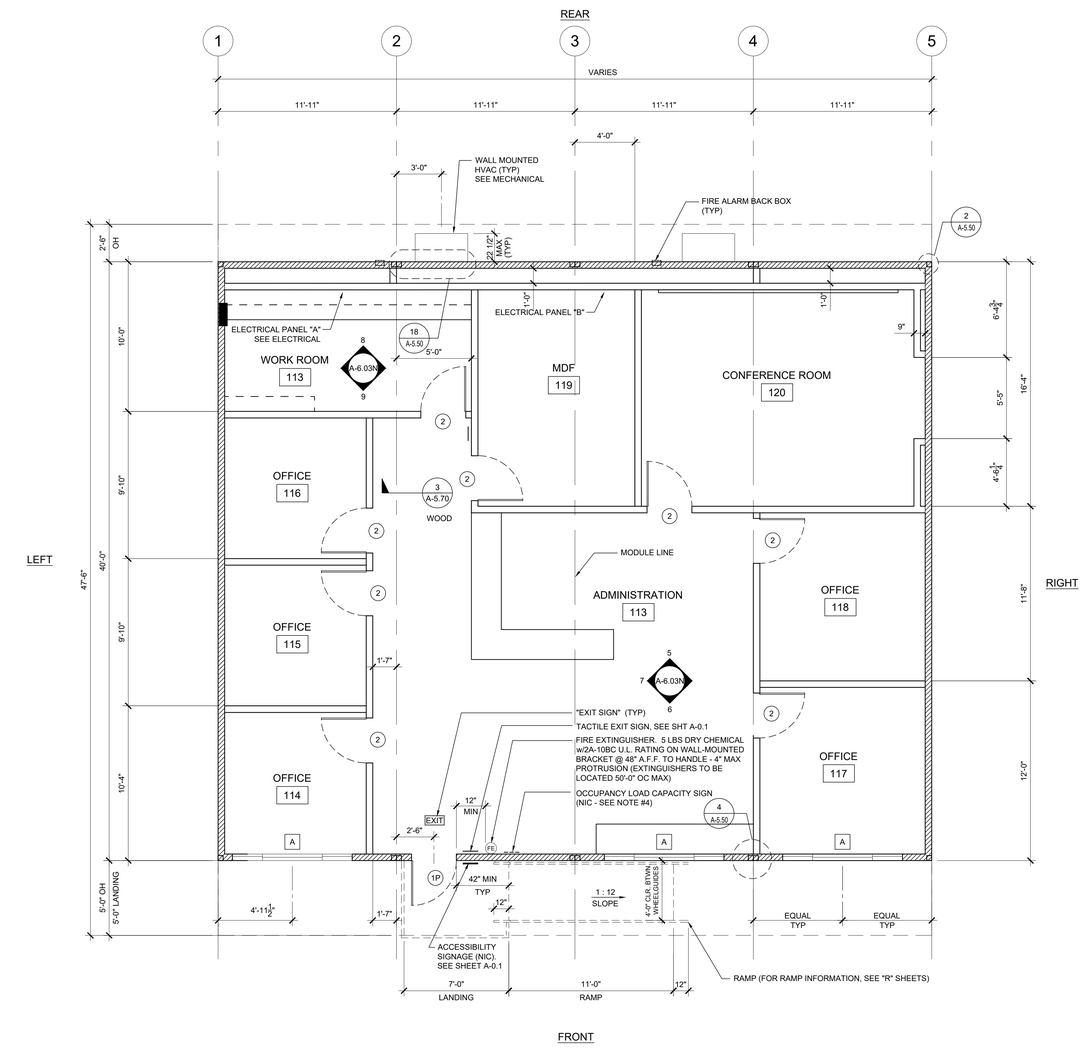
PROJECT SPECIFIC STATE AGENCY APPROVAL

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	

SHEET NUMBER
A-1.03N



48x40 ADMIN FLOOR PLAN

SCALE: 1/4" = 1'-0" 1

NOTES

SEE PC
SHEET A-1.03

DETAIL SCHEDULE

FINISH:	SHEET #:
✖ SIDING OVER WOOD STUDS(WUI COMPLIANT DURATEMP)	A-5.50

WALL LEGEND

- NOMINAL 4" WALL STUD ✖
- NOMINAL 6" WALL STUD ✖
- NOMINAL 8" WALL STUD ☐

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
FLOOR PLAN
48' TO 120' x 40'

ARCHITECT OF RECORD SUBMISSION DATE

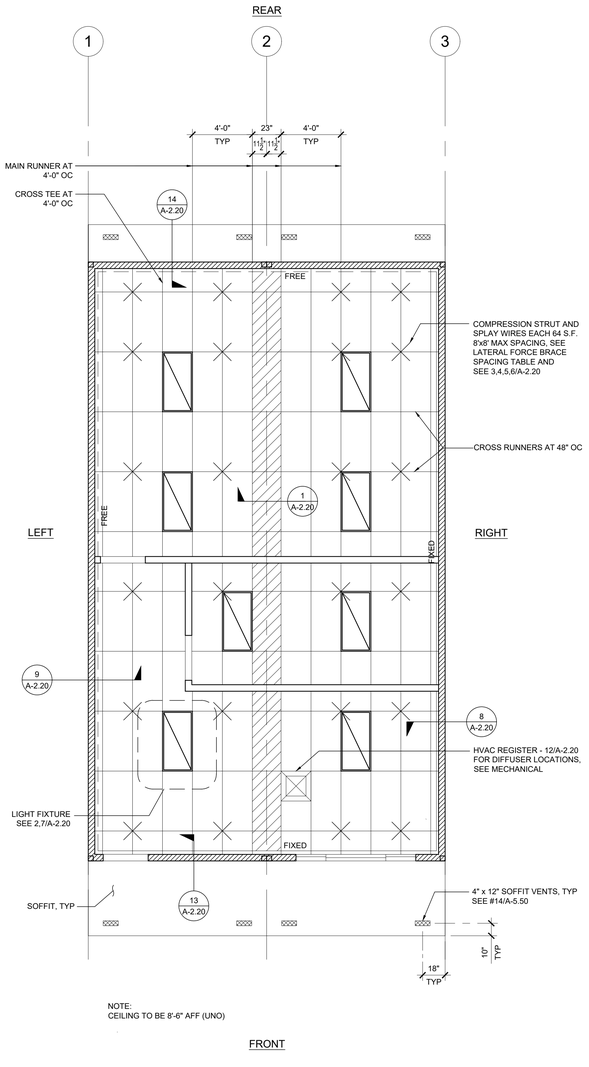
PROJECT SPECIFIC STATE AGENCY APPROVAL

REVISIONS
1
2
3
4
5
6
7
8

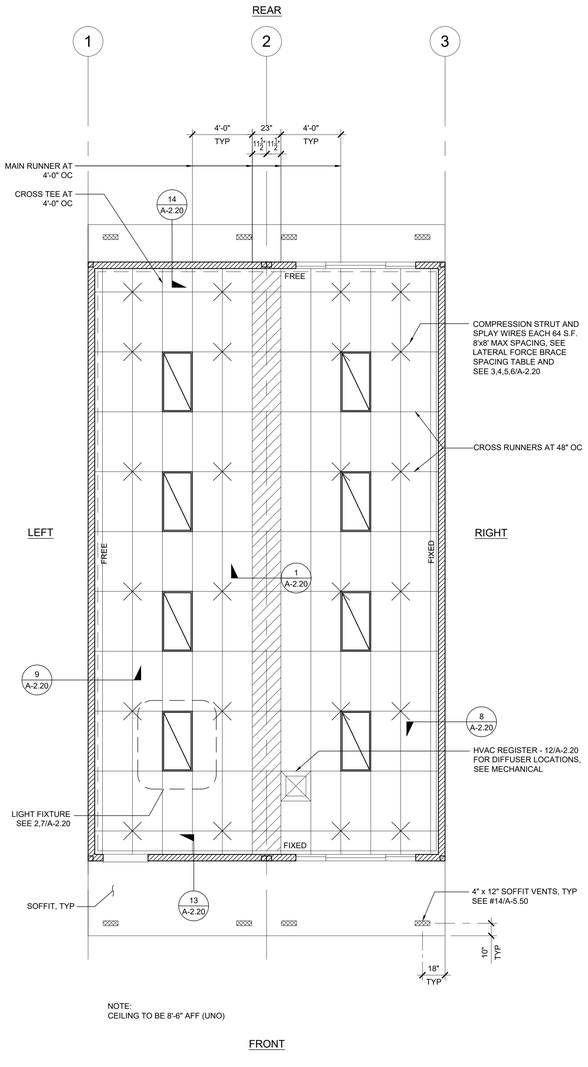
SILVER CREEK INDUSTRIES

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE:

SHEET NUMBER
A-1.03.1N



REFLECTED CEILING PLAN - STAFF LOUNGE SCALE: 1/4" = 1'-0" 2



REFLECTED CEILING PLAN - 24x40 CLASSROOM SCALE: 1/4" = 1'-0" 1

LEGEND

SEE PC SHEET A-2.01 FOR LEGEND AND NOTES

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

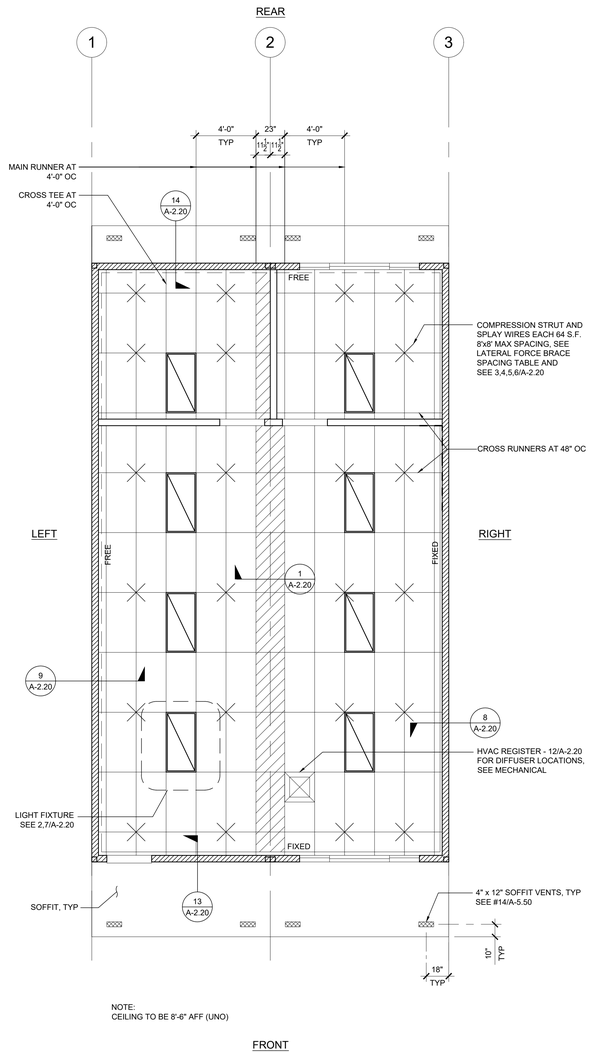
SHEET TITLE:
REFLECTED CEILING PLAN
24' x 40'

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE:
SHEET NUMBER
A-2.01N



LEGEND

SEE PC SHEET A-2.01 FOR LEGEND AND NOTES

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
REFLECTED CEILING PLAN
24' x 40'

ARCHITECT OF RECORD SUBMISSION DATE
No. C-33457
REN: 01-31-2019
STATE OF CALIFORNIA

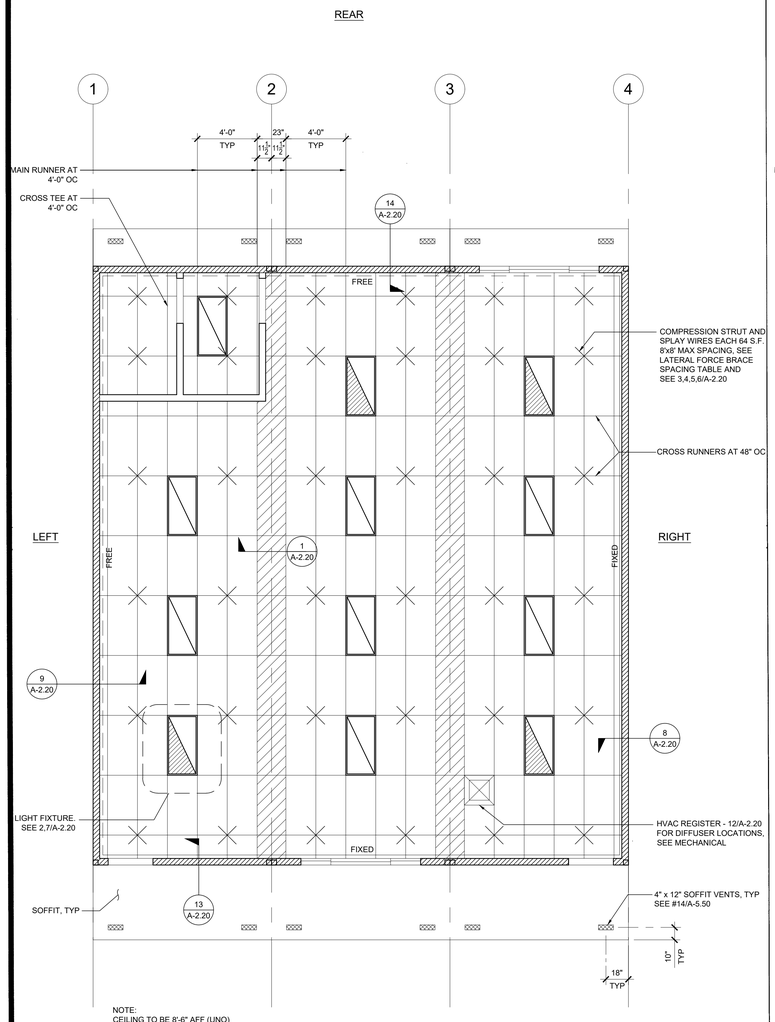
PROJECT SPECIFIC STATE AGENCY APPROVAL

REVISIONS
1
2
3
4
5
6
7
8

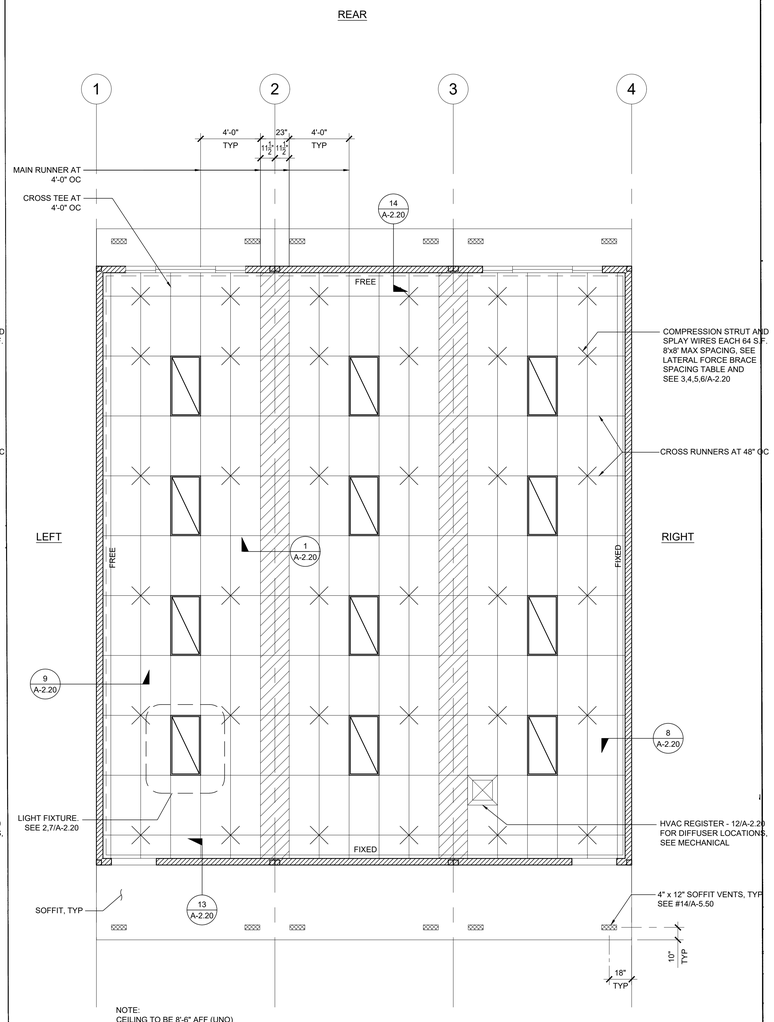
SILVER CREEK INDUSTRIES
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE:

SHEET NUMBER
A-2.01.1N

REFLECTED CEILING PLAN - STUDENT LOUNGE SCALE: 1/4" = 1'- 0" 1



REFLECTED CEILING PLAN - LIBRARY SCALE: 1/4" = 1'-0" 2



REFLECTED CEILING PLAN - COMPUTER LAB SCALE: 1/4" = 1'-0" 1

LEGEND

SEE PC SHEET A-2.02 FOR LEGEND AND NOTES

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BLDG SIZES

SHEET TITLE:
REFLECTED CEILING PLAN
36' x 40'

ARCHITECT OF RECORD SUBMISSION DATE

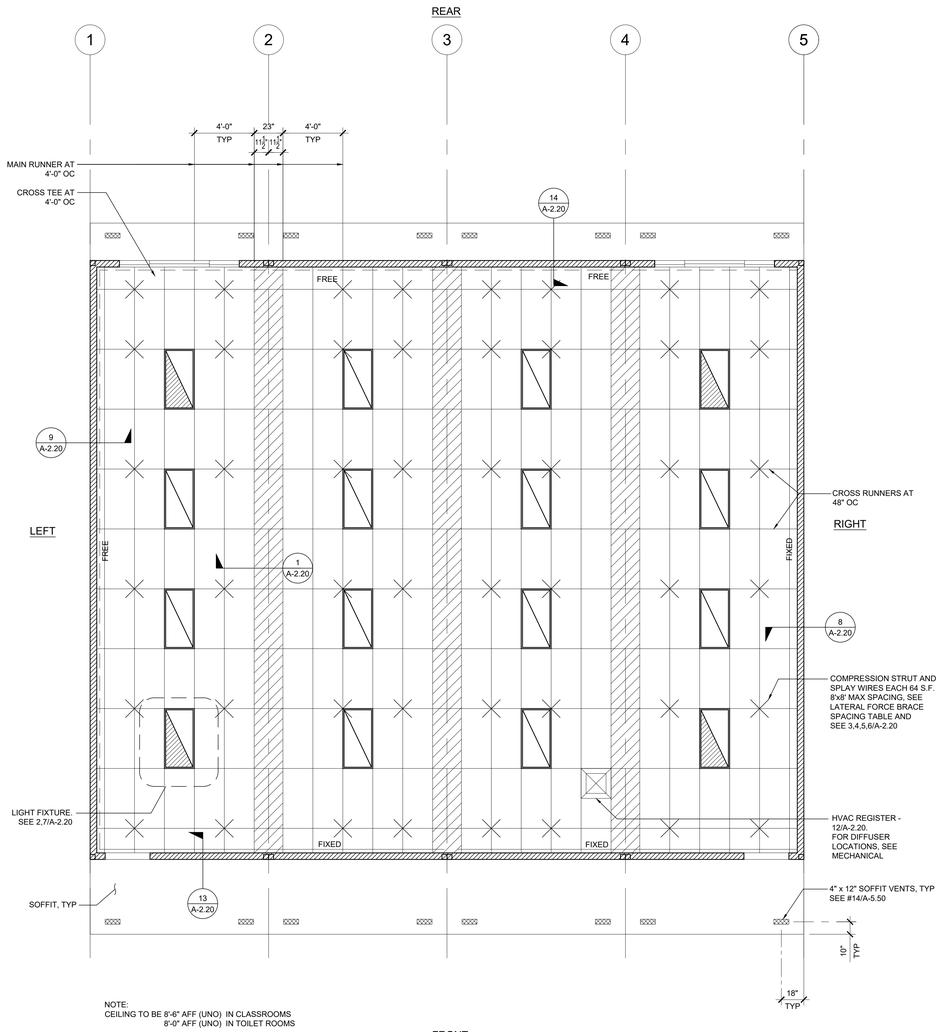
PROJECT SPECIFIC STATE AGENCY APPROVAL

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE:

SHEET NUMBER
A-2.02N



NOTE:
CEILING TO BE 8'-6" AFF (UNO) IN CLASSROOMS
8'-0" AFF (UNO) IN TOILET ROOMS

REFLECTED CEILING PLAN - LECTURE

SCALE: 1/4" = 1'-0" | 1

LEGEND

SEE PC SHEET A-2.03 FOR LEGEND AND NOTES

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
REFLECTED CEILING PLAN

ARCHITECT OF RECORD SUBMISSION DATE
No. C-34467
REN: 01-31-2019

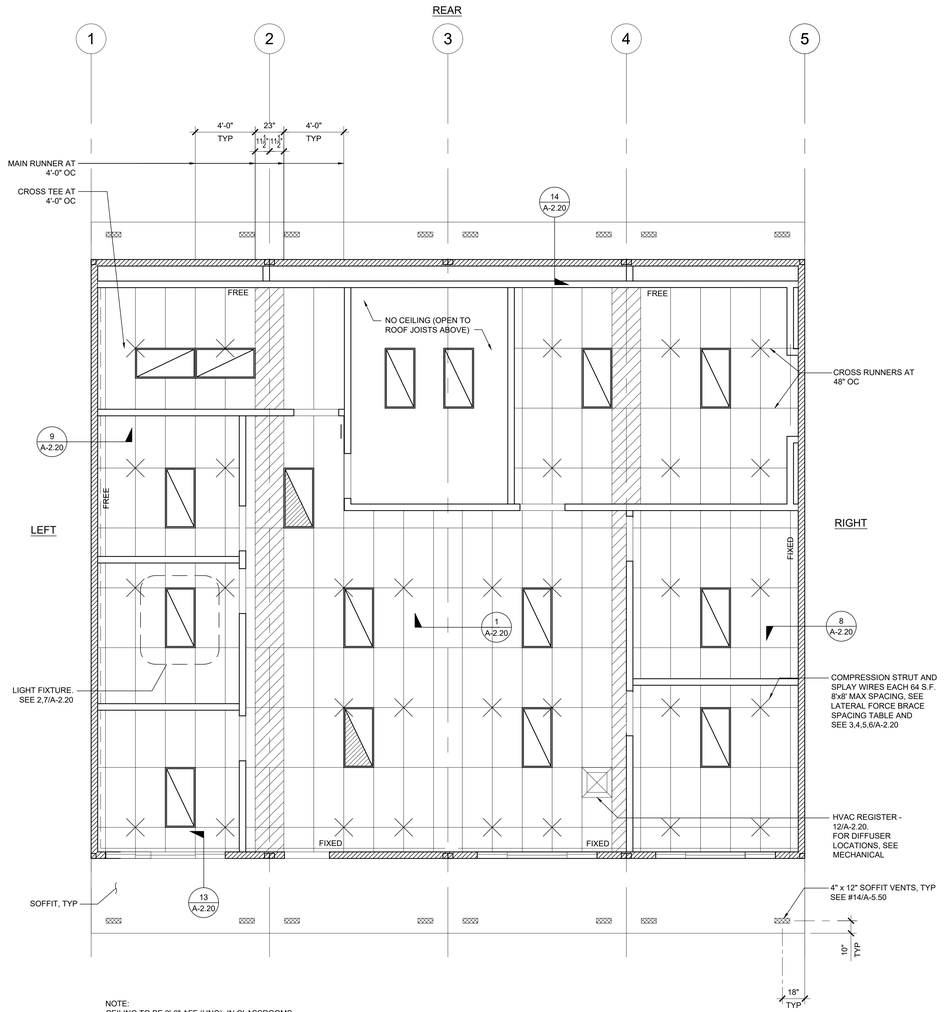
PROJECT SPECIFIC STATE AGENCY APPROVAL

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE:

SHEET NUMBER
A-2.03N



REFLECTED CEILING PLAN - ADMIN

SCALE: 1/4" = 1'-0" | 1

LEGEND

SEE PC SHEET A-2.03 FOR LEGEND AND NOTES

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
REFLECTED CEILING PLAN

ARCHITECT OF RECORD SUBMISSION DATE
No. C-33467
REN: 01-31-2019
STATE OF CALIFORNIA

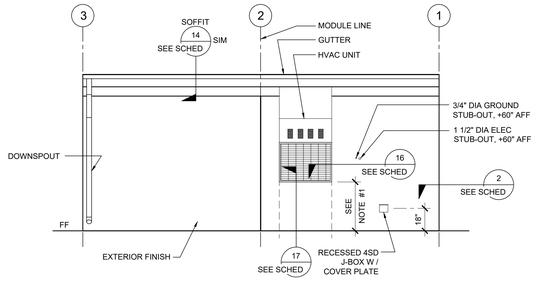
PROJECT SPECIFIC STATE AGENCY APPROVAL

REVISIONS
1
2
3
4
5
6
7
8

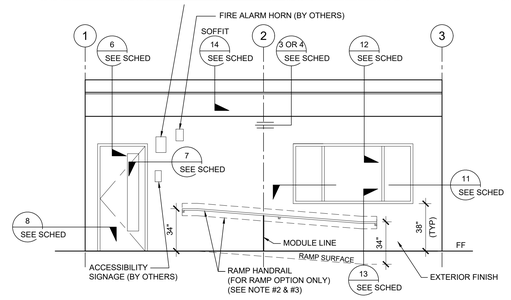
SILVER CREEK INDUSTRIES

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE:

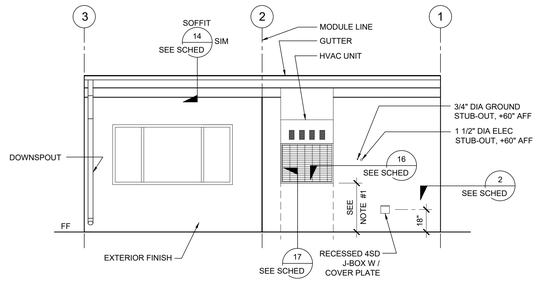
SHEET NUMBER
A-2.03.1N



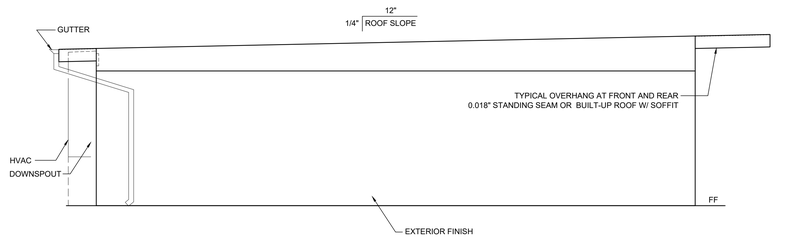
EXTERIOR ELEVATION — SCALE: 1/4" = 1' - 0" | 5



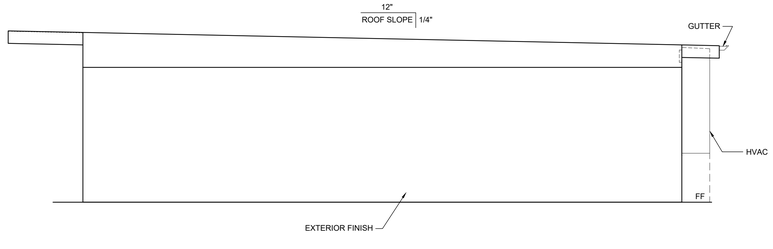
EXTERIOR ELEVATION — SCALE: 1/4" = 1' - 0" | 1



EXTERIOR ELEVATION — SCALE: 1/4" = 1' - 0" | 6



EXTERIOR ELEVATION — SCALE: 1/4" = 1' - 0" | 7



EXTERIOR ELEVATION — SCALE: 1/4" = 1' - 0" | 3

EXTERIOR ELEVATION — SCALE: 1/4" = 1' - 0" | 8

EXTERIOR ELEVATION — SCALE: 1/4" = 1' - 0" | 4

NOTES (EXTERIOR ELEVATION)

SEE PC
SHEET A-4.01

DETAIL SCHEDULE

EXTERIOR FINISH:	SHEET #:
✖ SIDING OVER WOOD STUDS (WUI COMPLIANT DURATEMP) A-5.50	

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
EXTERIOR ELEVATION

ARCHITECT OF RECORD SUBMISSION DATE

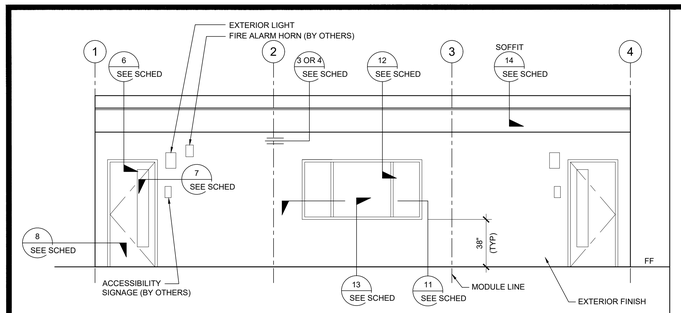
PROJECT SPECIFIC STATE AGENCY APPROVAL

REVISIONS
1
2
3
4
5
6
7
8

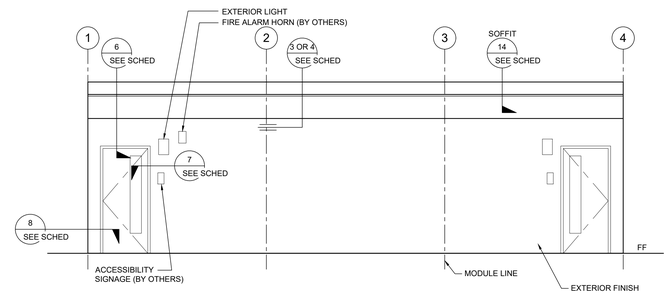
SILVER CREEK INDUSTRIES

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	

SHEET NUMBER
A-4.01N



EXTERIOR ELEVATION — SCALE: 1/4" = 1' - 0" — 5



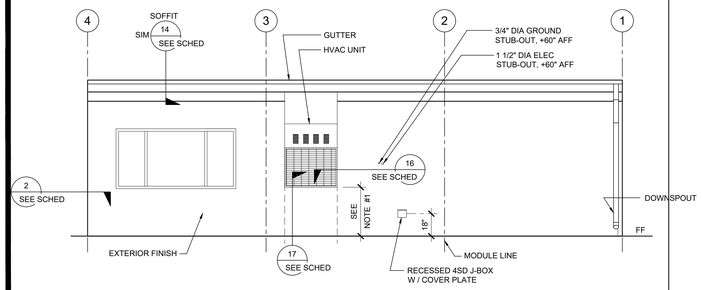
EXTERIOR ELEVATION — SCALE: 1/4" = 1' - 0" — 1

NOTES (EXTERIOR ELEVATION)

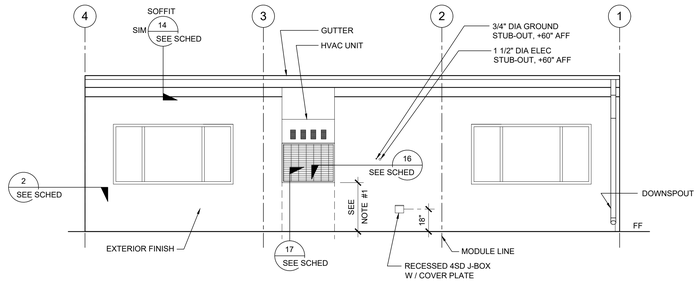
SEE PC
SHEET A-4.02

DETAIL SCHEDULE

EXTERIOR FINISH:	SHEET #:
✖ SIDING OVER WOOD STUDS(WUI COMPLIANT DURATEMP) A-5.50	

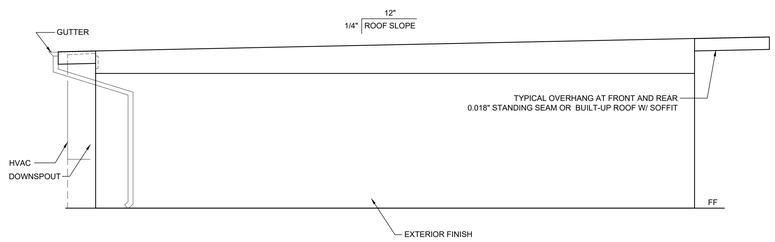


EXTERIOR ELEVATION — SCALE: 1/4" = 1' - 0" — 6



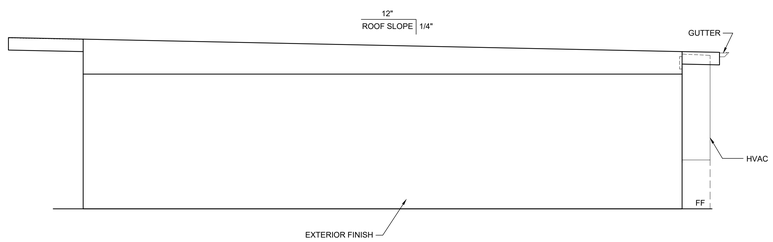
EXTERIOR ELEVATION — SCALE: 1/4" = 1' - 0" — 2

7



EXTERIOR ELEVATION — SCALE: 1/4" = 1' - 0" — 3

8



EXTERIOR ELEVATION — SCALE: 1/4" = 1' - 0" — 4

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
EXTERIOR ELEVATION

ARCHITECT OF RECORD
SUBMISSION DATE

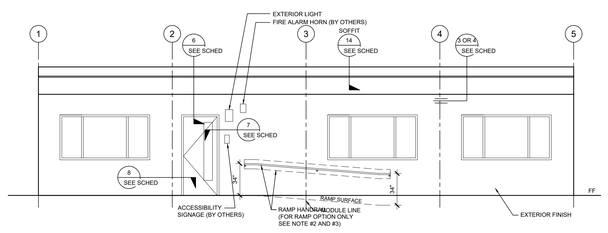
PROJECT SPECIFIC STATE AGENCY APPROVAL

REVISIONS
1
2
3
4
5
6
7
8

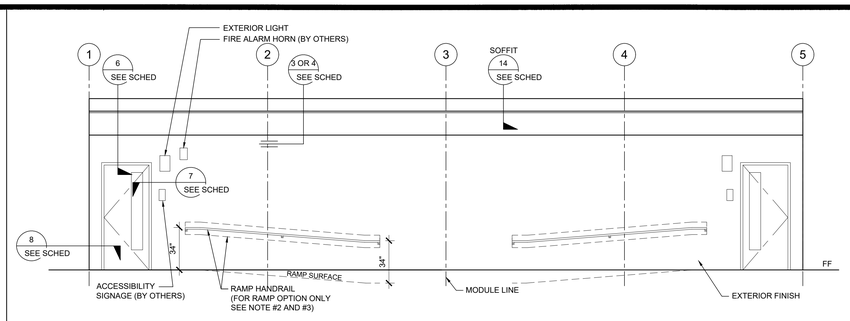
SILVER CREEK INDUSTRIES

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	

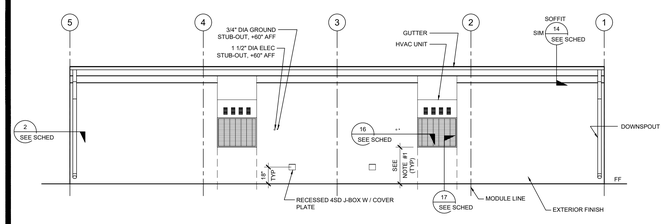
SHEET NUMBER
A-4.02N



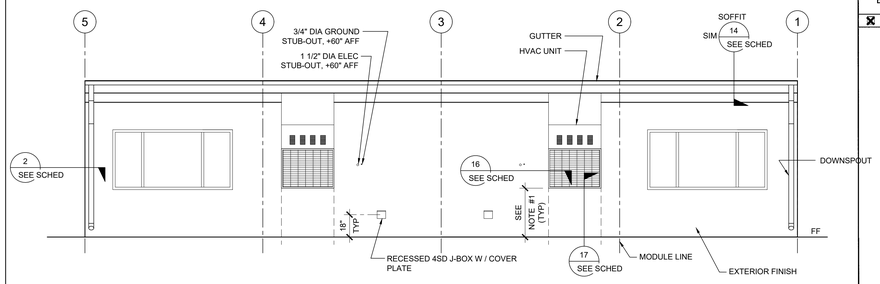
EXTERIOR ELEVATION SCALE: 3/16" = 1' - 0" | 5



EXTERIOR ELEVATION SCALE: 1/4" = 1' - 0" | 1

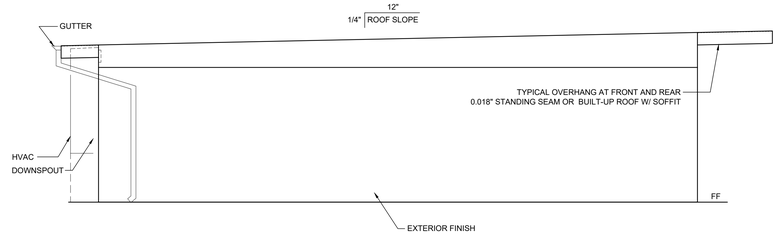


EXTERIOR ELEVATION SCALE: 3/16" = 1' - 0" | 6



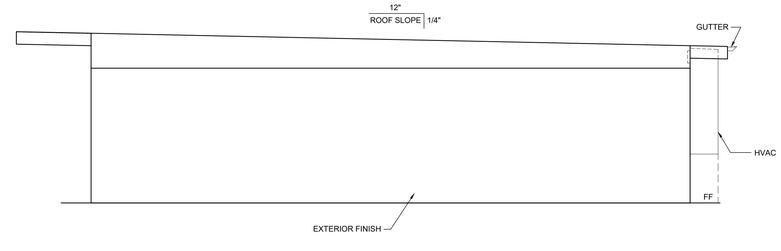
EXTERIOR ELEVATION SCALE: 1/4" = 1' - 0" | 2

7



EXTERIOR ELEVATION SCALE: 1/4" = 1' - 0" | 3

8



EXTERIOR ELEVATION SCALE: 1/4" = 1' - 0" | 4

NOTES (EXTERIOR ELEVATION)

SEE PC
SHEET A-4.04

DETAIL SCHEDULE

EXTERIOR FINISH:	SHEET #:
✖ SIDING OVER WOOD STUDS (WUI COMPLIANT DURATEMP)	A-5.50

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
EXTERIOR ELEVATION

ARCHITECT OF RECORD
SUBMISSION DATE

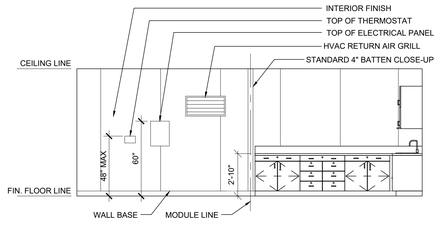
PROJECT SPECIFIC STATE AGENCY APPROVAL

REVISIONS
1
2
3
4
5
6
7
8

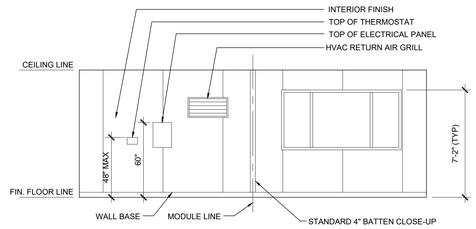
SILVER CREEK INDUSTRIES

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	

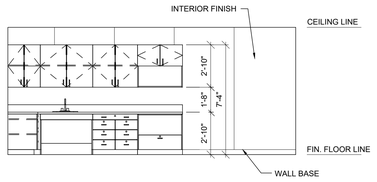
SHEET NUMBER
A-4.03N



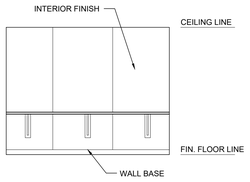
INTERIOR ELEVATION SCALE: 1/4" = 1' - 0" | 5



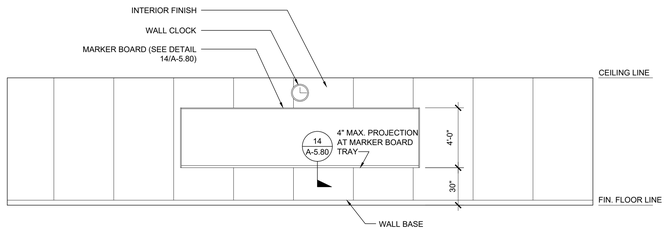
INTERIOR ELEVATION SCALE: 1/4" = 1' - 0" | 1



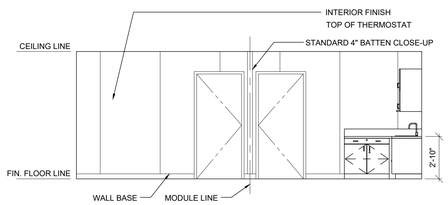
INTERIOR ELEVATION SCALE: 1/4" = 1' - 0" | 6



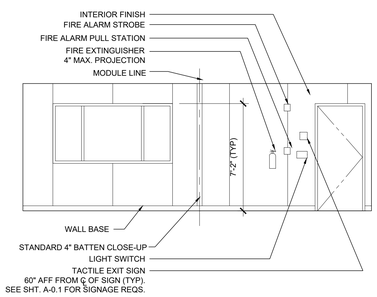
INTERIOR ELEVATION SCALE: 1/4" = 1' - 0" | 7



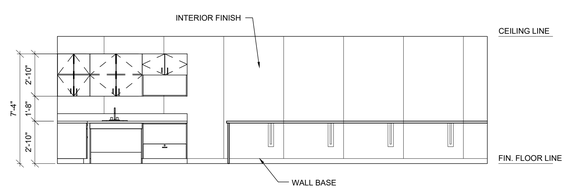
INTERIOR ELEVATION SCALE: 1/4" = 1' - 0" | 2



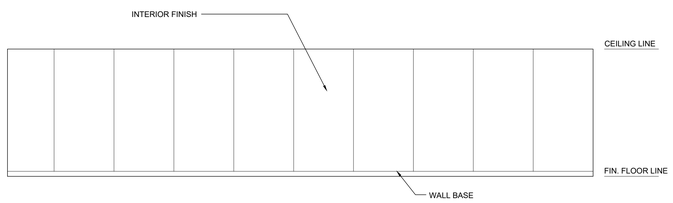
INTERIOR ELEVATION SCALE: 1/4" = 1' - 0" | 8



INTERIOR ELEVATION SCALE: 1/4" = 1' - 0" | 3



INTERIOR ELEVATION SCALE: 1/4" = 1' - 0" | 9



INTERIOR ELEVATION SCALE: 1/4" = 1' - 0" | 4

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
INTERIOR ELEVATION

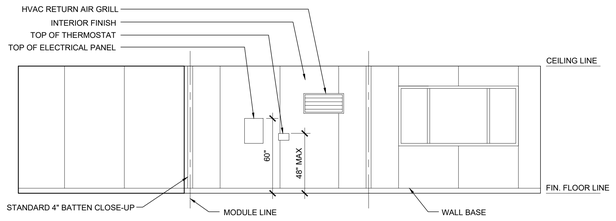
ARCHITECT OF RECORD SUBMISSION DATE
No. C-33467
REN: 01-31-2019
STATE OF CALIFORNIA

PROJECT SPECIFIC STATE AGENCY APPROVAL

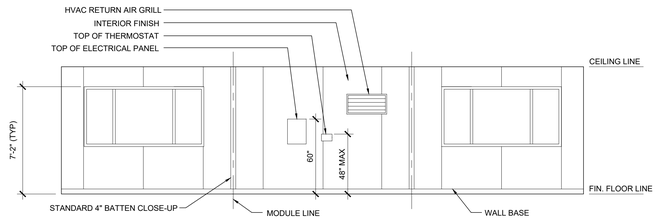
REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE:

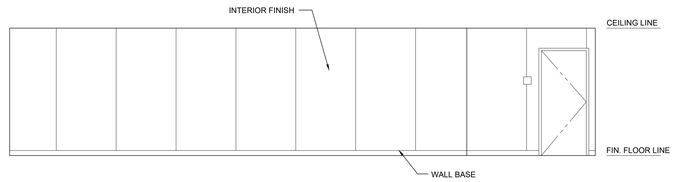
SHEET NUMBER
A-6.01N



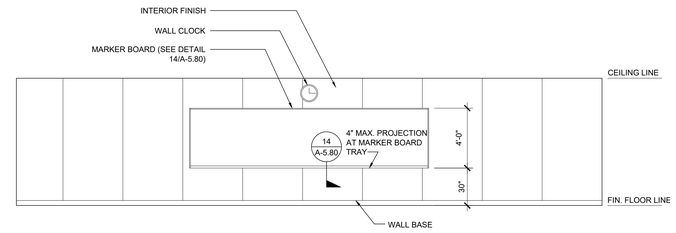
INTERIOR ELEVATION SCALE: 1/4" = 1' - 0" | 5



INTERIOR ELEVATION SCALE: 1/4" = 1' - 0" | 1

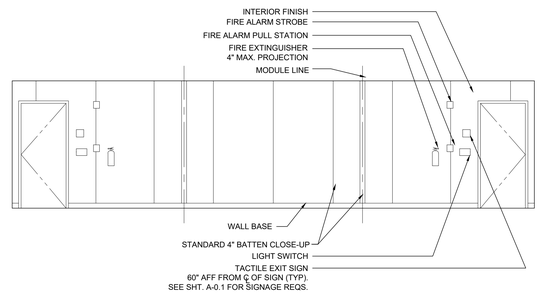


INTERIOR ELEVATION SCALE: 1/4" = 1' - 0" | 6



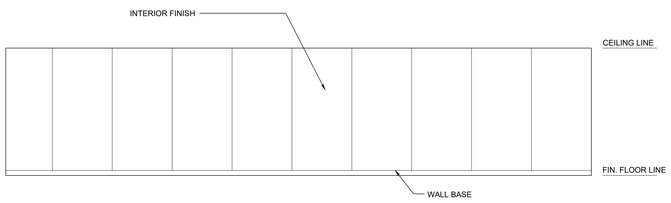
INTERIOR ELEVATION SCALE: 1/4" = 1' - 0" | 2

NOT USED | 7



INTERIOR ELEVATION SCALE: 1/4" = 1' - 0" | 3

NOT USED | 8



INTERIOR ELEVATION SCALE: 1/4" = 1' - 0" | 4

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
INTERIOR ELEVATION

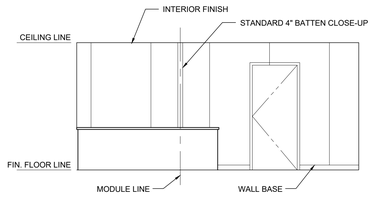
ARCHITECT OF RECORD
SUBMISSION DATE
No. C-33467
REN. 01-31-2019

PROJECT SPECIFIC STATE AGENCY APPROVAL

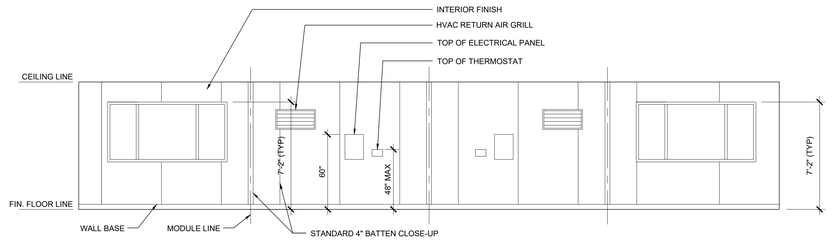
REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE:

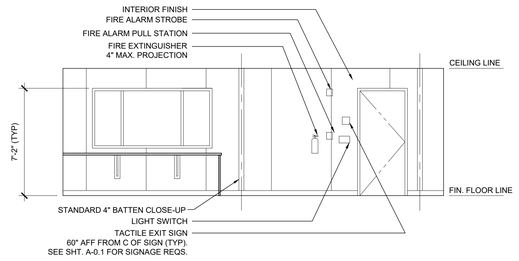
SHEET NUMBER
A-6.02N



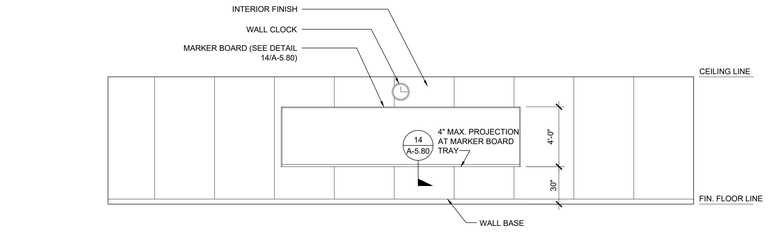
INTERIOR ELEVATION SCALE: 1/4" = 1' - 0" 5



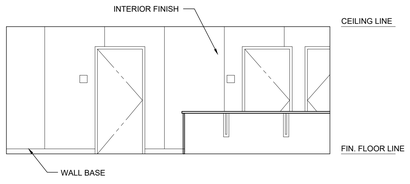
INTERIOR ELEVATION SCALE: 1/4" = 1' - 0" 1



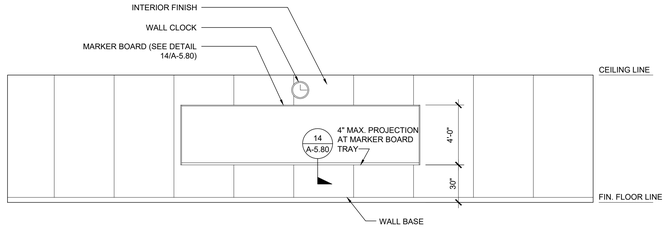
INTERIOR ELEVATION SCALE: 1/4" = 1' - 0" 6



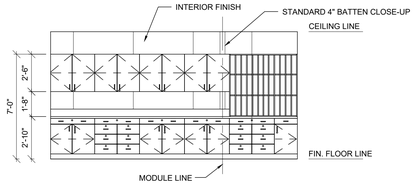
INTERIOR ELEVATION SCALE: 1/4" = 1' - 0" 2



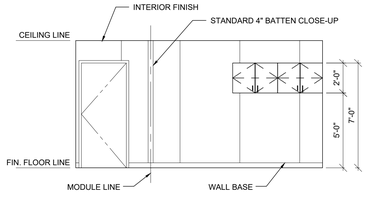
INTERIOR ELEVATION SCALE: 1/4" = 1' - 0" 7



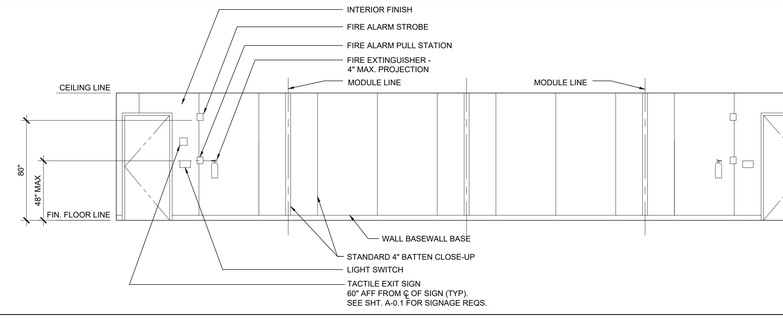
INTERIOR ELEVATION SCALE: 1/4" = 1' - 0" 3



INTERIOR ELEVATION SCALE: 1/4" = 1' - 0" 8



INTERIOR ELEVATION SCALE: 1/4" = 1' - 0" 9



INTERIOR ELEVATION SCALE: 1/4" = 1' - 0" 4

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

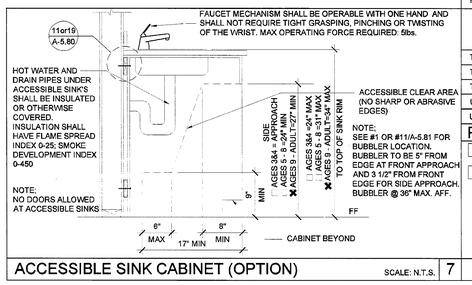
SHEET TITLE:
INTERIOR ELEVATION

ARCHITECT OF RECORD SUBMISSION DATE
No. C-33467
REN. 01-31-2019
STATE OF CALIFORNIA

PROJECT SPECIFIC STATE AGENCY APPROVAL

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE:
SHEET NUMBER
A-6.03N



ACCESSIBLE SINK CABINET (OPTION) SCALE: N.T.S. 7

THE DIVISION OF THE STATE ARCHITECT, OFFICE OF REGULATION SERVICES ACCEPTS THE FOLLOWNG DIMENSIONS AS ADEQUATELY SERVING THE NEEDS OF CHILDREN IN PROJECTS UNDER THEIR JURISDICTION. THESE DIMENSIONS ARE BASED ON CBC TABLE 11B-604.9 SUGGESTED DIMENSIONS FOR WATER CLOSETS SERVING CHILDREN AGES 3 TO 12.

ACCESSIBILITY DIMENSIONS	11B-604.9 SUGGESTED DIMS
	ADULT
TOILET CENTERING FROM WALL	17" - 18"
TOILET SEAT HEIGHT (DIM TO TOP OF SEAT)	17" - 19"
GRAB BAR HEIGHT (TO TOP)	33" - 36"
TOILET PAPER IN FRONT OF TOILET	7" - 9"
NAPKIN DISPOSAL IN FRONT OF TOILET	12" MAX.
MIRROR HEIGHT (TO BOTTOM OF GLASS)	40" MAX.
DISPENSER HEIGHT	19" MIN.
LAVATORY/SINK TOP HEIGHT	34" MAX.
LAVATORY/SINK KNEE CLEARANCE	27" MIN.
URINAL LIP HEIGHT	17" MAX.
URINAL FLUSH HANDLE HEIGHT	44" MAX.
DRINKING FOUNTAIN BUBBLER HT. (LOW)	36" MAX.
DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN.
RAMP/STAIR HANDRAIL HEIGHT (TO TOP)	34" - 38"

STANDARD DIMENSIONS	ALTERNATE HEIGHT (DIMS)
	ADULT
TOILET CENTERING FROM WALL/PARTITION	15" MIN
TOILET SEAT HEIGHT/DIM TO TOP OF SEAT	15"
TOILET CLEARANCE/FRONT	24"
URINAL LIP HEIGHT	24"
URINAL CENTER FROM WALL/PARTITION	12"

PLUMBING ACCESSORIES (REF. ONLY - MODELS FURNISHED AND INSTALLED BY DISTRICT U.N.O.)

A SOAP DISPENSER: LIQUID SOAP DISPENSER 4" MAX. PROJECTION

B PAPER TOWEL DISPENSER/TRASH BIN COMBO: SURFACE MOUNTED 4" MAX. PROJECTION-CANNOT ENCROACH INTO 30x48 CLEAR SPACE OF FIXTURE

C TOILET PAPER HOLDER: SINGLE ROLL SEMI-RECESSED OR 3" MAX PROJECTION

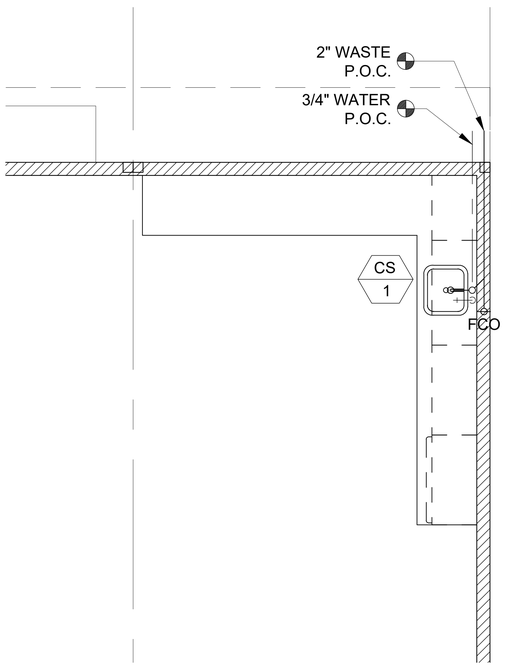
D TOILET SEAT DISPENSER: SURFACE MOUNTED

★ 44" MAX. PER CODE
[A] = ADULT; [E] = AGES 9-12; [K] = AGES 3-8

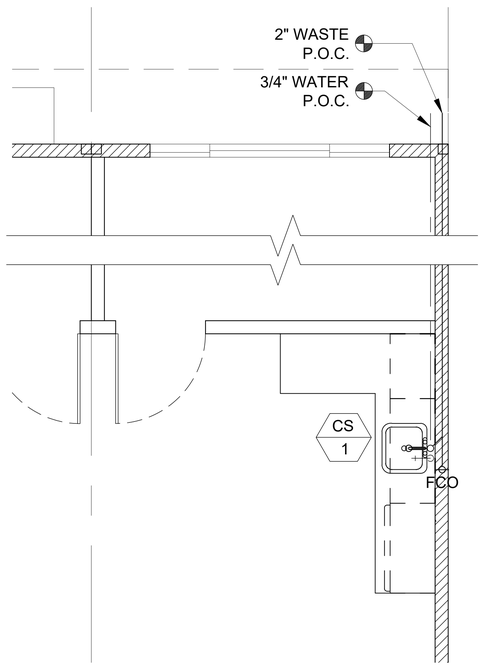
2

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE	COLD WATER	HOT WATER	WASTE	VENT	FIXTURE DESCRIPTION (AS CALLED OUT OR APPROVED EQUAL)
CS 1	CLASSROOM SINK	1/2"	1/2"	2"	1 1/2"	JUST CRA-1725-A-GR 17"x25" w/ 4 1/2" BOWL DEPTH, WITH CHICAGO FAUCET #350 AND BUBBLER JSB-10
WH 1	WATER HEATER	3/4"	3/4"	-	-	☐ A.O. SMITH #DEL-6 (6 GALLON) ☐ A.O. SMITH #DEL-10 (10 GALLON)
WH 2	INSTANT WATER HEATER	1/2"	1/2"	-	-	EEMAX #SP3012, 120V, 3.0KW, 25A



PLUMBING @ STAFF LUNGE



PLUMBING @ STUDENT LUNGE

MATERIALS:
- ABS SCHEDULE 40 IS STANDARD
- CAST IRON W/ NO HUB CONNECTOR IS OPTION FOR BLDG. OVER 2160 SF.
- BASED ON 1/4" PER FOOT SLOPE

VENT LINE
WASTE LINE
WATER LINE

NOTE: ALL FIXTURES SHALL HAVE SHUT-OFF VALVES

TYPE "L" COPPER
MAX. DEV. LENGTH = 40 FT.
PRESSURE RANGE = 40 TO 60 PSI

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
PLUMBING DETAILS AND SCHEDULE

ARCHITECT OF RECORD SUBMISSION DATE
No. C-33467 REN: 01-31-2019

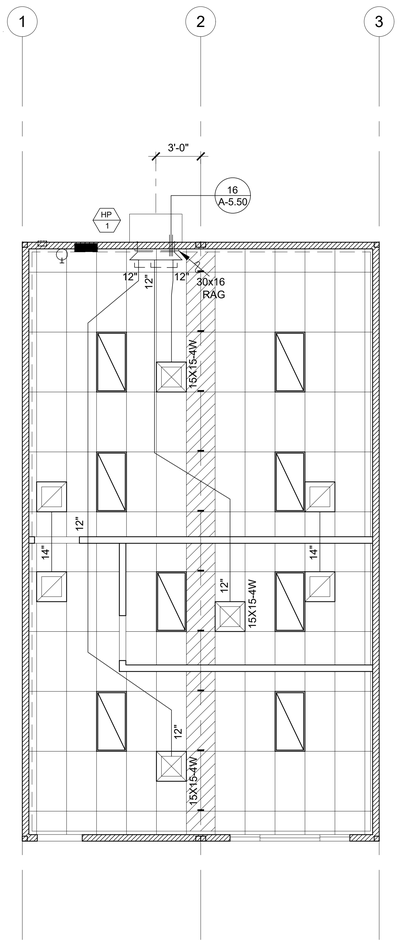
PROJECT SPECIFIC STATE AGENCY APPROVAL

REVISIONS
1
2
3
4
5
6
7
8

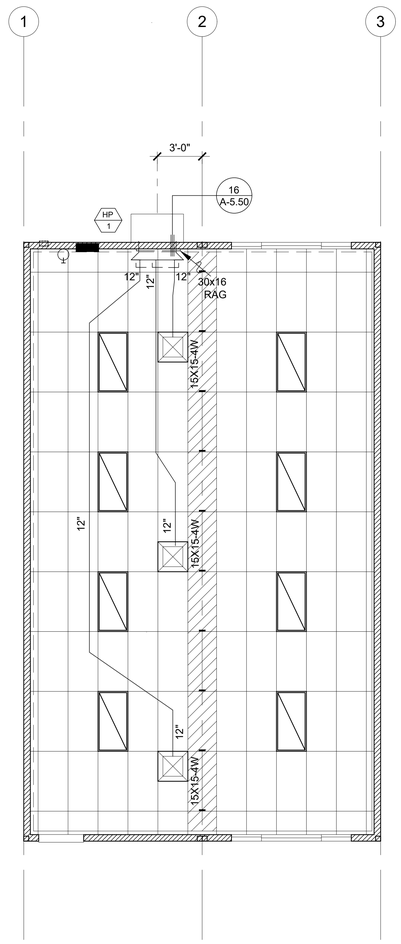
SILVER CREEK INDUSTRIES

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE:

SHEET NUMBER
P-1.01N



MECHANICAL - 24x40 STAFF LAUNGE SCALE: 1/4" = 1'-0" 2



MECHANICAL - 24x40 CLASSROOM SCALE: 1/4" = 1'-0" 1

9 EER			
SINGLE PACKAGE VERTICAL HEAT PUMP SCHEDULE			
	STANDARD	OPTION #1	OPTION #2
TAG	HP-1	HP-1	HP-1
NOMINAL TONNAGE	4.0 TONS	5 TONS	3.5 TONS
MANUFACTURER	BARD	BARD	BARD
MODEL#	W48H2-A04	W60H2-A05	W42H2-A04
CFM	1550	1700	1400
STATIC PRESSURE	0.3	0.3	0.3
DRIVE	DIRECT	DIRECT	DIRECT
MCA	58	67	50
MOCP	60	80	60
VOLTAGE	208/230-1	208/230-1	208/230-1
WIRE SIZE (PWR/GRND)	#6/#10	#4/#8	#6/#10
DESIGN RETURN AIR (DB/WB)	80/67	80/67	80/67
SENSIBLE COOLING @ 95° F	35,600	39,600	32,000
TOTAL COOLING @ 95° F	46,000	54,000	42,000
HEATING CAP. BTUH @ 47° F	44,000	54,000	42,000
HEATING CAP. BTUH @ 17° F	26,000	32,000	25,000
OPERATING WEIGHT	550#	580#	550#
EER	9.00	9.00	9.00
COP @ 47° F	3.00	3.00	3.00
COP @ 17° F	2.00	2.00	2.00

NOTES:
PROVIDE SET-BACK THERMOSTAT.
MODEL# SHOWN IS FOR UNIT WITH OPTIONAL AUXILIARY HEAT STRIP, IF HEAT STRIP IS NOT USED THE MCA AND MOCP MUST BE REVISED. HEAT STRIPS LARGER THAN THE SIZE SHOWN MAY NOT BE USED.
MINIMUM OUTSIDE AIR SHALL BE NO LESS THAN 15 CFM PER EXPECTED OCCUPANT LOAD.
THE UNIT SHALL UTILIZE DEMAND CONTROL VENTILATION, THE CO2 SENSOR SHALL BE LOCATED SO THAT IT IS NOT EXPECTED TO BE OBSTRUCTED BY FURNITURE OR EQUIPMENT AND SHALL BE INSTALLED NO LESS THAN 36" AFF AND NO MORE THAN 72" AFF.
AIR HANDLERS WITH OTHER VOLTAGES SHALL BE ACCEPTABLE.
AIR HANDLERS OTHER THAN THE MAKE AND MODEL LISTED ABOVE SHALL BE ACCEPTABLE WHEN THE NOMINAL TONNAGE DOES NOT EXCEED 5 TONS AND THE EER AND COP VALUES ARE NO LESS THAN THOSE SHOWN ABOVE.

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
MECHANICAL PLAN
WALL MOUNT
24' x 40'

ARCHITECT OF RECORD SUBMISSION DATE

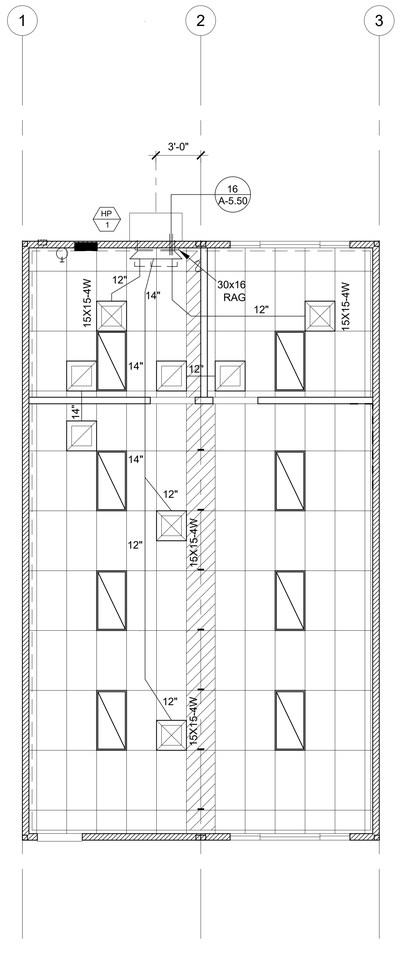
PROJECT SPECIFIC STATE AGENCY APPROVAL

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	

SHEET NUMBER
M-1.01N



9 EER			
SINGLE PACKAGE VERTICAL HEAT PUMP SCHEDULE			
	STANDARD	OPTION #1	OPTION #2
TAG	HP-1	HP-1	HP-1
NOMINAL TONNAGE	4.0 TONS	5 TONS	3.5 TONS
MANUFACTURER	BARD	BARD	BARD
MODEL#	W48H2-A04	W60H2-A05	W42H2-A04
CFM	1550	1700	1400
STATIC PRESSURE	0.3	0.3	0.3
DRIVE	DIRECT	DIRECT	DIRECT
MCA	58	67	50
MOCP	60	80	60
VOLTAGE	208/230-1	208/230-1	208/230-1
WIRE SIZE (PWR/GRND)	#6/#10	#4/#8	#6/#10
DESIGN RETURN AIR (DB/WB)	80/67	80/67	80/67
SENSIBLE COOLING @ 95° F	35,600	39,600	32,000
TOTAL COOLING @ 95° F	46,000	54,000	42,000
HEATING CAP. BTUH @ 47° F	44,000	54,000	42,000
HEATING CAP. BTUH @ 17° F	26,000	32,000	25,000
OPERATING WEIGHT	550#	580#	550#
EER	9.00	9.00	9.00
COP @ 47° F	3.00	3.00	3.00
COP @ 17° F	2.00	2.00	2.00

NOTES:
PROVIDE SET-BACK THERMOSTAT.
MODEL# SHOWN IS FOR UNIT WITH OPTIONAL AUXILIARY HEAT STRIP, IF HEAT STRIP IS NOT USED THE MCA AND MOCP MUST BE REVISED. HEAT STRIPS LARGER THAN THE SIZE SHOWN MAY NOT BE USED.
MINIMUM OUTSIDE AIR SHALL BE NO LESS THAN 15 CFM PER EXPECTED OCCUPANT LOAD.
THE UNIT SHALL UTILIZE DEMAND CONTROL VENTILATION, THE CO2 SENSOR SHALL BE LOCATED SO THAT IT IS NOT EXPECTED TO BE OBSTRUCTED BY FURNITURE OR EQUIPMENT AND SHALL BE INSTALLED NO LESS THAN 36" AFF AND NO MORE THAN 72" AFF.
AIR HANDLERS WITH OTHER VOLTAGES SHALL BE ACCEPTABLE.
AIR HANDLERS OTHER THAN THE MAKE AND MODEL LISTED ABOVE SHALL BE ACCEPTABLE WHEN THE NOMINAL TONNAGE DOES NOT EXCEED 5 TONS AND THE EER AND COP VALUES ARE NO LESS THAN THOSE SHOWN ABOVE.

MECHANICAL - 24x40 STUDENTs LAUNGE

SCALE: 1/4" = 1'-0" 1

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
MECHANICAL PLAN
WALL MOUNT
24' x 40'

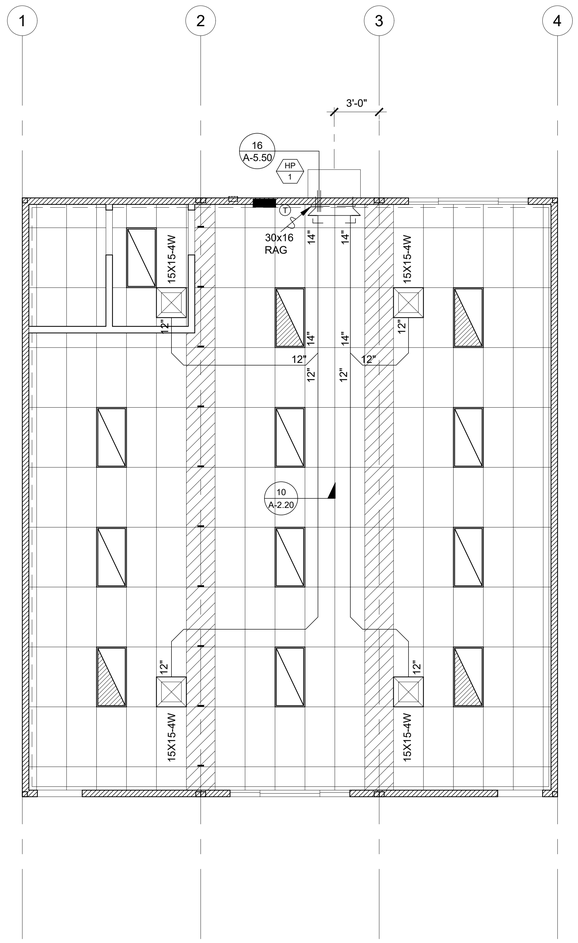
ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE:

SHEET NUMBER
M-1.01.1N



MECHANICAL PLAN - 36x40 LIBRARY

SCALE: 1/4" = 1'-0"

1

9 EER

SINGLE PACKAGE VERTICAL HEAT PUMP SCHEDULE

	STANDARD	OPTION #1	OPTION #2
TAG	HP-1	HP-1	HP-1
NOMINAL TONNAGE	4.0 TONS	3 TONS	3.5 TONS
MANUFACTURER	BARD	BARD	BARD
MODEL#	W48H2-A04	W60H2-A05	W42H2-A04
CFM	1550	1700	1400
STATIC PRESSURE	0.3	0.3	0.3
DRIVE	DIRECT	DIRECT	DIRECT
MCA	58	67	58
MOCP	60	80	60
VOLTAGE	208/230-1	208/230-1	208/230-1
WIRE SIZE (PWR/GRND)	#6/#10	#4/#6	#6/#10
DESIGN RETURN AIR (DB/WB)	80/67	80/67	80/67
SENSIBLE COOLING @ 95° F	35,600	39,600	32,700
TOTAL COOLING @ 95° F	46,000	54,000	42,000
HEATING CAP. BTUH @ 47° F	44,000	54,000	42,000
HEATING CAP. BTUH @ 17° F	26,000	32,000	25,000
OPERATING WEIGHT	550#	580#	550#
EER	9.00	9.00	9.00
COP @ 47° F	3.00	3.00	3.00
COP @ 17° F	2.00	2.00	2.00

NOTES:
PROVIDE SET-BACK THERMOSTAT.
MODEL# SHOWN IS FOR UNIT WITH OPTIONAL AUXILIARY HEAT STRIP, IF HEAT STRIP IS NOT USED THE MCA AND MOCP MUST BE REVISED. HEAT STRIPS LARGER THAN THE SIZE SHOWN MAY NOT BE USED.
MINIMUM OUTSIDE AIR SHALL BE NO LESS THAN 15 CFM PER EXPECTED OCCUPANT LOAD.
THE UNIT SHALL UTILIZE DEMAND CONTROL VENTILATION, THE CO2 SENSOR SHALL BE LOCATED SO THAT IT IS NOT EXPECTED TO BE OBSTRUCTED BY FURNITURE OR EQUIPMENT AND SHALL BE INSTALLED NO LESS THAN 36" AFF AND NO MORE THAN 72" AFF.
AIR HANDLERS WITH OTHER VOLTAGES SHALL BE ACCEPTABLE.
AIR HANDLERS OTHER THAN THE MAKE AND MODEL LISTED ABOVE SHALL BE ACCEPTABLE WHEN THE NOMINAL TONNAGE DOES NOT EXCEED 5 TONS AND THE EER AND COP VALUES ARE NO LESS THAN THOSE SHOWN ABOVE.

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
MECHANICAL PLAN
WALL MOUNT
36' x 40'

ARCHITECT OF RECORD
SUBMISSION DATE

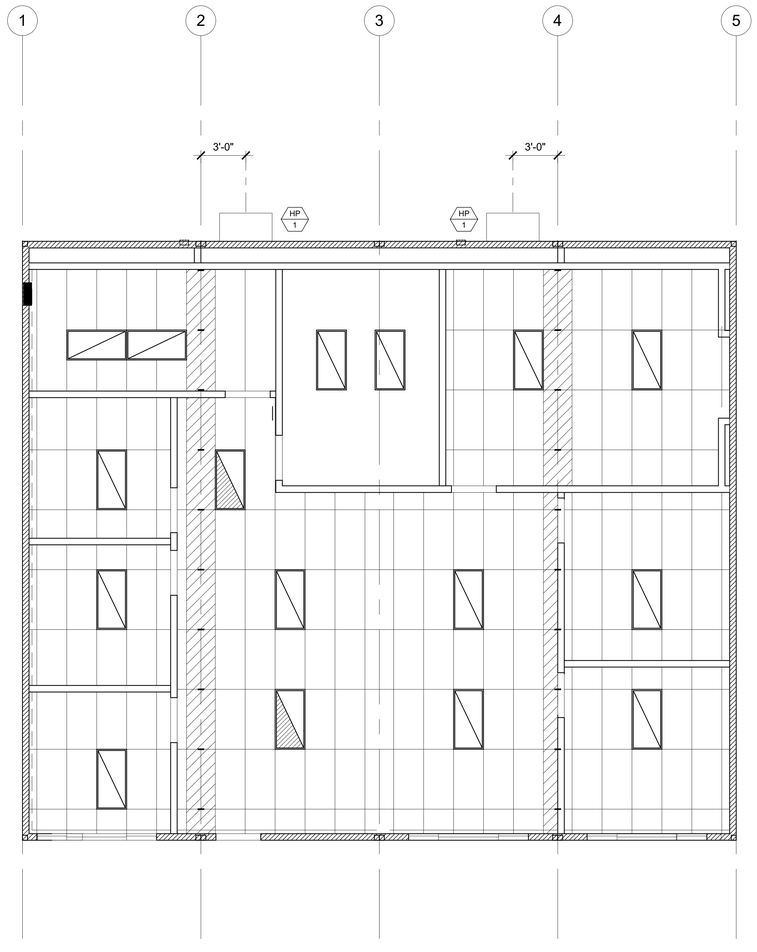
PROJECT SPECIFIC STATE AGENCY APPROVAL

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE:

SHEET NUMBER
M-1.02N



MECHANICAL PLAN - ADMIN

SCALE: 1/4" = 1'-0" 1

9 EER			
SINGLE PACKAGE VERTICAL HEAT PUMP SCHEDULE			
	STANDARD	OPTION #1	OPTION #2
TAG	HP-1	HP-1	HP-1
NOMINAL TONNAGE	4.0 TONS	5 TONS	3.5 TONS
MANUFACTURER	BARD	BARD	BARD
MODEL#	W48H2-A04	W60H2-A05	W42H2-A04
CFM	1550	1700	1400
STATIC PRESSURE	0.3	0.3	0.3
DRIVE	DIRECT	DIRECT	DIRECT
MCA	58	67	51
MOCP	60	80	60
VOLTAGE	208/230-1	208/230-1	208/230-1
WIRE SIZE (PWR/GRND)	#6/#10	#4/#8	#6/#10
DESIGN RETURN AIR (DB/WB)	80/67	80/67	80/67
SENSIBLE COOLING @ 95° F	35,600	39,600	32,700
TOTAL COOLING @ 95° F	46,000	54,000	42,000
HEATING CAP. BTUH @ 47° F	44,000	54,000	42,000
HEATING CAP. BTUH @ 17° F	26,000	32,000	25,000
OPERATING WEIGHT	550#	580#	550#
EER	9.00	9.00	9.00
COP @ 47° F	3.00	3.00	3.00
COP @ 17° F	2.00	2.00	2.00

NOTES:
PROVIDE SET-BACK THERMOSTAT.
MODEL# SHOWN IS FOR UNIT WITH OPTIONAL AUXILIARY HEAT STRIP. IF HEAT STRIP IS NOT USED THE MCA AND MOCP MUST BE REVISED. HEAT STRIPS LARGER THAN THE SIZE SHOWN MAY NOT BE USED.
MINIMUM OUTSIDE AIR SHALL BE NO LESS THAN 15 CFM PER EXPECTED OCCUPANT LOAD.
THE UNIT SHALL UTILIZE DEMAND CONTROL VENTILATION. THE CO2 SENSOR SHALL BE LOCATED SO THAT IT IS NOT EXPECTED TO BE OBSTRUCTED BY FURNITURE OR EQUIPMENT AND SHALL BE INSTALLED NO LESS THAN 36" AFF AND NO MORE THAN 72" AFF.
AIR HANDLERS WITH OTHER VOLTAGES SHALL BE ACCEPTABLE.
AIR HANDLERS OTHER THAN THE MAKE AND MODEL LISTED ABOVE SHALL BE ACCEPTABLE WHEN THE NOMINAL TONNAGE DOES NOT EXCEED 5 TONS AND THE EER AND COP VALUES ARE NO LESS THAN THOSE SHOWN ABOVE.

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
MECHANICAL PLAN
WALL MOUNT

ARCHITECT OF RECORD
SUBMISSION DATE

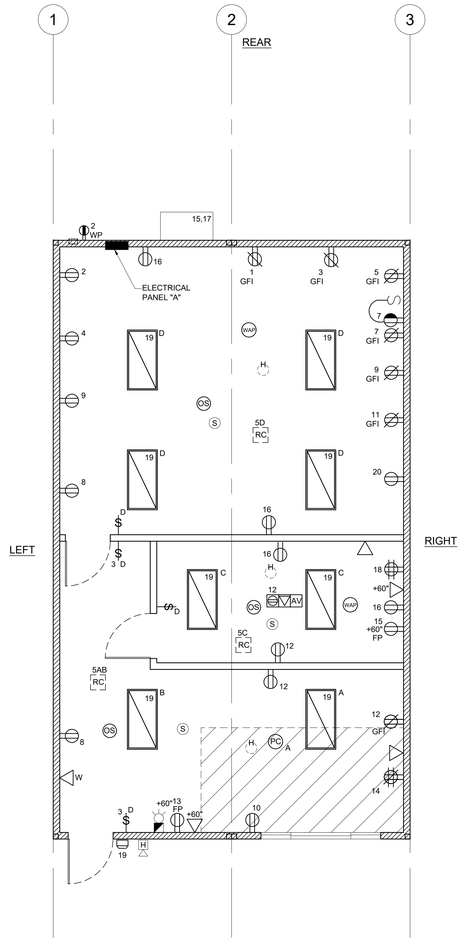
PROJECT SPECIFIC STATE AGENCY APPROVAL

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES

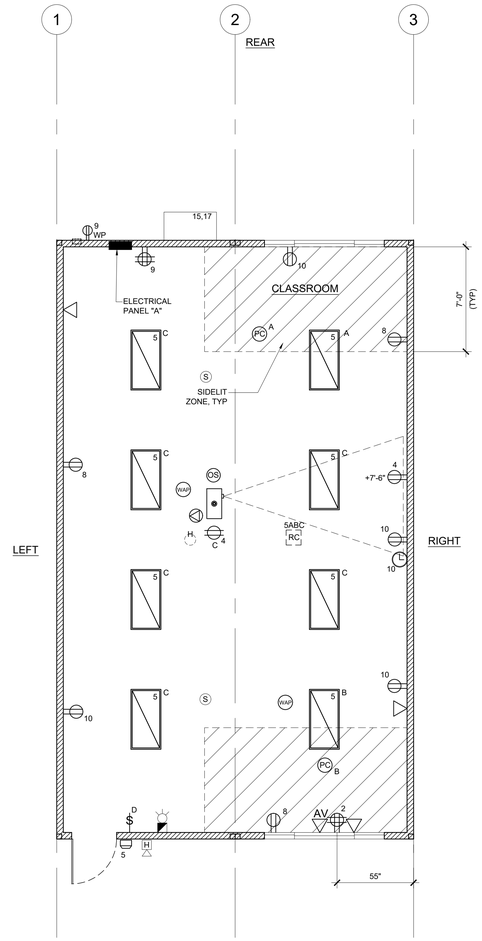
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE:

SHEET NUMBER
M-1.03N



PANEL: A	PHASE:			VOLTS:		BUSS:		MAIN:				LOCATION:			FEED:			MOUNTING:
S/N:	SINGLE			120/208		150 AMP		100				INTERIOR			REAR			RECESSED
OBJECT	WATT	NO.		WATTS			WIRE	CKT	1 1 1		WIRE			WATTS			NO	WATT	OBJECT
DESCRIPTION	PER	OF	LCL	A	B	BRK	POLE	SIZE	NO	A B	NO	SIZE	POLE	BRK	A	B	LCL	OF	PER	DESCRIPTION
DEDICATED RECEPT.	300	1		300		20	1	#12	1		2	#12	1	20	720			4	180	RECEPTS.
DEDICATED RECEPT.	300	1			300	20	1	#12	3		4	#12	1	20		540		3	180	RECEPTS-GFI
DEDICATED RECEPT.	300	1		300		20	1	#12	5		6	#12	1	20	0					
DEDICATED RECEPT.	300	1			300	20	1	#12	7		8	#12	1	20		360		2	180	RECEPTS.
DEDICATED RECEPT.	300	1		300		20	1	#12	9		10	#12	1	20	300			1	300	DEDICATED RECEPT.
DEDICATED RECEPT.	300	1			300	20	1	#12	11		12	#12	1	20		720		4	180	RECEPTS.
DEDICATED RECEPT.	300	1		300		20	1	#12	13		14	#12	1	20	300			1	300	DEDICATED RECEPT.
4 TON A/C	5428	1	x		5428	50	2	#6	15		16	#12	1	20		540		3	180	RECEPTS.
4 TON A/C	5428	/	x	5428		/	/	#6	17		18	#12	1	20	300			1	300	DEDICATED RECEPT.
LIGHTS	136	9	x		1224	20	1	#12	19		20	#12	1	20	0	300		1	300	DEDICATED RECEPT.
				0					21		22				0					
					0				23		24					0				
				0					25		26				0					
					0				27		28					0				
				0					29		30				0					
	LEG TOTALS:			6628	7552										1820	2460	LEG TOTALS			
LCL =3020+18260=21280																				
TOTAL WATTS=21280								LEG BALANCE = 9.7%									TOTAL AMPS: 88.67			

24x40 STAFF LAUNGE — SCALE: 1/4" = 1' - 0" | 2



PANEL: A	PHASE:			VOLTS:		BUSS:		MAIN:				LOCATION:			FEED:			MOUNTING:
S/N:	SINGLE			120/208		100 AMP		100				INTERIOR			REAR			RECESSED
OBJECT	WATT	NO.		WATTS			WIRE	CKT	1 1 1		WIRE			WATTS			NO	WATT	OBJECT
DESCRIPTION	PER	OF	LCL	A	B	BRK	POLE	SIZE	NO	A B	NO	SIZE	POLE	BRK	A	B	LCL	OF	PER	DESCRIPTION
4 TON HP	6048	1	x	6048		60	2	#6	1		2	#12	1	20	500			1	500	QUAD RECEPT
4 TON HP	6048	/	x		6048	/	/	#6	3		4	#12	1	20		360		2	180	RECEPTS.
LIGHTS.	136	9	x	1224		20	1	#12	5		6				0					
					0				7		8	#12	1	20		540		3	180	RECEPTS.
QUAD RECEPT.	500	1		500		20	1	#12	9		10	#12	1	20	900			5	180	RECEPTS/CLOCK
					0				11		12					0				
	LEG TOTALS:			7772	6048										1400	900	LEG TOTALS			
LCL =3330+16120=19450																				
TOTAL WATTS=19450								LEG BALANCE = 13.8%									TOTAL AMPS: 81.04			

24x40 CLASSROOM — SCALE: 1/4" = 1' - 0" | 1

LEGEND:

- DUPLEX POWER RECEPTACLE +18" U.O.N.
- DOUBLE DUPLEX RECEPTACLE +18" U.O.N.
- POWER FLOOR BOX WITH 6'-0" POWER WHIP
- DUPLEX POWER RECEPTACLE MOUNTED IN CEILING TILE
- SINGLE GANG JUNCTION BOX +18" U.O.N. WITH 3/4"C. STUBBED INTO CEILING FOR BOOK DETECTION
- RECEPTACLE MOUNTED 6" ABOVE COUNTER BACKSPALSH
- GFI — GROUND FAULT INTERRUPTER TYPE RECEPTACLE
- FP — DUPLEX RECEPTACLE FOR FLAT PANEL DISPLAY.
- FUME HOOD CONNECTION.
- WP GFI — DUPLEX GFI RECEPTACLE WITH WEATHERPROOF COVER FOR EXTERIOR VENDING MACHINE.
- RECESSED FLOOR RECEPTACLE.
- GARBAGE DISPOSAL OUTLET AND SWITCH

SEE PC SHEET E-1.01 FOR ELECTRICAL LEGEND

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
ELECTRICAL PLAN

ARCHITECT OF RECORD SUBMISSION DATE

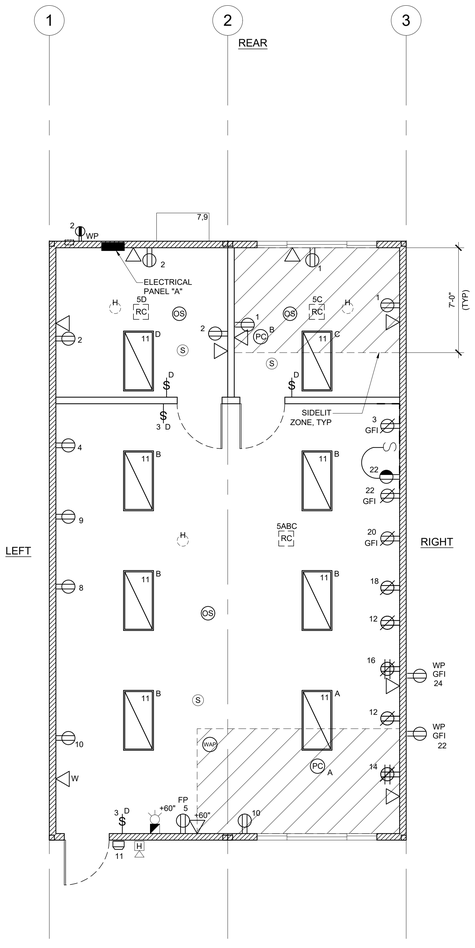
PROJECT SPECIFIC STATE AGENCY APPROVAL

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE:

SHEET NUMBER
E-1.01N



FRONT

PANEL: A	PHASE:	VOLTS:	BUSS:	MAIN:	LOCATION:	FEED:	MOUNTING:
S/N:	SINGLE	120/208	150 AMP	100	INTERIOR	REAR	RECESSED

OBJECT DESCRIPTION	WATT PER	NO. OF	LCL	WATTS A	WATTS B	BRK	POLE	WIRE SIZE	CKT NO.	L	A	B	L	CKT NO.	WIRE SIZE	POLE	BRK	WATTS A	WATTS B	LCL	NO. OF	WATT PER	OBJECT DESCRIPTION
RECEPTS	180	3		540		20	1	#12	1		X			2	#12	1	20	720			4	180	RECEPTS
DEDICATED RECEPT	300	1			300	20	1	#12	3			X		4	#12	1	20		300		1	300	DEDICATED RECEPT
DEDICATED RECEPT	300	1		300		20	1	#12	5		X			6	#12	1	20	0					
4 TON A/C	5428	1	x		5428	60	2	#6	7			X		8	#12	1	20	300		1	300	DEDICATED RECEPT
4 TON A/C	5428	/	x	5428		/	/	#6	9	X				10	#12	1	20		360	2	180	RECEPTS	
LIGHTS	136	9	x		1224	20	1	#12	11		X			12	#12	1	20	360		2	180	RECEPTS	
				0					13	X				14	#12	1	20	300		1	300	DEDICATED RECEPT	
					0				15		X			16	#12	1	20		300	1	300	DEDICATED RECEPT	
				0					17	X				18	#12	1	20	300		1	300	DEDICATED RECEPT	
					0				19		X			20	#12	1	20		300	1	300	DEDICATED RECEPT	
				0					21	X				22	#12	1	20	300		1	300	DEDICATED RECEPT	
					0				23		X			24	#12	1	20		300	1	300	DEDICATED RECEPT	
				0					25	X				26				0					
					0				27		X			28					0				
				0					29	X				30				0					
	LEG TOTALS:			6268	6952													1980	1860	LEG TOTALS:			

LCL=3020+17060=20080
TOTAL WATTS=20080

LEG BALANCE = 3.3%

TOTAL AMPS: 83.67

LEGEND:

- DUPLEX POWER RECEPTACLE +18" U.O.N.
- DOUBLE DUPLEX RECEPTACLE +18" U.O.N.
- POWER FLOOR BOX WITH 6'-0" POWER WHIP
- DUPLEX POWER RECEPTACLE MOUNTED IN CEILING TILE
- SINGLE GANG JUNCTION BOX +18" U.O.N. WITH 3/4"C. STUBBED INTO CEILING FOR BOOK DETECTION
- RECEPTACLE MOUNTED 6" ABOVE COUNTER BACKSPALSH
- GFI GROUND FAULT INTERRUPTER TYPE RECEPTACLE
- FP DUPLEX RECEPTACLE FOR FLAT PANEL DISPLAY.
- FUME HOOD CONNECTION.
- WP GFI DUPLEX GFI RECEPTACLE WITH WEATHERPROOF COVER FOR EXTERIOR VENDING MACHINE.
- RECESSED FLOOR RECEPTACLE.
- GARBAGE DISPOSAL OUTLET AND SWITCH

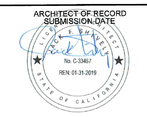
SEE PC SHEET E-1.01 FOR ELECTRICAL LEGEND

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
ELECTRICAL PLAN

ARCHITECT OF RECORD SUBMISSION DATE



PROJECT SPECIFIC STATE AGENCY APPROVAL

REVISIONS
1
2
3
4
5
6
7
8

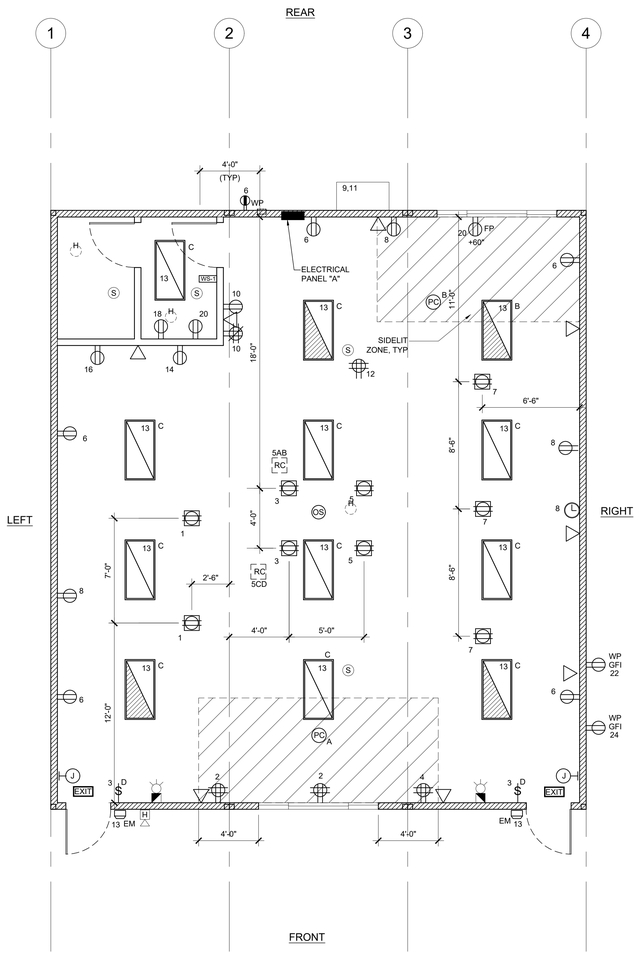
SILVER CREEK INDUSTRIES

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE:

SHEET NUMBER
E-1.01.1N

24x40 STUDENT LOUNGE

SCALE: 1/4" = 1'-0" | 1

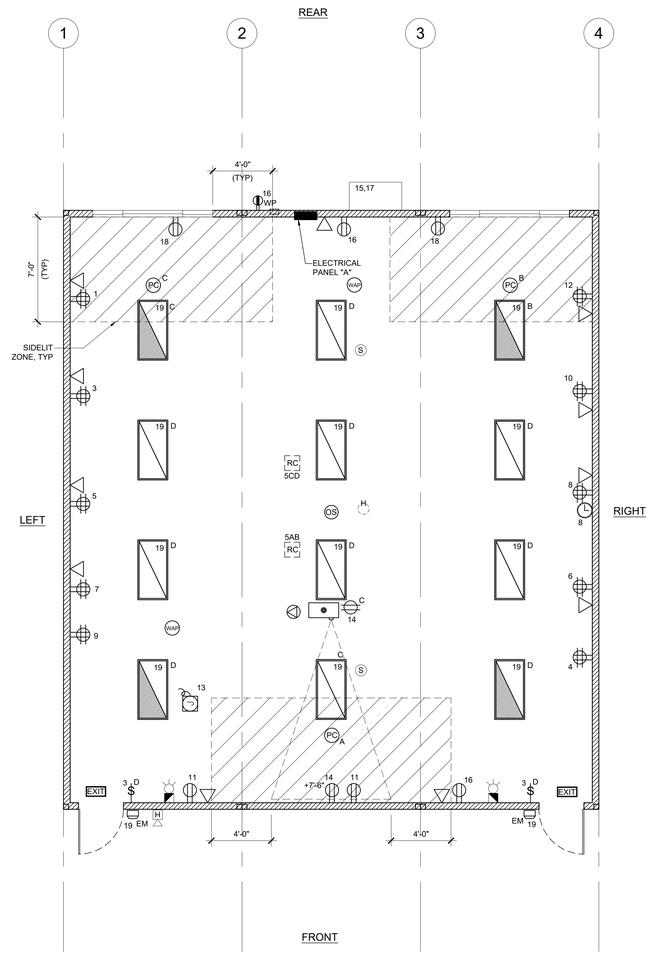


PANEL: A	PHASE:	VOLTS:	BUSS:	MAIN:	LOCATION:	FEED:	MOUNTING:
S/N:	SINGLE	120/208	200 AMP	150	INTERIOR	REAR	RECESSED

OBJECT DESCRIPTION	WATT PER	NO. OF	LCL	WATTS A	WATTS B	BRK	POLE	WIRE SIZE	CKT NO	A	B	CKT NO	WIRE SIZE	POLE	BRK	WATTS A	WATTS B	LCL	NO OF	WATT PER	OBJECT DESCRIPTION
RECEPTS.	180	2		360		20	1	#12	1			2	#12	1	20	600			2	300	QUAD RECEPTS.
RECEPTS.	180	2			360	20	1	#12	3			4	#12	1	20		500		1	500	DEDICATED RECEPT
RECEPTS.	180	2		360		20	1	#12	5			6	#12	1	20	1080			6	180	RECEPTS.
RECEPTS.	180	3			540	20	1	#12	7			8	#12	1	20		540		3	180	RECEPTS.
4 TON A/C	5428	1	x	5428		60	2	#6	9			10	#12	1	20	540			3	180	RECEPTS.
4 TON A/C	5428	/	x		5428	/	/	#6	11			12	#12	1	20		300		1	300	QUAD RECEPT
LIGHTS	136	14	x	1904		20	1	#12	13			14	#12	1	20	300			1	300	DEDICATED RECEPT
					0				15			16	#12	1	20		300		1	300	DEDICATED RECEPT
				0					17			18	#12	1	20	300			1	300	DEDICATED RECEPT
					0				19			20	#12	1	20		600		2	300	RECEPTS.
				0					21			22	#12	1	20	300			1	300	DEDICATED RECEPT
					0				23			24					300		1	300	DEDICATED RECEPT
	LEG TOTALS			8052	6328											3120	2540	LEG TOTALS			

LCL=3190+20040=23230
TOTAL WATTS=23230
LEG BALANCE = 11.5%
TOTAL AMPS: 96.79

ELECTRICAL PLAN - LIBRARY SCALE: 1/4" = 1' - 0" 2



PANEL: A	PHASE:	VOLTS:	BUSS:	MAIN:	LOCATION:	FEED:	MOUNTING:
S/N:	SINGLE	120/208	200 AMP	150	INTERIOR	REAR	RECESSED

OBJECT DESCRIPTION	WATT PER	NO. OF	LCL	WATTS A	WATTS B	BRK	POLE	WIRE SIZE	CKT NO	A	B	CKT NO	WIRE SIZE	POLE	BRK	WATTS A	WATTS B	LCL	NO OF	WATT PER	OBJECT DESCRIPTION
DEDICATED RECEPT	500	1		500		20	1	#12	1			2									
DEDICATED RECEPT	500	1			500	20	1	#12	3			4	#12	1	20		500		1	500	DEDICATED RECEPT
DEDICATED RECEPT	500	1		500		20	1	#12	5			6	#12	1	20	500			1	500	DEDICATED RECEPT
DEDICATED RECEPT	500	1			500	20	1	#12	7			8	#12	1	20		500		1	500	DEDICATED RECEPT
DEDICATED RECEPT	500	1		500					9			10	#12	1	20	500			1	500	DEDICATED RECEPT
RECEPTS.	180	2			360	20	1	#12	11			12	#12	1	20		500		1	500	DEDICATED RECEPT
DEDICATED RECEPT	300	1		300		20	1	#12	13			14	#12	1	20	1000			2	500	RECEPTS.
4 TON A/C	5428	1	x	5428		60	2	#6	15			16	#12	1	20		540		3	180	RECEPTS.
4 TON A/C	5428	/	x		5428	/	/	#6	17			18	#12	1	20	360			2	180	RECEPTS.
LIGHTS	136	14	x		1904	20	1	#12	19			20					0				
				0					21			22				0					
					0				23			24					0				
	LEG TOTALS			7228	8692											2360	2040	LEG TOTALS			

LCL=476+20320=20796
TOTAL WATTS=20796
LEG BALANCE = 5.6%
TOTAL AMPS: 86.65

ELECTRICAL PLAN - LECTURE SCALE: 1/4" = 1' - 0" 1

LEGEND

- DUPLEX POWER RECEPTACLE +18" U.O.N.
- DOUBLE DUPLEX RECEPTACLE +18" U.O.N.
- POWER FLOOR BOX WITH 6'-0" POWER WHIP
- DUPLEX POWER RECEPTACLE MOUNTED IN CEILING TILE
- SINGLE GANG JUNCTION BOX +18" U.O.N. WITH 3/4"C. STUBBED INTO CEILING FOR BOOK DETECTION
- RECEPTACLE MOUNTED 6" ABOVE COUNTER BACKSPALSH
- GROUND FAULT INTERRUPTER TYPE RECEPTACLE
- DUPLEX RECEPTACLE FOR FLAT PANEL DISPLAY.
- FUME HOOD CONNECTION.
- DUPLEX GFI RECEPTACLE WITH WEATHERPROOF COVER FOR EXTERIOR VENDING MACHINE.
- RECESSED FLOOR RECEPTACLE.
- GARBAGE DISPOSAL OUTLET AND SWITCH

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
ELECTRICAL PLAN
AND SCHEDULE
36' x 40'

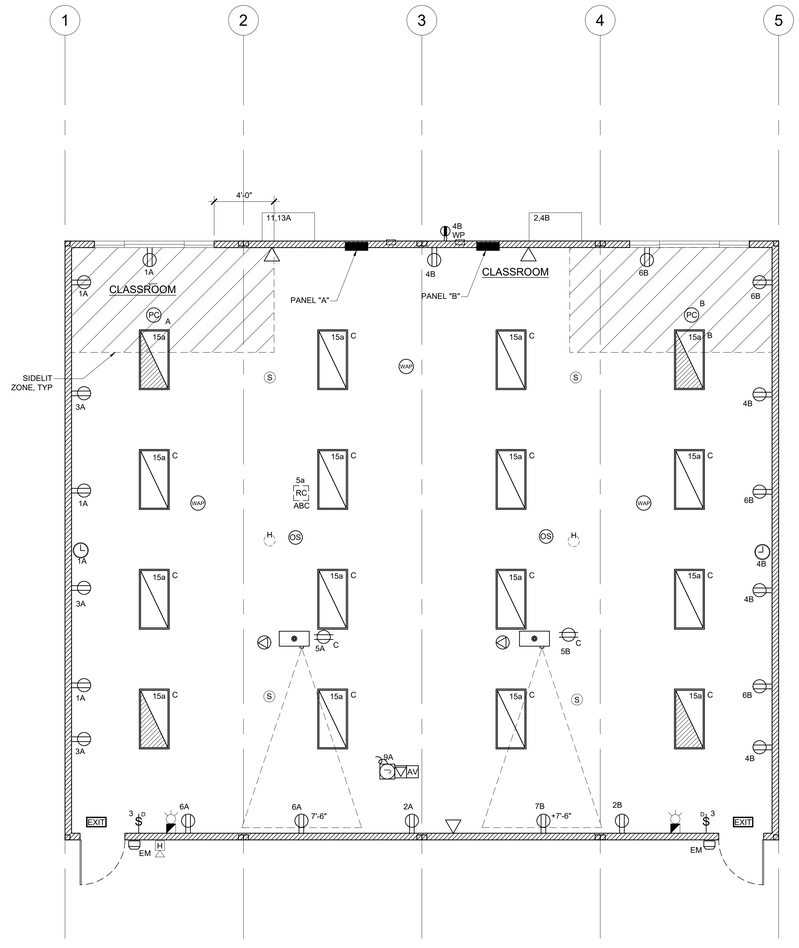
ARCHITECT OF RECORD
SUBMISSION DATE
No. C-33467
REN. 01-31-2019

PROJECT SPECIFIC STATE AGENCY APPROVAL

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE:

SHEET NUMBER
E-1.02N



OBJECT DESCRIPTION	WATT PER	NO OF	LCL	WATTS A	WATTS B	BRK	POLE	WIRE SIZE	CKT NO	A	B	CKT NO	WIRE SIZE	POLE	BRK	WATTS A	WATTS B	LCL	NO OF	WATT PER	OBJECT DESCRIPTION
RECEPTS.	180	5		900		20	1	#12	1	X		2	#12	1	20	300			1	300	DEDICATED RECEPT.
RECEPTS.	180	3			540	20	1	#12	3	X		4					0				
DEDICATED RECEPT.	300	1		300		20	1	#12	5	X		6	#12	1	20	360			2	180	RECEPTS.
EXT LIGHTS	100	2			200	20	1	#12	7	X		8					0				
DEDICATED RECEPT	300	1		300		20	1	#12	9	X		10				0					
4 TON A/C	5428	1	x		5428	60	2	#6	11	X		12					0				
4 TON A/C	5428	/	x	5428		/	/	#6	13	X		14				0					
INTERIOR LIGHTS	136	16	x		2176	20	1	#12	15	X		16					0				
				0					17	X		18				0					
					0				19	X		20					0				
				0					21	X		22				0					
					0				23	X		24					0				
LEG TOTALS				6828	8344											660	0	LEG TOTALS			

LCL=3258+15932=19190
TOTAL WATTS=19190
LEG BALANCE = 4.7%
TOTAL AMPS: 79.96

PANEL: B	PHASE:	VOLTS:	BUSS:	MAIN:	LOCATION:	FEED:	MOUNTING:
SUN	SINGLE	120/208	150AMP	100	INTERIOR	REAR	RECESSED

OBJECT DESCRIPTION	WATT PER	NO OF	LCL	WATTS A	WATTS B	BRK	POLE	WIRE SIZE	CKT NO	A	B	CKT NO	WIRE SIZE	POLE	BRK	WATTS A	WATTS B	LCL	NO OF	WATT PER	OBJECT DESCRIPTION
4 TON A/C	5428	1	x	5428		60	2	#6	1	X		2	#12	1	20	300			1	300	DEDICATED RECEPT.
4 TON A/C	5428	/	x		5428	/	/	#6	3			4					720		4	180	RECEPTS.
DEDICATED RECEPT	300	1		300		20	1	#12	5	X		6	#12	1	20	720			4	180	RECEPTS.
DEDICATED RECEPT	300	1			300	20	1	#12	7	X		8					0				
DEDICATED RECEPT	300	1		300		20	1	#12	9	X		10				0					
					0				11			12					0				
				0					13	X		14				0					
					0				15			16					0				
				0					17	X		18				0					
					0				19			20					0				
				0					21	X		22				0					
					0				23	X		24					0				
LEG TOTALS				828	528											1020	720	LEG TOTALS			

LCL=2714+13496=16210
TOTAL WATTS=16210
LEG BALANCE = 4.4%
TOTAL AMPS: 67.54

ELECTRICAL PLAN - 48x40 LECTURE

SCALE: 1/4" = 1'-0"

1

LEGEND

SEE PC SHEET E-1.03 FOR ELECTRICAL LEGEND

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
ELECTRICAL PLAN

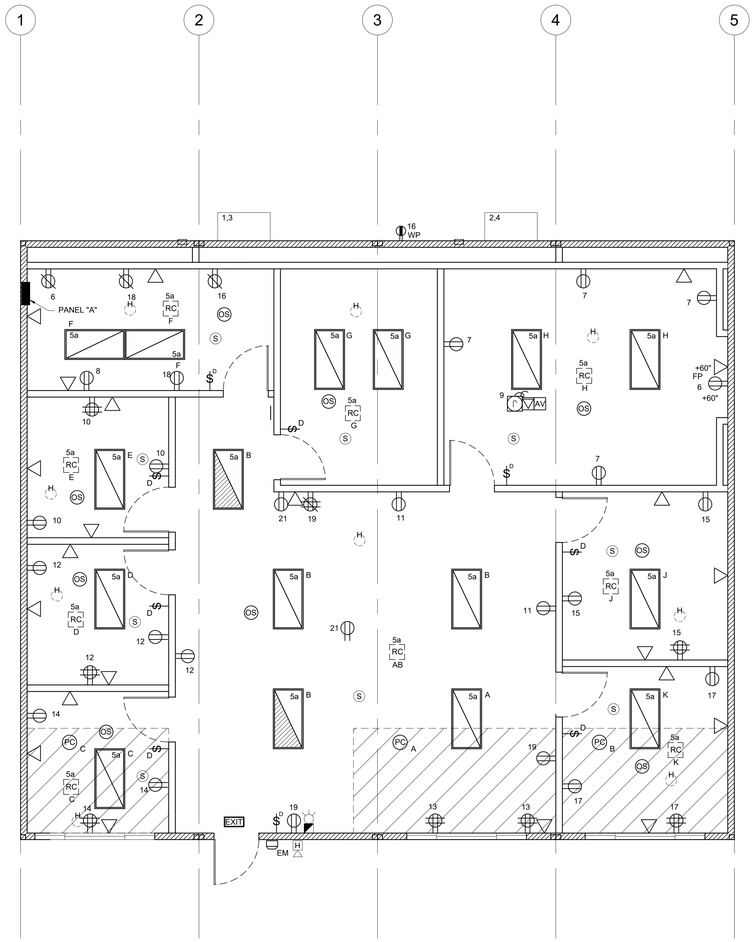
ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE:

SHEET NUMBER
E-1.03N



PANEL: A	PHASE:			VOLTS:		BUSS:			MAIN:				LOCATION:		FEED:			MOUNTING:	
S/N:	SINGLE			120/208		200 AMP			200				INTERIOR		REAR			RECESSED	
OBJECT	WATT	NO.		WATTS				WIRE	CKT		CKT	WIRE			WATTS			NO	WATT	OBJECT
DESCRIPTION	PER	OF	LCL	A	B	BRK	POLE	SIZE	NO	A B	NO	SIZE	POLE	BRK	A	B	LCL	OF	PER	DESCRIPTION
4TON A/C	5428	1	x	5428		60	2	#6	1	X	2	#6	2	60	5428		x	1	5428	4TON A/C
4TON A/C	5428	1	x		5428			#6	3	X	4	#6				5428	x	1	5428	4TON A/C
LIGHTS	136	16	x	2176		20	1	#12	5	X	6	#12	1	20	540			3	180	RECEPT
RECEPTS	180	4			720	20	1	#12	7	X	8	#12	1	20		500		1	500	DEDICATED RECEPT
DEDICATED RECEPT	500	1		500		20	1	#12	9	X	10	#12	1	20	500			1	500	DEDICATED RECEPT
RECEPTS	180	2			360	20	1	#12	11	X	12	#12	1	20		500		1	500	DEDICATED RECEPT
RECEPTS	180	4		720		20	1	#12	13	X	14	#12	1	20	500			1	500	DEDICATED RECEPT
RECEPTS	180	4			720	20	1	#12	15	X	16	#12	1	20		360		2	180	RECEPT
RECEPTS	180	4		720		20	1	#12	17	X	18	#12	1	20	360			2	180	RECEPT
RECEPTS	180	4			720	20	1	#12	19	X	20					0				
				0					21	X	22				0					
					0				23	X	24					0				
				0					25	X	26				0					
					0				27	X	28					0				
				0					29	X	30				0					
	LEG TOTALS			9544	7948										7328	6788	LEG TOTALS			
LCL=5972+31608=37580																				
TOTAL WATTS=37580									LEG BALANCE = 6.8%								TOTAL AMPS: 156.58			

LEGEND

- DUPLEX POWER RECEPTACLE +18" U.O.N.
- DOUBLE DUPLEX RECEPTACLE +18" U.O.N.
- POWER FLOOR BOX WITH 6'-0" POWER WHIP
- DUPLEX POWER RECEPTACLE MOUNTED IN CEILING TILE
- SINGLE GANG JUNCTION BOX +18" U.O.N. WITH 3/4"C. STUBBED INTO CEILING FOR BOOK DETECTION
- RECEPTACLE MOUNTED 6" ABOVE COUNTER BACKSPALSH
- GFI GROUND FAULT INTERRUPTER TYPE RECEPTACLE
- FP DUPLEX RECEPTACLE FOR FLAT PANEL DISPLAY.
- FUME HOOD CONNECTION.
- WP GFI DUPLEX GFI RECEPTACLE WITH WEATHERPROOF COVER FOR EXTERIOR VENDING MACHINE.
- RECESSED FLOOR RECEPTACLE.
- GARBAGE DISPOSAL OUTLET AND SWITCH

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
ELECTRICAL PLAN

ARCHITECT OF RECORD
SUBMISSION DATE
No. C-33467
REN. 01-31-2019
STATE OF CALIFORNIA

PROJECT SPECIFIC STATE AGENCY APPROVAL

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE:

SHEET NUMBER
E-1.03.1N

ELECTRICAL PLAN - 48x40 ADMIN

SCALE: 1/4" = 1' - 0"

MODULAR CLASSROOM BUILDINGS

BUILDING SIZE: 24' X 40'

EXPANDABLE TO 120' X 40'

PC 04-114027 HIGH SEISMIC

BY

SILVER CREEK INDUSTRIES, INC.

2830 BARRETT AVE, PERRIS, CALIFORNIA 92571
PHONE : (951) 943-5393 FAX : (951) 943-2211

PALOMAR COLLEGE EDUCATION
CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

GENERAL NOTES

1. FIRE ALARM IS NOT PART OF THIS APPROVAL
2. ALLOWABLE AREA IS BASED ON 10' SET BACK FROM IMAGINARY ASSUMED LINE PER 2013 CBC 705.3
3. THIS PC IS DESIGNED STRUCTURALLY TO SUPPORT THE WEIGHT OF A FIRE SPRINKLER SYSTEM.
4. PC IS DESIGNED AS A SINGLE STORY MODULAR BUILDING
5. FOR SOILS TYPES / DESIGN BEARING STRENGTH, SEE STRUCTURAL SPECIFICATIONS
6. ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
7. THIS PC IS NOT APPROVED FOR "A" OCCUPANCY USES
8. EXTERIOR WALL OPENINGS TO COMPLY W/ 705.8, 2013 CBC.
9. EXTERIOR PROJECTIONS ARE TO BE FIRE PROTECTED WHERE REQUIRED BY SECTIONS 705.2 & 1406.
10. SEE SHEETS A-0.6, A-0.7 FOR REQUIRED BUILDING ENVELOPE ASSEMBLIES AND HVAC SYSTEM.
11. PURSUANT TO D.S.A. APPROVAL ALL PRODUCTS CAN BE SUBSTITUTED BY AN "EQUAL"
12. BUILDING(S) TO BE LOCATED IN ANY FIRE HAZARD SEVERITY ZONE OR ANY WILDLAND - URBAN INTERFACE FIRE AREA SHALL COMPLY WITH CBC CHAPTER 7A.
13. WHEN THE PRE-CHECKED BUILDING IS SITE ADAPTED, THE BUILDING AND SITE FEATURES NEED TO COMPLY WITH CALGREEN CODE, SECTION 5.507.4 FOR THE SITE SPECIFIC LOCATION
14. IN THE EVENT THAT A PC CLASSROOM IS DESIGNED TO CONNECT TO THE SAME PC CLASSROOM, INTERIOR SOUND TRANSMISSION IN THE INTERIOR ADJOINING WALL AND FLOOR-CEILING SHALL MEET THE MINIMUM REQUIREMENTS OF THE STC RATING OF 40 PER CALGREEN CODE. SECTION 5.507.4.3.

APPLICABLE STANDARDS

NFPA 13	AUTOMATIC SPRINKLER SYSTEMS	2013 EDITION
NFPA 72	NAT. FIRE ALARM CODE (CALIF. AMENDED) (NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES")	2013 EDITION

APPLICABLE CODES (AS OF JANUARY 1, 2014)

LIST OF 2013 CALIFORNIA CODE OF REGULATIONS

2013 BUILDING ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 C.C.R.
2013 CALIFORNIA BUILDING CODE (CBC), PART 2 TITLE 24 C.C.R.
(2012 INTERNATIONAL BUILDING CODE VOLUMES 1-2 AND 2013 CALIFORNIA AMENDMENTS)
2013 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
(2011 NATIONAL ELECTRICAL CODE AND 2013 CALIFORNIA AMENDMENTS)
2013 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
(2012 UNIFORM MECHANICAL CODE AND 2013 CALIFORNIA AMENDMENTS)
2013 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
(2012 UNIFORM PLUMBING CODE AND 2013 CALIFORNIA AMENDMENTS)
2013 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.
2013 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
(2012 INTERNATIONAL FIRE CODE AND 2013 CALIFORNIA AMENDMENTS)
2013 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 C.C.R.
2013 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
2007 ASME A17.1 (w/A17.1a/CSA B44a-08 ADDENDA) SAFETY CODE FOR ELEVATORS AND ESCALATORS

BUILDING DATA

NUMBER OF STORIES:	1 - STORY
OCCUPANCY:	E 24' - 120' x 40' BUILDINGS
TYPE OF CONSTRUCTION:	VB
FLOOR LIVE LOAD:	☐ 50 PSF ☒ 50+15 PSF PARTITION LOAD ☐ 100 PSF ☒ 150 PSF
ROOF LIVE LOAD:	20 PSF ROOF SNOW LOAD: 0 PSF
FLOOR DEAD LOAD:	☒ WOOD FLOOR - 11 PSF ☐ CONC FLOOR - 33 PSF
ROOF DEAD LOAD:	17 PSF (INCLUDING SPRINKLER LOAD)
RAMP LIVE LOAD:	100 PSF
BUILDING AREA: (AREA WITHOUT OVERHANGS / AREA WITH OVERHANGS)	☒ 24'x40' BLDG - 960 SF/1140 SF ☒ 36'x40' BLDG - 1440 SF/1710 SF ☒ 48'x40' BLDG - 1920 SF/2280 SF ☐ 60'x40' BLDG - 2400 SF/2850 SF ☐ 72'x40' BLDG - 2880 SF/3420 SF ☐ 84'x40' BLDG - 3360 SF/3990 SF ☐ 96'x40' BLDG - 3840 SF/4560 SF ☐ 108'x40' BLDG - 4320 SF/5130 SF ☐ 120'x40' BLDG - 4800 SF/5700 SF
ALLOWABLE BLDG. AREA = 9,500 SF	
FOUNDATION:	☒ WOOD ☐ CONCRETE
CEC CLIMATE ZONES:	1- 16
SNOW LOAD:	Pg = 0.0 PSF

WIND DESIGN DATA SECTION 1603.A.1.4

1. ULTIMATE DESIGN WIND SPEED, 3 SEC GUST (MPH) V_{ULT}			129 / Kzt = 1.0
2. RISK CATEGORY:			II
3. WIND EXPOSURE :			"C"
4. APPLICABLE INTERNAL PRESSURE COEFFICIENT :			± 0.18
5. COMPONENTS AND CLADDING :			
ZONE 1 =	38.5	ZONE 4 =	38.1
ZONE 2 =	64.5	ZONE 5 =	46.9
ZONE 3 =	97.1	PARAPET =	131.7

EARTHQUAKE DESIGN DATA SECTION 1603.A.1.5

1. SEISMIC IMPORTANCE FACTOR :			1
2. MAPPED SPECTRAL RESPONSE :			
DESIGN S_S = 2.24 (FOR Cs)		S_1 = 1.0	
MAPPED S_S = 2.80 (FOR ARCHITECTURAL COMPONENTS)			
3. SITE CLASS			D
4. SPECTRAL RESPONSE COEFFICIENTS :			
S_{DS} = 1.49 (=1.87ARCH'L)		S_{D1} = 1.00	

5. SEISMIC DESIGN CATEGORY :				E
6. BASIC SEISMIC-FORCE-RESISTING-SYSTEM :				OMF
7. DESIGN BASE SHEAR (kips) : PER MODULAR (12x40)				
CONC FLOOR	PLY FLOOR	LL<100	LL=150	
X		X		20.17
	X	X		15.66
X			X	27.85
	X		X	19.55
8. SEISMIC RESPONSE COEFFICIENT, Cs :				0.427
9. RESPONSE MODIFICATION FACTOR, R :				3.5
10. ANALYSIS PROCEDURE USED :				EQUIVALENT LATERAL FORCE
11. MINIMUM SEISMIC SEPARATION FROM OTHER EXISTING OR FUTURE BUILDINGS				6" SEP.

THIS PC DOES NOT COVER ANY SITE SPECIFIC FLOOD DESIGN. ANY SITE SPECIFIC CONDITION OF FLOODING SHOULD BE BE ADDRESSED WITH ADDITIONAL CALCULATIONS.

SHEET INDEX

SHT NO.	ARCHITECTURAL
A-0	COVER SHEET
A-0A ~~A-0~~	T & I FORMS
A-0.0	BUILDING OPTIONS SCHEDULE
A-0.1	SYMBOLS LEGEND, ABBREVIATION, AND ADA SIGNAGE
A-0.2	SCHEDULES
A-0.3	TYPICAL KEY PLANS - 24' TO 120' x 40'
A-0.5A	ENERGY CALC'S - PRF FORMS - ZONE 14 WORST CASE
A-0.5B	ENERGY CALC'S - PRF FORMS - ZONE 15 WORST CASE
A-0.5C	ENERGY CALC'S - PRF FORMS - ZONE 16 WORST CASE
A-0.6A	ENERGY CALC'S - ELC FORMS - 24' x 40' BUILDINGS
A-0.6B	ENERGY CALC'S - LTO / MCH FORMS - 24' x 40' BUILDINGS
A-0.6C	ENERGY CALC'S - LTI FORMS - 24' x 40' BUILDINGS
A-0.6D	ENERGY CALC'S - ELC FORMS - 120' x 40' BUILDINGS
A-0.6E	ENERGY CALC'S - LTO / MCH FORMS - 120' x 40' BUILDINGS
A-0.6F	ENERGY CALC'S - LTI FORMS - 120' x 40' BUILDINGS
A-0.7	DESIGN ENERGY VALUES BY ZONE & CALGREEN SPECIFICATIONS
A-1.01	FLOOR PLAN - 24' x 40'
A-1.02	FLOOR PLAN - 36' x 40'
A-1.03	FLOOR PLAN - 48' TO 120' x 40'
~~A-1.04~~	~~OPTIONAL 12'x 40 TOILET MODULE PLANS & ELEVATIONS~~
~~A-1.05~~	~~OPTIONAL 12'x 40 TOILET MODULE PLUMBING PLAN & ISOMETRICS~~
~~A-1.06~~	~~OPTIONAL 24'x 40 TOILET BUILDING PLANS & ELEVATIONS~~
~~A-1.07~~	~~OPTIONAL 24'x 40 TOILET BUILDING PLUMBING PLAN & ISOMETRICS~~
A-2.01	REFLECTED CEILING PLAN - 24' x 40'
A-2.02	REFLECTED CEILING PLAN - 36' x 40'
A-2.03	REFLECTED CEILING PLAN - 48' TO 120' x 40'
A-2.20	CEILING DETAILS - T-GRID
~~A-2.21~~	~~CEILING DETAILS - HARD LID~~
A-3.01	ROOF PLAN - 0.018" METAL DECK - MONO OR DUAL SLOPE - 24' x 40'
A-3.02	ROOF PLAN - 0.018" METAL DECK - MONO OR DUAL SLOPE - 36' x 40'
A-3.03	ROOF PLAN - 0.018" METAL DECK - MONO SLOPE - 48' TO 120' x 40'
~~A-3.04~~	~~ROOF PLAN - 0.018" METAL DECK - DUAL SLOPE - 48' TO 120' x 40'~~
~~A-3.11~~	~~ROOF PLAN - 0.036" METAL DECK - MONO OR DUAL SLOPE - 24' x 40'~~
~~A-3.12~~	~~ROOF PLAN - 0.036" METAL DECK - MONO OR DUAL SLOPE - 36' x 40'~~
~~A-3.13~~	~~ROOF PLAN - 0.036" METAL DECK - MONO SLOPE - 48' TO 120' x 40'~~
~~A-3.14~~	~~ROOF PLAN - 0.036" METAL DECK - DUAL SLOPE - 48' TO 120' x 40'~~
~~A-3.21~~	~~ROOF PLAN - BUILT-UP ROOF - MONO OR DUAL SLOPE - 24' x 40'~~
~~A-3.22~~	~~ROOF PLAN - BUILT-UP ROOF - MONO OR DUAL SLOPE - 36' x 40'~~
~~A-3.23~~	~~ROOF PLAN - BUILT-UP ROOF - MONO SLOPE - 48' TO 120' x 40'~~
~~A-3.24~~	~~ROOF PLAN - BUILT-UP ROOF - DUAL SLOPE - 48' TO 120' x 40'~~
~~A-3.31~~	~~ROOF PLAN - PARAPET - MONO OR DUAL SLOPE - 24' x 40'~~
~~A-3.32~~	~~ROOF PLAN - PARAPET - MONO OR DUAL SLOPE - 36' x 40'~~
~~A-3.33~~	~~ROOF PLAN - PARAPET - MONO SLOPE - 48' TO 120' x 40'~~
~~A-3.34~~	~~ROOF PLAN - PARAPET - DUAL SLOPE - 48' TO 120' x 40'~~
~~A-3.41~~	~~ROOF PLAN - TPO - MONO OR DUAL SLOPE - 24' x 40'~~
~~A-3.42~~	~~ROOF PLAN - TPO - MONO OR DUAL SLOPE - 36' x 40'~~
~~A-3.43~~	~~ROOF PLAN - TPO - MONO SLOPE - 48' TO 120' x 40'~~
~~A-3.44~~	~~ROOF PLAN - TPO - DUAL SLOPE - 48' TO 120' x 40'~~
A-3.50	ROOF DETAILS - 0.018" STANDING SEAM ROOF DECK
~~A-3.60~~	~~ROOF DETAILS - 0.036" STANDING SEAM ROOF DECK~~
~~A-3.61~~	~~ROOF DETAILS - 0.036" STANDING SEAM ROOF DECK~~
~~A-3.70~~	~~ROOF DETAILS - BUILT-UP ROOF~~
~~A-3.80~~	~~ROOF DETAILS - PARAPET~~
~~A-3.90~~	~~ROOF DETAILS - TPO ROOF~~
A-4.01	EXTERIOR ELEVATIONS - MONO OR DUAL SLOPE - 24' x 40'
A-4.02	EXTERIOR ELEVATIONS - MONO SLOPE - 36' x 40'
~~A-4.03~~	~~EXTERIOR ELEVATIONS - DUAL SLOPE - 36' x 40'~~
A-4.04	EXTERIOR ELEVATIONS - MONO SLOPE - 48' TO 120' x 40'
~~A-4.05~~	~~EXTERIOR ELEVATIONS - DUAL SLOPE - 48' TO 120' x 40'~~
~~A-4.21~~	~~EXTERIOR ELEVATIONS - MONO OR DUAL SLOPE - 24' x 40' (PARAPET)~~
~~A-4.22~~	~~EXTERIOR ELEVATIONS - MONO OR DUAL SLOPE - 36' x 40' (PARAPET)~~
~~A-4.23~~	~~EXTERIOR ELEVATIONS - MONO OR DUAL SLOPE - 48' TO 120' x 40' (PARAPET)~~
A-5.01	CROSS SECTION - MONO SLOPE - 0.018", B.U., OR TPO ROOF DECK OR PARAPET
~~A-5.02~~	~~CROSS SECTION - DUAL SLOPE - 0.018", B.U., OR TPO ROOF DECK OR PARAPET~~
~~A-5.03~~	~~CROSS SECTION - MONO SLOPE - 0.036" ROOF DECK~~
~~A-5.04~~	~~CROSS SECTION - DUAL SLOPE - 0.036" ROOF DECK~~
A-5.05	CROSS SECTION
A-5.50	ARCHITECTURAL DETAILS - WOOD STUD - WOOD SIDING
~~A-5.51~~	~~ARCHITECTURAL DETAILS - WOOD STUD - PLASTER~~
~~A-5.52~~	~~ARCHITECTURAL DETAILS - WOOD STUD - WOOD SIDING - 1 HOUR RATED~~
~~A-5.53~~	~~ARCHITECTURAL DETAILS - WOOD STUD - PLASTER - 1 HOUR RATED~~
~~A-5.60~~	~~ARCHITECTURAL DETAILS - STEEL STUD - WOOD SIDING~~
~~A-5.61~~	~~ARCHITECTURAL DETAILS - STEEL STUD - PLASTER~~
~~A-5.62~~	~~ARCHITECTURAL DETAILS - STEEL STUD - WOOD SIDING - 1 HOUR RATED~~
~~A-5.63~~	~~ARCHITECTURAL DETAILS - STEEL STUD - PLASTER - 1 HOUR RATED~~
~~A-5.64~~	~~ARCHITECTURAL DETAILS - 1 HOUR RATED OPTIONS~~
A-5.70	ARCHITECTURAL DETAILS - FLOOR
A-5.80	ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS
A-5.81	ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS
A-6.01	INTERIOR ELEVATIONS - 24' x 40'
A-6.02	INTERIOR ELEVATIONS - 36' x 40'
A-6.03	INTERIOR ELEVATIONS - 48' TO 120' x 40'

SHT NO.	FOUNDATION -- SEISMIC Ss UP TO 2.80g --
~~F-0.01~~	~~WOOD FOUNDATION PLAN - 24' x 40' (50 PSF)~~
F-0.02	WOOD FOUNDATION PLAN - 24' x 40' (50+15 PSF)
~~F-0.03~~	~~WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)~~
~~F-0.11~~	~~WOOD FOUNDATION PLAN - 36' x 40' (50 PSF)~~
~~F-0.11~~	~~WOOD FOUNDATION PLAN - 36' x 40' (50 PSF)~~
F-0.12	WOOD FOUNDATION PLAN - 36' x 40' (50+15 PSF)
~~F-0.13~~	~~WOOD FOUNDATION PLAN - 36' x 40' (100 PSF)~~
F-0.14	WOOD FOUNDATION PLAN - 36' x 40' (150 PSF)
~~F-0.21~~	~~WOOD FOUNDATION PLAN - 48' x 40' (50 PSF)~~
F-0.22	WOOD FOUNDATION PLAN - 48' x 40' (50+15 PSF)
~~F-0.23~~	~~WOOD FOUNDATION PLAN - 48' x 40' (100 PSF)~~
~~F-0.24~~	~~WOOD FOUNDATION PLAN - 48' x 40' (150 PSF)~~
F-0.50	FOUNDATION DETAILS - WOOD
~~F-1.01~~	~~CONCRETE FOUNDATION PLAN - ABOVE GRADE - WOOD FLOOR~~
~~F-1.11~~	~~CONCRETE FOUNDATION PLAN - ABOVE GRADE - CONCRETE FLOOR~~
~~F-1.50~~	~~CONCRETE FOUNDATION DETAILS - ABOVE GRADE~~
~~F-2.01~~	~~CONCRETE FOUNDATION PLAN - BELOW GRADE - WOOD FLOOR~~
~~F-2.11~~	~~CONCRETE FOUNDATION PLAN - BELOW GRADE - CONCRETE FLOOR~~
~~F-2.50~~	~~CONCRETE FOUNDATION DETAILS - BELOW GRADE~~
~~F-2.51~~	~~FOUNDATION DETAILS - CONCRETE~~

SHT NO.	STRUCTURAL "HIGH SEISMIC" -- SEISMIC Ss UP TO 2.80g --
S-0.1	STRUCTURAL SPECIFICATIONS
S-1.01	FLOOR FRAMING PLAN - WOOD FLOOR
~~S-1.11~~	~~FLOOR FRAMING PLAN - CONCRETE FLOOR~~
S-1.50	FLOOR FRAMING DETAILS - WOOD FLOOR
~~S-1.60~~	~~FLOOR FRAMING DETAILS - CONCRETE FLOOR~~
S-2.01	ROOF FRAMING PLAN - 0.018", BUILT UP, OR TPO ROOF - MONO SLOPE
~~S-2.02~~	~~ROOF FRAMING PLAN - 0.036" - MONO SLOPE~~
~~S-2.03~~	~~ROOF FRAMING PLAN - PARAPET - MONO SLOPE~~
~~S-2.11~~	~~ROOF FRAMING PLAN - 0.018", BUILT UP, OR TPO ROOF - DUAL SLOPE~~
~~S-2.12~~	~~ROOF FRAMING PLAN - 0.036" - DUAL SLOPE~~
~~S-2.13~~	~~ROOF FRAMING PLAN - PARAPET - DUAL SLOPE~~
S-2.50	ROOF FRAMING DETAILS - MONO SLOPE
~~S-2.51~~	~~ROOF FRAMING DETAILS - DUAL SLOPE~~
S-2.60	ROOF FRAMING DETAILS
~~S-2.70~~	~~ROOF FRAMING DETAILS - PARAPET~~
S-2.90	ROOF FRAMING DETAILS - TRUSS
S-3.01	BUILDING SECTION - MONO SLOPE ROOF
~~S-3.02~~	~~BUILDING SECTION - DUAL SLOPE ROOF~~
~~S-3.03~~	~~BUILDING SECTION - 0.036" MONO SLOPE ROOF~~
~~S-3.04~~	~~BUILDING SECTION - 0.036" DUAL SLOPE ROOF~~
S-5.00	WALL FRAMING ELEVATIONS - WOOD STUDS
S-5.10	WALL FRAMING DETAILS - WOOD STUDS
S-5.11	WALL FRAMING DETAILS - WOOD STUDS
~~S-5.20~~	~~WALL FRAMING ELEVATIONS - STEEL STUDS~~
~~S-5.30~~	~~WALL FRAMING DETAILS - STEEL STUDS~~
~~S-5.31~~	~~WALL FRAMING DETAILS - STEEL STUDS~~

SHT NO.	PLUMBING
P-1.01	PLUMBING DETAILS AND SCHEDULE

SHT NO.	MECHANICAL
M-0.1	MECHANICAL NOTES, SCHEDULES, AND DETAILS
M-1.01	MECHANICAL PLAN - WALL MOUNT - 24' x 40'
M-1.02	MECHANICAL PLAN - WALL MOUNT - 36' x 40'
M-1.03	MECHANICAL PLAN - WALL MOUNT - 48' TO 120' x 40'
~~M-2.01~~	~~MECHANICAL PLAN - ROOF MOUNT - 24' x 40'~~
~~M-2.02~~	~~MECHANICAL ROOF PLAN - ROOF MOUNT - 24' x 40'~~
~~M-3.01~~	~~MECHANICAL PLAN - ROOF MOUNT - 36' x 40'~~
~~M-3.02~~	~~MECHANICAL ROOF PLAN - ROOF MOUNT - 36' x 40'~~
~~M-4.01~~	~~MECHANICAL PLAN - ROOF MOUNT - 48' TO 120' x 40'~~
~~M-4.02~~	~~MECHANICAL ROOF PLAN - ROOF MOUNT - 48' TO 120' x 40'~~

SHT NO.	ELECTRICAL
E-1.01	ELECTRICAL PLAN - 24' x 40'
E-1.02	ELECTRICAL PLAN - 36' x 40'
E-1.03	ELECTRICAL PLAN - 48' TO 120' x 40'

SHT NO.	RAMP
R-1.01	STANDARD RAMP PLAN
~~R-1.02~~	~~STANDARD PLAN~~
R-1.03	RAMP LANDING
~~R-1.04~~	~~STANDARD LANDING WITH STEPS~~
~~R-1.05~~	~~SWITCHBACK RAMP PLAN~~
R-2.01	RAMP DETAILS
~~R-3.01~~	~~CONCRETE RAMP~~

SHT NO.	RELOCATABLE SHEETS
~~REL-101~~	~~BUILDING RELOCATION DETAILS~~
~~REL-102~~	~~BUILDING RELOCATION DETAILS~~

SHT NO.	FIRE SPRINKLERS
~~FS-1~~	~~FIRE SPRINKLER SECTION AND DETAILS~~
~~FS-2~~	~~TYPICAL FIRE SPRINKLER PLANS - 1500 s.f. PER SHEET~~
~~FS-3~~	~~TYPICAL FIRE SPRINKLER PLANS - REMAINING SHEETS~~
~~FS-4~~	~~TYPICAL FIRE SPRINKLER PLANS - 10 x 24 SHT~~
~~FS-5~~	~~FIRE SPRINKLER PLAN - 10 x 40~~
~~FS-6~~	~~FIRE SPRINKLER PLANS~~

SILVER CREEK INDUSTRIES, INC.

"BUILDING FOR THE NEXT GENERATION"

SILVER CREEK

2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
COVER SHEET

LICENSED ARCHITECT — PATRICK E. KELLY — 33467 — REN 01-31-2015 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT FOR USE BY DSA PLAN REVIEWER & REFERENCE ON PROJECT SPECIFIC APPLICATION (DSA-AC) FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC FLS SS JJ2
DATE APR 10 2015
ACCEPTED BY: Sarabia
2 HR. E. WALLS

REVISIONS

1	
2	
3	
4	
5	
6	
7	
8	

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	09-10-14

P.C. SHEET NUMBER
A-0

DSA-103 rev. 12/09/13

Statement of Structural Tests & Special Inspections - 2013 CBC

INCREMENT # | DSA File No.: | Application No.: | Date Submitted: | Revised: | Revised:

School Name | District

IMPORTANT: This form is only a summary list of structural tests and special inspections required for the project. The actual tests and inspections must be performed as detailed on the DSA approved documents. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, and anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A. NOTE: This form is also available for projects submitted for review under the 2007 and 2010 CBC.

INSTRUCTIONS: Click a plus sign (+) before any category or subcategory to reveal additional tests and special inspections. An "X" before a listed test or inspection indicates it is a mandatory requirement. A shaded box indicates a test or special inspection that may be required, depending on the scope of the construction and other issues. A shaded box can be clicked indicating your selection of that test. Note: A minus (-) on a category or subcategory heading indicates that it can be collapsed. However, any selections you may have made will be cleared. Click on the "COMPILE" button to show only the tests finally selected. For more information on use of this form, see DSA-103.INSTR.

Note: References are to the 2013 edition of the California Building Code (CBC) unless otherwise noted.

REQUIRED	TEST OR SPECIAL INSPECTION	TYPE 1	PERFORMED BY 2	CODE REFERENCE AND NOTES
-	SOILS			
	1. GENERAL: Table 1705A.6			
X	a. Verify that: • site has been prepared properly prior to placement of controlled fill and/or excavations for foundations, • foundation excavations are extended to proper depth and have reached proper material, and • materials below footings are adequate to achieve the design bearing capacity.	Periodic	GE*	* By geotechnical engineer or his or her qualified representative.
-	2. COMPACTED FILLS: Table 1705A.6			
X	a. Perform qualification testing of fill materials.	Test	Lab*	* Under the supervision of the geotechnical engineer.
X	b. Verify use of proper material and inspect lift thicknesses, placement, and compaction during placement of fill.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
X	c. Test compaction of fill.	Test	Lab*	* Under the supervision of the geotechnical engineer.
+	3. DRIVEN DEEP FOUNDATIONS (PILES): Table 1705A.7			
+	4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS): Table 1705A.7			
+	5. RETAINING WALLS:			
+	6. OTHER SOILS:			
-	CONCRETE Table 1705A.3			
-	7. CAST IN PLACE CONCRETE Material Verification and Testing:			
X	a. Verify use of required design mix.	Periodic	SI & PI*	* To be performed by batch-plant special inspector and project inspector.
X	c. Perform slump, temperature, and (where required) air content tests.	Test	Lab	ASTM C172, ASTM C31
X	d. Test concrete (compression).	Test	Lab	ACI 318 Section 5.6 and 1905A.1.2 (1913.3.1+), ASTM C39.
	Inspection:			
X	f. Batch plant inspection - design complies with 1705A.3.3 Item 2	Periodic	SI	
X	g. Inspect placement of formwork, reinforcing steel, embedded items and concrete. Inspect curing and form removal.	Continuous	PI*	* May be performed by a special inspector when specifically approved by DSA.
+	8. PRESTRESSED CONCRETE (in addition to Cast in Place Concrete tests and inspections):			
+	9. PRECAST CONCRETE (in addition to Cast in Place Concrete tests and inspections):			
+	10. SHOTCRETE (in addition to Cast in Place Concrete tests and inspections):			
-	11. POST-INSTALLED ANCHORS:			
X	a. Inspect installation of post-installed anchors	Continuous	SI	Table 1705A.3 * May be performed by the project inspector when specifically approved by DSA.
X	b. Test post-installed anchors.	Test	Lab	1910A.7 (1913.2.11+).
+	12. OTHER CONCRETE:			
+	MASONRY TMS 402-11/ACI 530-11/ASCE 5-11 Table 1.19.3			
-	STEEL Table 1705A.2.1			
-	17. STRUCTURAL STEEL AND COLD-FORMED STEEL USED FOR STRUCTURAL PURPOSES Material Verification:			
X	a. Verify that all materials are appropriately marked and that: • Mill certificates indicate material properties that comply with requirements, • Material sizes, types and grades comply with requirements.	Periodic	*	* By special inspector when performed off-site; by project inspector for steel shipped directly to project site without welding or fabrication.
X	b. Test unidentified materials	Test	Lab	2203A.1 (2203.1+). ASTM A370.
X	c. Examine seam welds of structural tubes and pipes	Periodic	SI*	* DSA IR 17-3.
	Inspection:			
X	d. Verify member locations, bracing and all details constructed in the field.	Continuous	PI	
X	e. Verify stiffener locations, connection tab locations and all construction details fabricated in the shop.	Periodic	SI	
+	18. HIGH STRENGTH BOLTS:			
-	19. WELDING: DSA IR 17-3, AWS D1.1 and AWS D1.8 (AWS D1.3 for cold formed steel).			
	Verification of Materials, Equipment, Welders, etc:			
X	a. Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI	
X	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	
X	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
-	19.1 SHOP WELDING:			
X	a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
X	b. Inspect single-pass fillet welds ≤ 5/16"	Periodic	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
X	c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.2.1 Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
-	19.2 FIELD WELDING:[1,2]			
X	a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
		Periodic	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
		Periodic	SI*	* May be performed by the project inspector when specifically approved by DSA. DSA IR 17-3, 1705A.2.2.1.1 and 1705A.2.2.5
X	f. Inspect welding of stairs and railing systems	Periodic	SI*	* May be performed by the project inspector when specifically approved by DSA. DSA IR 17-3, 1705A.2.2.1.1 and 1705A.2.2.5
-	20. NONDESTRUCTIVE TESTING:[3]			
X	a. Ultrasonic	Test	Lab	AISC 341, App. Q 5.2. AWS D1.1, D1.8, ANSI/ASNT CP-189, SNT-TC-1A. - ASTM E543.
X	b. Magnetic Particle	Test	Lab	E1444, E164 - DSA IR 17-2.
+	21. STEEL JOISTS AND TRUSSES:			
X	a. Verify size, type and grade for all chord and web members as well as connectors and weld filler material, verify joist profile, dimensions and camber (if applicable), verify all weld locations, lengths and profiles; mark or tag each joist.	Continuous	SI	1705A.2.2.3 AND DSA IR 22-3 for steel joist only. 1705A.2.2.4 for steel trusses.
+	22. SPRAY APPLIED FIRE-PROOFING:			
-	23. OTHER STEEL:			
X	a. SHOP WELDING OF COLD FORMED STEEL	Periodic	SI	
X	b. SHOP WELD. INSPECT WELDING OF STEEL FLOOR DECK WELDS	Periodic	SI	

SUMMARY

1 Soils testing and Inspection: Geotechnical Verified Report - Form DSA-293
2 All Structural Testing: Laboratory Verified Report - Form DSA-291
3 Concrete Batch Plant Inspection: Special Inspection Verified Report - Form DSA-292
4 Shop Welding Inspection: Special Inspection Verified Report - Form DSA-292
5 Field Welding Inspection: Special Inspection Verified Report - Form DSA-292
6 Steel Joist Fabrication Inspection: Special Inspection Verified Report - Form DSA-292

NOTE:

THE DIFFERENCE BETWEEN "TESTS" AND "SPECIAL INSPECTIONS" IS ADDRESSED IN IR 17-4

FOOT NOTES / OPTIONS

1. THIS TEST INSPECTION REQUIREMENT OCCURS AT FIELD WELDING. MOD TO MOD OPTION ONLY. SEE 12/S1.50 OR 12/S1.60
2. THIS TEST INSPECTION REQUIREMENT OCCURS AT FIELD WELDING. BUILDING TO CONCRETE FOUNDATION OPTION ONLY, SEE 2/F1.50 OR 2/F2.50 AND 10/F2.51
3. THIS TEST INSPECTION / IS TBD BY AOR / DSA PER PROJECT SPECIFIC REQUIREMENTS. UT TESTING SHALL BE PERFORMED ON 100% CJP GROOVE WELDS WHEN THE COLUMNS PER SCHEDULE ON SHEETS S-3.01 THRU S-3.04 HAVE A THICKNESS OF 5/16" OR GREATER - MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25% OF ALL BEAM TO COLUMN CJP GROOVE WELDS

CONSTRUCTION OF (Diaphragm material-foundation material)
CONCRETE FLOOR - CONCRETE FOUNDATION

DSA-103 rev. 12/09/13

Statement of Structural Tests & Special Inspections - 2013 CBC

INCREMENT # | DSA File No.: | Application No.: | Date Submitted: | Revised: | Revised:

School Name | District

IMPORTANT: This form is only a summary list of structural tests and special inspections required for the project. The actual tests and inspections must be performed as detailed on the DSA approved documents. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, and anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A. NOTE: This form is also available for projects submitted for review under the 2007 and 2010 CBC.

INSTRUCTIONS: Click a plus sign (+) before any category or subcategory to reveal additional tests and special inspections. An "X" before a listed test or inspection indicates it is a mandatory requirement. A shaded box indicates a test or special inspection that may be required, depending on the scope of the construction and other issues. A shaded box can be clicked indicating your selection of that test. Note: A minus (-) on a category or subcategory heading indicates that it can be collapsed. However, any selections you may have made will be cleared. Click on the "COMPILE" button to show only the tests finally selected. For more information on use of this form, see DSA-103.INSTR.

Note: References are to the 2013 edition of the California Building Code (CBC) unless otherwise noted.

REQUIRED	TEST OR SPECIAL INSPECTION	TYPE 1	PERFORMED BY 2	CODE REFERENCE AND NOTES
-	SOILS			
	1. GENERAL: Table 1705A.6			
X	a. Verify that: • site has been prepared properly prior to placement of controlled fill and/or excavations for foundations, • foundation excavations are extended to proper depth and have reached proper material, and • materials below footings are adequate to achieve the design bearing capacity.	Periodic	GE*	* By geotechnical engineer or his or her qualified representative.
-	2. COMPACTED FILLS: Table 1705A.6			
X	a. Perform qualification testing of fill materials.	Test	Lab*	* Under the supervision of the geotechnical engineer.
X	b. Verify use of proper material and inspect lift thicknesses, placement, and compaction during placement of fill.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative
X	c. Test compaction of fill.	Test	Lab*	* Under the supervision of the geotechnical engineer.
+	3. DRIVEN DEEP FOUNDATIONS (PILES): Table 1705A.7			
+	4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS): Table 1705A.7			
+	5. RETAINING WALLS:			
+	6. OTHER SOILS:			
-	CONCRETE Table 1705A.3			
-	7. CAST IN PLACE CONCRETE Material Verification and Testing:			
X	a. Verify use of required design mix.	Periodic	SI & PI*	* To be performed by batch-plant special inspector and project inspector.
	OKAY to waive testing of reinforcing steel.			IR 17-10
X	c. Perform slump, temperature, and (where required) air content tests.	Test	Lab	ASTM C172, ASTM C31.
X	d. Test concrete (compression).	Test	Lab	ACI 318 Section 5.6 and 1905A.1.2 (1913.3.1+), ASTM C39.
	Inspection:			
X	f. Batch plant inspection - design complies with 1705A.3.3 Item 2	Periodic	SI	1705A.3.3, Item 2. Requires first batch inspection, weighmaster, and batch tickets.
X	g. Inspect placement of formwork, reinforcing steel, embedded items and concrete. Inspect curing and form removal.	Continuous	PI*	* May be performed by a special inspector when specifically approved by DSA.
+	8. PRESTRESSED CONCRETE (in addition to Cast in Place Concrete tests and inspections):			
+	9. PRECAST CONCRETE (in addition to Cast in Place Concrete tests and inspections):			
+	10. SHOTCRETE (in addition to Cast in Place Concrete tests and inspections):			
-	11. POST-INSTALLED ANCHORS:			
X	a. Inspect installation of post-installed anchors	Continuous	SI	Table 1705A.3 * May be performed by the project inspector when specifically approved by DSA.
X	b. Test post-installed anchors.	Test	Lab	1910A.7 (1913.2.11+).
+	12. OTHER CONCRETE:			
+	MASONRY TMS 402-11/ACI 530-11/ASCE 5-11 Table 1.19.3			
-	STEEL Table 1705A.2.1			
-	17. STRUCTURAL STEEL AND COLD-FORMED STEEL USED FOR STRUCTURAL PURPOSES Material Verification:			
X	a. Verify that all materials are appropriately marked and that: • Mill certificates indicate material properties that comply with requirements, • Material sizes, types and grades comply with requirements.	Periodic	*	* By special inspector when performed off-site; by project inspector for steel shipped directly to project site without welding or fabrication.
X	b. Test unidentified materials	Test	Lab	2203A.1 (2203.1+). ASTM A370.
X	c. Examine seam welds of structural tubes and pipes	Periodic	SI*	* DSA IR 17-3.
	Inspection:			
X	d. Verify member locations, bracing and all details constructed in the field.	Continuous	PI	
X	e. Verify stiffener locations, connection tab locations and all construction details fabricated in the shop.	Periodic	SI	
+	18. HIGH STRENGTH BOLTS:			
-	19. WELDING: DSA IR 17-3, AWS D1.1 and AWS D1.8 (AWS D1.3 for cold formed steel).			
	Verification of Materials, Equipment, Welders, etc:			
X	a. Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI	
X	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	
X	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
-	19.1 SHOP WELDING:			
X	a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
X	b. Inspect single-pass fillet welds ≤ 5/16"	Periodic	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
X	c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.2.1 Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
-	19.2 FIELD WELDING:[1,2]			
X	a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
		Periodic	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
		Periodic	SI*	* May be performed by the project inspector when specifically approved by DSA. DSA IR 17-3, 1705A.2.2.1.1 and 1705A.2.2.5
X	f. Inspect welding of stairs and railing systems	Periodic	SI*	* May be performed by the project inspector when specifically approved by DSA. DSA IR 17-3, 1705A.2.2.1.1 and 1705A.2.2.5
-	20. NONDESTRUCTIVE TESTING:[3]			
X	a. Ultrasonic	Test	Lab	AISC 341, App. Q 5.2. AWS D1.1, D1.8, ANSI/ASNT CP-189, SNT-TC-1A. - ASTM E543.
X	b. Magnetic Particle	Test	Lab	E1444, E164 - DSA IR 17-2.
+	21. STEEL JOISTS AND TRUSSES:			
X	a. Verify size, type and grade for all chord and web members as well as connectors and weld filler material, verify joist profile, dimensions and camber (if applicable), verify all weld locations, lengths and profiles; mark or tag each joist.	Continuous	SI	1705A.2.2.3 AND DSA IR 22-3 for steel joist only. 1705A.2.2.4 for steel trusses.
+	22. SPRAY APPLIED FIRE-PROOFING:			
-	23. OTHER STEEL:			
X	a. SHOP WELDING OF COLD FORMED STEEL	Periodic	SI	

SUMMARY

1 Soils testing and Inspection: Geotechnical Verified Report - Form DSA-293
2 All Structural Testing: Laboratory Verified Report - Form DSA-291
3 Concrete Batch Plant Inspection: Special Inspection Verified Report - Form DSA-292
4 Shop Welding Inspection: Special Inspection Verified Report - Form DSA-292
5 Field Welding Inspection: Special Inspection Verified Report - Form DSA-292
6 Steel Joist Fabrication Inspection: Special Inspection Verified Report - Form DSA-292

NOTE:

THE DIFFERENCE BETWEEN "TESTS" AND "SPECIAL INSPECTIONS" IS ADDRESSED IN IR 17-4

FOOT NOTES / OPTIONS

1. THIS TEST INSPECTION REQUIREMENT OCCURS AT FIELD WELDING. MOD TO MOD OPTION ONLY. SEE 12/S1.50 OR 12/S1.60
2. THIS TEST INSPECTION REQUIREMENT OCCURS AT FIELD WELDING. BUILDING TO CONCRETE FOUNDATION OPTION ONLY, SEE 2/F1.50 OR 2/F2.50 AND 10/F2.51
3. THIS TEST INSPECTION / IS TBD BY AOR / DSA PER PROJECT SPECIFIC REQUIREMENTS. UT TESTING SHALL BE PERFORMED ON 100% CJP GROOVE WELDS WHEN THE COLUMNS PER SCHEDULE ON SHEETS S-3.01 THRU S-3.04 HAVE A THICKNESS OF 5/16" OR GREATER - MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25% OF ALL BEAM TO COLUMN CJP GROOVE WELDS

CONSTRUCTION OF (Diaphragm material-foundation material)
PLYWOOD FLOOR - CONCRETE FOUNDATION 2

The example form DSA 103s shown on this sheet are for illustration purposes only. A form DSA 103 is to be completed for each application that this PC is being incorporated into and all example form DSA-103s ar to be crossed out on this drawing.

DSA-103 rev. 12/09/13

Statement of Structural Tests & Special Inspections - 2013 CBC

INCREMENT # | DSA File No.: | Application No.: | Date Submitted: | Revised: | Revised:

School Name | District

IMPORTANT: This form is only a summary list of structural tests and special inspections required for the project. The actual tests and inspections must be performed as detailed on the DSA approved documents. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, and anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A. NOTE: This form is also available for projects submitted for review under the 2007 and 2010 CBC.

INSTRUCTIONS: Click a plus sign (+) before any category or subcategory to reveal additional tests and special inspections. An "X" before a listed test or inspection indicates it is a mandatory requirement. A shaded box indicates a test or special inspection that may be required, depending on the scope of the construction and other issues. A shaded box can be clicked indicating your selection of that test. Note: A minus (-) on a category or subcategory heading indicates that it can be collapsed. However, any selections you may have made will be cleared. Click on the "COMPILE" button to show only the tests finally selected. For more information on use of this form, see DSA-103.INSTR.

Note: References are to the 2013 edition of the California Building Code (CBC) unless otherwise noted.

REQUIRED	TEST OR SPECIAL INSPECTION	TYPE 1	PERFORMED BY 2	CODE REFERENCE AND NOTES
+	SOILS			
+	CONCRETE			Table 1705A.3
+	MASONRY			TMS 402-11/ACI 530-11/ASCE 5-11 Table 1.19.3
-	STEEL			Table 1705A.2.1
-	17. STRUCTURAL STEEL AND COLD-FORMED STEEL USED FOR STRUCTURAL PURPOSES Material Verification:			
X	a. Verify that all materials are appropriately marked and that: • Mill certificates indicate material properties that comply with requirements, • Material sizes, types and grades comply with requirements.	Periodic	*	* By special inspector when performed off-site; by project inspector for steel shipped directly to project site without welding or fabrication.
X	b. Test unidentified materials	Test	Lab	2203A.1 (2203.1+); ASTM A370.
X	c. Examine seam welds of structural tubes and pipes	Periodic	SI*	* DSA IR 17-3.
	Inspection:			
X	d. Verify member locations, bracing and all details constructed in the field.	Continuous	PI	
X	e. Verify stiffener locations, connection tab locations and all construction details fabricated in the shop.	Periodic	SI	
+	18. HIGH STRENGTH BOLTS:			
-	19. WELDING: DSA IR 17-3, AWS D1.1 and AWS D1.8 (AWS D1.3 for cold formed steel).			
	Verification of Materials, Equipment, Welders, etc:			
X	a. Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI	
X	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	
X	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
-	19.1 SHOP WELDING:			
X	a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
X	b. Inspect single-pass fillet welds ≤ 5/16"	Periodic	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
X	c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.2.1 Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
-	19.2 FIELD WELDING:[1,2]			
X	a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
X	f. Inspect welding of stairs and railing systems	Periodic	SI*	* May be performed by the project inspector when specifically approved by DSA. DSA IR 17-3 1705A.2.2.1.1 and 1705A.2.2.5
-	20. NONDESTRUCTIVE TESTING:[3]			
X	a. Ultrasonic	Test	Lab	AISC 341, App. Q 5.2. AWS D1.1, D1.8, ANSI/ASNT CP-189, SNT-TC-1A. - ASTM E543.
X	b. Magnetic Particle	Test	Lab	E1444, E164 - DSA IR 17-2.
*	21. STEEL JOISTS AND TRUSSES:			
X	a. Verify size, type and grade for all chord and web members as well as connectors and weld filler material, verify joist profile, dimensions and camber (if applicable), verify all weld locations, lengths and profiles; mark or tag each joist.	Continuous	SI	1705A.2.2.3 AND DSA IR 22-3 for steel joist only. 1705A.2.2.4 for steel trusses.
*	22. SPRAY APPLIED FIRE-PROOFING:			
-	23. OTHER STEEL:			
X	a. SHOP WELDING OF COLD FORMED STEEL	Pending	SI	
+	WOOD			
+	OTHER			

SUMMARY

1 All Structural Testing: Laboratory Verified Report - Form DSA-291
2 Shop Welding Inspection: Special Inspection Verified Report - Form DSA-292
3 Field Welding Inspection: Special Inspection Verified Report - Form DSA-292
4 Steel Joist Fabrication Inspection: Special Inspection Verified Report - Form DSA-292

NOTE:

THE DIFFERENCE BETWEEN "TESTS" AND "SPECIAL INSPECTIONS" IS ADDRESSED IN IR 17-4

FOOT NOTES / OPTIONS

1. THIS TEST INSPECTION REQUIREMENT OCCURS AT FIELD WELDING. MOD TO MOD OPTION ONLY. SEE 12/S1.50 OR 12/S1.60
2. THIS TEST INSPECTION REQUIREMENT OCCURS AT FIELD WELDING. BUILDING TO CONCRETE FOUNDATION OPTION ONLY, SEE 2/F1.50 OR 2/F2.50 AND 10/F2.51
3. THIS TEST INSPECTION / IS TBD BY AOR / DSA PER PROJECT SPECIFIC REQUIREMENTS. UT TESTING SHALL BE PERFORMED ON 100% CJP GROOVE WELDS WHEN THE COLUMNS PER SCHEDULE ON SHEETS S-3.01 THRU S-3.04 HAVE A THICKNESS OF 5/16" OR GREATER - MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25% OF ALL BEAM TO COLUMN CJP GROOVE WELDS

CONSTRUCTION OF (Diaphragm material-foundation material)
PLYWOOD FLOOR - WOOD FOUNDATION 1

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
T & I FORMS

LICENSED ARCHITECT — JOHN BOVELLO — C-33457 — REN 01-31-2015 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE: 2013 CBC
A REVIEW OF THIS DOCUMENT FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC ___ ELS ___ SSA ___
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-10-14

P.C. SHEET NUMBER
A-0A

BUILDING OPTIONS SCHEDULE

ROOF FRAMING PLANS

		SHEET NUMBER
ROOF FRAMING DETAILS:	☒ MONO SLOPE	S-2.50
	☐ DUAL SLOPE	S-2.51
ROOF MISCELLANEOUS DETAILS:		S-2.60
ROOF FRAMING DETAILS:	☐ PARAPET - DETAILS	S-2.70
ROOF TRUSS:		S-2.90

BUILDING SECTION

		SHEET NUMBER
BUILDING SECTION:	☒ MONO SLOPE ROOF	S-3.01
	☐ DUAL SLOPE ROOF	S-3.02
	☐ 0.030" MONO SLOPE ROOF	S-3.03
	☐ 0.030" DUAL SLOPE ROOF	S-3.04

WALL FRAMING

		SHEET NUMBER
FRAMING ELEVATIONS:	☒ WOOD STUDS	S-5.00
	☐ STEEL STUDS	S-5.20
FRAMING DETAILS:	☒ WOOD STUDS	S-5.10
	☒ WOOD STUDS	S-5.11
	☐ STEEL STUDS	S-5.30
	☐ STEEL STUDS	S-5.31

PLUMBING

	SHEET NUMBER
☒ PLUMBING DETAILS AND SCHEDULES	P-1.01

MECHANICAL

		SHEET NUMBER
☒ MECHANICAL NOTES, SCHEDULES, AND DETAILS:		M-0.1
☒ 24' x 40' - WALL MOUNT	☒ 4 LIGHT CONFIGURATION	M-1.01
☒ 36' x 40' - WALL MOUNT	☒ 4 LIGHT CONFIGURATION	M-1.02
☒ 48' TO 120' x 40' - WALL MOUNT	☒ 4 LIGHT CONFIGURATION	M-1.03
☐ 24' x 40' - ROOF MOUNT	☐ 4 LIGHT CONFIGURATION	M-2.01
☐ 24' x 40' MECHANICAL ROOF PLAN		M-2.02
☐ 36' x 40' - ROOF MOUNT	☐ 4 LIGHT CONFIGURATION	M-3.01
☐ 36' x 40' MECHANICAL ROOF PLAN		M-3.02
☐ 48' TO 120' x 40' - ROOF MOUNT	☐ 4 LIGHT CONFIGURATION	M-4.01
☐ 48' TO 120' x 40' MECHANICAL ROOF PLAN		M-4.02

ELECTRICAL

			SHEET NUMBER
ELECTRICAL PLAN:	☒ 24' x 40'	☒ 4 LIGHT CONFIGURATION	E-1.01
	☒ 36' x 40'	☒ 4 LIGHT CONFIGURATION	E-1.02
	☒ 48' TO 120' x 40'	☒ 4 LIGHT CONFIGURATION	E-1.03

RAMP

		SHEET NUMBER
RAMP PLANS:	☒ STANDARD RAMP PLAN	R-1.01
	☐ OFFSET RAMP PLAN	R-1.02
	☒ RAMP LANDING	R-1.03
	☐ STANDARD LANDING WITH STEPS	R-1.04
	☐ SWITCHBACK RAMP PLAN	R-1.05
	☒ RAMP DETAILS	R-2.01
	☐ CONCRETE RAMP	R-3.01

BUILDING RELOCATABLE DETAILS

	SHEET NUMBER
☐ BUILDING RELOCATION DETAILS	REL-101 REL-102

FIRE SPRINKLERS

	SHEET NUMBER
☐ FIRE SPRINKLER SECTIONS AND SPECS	FS-1
☐ TYPICAL FIRE SPRINKLER PLANS - 120' X 40'	FS-2
☐ TYPICAL FIRE SPRINKLER PLANS - 24'-84' X 40'	FS-3
☐ TYPICAL FIRE SPRINKLER PLANS - 96'-108' X 40'	FS-4

EXTERIOR ELEVATION (CONTINUED)

			SHEET NUMBER
EXTERIOR ELEVATIONS:	☒ 36' x 40'	☒ MONO SLOPE	A-4.02
		☐ DUAL SLOPE	A-4.03
		☐ PARAPET ROOF - MONO SLOPE	A-4.22
		☐ PARAPET ROOF - DUAL SLOPE	A-4.22
EXTERIOR ELEVATIONS:	☒ 48' TO 120' x 40'	☒ MONO SLOPE	A-4.04
		☐ DUAL SLOPE	A-4.05
		☐ PARAPET ROOF - MONO SLOPE	A-4.23
		☐ PARAPET ROOF - DUAL SLOPE	A-4.23

CROSS SECTIONS

		SHEET NUMBER
CROSS SECTIONS:	☒ MONO SLOPE - 0.018", BUILT UP, OR TPO ROOF DECK	A-5.01
	☐ DUAL SLOPE - 0.018", BUILT UP, OR TPO ROOF DECK	A-5.02
	☐ MONO SLOPE - 0.030" ROOF DECK	A-5.03
	☐ DUAL SLOPE - 0.030" ROOF DECK	A-5.04
	CROSS SECTION	A-5.05

ARCHITECTURAL DETAILS

			SHEET NUMBER
WALL DETAILS:	☒ WOOD STUDS	☒ EXTERIOR WOOD SIDING	A-5.50
		☐ EXTERIOR PLASTER FINISH	A-5.51
		☐ EXTERIOR WOOD SIDING - 1 HOUR RATED	A-5.52
		☐ EXTERIOR PLASTER FINISH - 1 HOUR RATED	A-5.53
	☐ STEEL STUDS	☐ EXTERIOR WOOD SIDING	A-5.60
		☐ EXTERIOR PLASTER FINISH	A-5.61
		☐ EXTERIOR WOOD SIDING - 1 HOUR RATED	A-5.62
		☐ EXTERIOR PLASTER FINISH - 1 HOUR RATED	A-5.63
☐ 1-HOUR RATED OPTIONS			A-5.64
FLOOR DETAILS:			A-5.70

MISCELLANEOUS DETAILS

		SHEET NUMBER
MISCELLANEOUS:	☒ CASEWORK, TV, AND PROJECTION SCREEN DETAILS	A-5.80
	☒ WATER HEATER, DRINKING FOUNTAIN, AND FOLDING WALL DETAILS	A-5.81

INTERIOR ELEVATIONS

	SHEET NUMBER
☒ 24' x 40' INTERIOR ELEVATION	A-6.01
☒ 36' x 40' INTERIOR ELEVATION	A-6.02
☒ 48' TO 120' x 40' INTERIOR ELEVATION	A-6.03

FOUNDATIONS

		SHEET NUMBER
☒ WOOD FOUNDATION PLAN	☐ 24' x 40' (50 PSF)	☐ F-0.01
	☒ 24' x 40' (50+15 PSF)	☐ F-0.02
	☐ 24' x 40' (100 PSF)	☐ F-0.03
	☐ 24' x 40' (150 PSF)	☐ F-0.04
	☐ 36' x 40' (50 PSF)	☐ F-0.11
	☒ 36' x 40' (50+15 PSF)	☐ F-0.12
	☐ 36' x 40' (100 PSF)	☐ F-0.13
	☒ 36' x 40' (150 PSF)	☐ F-0.14
	☐ 48' x 40' (50 PSF)	☐ F-0.21
	☒ 48' x 40' (50+15 PSF)	☐ F-0.22
	☐ 48' x 40' (100 PSF)	☐ F-0.23
	☐ 48' x 40' (150 PSF)	☐ F-0.24
☒ WOOD FOUNDATION DETAILS:		☐ F-0.50
☐ CONCRETE FOUNDATION PLAN - ABOVE GRADE	☐ WOOD FLOOR - (50, 50+15, 100, OR 150PSF)	☐ F-1.01
	☐ CONCRETE FLOOR - (50, 50+15, 100, OR 150PSF)	☐ F-1.11
☐ CONCRETE FOUNDATION DETAILS - ABOVE GRADE:		☐ F-1.50
☐ CONCRETE FOUNDATION PLAN - BELOW GRADE	☐ WOOD FLOOR - (50, 50+15, 100, OR 150PSF)	☐ F-2.01
	☐ CONCRETE FLOOR - (50, 50+15, 100, OR 150PSF)	☐ F-2.11
☐ CONCRETE FOUNDATION DETAILS - BELOW GRADE:		☐ F-2.50
☐ FOUNDATION DETAILS - CONCRETE		☐ F-2.51

GENERAL STRUCTURAL SHEETS

	SHEET NUMBER
STRUCTURAL SPECS:	S-0.1

FLOOR FRAMING PLANS

		SHEET NUMBER
FLOOR FRAMING:	☒ WOOD FLOOR	S-1.01
	☐ CONCRETE FLOOR	S-1.11
FLOOR FRAMING DETAILS:	☒ WOOD FLOOR	S-1.50
	☐ CONCRETE FLOOR	S-1.60

ROOF FRAMING PLANS

		SHEET NUMBER
ROOF FRAMING:	☒ 0.018", BUILT UP, OR TPO - MONO SLOPE	S-2.01
	☐ 0.030" - MONO SLOPE	S-2.02
	☐ PARAPET - MONO SLOPE	S-2.03
	☐ 0.018", BUILT UP, OR TPO - DUAL SLOPE	S-2.11
	☐ 0.030" - DUAL SLOPE	S-2.12
	☐ PARAPET - DUAL SLOPE	S-2.13

GENERAL ARCHITECTURAL SHEETS

	SHEET NUMBER
COVER SHEET:	A-0
T & I FORMS	A-0A & B
BUILDING OPTIONS SCHEDULE SHEET:	A-0.0
SYMBOLS, LEGEND, ABBREVIATION, ADA SIGNAGE SHEET:	A-0.1
SCHEDULE SHEET:	A-0.2
KEY PLAN: 24' TO 120' x 40'	A-0.3
ENERGY CALCS	A-0.5A-C
ENERGY CALCS	A-0.6A-F
DESIGN ENERGY VALUES BY ZONE AND CALGREEN SPECIFICATIONS	A-0.7

FLOOR PLANS

		SHEET NUMBER
FLOOR PLANS:	☒ FLOOR PLAN - 24' x 40'	A-1.01
	☒ FLOOR PLAN - 36' x 40'	A-1.02
	☒ FLOOR PLAN - 48' TO 120' x 40'	A-1.03
	☐ TOILET END MODULE - 12' x 40' (FLOOR PLAN & ELEVATIONS)	A-1.04
	☐ TOILET END MODULE - 12' x 40' (PLUMBING PLANS)	A-1.05
	☐ TOILET BUILDING - 24' x 40' (FLOOR PLAN & ELEVATIONS)	A-1.06
	☐ TOILET BUILDING - 24' x 40' (PLUMBING PLANS)	A-1.07

CEILING

			SHEET NUMBER
REFLECTED CEILING PLANS:	☒ 24' x 40'	☒ 4 LIGHT CONFIGURATION	A-2.01
	☒ 36' x 40'	☒ 4 LIGHT CONFIGURATION	A-2.02
	☒ 48' TO 120' x 40'	☒ 4 LIGHT CONFIGURATION	A-2.03
CEILING DETAILS:	☒ T-GRID		A-2.20
	☐ HARD LID		A-2.21

ROOF PLAN

			SHEET NUMBER
ROOF PLANS:	☒ 24' x 40'	☒ 0.018" ROOF - METAL DECK - MONO SLOPE	A-3.01
		☐ 0.018" ROOF - METAL DECK - DUAL SLOPE	A-3.01
		☐ 0.030" ROOF - METAL DECK - MONO SLOPE	A-3.11
		☐ 0.030" ROOF - METAL DECK - DUAL SLOPE	A-3.11
		☐ BUILT UP ROOF - MONO SLOPE	A-3.21
		☐ BUILT UP ROOF - DUAL SLOPE	A-3.21
		☐ PARAPET ROOF - MONO SLOPE	A-3.31
		☐ PARAPET ROOF - DUAL SLOPE	A-3.31
		☐ TPO ROOF - MONO SLOPE	A-3.41
		☐ TPO ROOF - DUAL SLOPE	A-3.41
	☒ 36' x 40'	☒ 0.018" ROOF - METAL DECK - MONO SLOPE	A-3.02
		☐ 0.018" ROOF - METAL DECK - DUAL SLOPE	A-3.02
		☐ 0.030" ROOF - METAL DECK - MONO SLOPE	A-3.12
		☐ 0.030" ROOF - METAL DECK - DUAL SLOPE	A-3.12
		☐ BUILT UP ROOF - MONO SLOPE	A-3.22
		☐ BUILT UP ROOF - DUAL SLOPE	A-3.22
		☐ PARAPET ROOF - MONO SLOPE	A-3.32
		☐ PARAPET ROOF - DUAL SLOPE	A-3.32
		☐ TPO ROOF - MONO SLOPE	A-3.42
		☐ TPO ROOF - DUAL SLOPE	A-3.42
	☒ 48' TO 120' x 40'	☒ 0.018" ROOF - METAL DECK - MONO SLOPE	A-3.03
		☐ 0.018" ROOF - METAL DECK - DUAL SLOPE	A-3.04
		☐ 0.030" ROOF - METAL DECK - MONO SLOPE	A-3.13
		☐ 0.030" ROOF - METAL DECK - DUAL SLOPE	A-3.14
		☐ BUILT UP ROOF - MONO SLOPE	A-3.23
		☐ BUILT UP ROOF - DUAL SLOPE	A-3.24
		☐ PARAPET ROOF - MONO SLOPE	A-3.33
		☐ PARAPET ROOF - DUAL SLOPE	A-3.34
		☐ TPO ROOF - MONO SLOPE	A-3.43
		☐ TPO ROOF - DUAL SLOPE	A-3.44
ROOF DETAILS:	☒ 0.018" STANDING SEAM ROOF DECK		A-3.50
	☐ 0.030" STANDING SEAM ROOF DECK		A-3.60
	☐ 0.030" STANDING SEAM ROOF DECK		A-3.61
	☐ BUILT UP ROOF		A-3.70
	☐ PARAPET		A-3.80
	☐ TPO		A-3.90

EXTERIOR ELEVATION

			SHEET NUMBER
EXTERIOR ELEVATIONS:	☒ 24' x 40'	☒ MONO SLOPE	A-4.01
		☐ DUAL SLOPE	A-4.01
		☐ PARAPET ROOF - MONO SLOPE	A-4.21
		☐ PARAPET ROOF - DUAL SLOPE	A-4.21

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE, PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
BUILDING OPTIONS SCHEDULE

LICENSED ARCHITECT RICHARD E. SHIVELY II C-33487 REN 01-31-2015 STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT ONLY - NOT FOR CONSTRUCTION A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC ___ FLS ___ SS ___
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	09-10-14

P.C. SHEET NUMBER
A-0.0

REFLECTED CEILING NOTES

METAL SUSPENSION FOR LAY-IN PANEL CEILING:

A. 12GA. (MIN.) HANGER WIRES MAY BE USED FOR UP TO THE INCLUDING 4'-0" X 4'-0" GRID SPACING, ALONG MAIN RUNNER. SPLICES WILL NOT BE PERMITTED IN ANY HANGER WIRES UNLESS SPECIFICALLY APPROVED BY DSA.

B. PROVIDE 12GA. HANGER WIRES WITHIN 6" OF THE ENDS OF ALL MAIN & CROSS RUNNERS OR AT 1/4 OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS AT THE PERIMETER OF THE CEILING AREA.

C. PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO MAINTAIN HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT THE CEILING BREAKS, SOFFITS OR DISCONTINUOUS AREAS. HANGER WIRES THAT ARE MORE THAN 1 IN 6 PLUMB ARE TO HAVE COUNTER SLOPING WIRES.

D. CEILING GRID MEMBERS MAY BE ATTACHED TO NOT MORE THAN 2 ADJACENT WALLS. CEILING GRID MEMBERS SHOULD BE AT LEAST 3/4" CLEAR OF OTHER WALLS. IF WALLS RUN DIAGONALLY TO CEILING GRID SYS. RUNNERS, THE MAIN AND CROSS RUNNERS SHOULD BE FREE & A MIN. OF 3/4" CLEAR OF WALL.

E. AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A 16GA. WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNERS MAY BE USED. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNERS IS 8" OR LESS, THIS INTERLOCK IS NOT REQ'D.

F. PROVIDE BRACING ASSEMBLY CONSISTING OF A COMPRESSION STRUT (COMPRESSION STRUTS SHALL BE ADEQUATE TO RESIST THE VERTICAL COMPONENT INDUCED BY THE BRACING WIRES, AND SHALL NOT BE MORE THAN 1 (HORIZONTAL) IN 6 (VERTICAL) OUT OF PLUMB) AND (4) 12GA. SPLAYED WIRES ORIENTED 90° FROM EA. OTHER AT THE FOLLOWING SPACING.
(A). PLACE BRACING ASSEMBLIES AT A SPACING NOT MORE THAN 8'-0" X 8'-0" ON CENTER.
(B). PROVIDE BRACING ASSEMBLIES AT LOCATIONS NOT MORE THAN 1/2 THE ABOVE SPACING FROM EA. PERIMETER WALL OR AT THE EDGE OF VERTICAL CEILING OFFSETS. THE SLOPE OF THESE WIRES SHALL NOT EXCEED 45° FROM THE PLANE OF THE CEILING AND SHOULD BE TAUT WITHOUT CAUSING THE CEILING TO LIFT. SPLICES IN BRACING WIRES ARE NOT PERMITTED WITHOUT SPECIAL DSA APPROVAL.

G. FASTEN #12 HANGER WIRES WITH NOT LESS THAN THREE (3) TIGHT TURNS IN 5 INCHES. HANGER WIRE LOOPS SHALL BE TIGHTLY WRAPPED AND SHARPLY BENT TO PREVENT ANY VERTICAL MOVEMENT OR ROTATION OF THE MEMBER WITHIN THE LOOPS (SEE ASTM E580, SECTION 5.2.7.2). FASTEN SPLAY WIRES WITH 4 TIGHT TURNS. HANGER OR BRACING WIRE ANCHORS TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE ANCHOR ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE WIRE.

H. SEPARATE ALL CEILING HANGING AND BRACING WIRES AT LEAST 6" FROM ALL UNBRACED DUCTS, PIPES, CONDUITS, ETC.
HANGER WIRES SHALL NOT ATTACH TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT. PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO TYPICAL HANGER SPACING. SEE FIGURE 3A, DETAIL F OF DSA IR 25-2.10. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS, OR DISCONTINUOUS AREAS.

I. CEILING PANELS SHALL NOT SUPPORT ANY LIGHT FIXTURES, AIR TERMINALS OR DEVICES.
ATTACH ALL LIGHT FIXTURES CEILING MOUNTED AIR TERMINALS AND ALL OTHER DEVICES TO THE CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURES. SCREWS OR APPROVED FASTENERS ARE REQUIRED. MINIMUM OF TWO ATTACHMENTS ARE REQUIRED AT EACH LIGHT FIXTURE PER ASTM E580 SECTION 5.3.1.
RECESSED OR DROP-IN LIGHT FIXTURES, GRILLES, MECHANICAL TERMINALS, AND FLEXIBLE SPRINKLER HOSE FITTINGS OR OTHER SERVICES BE SUPPORTED DIRECTLY ON RUNNERS CLASSIFIED AS ASTM HEAVY DUTY, BUT THEY MUST ALSO HAVE A MINIMUM OF TWO (2) #12 GAGE SLACK SAFETY WIRES ATTACHED TO THE FIXTURE AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE.

J. ALL FLUSH OR RECESSED LIGHT FIXTURES, MECHANICAL TERMINALS, AND FLEXIBLE SPRINKLER HOSE FITTINGS OR OTHER SERVICES WEIGHING 56 LBS. OR MORE MUST BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN FOUR (4) TAUT #12 GAGE WIRES ATTACHED TO THE HOUSING AND TO THE STRUCTURE ABOVE. THE FOUR (4) TAUT #12 GAGE WIRES, INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE, MUST BE CAPABLE OF SUPPORTING FOUR (4) TIMES THE WEIGHT OF THE UNIT.
ALL 4 ft. x 4 ft. LIGHT FIXTURES MUST HAVE SLACK SAFETY WIRES AT EACH CORNER. SURFACE-MOUNTED FIXTURES SHALL BE ATTACHED TO THE MAIN RUNNER WITH AT LEAST TWO POSITIVE CLAMPING DEVICES MADE OF MATERIAL WITH A MINIMUM #14 GAGE. ROTATIONAL SPRING CATCHES DO NOT COMPLY. A #12 GAGE SUSPENSION WIRE SHALL BE ATTACHED TO EACH CLAMPING DEVICE TO THE STRUCTURE ABOVE. PROVIDE ADDITIONAL SUPPORTS WHEN LIGHT FIXTURES ARE 8 ft. OR LONGER. MAXIMUM SPACING BETWEEN SUPPORTS SHALL NOT EXCEED 8 FEET.
SUPPORT PENDANT-MOUNTED LIGHT FIXTURES DIRECTLY FROM THE STRUCTURE ABOVE WITH HANGER WIRES OR CABLES PASSING THROUGH EACH PENDANT HANGER AND CAPABLE OF SUPPORTING TWO (2) TIMES THE WEIGHT OF THE FIXTURE. A BRACING ASSEMBLY, PER FIGURE 1, IS REQUIRED WHERE THE PENDANT HANGER PENETRATES THE CEILING. SPECIAL DETAILS ARE REQUIRED TO ATTACH THE PENDANT HANGER TO THE BRACING ASSEMBLY TO TRANSMIT HORIZONTAL FORCE. IF THE PENDANT MOUNTED LIGHT FIXTURE IS DIRECTLY AND INDEPENDENTLY BRACED BELOW THE CEILING, I.E. AIRCRAFT CABLES TO WALLS, THEN BRACE ASSEMBLY IS NOT REQUIRED ABOVE THE CEILING. SEE IR 16-9 FOR ADDITIONAL REQUIREMENT FOR PENDENT MOUNTED FIXTURES.
ALL LIGHT-WEIGHT MISCELLANEOUS DEVISES, SUCH AS STROBE LIGHTS, SPEAKERS, ETC., SHALL BE ATTACHED TO THE CEILING GRID PER SECTION 7.1 OF DSA IR 25-2.10. IN ADDITION, DEVICES WEIGHING MORE THAN 10 LBS SHALL HAVE A #12 SLACK SAFETY WIRE ANCHORED TO THE STRUCTURE ABOVE. DEVICES WEIGHTING MORE THEN 20 LBS SHALL BE SUPPORTED FROM THE STRUCTURE ABOVE PER SECTION 7.3 OF DSA IR 25-2.10.
PENETRATIONS THROUGH THE CEILING FOR SPRINKLER HEADS AND OTHER SIMILAR DEVICES THAT ARE NOT INTEGRALLY TIED TO THE CEILING SYSTEM IN THE LATERAL DIRECTION SHALL HAVE A TWO (2) INCH OVERSIZED RING, SLEEVE OR ADAPTER THROUGH THE CEILING TILE TO ALLOW FREE MOVEMENT OF ONE (1) INCH IN ALL HORIZONTAL DIRECTIONS. ALTERNATIVELY, PER ASTM E580 SECTION 5.2.8.8, A FLEXIBLE SPRINKLER HOSE FITTING THAT CAN ACCOMMODATE 1 INCH OF CEILING MOVEMENT SHALL BE PERMITTED TO BE USED IN LIEU OF THE OVERSIZED RING, SLEEVE OR ADAPTER.

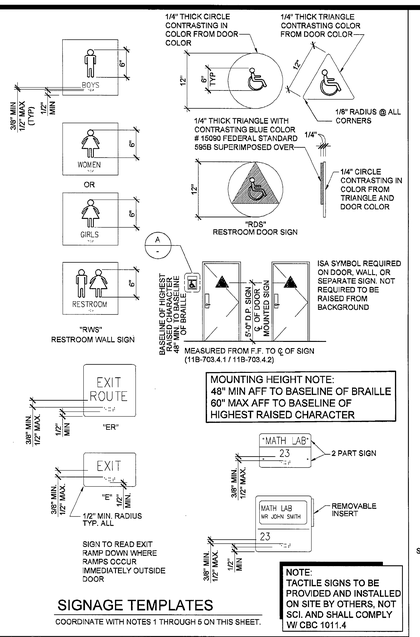
K. CLASSIFICATION OF CEILING GRID:
CLASSIFICATION OF CEILING GRID SHALL BE "HEAVY DUTY"
MAIN RUNNER: 7301
4' CROSS TEE: XL7341
2' CROSS TEE: XL7328
2" WALL ANGLE: 7810
ARMSTRONG PER ASTM C635 AND C636.
PERIMETER SUPPORTING CLOSURE ANGLE SHALL BE NOT LESS THAN 2", ACOUSTICAL PANELS SHALL BE 5/8" MINIMUM THICK, MINERAL FIBERBOARD OR VINYL FACED FIBERGLASS LAY-IN PANELS SQUARE EDGE AND CBC CLASS C FLAME-SPREAD 76-200; SMOKE-DEVELOPED 0-450.

L. FOR CEILING AREAS EXCEEDING 2500 SQUARE FEET, A SEISMIC SEPARATION JOINT SHALL BE PROVIDED IN ACCORDANCE WITH DSA IR 25-2.10 SECTION 8, FIGURE 7, DETAIL A TO DIVIDE THE CEILING INTO AREAS NOT EXCEEDING 2500 SQUARE FEET, ALTERNATIVELY, COMPLY WITH ASTM E580-08 SECTION 5.2.9. - SEE 20/A-2.20

2. NOTE FOR FIRE BLK CONSTRUCTION: SECTION 718
PER CBC SECTION 718.2.1, FIRE BLOCKS MAY BE OF GYPSUM BOARD, CEMENT FIBER BOARD, BATTS OR MINERAL OR GLASS FIBER, OR OTHER APPROVED MATERIALS INSTALLED IN SUCH A MANNER AS TO BE SECURELY RETAINED IN PLACE. LOOSE-FILL INSULATION MATERIAL SHALL NOT BE USED AS A FIRE BLOCK UNLESS SPECIFICALLY TESTED IN THE FORM AND MANNER INTENDED FOR USE TO DEMONSTRATE ITS ABILITY TO REMAIN IN PLACE AND TO RETARD THE SPREAD OF FIRE AND HOT GASES. (SECTION 718.2.1). FLAME SPREAD - 25 SMOKE DEVELOPMENT - 50 MAX
FIRE BLOCKING IS NOT REQUIRED WITH CONCEALED SPACES CONSTRUCTED OF NON-COMBUSTIBLE MATERIALS

3. DUCTWORK SHALL BE RIGIDLY ATTACHED TO BUILDING AND SHALL NOT BE CLOSER THAN 6" TO HANGER WIRES

4. HANGER WIRES MORE THAN 1-IN-6 OUT OF PLUMB SHALL HAVE COUNTER SLOPING WIRES



SIGNAGE TEMPLATES

COORDINATE WITH NOTES 1 THROUGH 6 ON THIS SHEET.

TACTILE EXIT SIGNS

1. CHARACTER TYPE: CHARACTERS ON SIGNS SHALL BE RAISED 1/32 INCH (0.794 mm). MINIMUM AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY CONTRACTED GRADE 2 BRAILLE (SEE NOTE 5 BELOW).
2. CHARACTER SIZE: RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8 INCH (15.9 mm) AND A MAXIMUM OF 2 INCHES (51 mm) HEIGHT BASED ON THE HEIGHT OF THE UPPERCASE "I".
3. FINISH AND CONTRAST: CONTRAST BETWEEN CHARACTERS, SYMBOLS AND THEIR BACKGROUND MUST BE 70% MINIMUM AND HAVE A NON-GLARE FINISH. 11B-703.5.1 / 11B-703.6.2 / 11B-703.7.1
4. PROPORTIONS: CHARACTERS ON SIGNS SHALL HAVE A WIDTH-TO HEIGHT RATIO OF BETWEEN 60% MIN. AND 110% MAX. AND A STROKE-TH-HEIGHT RATIO OF BETWEEN 10% MIN. AND 20% MAX. OF THE CHARACTER HEIGHT. 11B-703.2.4, 11B-703.2.6, 11B-703.5.7.
ALL LETTERS MEASURED MUST BE UPPERCASE. AFTER CHOOSING A TYPE STYLE TO TEST. BEGIN BY PRINTING THE LETTERS "O", AND "I" AT 1 INCH HIGH. PLACE THE TEMPLATE'S 110% SQUARE OVER "O",IF THE CHARACTER IS NOT WIDER THAN 110% SQUARE, NOR NARROWER THAN THE 60% RECTANGLE, THE PROPORTIONS ARE CORRECT. USE THE 20% RECTANGLE TO DETERMINE IF THE STROKE OF THE "I" IS TOO BROAD, AND THE 10% RECTANGLE TO SEE IF ITS IS TOO NARROW. IF ALL THE TESTS ARE PASSED, THE TYPE STYLE IS COMPLIANT WITH PROPORTION CODE.
TEMPLATE FOR CHECKING CHARACTER AND STROKE WIDTH TO HEIGHT PROPORTIONS:
110% MAX. 60% MIN. CHARACTER WIDTH
20% MAX. 10% MIN. STROKE WIDTH
5. BRAILLE: CONTRACTED CALIFORNIA GRADE 2 BRAILLE SHALL BE USED WHEREVER BRAILLE IS REQUIRED IN OTHER PORTIONS OF THESE STANDARDS. DOTS SHALL BE 1/10 INCH (2.54 mm) ON CENTERS IN EACH CELL WITH 2/10 INCH (5.08 mm) SPACE BETWEEN CELLS, MEASURED FROM THE SECOND COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL. DOTS SHALL BE RAISED A MINIMUM OF 1/40 INCH (0.635 mm) ABOVE THE BACKGROUND. 11B-703.3 / 11B-703.3.1.
BRAILLE CELL: Inter-cell Spacing = .20"
BRAILLE DOT: Rounded dot (Acceptable) .025" MIN.
NO Squared dot (Not Acceptable)
REQUIRED ROUNDED OR DOMED CALIFORNIA BRAILLED DOTS, EACH DISTINCT AND SEPARATE. DOTS WITH STRAIGHT SIDES AND FLAT TOPS ARE NOT READABLE FOR MANY BRAILLE USERS.

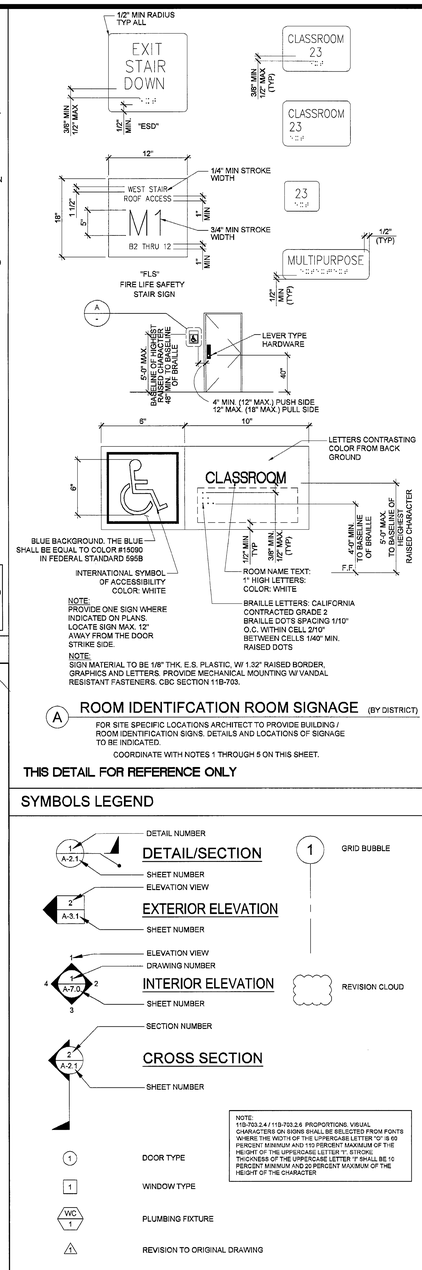
EXAMPLE OF HOW TO DEMONSTRATE FONT TO BE USED

110% MAX. 60% MIN. CHARACTER PROPORTIONS
20% MAX. 10% MIN. STROKE THICKNESS

WIDTH-TO-HEIGHT PROPORTIONS TEMPLATE

2/10" SPACE BETWEEN CELLS (LETTERS)
1/10" BY 1/10" GRID
CALIFORNIA CONTRACTED GRADE 2 BRAILLE SHALL BE USED WHEREVER BRAILLE IS REQUIRED. INDIVIDUAL BRAILLE DOTS SHALL BE DISTINCT AND SEPARATE. EACH DOT SHALL BE ROUNDED OR DOMED IN LIEU OF SQUARE SIDED AND FLAT TOPPED.

BRAILLE SPACING TEMPLATE PER TITLE 24



A ROOM IDENTIFCATION ROOM SIGNAGE (BY DISTRICT)

FOR SITE SPECIFIC LOCATIONS ARCHITECT TO PROVIDE BUILDING / ROOM IDENTIFICATION SIGNS. DETAILS AND LOCATIONS OF SIGNAGE TO BE INDICATED.

COORDINATE WITH NOTES 1 THROUGH 5 ON THIS SHEET.

THIS DETAIL FOR REFERENCE ONLY

SYMBOLS LEGEND

ABBREVIATIONS

AB	ANCHOR BOLT	FA	FIRE ALARM	℄ OR PL	PLATE
ABS	ABSOLUTE	FCO	FLOOR CLEAN OUT	PC	PRE-CHECKED
ABV	ABOVE	FF	FINISH FLOOR	PLAS	PLASTER
ACC	ACCESS	FG	FINISH GRADE	PLYWD	PLYWOOD
ADDL	ADDITIONAL	FIN	FINISH	PNL	PANEL
ADJ	ADJACENT	FLR	FLOOR	PNT	PAINT
AFF	ABOVE FINISH FLOOR	FN	FIELD NAILING	POC	POINT OF CONNECTION
AFG	ABOVE FINISH GRADE	FND	FOUNDATION	POT	PATH OF TRAVEL
AGC	ABOVE GRADE CONCRETE	FOC	FACE OF CONCRETE	PSF	POUNDS PER SQUARE FOOT
ALT	ALTERNATE	FOS	FACE OF STUD	PSI	POUNDS PER SQUARE INCH
AOR	ARCHITECT OF RECORD	FTG	FOOTING	PT	PRESSURE TREATED
APPROX	APPROXIMATE	FOF	FACE OF FINISH		
ARCH	ARCHITECTURAL / ARCHITECT			RAG	RETURN AIR GRILLE
		GA	GAUGE	RD	ROOF DRAIN
BD	BOARD	GALV	GALVANIZE	REF	REFERENCE
BGC	BELOW GRADE CONCRETE	GC	GENERAL CONTRACTOR	REG	REGISTER
BLDG	BUILDING	GR	GRADE	REINF	REINFORCE
BLK	BLOCK	GYP	GYPSUM	REQ'D	REQUIRED
BLKG	BLOCKING	GYP BD	GYPSUM BOARD	REV	REVISION
BM	BEAM			RF	ROOF
BOT	BOTTOM			RM	ROOM
BTWN	BETWEEN	HB	HOSE BIBB	RO	ROUGH OPENING
BU	BUILT UP	HD	HEAVY DUTY	ROH	ROOF OVERHANG
		HDR	HEADER		
CAB	CABINET	HDW	HARDWARE	SCHED	SCHEDULE
CBC	CALIFORNIA BUILDING CODE	HT	HEM FIR	SEC	SECTION
CI	CAST IRON	HORIZ	HORIZONTAL	SHT	SHEET
CJ	CONTROL JOINT	HT	HEIGHT	SHTG	SHEATHING
CJP	COMPLETE JOINT PENETRATION	HVAC	HEATING, VENTILATING, AND AIR CONDITIONING	SIM	SIMILAR
				SPEC	SPECIFICATION
℄	CENTER LINE			SQ	SQUARE
CLG	CEILING	INCL	INCLUDED	SST	STAINLESS STEEL
CO	CLEAN OUT	INFO	INFORMATION	STD	STANDARD
COL	COLUMN	INT	INTERIOR	STIFF	STIFFENER
CONC	CONCRETE			STL	STEEL
CONN	CONNECTION	J-BOX	JUNCTION BOX	STS	SELF-TAPPING SCREW
CONST	CONSTRUCTION	JST	JOIST	ST.SMS	SELF-TAPPING SHEET METAL SCREW
CONT	CONTINUOUS	JT	JOINT		
CPT	CARPET				
CSK	COUNTERSINK	KO	KNOCK OUT		
CTR	CENTER			T&B	TOP AND BOTTOM
		LAB	LABORATORY	T&G	TONGUE AND GROOVE
DBL	DOUBLE	LAM	LAMINATED	TEL	TELEPHONE
DET	DETAIL	LAV	LAVATORY	THK	THICK
DF	DOUGLAS FIR	LB	POUNDS	TOC	TOP OF COLUMN
DIA OR Ø	DIAMETER	LT	LIGHT	TOS	TOP OF STEEL
DIAG	DIAGONAL	LT WT	LIGHT WEIGHT	TS	TUBE STEEL
DIM	DIMENSION	LVR	LOUVER	TV	TELEVISION
DSA	DIVISION OF THE STATE ARCHITECT			TYP	TYPICAL
		MAX	MAXIMUM		
DWG	DRAWING	MB	MACHINE BOLT	UBC	UNIFORM BUILDING CODE
		MED	MEDIUM	UON	UNLESS OTHERWISE NOTED
(E)	EXISTING	MFR	MANUFACTURER		
EA	EACH	MIN	MINIMUM	UR	URINAL
EJ	EXPANSION JOINT	MISC	MISCELLANEOUS		
ELEV	ELEVATION	MOD	MODULE	VERT	VERTICAL
EN	END NAIL	MTL	METAL	VCT	VINYL COMPOSITION TILE
EQ	EQUAL	(N)	NEW		
EQUIP	EQUIPMENT	N	NORTH	W/	WITH
EW	EACH WAY	N/C	NOT IN CONTRACT (NOT IN SILVER CREEK'S SCOPE OF WORK	WC	WATER CLOSET
EXT	EXTERIOR			WCO	WALL CLEAN OUT
				WD	WOOD
		NL	NAIL	WH	WATER HEATER
		NO	NUMBER	WIC	WOODWORK INSTITUTE OF CALIFORNIA
		NTS	NOT TO SCALE		
				WNO	WINDOW
		OC	ON CENTER	W/O	WITHOUT
		OD	OUTSIDE DIAMETER	WP	WATER PROOF
		OH	OPPOSITE HAND		
		OPNG	OPENING		
		OPP	OPPOSITE		

SPECIFICATIONS

DIVISION 5 - METALS
05720 RAILINGS AND HANDRAILS:
ALL WELDED JOINTS AND SURFACES SHALL BE GROUND SMOOTH, NO SHARP OR ABRASIVE CORNERS EDGES OR SURFACES. WALL SURFACES ADJACENT TO HANDRAIL SHALL BE SMOOTH.

DIVISION 8 - DOORS
0871 0 DOOR HARDWARE:
- IF THE DOOR HAS A CLOSER, THEN THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEGREES, THE DOOR WILL TAKE AT LEAST 5 SECONDS TO MOVE TO A POINT 3" FROM THE LATCH, MEASURED TO THE LANDING SIDE OF THE DOOR. 11B-604.2.7 / 11B-309.4. ALL HARDWARE SHALL MEET THE REQUIREMENTS OF CBC SECTIONS CHAPTER 10, SECTION 1008.1.9 / 11B-404.2.7 AND 11B-309.4
- THRESHOLDS SHALL COMPLY WITH CBC SECTIONS 1008.1.7 AND 11B-404.2.5.
- FLOOR STOPS SHALL NOT BE LOCATED IN THE PATH OF TRAVEL AND 4" MAXIMUM FROM WALLS POLICY 99-08

08712 EXIT DEVICES: (WHERE APPLICABLE)
MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 LB (22.2 N) FOR EXTERIOR AND INTERIOR DOORS, SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHERE FIRE DOORS ARE REQUIRED, 5LBS MAX OR THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED TO THE MAXIMUM ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 15 LBF (66.72 N) PER CBC SECTIONS 1008.1.3 AND 11B-404.2.9
HAND-ACTIVATED DOOR OPENING HARDWARE, HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE. MOUNTING HEIGHT OF LATCHING HARDWARE SHALL BE CENTERED BETWEEN 34 INCHES MIN AND 48 INCHES MAX ABOVE THE FLOOR PER CBC SECTION 1008.1.9.2. LATCHING AND LOCKING DOORS THAT ARE HAND-ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER-TYPE HARDWARE, PANIC BARS, PUSH-PULL ACTIVATING BARS OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE. LOCKED EXIT DOOR SHALL OPERATE AS ABOVE IN EGRESS DIRECTION PER CBC SECTION 1008.1.2
PANIC HARDWARE SHALL NOT BE PROVIDED WITH "NIGHT LATCH" FUNCTION FOR ANY ACCESSIBLE DOORS OR GATES UNLESS THE FOLLOWING CONDITIONS ARE MET PER DSA INTERPRETATION 10-08 DSA/AC. SUCH CONDITIONS MUST BE CLEARLY DEMONSTRATED AND INDICATED IN THE SPECIFICATIONS:
- SUCH HARDWARE HAS A 'DOGGING' FEATURE
- IT IS DOGGED DURING THE TIME THE FACILITY IS OPEN.
- SUCH 'DOGGING' OPERATION IS PERFORMED ONLY BY EMPLOYEES AS THEIR JOB FUNCTION (NON-PUBLIC USE).

DIVISION 9 - FINISHES
09650 RESILIENT FLOORING:
RESILIENT FLOORING DEMONSTRATING A COEFFICIENT OF FRICTION OF AT LEAST 0.6 PER ASTM D2047, WILL BE ACCEPTED AS MEETING THE INTENT OF SLIP RESISTANCE.
09680 CARPETING:
CARPET SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL-CUT, OR LEVEL-CUT/UNCUT PILE TEXTURE AND MAXIMUM PILE HEIGHT OF 1/2" PER CBC SECTION 11B-302.2.
CARPET EDGES SHALL COMPLY WITH CBC 11B-303.

DIVISION 10 - SPECIALTIES
10155 TOILET COMPARTMENTS: CBC SECTION 11B-604.8.1.2
TOILET STALLS FOR DISABLED PERSONS SHALL HAVE SLIDE BOLT DOOR LATCH. U-SHAPE OR WIRE PULLS BOTH SIDES OF THE DOOR AND SELF-CLOSING HINGES. DOORS HARDWARE SHALL BE MOUNTED AT 34" MIN TO 44" MAX ABOVE FINISHED FLOOR. DOORS AT FRONT ENTRY STALLS SHALL HAVE 32" MINIMUM CLEAR WIDTH WHEN THE DOOR IS OPEN 90°. DOORS AT SIDE ENTRY STALLS SHALL HAVE 34" MINIMUM CLEAR WIDTH WHEN THE DOOR IS OPEN 90°.
10800 TOILET ACCESSORIES:
TOILET ACCESSORIES REQUIRED TO BE ACCESSIBLE SHALL BE MOUNTED AT HEIGHTS ACCORDING TO CBC SECTION 11B-213.3. THE GRAB BAR CAN NOT PROJECT MORE THAN 3" INTO THE 48" MINIMUM CLEAR SPACE IN FRONT OF THE WATER CLOSET 11B-604.6 / 11B-604.8.1.5 / 11B-604.8.2.3. TOILET PAPER AND FEMININE NAPKIN DISPENSERS LOCATED ON THE GRAB BAR SIDE OF AN ACCESSIBLE TOILET ROOM OR STALL SHALL PROJECT MORE THAN THE GRAB BAR. THE ACCESSORY SHALL NOT BE LOCATED CLOSER THAN 1 1/2" CLEAR OF THE TANGENT POINT OF THE GRAB BAR. ACCESSORIES SURFACE MOUNTED ABOVE GRAB BAR WILL RESTRICT USABILITY.

DIVISION 15 - MECHANICAL
15400 PLUMBING FIXTURES:
ACCESSIBLE PLUMBING FIXTURES SHALL COMPLY WITH ALL OF THE REQUIREMENTS OF CBC SECTION 11B-213.2 / 11B-603.2. HEIGHTS AND LOCATION OF ALL FIXTURES SHALL BE ACCORDING TO CBC TABLE 11B-604.9. FICTURE CONTROLS SHALL COMPLY WITH CBC SECTION 11B-213.2 / 11B-309.2

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
SYMBOLS LEGEND, ABBREVIATIONS & ADA SIGNAGE

C-33647
REN 01-31-2015

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
APP. FLS.
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-10-14

P.C. SHEET NUMBER
A-0.1

WINDOW SCHEDULE

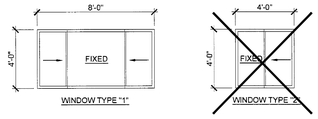
WINDOW NO.	QTY	TYPE	WIDTH	HEIGHT	FUNCTION	FRAME MATERIAL	GLASS MATERIAL	WALL THICKNESS	NOTES
A		1	8'-0"	4'-0"	XOX	ANOD	DP		
~~B~~		~~2~~	~~4'-0"~~	~~4'-0"~~	~~XO~~	~~ANOD~~	~~DP~~		

WINDOW FINISH

ANOD: CLEAR ANODIZED ALUMINUM FRAME
BRONZ: BRONZE ANODIZED ALUMINUM FRAME
PAINT: PAINTED FRAME
WF: 16GA WELDED FRAME
FRW: FIRE RATED WINDOW
FRAME: MIN 0.048" THICK WELDED FRAME
FRG: FIRE RATED GLAZING: 1/4" WIRED GLASS. LABELED TO MEET THE REQUIREMENTS FOR A 3/4 HOUR FIRE WINDOW ASSEMBLY PER CBC SECTION/TABLE 715.5

DP: 3/16" MINIMUM DUAL PANE TEMPERED GLASS OF SOLAR GRAY - 3/16" ENERGYSHIELD. ALL OPERABLE SASH SHALL HAVE SCREENS. (U-FACTOR = .510 MAX, VT = 0.500 MIN., SHGC = .350 MAX, STC = 36 MIN.)

WINDOW TYPE



DOOR SCHEDULE

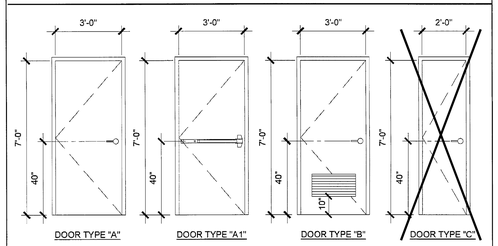
DOOR NO	WIDTH	HEIGHT	DOOR TYPE	QTY	DOOR MAT/FIN	FRAME MAT/FIN	HARDWARE SET	WALL THICKNESS	NOTES*
1	3'-0"	7'-0"	A		HM	KD	HW - 1	5 1/4"	
1P	3'-0"	7'-0"	A1		HM	KD	HW - 2	5 1/4"	
2	3'-0"	7'-0"	A		SCL	KD	HW - 3	5 1/2"	
~~3~~	~~3'-0"~~	~~7'-0"~~	~~B~~		~~HM~~	~~KD~~	~~HW - 4~~	~~4 7/8"~~	
4	3'-0"	7'-0"	B		HM	KD	HW - 5	4 7/8"	NO CLOSER REQ'D.
~~5~~	~~2'-0"~~	~~7'-0"~~	~~C~~		~~HM~~	~~KD~~	~~HW - 6~~	~~4 1/8"~~	

DOOR MATERIAL AND FINISH ABBREVIATIONS

HM: 18GA HOLLOW METAL
WF: 16GA WELDED FRAME
AL: ALUMINUM
SST: STAINLESS STEEL
KD: KNOCK DOWN FRAME
SCL: SOLID CORE WOOD LEGACY
HC: HOLLOW CORE WOOD
PT: PAINTED

*EXTERIOR DOORS TO BE UNINSULATED SINGLE LAYER DOORS W/ U-FACTOR OF 0.500 MAX

DOOR TYPES & NOTES



1. DOOR HANDLE FOR LOCKSETS AND PANIC HARDWARE TO BE CENTERED AT 40" AFF. HARDWARE TO BE OPENED FROM THE INSIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT. LEVERS TO RETURN TO WITHIN 1/2" OF DOOR.
2. ALL DOORS SHALL BE 1 3/4" THICK U.N.O.
3. CLOSER SHALL BE SET FOR MAXIMUM OPENING PRESSURE OF 5 LBS AT EXTERIOR AND INTERIOR DOORS.
4. PANIC HARDWARE IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER. CBC 1008.1.10
5. ALL HARDWARE SHALL COMPLY WITH SILVER CREEK'S SPEC'S ON THIS SHEET AND CBC SECTIONS 11B-206.5, 11B-404.1 AND 1008.
6. DOOR CLOSER SHALL BE ADJUSTED TO SO THAT FROM AN OPEN POSITION OF 70°, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3" FROM THE LATCH, MEASURED TO THE LANDING SIDE OF THE DOOR
7. PANIC AND FIRE EXIT HARDWARE. WHERE THIS TYPE HARDWARE IS INSTALLED, IT SHALL COMPLY WITH THE FOLLOWING:
   - THE ACTUATING PORTION OF THE RELEASING DEVICE SHALL EXTEND AT LEAST ONE-HALF OF THE DOOR LEAF WIDTH.
   - THE MAXIMUM UNLATCHING FORCE SHALL NOT EXCEED 5LBS PER THE 2013 CBC
   APPROVED BY AUTHORITY W/ JURISDICTION, PANIC HARDWARE SHALL COMPLY WITH CBC SECTION 1008.1.10
8. THE FIRE PROTECTION FOR EXTERIOR WALL IS DETERMINED BASED UPON THE FIRE SEPARATION DISTANCE IN WHICH THE WALL IS LOCATED. SEE CBC TABLE 705.8 OR TABLE 602

FINISH SCHEDULE

ROOM NAME	FLOORING		WALL FINISH				CEILING		
	FLOOR	BASE	FRONT	LEFT	REAR	RIGHT	CEILING	CEILING HT	NOTES
CLASSROOM 101	CARP	4" TS	TACK	TACK	TACK	TACK	CP	8'-6"	
~~CLASSROOM 102~~	~~CARP~~	~~4" TS~~	~~TACK~~	~~TACK~~	~~TACK~~	~~TACK~~	~~CP~~	~~8'-6"~~	
~~TOILET 103~~	~~SV~~	~~6" TS~~	~~FRP~~	~~FRP~~	~~FRP~~	~~FRP~~	~~CP~~	~~8'-0"~~	
~~GIRLS 104~~	~~SV~~	~~SC~~	~~FRP~~	~~FRP~~	~~FRP~~	~~FRP~~	~~GBP~~	~~8'-0"~~	
~~BOYS 105~~	~~SV~~	~~SC~~	~~FRP~~	~~FRP~~	~~FRP~~	~~FRP~~	~~GBP~~	~~8'-0"~~	
~~STAFF 106~~	~~SV~~	~~SC~~	~~FRP~~	~~FRP~~	~~FRP~~	~~FRP~~	~~GBP~~	~~8'-0"~~	
~~STAFF 107~~	~~SV~~	~~SC~~	~~FRP~~	~~FRP~~	~~FRP~~	~~FRP~~	~~GBP~~	~~8'-0"~~	
~~PLUMBING CHASE~~									

FLOOR, WALL, CEILING MATERIALS

FLOORING
CARP: CARPET PER STATE OF CALIFORNIA SPECIFICATIONS COMPLYING WITH GROUP 1; TYPE "A" OR TYPE "B"; CLASS 2; DENSITY 4600; DIRECT GLUE DOWN
SV: SHEET VINYL FLOORING
VCT: VINYL COMPOSITION TILE

BASE
4" TS: 4" TOP SET BASE
6" TS: 6" TOP SET BASE
SC: 6" SELF-COVE BASE

WALLS
TACK: 1/2" VINYL TACKBOARD CLASS 1 OVER ½" GYPSUM BOARD BACKING
FRP: 1/8" FIBER REINFORCED PANEL OVER ½" WATER RESISTANT GYPSUM BOARD
GYP: 1/2" GYPSUM BOARD; TAPE; TEXTURE; PAINTED FINISH
PLY: 1/2" PLYWOOD FINISH
NF: NO FINISH

CEILING
CP: ACOUSTICAL LAY IN GRID CEILING PANELS (SEE SPECIFICATION NOTES ON REFLECTED CEILING PLAN)
HC: 5/8" GYPSUM BOARD; TAPE; TEXTURE; PAINTED FINISH (HARD LID CEILING)
GBP: 1/2" GYPSUM BOARD WASHABLE PANELS (PAINTED)

INSULATION SPECIFICATIONS

MOISTURE PROTECTION INSULATION:

DESCRIPTION OF WORK: THE FURNISHING AND INSTALLING OF ALL INSULATION FOR ALL CEILING, FLOOR AREAS, AND EXTERIOR WALLS. (CLASS A = 0.25 FLAME SPREAD:) SMOKE DEVELOPMENT DENSITY LESS THAN 450.

MATERIAL: INSULATING MATERIAL FOR WALLS, CEILINGS, AND FLOORS SHALL BE FIBERGLASS BATTS (UNFACED) AND SHALL COMPLY WITH CBC 719.2+719.3. INSULATION SHALL BE AS MANUFACTURED BY OWENS-CORNING FIBERGLASS CORPORATION, JOHNS-MANVILLE, CERTAINTIES, OR EQUAL.

INSULATION VALUES
SEE SHEETS A-0.7 FOR MINIMUM REQUIRED INSULATION VALUES FOR SPECIFIC BUILDING SIZE AND CONFIGURATION.

EXTERIOR WALL INSULATION (MIN.)
- ☐ R-13 (2x4)
- ☒ R-19 (2x6)
- ☐ R-30 (2x8)

INTERIOR WALL INSULATION (MIN.)
R-13

FLOOR INSULATION (MIN.)
- ☒ NONE
- ☐ R-13
- ☐ R-19

ROOF INSULATION (MIN.)
- ☐ R-19
- ☒ R-30
- ☐ R-38
- ☐ R-19 BETWEEN JOISTS AND R-19 BELOW JOISTS

STEEL STUD EXTERIOR WALL
- ☐ R-13 (2X4) W/ R-4 CONT. RIGID INSULATION

FINISH NOTES

1. ALL FINISHES SHALL COMPLY WITH CBC, CFC AND TITLE 19 CCR.
2. PREPARATION FOR SUB-FLOOR TO ACCEPT FINISH FLOORING IS BY FLOORING CONTRACTOR. PLYWOOD SUB-FLOOR IS 2.4.1. PLYWOOD. OUTER PLYWOOD IS PLUGGED AND TOUCH SANDED. ANY DEFORMITIES DUE TO STANDARD CONSTRUCTION PRACTICES SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR. THE JOINT AT THE MODLINE SHALL NOT BE LARGER THAN 1/8" AND SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR.
3. RESILIENT FLOORING DEMONSTRATING A COEFFICIENT OF FRICTION OF AT LEAST 0.6 PER ASTM D2047, WILL BE ACCEPTED AS MEETING THE INTENT OF SLIP RESISTANCE.
4. CARPET SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT, OR LEVEL CUT / UNCUT PILE TEXTURE AND MAXIMUM PILE HEIGHT OF 1/2" PER THE 2013 CBC. CARPET EDGED SHALL COMPLY WITH THE 2013 CBC
5. INTERIOR WALL AND CEILING FINISHES SHALL HAVE A MIN. CLASS 'C' RATING. FLAME SPREAD INDEX 76-200 & SMOKE DEVELOPED INDEX 0-450 PER 2013 CBC 803.

DOOR HARDWARE

CLASSROOM - EXTERIOR DOOR HW-1

LOCKSET	SCHLAGE ND75PDRHO626 (cylindrical)	Finish 26D	or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 26D	or equal
CLOSER	NORTON 8501 BFDA	Finish 689	or equal
WEATHER STRIP	HAGER 891SAV 3684	Finish Alum	or equal
THRESHOLD	HAGER 413SA 36	Finish Alum	or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum	or equal

DOOR W/ PANIC HARDWARE - EXTERIOR DOOR HW-2

EXIT DEVICE	VON DUPRIN 99L-PA-2 w/ SCHLAGE rim cylinder	Finish Alum	or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 26D	or equal
CLOSER	NORTON 8501 BFDA	Finish 689	or equal
WEATHER STRIP	HAGER 891SAV 3684	Finish Alum	or equal
THRESHOLD	HAGER 413SA 36	Finish Alum	or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum	or equal

Lock should allow op
EMERGENCY EXIT AND PANIC HARDWARE IS TO COMPLY WITH SFM STANDARD 12-10-3, SECTION 12-10-302:
a) THE CROSS BAR SHALL EXTEND ACROSS NOT LESS THAN ONE-HALF THE WIDTH OF THE DOOR/GATE.
d) THE ENDS OF THE CROSS-BAR SHALL BE CURVED, GUARDED OR OTHERWISE DESIGNED TO PREVENT CATCHING ON THE CLOTHING OF PERSONS DURING EGRESS.

STAFF RESTROOM / SINGLE-OCCUPANCY - INTERIOR DOOR HW-3

LOCKSET	SCHLAGE ND40SRHO626 (cylindrical)	Finish 26D	or equal
BUTTS	HAGER 1279 4 1/2" x 4 1/2"	Finish 26D	or equal

BOYS & GIRLS RESTROOM - EXTERIOR DOOR HW-4

LOCKSET	SCHLAGE ND70PDRHO626 (cylindrical)	Finish 26D	or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 26D	or equal
CLOSER	NORTON 8501 BFDA (OPTIONAL)	Finish 689	or equal
WEATHER STRIP	HAGER 891SAV 3684	Finish Alum	or equal
THRESHOLD	HAGER 413SA 36	Finish Alum	or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum	or equal
LOUVER	ANEMO 24 x 12	Finish Bronze	or equal

STAFF RESTROOM - EXTERIOR DOOR HW-5

LOCKSET	SCHLAGE ND85PDRHO626 (cylindrical)	Finish 26D	or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 26D	or equal
WEATHER STRIP	HAGER 891SAV 3684	Finish Alum	or equal
THRESHOLD	HAGER 413SA 36	Finish Alum	or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum	or equal
LOUVER	ANEMO 24 x 12	Finish Bronze	or equal

PLUMBING CHASE DOOR - INTERIOR DOOR HW-6

LOCKSET	SCHLAGE ND70PDRHO626 (cylindrical)	Finish 26D	or equal
BUTTS	HAGER BB1191 4 ½" x 4 ½" NRP	Finish 26D	or equal

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
SCHEDULES

LICENSED ARCHITECT
PATRICK A. MIVELLE
C-33467
REN 01-31-2015
STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

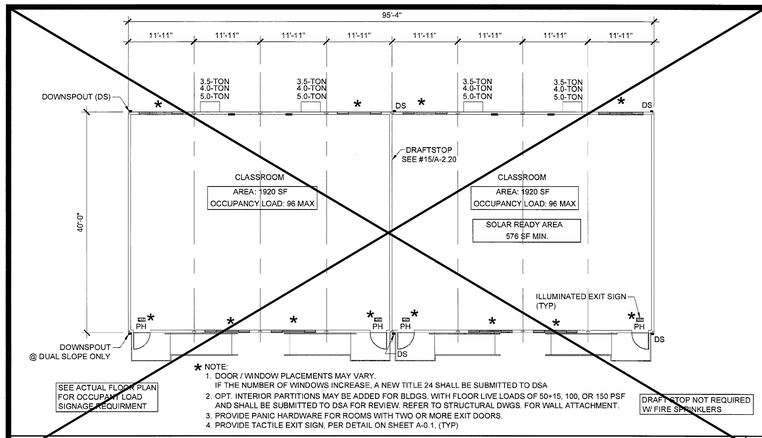
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC FLS SS
DATE APR 1 4 2015

REVISIONS
1
2
3
4
5
6
7
8

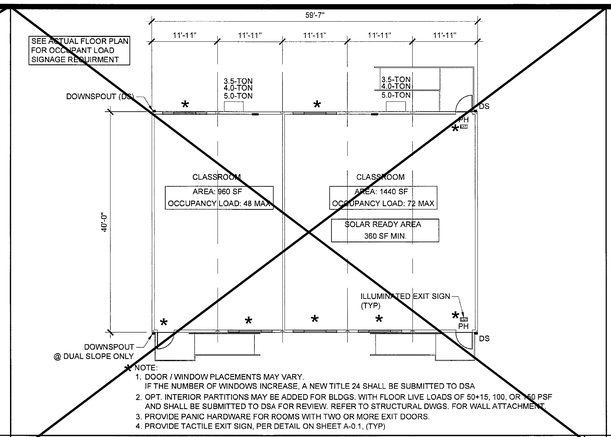
SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	09-10-14

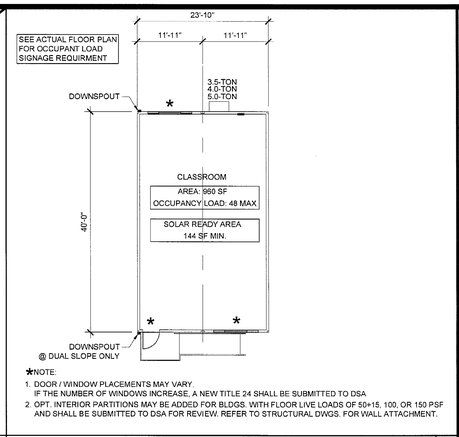
P.C. SHEET NUMBER
A-0.2



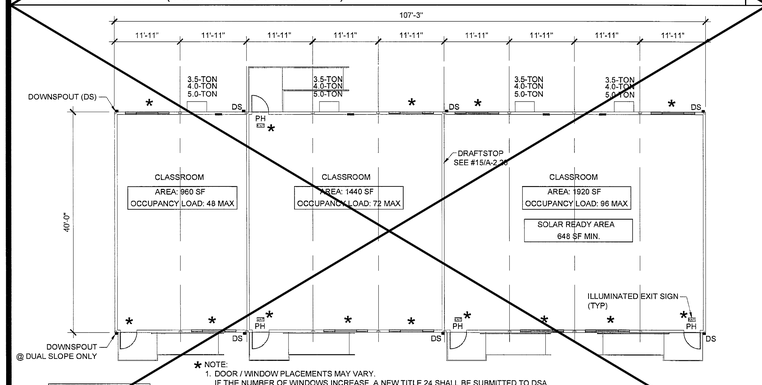
90' x 40' KEY PLAN (TOTAL AREA - 3840 SF) SCALE: 3/32" = 1' - 0" 7



60' x 40' KEY PLAN (TOTAL AREA - 2400 SF) SCALE: 3/32" = 1' - 0" 4



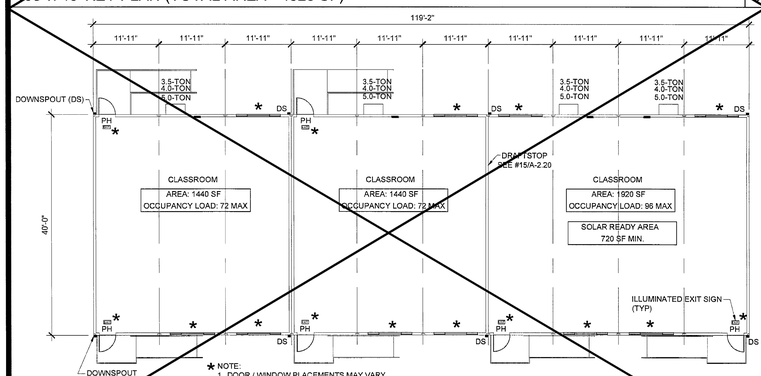
24' x 40' KEY PLAN (TOTAL AREA - 960 SF) SCALE: 3/32" = 1' - 0" 1



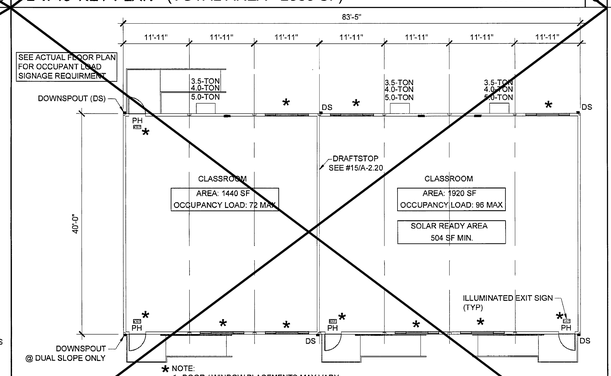
108' x 40' KEY PLAN (TOTAL AREA - 4320 SF) SCALE: 3/32" = 1' - 0" 8

72' x 40' KEY PLAN (TOTAL AREA - 2880 SF) SCALE: 3/32" = 1' - 0" 5

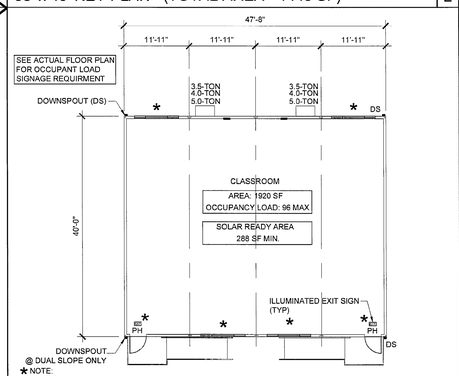
36' x 40' KEY PLAN (TOTAL AREA - 1440 SF) SCALE: 3/32" = 1' - 0" 2



120' x 40' KEY PLAN (TOTAL AREA - 4800 SF) SCALE: 3/32" = 1' - 0" 9



84' x 40' KEY PLAN (TOTAL AREA - 3360 SF) SCALE: 3/32" = 1' - 0" 6



48' x 40' KEY PLAN (TOTAL AREA - 1920 SF) SCALE: 3/32" = 1' - 0" 3

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
TYPICAL KEY PLANS
24' - 120' x 40'

LICENSED ARCHITECT
PAUL A. SHIMEK
C-33487
REN 01-31-2015
STATE OF CALIFORNIA

ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
A FLS SS
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	09-10-14

P.C. SHEET NUMBER
A-0.3

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD — NRCC-PRF-01-E — Page 1 of 6

Project Name: 24 x 40 SD PC — Calculation Date/Time:

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC — Input File Name:

A. GENERAL INFORMATION

01	Project Address	ZONE 14	21	Compliance Software	CBECC-Com 2013.3a (597)
02	City	ZONE 14	22	Compliance Manager Version	BEMCompMgr 2013.3a (597)
03	Zip code		23	Rule Set Filename	CA 2013 Nonresidential, Vers 2.0 (CEC 1273 Verified.RS)
04	Climate Zone	CZ<ruleZone14	24	Building Type	NonresAnnRet
05	Building Front Orientation	270	25	Construction Type	
06	Number of Above Grade Stories	1	26	North Wall Area (SF)	264
07	Number of Below Grade Stories	0	27	East Wall Area (FT2)	140
08	Number of Dwelling Units	0	28	South Wall Area (SF)	264
09	Total Conditioned Floor Area (SF)	900	29	West Wall Area (SF)	443
10	Total Unconditioned Floor Area (SF)		30	Total Exterior Wall Area (SF)	1,400
11	Addition Conditioned Floor Area (SF)		31	North Glazing Area (SF) / Glazing Ratio	321 / 12%
12	Addition Unconditioned Floor Area(SF)		32	East Glazing Area (SF) / Glazing Ratio	0 / 0%
13	Number of Thermal Zones	1	33	South Glazing Area (SF) / Glazing Ratio	321 / 12%
14	Number of Thermal Zones Conditioned	1	34	West Glazing Area (SF) / Glazing Ratio	0 / 0%
15	Number of AirSystems	1	35	Total Glazing Area (SF) / Glazing Ratio	641 / 0%
16	Number of Zonal Systems	0	36	Roof Area (SF)	900
17	Number of Towntual Units	0	37	Skylight/Roof Ratio	0 / 0%
18			38		
19			39		
20			40		

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD — NRCC-PRF-01-E — Page 2 of 6

Project Name: 24 x 40 SD PC — Calculation Date/Time:

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC — Input File Name:

B. COMPLIANCE RESULTS

01	BUILDING COMPLIES
02	Special Features are Required - TBD
03	HERS Verification Is Required - TBD

ANNUAL TDV ENERGY USE SUMMARY (kBtu/ft2/yr)

Energy Component	04 Standard Design	05 Proposed Design	06 Compliance Margin	07 Percent Better than Standard*
Space Heating	38.2	37.3	1.0	1.9%
Space Cooling	207.9	262.8	-55.0	-26.5%
Indoor Fans	143.6	84.5	59.1	41.2%
Heat Rejection	–	–	–	–
Pumps & Misc.	–	–	–	–
Domestic Hot Water	–	–	–	–
Lighting	52.1	24.5	27.6	53.0%
COMPLIANCE TOTAL	501.5	409.2	19.8	6.3%
Receptacle	66.8	66.8	–	0.0%
Process	–	–	–	–
Process Lighting	–	–	–	–
TOTAL	568.4	528.8	–	6.9%

C. OCCUPANCY SUMMARY INFORMATION -

01 Occupancy Type	02 Floor Area	03 Installed Lighting Power	04 Lighting Control Credits	05 General Lighting Power Allowance	06 Allowed (Baseline) Lighting Power Additional (Core Jam) Allowances: Area Category	Tailored Method	Total Allowed Lighting Power
	(ft2)	(W/sq)	(W/sq)	(W/sq)	(W/sq)	(W/sq)	(W/sq)
Classroom, Lecture, Training, Vocational Area	960	744	108	1,452			1,452

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD — NRCC-PRF-01-E — Page 3 of 6

Project Name: 24 x 40 SD PC — Calculation Date/Time:

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC — Input File Name:

D. ENVELOPE SUMMARY INFORMATION

01 Surface Name	02 Surface Type	03 U-Factor / F-Factor / C-Factor	04 Assembly Layers	05 Framing Type	06 Framing Spacing	07 R-value	08 Certified Cool Roof
SCI ROOF	Roof	U-0.05	Metal Standing Seam - Vert +, Rigid Sheathing Board - 4.0 IMP - 1.5 in. Plywood - 3/4 in. Composite Framing Air - Cavity - Wall Roof Ceiling - 4 in. or more Asphalt/ Tile - <2 in.	Metal	Roof24inOC	R-0.0 R-4.0 R-0.94 R-0.08 Cav'ty R-0.92 R-1.30	
SCI PLYWD FLOOR	Exterior Floor	U 0.07	Air - Cavity - Wall Roof Ceiling - 4 in. or more Composite Framing Plywood - 1 in. Carpet - 3/4 in.	Metal	Floor24inOC	R-0.92 R-19 Cav'ty R-1.25 R-2.39	
3rd TYPI WALL	Exterior Wall	U-0.08	Wood siding - 1/2 in. Stucco and - plastic film - 1/16 in. Composite Framing Polyiso Board - 1.0 in. Acoustic Tile - <2 in.	Wood	Wall16inOC	R-0.3 R-0.65 R-19 Cav'ty R-0.47 R-1.26	

E. FENESTRATION SUMMARY INFORMATION

01 Name	02 Fenestration Type	03 Certification Method	04 Assembly Method Manufactured	05 Frame Type	06 U-value	07 SHGC	08 VT
SCI - IWC 0350 - SLIDER - 5090 (CLR	Sliding	NFRC Rated	Manufactured	- specify -	0.51	0.35	0.63

F. MECHANICAL SYSTEM SUMMARY INFORMATION

01	02	03	04 Cooling					05 Heating					
Equipment Name	Equipment Type	Qty	Type	SEER	EER	Rated Output kBtu/h	Type	AFUE	HSPF	Thermal Eff.	Rated Output kBtu/h	Supplemental Heat Source	Supplemental Heat Output kBtu/h
AirSystem 1	SZHP	1	Direct Ex pansion	13.0	9.0	50	HeatPump				30.2		

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD — NRCC-PRF-01-E — Page 4 of 6

Project Name: 24 x 40 SD PC — Calculation Date/Time:

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC — Input File Name:

G. MECHANICAL SYSTEM ECONOMIZER AND FAN SUMMARY INFORMATION

01	02	03 Outside Air	04 Supply Fan				05 Return Fan			
Equipment Name	EconomizerType	CFM	CFM	HP	BHP	Control	CFM	HP	BHP	Control
AirSystem 1	NoEconomizer	720	1970.0	5.75	0.73	ConstantVolume				

H. CHILLER SUMMARY INFORMATION

Not Applicable

I. COOLING TOWER SUMMARY INFORMATION

Not Applicable

J. BOILER SUMMARY INFORMATION

Not Applicable

K. CENTRAL MECHANICAL SYSTEM - PUMP SUMMARY INFORMATION

Not Applicable

L. TERMINAL UNIT SUMMARY INFORMATION

Not Applicable

L-A. ZONAL SYSTEM SUMMARY INFORMATION

Not Applicable

M-1. DHW SUMMARY INFORMATION: PLUMBING SYSTEMS

Not Applicable

M-2. DHW SUMMARY INFORMATION: RECIRCULATION DHW SYSTEMS

Not Applicable

N. EXCEPTIONAL CONDITIONS COMPLIANCE CHECKLIST

CERTIFICATE OF COMPLIANCE - RESIDENTIAL PERFORMANCE COMPLIANCE METHOD — NRCC-PRF-01-E — Page 5 of 6

Project Name: 24 x 40 SD PC — Calculation Date/Time:

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC — Input File Name: -

Not Applicable.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD — NRCC-PRF-01-E — Page 6 of 6

Project Name: 24 x 40 SD PC — Calculation Date/Time:

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC — Input File Name:

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ryn McIntosh	Documentation Author Signature:
Company: Silver Creek	Signature Date: 12/30/14
Address: 2830 Barrett Ave - Perris CA 92571	CEA/ HERS Number (if applicable):
City/State/Zip:	Phone: 951 943 5393

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:
1. I am the person responsible for the preparation of this document as defined in Division 5 of the Business and Professions Code and I am licensed in the State of California under Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation, and that I am licensed in the State of California under Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation, and that I am a licensed contractor performing this work.
2. I affirm that I am eligible under Division 3 of the Business and Professions Code to sign this document because it pertains to a structure of type of work classified as exempt pursuant to Business and Professions Code Sections 5537, 5538 and 6737.1.

Building Owner's Name: SUSAN ERICK	Building Owner's Signature:
Address: 2530 Iris Hill Ave - Perris CA 92571	Date Signed: 12/30/14
City/State/Zip:	Phone: 951-347-6383
Responsible Designer Name: Shiloy Crook	Responsible Designer Signature:
Company: Silver Creek	Date Signed: 12/30/14
Address: 2530 Barrett Ave - Perris CA 92571	License:
City/State/Zip:	Phone: 951 943 5393
Responsible Lighting Designer Name: Silver Crook	Responsible Lighting Designer Signature:
Company: Silver Creek	Date Signed: 12/30/14
Address: 2530 Barrett Ave - Perris CA 92571	License:
City/State/Zip:	Phone: 951 943 5393
Responsible Mechanical Designer Name: Silver Creek	Responsible Mechanical Designer Signature:
Company: Silver Creek	Date Signed: 12/30/14
Address: 2530 Barrett Ave - Perris CA 92574	License:
City/State/Zip:	Phone: (951 943-5393

Lydia Barron

Digitally signed by Lydia Barron
DN: cn=California, l=Sacramento, o=California Department of General Services, ou=Division of the State Architect, ou=www.verisign.com/repository/CPS Incorp. by Ref.LIAB.LTD(c)99, title=Architectural Associate, cn=Lydia Barron, email=lydia.barron@dgs.ca.gov
Date: 2015.02.26 15:22:30 -08'00'

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
ENERGY CALC'S.
PRF FORMS
ZONE 14 WORST CASE

REGISTERED PROFESSIONAL ENGINEER — C-33467 — REN 01-31-2015 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT NOT TO BE USED FOR PERMIT, A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC ___ ELS ___ SS ___
DATE APR 14 2015

REVISIONS

1	
2	
3	
4	
5	
6	
7	
8	

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	09-10-14

P.C. SHEET NUMBER
A-0.5A

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD — NRCC-PRF-01-E
Project Name: 24 x 40 SCI PC — Calculation Date/Time: — Page 1 of 6
Compliance Scope: New Complete Building including Envelope, Lighting and HVAC — Input File Name:

A. GENERAL INFORMATION

01	Project Address	CZ06 TS	21	Compliance Software	SOECDC Gen 2013-3.2a (EST)
02	City	CZ06 TS	22	Compliance Manager Version	SOECMV.exe Vrsn 2013.3a (EST)
03	Zip code		23	Rule Set Filename	CA 2013 Nonresidential. Vers. 2.0 (CEC 2013 Rulesets.fes)
04	Climate Zone	Climate Zone(s)	24	Building Type	Nonresidential
05	Building Front Orientation	0	25	Construction Type	
06	Number of Above Grade Stories	1	26	North Wall Area (SF)	264
07	Number of Below Grade Stories	0	27	East Wall Area (FT2)	440
08	Number of Dwelling Units	0	28	South Wall Area (SF)	264
09	Total Conditioned Floor Area (SF)	960	29	West Wall Area (SF)	440
10	Total Unconditioned Floor Area (SF)		30	Total Exterior Wall Area (SF)	1,408
11	Addition Conditioned Floor Area (SF)		31	North Glazing Area (SF) / Glazing Ratio	32 / 12%
12	Addition Unconditioned Floor Area (SF)		32	East Glazing Area (SF) / Glazing Ratio	0 / 0%
13	Number of Thermal Zones	1	33	South Glazing Area (SF) / Glazing Ratio	32 / 12%
14	Number of Thermal Zones (conditioned)	1	34	West Glazing Area (SF) / Glazing Ratio	0 / 0%
15	Number of Air Systems	1	35	Total Glazing Area (SF) / Glazing Ratio	64 / 5%
16	Number of Zonal Systems	0	36	Roof Area (SF)	960
17	Number of Terminal Units	0	37	Skylight Area (SF) / Skylight-to-Roof Ratio	0 / 0%
18			38		
19			39		
20			40		

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD — NRCC-PRF-02-E
Project Name: 24 x 40 SCI PC — Calculation Date/Time: — Page 2 of 6
Compliance Scope: New Complete Building including Envelope, Lighting and HVAC — Input File Name:

B. COMPLIANCE RESULTS

01	BUILDING COMPLIES			
02	Special Features are Required: YES!			
03	HERS Verification is Required: YES!			
	ANNUAL TDV ENERGY USE SUMMARY (kBtu/sf/yr)			
	04	05	06	07
Energy Component	Standard Design	Proposed Design	Compliance Margin	Percent Better than Standard
Space Heating	20.4	30.6	-10.2	-50.1%
Space Cooling	268.5	334.7	-66.2	-24.7%
Indoor Fans	134.7	62.3	72.3	53.8%
Heat Rejection	–	–	–	–
Pumps & Misc.	–	–	–	–
Domestic Hot Water	–	–	–	–
Lighting	62.5	24.6	29.0	53.3%
COMPLIANCE TOTAL	486.1	472.3	13.8	2.8%
	–	–		–
Receptacle	66.6	66.6		0.0%
Process	–	–		–
Process Lighting	–	–		–
TOTAL	552.7	538.9		2.5%

C. OCCUPANCY SUMMARY INFORMATION -

01	02	03	04	05	06	07	08
				Allowed (Baseline) Lighting Power			
				Additional (Exterior) Allowances			
Occupancy Type	Floor Area (ft2)	Installed Lighting Power (Watts)	Lighting Control Credits	General Lighting Power Allowance (Watts)	Area Category (Watts)	Tailored Method (Watts)	Total Allowed Lighting Power (Watts)
Classrooms, Lecture, Training, Vocational Areas	960	744	192	1,152			1,152

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD — NRCC-PRF-03-E
Project Name: 24 x 40 SCI PC — Calculation Date/Time: — Page 3 of 6
Compliance Scope: New Complete Building including Envelope, Lighting and HVAC — Input File Name:

D. ENVELOPE SUMMARY INFORMATION

01	02	03	04	05	06	07	08
			Assembly Layers				
Surface Name	Surface Type	U-Factor / F Factor / C Factor		Framing Type	Framing Spacing	R-value	Certified Cool Roof
SCI ROOF	Roof	U-0.05	Metal Standing Seam - 1/16 in. Fiber-cement board - 63 lb/ft3 - 1/5 in. Air - Cavity - Wood Framed Composite Fiberglass Air - Cavity - Wood Roof Ceiling - 4 in. or more Acoustic Tile - 1/2 in.	Metal	Wood/24inOC	R-0 R-0.04 R-19 R-30 Cavity R-0.92 R-1.70	
NO PLYWD FLOOR	ExteriorFloor	U-0.05	Air - Cavity - Wood Roof Ceiling - 4 in. or more Composite Fiberwig Plywood - 1 in. Carpet - 3/4 in.	Metal	Floor/24inOC	R-0.92 R-30 Cavity R-1.05 R-0.98	
2x4 T111 WALL	ExteriorWall	U-0.05	Wood Siding - 1/2 in. Vapor Barr - plastic film - 1/16 in. Composite Fiberwig Gypsum Board - 1/2 in. Acoustic Tile - 1/2 in.	Wood	Wall/16inOC	R-0.8 R-0.63 R-13 Cavity R-0.45 R-0.21	

E. FENESTRATION SUMMARY INFORMATION:

01	02	03	04	05	06	07	08
Name	Fenestration Type	Certification Method	Assembly Method	Frame Type	U-value	SHGC	VT
SCI - VAC 6700 - ELECTR - 5960 / CLR	Sliding	NFRC Rated	Manufactured	- Vinyl -	0.65	0.25	0.63

F. MECHANICAL SYSTEM SUMMARY INFORMATION

01	02	03	04					05				
			Cooling					Heating				
Equipment Name	Equipment Type	Qty	Type	SEER	EER	Rated Output kBtuh	Type	AFUE	HSPF	Thermal Eff.	Rated Output kBtuh	Supplemental Heat Source
Airsystem 1	SZHP	1	Climate Central	13.0	8.9	63	HeatPump				50.2	

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD — NRCC-PRF-04-E
Project Name: 24 x 40 SCI PC — Calculation Date/Time: — Page 4 of 6
Compliance Scope: New Complete Building including Envelope, Lighting and HVAC — Input File Name:

G. MECHANICAL SYSTEM ECONOMIZER AND FAN SUMMARY INFORMATION

01	02	03	04					05			
		Outside Air	Supply Fan					Return Fan			
Equipment Name	Economizer Type	CFM	CFM	HP	DHP	Control		CFM	HP	DHP	Control
Airsystem 1	NoEconomizer	720	1872.9	0.75	0.75	CreditsVAV, one					

H. CHILLER SUMMARY INFORMATION

Not Applicable

I. COOLING TOWER SUMMARY INFORMATION

Not Applicable

J. BOILER SUMMARY INFORMATION

Not Applicable

K. CENTRAL MECHANICAL SYSTEM - PUMP SUMMARY INFORMATION

Not Applicable

L. TERMINAL UNIT SUMMARY INFORMATION

Not Applicable

M. ZONAL SYSTEM SUMMARY INFORMATION

Not Applicable

M-1. GHP SUMMARY INFORMATION FLUID SYSTEMS

Not Applicable

M-2. GSHP SUMMARY INFORMATION RECIRCULATION DHW SYSTEMS

Not Applicable

N. EXCEPTIONAL CONDITIONS COMPLIANCE CHECKLIST

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD — NRCC-PRF-05-E
Project Name: 24 x 40 SCI PC — Calculation Date/Time: — Page 5 of 6
Compliance Scope: New Complete Building including Envelope, Lighting and HVAC — Input File Name:

Not Applicable

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD — NRCC-PRF-06-E
Project Name: 24 x 40 SCI PC — Calculation Date/Time: — Page 6 of 6
Compliance Scope: New Complete Building including Envelope, Lighting and HVAC — Input File Name:

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: JOSEPH CHECK	Documentation Author Signature:
Company: SILVER CREEK	Signature Date: 12/30/14
Address: 2830 Barrett Ave - Perris CA 92571	CEA Identification (if applicable):
City/State/Zip:	Phone: (951) 943-5393

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify by my signature below that I am the person responsible for the design of the building systems listed on this Certificate of Compliance and that:

1. I certify all of the following that apply to me:
   - I am a licensed engineer, and the building systems listed on this Certificate of Compliance are within the scope of my license.
   - I am a licensed architect, and the building systems listed on this Certificate of Compliance are within the scope of my license.
   - I am a licensed contractor, and the building systems listed on this Certificate of Compliance are within the scope of my license.
   - I am an employee with sufficient training and experience in the relevant disciplines to certify compliance of the building systems listed on this Certificate of Compliance.
   - I am an owner of the building and am exempt from the requirements for certification by a licensed professional or certified HERS rater under Section 10-103(a) of the Public Resources Code.
   - I am an owner of the building and am hiring licensed professionals or certified HERS raters for the design and compliance documentation of the building systems listed on this Certificate of Compliance.
   - I am the builder of the building and am hiring licensed professionals or certified HERS raters for the design and compliance documentation of the building systems listed on this Certificate of Compliance.
   - I am a building official, and I have received this Certificate of Compliance for my jurisdiction.
2. I certify that I am eligible under the provisions of Section 5537 of the Business and Professions Code to prepare the portions of the plans that I am responsible for, and that I have prepared those portions of the plans in accordance with that Section.
3. I certify that I am eligible under Division 3 of the Business and Professions Code to sign this document, as it pertains to my area of expertise.
4. I certify that I have registered with CEA as an HERS rater, that CEA has not removed my registration, and that I am authorized to sign this document.

Building Owner's Name: JOSEPH CHECK	Building Owner Signature:
Address: 2830 Barrett Ave - Perris CA 92571	Date Signed: 12/30/14
City/State/Zip:	Phone: (951) 943-5393
Responsible Designer Name: Ryan Mahrdt	Responsible Designer Signature:
Company: SILVER CREEK	Date Signed: 12/30/14
Address: 2830 Barrett Ave - Perris CA 92571	License:
City/State/Zip:	Phone: (951) 943-5393
Responsible Lighting Designer Name: JOSEPH CHECK	Responsible Lighting Designer Signature:
Company: SILVER CREEK	Date Signed: 12/30/14
Address: 2830 Barrett Ave - Perris CA 92571	License:
City/State/Zip:	Phone: (951) 943-5393
Responsible Mechanical Designer Name: JOSEPH CHECK	Responsible Mechanical Designer Signature:
Company: SILVER CREEK	Date Signed: 12/30/14
Address: 2830 Barrett Ave - Perris CA 92571	License:
City/State/Zip:	Phone: (951) 943-5393

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
ENERGY CALC'S.
PRF FORMS
ZONE 15 WORST CASE

LICENSED ARCHITECT — LYDIA BARRON — C-33467 — REN 01-31-2015 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT ONLY - NOT TO BE USED AS A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED!!

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC. — FLS — SS
DATE APR 14 2015

REVISIONS

1	
2	
3	
4	
5	
6	
7	
8	

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	09-10-14

P.C. SHEET NUMBER
A-0.5B

Lydia Barron

Digitally signed by Lydia Barron
DN: dn=California, l=Sacramento, o=California Department of General Services, ou=Division of the State Architect, ou=www.versign.com/repository/CPS Incorp. by Ref. LIAB.LTD(c)99, title=Architectural Associate, cn=Lydia Barron, email=lydia.barron@dgs.ca.gov
Date: 2015.02.26 10:23:26 -08'00'

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD — NRCC-PRF-01-E

Project Name: 24 x 40 SCI PC — Calculation Date/Time: — Page 1 of 6

Compliance Scope: New Complete Building inducing Envelope, Lighting and HVAC — Input File Name:

A. GENERAL INFORMATION

01	Project Address	ZONE 16	21	Compliance Software	CBECC-Com 2013.3a (ERT)
02	City	ZONE 16	22	Compliance Manager Version	BEMAnyMgr 2013.3a (ERT)
03	Zip code		23	Rule Set Filename	CA 2013 Mandatory.txt, Vers. 2.6 (CCC 2013 rev.Nov.14)
04	Climate Zone	ClimateZone16	24	Building Type	Nonresidential
05	Building Front Orientation	330	25	Construction Type	
06	Number of Above Grade Stories	1	26	North Wall Area (ft²)	264
07	Number of Below Grade Stories	0	27	East Wall Area (ft²)	440
08	Number of Dwelling Units	0	28	South Wall Area (ft²)	264
09	Total Conditioned Floor Area (ft²)	960	29	West Wall Area (ft²)	440
10	Total Unconditioned Floor Area (ft²)		30	Total Exterior Wall Area (ft²)	1,408
11	Addition Conditioned Floor Area (ft²)		31	North Glazing Area (ft²) / Glazing Ratio	32 / 12%
12	Addition Unconditioned Floor Area (ft²)		32	East Glazing Area (ft²) / Glazing Ratio	0 / 0%
13	Number of Thermal Zones	1	33	South Glazing Area (ft²) / Glazing Ratio	32 / 12%
14	Number of Thermal Zones (conditioned)	1	34	West Glazing Area (ft²) / Glazing Ratio	0 / 0%
15	Number of AV Systems	1	35	Total Glazing Area (ft²) / Glazing Ratio	64 / 5%
16	Number of Zonal Systems	0	36	Roof Area (ft²)	960
17	Number of Terminal Units	0	37	Skylight Area (ft²) / Skylight-Roof Ratio	0 / 0%
18			38		
19			39		
20			40		

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD — NRCC-PRF-01-E

Project Name: 24 x 40 SCI PC — Calculation Date/Time: — Page 2 of 6

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC — Input File Name:

B. COMPLIANCE RESULTS

01	BUILDING COMPLIES			
02	Special Features are Required - TBD			
03	HERS Verification is Required - TBD			
	ANNUAL TDV ENERGY (kBtu/ft²/yr) SUMMARY			
	04	05	06	07
Energy Component	Standard Design	Proposed Design	Compliance Margin	Percent Better than Standard
Space Heating	258.1	277.2	-19.1	-19.4%
Space Cooling	96.8	171.0	-74.2	-21.5%
Indoor Fans	159.9	81.9	81.1	43.5%
Heat Rejection	–	–	–	–
Pumps & Misc.	–	–	–	–
Domestic Hot Water	–	–	–	–
Lighting	511.6	313	27.2	53.5%
COMPLIANCE TOTAL	527.4	518.9	26.1	4.7%
Lighting				4.7%
Receptacle	66.8	66.8		0.0%
Process	–	–		–
Process Lighting	–	–		–
TOTAL	666.2	578.1		4.2%

C. OCCUPANCY SUMMARY INFORMATION –

01	02	03	04	05	06	07	08
				Allowed (Baseline) Lighting Power			
				Additional (Outdoor) Allowances			
Occupancy Type	Floor Area (ft2)	Installed Lighting Power (Watts)	Lighting (general) Credits (Watts)	General Lighting Power Allowance (Watts)	Area Category (Watts)	Tailored Method (Watts)	Total Allowed Lighting Power (Watts)
Classrooms, Lecture, Training, Vocational Areas	960	744	558	1,302			1,302

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD — NRCC-PRF-01-E

Project Name: 24 x 40 SCI PC — Calculation Date/Time: — Page 3 of 6

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC — Input File Name:

D. ENVELOPE SUMMARY INFORMATION

01	02	03	04	05	06	07	08
			Assembly Layers				
Surface Name	Surface Type	Solar Reflectance / Emittance / Fall Factor		Framing Type	Framing Spacing	R-value	Certified Cool Roof
SCI ROOF	Roof	U-0.08	Metal Standing Seam - 1/16 in. Fiberglass Batt Insul - R3.5/R3 - 1/2 in. Plywood - 3/4 in. Composite Framing Air - Cavity - Wall Roof Ceiling - 4 in. or more Acoustic Tile - 1/2 in.	Metal	Roof24inOC	R-0.54 R-30 R-0.94 R-30 Cavity R-0.82 R - 30	
SCI FLYING FLOOR	Exterior Floor	U-0.06	Air - Cavity - Wall Roof Ceiling - 4 in. or more Composite Framing Carpet - 3/4 in.	Metal	Floor24inOC	R-0.92 R-30 Cavity R-1.23 R-0.34	
2x6 11 61 WALL	Exterior Wall	U-0.06	Wood Siding - 1/2 in. Vapor seal - plastic film - 5/16 in. Composite Framing Gypsum Board - 1/2 in. Acoustic Tile - 1/2 in.	Wood	Wall16inOC	R-0.8 R-0.81 R-13 Cavity R-0.45 R-1.26	

E. FENESTRATION SUMMARY INFORMATION

01	02	03	04	05	06	07	08
Name	Fenestration Type	Certification Method	Assembly Method	Frame Type	U-value	SHGC	VT
SCI - WIC 4205 - SLIDER - DD901 CLR	Sliding	NFRC Rated	Manufactured	- specify -	0.61	0.25	0.33

F. MECHANICAL SYSTEM SUMMARY INFORMATION

01	02	03	04					05					
			Cooling					Heating					
Equipment Name	Equipment Type	Qty	Type	SEER	EER	Rated Output kBtu/h	Type	AFUE	HSPF	Thermal Eff.	Rated Output kBtu/h	Supplemental Heat Source	Supplemental Rated Output kBtu/h
AVSystem 1	SZAC	1	Double Deck	13.0	9.5	51	Furnace				66.0		

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD — NRCC-PRF-01-E

Project Name: 24 x 40 SCI PC — Calculation Date/Time: — Page 4 of 6

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC — Input File Name:

G. MECHANICAL SYSTEM ECONOMIZER AND FAN SUMMARY INFORMATION

01	02	03	04				05			
		Outside Air	Supply Fan				Return Fan			
Equipment Name	EconomizerType	CFM	CFM	HP	BHP	Control	CFM	HP	BHP	Control
AVSystem 1	noEconomizer	720	1875.0	0.75	0.75	Constant volume				

H. CHILLER SUMMARY INFORMATION

Not Applicable

I. COOLING TOWER SUMMARY INFORMATION

Not Applicable

J. BOILER SUMMARY INFORMATION

Not Applicable

K. CENTRAL MECHANICAL SYSTEM - PUMP SUMMARY INFORMATION

Not Applicable

L. TERMINAL UNIT SUMMARY INFORMATION

Not Applicable

L-1. ZONAL SYSTEM SUMMARY INFORMATION

Not Applicable

M-1. CMA SUMMARY INFORMATION: FLUID SYSTEMS

Not Applicable

M-2. CMA SUMMARY INFORMATION: RECIRCULATION DHW SYSTEMS

Not Applicable

N. EXCEPTIONAL CONDITIONS COMPLIANCE OVERLAY

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD — NRCC-PRF-01-E

Project Name: 24 x 40 SCI PC — Calculation Date/Time: — Page 5 of 6

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC — Input File Name:

Not Applicable

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD — NRCC-PRF-01-E

Project Name: 24 x 40 SCI PC — Calculation Date/Time: — Page 6 of 6

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC — Input File Name:

I. DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: DAVE CHEEK	Documentation Author Signature:
Company: SILVER CREEK	Signature Date:
Address: 2830 Barrett Ave - Perris CA 92571	CEA Attributes: Of Record (OR)
City/State/Zip:	Phone: 951-943-5393

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation, and that I am licensed in the State of California as a civil engineer, mechanical engineer, electrical engineer, or I am a licensed architect.
2. I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code by section 5537.2 or 6737.1 to sign this document as the person responsible for its preparation, and that I am a licensed architect performing this work.
3. I affirm that I am eligible under Division 3 of the Business and Professions Code to sign this document because it pertains to a structure or type of work also listed as exempt pursuant to Business and Professions Code Sections 5537, 5538 and 6737.1.

Building Owner's Name: DAVE CHEEK	Building Owner's Signature:
Address: 2830 Barrett Ave - Perris CA 92571	Date Signed: 4/1/2015
City/State/Zip:	Phone: 951-943-5393
Responsible Designer Name: Paul Mcintosh	Responsible Designer Signature:
Company: SILVER CREEK	Date Signed: 4/1/2015
Address: 2830 Barrett Ave - Perris CA 92571	License: EE 32457
City/State/Zip:	Phone: 951-943-5393
Responsible Lighting Designer Name: SILVER CREEK	Responsible Lighting Designer Signature:
Company: SILVER CREEK	Date Signed: 4/1/2015
Address: 2830 Barrett Ave - Perris CA 92571	License:
City/State/Zip:	Phone: 951-943-5393
Responsible Mechanical Designer Name: SILVER CREEK	Responsible Mechanical Designer Signature:
Company: SILVER CREEK	Date Signed: 4/1/2015
Address: 2830 Barrett Ave - Perris CA 92571	License:
City/State/Zip:	Phone: 951-943-5393

Lydia Barron

Digitally signed by Lydia Barron
DN: st=California, l=Sacramento, o=California Department of General Services, ou=Division of the State Architect, cn=www.verisign.com/repository/CPS Incorp. by Ref. LIAB LTD(c)99, ou=Architectural Associate, cn=Lydia Barron, email=lydia.barron@dgs.ca.gov
Date: 2015.03.26 13:24:40 -07'00'

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
ENERGY CALC'S.
PRF FORMS
ZONE 16 WORST CASE

C-33467 REN 01-31-2015 — LICENSED ARCHITECT — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
1 STORY RESIDENTIAL EDUCATION
2 DSA CORRECTIONS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC ELS SS
DATE APR 14 2015

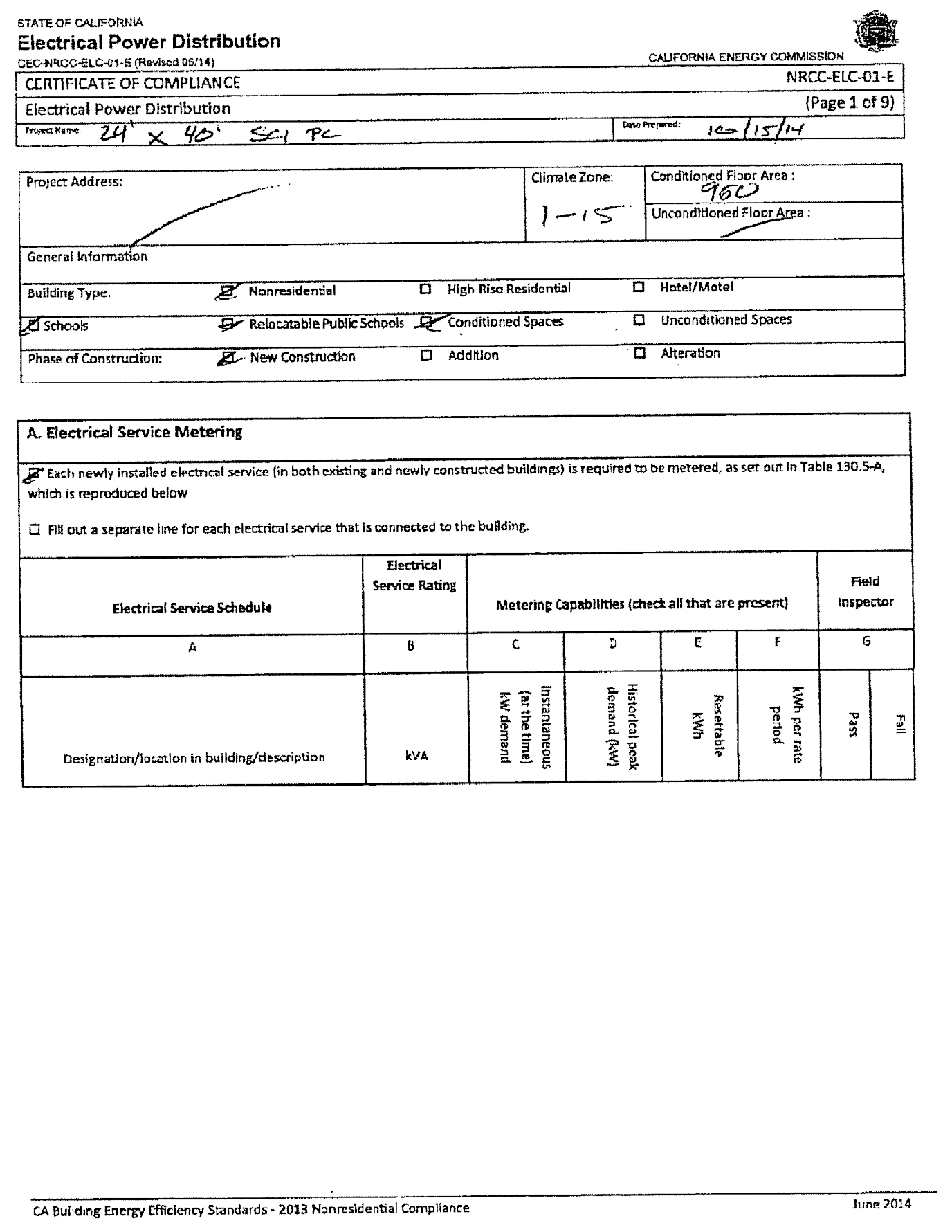
REVISIONS

1	
2	
3	
4	
5	
6	
7	
8	

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	09-10-14

P.C. SHEET NUMBER
A-0.5C



STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 1 of 9)
Project Name: 24' x 40' SCI PC	Date Prepared: 10/15/14

Project Address:	Climate Zone: 1-15	Conditioned Floor Area : 960 Unconditioned Floor Area :

General Information

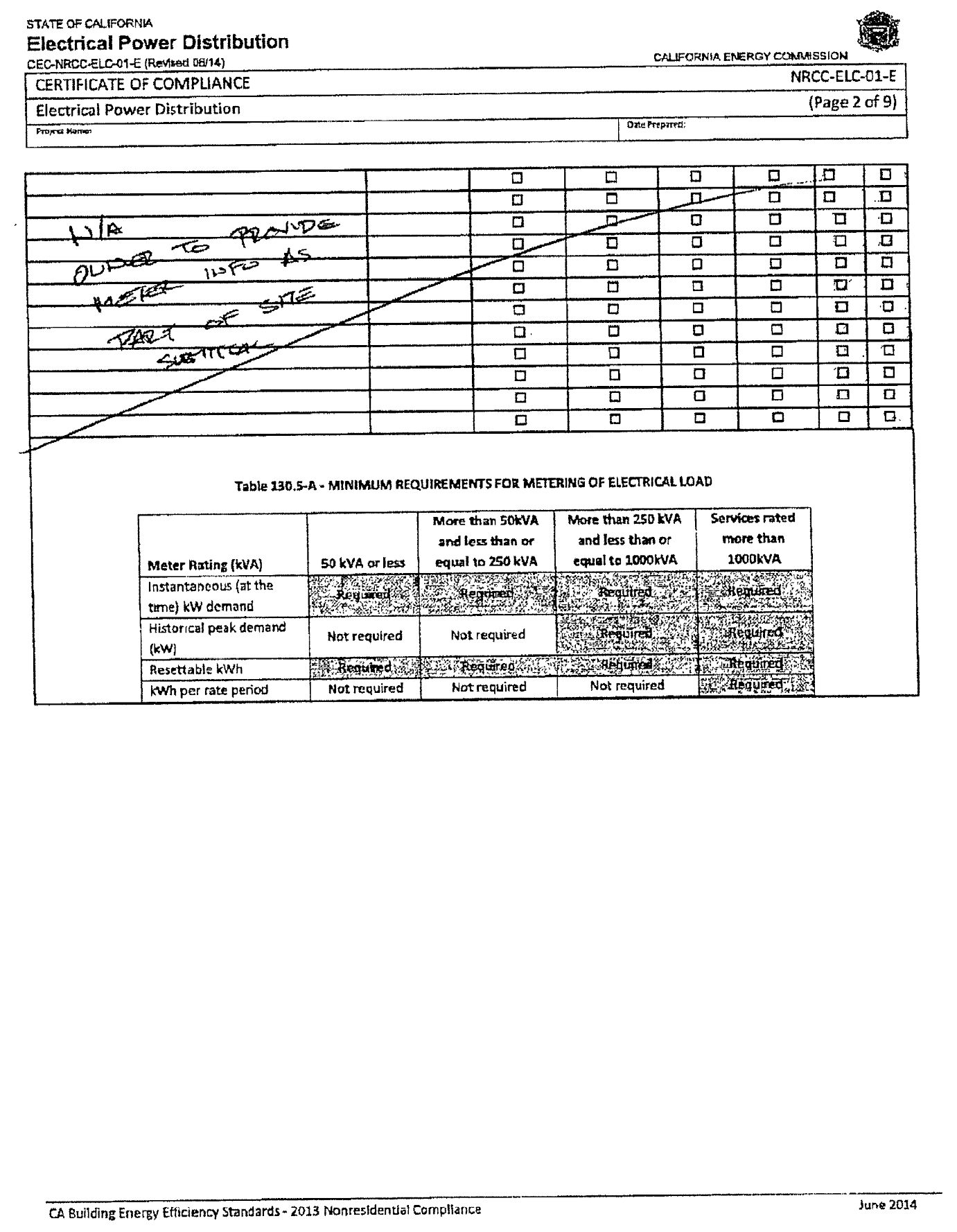
Building Type: ☑ Nonresidential ☐ High Rise Residential ☐ Hotel/Motel
☑ Schools ☑ Relocatable Public Schools ☑ Conditioned Spaces ☐ Unconditioned Spaces
Phase of Construction: ☑ New Construction ☐ Addition ☐ Alteration

A. Electrical Service Metering

☑ Each newly installed electrical service (in both existing and newly constructed buildings) is required to be metered, as set out in Table 130.5-A, which is reproduced below

☐ Fill out a separate line for each electrical service that is connected to the building.

Electrical Service Schedule	Electrical Service Rating	Metering Capabilities (check all that are present)				Field Inspector	
A	B	C	D	E	F	G	
Designation/location in building/description	kVA	Instantaneous (at the time) kW demand	Historical peak demand (kW)	Resettable kWh	kWh per rate period	Pass	Fail



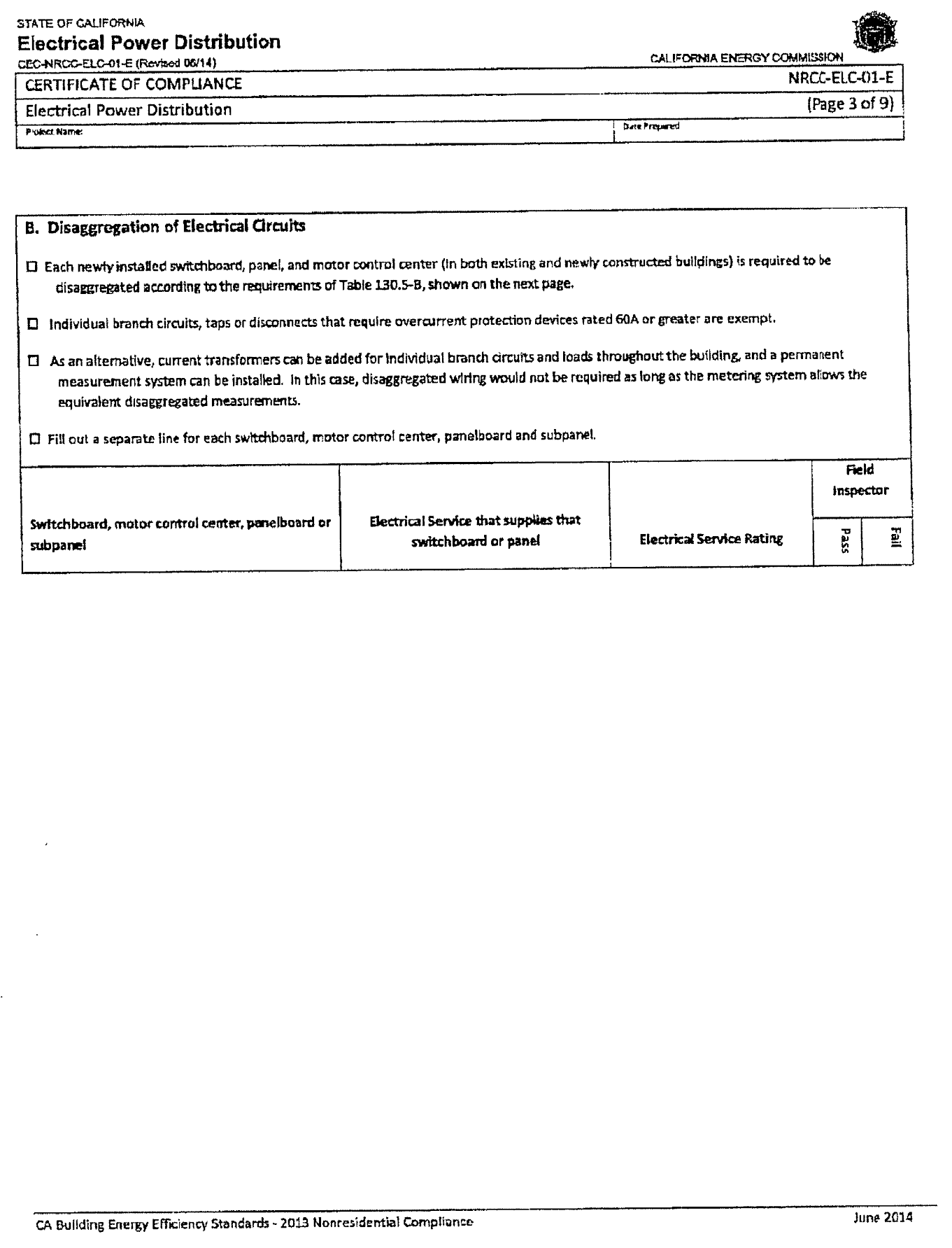
STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 2 of 9)
Project Name:	Date Prepared:

		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐
N/A		☐	☐	☐	☐	☐	☐
OWNER TO PROVIDE		☐	☐	☐	☐	☐	☐
METER INFO AS		☐	☐	☐	☐	☐	☐
PART OF SITE		☐	☐	☐	☐	☐	☐
SUBMITTAL		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐

Table 130.5-A - MINIMUM REQUIREMENTS FOR METERING OF ELECTRICAL LOAD

Meter Rating (kVA)	50 kVA or less	More than 50kVA and less than or equal to 250 kVA	More than 250 kVA and less than or equal to 1000kVA	Services rated more than 1000kVA
Instantaneous (at the time) kW demand	Required	Required	Required	Required
Historical peak demand (kW)	Not required	Not required	Required	Required
Resettable kWh	Required	Required	Required	Required
kWh per rate period	Not required	Not required	Not required	Required



STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 3 of 9)
Project Name:	Date Prepared:

B. Disaggregation of Electrical Circuits

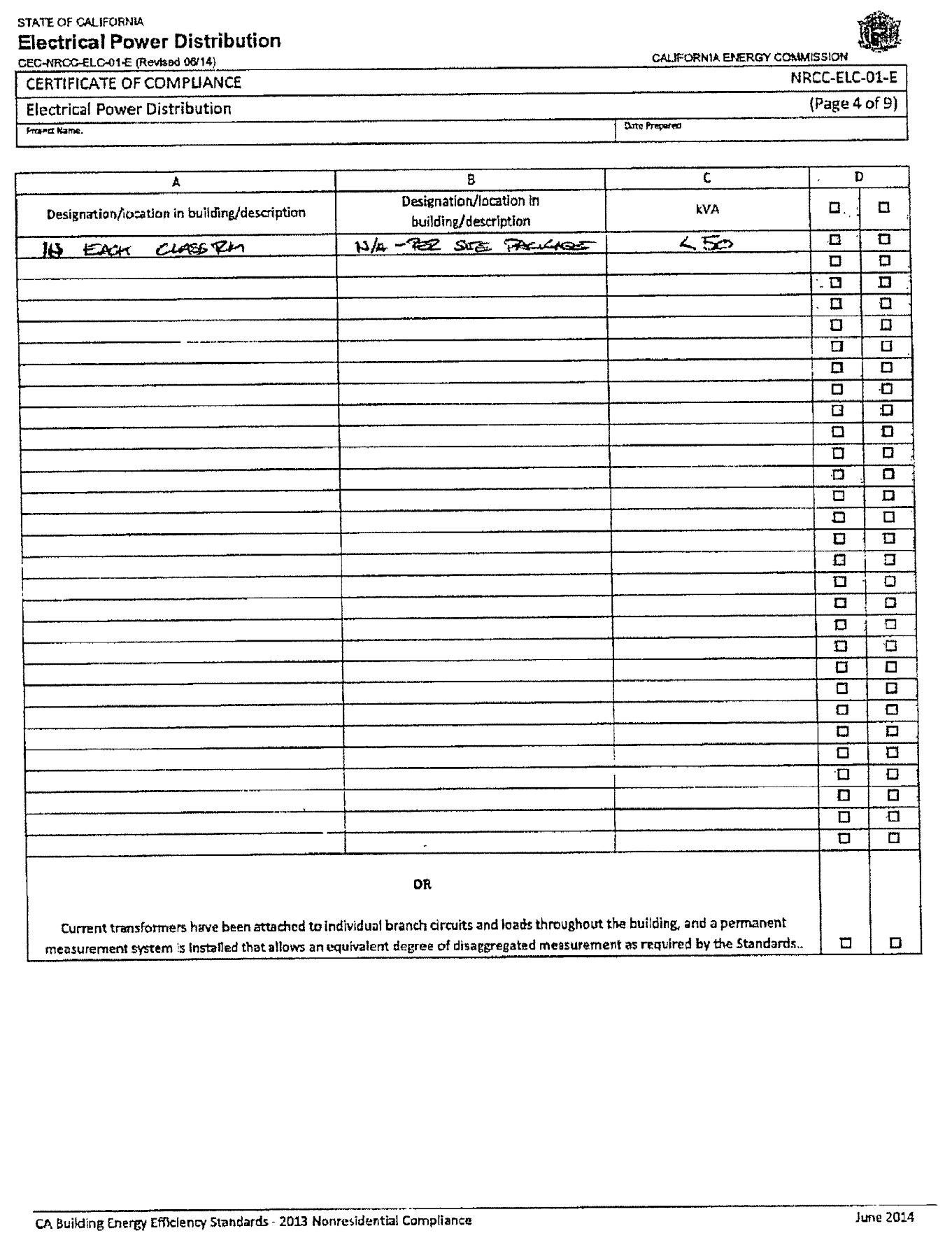
☐ Each newly installed switchboard, panel, and motor control center (in both existing and newly constructed buildings) is required to be disaggregated according to the requirements of Table 130.5-B, shown on the next page.

☐ Individual branch circuits, taps or disconnects that require overcurrent protection devices rated 60A or greater are exempt.

☐ As an alternative, current transformers can be added for individual branch circuits and loads throughout the building, and a permanent measurement system can be installed. In this case, disaggregated wiring would not be required as long as the metering system allows the equivalent disaggregated measurements.

☐ Fill out a separate line for each switchboard, motor control center, panelboard and subpanel.

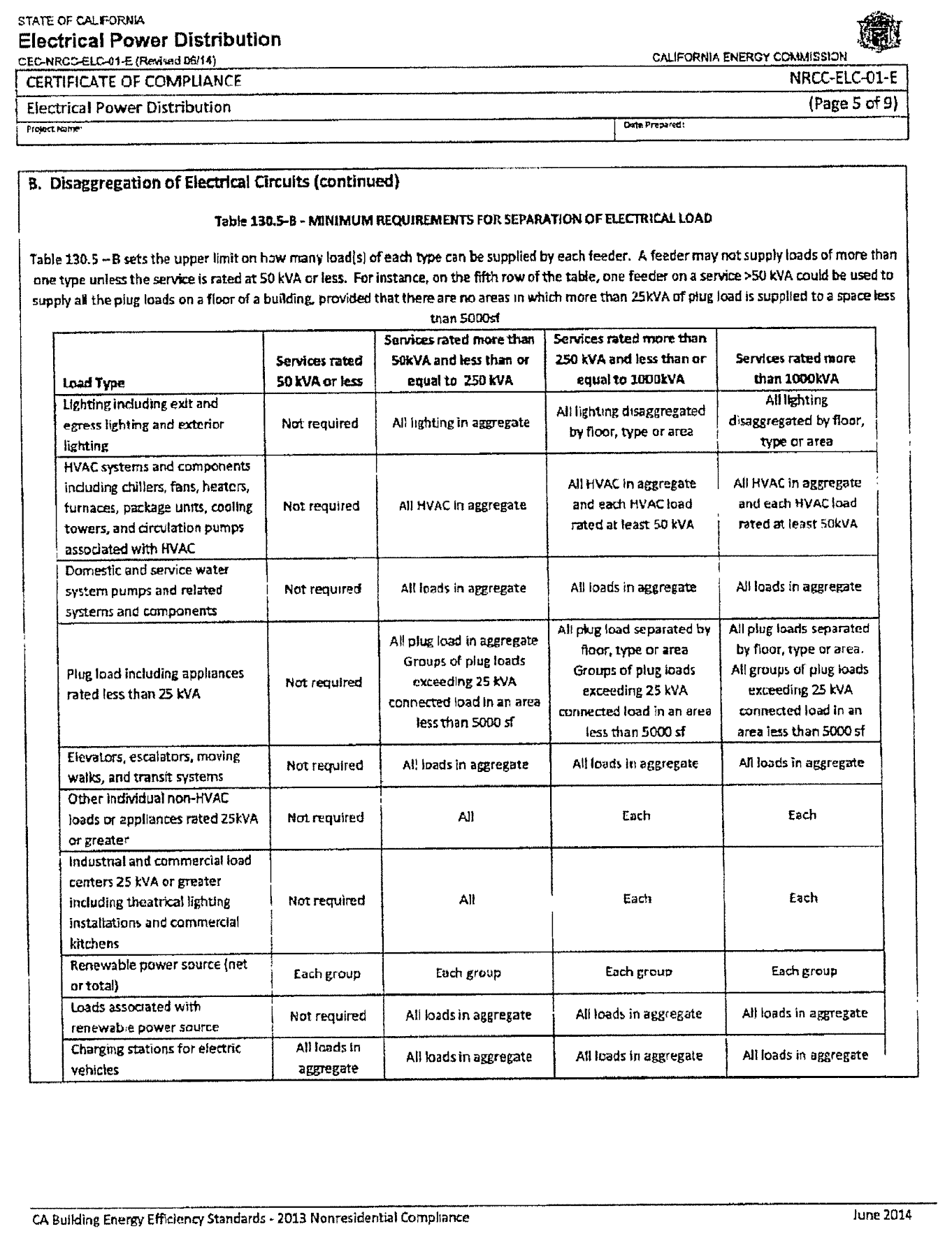
Switchboard, motor control center, panelboard or subpanel	Electrical Service that supplies that switchboard or panel	Electrical Service Rating	Field Inspector	
			Pass	Fail



STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 4 of 9)
Project Name:	Date Prepared:

A	B	C	D	
Designation/location in building/description	Designation/location in building/description	kVA	☐	☐
1@ EACH CLASSRM	N/A - PER SITE PACKAGE	< 50	☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
OR Current transformers have been attached to individual branch circuits and loads throughout the building, and a permanent measurement system is installed that allows an equivalent degree of disaggregated measurement as required by the Standards..			☐	☐



STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

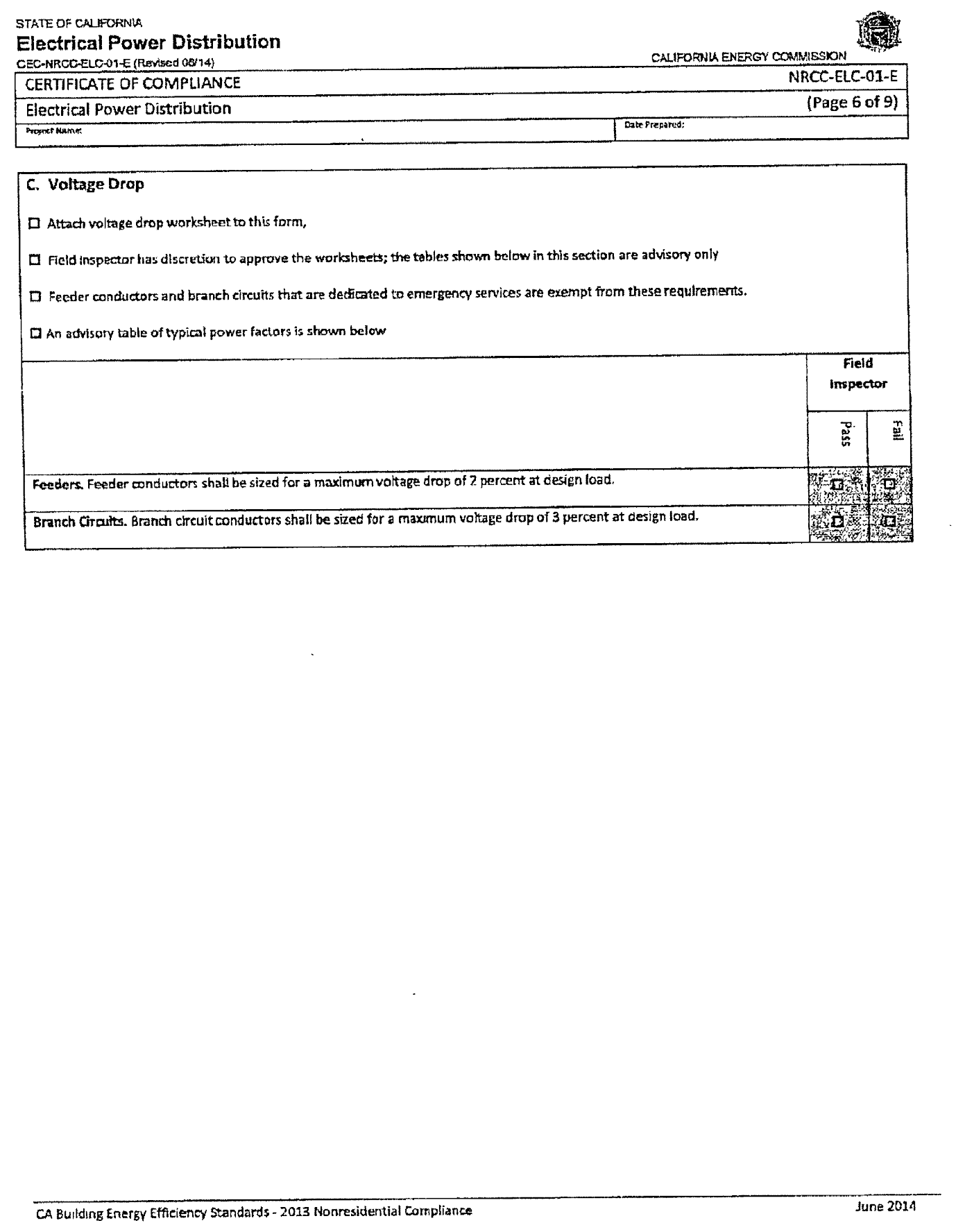
CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 5 of 9)
Project Name:	Date Prepared:

B. Disaggregation of Electrical Circuits (continued)

Table 130.5-B - MINIMUM REQUIREMENTS FOR SEPARATION OF ELECTRICAL LOAD

Table 130.5 – B sets the upper limit on how many load(s) of each type can be supplied by each feeder. A feeder may not supply loads of more than one type unless the service is rated at 50 kVA or less. For instance, on the fifth row of the table, one feeder on a service >50 kVA could be used to supply all the plug loads on a floor of a building, provided that there are no areas in which more than 25kVA of plug load is supplied to a space less than 5000sf

Load Type	Services rated 50 kVA or less	Services rated more than 50kVA and less than or equal to 250 kVA	Services rated more than 250 kVA and less than or equal to 1000kVA	Services rated more than 1000kVA
Lighting including exit and egress lighting and exterior lighting	Not required	All lighting in aggregate	All lighting disaggregated by floor, type or area	All lighting disaggregated by floor, type or area
HVAC systems and components including chillers, fans, heaters, furnaces, package units, cooling towers, and circulation pumps associated with HVAC	Not required	All HVAC in aggregate	All HVAC in aggregate and each HVAC load rated at least 50 kVA	All HVAC in aggregate and each HVAC load rated at least 50kVA
Domestic and service water system pumps and related systems and components	Not required	All loads in aggregate	All loads in aggregate	All loads in aggregate
Plug load including appliances rated less than 25 kVA	Not required	All plug load in aggregate Groups of plug loads exceeding 25 kVA connected load in an area less than 5000 sf	All plug load separated by floor, type or area Groups of plug loads exceeding 25 kVA connected load in an area less than 5000 sf	All plug loads separated by floor, type or area. All groups of plug loads exceeding 25 kVA connected load in an area less than 5000 sf
Elevators, escalators, moving walks, and transit systems	Not required	All loads in aggregate	All loads in aggregate	All loads in aggregate
Other individual non-HVAC loads or appliances rated 25kVA or greater	Not required	All	Each	Each
Industrial and commercial load centers 25 kVA or greater including theatrical lighting installations and commercial kitchens	Not required	All	Each	Each
Renewable power source (net or total)	Each group	Each group	Each group	Each group
Loads associated with renewable power source	Not required	All loads in aggregate	All loads in aggregate	All loads in aggregate
Charging stations for electric vehicles	All loads in aggregate	All loads in aggregate	All loads in aggregate	All loads in aggregate



STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 6 of 9)
Project Name:	Date Prepared:

C. Voltage Drop

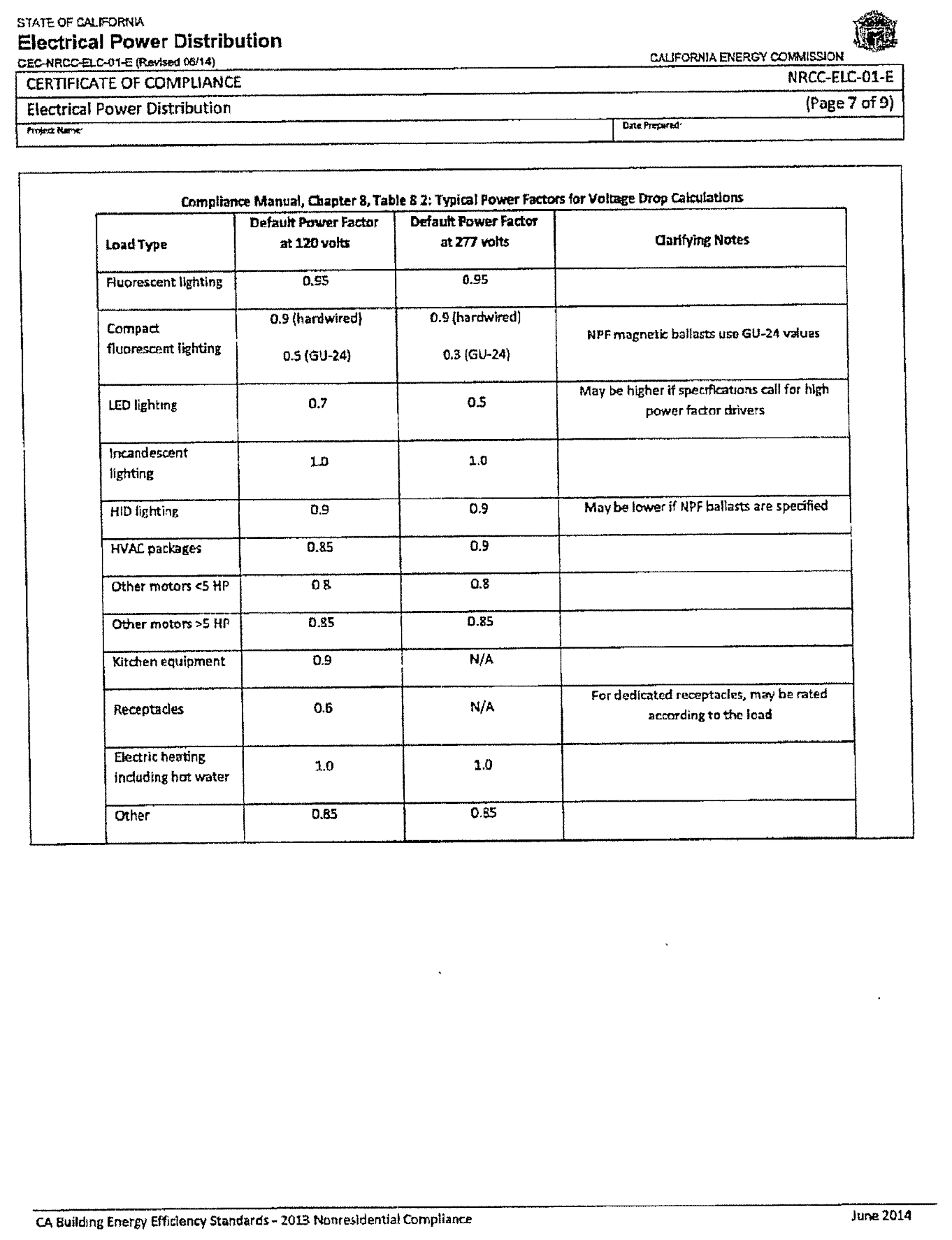
☐ Attach voltage drop worksheet to this form,

☐ Field inspector has discretion to approve the worksheets; the tables shown below in this section are advisory only

☐ Feeder conductors and branch circuits that are dedicated to emergency services are exempt from these requirements.

☐ An advisory table of typical power factors is shown below

	Field Inspector	
	Pass	Fail
Feeders. Feeder conductors shall be sized for a maximum voltage drop of 2 percent at design load.	☐	☐
Branch Circuits. Branch circuit conductors shall be sized for a maximum voltage drop of 3 percent at design load.	☐	☐

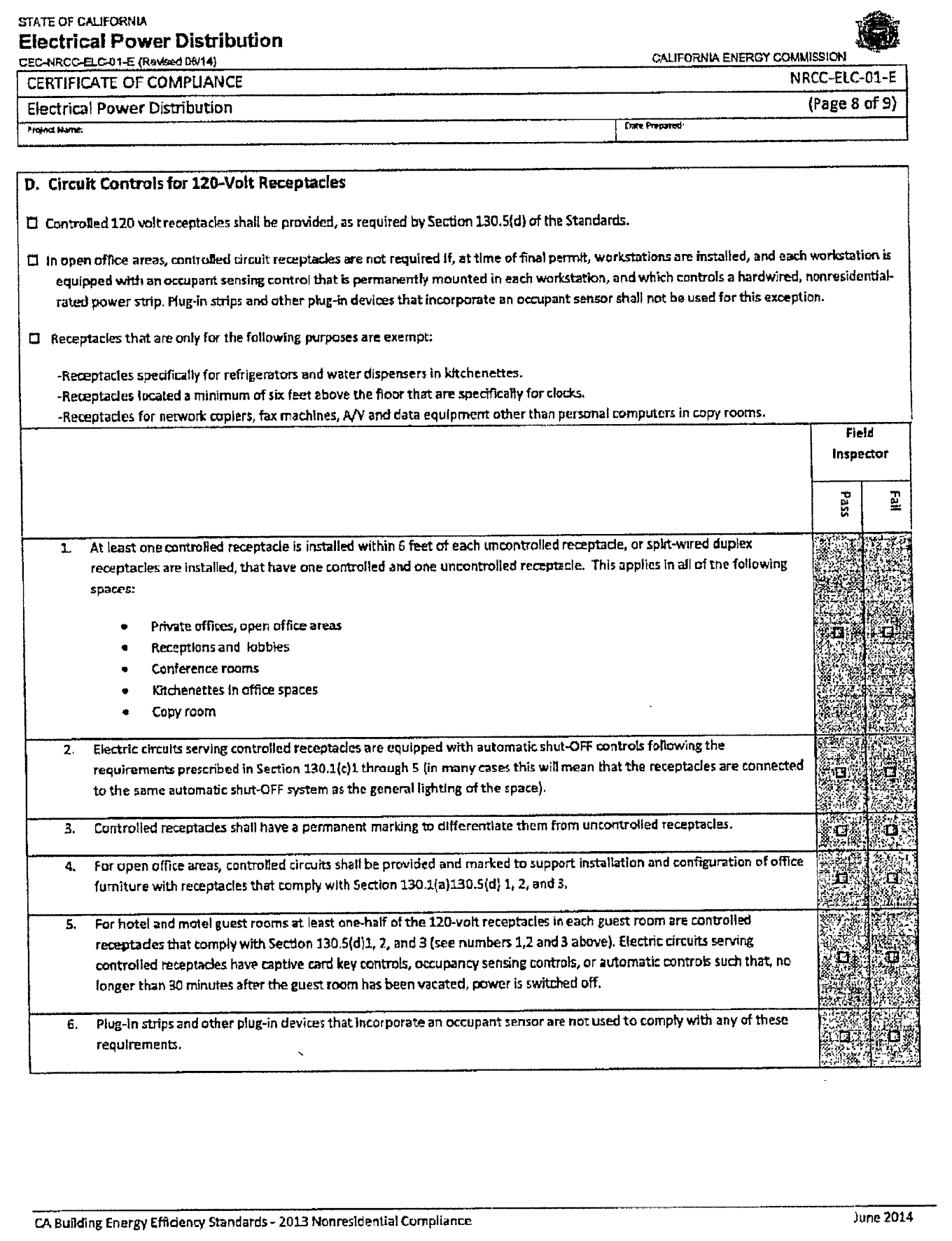


STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 7 of 9)
Project Name:	Date Prepared:

Compliance Manual, Chapter 8, Table 8 2: Typical Power Factors for Voltage Drop Calculations

Load Type	Default Power Factor at 120 volts	Default Power Factor at 277 volts	Clarifying Notes
Fluorescent lighting	0.95	0.95	
Compact fluorescent lighting	0.9 (hardwired) 0.5 (GU-24)	0.9 (hardwired) 0.3 (GU-24)	NPF magnetic ballasts use GU-24 values
LED lighting	0.7	0.5	May be higher if specifications call for high power factor drivers
Incandescent lighting	1.0	1.0	
HID lighting	0.9	0.9	May be lower if NPF ballasts are specified
HVAC packages	0.85	0.9	
Other motors <5 HP	0.8	0.8	
Other motors >5 HP	0.85	0.85	
Kitchen equipment	0.9	N/A	
Receptacles	0.6	N/A	For dedicated receptacles, may be rated according to the load
Electric heating including hot water	1.0	1.0	
Other	0.85	0.85	



STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 8 of 9)
Project Name:	Date Prepared:

D. Circuit Controls for 120-Volt Receptacles

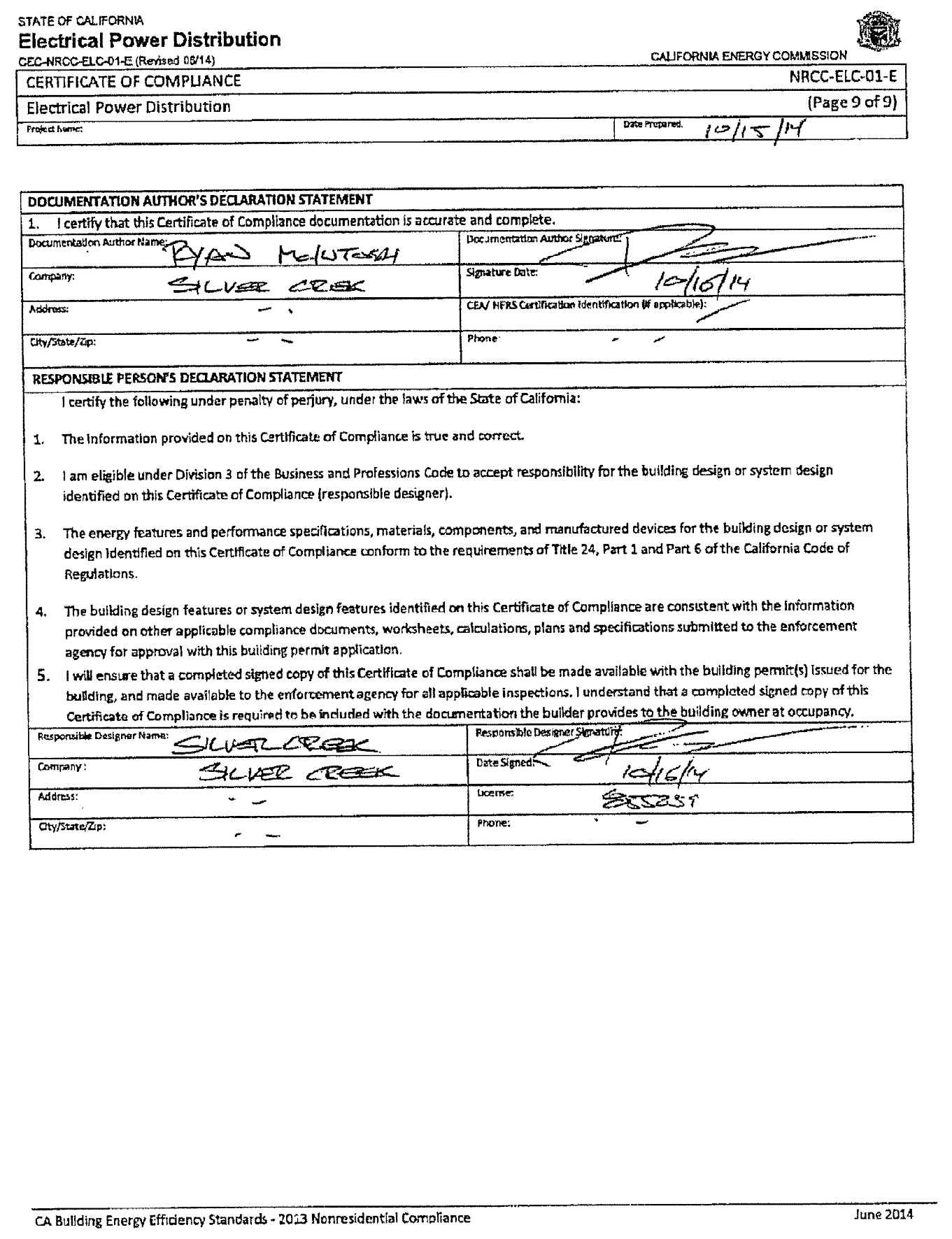
☐ Controlled 120 volt receptacles shall be provided, as required by Section 130.5(d) of the Standards.

☐ In open office areas, controlled circuit receptacles are not required if, at time of final permit, workstations are installed, and each workstation is equipped with an occupant sensing control that is permanently mounted in each workstation, and which controls a hardwired, nonresidential-rated power strip. Plug-in strips and other plug-in devices that incorporate an occupant sensor shall not be used for this exception.

☐ Receptacles that are only for the following purposes are exempt:

-Receptacles specifically for refrigerators and water dispensers in kitchenettes.
-Receptacles located a minimum of six feet above the floor that are specifically for clocks.
-Receptacles for network copiers, fax machines, A/V and data equipment other than personal computers in copy rooms.

		Field Inspector	
		Pass	Fail
1.	At least one controlled receptacle is installed within 6 feet of each uncontrolled receptacle, or split-wired duplex receptacles are installed, that have one controlled and one uncontrolled receptacle. This applies in all of the following spaces: • Private offices, open office areas • Receptions and lobbies • Conference rooms • Kitchenettes in office spaces • Copy room	☐	☐
2.	Electric circuits serving controlled receptacles are equipped with automatic shut-OFF controls following the requirements prescribed in Section 130.1(c)1 through 5 (in many cases this will mean that the receptacles are connected to the same automatic shut-OFF system as the general lighting of the space).	☐	☐
3.	Controlled receptacles shall have a permanent marking to differentiate them from uncontrolled receptacles.	☐	☐
4.	For open office areas, controlled circuits shall be provided and marked to support installation and configuration of office furniture with receptacles that comply with Section 130.1(a)130.5(d) 1, 2, and 3.	☐	☐
5.	For hotel and motel guest rooms at least one-half of the 120-volt receptacles in each guest room are controlled receptacles that comply with Section 130.5(d)1, 2, and 3 (see numbers 1,2 and 3 above). Electric circuits serving controlled receptacles have captive card key controls, occupancy sensing controls, or automatic controls such that, no longer than 30 minutes after the guest room has been vacated, power is switched off.	☐	☐
6.	Plug-in strips and other plug-in devices that incorporate an occupant sensor are not used to comply with any of these requirements.	☐	☐



STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 9 of 9)
Project Name:	Date Prepared: 10/15/14

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT	
1. I certify that this Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name: RYAN McINTOSH	Documentation Author Signature:
Company: SILVER CREEK	Signature Date: 10/16/14
Address: –	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: – –	Phone: – –

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: SILVER CREEK	Responsible Designer Signature:
Company : SILVER CREEK	Date Signed: 10/16/14
Address: – –	License: 855251
City/State/Zip: – –	Phone: – –

Lydia
Barron

Digitally signed by Lydia Barron
DN: st=California, l=Sacramento, o=California Department of General Services, ou=Division of the State Architect, ou=www.verisign.com/repository/CPS Incorp. by Ref.,LIAB.LTD(c)99, title=Architectural Associate, cn=Lydia Barron, email=lydia.barron@dgs.ca.gov
Date: 2015.02.26 15:26:02 -08'00'

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
"BUILDING FOR THE NEXT GENERATION"
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
ENERGY CALC'S.
ELC FORMS
24' x 40' BLDG'S

JACK F SHIVELY III
C-33467
REN 01-31-2015

ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC — FLS ✓ SS
DATE APR 14 2015

REVISIONS

1	
2	
3	
4	
5	
6	
7	
8	

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-10-14

P.C. SHEET NUMBER
A-0.6A

STATE OF CALIFORNIA
OUTDOOR LIGHTING
(SECTIONS 130.0-130.5 and Part 6 of Title 24)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-LTO-01-E
Outdoor Lighting — (Page 1 of 4)

Project Name: 24' x 40' SCI 'BC' — Date Prepared: 10/15/14

Project Address: — Total Illuminated Hardscape Area

General Information
Phase of Construction: ☐ New Construction ☐ Addition ☐ Alteration
Outdoor Lighting Zone (OLZ): ☐ OLZ-1 ☐ OLZ-2 ☒ OLZ-3 ☐ OLZ-4
I have confirmed with the AHJ which OLZ applies to this site. For default lighting zone designations, see Title 24 Part 5, §10-114

LIGHTING COMPLIANCE DOCUMENTS (check box for each document included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.

☒	NRCC-LTO-01-E	Certificate of Compliance
☐	NRCC-LTO-02-E	Outdoor Lighting Controls Certificate of Compliance
☒	NRCC-LTO-03-E	Outdoor Lighting Power Allowance Certificate of Compliance

Summary of Allowed Outdoor Lighting Power

		Watts
1.	Sum Total ALLOWED Outdoor Lighting Wattage from NRCC-LTO-03-E, page 1	30
	+ Complies ONLY if Installed ≤ Allowed	
2.	Sum Total INSTALLED Outdoor lighting Wattage from NRCC-LTO-01-E, page 1	30

Declaration of Required Installation Certificates – Declare by checking all installation Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)

☒ NRCI-LTO-03-E - Must be submitted for all buildings	☐ Field Inspector
☐ NRCI-LTO-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐ Field Inspector
Declaration of Required Certificates of Acceptance – Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify forms are completed and signed.)	
☒ NRCA-LTO-02-A - Must be submitted for outdoor lighting controls.	☐ Field Inspector

STATE OF CALIFORNIA
OUTDOOR LIGHTING
(SECTIONS 130.0-130.5 and Part 6 of Title 24)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-LTO-01-E
Outdoor Lighting — (Page 2 of 4)

Project Name: — Date Prepared:

Schedule of luminaires exempt from the outdoor lighting power requirements in §140.7

Name or Symbol	Description of exempt luminaire in accordance with the exemptions

Schedule of luminaires exempt from the cutoff requirements in §130.2(b)

Name or Symbol	Description of exempt luminaire in accordance with the exemptions

Schedule of luminaires exempt from the outdoor lighting control requirements in §130.2(c)

Name or Symbol	Description of exempt luminaire in accordance with the exemptions
70 HPS LIGHT	430V, NO MOTION SENSOR

STATE OF CALIFORNIA
OUTDOOR LIGHTING
(SECTIONS 130.0-130.5 and Part 6 of Title 24)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-LTO-01-E
Outdoor Lighting — (Page 3 of 4)

Project Name: — Date Prepared:

A. OUTDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

Luminaire Schedule		Installed Watts				Location	Cutoff	Field Inspector
A	B	C	D	E	F	G	H	I
Name or Item Tag	Complete Luminaire Description	Luminaire Wattage (watts)	How wattage was determined (Nameplate or Measured)	Quantity of this luminaire	Total Wattage (watts) (C x D x E)	Primary function area in which these luminaires are installed	Is it a cutoff luminaire? (Yes or No)	Field Inspector Verification (Pass or Fail)
'SBLP'	30 W CREE LED EXT. TRIM	30	☐ ☒	1	30	ENTRY DOOR	YES	☐ ☐
			☐ ☐					☐ ☐
			☐ ☐					☐ ☐
			☐ ☐					☐ ☐
			☐ ☐					☐ ☐
			☐ ☐					☐ ☐
			☐ ☐					☐ ☐
			☐ ☐					☐ ☐
			☐ ☐					☐ ☐
			☐ ☐					☐ ☐
			☐ ☐					☐ ☐
			☐ ☐					☐ ☐
			☐ ☐					☐ ☐
			☐ ☐					☐ ☐
			☐ ☐					☐ ☐
			☐ ☐					☐ ☐
			☐ ☐					☐ ☐
			☐ ☐					☐ ☐
			☐ ☐					☐ ☐
			☐ ☐					☐ ☐
			☐ ☐					☐ ☐
			☐ ☐					☐ ☐
		INSTALLED WATTS PAGE TOTAL:			30	Enter sum total of all pages (Sum Total INSTALLED Outdoor lighting wattage) into NRCC-LTO-01-E, Page 1		30

STATE OF CALIFORNIA
OUTDOOR LIGHTING
(SECTIONS 130.0-130.5 and Part 6 of Title 24)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-LTO-01-E
Outdoor Lighting — (Page 4 of 4)

Project Name: — Date Prepared: 10/15/14

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: STEVEN MUTCH	Documentation Author Signature:
Company: SILVER CREEK	Signature Date: 10/16/14
Address:	CEA/HERS Certification Identification (If applicable):
City/State/Zip:	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: STEVEN MUTCH	Responsible Designer Signature:
Company: SILVER CREEK	Date Signed: 10/16/14
Address:	License:
City/State/Zip:	Phone:

STATE OF CALIFORNIA
REQUIRED ACCEPTANCE TESTS
(SECTIONS 130.0-130.5 and Part 6 of Title 24)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-MCH-04-E
Required Acceptance Tests — (Page 1 of 1)

Project Name: 24'x40' SCI 'BC' — Date Prepared: 10/15/14

MECHANICAL COMPLIANCE FORMS & WORKSHEETS (Indicate if worksheet is included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, refer to the 2013 Nonresidential Manual Note: The Enforcement Agency may require all forms to be incorporated into the building plans. Forms NRCC-MCH-04-E and NRCC-MCH-05-E are alternative forms to NRCC-MCH-01-E, NRCC-MCH-02-E and NRCC-MCH-03-E for projects using only single zone packaged HVAC systems.

YES	NO	Form	Title
X		NRCC-MCH-04-E (1 of 2)	Certificate of Compliance. Required on plans when used.
X		NRCC-MCH-04-E (2 of 2)	Mechanical Acceptance Tests. Required on plans when used.
	X	NRCC-MCH-05-E (1 of 2)	HVAC Prescriptive Requirements. It is required on plans when used.
X		NRCC-MCH-05-E (2 of 2)	Mechanical SWH Equipment Summary is required for all submittals with service water heating, pools or spas. It is required on plans where applicable.

STATE OF CALIFORNIA
REQUIRED ACCEPTANCE TESTS
(SECTIONS 130.0-130.5 and Part 6 of Title 24)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-MCH-04-E
Required Acceptance Tests — (Page 2 of 3)

Project Name: — Date Prepared:

Designer:

This form is to be used by the designer and attached to the plans. Listed below are all the acceptance tests for mechanical systems. The designer is required to check the applicable boxes by all acceptance tests that apply and list all equipment that requires an acceptance test. If all equipment of a certain type requires a test, list the equipment description and the number of systems. This NA number designates the Section in the Appendix of the Nonresidential Reference Appendices Manual that describes the test. Since this form will be part of the plans, completion of this section will allow the responsible party to budget for the scope of work appropriately.

Enforcement Agency:

Systems Acceptance. Before occupancy permit is granted for a newly constructed building or space, or a new space-conditioning system serving a building or space is operated for normal use, all control devices serving the building or space shall be certified as meeting the Acceptance Requirements for Code Compliance.

Systems Acceptance. Before occupancy permit is granted. All newly installed HVAC equipment must be tested using the Acceptance Requirements .

The NRCC-MCH-04-E form is not considered a completed form and is not to be accepted by the building department unless the correct boxes are checked. The equipment requiring testing, person performing the test (Example: HVAC Installer, TAB contractor, controls contractor, PE in charge of project) and what Acceptance test must be conducted. The following checked-off forms are required for ALL newly installed and replaced equipment. In addition a Certificate of Acceptance forms shall be submitted to the building department that certifies plans, specifications, installation certificates, and operating and maintenance information meet the requirements of Section 10-103(b) and Title 24 Part 6. The building inspector must receive the properly filled out and signed forms before the building can receive final occupancy.

Test Description	MCH-02-A	MCH-03-A	MCH-04-A	MCH-05-A	MCH-07-A	MCH-11-A	MCH-12-A	MCH-16-A	MCH-18-A	Test Performed By:
Equipment Sizing Testing or Verification	# of units	Outdoor Air	Single Zone Unitary	Air Distribution Ducts	Economizer Controls	Demand Control Ventilation (DCV)	Supply Fan VAV	Automatic Demand Shed Control	FDD for Packaged DX Units	Distribution of Energy Storage DX AC Systems	Energy Management Control System	
ALL HPS	ALL	✓	✓	✓		✓						

STATE OF CALIFORNIA
REQUIRED ACCEPTANCE TESTS
(SECTIONS 130.0-130.5 and Part 6 of Title 24)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-MCH-04-E
Required Acceptance Tests — (Page 3 of 3)

Project Name: — Date Prepared: 10/15/14

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: STEVEN MUTCH	Documentation Author Signature:
Company: SILVER CREEK	Signature Date: 10/16/14
Address:	CEA/HERS Certification Identification (If applicable):
City/State/Zip:	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: STEVEN MUTCH	Responsible Designer Signature:
Company: SILVER CREEK	Date Signed: 10/16/14
Address:	License: 0C5247
City/State/Zip:	Phone:

Lydia Barron

Digitally signed by Lydia Barron
DN: z=California, l=Sacramento, o=California Department of General Services, ou=Division of the State Architect, ou=www.veritign.com/repository/CPS Incorp. by Ref.,LIAB.LTD(c)99, title=Architectural Associate, cn=Lydia Barron, email=lydia.barron@dgs.ca.gov
Date: 2015.02.26 15:27:00 -08'00'

SILVER CREEK INDUSTRIES, INC.

"BUILDING FOR THE NEXT GENERATION"

SILVER CREEK

2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
ENERGY CALC'S.
LTO / MCH FORMS
24' x 40' BLDG'S

STEVEN MUTCH
REGISTERED ARCHITECT
STATE OF CALIFORNIA
C-33467
REN 01-31-2015

ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
IS EXEMPT FROM DSA REVIEW
FOR CONSTRUCTION BID/BUILD

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC ___ PLS ___ SS WW
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-10-14

P.C. SHEET NUMBER
A-0.6B

STATE OF CALIFORNIA
INDOOR LIGHTING
(RESIDENTIAL OCCUPANCIES) (Revised 08/14)
CERTIFICATE OF COMPLIANCE
Indoor Lighting
Project Name: 24' x 40' SCI PC
CALIFORNIA ENERGY COMMISSION
NRCC-LTI-01-E
[Page 1 of 5]
Date Prepared: 10/15/14

Climate Zone: 1-15
Conditioned Floor Area: 960
Unconditioned Floor Area:

General Information

Building Type:	☑ Nonresidential	☐ High-Rise Residential	☐ Hotel/Motel
☑ Schools	☐ Relocatable Public Schools	☐ Conditioned Spaces	☐ Unconditioned Spaces
Phase of Construction:	☐ New Construction	☐ Addition	☐ Alteration
Method of Compliance:	☐ Complete Building	☑ Area Category	☐ Tailored

LIGHTING COMPLIANCE DOCUMENTS (print yes for each document included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.

YES	NO	FORM	TITLE
✓		NRCC-LTI-01-E	Certificate of Compliance. All Pages required on plans for all submittals.
✓		NRCC-LTI-02-E	Lighting Controls, Certificate of Compliance, and PAF Calculation. All Pages required on plans for all submittals.
	✓	NRCC-LTI-03-E	Indoor Lighting Power Allowance
	✓	NRCC-LTI-04-E	Tailored Method Worksheets
	✓	NRCC-LTI-05-E	Low Voltage Track Lighting Worksheets

Summary of Allowed Lighting Power

Conditioned and Unconditioned spaces Lighting must not be combined for compliance

	Indoor Lighting Power for Conditioned Spaces		Watts		Indoor Lighting Power for Unconditioned Spaces		Watts
1.	Installed Lighting NRCC-LTI-01-E, page 4	+	744	5.	Installed Lighting NRCC-LTI-01-E, page 4	+	
2.	POSITABLE ONLY FOR OFFICES NRCC-LTI-01-E, page 3	+					
3.	Minus Lighting Control Credits NRCC-LTI-02-E, page 3	-	186		Minus Lighting Control Credits NRCC-LTI-02-E, page 3	-	
4.	Adjusted Installed Lighting Power (row 1 plus row 2 minus row 3)	=	558		Adjusted Installed Lighting Power (row 5 minus row 3)	=	

STATE OF CALIFORNIA
INDOOR LIGHTING
(RESIDENTIAL OCCUPANCIES) (Revised 08/14)
CERTIFICATE OF COMPLIANCE
Indoor Lighting
Project Name:
CALIFORNIA ENERGY COMMISSION
NRCC-LTI-01-E
[Page 2 of 5]
Date Prepared:

b.	Complies ONLY if Installed ≤ Allowed	↕	Complies ONLY if Installed ≤ Allowed
c.	Allowed Lighting Power Conditioned NRCC-LTI-03-E, page 1	1152	Allowed Lighting Power Unconditioned NRCC-LTI-03-E, page 1

Declaration of Required Installation Certificates – Declare by selecting yes for all Installation Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)

YES	NO	Form/Title	
✓		NRCI-LTI-01-E - Must be submitted for all buildings	☐ Field Inspector
✓		NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐ Field Inspector
	✓	NRCI-LTI-03-E - Must be submitted for a line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting, to be recognized for compliance.	☐ Field Inspector
✓		NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	☐ Field Inspector
✓		NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	☐ Field Inspector
	✓	NRCI-LTI-06-E – Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	☐ Field Inspector

Declaration of Required Certificates of Acceptance – Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify forms are completed and signed.)

YES	NO	Form/Title	
✓		NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	☐ Field Inspector
✓		NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	☐ Field Inspector
	✓	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	☐ Field Inspector

STATE OF CALIFORNIA
INDOOR LIGHTING
(RESIDENTIAL OCCUPANCIES) (Revised 08/14)
CERTIFICATE OF COMPLIANCE
Indoor Lighting
Project Name:
CALIFORNIA ENERGY COMMISSION
NRCC-LTI-01-E
[Page 3 of 5]
Date Prepared:

A separate Lighting Schedule Must be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:
☑ CONDITIONED SPACE ☐ UNCONDITIONED SPACE

A. INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

☐ The actual indoor lighting power listed on this page and on the next page includes all installed permanent and planned portable lighting systems.
☐ When Complete Building Method is used for compliance, list each different type of luminaire on separate lines.
☐ When Area Category Method or Tailored Method is used for compliance, list each different type of luminaire in each different function area on separate lines
☐ Also include track lighting in schedule, and submit the track lighting compliance form (NRCC-LTI-05-E) when line-voltage track lighting is installed.

B. Installed Portable Luminaires in Offices – Exception to Section 140.6(a)

☐ This section shall be filled out ONLY for portable luminaires in offices (As defined in §100.1). All other planned portable luminaires shall be documented on next page of this compliance form.
☐ This section is used to determine if greater than 0.3 watts of portable lighting is planned for any office
☐ Fill out a separate line for each different office. Small offices that are typical (having the same general and portable lighting) may be grouped together. This allowance shall not be traded between offices having different lighting systems.

Office Portable Luminaire Schedule	Office Installed Portable Luminaire Watts Per Square Foot							Note: NLCBC §130.5(d)	Office Location	Field Inspector
A	B	C	D	E	F	G	H	I	J	
Complete Luminaire Description (i.e., LED, under cabinet, furniture mounted desk/cubicle)	Watts per Luminaire	Quantity of Luminaires	Installed portable luminaire watts in this office (B x C)	Square Feet of Area Served by Luminaire(s)	Watts per square foot (D / E)	Watts per square meter (F x 10.8, if P > 0.3)	Allowed Watts (F x G)		Identify Office area in which these portable luminaires are installed	Field Inspector Verified
										☐ ☐
										☐ ☐
										☐ ☐
										☐ ☐
Total installed portable luminaire watts that are greater than 0.3 watts per square foot per office:									Enter sum total of all pages into NRCC-LTI-01-E; Page 1	

STATE OF CALIFORNIA
INDOOR LIGHTING
(RESIDENTIAL OCCUPANCIES) (Revised 08/14)
CERTIFICATE OF COMPLIANCE
Indoor Lighting
Project Name:
CALIFORNIA ENERGY COMMISSION
NRCC-LTI-01-E
[Page 4 of 5]
Date Prepared:

A separate Lighting Schedule Must be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:
☑ CONDITIONED SPACE ☐ UNCONDITIONED SPACE

C. INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

Luminaire Schedule		Installed Watts					Location	Field Inspector [1]	
A	B	C	D	E	F	G	H		
Luminaire Schedule No. (Same as Lighting Schedule)	Complete Luminaire Description: E.g. 8 lamp fluorescent troffer, T32TB, one dimmable electronic ballast	Luminaires and Lamps	Enter wattage was determined: Luminaire and lamp data	Luminaire only data	Ballast Nameplate Data	Total Watts (C x D x E x F)	Primary Function area in which these luminaires are installed	Pass	Fail
Typ	2x4 Surface To Ceiling Strip	95	☐	☐	☑	744	Classroom	☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
	INSTALLED WATTS PAGE TOTAL:					744	Enter sum total of all pages into NRCC-LTI-01-E; Page 2		

STATE OF CALIFORNIA
INDOOR LIGHTING
(RESIDENTIAL OCCUPANCIES) (Revised 08/14)
CERTIFICATE OF COMPLIANCE
Indoor Lighting
Project Name: 24' x 40' SCI PC
CALIFORNIA ENERGY COMMISSION
NRCC-LTI-01-E
[Page 5 of 5]
Date Prepared: 10/15/14

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

Energy Use (ECs) Certificate(s) of Compliance documentation is accurate and complete

Documentation Author Name: Ethan Mulstay		Documentation Author Signature:	Date Signed: 10/15/14
Company: SILVER CREEK		CEA/HERS Certification Identification (if applicable):	
Address: - -		Phone: - -	
City/State/Zip: - -			

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: SILVER CREEK		Responsible Designer Signature:	Date Signed: 10/15/14
Company: SILVER CREEK		License:	
Address: - -		Phone: - -	
City/State/Zip: - -			

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
(RESIDENTIAL OCCUPANCIES) (Revised 08/14)
CERTIFICATE OF COMPLIANCE
Indoor Lighting – Lighting Controls
Project Name: 24' x 40' SCI PC
CALIFORNIA ENERGY COMMISSION
NRCC-LTI-02-E
[Page 1 of 3]
Date Prepared: 10/15/14

The NRCC-LTI-02-E shall be used to document all mandatory and prescriptive lighting controls that are applicable to the project.

Mandatory Lighting Control Declaration Statements (Indicate if the measure applies by checking yes or no below.)

YES	NO	Control Requirements
✓		Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with Section 110.9.
✓		Lighting shall be controlled by a lighting control a system or energy management control system in accordance with §110.9. An Installation Certificate shall be submitted in accordance with Section 130.4(b).
	✓	One or more Track Lighting Integral Current Limiters shall be installed which have been certified to the Energy Commission in accordance with §110.9 and §130.0. Additionally, an Installation Certificate shall be submitted in accordance with Section 130.4(b).
	✓	A Track Lighting Supplementary Overcurrent Protection Panel shall be installed in accordance with Section 130.9 and Section 130.0. Additionally, an Installation Certificate shall be installed in accordance with Section 130.4(b).
✓		All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with Section 130.1.
✓		All luminaires shall be functionally controlled with manually switched ON and OFF lighting controls in accordance with Section 130.1(a).
	✓	General lighting shall be separately controlled from all other lighting systems in an area. Floor and wall display, window display, case display, ornamental, and special effects lighting shall each be separately controlled on circuits that are 20 amps or less. When track lighting is used, general, display, ornamental, and special effects lighting shall each be separately controlled, in accordance with Section 130.1(a)4.
✓		The general lighting of any enclosed area 100 square feet or larger, with a connected lighting load that exceeds 0.5 watts per square foot shall meet the multi-level lighting control requirements in accordance with Section 130.1(b).
✓		All installed indoor lighting shall be equipped with controls that meet the applicable Shut-OFF control requirements in Section 130.1(c).
✓		Lighting in all Daylit Zones shall be controlled in accordance with the requirements in Section 130.1(d) and daylit zones are shown on the plans.
	✓	Lighting power in buildings larger than 10,000 square feet shall be capable of being automatically reduced in response to a Demand Responsive Signal in accordance with section 130.1(e).
✓		Before an occupancy permit is granted for a newly constructed building or area, or a new lighting system serving a building, area, or site is operated for normal use, indoor lighting controls serving the building, area, or site shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with Section 130.4 (a). The controls required to meet the Acceptance Requirements include automatic daylight controls, automatic shut-OFF controls, and demand responsive controls.

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
(RESIDENTIAL OCCUPANCIES) (Revised 08/14)
CERTIFICATE OF COMPLIANCE
Indoor Lighting – Lighting Controls
Project Name:
CALIFORNIA ENERGY COMMISSION
NRCC-LTI-02-E
[Page 2 of 3]
Date Prepared:

A separate document must be filled out for Conditioned and Unconditioned Spaces. This page is used only for the following:
☐ CONDITIONED SPACES ☐ UNCONDITIONED SPACES

MANDATORY AND PRESCRIPTIVE INDOOR LIGHTING CONTROL SCHEDULE, PAF CALCULATION, and FIELD INSPECTION CHECKLIST

Lighting Control Schedule		Standards Complying With [1] (√ all that apply, or enter "0" if Exempted)								PAF Credit Calculation [2]					
A	B	C	D	E	F	G	H	I	J	K	L	M	N	FIELD INSPECTION	
Location in Building	Type/ Description of Lighting Control (i.e.: occupancy sensor, automatic time switch, dimmer, automatic daylight, etc...)	# of Units	§130.1(b)	§130.1(c)	§130.1(d)	§130.1(e)	§140.6(a)	§140.6(b)	§140.6(c)	Allowed Lighting Power (Watts)	PAF	Control Credit (Watts) (J X L X M)	Total Watts Reduced by PAF Control	PASS	FAIL
Class Rm	OS, MS, TMS, MWT, Man	8	X			X				744	.25	186		☐	☐
														☐	☐
														☐	☐
														☐	☐
														☐	☐
														☐	☐
														☐	☐
										Control Credit PAGE TOTAL (Sum of Column M):			186		
										IF MULTIPLE PAGES ARE USED, ENTER SUM TOTAL OF Control Credit for all pages HERE (Sum of all Column M):			186		
													Enter Control Credit total into NRCC-LTI-01-E; Page 1		

1. §120.1(a) = Manual area controls; §130.1(b) = Multi-Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Mandatory Daylight; §130.1(e) = Demand Responsive; §140.6(a) = Additional lighting controls installed to earn a PAF; §140.6(b) = Prescriptive Secondary Sidelit Daylight Controls.
2. Check Table 140.6-A for correct Factor. PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is also required to be filed out, signed, and submitted.

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
(RESIDENTIAL OCCUPANCIES) (Revised 08/14)
CERTIFICATE OF COMPLIANCE
Indoor Lighting – Lighting Controls
Project Name:
CALIFORNIA ENERGY COMMISSION
NRCC-LTI-02-E
[Page 3 of 3]
Date Prepared: 10/15/14

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

Energy Use (ECs) Certificate(s) of Compliance documentation is accurate and complete

Documentation Author Name: Ethan Mulstay		Documentation Author Signature:	Date Signed: 10/15/14
Company: SILVER CREEK		CEA/HERS Certification Identification (if applicable):	
Address: - -		Phone: - -	
City/State/Zip: - -			

RESPONSIBLE PERSON'S DECLARATION STATEMENT

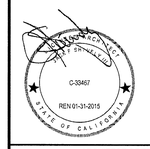
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance.
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: SILVER CREEK		Responsible Designer Signature:	Date Signed: 10/15/14
Company: SILVER CREEK		License:	
Address: - -		Phone: - -	
City/State/Zip: - -			

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
ENERGY CALC'S.
LTI FORMS
24' x 40' BLDG'S



ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC. FLS. SS
DATE APR 1 4 2015

REVISIONS
1
2
3
4
5
6
7
8

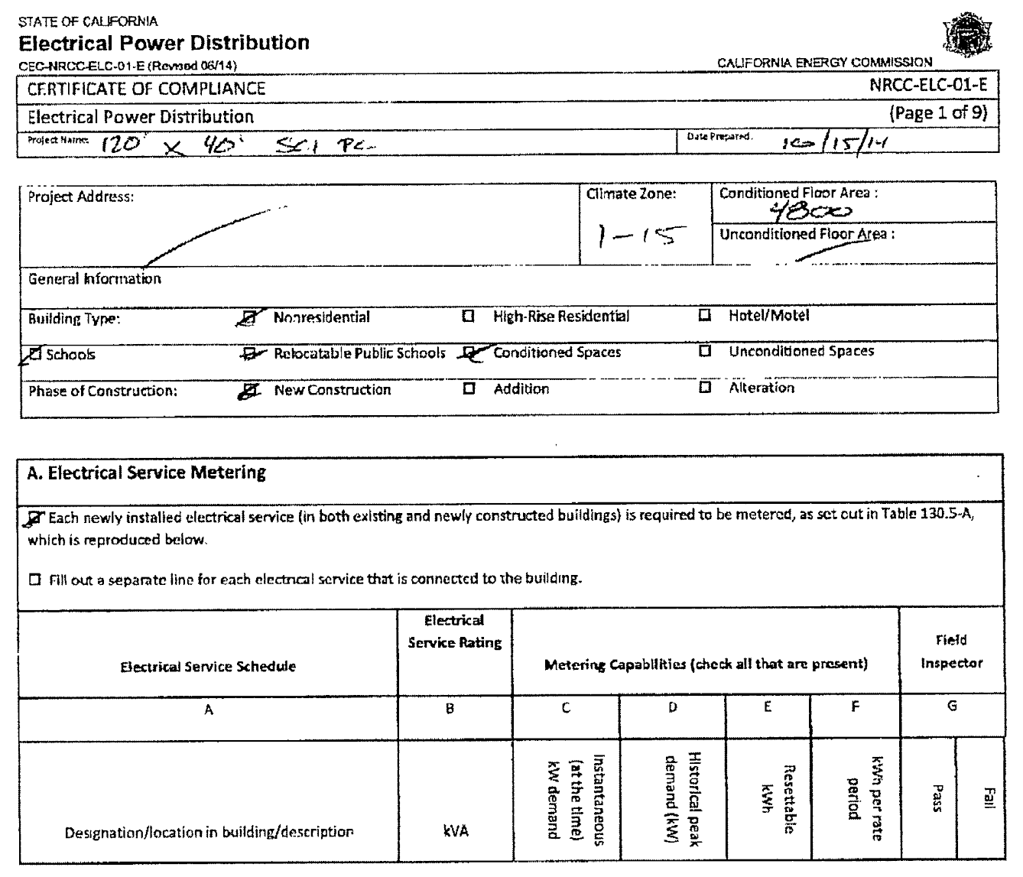
SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-10-14

P.C. SHEET NUMBER
A-0.6C

Lydia Barron

Digitally signed by Lydia Barron
DN: st=California, l=Sacramento, o=California Department of General Services, ou=Division of the State Architect, ou=www.verisign.com/repository/CPS Incorp. by Ref.,LIAB.LTD(c)99, title=Architectural Associate, cn=Lydia Barron, email=lydia.barron@dgs.ca.gov
Date: 2015.02.26 15:28:33 -08'00'



STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 1 of 9)
Project Name: 120' x 40' SCI PC	Date Prepared: 10/15/14

Project Address:	Climate Zone: 1-15	Conditioned Floor Area: 4800 Unconditioned Floor Area:

General Information

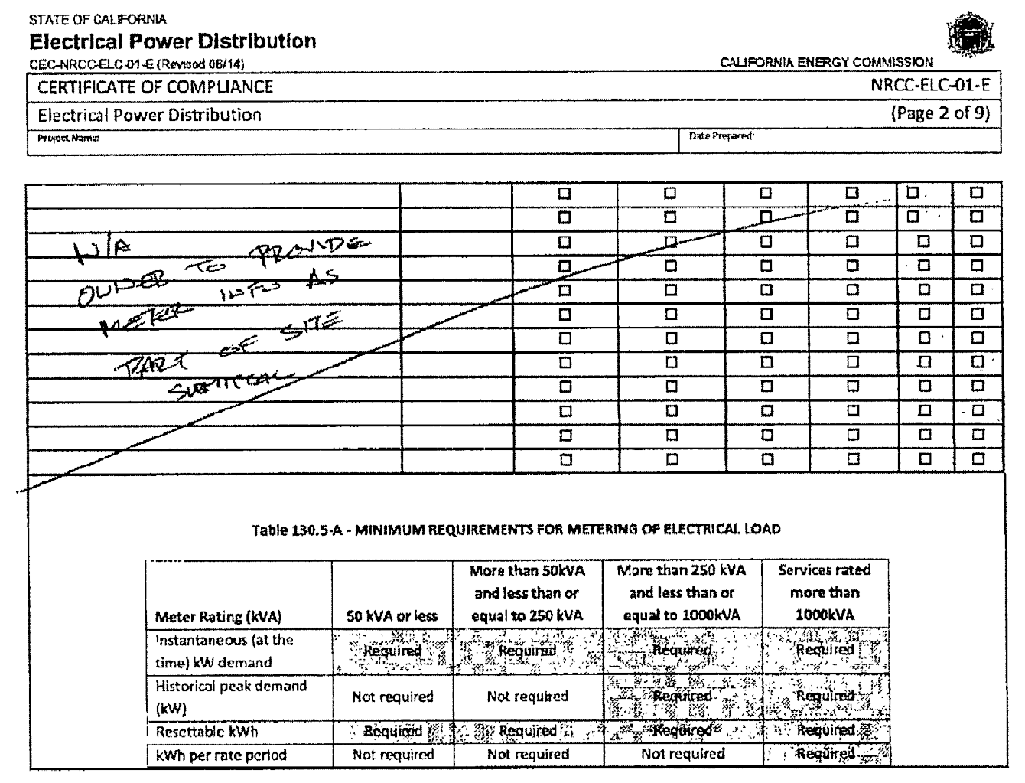
Building Type: ☑ Nonresidential ☐ High-Rise Residential ☐ Hotel/Motel
☑ Schools ☑ Relocatable Public Schools ☑ Conditioned Spaces ☐ Unconditioned Spaces
Phase of Construction: ☑ New Construction ☐ Addition ☐ Alteration

A. Electrical Service Metering

☑ Each newly installed electrical service (in both existing and newly constructed buildings) is required to be metered, as set out in Table 130.5-A, which is reproduced below.

☐ Fill out a separate line for each electrical service that is connected to the building.

Electrical Service Schedule	Electrical Service Rating	Metering Capabilities (check all that are present)				Field Inspector	
A	B	C	D	E	F	G	
Designation/location in building/description	kVA	Instantaneous (at the time) kW demand	Historical peak demand (kW)	Resettable kWh	kWh per rate period	Pass	Fail



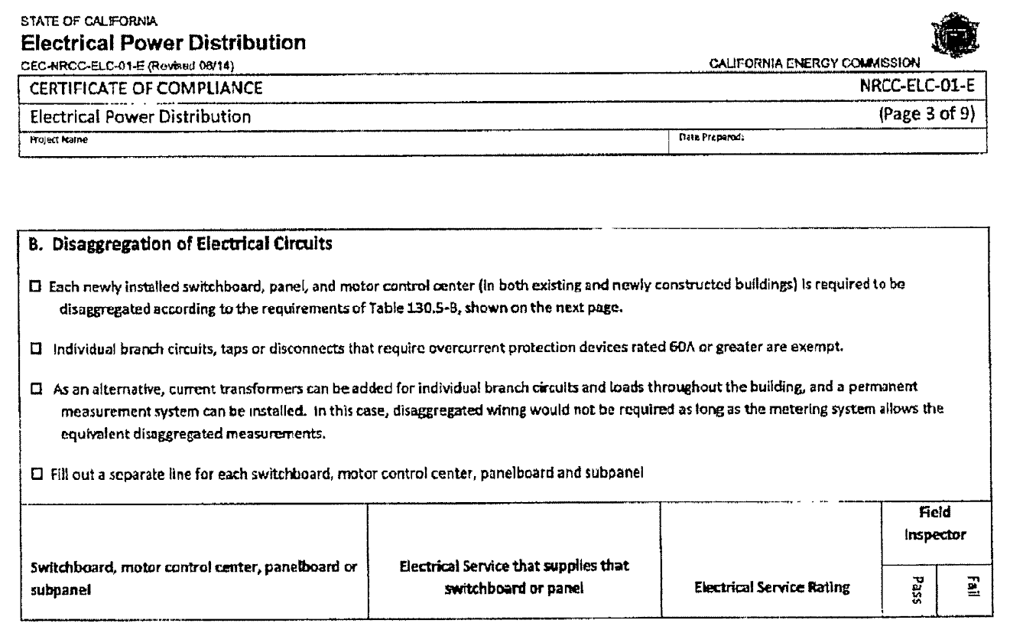
STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 2 of 9)
Project Name:	Date Prepared:

		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐
N/A		☐	☐	☐	☐	☐	☐
OWNER TO PROVIDE		☐	☐	☐	☐	☐	☐
METER INFO AS		☐	☐	☐	☐	☐	☐
PART OF SITE		☐	☐	☐	☐	☐	☐
SUBMITTAL		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐

Table 130.5-A - MINIMUM REQUIREMENTS FOR METERING OF ELECTRICAL LOAD

Meter Rating (kVA)	50 kVA or less	More than 50kVA and less than or equal to 250 kVA	More than 250 kVA and less than or equal to 1000kVA	Services rated more than 1000kVA
Instantaneous (at the time) kW demand	Required	Required	Required	Required
Historical peak demand (kW)	Not required	Not required	Required	Required
Resettable kWh	Required	Required	Required	Required
kWh per rate period	Not required	Not required	Not required	Required



STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 3 of 9)
Project Name	Date Prepared:

B. Disaggregation of Electrical Circuits

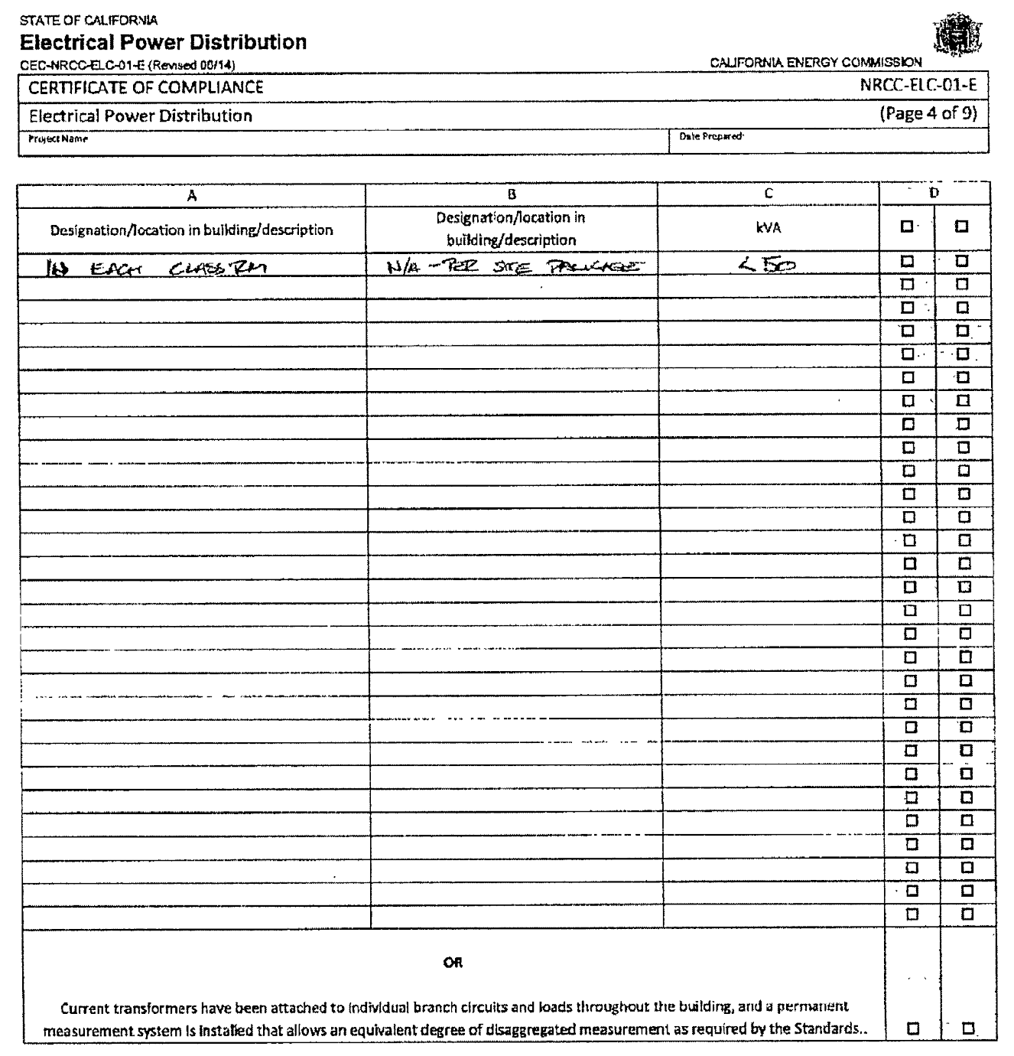
☐ Each newly installed switchboard, panel, and motor control center (in both existing and newly constructed buildings) is required to be disaggregated according to the requirements of Table 130.5-B, shown on the next page.

☐ Individual branch circuits, taps or disconnects that require overcurrent protection devices rated 60A or greater are exempt.

☐ As an alternative, current transformers can be added for individual branch circuits and loads throughout the building, and a permanent measurement system can be installed. In this case, disaggregated wiring would not be required as long as the metering system allows the equivalent disaggregated measurements.

☐ Fill out a separate line for each switchboard, motor control center, panelboard and subpanel

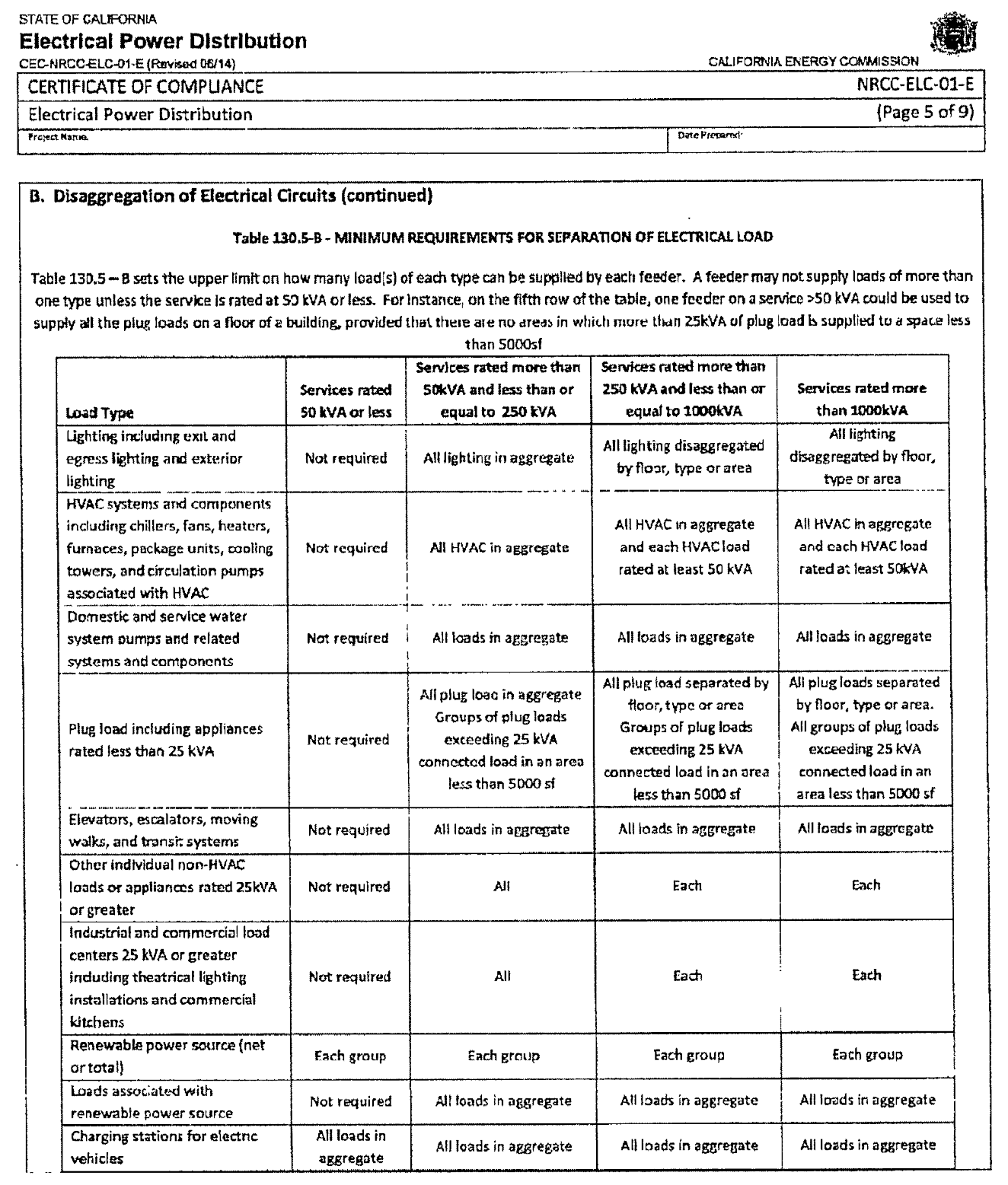
Switchboard, motor control center, panelboard or subpanel	Electrical Service that supplies that switchboard or panel	Electrical Service Rating	Field Inspector	
			Pass	Fail



STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 4 of 9)
Project Name	Date Prepared:

A	B	C	D	
Designation/location in building/description	Designation/location in building/description	kVA	☐	☐
(1) EACH CLASS RM	N/A - PER SITE PACKAGE	< 50	☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
			☐	☐
OR Current transformers have been attached to individual branch circuits and loads throughout the building, and a permanent measurement system is installed that allows an equivalent degree of disaggregated measurement as required by the Standards..			☐	☐



STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

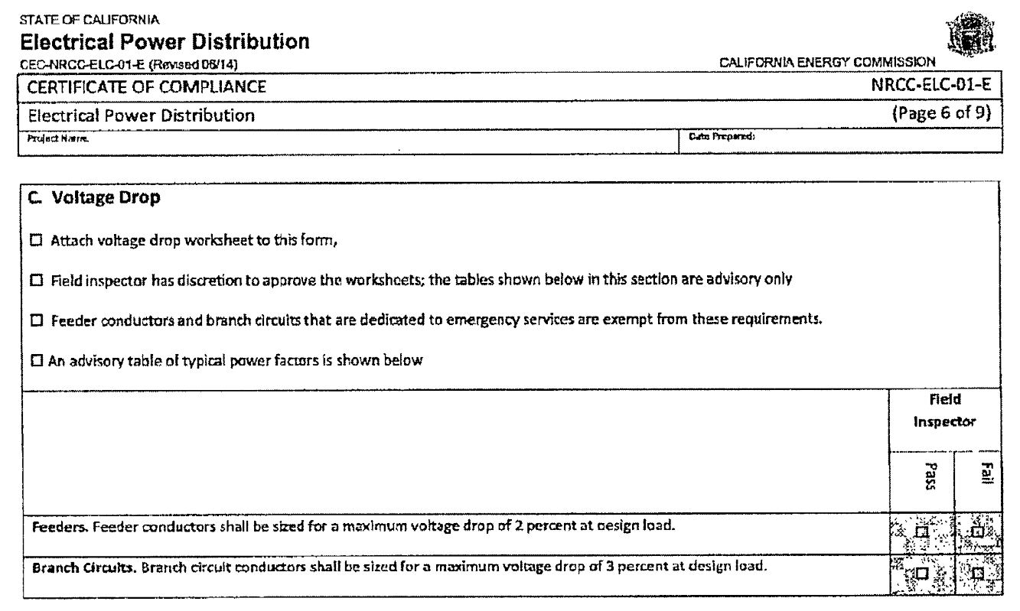
CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 5 of 9)
Project Name	Date Prepared:

B. Disaggregation of Electrical Circuits (continued)

Table 130.5-B - MINIMUM REQUIREMENTS FOR SEPARATION OF ELECTRICAL LOAD

Table 130.5 – B sets the upper limit on how many load(s) of each type can be supplied by each feeder. A feeder may not supply loads of more than one type unless the service is rated at 50 kVA or less. For instance, on the fifth row of the table, one feeder on a service >50 kVA could be used to supply all the plug loads on a floor of a building, provided that there are no areas in which more than 25kVA of plug load is supplied to a space less than 5000sf

Load Type	Services rated 50 kVA or less	Services rated more than 50kVA and less than or equal to 250 kVA	Services rated more than 250 kVA and less than or equal to 1000kVA	Services rated more than 1000kVA
Lighting including exit and egress lighting and exterior lighting	Not required	All lighting in aggregate	All lighting disaggregated by floor, type or area	All lighting disaggregated by floor, type or area
HVAC systems and components including chillers, fans, heaters, furnaces, package units, cooling towers, and circulation pumps associated with HVAC	Not required	All HVAC in aggregate	All HVAC in aggregate and each HVAC load rated at least 50 kVA	All HVAC in aggregate and each HVAC load rated at least 50kVA
Domestic and service water system pumps and related systems and components	Not required	All loads in aggregate	All loads in aggregate	All loads in aggregate
Plug load including appliances rated less than 25 kVA	Not required	All plug load in aggregate Groups of plug loads exceeding 25 kVA connected load in an area less than 5000 sf	All plug load separated by floor, type or area Groups of plug loads exceeding 25 kVA connected load in an area less than 5000 sf	All plug loads separated by floor, type or area. All groups of plug loads exceeding 25 kVA connected load in an area less than 5000 sf
Elevators, escalators, moving walks, and transit systems	Not required	All loads in aggregate	All loads in aggregate	All loads in aggregate
Other individual non-HVAC loads or appliances rated 25kVA or greater	Not required	All	Each	Each
Industrial and commercial load centers 25 kVA or greater including theatrical lighting installations and commercial kitchens	Not required	All	Each	Each
Renewable power source (net or total)	Each group	Each group	Each group	Each group
Loads associated with renewable power source	Not required	All loads in aggregate	All loads in aggregate	All loads in aggregate
Charging stations for electric vehicles	All loads in aggregate	All loads in aggregate	All loads in aggregate	All loads in aggregate



STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 6 of 9)
Project Name.	Date Prepared:

C. Voltage Drop

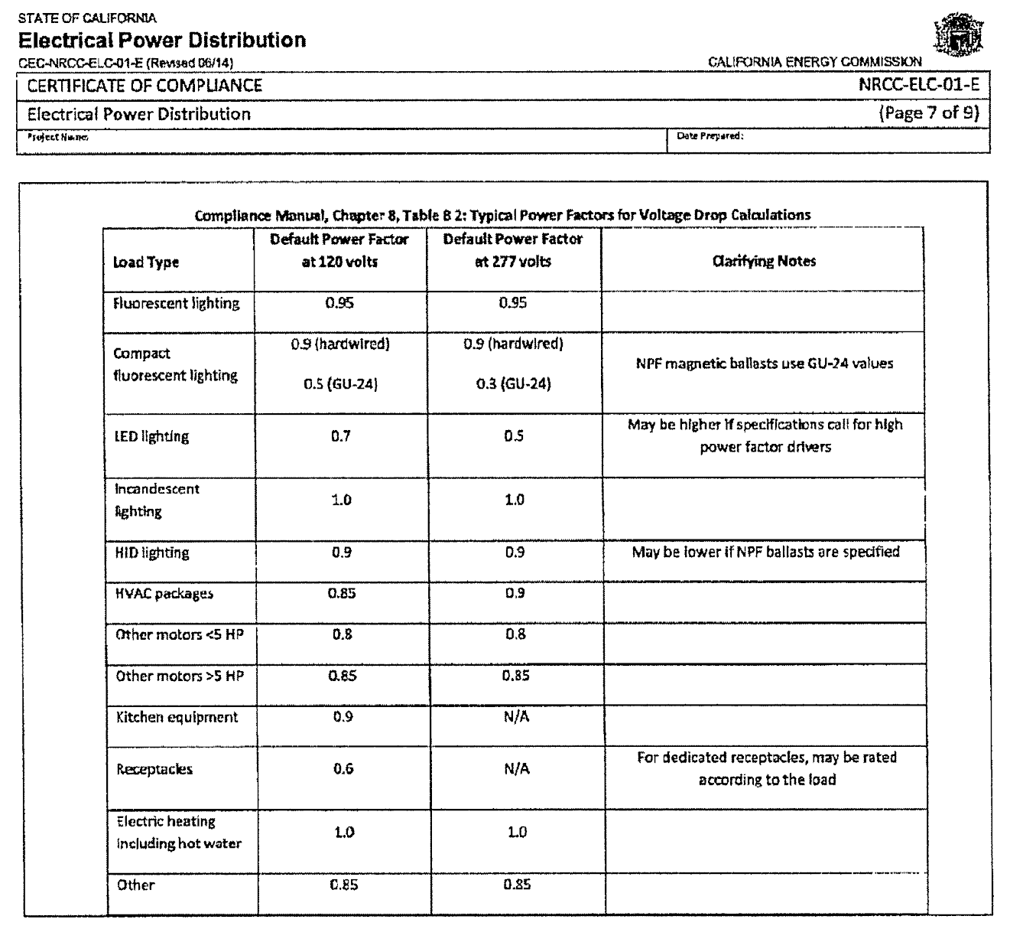
☐ Attach voltage drop worksheet to this form,

☐ Field inspector has discretion to approve the worksheets; the tables shown below in this section are advisory only

☐ Feeder conductors and branch circuits that are dedicated to emergency services are exempt from these requirements.

☐ An advisory table of typical power factors is shown below

	Field Inspector	
	Pass	Fail
Feeders. Feeder conductors shall be sized for a maximum voltage drop of 2 percent at design load.	☐	☐
Branch Circuits. Branch circuit conductors shall be sized for a maximum voltage drop of 3 percent at design load.	☐	☐

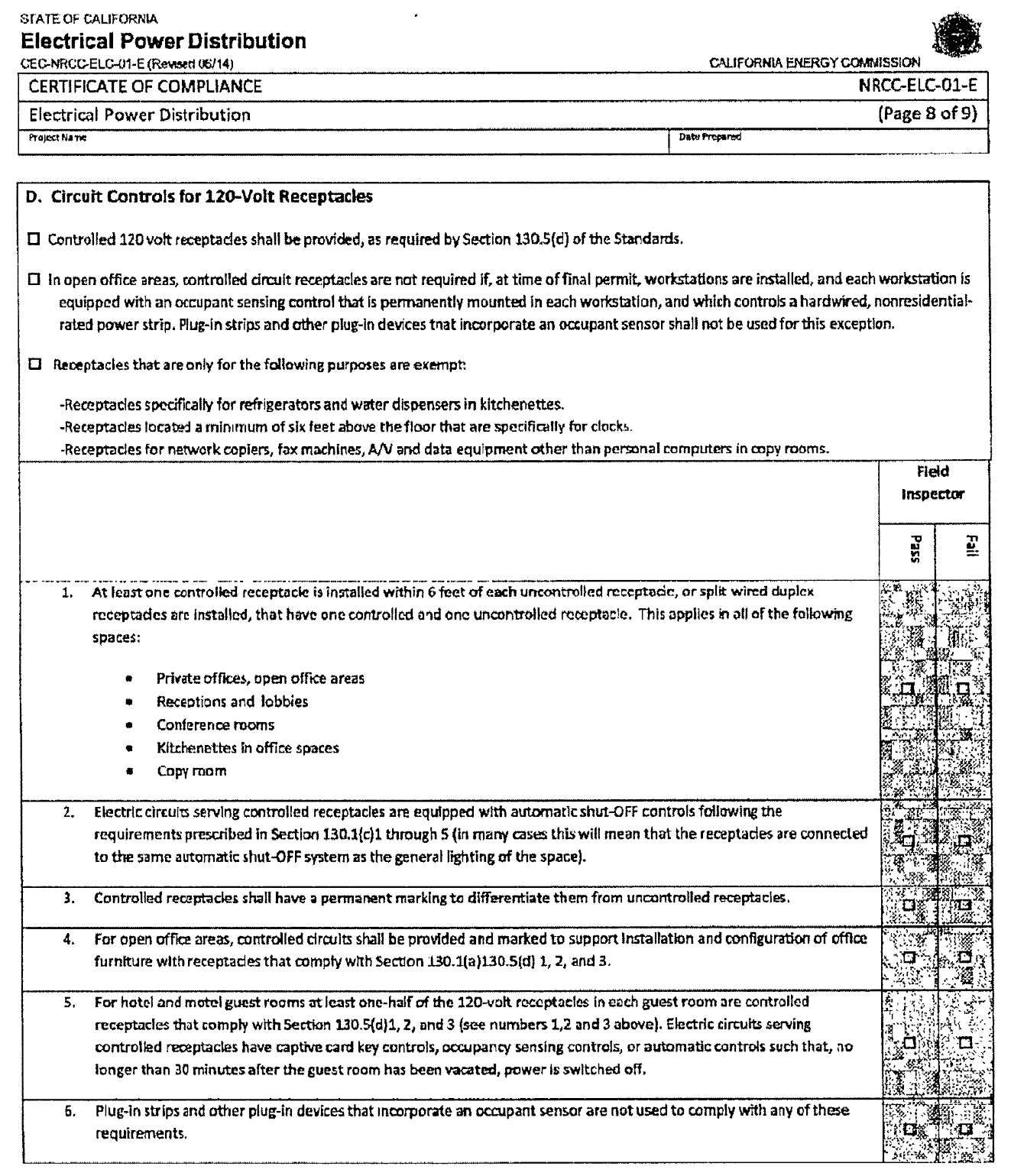


STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 7 of 9)
Project Name:	Date Prepared:

Compliance Manual, Chapter 8, Table 8 2: Typical Power Factors for Voltage Drop Calculations

Load Type	Default Power Factor at 120 volts	Default Power Factor at 277 volts	Clarifying Notes
Fluorescent lighting	0.95	0.95	
Compact fluorescent lighting	0.9 (hardwired) 0.5 (GU-24)	0.9 (hardwired) 0.3 (GU-24)	NPF magnetic ballasts use GU-24 values
LED lighting	0.7	0.5	May be higher if specifications call for high power factor drivers
Incandescent lighting	1.0	1.0	
HID lighting	0.9	0.9	May be lower if NPF ballasts are specified
HVAC packages	0.85	0.9	
Other motors <5 HP	0.8	0.8	
Other motors >5 HP	0.85	0.85	
Kitchen equipment	0.9	N/A	
Receptacles	0.6	N/A	For dedicated receptacles, may be rated according to the load
Electric heating including hot water	1.0	1.0	
Other	0.85	0.85	



STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 8 of 9)
Project Name	Date Prepared

D. Circuit Controls for 120-Volt Receptacles

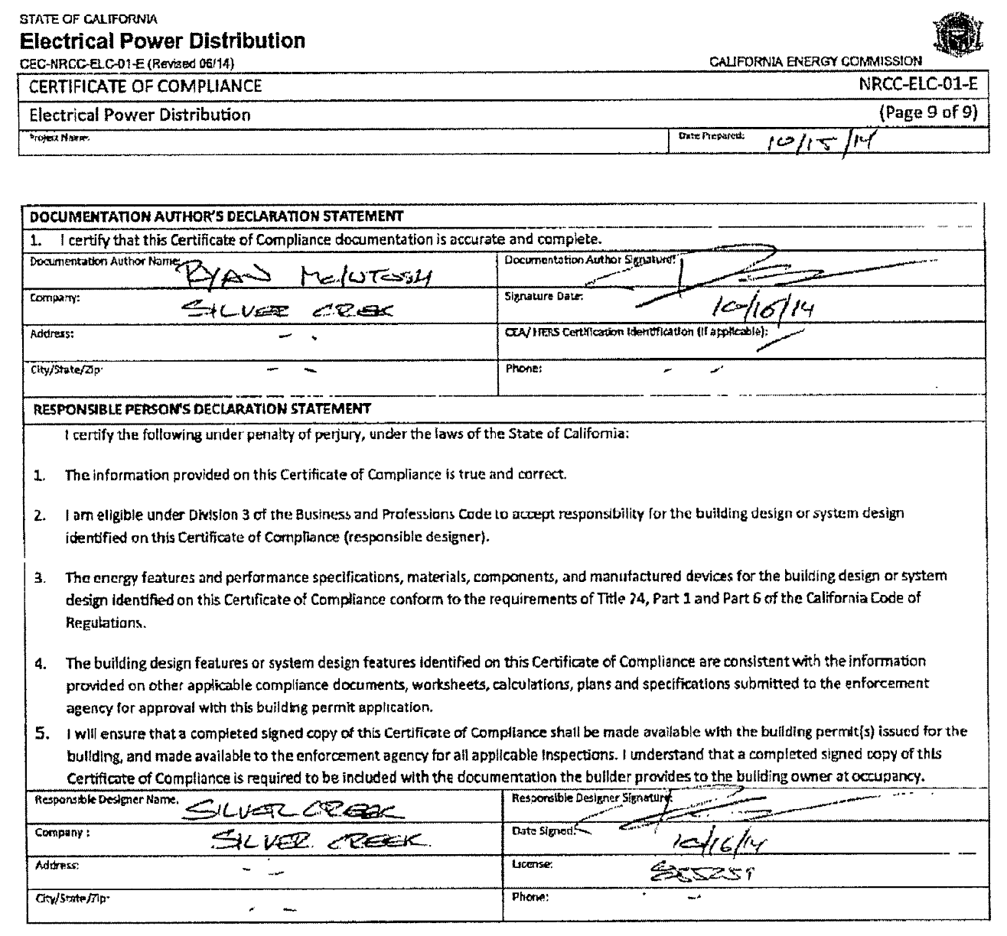
☐ Controlled 120 volt receptacles shall be provided, as required by Section 130.5(d) of the Standards.

☐ In open office areas, controlled circuit receptacles are not required if, at time of final permit, workstations are installed, and each workstation is equipped with an occupant sensing control that is permanently mounted in each workstation, and which controls a hardwired, nonresidential-rated power strip. Plug-in strips and other plug-in devices that incorporate an occupant sensor shall not be used for this exception.

☐ Receptacles that are only for the following purposes are exempt:

-Receptacles specifically for refrigerators and water dispensers in kitchenettes.
-Receptacles located a minimum of six feet above the floor that are specifically for clocks.
-Receptacles for network copiers, fax machines, A/V and data equipment other than personal computers in copy rooms.

	Field Inspector	
	Pass	Fail
1. At least one controlled receptacle is installed within 6 feet of each uncontrolled receptacle, or split wired duplex receptacles are installed, that have one controlled and one uncontrolled receptacle. This applies in all of the following spaces: • Private offices, open office areas • Receptions and lobbies • Conference rooms • Kitchenettes in office spaces • Copy room	☐	☐
2. Electric circuits serving controlled receptacles are equipped with automatic shut-OFF controls following the requirements prescribed in Section 130.1(c)1 through 5 (in many cases this will mean that the receptacles are connected to the same automatic shut-OFF system as the general lighting of the space).	☐	☐
3. Controlled receptacles shall have a permanent marking to differentiate them from uncontrolled receptacles.	☐	☐
4. For open office areas, controlled circuits shall be provided and marked to support installation and configuration of office furniture with receptacles that comply with Section 130.1(a)130.5(d) 1, 2, and 3.	☐	☐
5. For hotel and motel guest rooms at least one-half of the 120-volt receptacles in each guest room are controlled receptacles that comply with Section 130.5(d)1, 2, and 3 (see numbers 1,2 and 3 above). Electric circuits serving controlled receptacles have captive card key controls, occupancy sensing controls, or automatic controls such that, no longer than 30 minutes after the guest room has been vacated, power is switched off.	☐	☐
6. Plug-in strips and other plug-in devices that incorporate an occupant sensor are not used to comply with any of these requirements.	☐	☐



STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 9 of 9)
Project Name:	Date Prepared: 10/15/14

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: RYAN McINTOSH	Documentation Author Signature:
Company: SILVER CREEK	Signature Date: 10/16/14
Address:	CEA/HERS Certification Identification (If applicable):
City/State/Zip:	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: SILVER CREEK	Responsible Designer Signature:
Company: SILVER CREEK	Date Signed: 10/16/14
Address:	License: C33257
City/State/Zip:	Phone:

Lydia Barron

Digitally signed by Lydia Barron
DN: st=California, l=Sacramento, o=California Department of General Services, ou=Division of the State Architect, ou=www.verisign.com/repository/CPS Incorp. by Ref.,LIAB.LTD(c)99, title=Architectural Associate, cn=Lydia Barron, email=lydia.barron@dgs.ca.gov
Date: 2015.02.26 15:30:24 -08'00'

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
ENERGY CALC'S.
ELC FORMS
120' x 40' BLDG'S

JACK F SHIVELY III
C-33467
REN 01-31-2015

ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

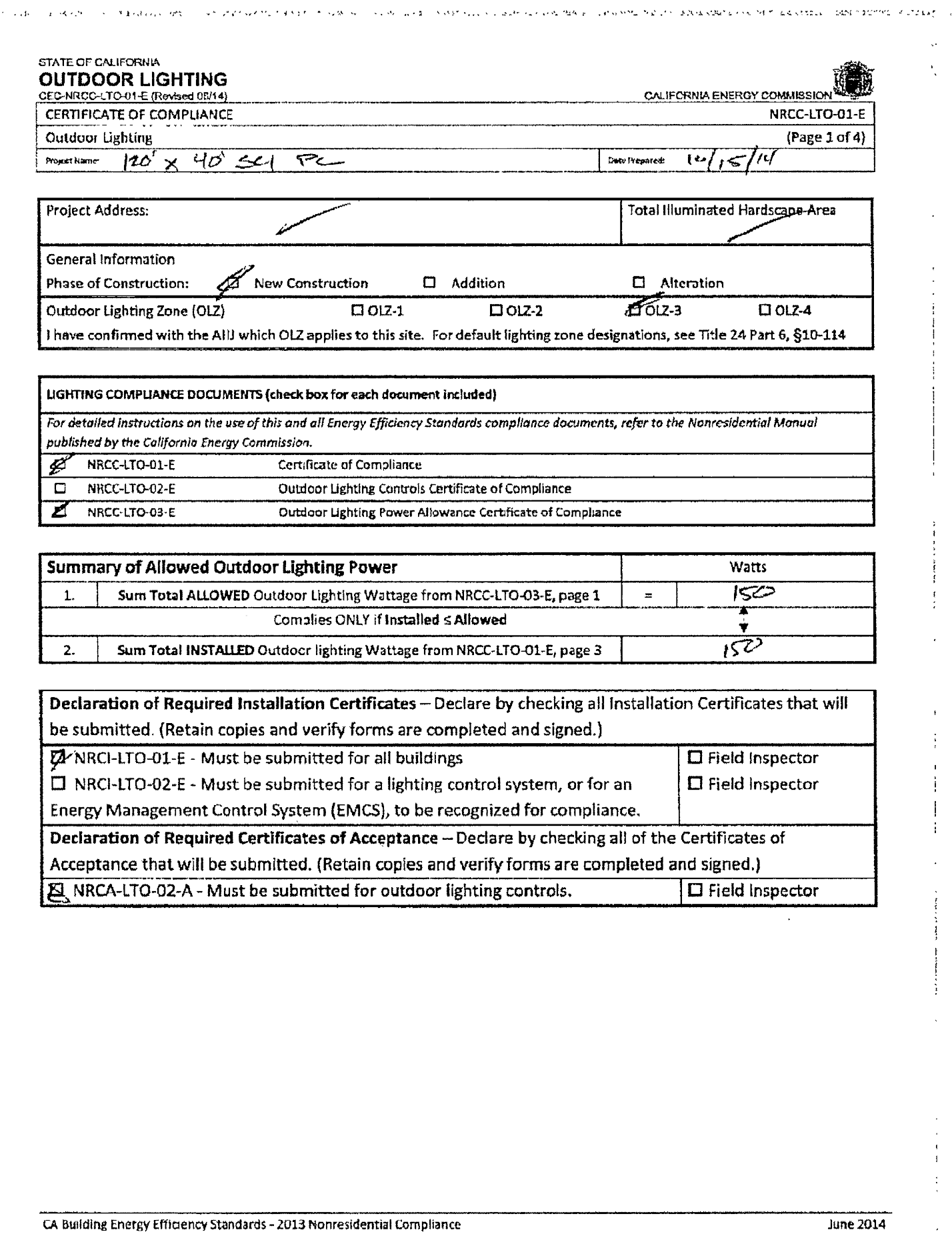
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC — FLS / SS
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-10-14

P.C. SHEET NUMBER
A-0.6D



STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 1 of 4)
Project Name: 120' x 40' SCI PC	Date Prepared: 10/15/14

Project Address:	Total Illuminated Hardscape Area

General Information
Phase of Construction: ☑ New Construction ☐ Addition ☐ Alteration
Outdoor Lighting Zone (OLZ) ☐ OLZ-1 ☐ OLZ-2 ☑ OLZ-3 ☐ OLZ-4
I have confirmed with the AHJ which OLZ applies to this site. For default lighting zone designations, see Title 24 Part 6, §10-114

LIGHTING COMPLIANCE DOCUMENTS (check box for each document included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.

☑	NRCC-LTO-01-E	Certificate of Compliance
☐	NRCC-LTO-02-E	Outdoor Lighting Controls Certificate of Compliance
☑	NRCC-LTO-03-E	Outdoor Lighting Power Allowance Certificate of Compliance

Summary of Allowed Outdoor Lighting Power			Watts
1.	Sum Total ALLOWED Outdoor Lighting Wattage from NRCC-LTO-03-E, page 1	=	150
	Complies ONLY if Installed ≤ Allowed		
2.	Sum Total INSTALLED Outdoor lighting Wattage from NRCC-LTO-01-E, page 3		150

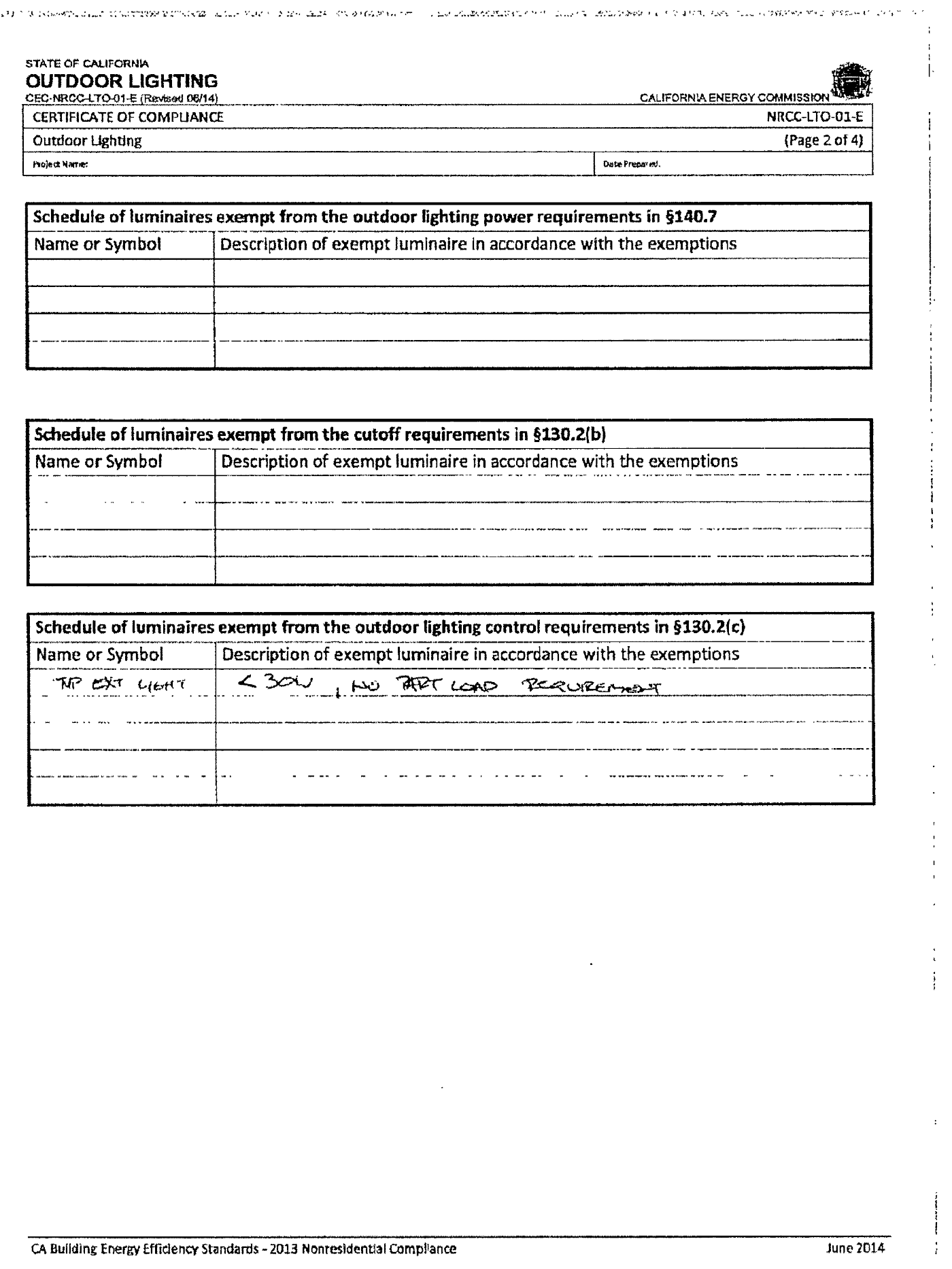
Declaration of Required Installation Certificates – Declare by checking all Installation Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)

☑ NRCI-LTO-01-E - Must be submitted for all buildings	☐ Field Inspector
☐ NRCI-LTO-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐ Field Inspector

Declaration of Required Certificates of Acceptance – Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify forms are completed and signed.)

☒ NRCA-LTO-02-A - Must be submitted for outdoor lighting controls.	☐ Field Inspector

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014



STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 2 of 4)
Project Name:	Date Prepared:

Schedule of luminaires exempt from the outdoor lighting power requirements in §140.7

Name or Symbol	Description of exempt luminaire in accordance with the exemptions

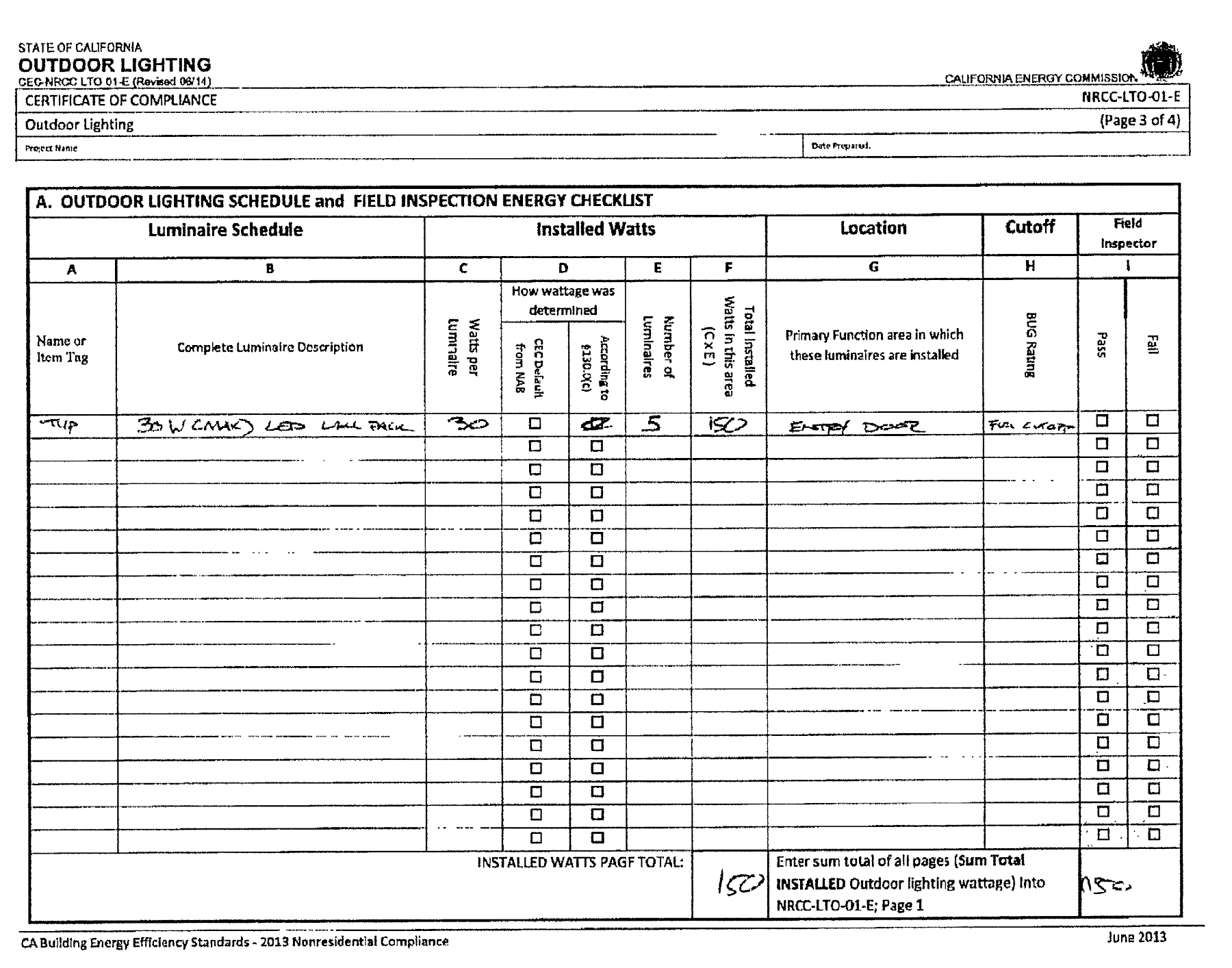
Schedule of luminaires exempt from the cutoff requirements in §130.2(b)

Name or Symbol	Description of exempt luminaire in accordance with the exemptions

Schedule of luminaires exempt from the outdoor lighting control requirements in §130.2(c)

Name or Symbol	Description of exempt luminaire in accordance with the exemptions
TYP EXT LIGHT	< 30W, NO PART LOAD REQUIREMENT

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014



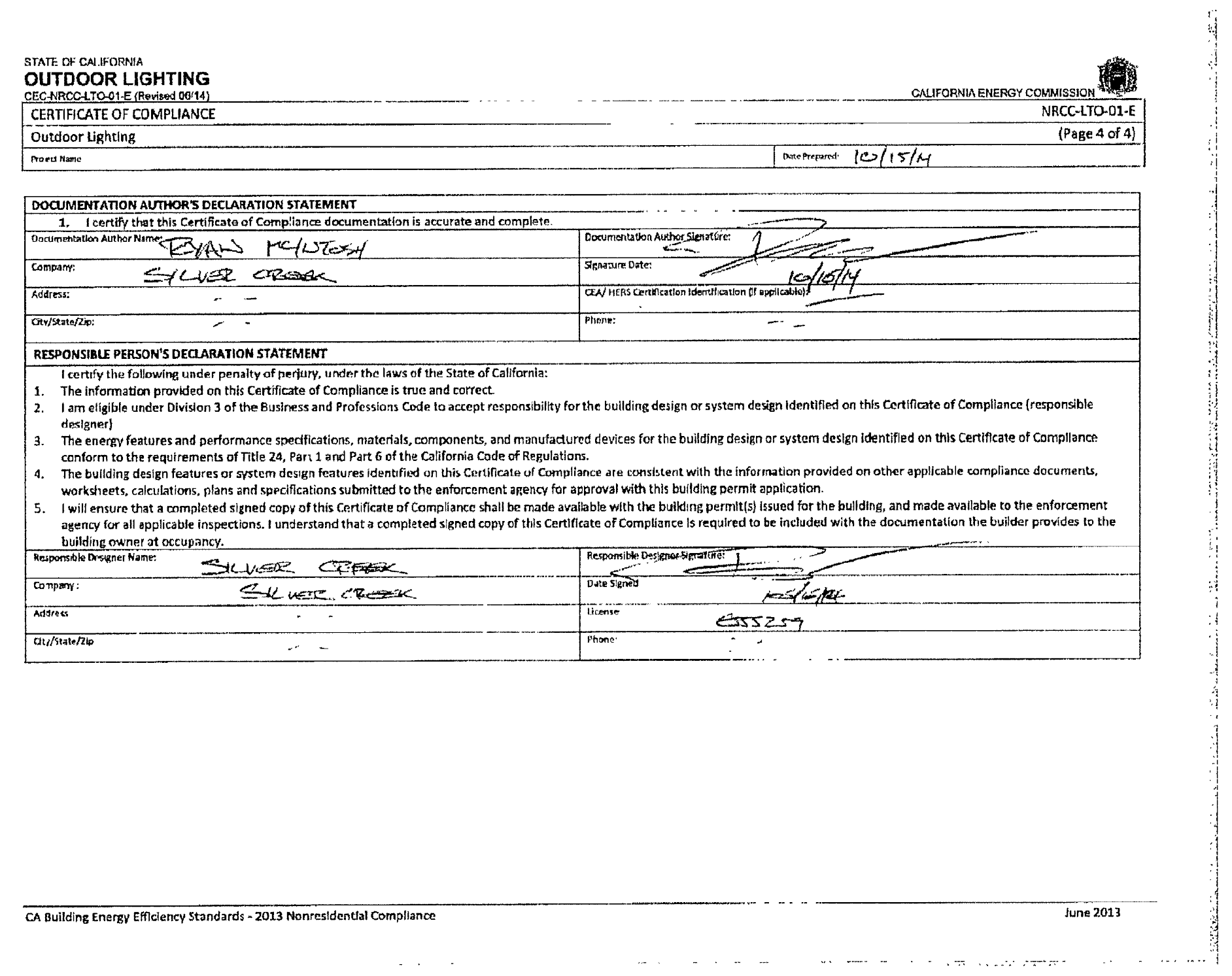
STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 3 of 4)
Project Name:	Date Prepared:

A. OUTDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

Luminaire Schedule		Installed Watts					Location	Cutoff	Field Inspector	
A	B	C	D		E	F	G	H	I	
			How wattage was determined							
Name or Item Tag	Complete Luminaire Description	Watts per Luminaire	CEC Default from NA8	According to §130.0(c)	Number of Luminaires	Total Installed Watts in this area (C x E)	Primary Function area in which these luminaires are installed	BUG Rating	Pass	Fail
TYP	30 W (MAX) LED WALL PACK	30	☐	☑	5	150	ENTRY DOOR	FULL CUTOFF	☐	☐
			☐	☐					☐	☐
			☐	☐					☐	☐
			☐	☐					☐	☐
			☐	☐					☐	☐
			☐	☐					☐	☐
			☐	☐					☐	☐
			☐	☐					☐	☐
			☐	☐					☐	☐
			☐	☐					☐	☐
			☐	☐					☐	☐
			☐	☐					☐	☐
			☐	☐					☐	☐
			☐	☐					☐	☐
			☐	☐					☐	☐
			☐	☐					☐	☐
			☐	☐					☐	☐
			☐	☐					☐	☐
			☐	☐					☐	☐
INSTALLED WATTS PAGE TOTAL:						150	Enter sum total of all pages (Sum Total INSTALLED Outdoor lighting wattage) Into NRCC-LTO-01-E; Page 1		150	

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2013



STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 4 of 4)
Project Name	Date Prepared: 10/15/14

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: RYAN MCINTOSH	Documentation Author Signature:
Company: SILVER CREEK	Signature Date: 10/15/14
Address:	CEA/ HERS Certification Identification (if applicable):
City/State/Zip:	Phone:

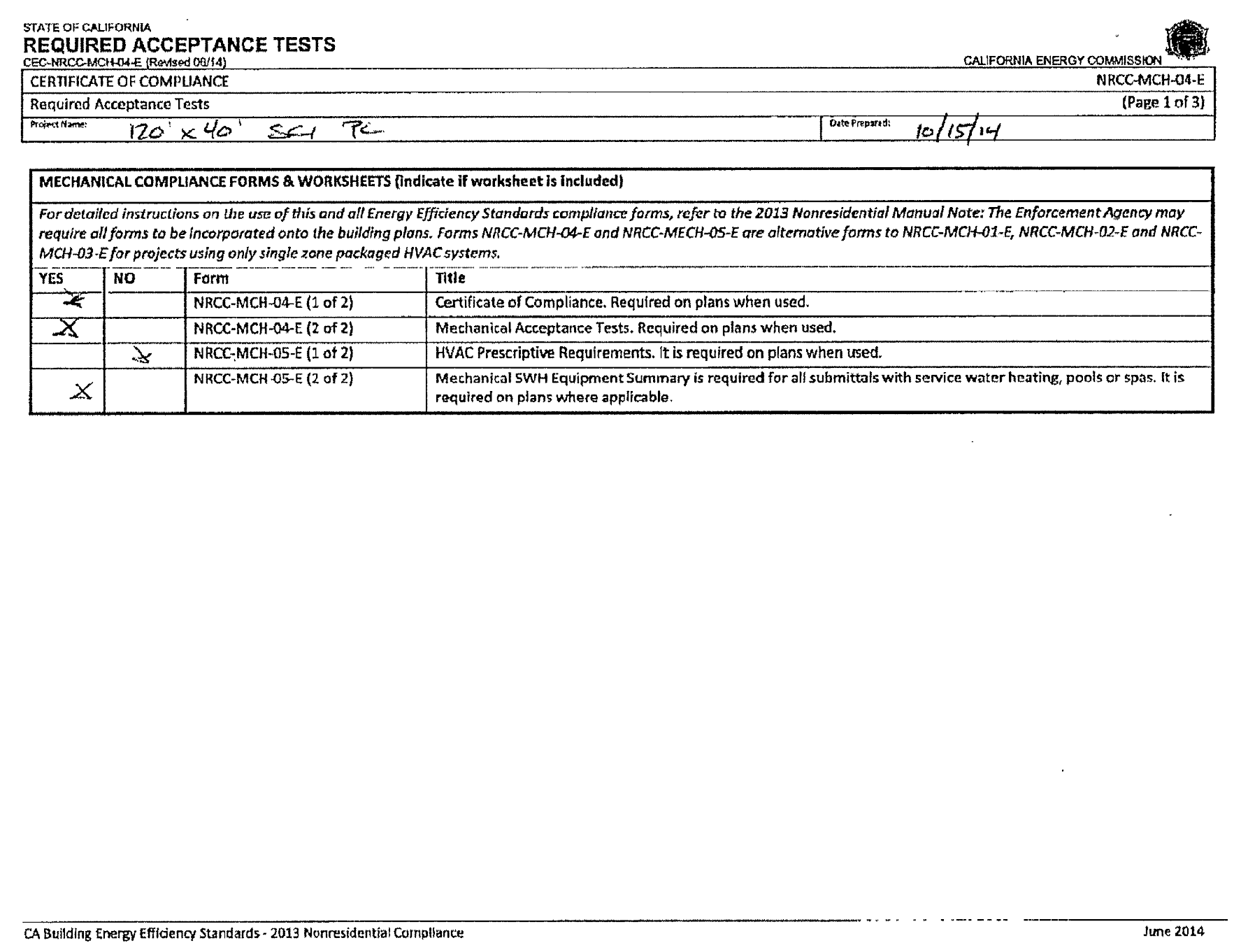
RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: SILVER CREEK	Responsible Designer Signature:
Company: SILVER CREEK	Date Signed: 10/15/14
Address	License: E55259
City/State/Zip	Phone:

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2013



STATE OF CALIFORNIA
REQUIRED ACCEPTANCE TESTS
CEC-NRCC-MCH-04-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

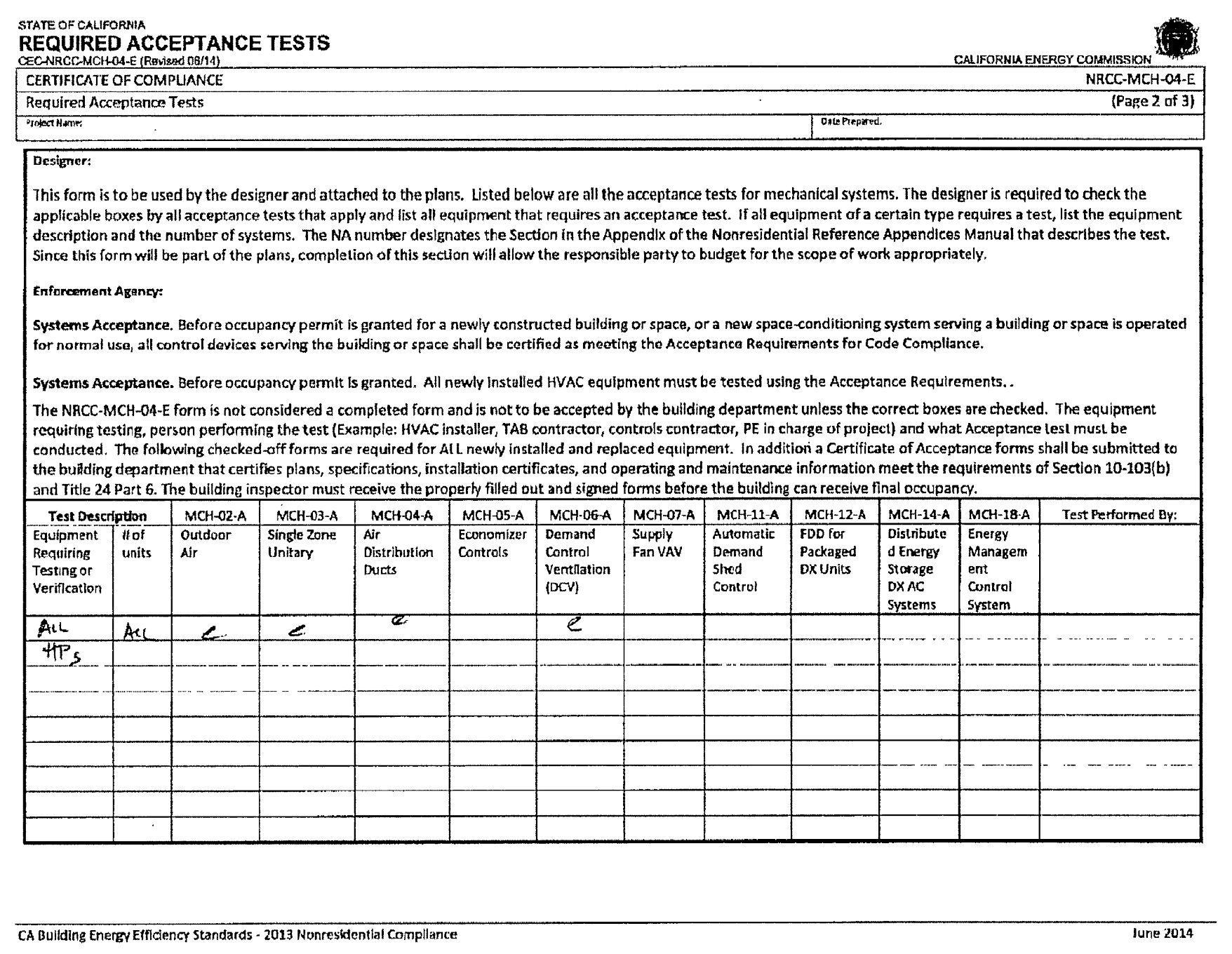
CERTIFICATE OF COMPLIANCE	NRCC-MCH-04-E
Required Acceptance Tests	(Page 1 of 3)
Project Name: 120' x 40' SCI PC	Date Prepared: 10/15/14

MECHANICAL COMPLIANCE FORMS & WORKSHEETS (indicate if worksheet is included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, refer to the 2013 Nonresidential Manual Note: The Enforcement Agency may require all forms to be incorporated onto the building plans. Forms NRCC-MCH-04-E and NRCC-MECH-05-E are alternative forms to NRCC-MCH-01-E, NRCC-MCH-02-E and NRCC-MCH-03-E for projects using only single zone packaged HVAC systems.

YES	NO	Form	Title
X		NRCC-MCH-04-E (1 of 2)	Certificate of Compliance. Required on plans when used.
X		NRCC-MCH-04-E (2 of 2)	Mechanical Acceptance Tests. Required on plans when used.
	X	NRCC-MCH-05-E (1 of 2)	HVAC Prescriptive Requirements. It is required on plans when used.
X		NRCC-MCH-05-E (2 of 2)	Mechanical SWH Equipment Summary is required for all submittals with service water heating, pools or spas. It is required on plans where applicable.

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014



STATE OF CALIFORNIA
REQUIRED ACCEPTANCE TESTS
CEC-NRCC-MCH-04-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-04-E
Required Acceptance Tests	(Page 2 of 3)
Project Name:	Date Prepared:

Designer:

This form is to be used by the designer and attached to the plans. Listed below are all the acceptance tests for mechanical systems. The designer is required to check the applicable boxes by all acceptance tests that apply and list all equipment that requires an acceptance test. If all equipment of a certain type requires a test, list the equipment description and the number of systems. The NA number designates the Section in the Appendix of the Nonresidential Reference Appendices Manual that describes the test. Since this form will be part of the plans, completion of this section will allow the responsible party to budget for the scope of work appropriately.

Enforcement Agency:

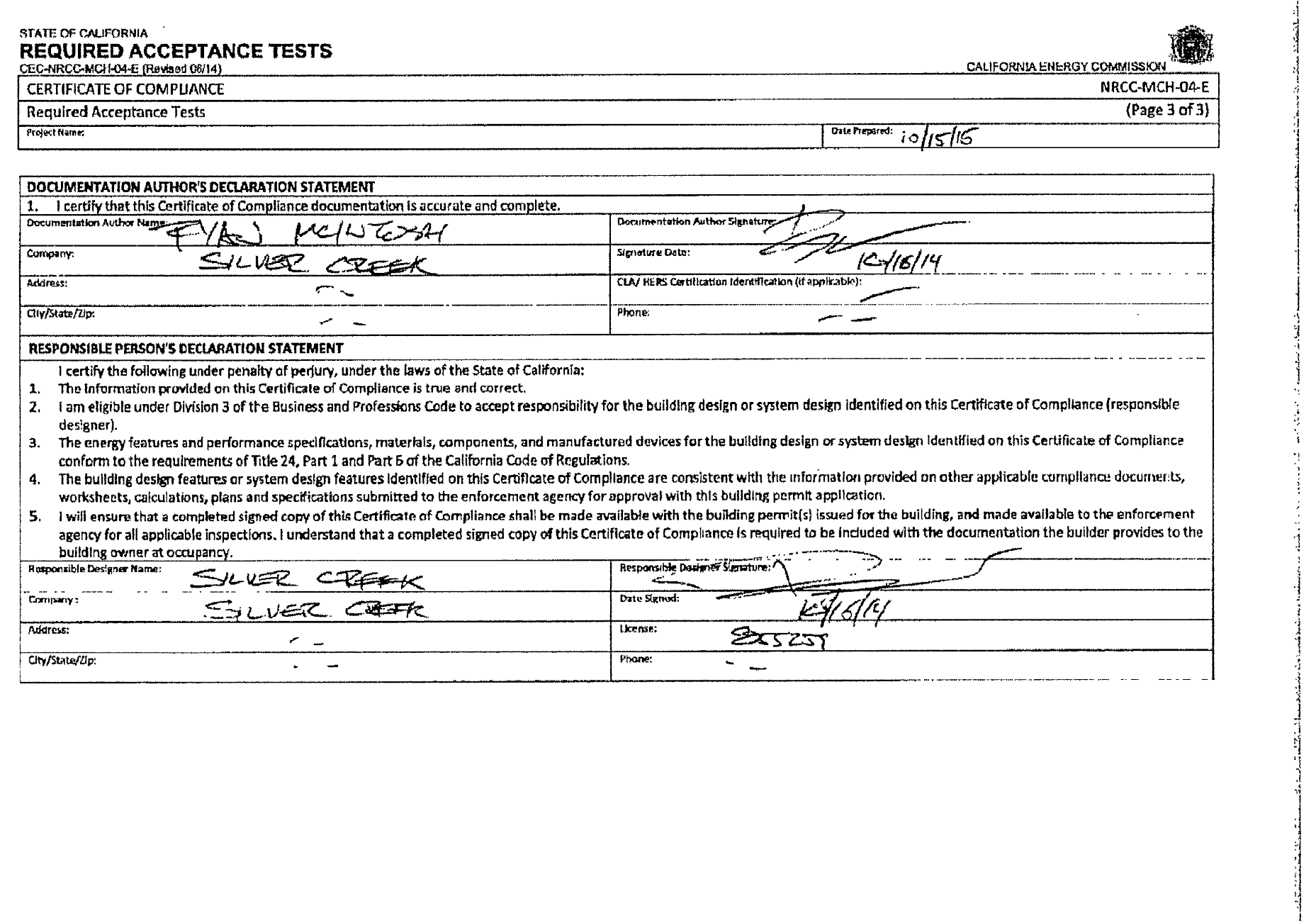
Systems Acceptance. Before occupancy permit is granted for a newly constructed building or space, or a new space-conditioning system serving a building or space is operated for normal use, all control devices serving the building or space shall be certified as meeting the Acceptance Requirements for Code Compliance.

Systems Acceptance. Before occupancy permit is granted. All newly installed HVAC equipment must be tested using the Acceptance Requirements..

The NRCC-MCH-04-E form is not considered a completed form and is not to be accepted by the building department unless the correct boxes are checked. The equipment requiring testing, person performing the test (Example: HVAC installer, TAB contractor, controls contractor, PE in charge of project) and what Acceptance test must be conducted. The following checked-off forms are required for ALL newly installed and replaced equipment. In addition a Certificate of Acceptance forms shall be submitted to the building department that certifies plans, specifications, installation certificates, and operating and maintenance information meet the requirements of Section 10-103(b) and Title 24 Part 6. The building inspector must receive the properly filled out and signed forms before the building can receive final occupancy.

Test Description		MCH-02-A	MCH-03-A	MCH-04-A	MCH-05-A	MCH-06-A	MCH-07-A	MCH-11-A	MCH-12-A	MCH-14-A	MCH-18-A	Test Performed By:
Equipment Requiring Testing or Verification	# of units	Outdoor Air	Single Zone Unitary	Air Distribution Ducts	Economizer Controls	Demand Control Ventilation (DCV)	Supply Fan VAV	Automatic Demand Shed Control	FDD for Packaged DX Units	Distributed Energy Storage DX AC Systems	Energy Management Control System	
ALL HPs	ALL	✓	✓	✓		✓						

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014



STATE OF CALIFORNIA
REQUIRED ACCEPTANCE TESTS
CEC-NRCC-MCH-04-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-04-E
Required Acceptance Tests	(Page 3 of 3)
Project Name:	Date Prepared: 10/15/15

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: RYAN MCINTOSH	Documentation Author Signature:
Company: SILVER CREEK	Signature Date: 10/15/14
Address:	CEA/ HERS Certification Identification (if applicable):
City/State/Zip:	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: SILVER CREEK	Responsible Designer Signature:
Company: SILVER CREEK	Date Signed: 10/15/14
Address:	License: E55259
City/State/Zip:	Phone:

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

Lydia
Barron

Digitally signed by Lydia Barron
DN: st=California, l=Sacramento, o=California Department of General Services, ou=Division of the State Architect, ou=www.verisign.com/repository/CPS Incorp. by Ref.,LIAB.LTD(c)99, title=Architectural Associate, cn=Lydia Barron, email=lydia.barron@dgs.ca.gov
Date: 2015.02.26 15:31:39 -08'00'

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
"BUILDING FOR THE NEXT GENERATION"
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE VARIOUS BUILDING SIZES

SHEET TITLE.
ENERGY CALC'S.
LTO / MCH FORMS
120' x 40' BLDG'S

JACK F SHIVELY III
C-33467
REN 01-31-2015

ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

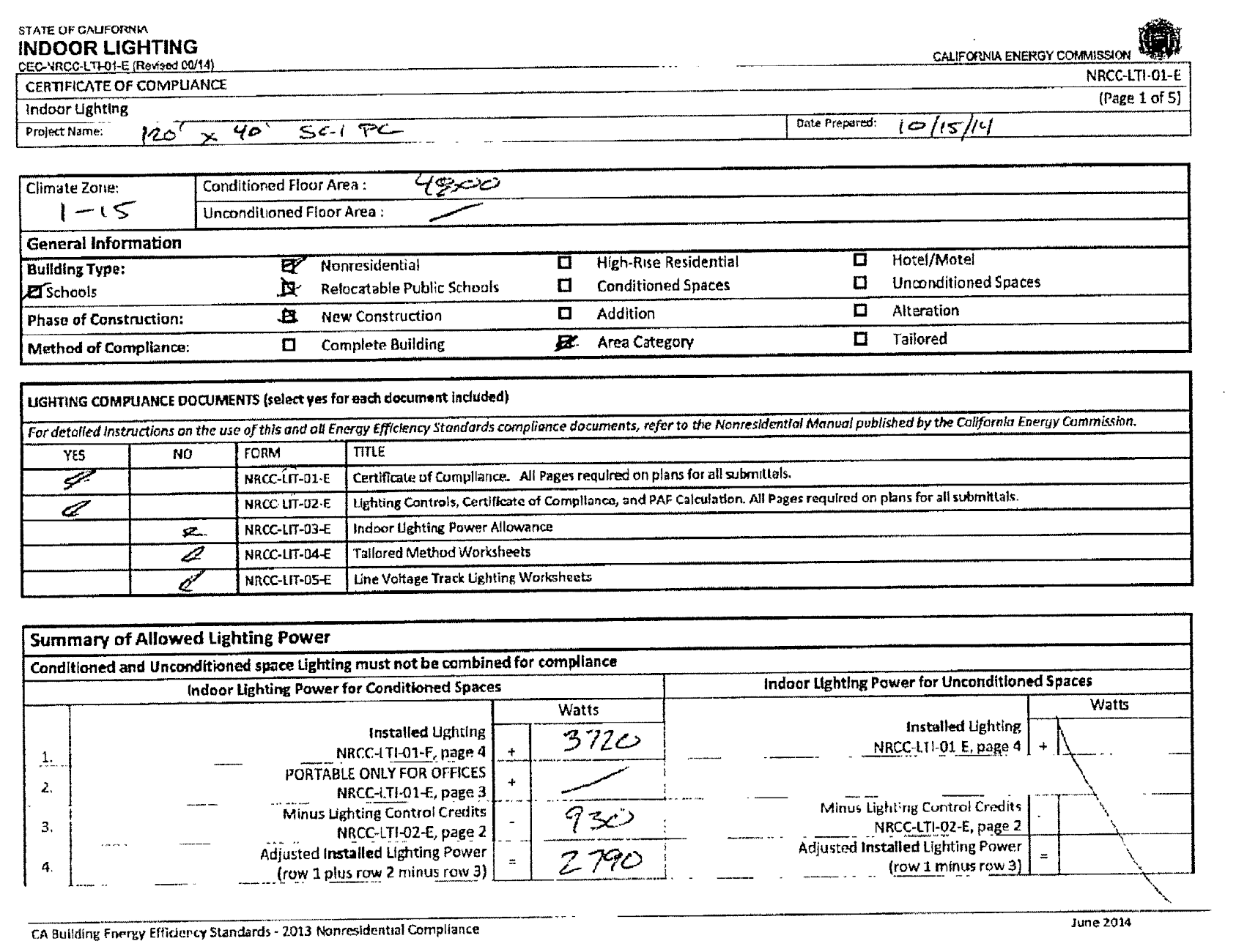
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC FLS SS
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-10-14

P.C. SHEET NUMBER
A-0.6E



STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-LTI-01-E (Page 1 of 5)
Indoor Lighting
Project Name: 120' x 40' SC-I PC — Date Prepared: 10/15/14

Climate Zone: 1-15	Conditioned Floor Area : 4800					
	Unconditioned Floor Area : —					
General Information						
Building Type:	☒	Nonresidential	☐	High-Rise Residential	☐	Hotel/Motel
☒ Schools	☒	Relocatable Public Schools	☐	Conditioned Spaces	☐	Unconditioned Spaces
Phase of Construction:	☒	New Construction	☐	Addition	☐	Alteration
Method of Compliance:	☐	Complete Building	☒	Area Category	☐	Tailored

LIGHTING COMPLIANCE DOCUMENTS (select yes for each document included)

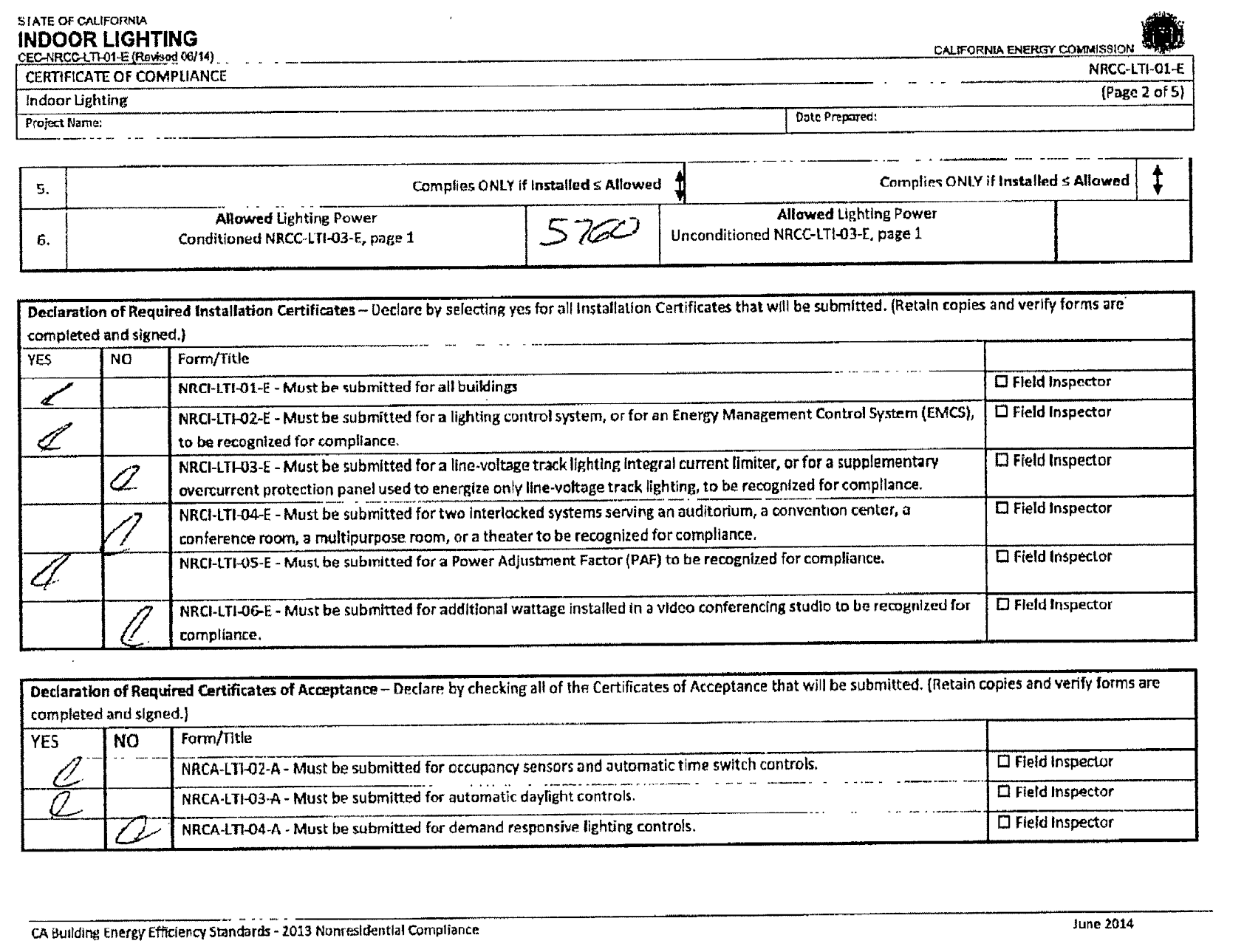
For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.

YES	NO	FORM	TITLE
✓		NRCC-LIT-01-E	Certificate of Compliance. All Pages required on plans for all submittals.
✓		NRCC-LIT-02-E	Lighting Controls, Certificate of Compliance, and PAF Calculation. All Pages required on plans for all submittals.
	✓	NRCC-LIT-03-E	Indoor Lighting Power Allowance
	✓	NRCC-LIT-04-E	Tailored Method Worksheets
	✓	NRCC-LIT-05-E	Line Voltage Track Lighting Worksheets

Summary of Allowed Lighting Power
Conditioned and Unconditioned space Lighting must not be combined for compliance

Indoor Lighting Power for Conditioned Spaces			Watts	Indoor Lighting Power for Unconditioned Spaces		Watts
1.	Installed Lighting NRCC-LTI-01-E, page 4	+	3720	Installed Lighting NRCC-LTI-01 E, page 4	+	
2.	PORTABLE ONLY FOR OFFICES NRCC-LTI-01-E, page 3	+	—			
3.	Minus Lighting Control Credits NRCC-LTI-02-E, page 2	-	930	Minus Lighting Control Credits NRCC-LTI-02-E, page 2	-	
4.	Adjusted Installed Lighting Power (row 1 plus row 2 minus row 3)	=	2790	Adjusted Installed Lighting Power (row 1 minus row 3)	=	

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance — June 2014



STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-LTI-01-E (Page 2 of 5)
Indoor Lighting
Project Name: — Date Prepared:

5.	Complies ONLY if Installed ≤ Allowed ↕		Complies ONLY if Installed ≤ Allowed ↕	
6.	**Allowed** Lighting Power Conditioned NRCC-LTI-03-E, page 1	5760	**Allowed** Lighting Power Unconditioned NRCC-LTI-03-E, page 1	

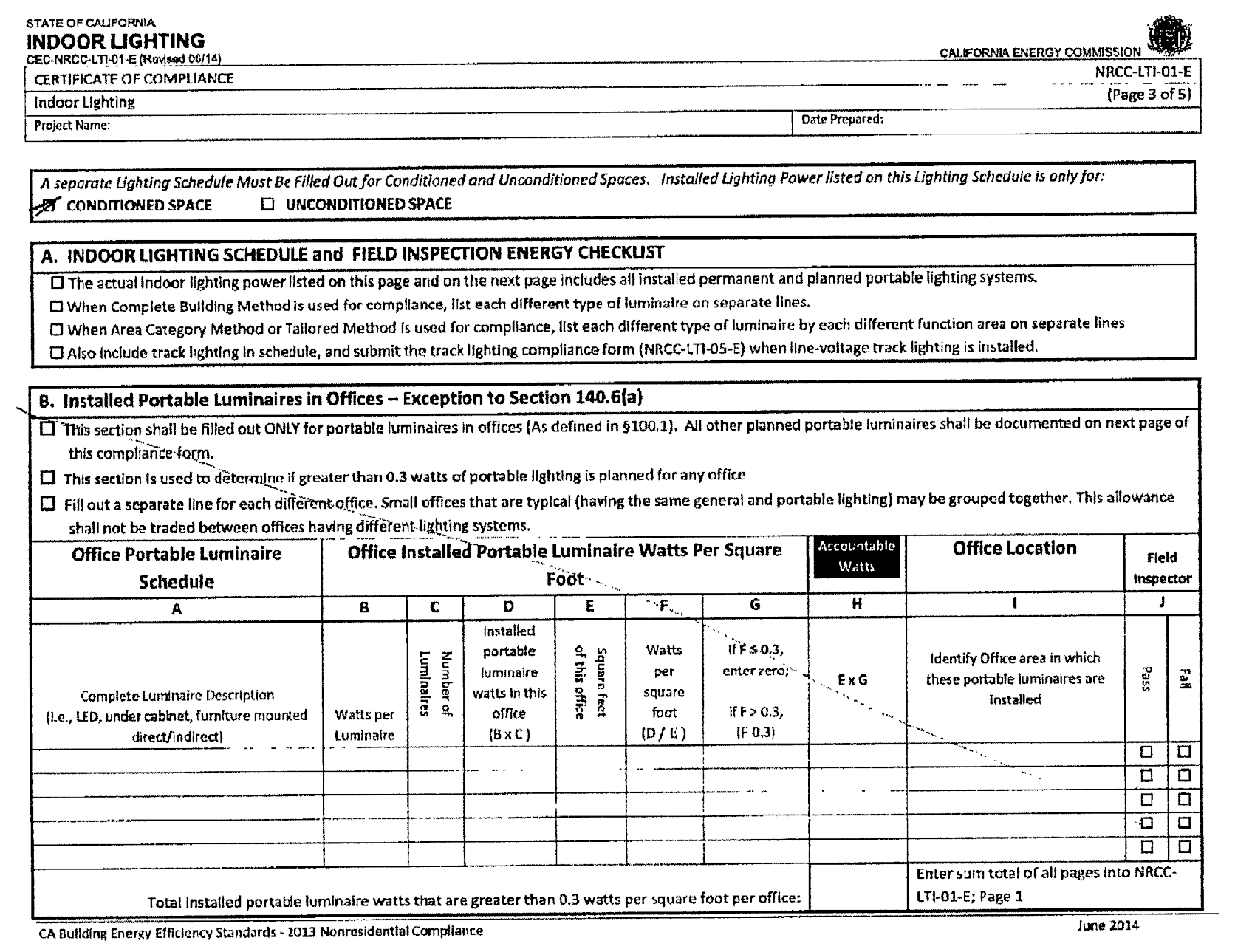
Declaration of Required Installation Certificates – Declare by selecting yes for all Installation Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)

YES	NO	Form/Title	
✓		NRCI-LTI-01-E - Must be submitted for all buildings	☐ Field Inspector
✓		NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐ Field Inspector
	✓	NRCI-LTI-03-E - Must be submitted for a line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting, to be recognized for compliance.	☐ Field Inspector
	✓	NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	☐ Field Inspector
✓		NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	☐ Field Inspector
	✓	NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	☐ Field Inspector

Declaration of Required Certificates of Acceptance – Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify forms are completed and signed.)

YES	NO	Form/Title	
✓		NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	☐ Field Inspector
✓		NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	☐ Field Inspector
	✓	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	☐ Field Inspector

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance — June 2014



STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-LTI-01-E (Page 3 of 5)
Indoor Lighting
Project Name: — Date Prepared:

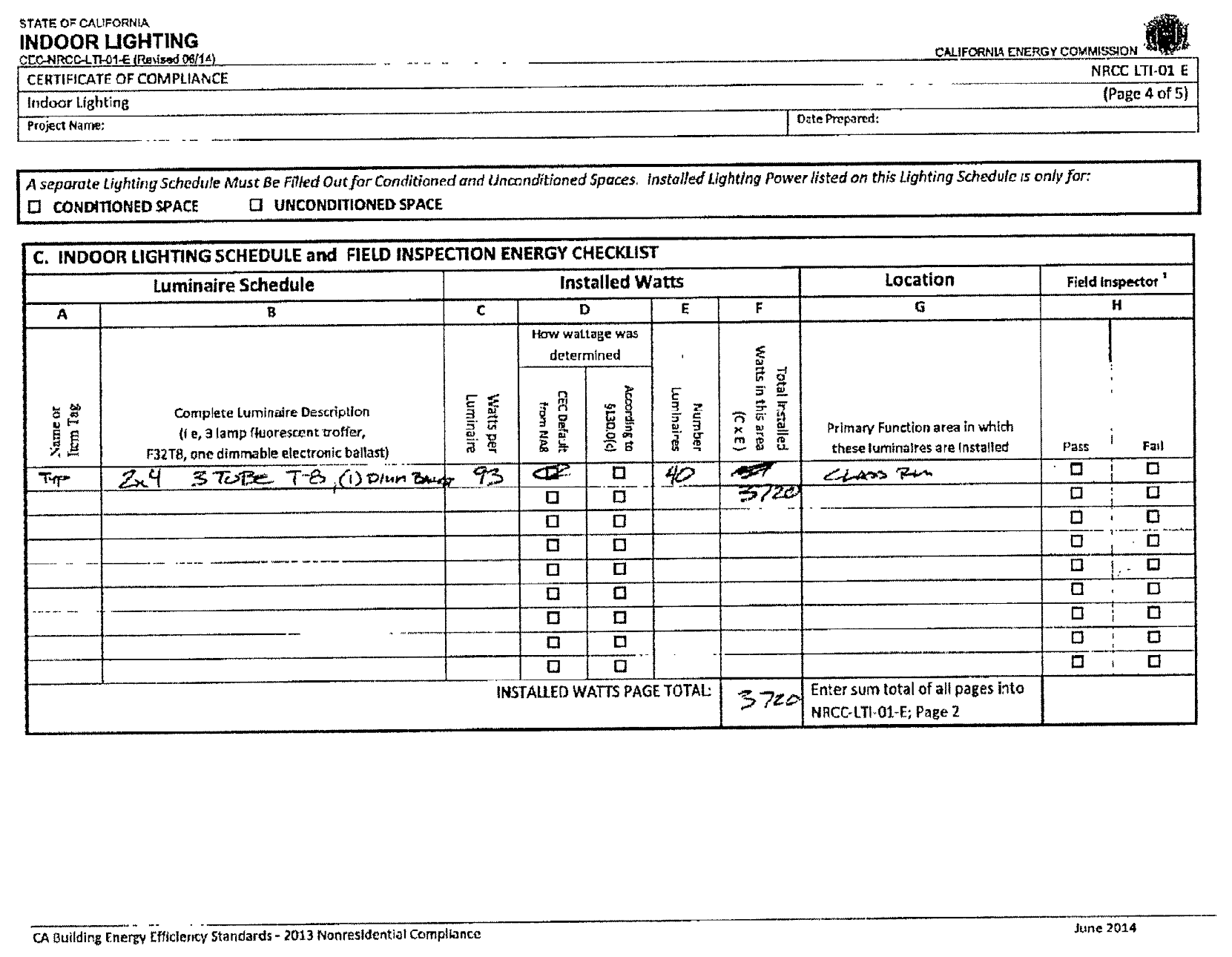
A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:
☒ CONDITIONED SPACE ☐ UNCONDITIONED SPACE

A. INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST
- ☐ The actual indoor lighting power listed on this page and on the next page includes all installed permanent and planned portable lighting systems.
- ☐ When Complete Building Method is used for compliance, list each different type of luminaire on separate lines.
- ☐ When Area Category Method or Tailored Method is used for compliance, list each different type of luminaire by each different function area on separate lines
- ☐ Also include track lighting in schedule, and submit the track lighting compliance form (NRCC-LTI-05-E) when line-voltage track lighting is installed.

B. Installed Portable Luminaires in Offices – Exception to Section 140.6(a)
- ☐ This section shall be filled out ONLY for portable luminaires in offices (As defined in §100.1). All other planned portable luminaires shall be documented on next page of this compliance form.
- ☐ This section is used to determine if greater than 0.3 watts of portable lighting is planned for any office
- ☐ Fill out a separate line for each different office. Small offices that are typical (having the same general and portable lighting) may be grouped together. This allowance shall not be traded between offices having different lighting systems.

Office Portable Luminaire Schedule	Office Installed Portable Luminaire Watts Per Square Foot						Accountable Watts	Office Location	Field Inspector	
A	B	C	D	E	F	G	H	I	J	
Complete Luminaire Description (i.e., LED, under cabinet, furniture mounted direct/indirect)	Watts per Luminaire	Number of Luminaires	Installed portable luminaire watts in this office (B x C)	Square feet of this office	Watts per square foot (D / E)	If F ≤ 0.3, enter zero; If F > 0.3, (F 0.3)	E x G	Identify Office area in which these portable luminaires are installed	Pass	Fail
									☐	☐
									☐	☐
									☐	☐
									☐	☐
									☐	☐
Total installed portable luminaire watts that are greater than 0.3 watts per square foot per office:								Enter sum total of all pages into NRCC-LTI-01-E; Page 1		

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance — June 2014



STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

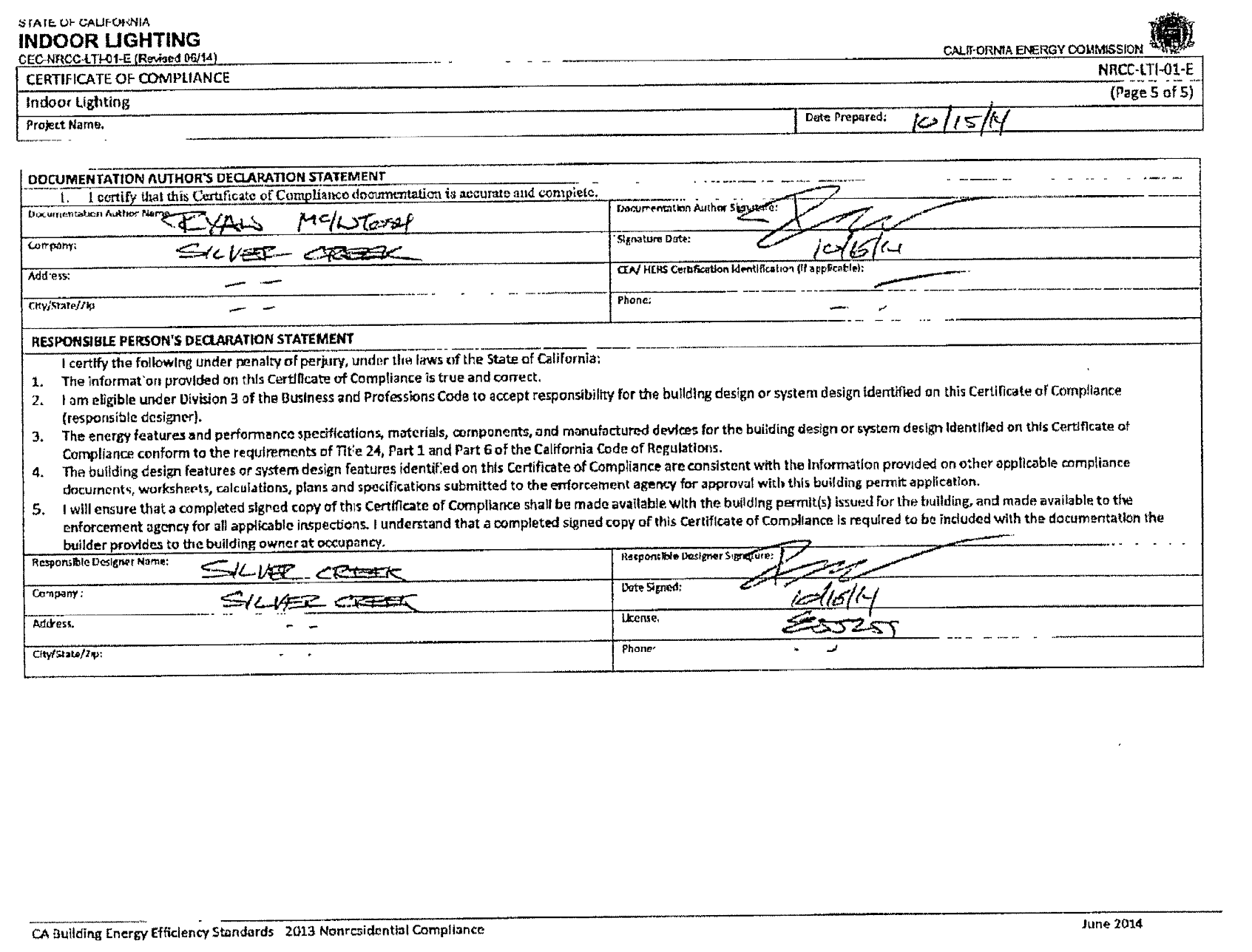
CERTIFICATE OF COMPLIANCE — NRCC LTI-01 E (Page 4 of 5)
Indoor Lighting
Project Name: — Date Prepared:

A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:
☐ CONDITIONED SPACE ☐ UNCONDITIONED SPACE

C. INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

Luminaire Schedule		Installed Watts					Location	Field Inspector [1]	
A	B	C	D		E	F	G	H	
			How wattage was determined						
Name or Item Tag	Complete Luminaire Description (i.e, 3 lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Watts per Luminaire	CEC Default from NA8	According to §130.0(c)	Number Luminaires	Total Installed Watts in this area (C x E)	Primary Function area in which these luminaires are installed	Pass	Fail
Typ	2x4 3 TUBE T-8, (1) DIM BALST	93	☒	☐	40	3720	CLASS RM	☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
INSTALLED WATTS PAGE TOTAL:						3720	Enter sum total of all pages into NRCC-LTI-01-E; Page 2		

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance — June 2014



STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-LTI-01-E (Page 5 of 5)
Indoor Lighting
Project Name. — Date Prepared: 10/15/14

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
1. I certify that this Certificate of Compliance documentation is accurate and complete.

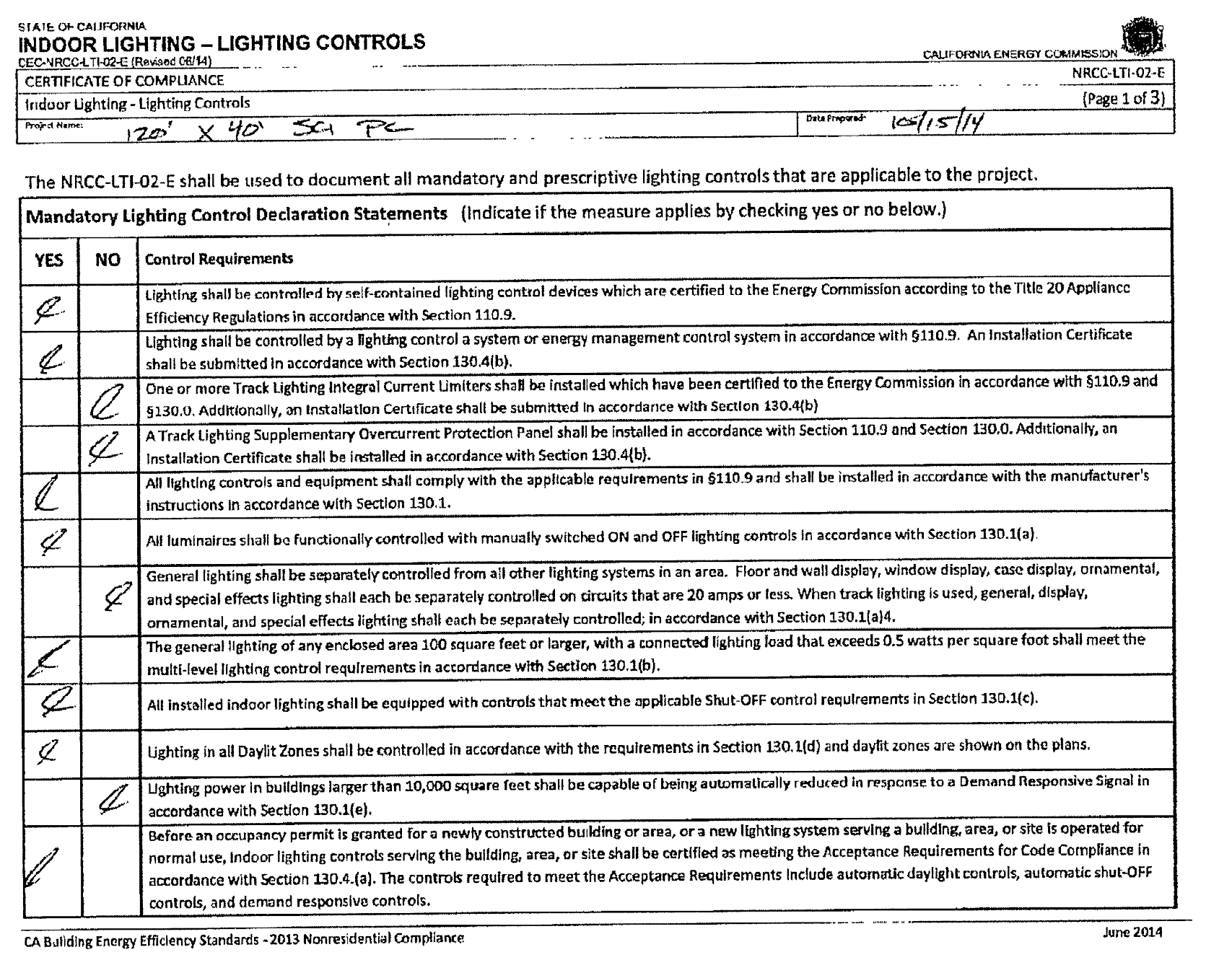
Documentation Author Name: RYAN McINTOSH	Documentation Author Signature:
Company: SILVER CREEK	Signature Date: 10/16/14
Address: —	CEA/ HERS Certification Identification (if applicable): —
City/State/Zip: —	Phone: —

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: SILVER CREEK	Responsible Designer Signature:
Company : SILVER CREEK	Date Signed: 10/16/14
Address. —	License. E55255
City/State/Zip: —	Phone: —

CA Building Energy Efficiency Standards 2013 Nonresidential Compliance — June 2014



STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

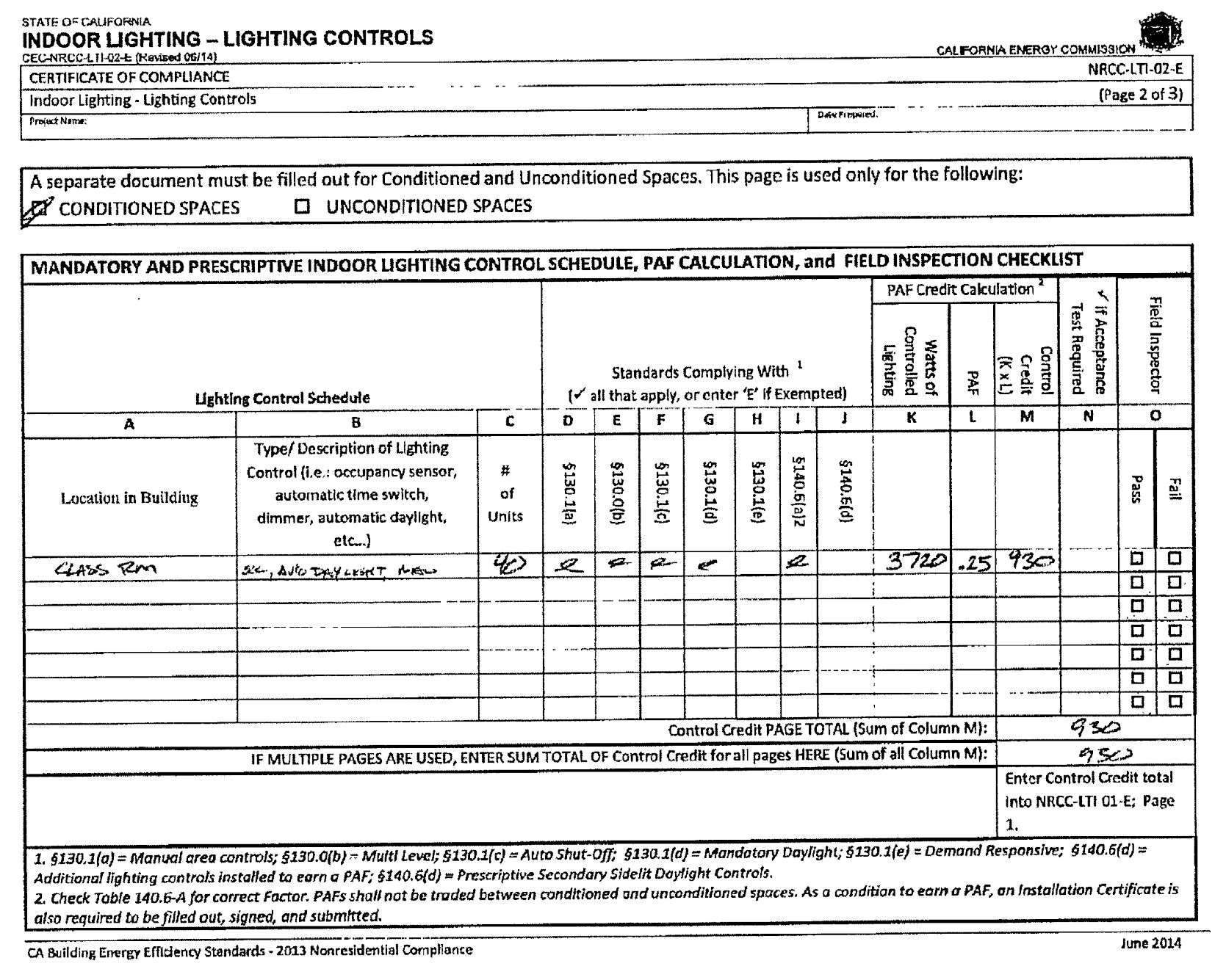
CERTIFICATE OF COMPLIANCE — NRCC-LTI-02-E (Page 1 of 3)
Indoor Lighting - Lighting Controls
Project Name: 120' X 40' SCI PC — Date Prepared: 10/15/14

The NRCC-LTI-02-E shall be used to document all mandatory and prescriptive lighting controls that are applicable to the project.

Mandatory Lighting Control Declaration Statements (Indicate if the measure applies by checking yes or no below.)

YES	NO	Control Requirements
✓		Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with Section 110.9.
✓		Lighting shall be controlled by a lighting control a system or energy management control system in accordance with §110.9. An Installation Certificate shall be submitted in accordance with Section 130.4(b).
	✓	One or more Track Lighting Integral Current Limiters shall be installed which have been certified to the Energy Commission in accordance with §110.9 and §130.0. Additionally, an Installation Certificate shall be submitted in accordance with Section 130.4(b)
	✓	A Track Lighting Supplementary Overcurrent Protection Panel shall be installed in accordance with Section 110.9 and Section 130.0. Additionally, an Installation Certificate shall be installed in accordance with Section 130.4(b).
✓		All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with Section 130.1.
✓		All luminaires shall be functionally controlled with manually switched ON and OFF lighting controls in accordance with Section 130.1(a).
	✓	General lighting shall be separately controlled from all other lighting systems in an area. Floor and wall display, window display, case display, ornamental, and special effects lighting shall each be separately controlled on circuits that are 20 amps or less. When track lighting is used, general, display, ornamental, and special effects lighting shall each be separately controlled; in accordance with Section 130.1(a)4.
✓		The general lighting of any enclosed area 100 square feet or larger, with a connected lighting load that exceeds 0.5 watts per square foot shall meet the multi-level lighting control requirements in accordance with Section 130.1(b).
✓		All installed indoor lighting shall be equipped with controls that meet the applicable Shut-OFF control requirements in Section 130.1(c).
✓		Lighting in all Daylit Zones shall be controlled in accordance with the requirements in Section 130.1(d) and daylit zones are shown on the plans.
	✓	Lighting power in buildings larger than 10,000 square feet shall be capable of being automatically reduced in response to a Demand Responsive Signal in accordance with Section 130.1(e).
✓		Before an occupancy permit is granted for a newly constructed building or area, or a new lighting system serving a building, area, or site is operated for normal use, indoor lighting controls serving the building, area, or site shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with Section 130.4.(a). The controls required to meet the Acceptance Requirements include automatic daylight controls, automatic shut-OFF controls, and demand responsive controls.

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance — June 2014



STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-LTI-02-E (Page 2 of 3)
Indoor Lighting - Lighting Controls
Project Name: — Date Prepared:

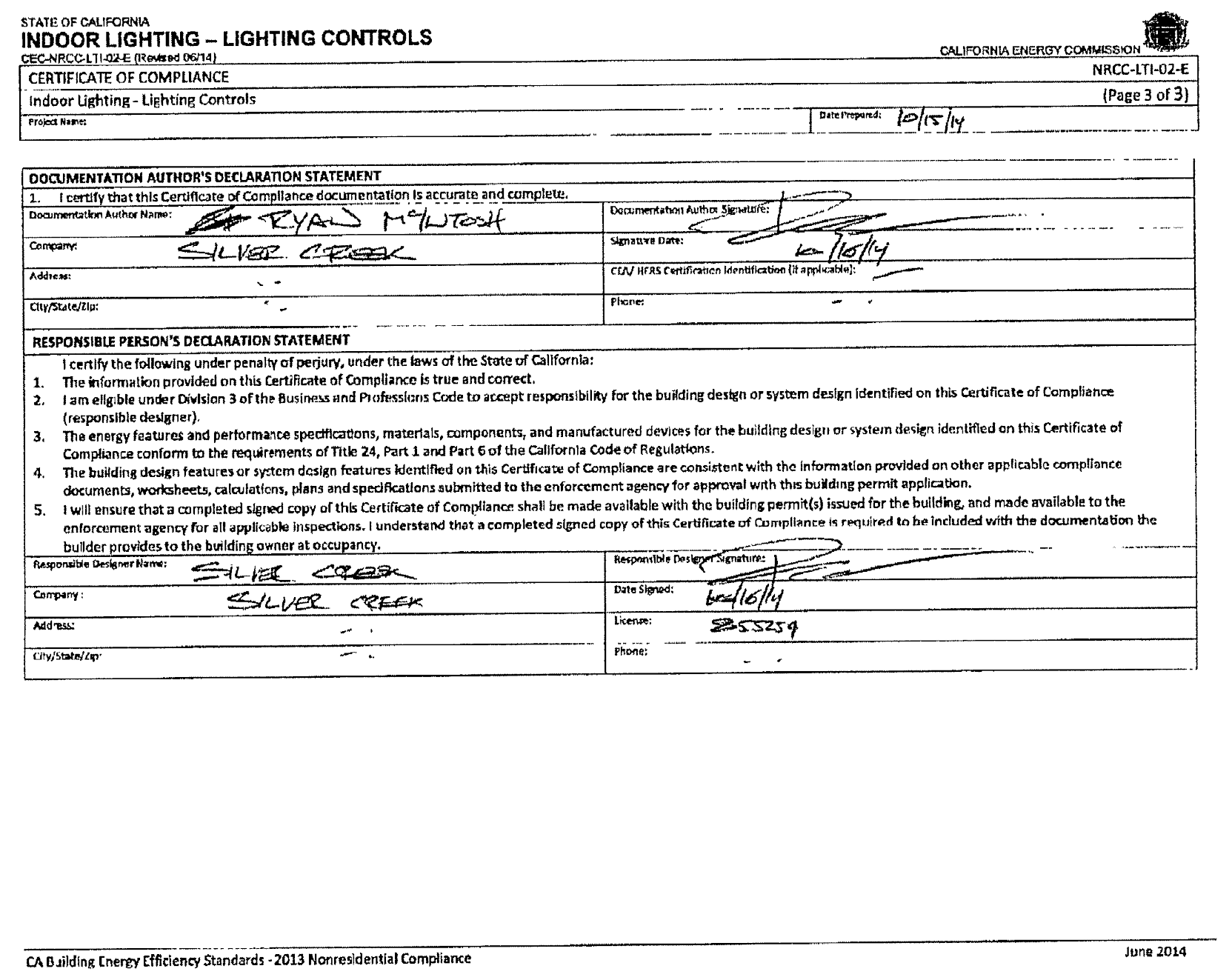
A separate document must be filled out for Conditioned and Unconditioned Spaces. This page is used only for the following:
☒ CONDITIONED SPACES ☐ UNCONDITIONED SPACES

MANDATORY AND PRESCRIPTIVE INDOOR LIGHTING CONTROL SCHEDULE, PAF CALCULATION, and FIELD INSPECTION CHECKLIST

Lighting Control Schedule			Standards Complying With [1] (✓ all that apply, or enter 'E' if Exempted)							PAF Credit Calculation [2]			✓ if Acceptance Test Required	Field Inspector	
										Watts of Controlled Lighting	PAF	Control Credit (K x L)			
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
Location in Building	Type/ Description of Lighting Control (i.e.: occupancy sensor, automatic time switch, dimmer, automatic daylight, etc...)	# of Units	§130.1(a)	§130.0(b)	§130.1(c)	§130.1(d)	§130.1(e)	§140.6(a)2	§140.6(d)					Pass	Fail
CLASS RM	SC, AUTO DAYLIGHT, NEW	40	✓	✓	✓	✓		✓		3720	.25	930		☐	☐
														☐	☐
														☐	☐
														☐	☐
														☐	☐
														☐	☐
														☐	☐
Control Credit PAGE TOTAL (Sum of Column M):												930			
IF MULTIPLE PAGES ARE USED, ENTER SUM TOTAL OF Control Credit for all pages HERE (Sum of all Column M):												930			
												Enter Control Credit total into NRCC-LTI 01-E; Page 1.			

1. §130.1(a) = Manual area controls; §130.0(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Mandatory Daylight; §130.1(e) = Demand Responsive; §140.6(d) = Additional lighting controls installed to earn a PAF; §140.6(d) = Prescriptive Secondary Sidelit Daylight Controls.
2. Check Table 140.6-A for correct Factor. PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is also required to be filled out, signed, and submitted.

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance — June 2014



STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-LTI-02-E (Page 3 of 3)
Indoor Lighting - Lighting Controls
Project Name: — Date Prepared: 10/15/14

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: RYAN McINTOSH	Documentation Author Signature:
Company: SILVER CREEK	Signature Date: 10/16/14
Address: —	CEA/ HERS Certification Identification (if applicable): —
City/State/Zip: —	Phone: —

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: SILVER CREEK	Responsible Designer Signature:
Company : SILVER CREEK	Date Signed: 10/16/14
Address: —	License: E55254
City/State/Zip: —	Phone: —

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance — June 2014

Lydia
Barron

Digitally signed by Lydia Barron
DN: st=California, l=Sacramento, o=California Department of General Services, ou=Division of the State Architect, ou=www.verisign.com/repository/CPS Incorp. by Ref.,LIAB.LTD(c)99, title=Architectural Associate, cn=Lydia Barron, email=lydia.barron@dgs.ca.gov
Date: 2015.02.26 15:33:13 -08'00'

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER
CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE.
ENERGY CALC'S.
LTI FORMS
120' x 40' BLDG'S

LICENSED ARCHITECT
JACK F SHIVELY III
C-33467
REN 01-31-2015
STATE OF CALIFORNIA

ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC — FLS — SS
DATE APR 14 2015

REVISIONS
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-10-14

P.C. SHEET NUMBER
A-0.6F

24'x40' BUILDING - WOOD STUDS - WOOD FLOOR - WALL MOUNTED HEAT PUMP - ANY ROOF TYPE
SINGLE ZONE (MINIMUM DESIGN)

ZONE #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	ALL ZONES (MIN DESIGN)
Wall (min. R value)	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Floor (min. R value)	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
Roof (min. R value)	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
HVAC																	
Max. Tonnage	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5**	5**
Min. EER	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9**	9**
Occupancy Sensor	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
DCV	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

24'x40' BUILDING - WOOD STUDS - CONCRETE FLOOR - WALL MOUNTED HEAT PUMP - ANY ROOF TYPE
SINGLE ZONE (MINIMUM DESIGN)

ZONE #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	ALL ZONES (MIN DESIGN)
Wall (min. R value)	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Floor (min. R value)	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
Roof (min. R value)	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
HVAC																	
Max. Tonnage	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5**	5**
Min. EER	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9**	9**
Occupancy Sensor	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
DCV	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

24'x40' BUILDING - WOOD STUDS - WOOD FLOOR - WALL MOUNTED HEAT PUMP - ANY ROOF TYPE
SINGLE ZONE (MINIMUM DESIGN)

ZONE #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	ALL ZONES (MIN DESIGN)
Wall (min. R value)	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Floor (min. R value)	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
Roof (min. R value)	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
HVAC																	
Max. Tonnage	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5**	5**
Min. Seer	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14**	14**
Occupancy Sensor	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
DCV	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

120'x40' BUILDING - WOOD STUDS - WOOD FLOOR - WALL MOUNTED HEAT PUMP - ANY ROOF TYPE
SINGLE ZONE (MINIMUM DESIGN)

ZONE #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	ALL ZONES (MIN DESIGN)
Wall (min. R value)	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Floor (min. R value)	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
Roof (min. R value)	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
HVAC																	
Max. Tonnage	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5**	5**
Min. Seer	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14**	14**
Occupancy Sensor	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
DCV	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

LEGEND
Occupancy Sensor: Ceiling mounted occupancy sensor with dimming controls. Automatic on for low level lighting only, full by manual activation.
DCV: Demand Control Ventilation

NOTE
Buildings utilizing exterior wall constucted of steel stud framing shall have Min. R4 Continuous Rigid insulation (EPS or EPX material) on interior side of wall.
Windows shall be IWC 6200 horizontal slider (SS 60 / CH) or equal (Min), U-Factor - .510 (Max), SHGC - .350 (Max), Visual Transmittance - 0.500 (Min)
Doors shall be hollow metal, uninsulated single layer doors (Min), U-Factor = 0.500 (Max)

24'x40' BUILDING - WOOD STUDS - CONCRETE FLOOR - WALL MOUNTED HEAT PUMP - ANY ROOF TYPE
SINGLE ZONE (MINIMUM DESIGN)

ZONE #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	ALL ZONES (MIN DESIGN)
Wall (min. R value)	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Floor (min. R value)	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
Roof (min. R value)	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
HVAC																	
Max. Tonnage	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5**	5**
Min. EER	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9**	9**
Occupancy Sensor	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
DCV	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

LEGEND
Occupancy Sensor: Ceiling mounted occupancy sensor with dimming controls. Automatic on for low level lighting only, full by manual activation.
DCV: Demand Control Ventilation

NOTE
Buildings utilizing exterior wall constructed of steel stud framing shall have Min. R4 Continuous Rigid insulation (EPS or EPX material) on interior side of wall.
Windows shall be IWC 6200 horizontal slider (SS 60 / CH) or equal (Min), U-Factor - .510 (Max), SHGC - .350 (Max), Visual Transmittance - 0.500 (Min)
Doors shall be hollow metal, uninsulated single layer doors (Min), U-Factor = 0.500 (Max)

24'x40' BUILDING - WOOD STUDS - WOOD FLOOR - ROOF MOUNTED HEAT PUMP - ANY ROOF TYPE
SINGLE ZONE (MINIMUM DESIGN)

ZONE #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	ALL ZONES (MIN DESIGN)
Wall (min. R value)	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Floor (min. R value)	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
Roof (min. R value)	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
HVAC																	
Max. Tonnage	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5**	5**
Min. Seer	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14**	14**
Occupancy Sensor	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
DCV	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

120'x40' BUILDING - WOOD STUDS - WOOD FLOOR - ROOF MOUNTED HEAT PUMP - ANY ROOF TYPE
SINGLE ZONE (MINIMUM DESIGN)

ZONE #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	ALL ZONES (MIN DESIGN)
Wall (min. R value)	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
Floor (min. R value)	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
Roof (min. R value)	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
HVAC																	
Max. Tonnage	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5**	5**
Min. Seer	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14**	14**
Occupancy Sensor	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
DCV	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

LEGEND
Occupancy Sensor: Ceiling mounted occupancy sensor with dimming controls. Automatic on for low level lighting only, full by manual activation.
DCV: Demand Control Ventilation

NOTE
Buildings utilizing exterior wall constructed of steel stud framing shall have Min. R4 Continuous Rigid insulation (EPS or EPX material) on interior side of wall.
Windows shall be IWC 6200 horizontal slider (SS 60 / CH) or equal (Min), U-Factor - .510 (Max), SHGC - .350 (Max), Visual Transmittance - 0.500 (Min)
Doors shall be hollow metal, uninsulated single layer doors (Min), U-Factor = 0.500 (Max)

DESIGN ENERGY VALUES BY ZONE | 1

CONSTRUCTION WASTE MANAGEMENT PLAN

A. DEFINITIONS
1. CONSTRUCTION AND DEMOLITION (C&D) WASTE: INCLUDES ALL NON-HAZARDOUS SOLID WASTES RESULTING FROM CONSTRUCTION, REMODELING, ALTERATIONS, REPAIR, AND DEMOLITION. INCLUDES MATERIAL THAT IS RECYCLED, REUSED, SALVAGED OR DISPOSED AS GARBAGE.
2. RECYCLING: THE PROCESS OF SORTING, CLEANING, TREATING, AND RECONSTITUTING MATERIALS FOR THE PURPOSE OF USING THE MATERIAL IN THE MANUFACTURE OF A NEW PRODUCT.
3. CO-MINGLED C&D RECYCLING: THE PROCESS OF COLLECTING MIXED RECYCLABLE MATERIALS IN ONE CONTAINER ON-SITE. THE CONTAINER IS TAKEN TO A MATERIAL RECOVERY FACILITY WHERE MATERIALS ARE SEPARATED FOR RECYCLING.

B. PERFORMANCE REQUIREMENTS
1. GENERAL: WASTE MATERIAL GENERATED DURING PROJECTS SHALL BE RECYCLED OR REUSED WHENEVER PRACTICABLE. DIVERT A MINIMUM OF 90% C&D WASTE, BY WEIGHT, FROM THE LANDFILL BY A CO-MINGLED C&D RECYCLING FACILITY.
   I. C&D WASTE MATERIALS THAT SHALL BE SALVAGED, REUSED OR RECYCLED INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
      CONCRETE, METALS, WINDOW GLASS, WOOD, GYPSUM BOARD, CARPETING AND PAD, CEILING TILES

C. QUALITY ASSURANCE
1. PRECONSTRUCTION CONFERENCE: REVIEW METHODS AND PROCEDURES RELATED TO WASTE MANAGEMENT INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:
   I. REVIEW AND DISCUSS WASTE MANAGEMENT PLAN INCLUDING RESPONSIBILITIES OF WASTE MANAGEMENT COORDINATOR.
   II. REVIEW REQUIREMENTS FOR DOCUMENTING QUANTITIES OF EACH TYPE OF MATERIALS THAT WILL BE SALVAGED, RECYCLED OR DISPOSED OF AS WASTE.
   III. REVIEW PROCEDURES FOR PERIODIC WASTE COLLECTION AND TRANSPORTATION TO RECYCLING AND DISPOSAL FACILITIES.
   IV. REVIEW WASTE MANAGEMENT REQUIREMENTS FOR EACH TRADE.

D. WASTE MANAGEMENT PLAN
1. IDENTIFY AND CONTRACT WITH A WASTE MANAGEMENT SERVICES PROVIDER OR ASSIGN RESPONSIBILITY TO INHOUSE WASTE MANAGEMENT PROJECT ADMINISTRATOR
2. RESPONSIBLE PARTY SHALL DEVELOP AND PROVIDE A PLAN WHICH INCLUDES THE FOLLOWING INFORMATION:
   I. TYPES OF C&D WASTE EXPECTED TO BE GENERATED DURING DEMOLITION AND CONSTRUCTION.
   II. PROPOSED METHODS FOR C&D WASTE SALVAGE, REUSE, RECYCLING AND DISPOSAL.
   III. PROPOSED METHODS FOR SALVAGE, REUSE, RECYCLING AND DISPOSAL DURING CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, ONE OR MORE OF THE FOLLOWING.
      A. REQUIRING SUBCONTRACTORS TO TAKE THEIR C&D WASTE TO A RECYCLING FACILITY,
      B. CONTRACTING WITH A RECYCLING HAULER TO HAUL RECYCLABLE C&D WASTE TO AN APPROVED RECYCLING OR MATERIAL RECOVERY FACILITY,
      C. PROCESSING AND REUSING MATERIALS ON-SITE

E. WASTE MANAGEMENT REPORT
1. WASTE MANAGEMENT SERVICES PROVIDER OR ADMINISTRATOR SHALL SUBMIT A CUMULATIVE WASTE MANAGEMENT REPORT ON A REGULAR BASIS WHICH INCLUDES:
   I. A RECORD OF THE TYPE AND QUANTITY, BY WEIGHT, OF EACH MATERIAL SALVAGED, REUSED, RECYCLED OR DISPOSED.
   II. TOTAL QUANTITY OF WASTE RECYCLED AS A PERCENTAGE OF TOTAL WASTE.
   III. DISPOSAL RECEIPTS: COPY OF RECEIPTS ISSUED BY A DISPOSAL FACILITY FOR C&D WASTE THAT IS DISPOSED IN A LANDFILL
   IV. RECYCLING RECEIPTS: COPY OF RECEIPTS ISSUED BY APPROVED RECYCLING FACILITIES FOR COMINGLED MATERIALS. INCLUDE WEIGHT TICKETS FROM THE RECYCLING HAULER OR MATERIAL RECOVERY FACILITY AND VERIFICATION OF THE RECYCLING RATE FOR CO-MINGLED LOADS AT THE FACILITY.
   V. SALVAGED MATERIALS DOCUMENTATION: TYPES AND QUANTITIES, BY WEIGHT, FOR MATERIALS SALVAGED FOR REUSE ON SITE, SOLD OR DONATED TO A THIRD PARTY.

F. CONSTRUCTION WASTE MANAGEMENT, GENERAL REQUIREMENTS
1. USE DETAILED MATERIAL ESTIMATES TO REDUCE RISK OF UNPLANNED AND POTENTIALLY WASTEFUL CUTS.
2. TO THE GREATEST EXTENT POSSIBLE, INCLUDE IN MATERIAL PURCHASING AGREEMENTS A WASTE REDUCTION PROVISION REQUESTING THAT MATERIALS AND EQUIPMENT BE DELIVERED IN PACKAGING MADE OF RECYCLABLE MATERIAL, THAT THEY REDUCE THE AMOUNT OF PACKAGING, THAT PACKAGING BE TAKEN BACK FOR REUSE OR RECYCLING, AND TO TAKE BACK ALL UNUSED PRODUCT. INSURE THAT SUBCONTRACTORS REQUIRE THE SAME PROVISIONS IN THEIR PURCHASE AGREEMENTS.
3. CONDUCT REGULAR VISUAL INSPECTIONS OF DUMPSTERS AND RECYCLING BINS TO REMOVE CONTAMINANTS.

G. REMOVAL OF CONSTRUCTION WASTE MATERIALS, GENERAL REQUIREMENTS
1. REMOVE C&D WASTE MATERIALS FROM PROJECT SITE ON A REGULAR BASIS. DO NOT ALLOW C&D WASTE TO ACCUMULATE ON-SITE.
2. TRANSPORT C&D WASTE MATERIALS OFF PROPERTY AND LEGALLY DISPOSE OF THEM.
3. BURNING OF C&D WASTE IS NOT PERMITTED.

IEQ PLAN

A. CONSTRUCTION PHASE:
1. FILTERS
   I. ALL MECHANICAL EQUIPMENT WHICH REQUIRES A FILTER SHALL NOT BE OPERATED WITHOUT A FILTER IN PLACE.
   II. ALL FILTERS SHALL HAVE A MERV RATING OF 8 OR GREATER.
   III. A PRESSURE GAUGE SHALL BE INSTALLED AT ALL MECHANICAL EQUIPMENT REQUIRING FILTERS WHICH MEASURES THE PRESSURE DROP ACROSS THE FILTER AND WHICH IS MARKED TO INDICATE WHEN THE FILTER REQUIRES CLEANING OR REPLACEMENT
2. PROTECTION OF MATERIALS
   I. ALL BUILDING MATERIALS SHALL BE PROTECTED FROM WEATHER AND OTHER MOISTURE SOURCES WHEN RECOMMEND BY THE MANUFACTURER.
   II. ANY POROUS MATERIAL WITH VISIBLE MICROBIAL GROWTH SHALL NOT BE INSTALLED.
   III. ANY OTHER MATERIAL WITH VISIBLE MICROBIAL GROWTH SHALL BE THOROUGHLY CLEAN AND DECONTAMINATED PRIOR TO INSTALLATION.
3. PROTECTION OF INTERIOR ENVIRONMENT
   I. WHENEVER POSSIBLE ALL SANDING, CUTTING GRINDING OR OTHER ACTIVITIES WHICH WILL GENERATE AIRBORNE PARTICLES SHALL BE PERFORMED AWAY FROM THE BUILDING.
   II. WHERE AIRBORNE PARTICLE GENERATING ACTIVITIES CANNOT BE PERFORMED AWAY FROM THE BUILDING PROTECTIVE MEASURES SHALL BE TAKE TO SEAL INTERIOR AREAS TO REDUCE OR ELIMINATE PARTICLE TRANSFER.
   III. ANY TEMPORARILY UNFILLED EXTERIOR OPENINGS SHALL BE PROTECTED WITH PLASTIC SHEETING, OR OTHER BARRIER, TO PREVENT THE MOISTURE AND OTHER CONTAMINANTS FROM ENTERING THE BUILDING.
   IV. ALL WELDING SHALL BE PERFORMED PRIOR TO THE INSTALLATION OF EXTERIOR WALLS WHEREVER POSSIBLE.
4. DUCT SYSTEM CONSTRUCTION
   I. THE DUCT SYSTEMS SHALL BE CONSTRUCTED AND INSTALLED PER THE SMACNA HV AC DUCT CONSTRUCTION STANDARDS FOR METAL AND FLEXIBLE DUCTWORK.
   II. THE DUCT SYSTEMS SHALL BE CONSTRUCTED AND INSTALLED PER THE SMACNA FIBROUS GLASS DUCT CONSTRUCTION STANDARDS.
   III. THE DUCT SYSTEMS SHALL BE CONSTRUCTED AND INSTALLED NFPA 90A & NFPA 90B.
   IV. ALL OPEN DUCTS AND PASSAGEWAYS SHALL BE PROTECTED WITH PLASTIC SHEETING, OR OTHER BARRIER, UNTIL THE BUILDING HAS BEEN COMPLETELY INSTALLED AND ENCLOSED AND THE MECHANICAL SYSTEM IS READY TO BE STARTED.
   V. ALL OIL FILM SHALL BE REMOVED FROM DUCTS PRIOR TO INSTALLATION.
   VI. ALL DUST AND DIRT SHALL BE REMOVED FROM BOTH THE INTERIOR AND EXTERIOR OF ALL DUCTS PRIOR TO INSTALLATION.
5. MATERIALS INSTALLATION
   I. NATURAL OR TEMPORARY MECHANICAL VENTILATION SHALL BE PROVIDED WHEN MATERIALS WHICH EMIT VOLATILE ORGANIC COMPOUNDS (VOC) ARE INSTALLED.
   II. NATURAL OR TEMPORARY MECHANICAL VENTILATIONS SHALL BE CONTINUED UNTIL SUCH A TIME THAT THE VOC EMISSIONS HAVE DISSIPATED
   III. ANY TEMPORARY VENTILATION SHALL BE EXHAUSTED TO THE EXTERIOR OF THE BUILDING.
   IV. WHEN TEMPORARY MECHANICAL VENTILATION IS USED A CONSTRUCTION FILTER SHALL BE INSTALLED WITH MERV RATING OF NOT LESS THAN 8. THE CONSTRUCTION FILTER SHALL BE REPLACED PRIOR TO OCCUPANCY.
   V. MATERIALS INSTALLATION SHALL BE SEQUENCED WHENEVER POSSIBLE TO ALLOW FOR THE INSTALLATION OF VOE EMITTING MATERIALS PRIOR TO THE INSTALLATION OF POROUS AND FIBROUS MATERIALS.
   VI. MATERIALS WHICH EMIT A SIGNIFICANT AMOUNT OF VOCS OR ODORS SHALL BE STORED IN A MANNER WHICH ALLOWS FOR OFF-GASSING, IN A DRY AND WELL VENTILATION AREA, PRIOR TO INSTALLATION.
   VII. CARPETED SURFACES SHALL BE VACUUMED PER THE CRI/GREEN LABEL VACUUM CLEANER PROGRAM REQUIREMENTS AT COMPLETION OF CONSTRUCTION AND PRIOR TO OCCUPANCY.

ACOUSTICAL CONTROL

ALL REGULARLY OCCUPIED BUILDINGS CONSTRUCTED PER THIS PC SHALL MEET THE REQUIREMENTS OF THE 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.507.4. THE ARCHITECT OF RECORD FOR THE PROJECT SITE THE PC BUILDING IS TO BE INSTALLED UPON SHALL IDENTIFY IF ANY NOISE TRANSMISSION MEASURES ARE REQUIRED BASED UPON THE NOISE LEVEL PRESENT AT THE PROJECT SITE. IF NECESSARY WALL, ROOF AND WINDOW ASSEMBLIES MEETING THE STC AND OITC RATINGS SPECIFIED IN SECTIONS 5.507.4.1 + 5.507.4.1.1 SHALL BE UTILIZED.

LOW EMITTING MATERIALS + MOISTURE MANAGEMENT

SEALANTS AND CAULKS
ALL ADHESIVES, SEALANTS AND CAULKS APPLIED IN THE PROJECT'S INTERIOR SHALL MEET THE REQUIREMENTS OF THE 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.1. PRODUCTS IN THIS CATEGORY INCLUDE BUT ARE NOT LIMITED TO CARPET, RESILIENT AND WOOD FLOORING ADHESIVES; BASE COVE ADHESIVES; CERAMIC TILE ADHESIVES; DRYWALL AND PANEL ADHESIVES; AEROSOL ADHESIVES; ADHESIVE PRIMERS; ACOUSTICAL SEALANTS; FIRE STOP SEALANTS; HVAC DUCT SEALANTS, SEALANT PRIMERS; AND CAULKS.

PAINTS & COATINGS
ALL PAINTS AND ARCHITECTURAL COATINGS APPLIED IN THE PROJECTS INTERIOR SHALL MEET THE REQUIREMENTS OF THE 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.3. PRODUCTS IN THIS CATEGORY INCLUDE BUT ARE NOT LIMITED TO SEALERS, STAINS, CLEAR WOOD FINISHES, FLOOR SEALERS AND COATINGS, WATERPROOFING SEALERS, PRIMERS, FLAT PAINTS AND COATINGS, NON-FLAT PAINTS AND COATINGS, AND RUST PREVENTATIVE COATINGS.

RESILIENT FLOORING SYSTEMS
ALL FLOORING SYSTEMS SHALL MEET THE REQUIREMENTS OF THE 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.6.

COMPOSITE WOOD
ALL OF THE COMPOSITE WOOD PRODUCTS INSTALLED IN THE PROJECT SHALL MEET THE REQUIREMENTS OF THE 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.5. COMPOSITE WOOD PRODUCTS IN THIS CATEGORY ARE DEFINED IN THE CALIFORNIA AIR RESOURCES BOARD (CARB) AIRBORNE TOXIC CONTROL MEASURE (ATCM) TO REDUCE FORMALDEHYDE EMISSIONS FROM COMPOSITE WOOD PRODUCTS (SECTIONS 93120-93120.12, TITLE 17, CALIFORNIA CODE OF REGULATIONS. THE AFFECTED PRODUCTS INCLUDE HARDWOOD PLYWOOD, PLYWOOD WITH DECORATIVE SOFTWOOD VENEER, LAMINATED PRODUCTS WITH A COMPOSITE WOOD CORE OR PLATFORM, PARTICLEBOARD, MEDIUM DENSITY FIBERBOARD (MDF), AND FINISHED GOODS FABRICATED FROM.

CEILING & WALL SYSTEMS
ALL CEILING AND WALL SYSTEMS INSTALLED IN THE PROJECT'S INTERIOR TOTALING 90% OR MORE OF THE TOTAL AREAS OF SUCH PRODUCTS SHALL MEET THESE REQUIREMENTS. CEILING AND WALL SYSTEMS INCLUDE BUT ARE NOT LIMITED TO CEILING INSULATION INSTALLED WITHIN THE STRUCTURAL ENVELOP, WALL INSULATION, ACOUSTICAL CEILING PANELS, GYPSUM BOARD WALL PANELS, TACKABLE WALL PANELS, AND WALL COVERINGS. CERAMIC TILE AND OTHER ORGANIC-FREE METAL- OR MINERAL-BASED WALL COVERINGS ARE AVAILABLE FOR CREDIT WITHOUT ANY TESTING REQUIREMENTS. SITE APPLIED ADHESIVES AND SEALANTS AND SITE APPLIED PAINTS AND COATINGS ASSOCIATED WITH CEILING AND WALL SYSTEMS ARE TREATED UNDER OPTIONS 1 AND 2, RESPECTIVELY. CEILING AND WALL SYSTEMS SHALL BE TESTED AND EVALUATED FOR EMISSIONS OF VOCS OF CONCERN WITH RESPECT TO CHRONIC INHALATION EXPOSURES FOLLOWING THE SPECIFICATIONS OF THE CDPH STANDARD METHOD V1.1. THE SEPARATE COMPONENTS OR DISTINCT LAYERS OF THESE SYSTEMS SHALL BE MODELED TO THE STANDARD PRACTICE SCHOOL CLASSROOM USING THE CLASSROOM CEILING AREA AND/OR WALL AREA AS APPROPRIATE. FOR SYSTEMS CONSISTING OF MORE THAN ONE DISTINCT LAYER (E.G., WALLS COMPRISED OF INSULATION, WALL PANEL AND WALL COVERING), ALL LAYERS SHALL INDIVIDUALLY MEET THE REQUIREMENTS OF THE STANDARD PRACTICE.

CARPET SYSTEMS
ALL CARPET SYSTEMS SHALL MEET THE REQUIREMENTS OF THE 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.4. ALL CARPET SHALL BE PER THE CARPET AND RUG INSTITUTE'S GREEN LABEL PLUS PROGRAM OR SHALL BE LISTED IN THE CHPS HIGH PERFORMANCE PRODUCT DATABASE. ALL CARPET PAD SHALL BE PER THE CARPET AND RUG INSTITUTE GREEN LABEL PROGRAM.

PRIMARY EXTERIOR DOORS
ALL WALL AND FLOOR SURFACES WITHIN 24" OF A PRIMARY EXTERIOR DOOR SHALL BE NON-ABSORBANT. ALL PRIMARY EXTERIOR DOORS SHALL BE PROTECTED BY AN OVERHANG, AWNING OR SIMILAR ELEMENT NOT LESS THAN 48" IN DEPTH.

OUTDOOR AIR QUALITY

HVAC, REFRIGERATION AND FIRE SUPPRESSION SYSTEMS SHALL NOT CONTAIN CFCs OR HALONS.

CALGREEN SPECIFICATIONS | 2

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
DESIGN ENERGY VALUES BY ZONE & CALGREEN SPEC'S

LICENSED ARCHITECT - STEVEN KENT FELLOWS - C-33407 - REN 01-31-2015 - STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE: 2013 CBC
A SEPARATE PERMIT IS REQUIRED FOR CONSTRUCTIONS REQUIRED

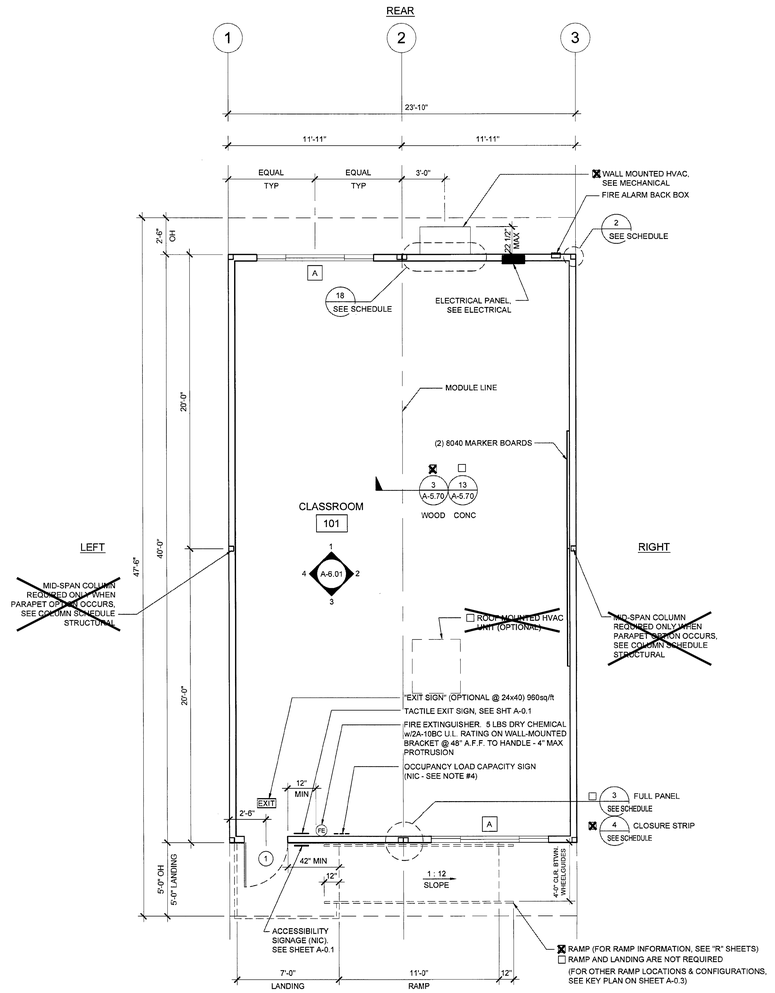
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC ___ FLS ___ SS ___
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-10-14

P.C. SHEET NUMBER
A-0.7



FRONT

FLOOR PLAN

SCALE: 1/4" = 1' - 0"

1

NOTES

1. PLACE (2) PERMANENT METAL IDENTIFICATION LABELS ON EACH MODULE .(PER IR 16-1.130

   (1) LABEL AT REAR EXTERIOR AND (1) LABEL ABOVE CEILING LINE AT INTERIOR FRAME. LABELS WILL BE MECHANICALLY FASTENED AND SHOW THE DSA APPLICATION NUMBER, MANUFACTURERS NAME AND SERIAL NUMBER, DESIGN LIVE LOAD FOR ROOF AND FLOOR FRAMING, WIND SPEED, EXPOSURE CATEGORY, Kzt = 1.0 2013 CBC, DESIGN CLIMATE ZONE, SEISMIC PARAMETER = S_S
2. VINYL TACKBOARD INTERIOR FINISH SHALL COMPLY WITH CBC SECTION 803.7.
3. LOCATIONS OF DOORS AND WINDOWS MAY VARY PER JOB. (IF THE NUMBER OF WINDOWS INCREASE, A NEW TITLE 24 SHALL BE SUBMITTED TO DSA)
4. POSTING OF OCCUPANCY LOAD SIGNS SHALL COMPLY WITH CBC 1004.3 (NOT IN MODULAR MANUFACTURER'S SCOPE OF WORK)
5. IF BUILDING IS TO BE RELOCATED, SEE RELOCATION SHEETS REL-101 & REL-102.
6. FOR BUILDINGS THAT ARE MANUFACTURED IN-PLANT, THE IN-PLANT INSPECTOR IS TO ATTACH A VERIFIED REPORT INSIDE EACH BUILDING, WHICH SHALL INDICATE THE MANUFACTURER'S NAME AND THE SERIAL NUMBER FOR EACH BUILDING MODULE AS WELL AS THE DSA FILE AND APPLICATION NUMBERS. PER IR-16-1.13

DETAIL SCHEDULE

FINISH:	SHEET #:
☒ SIDING OVER WOOD STUDS (WUI COMPLIANT DURATEMP)	A-5.50
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
☐ SIDING OVER STEEL STUDS	A-5.60
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

FIRE RATED DETAIL SCHEDULE

FIRE PROTECTION:	SHEET #:
☐ 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
☐ 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63

MARKING & IDENTIFICATION OF FIRE RATED CONSTRUCTION. (CBC 703.7)
FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING. SUCH IDENTIFICATION SHALL:

1. BE LOCATED IN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACES;
2. BE LOCATED WITHIN 15 FEET OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 30 FEET MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION; AND
3. INCLUDE LETTERING NOT LESS THAN 3" IN HEIGHT AND A MIN. 3/8" STROKE IN A CONTRASTING COLOR INCORPORATING THE SUGGESTED WORDING. "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS" OR OTHER SIMILAR WORDING.

WALL LEGEND

- NOMINAL 4" WALL STUD ☒
- NOMINAL 6" WALL STUD ☒
- NOMINAL 8" WALL STUD ☐
- A WINDOW PER SCHEDULE SHEET A-0.2
- (#) DOOR PER SCHEDULE SHEET A-0.2

NOTE:
IF PARAPET IS USED & HIGHER THAN 18", END WALLS MUST BE 2x6 @ 24" O.C.

THIS PLAN MAY INCLUDE THE VARIOUS EXERCISABLE OPTIONS APPLICABLE TO THE PC, SUCH AS PARTITION WALLS, PLUMBING, ETC. FOR REFERENCE PURPOSES. OPTIONS CAN BE APPLIED AS REQUIRED TO THE PC'S BUILDING SIZES

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
FLOOR PLAN
24' x 40'

JOHN R. REED ARCHITECT
No. C-33487
REN 01-31-2015
STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
A REFERENCE NUMBER OR NOTATION FOR CONSTRUCTION IS REQUIRED

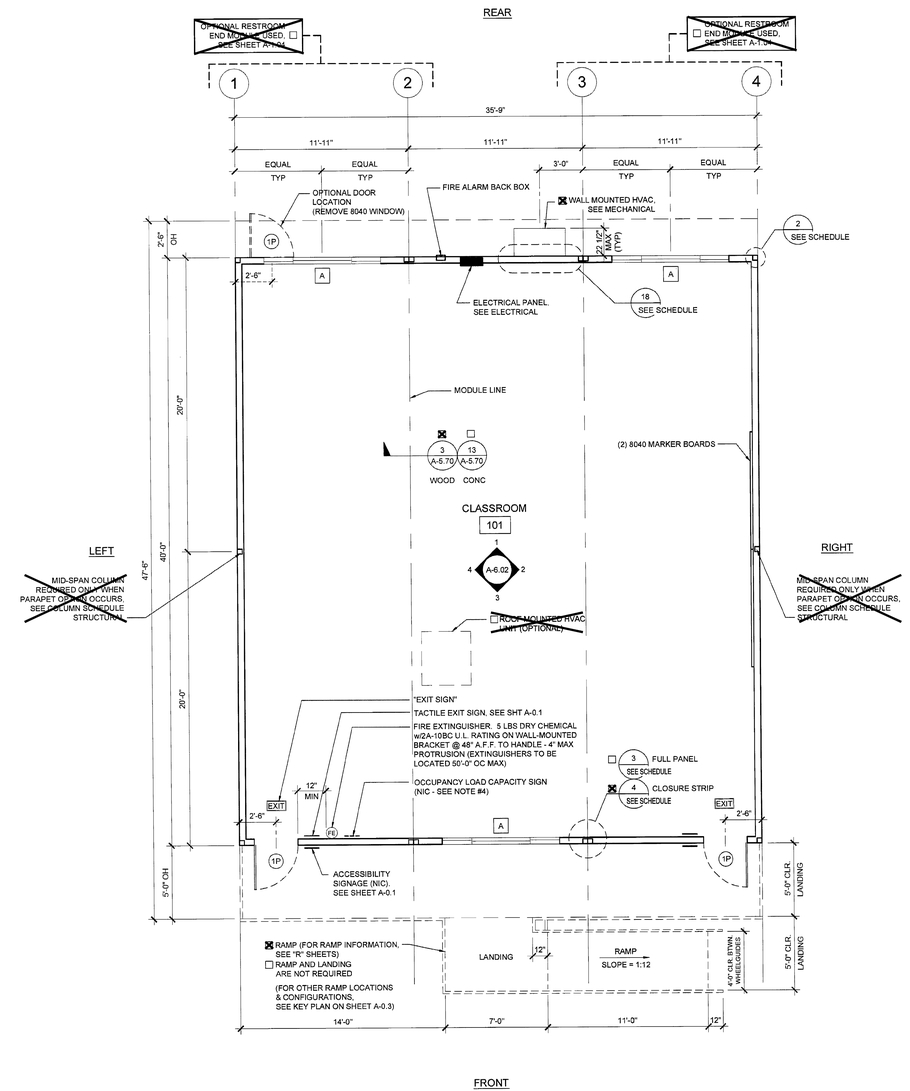
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
ACCEPTED FLS SS
DATE APR 1 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-10-14

P.C. SHEET NUMBER
A-1.01



FRONT

FLOOR PLAN

SCALE: 1/4" = 1'-0" | 1

NOTES

1. PLACE (2) PERMANENT METAL IDENTIFICATION LABELS ON EACH MODULE. (PER IR 16-1.130

   (1) LABEL AT REAR EXTERIOR AND (1) LABEL ABOVE CEILING LINE AT INTERIOR FRAME. LABELS WILL BE MECHANICALLY FASTENED AND SHOW THE DSA APPLICATION NUMBER, MANUFACTURERS NAME AND SERIAL NUMBER, DESIGN LIVE LOAD FOR ROOF AND FLOOR FRAMING, WIND SPEED, EXPOSURE CATEGORY, Kzt = 1.0 2013 CBC, DESIGN CLIMATE ZONE, SEISMIC PARAMETER = S_S
2. VINYL TACKBOARD INTERIOR FINISH SHALL COMPLY WITH CBC SECTION 803.7.
3. LOCATIONS OF DOORS AND WINDOWS MAY VARY PER JOB. (IF THE NUMBER OF WINDOWS INCREASE, A NEW TITLE 24 SHALL BE SUBMITTED TO DSA)
4. POSTING OF OCCUPANCY LOAD SIGNS SHALL COMPLY WITH CBC 1004.3 (NOT IN MODULAR MANUFACTURER'S SCOPE OF WORK)
5. IF BUILDING IS TO BE RELOCATED, SEE RELOCATION SHEETS REL-101 & REL-102.
6. FOR BUILDINGS THAT ARE MANUFACTURED IN-PLANT, THE IN-PLANT INSPECTOR IS TO ATTACH A VERIFIED REPORT INSIDE EACH BUILDING, WHICH SHALL INDICATE THE MANUFACTURER'S NAME AND THE SERIAL NUMBER FOR EACH BUILDING MODULE AS WELL AS THE DSA FILE AND APPLICATION NUMBERS. PER IR-16-1.13

DETAIL SCHEDULE

FINISH:	SHEET #:
☒ SIDING OVER WOOD STUDS(WUI COMPLIANT DURATEMP)	A-5.50
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
☐ SIDING OVER STEEL STUDS	A-5.60
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

FIRE RATED DETAIL SCHEDULE

FIRE PROTECTION:	SHEET #:
☐ 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
☐ 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63

MARKING & IDENTIFICATION OF FIRE RATED CONSTRUCTION. (CBC 703.7)
FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING. SUCH IDENTIFICATION SHALL:

1. BE LOCATED IN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACES;
2. BE LOCATED WITHIN 15 FEET OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 30 FEET MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION; AND
3. INCLUDE LETTERING NOT LESS THAN 3" IN HEIGHT AND A MIN. 3/8" STROKE IN A CONTRASTING COLOR INCORPORATING THE SUGGESTED WORDING. "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS" OR OTHER SIMILAR WORDING.

WALL LEGEND

- NOMINAL 4" WALL STUD ☒
- NOMINAL 6" WALL STUD ☒
- NOMINAL 8" WALL STUD ☐
- A WINDOW PER SCHEDULE SHEET A-0.2
- (#) DOOR PER SCHEDULE SHEET A-0.2

NOTE:
IF PARAPET IS USED & HIGHER THAN 18", END WALLS MUST BE 2x6 @ 24" O.C.

THIS PLAN MAY INCLUDE THE VARIOUS EXERCISABLE OPTIONS APPLICABLE TO THE PC'S WHICH AS PARTITION WALLS, PLUMBING, ETC. FOR REFERENCE PURPOSES. OPTIONS CAN BE APPLIED AS REQUIRED TO THE PC'S BUILDING SIZES

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

SHEET TITLE:

FLOOR PLAN
36' x 40'

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
FOR CONSTRUCTION IN CALIFORNIA
FOR CONSTRUCTION IN REGULATION

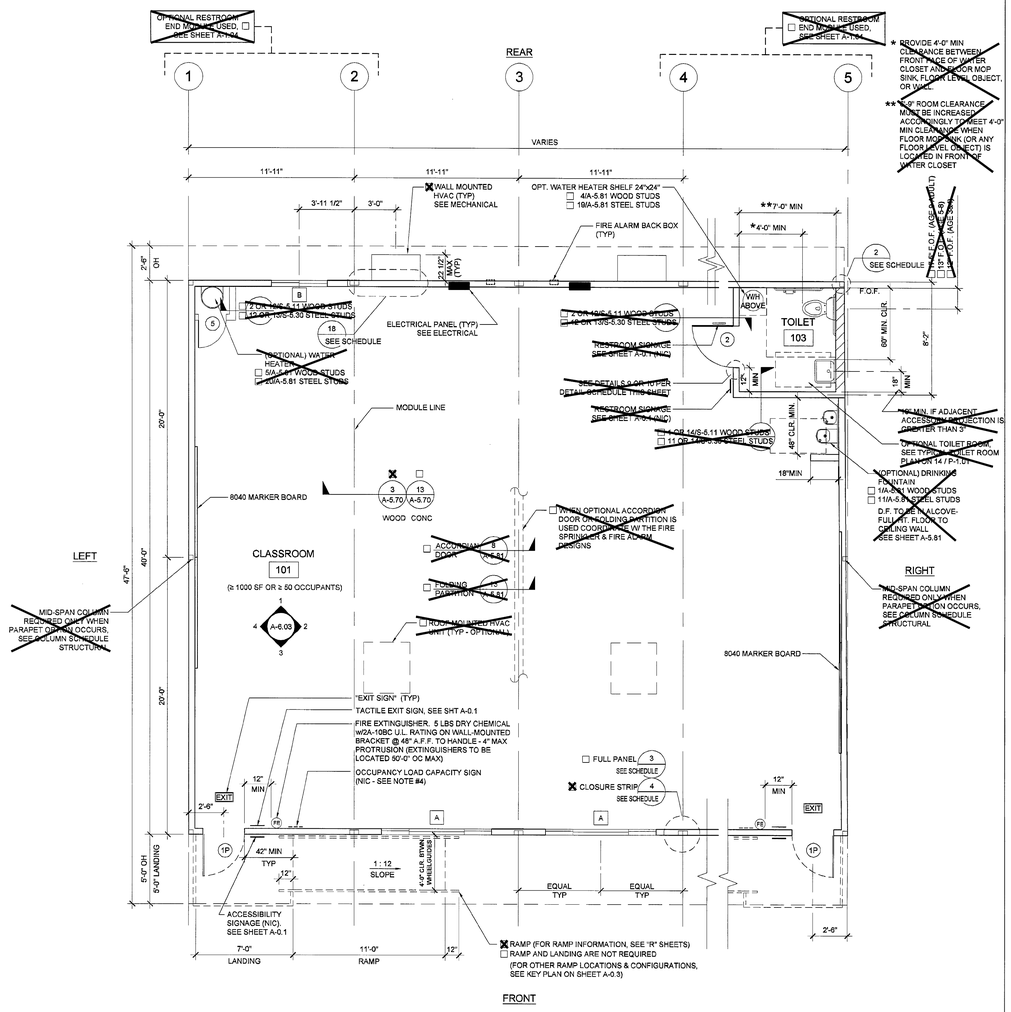
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
A.R. F.S. S.S.
DATE APR 1 4 2015

REVISIONS
1
2
3
4
5
6
7
8

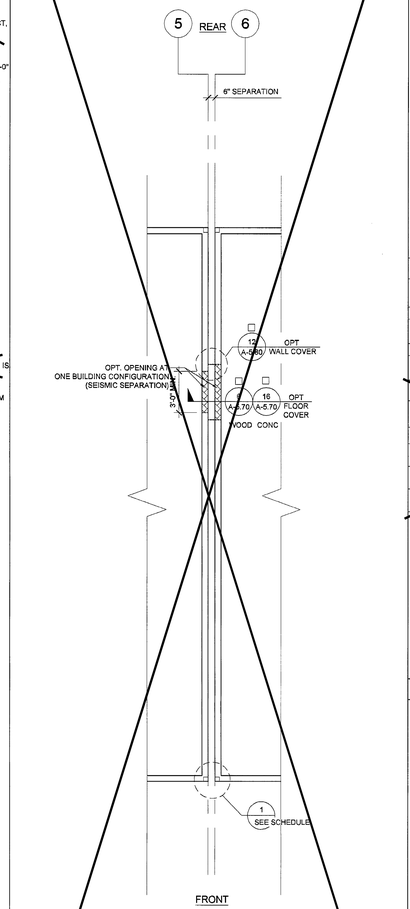
SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	09-10-14

P.C. SHEET NUMBER
A-1.02



FLOOR PLAN SCALE: 1/4" = 1'-0" 2



FLOOR SEPARATION PLAN OPTION SCALE: 1/4" = 1'-0" 1

NOTES

1. PLACE (2) PERMANENT METAL IDENTIFICATION LABELS ON EACH MODULE. (PER IR 16-1.130

   (1) LABEL AT REAR EXTERIOR AND (1) LABEL ABOVE CEILING LINE AT INTERIOR FRAME. LABELS WILL BE MECHANICALLY FASTENED AND SHOW THE DSA APPLICATION NUMBER, MANUFACTURERS NAME AND SERIAL NUMBER, DESIGN LIVE LOAD FOR ROOF AND FLOOR FRAMING, WIND SPEED, EXPOSURE CATEGORY, Kzt = 1.0 2013 CBC, DESIGN CLIMATE ZONE, SEISMIC PARAMETER = S_{ds}
2. VINYL TACKBOARD INTERIOR FINISH SHALL COMPLY WITH CBC SECTION 803.7.
3. LOCATIONS OF DOORS AND WINDOWS MAY VARY PER JOB. (IF THE NUMBER OF WINDOWS INCREASE, A NEW TITLE 24 SHALL BE SUBMITTED TO DSA)
4. POSTING OF OCCUPANCY LOAD SIGNS SHALL COMPLY WITH CBC 1004.3 (NOT IN MODULAR MANUFACTURER'S SCOPE OF WORK)
5. IF BUILDING IS TO BE RELOCATED, SEE RELOCATION SHEETS REL-101 & REL-102.
6. FOR BUILDINGS THAT ARE MANUFACTURED IN-PLANT, THE IN-PLANT INSPECTOR IS TO ATTACH A VERIFIED REPORT INSIDE EACH BUILDING, WHICH SHALL INDICATE THE MANUFACTURER'S NAME AND THE SERIAL NUMBER FOR EACH BUILDING MODULE AS WELL AS THE DSA FILE AND APPLICATION NUMBERS. PER IR-16-1.13
7. ALL FIXTURE HEIGHTS TO BE VERIFIED PRIOR TO CONSTRUCTION.
8. INTERIOR WALLS MAY BE ADDED TO FLOOR PLAN. SEE STRUCTURAL
9. FOR CASEWORK, TEACHER WALL, OR TV BLOCKING OPTIONS, SEE SHEET A-5.80
10. IF AN INTERIOR PARTITION WALL IS REMOVED, 2 EXITS ARE REQUIRED AND MUST BE SEPARATED BY A DISTANCE APART EQUAL TO OR NOT LESS THAN ONE-HALF OF THE MAXIMUM OVERALL DIAGONAL DIMENSION FOR UNSPRINKLERED BUILDINGS AND ONE-THIRD THE MAXIMUM OVERALL DIAGONAL DIMENSION FOR SPRINKLERED BUILDING PER CBC SECTION 1015.2.1

DETAIL SCHEDULE

FINISH:	SHEET #:
☒ SIDING OVER WOOD STUDS(WUI COMPLIANT DURATEMP)	A-5.50
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
☐ SIDING OVER STEEL STUDS	A-5.60
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

FIRE RATED DETAIL SCHEDULE

FIRE PROTECTION:	SHEET #:
☐ 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
☐ 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63

MARKING & IDENTIFICATION OF FIRE RATED CONSTRUCTION. (CBC 703.7)
FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING. SUCH IDENTIFICATION SHALL:

1. BE LOCATED IN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACES;
2. BE LOCATED WITHIN 15 FEET OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 30 FEET MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION; AND
3. INCLUDE LETTERING NOT LESS THAN 3" IN HEIGHT AND A MIN. 3/8" STROKE IN A CONTRASTING COLOR INCORPORATING THE SUGGESTED WORDING "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS" OR OTHER SIMILAR WORDING.

WALL LEGEND

- NOMINAL 4" WALL STUD ☒
- NOMINAL 6" WALL STUD ☒
- NOMINAL 8" WALL STUD ☐
- A WINDOW PER SCHEDULE SHEET A-0.2
- # DOOR PER SCHEDULE SHEET A-0.2

NOTE:
IF PARAPET IS USED & HIGHER THAN 18", END WALLS MUST BE 2x6 @ 24" O.C.

THIS PLAN MAY INCLUDE THE VARIOUS EXERCISABLE OPTIONS APPLICABLE TO THE PC SUCH AS PARTITION WALLS, PLUMBING, ETC. FOR REFERENCE PURPOSES. OPTIONS CAN BE APPLIED AS REQUIRED TO THE PC'S BUILDING SIZES

SYMBOLS LEGEND

A = ADULT DIMENSIONS
E = ELEMENTARY DIMENSIONS
K = KINDERGARTEN DIMENSIONS

- 60" CIRCLE CLEAR SPACE
- 30"x48" CLEAR SPACE

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
FLOOR PLAN
48' TO 120' x 40'

JACK E. SHIVELY C-33467 REN 01-31-2015 STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
NOT FOR CONSTRUCTION
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC FLS SS
DATE APR 1 4 2015

REVISIONS
1
2
3
4
5
6
7
8

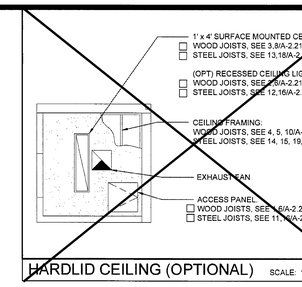
SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	09-10-14

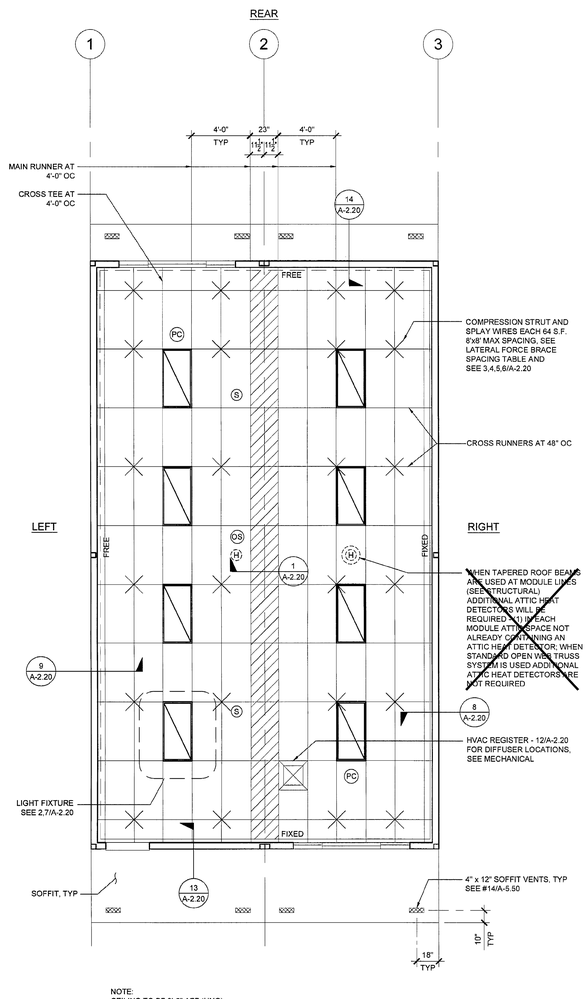
P.C. SHEET NUMBER
A-1.03

NOT USED | 2

NOT USED | 3



HARDLID CEILING (OPTIONAL) SCALE: 1/4" = 1'-0" | 4



REFLECTED CEILING PLAN SCALE: 1/4" = 1'- 0" | 1

LEGEND

- T-BAR CEILING
- FIELD INSTALLED PANEL AT MODULE LINE
- 2' x 4' RECESSED LIGHT FIXTURE
- "OPTIONAL" 1' x 4' RECESSED LIGHT FIXTURE
- SPLAY WIRE
- RETURN AIR REGISTER
- SUPPLY AIR REGISTER
- CEILING EXHAUST FAN
- (OS) CEILING MOUNTED OCCUPANCY SENSOR
- (PC) CEILING MOUNTED PHOTOCELL
- (S) CEILING MOUNTED SMOKE DETECTOR
- (H) ATTIC MOUNTED HEAT DETECTOR

NOTE:
FOR ALL REFLECTED CEILING NOTES SEE SHEET A-0.1

LATERAL FORCE BRACE SPACING

DESIGN SPECTRAL ACCELERATION PARAMETER (S_{DS}):	BRACE ASSEMBLY SPACING
LESS THAN OR EQUAL TO 1.15	12' X 12' - FULL BUILDING HEIGHT
GREATER THAN 1.15 AND LESS THAN OR EQ. TO 1.73	8' X 12' - FOR z/h GREATER THAN 0.5 12'X12' FOR z/h LESS THAN OR EQUAL TO 0.5
GREATER THAN 1.73	8'X8' FOR z/h GREATER THAN 0.5 8'X12' FOR z/h LESS THAN OR EQUAL TO 0.5

z = HEIGHT IN STRUCTURE OF POINT OF ATTACHMENT OF CEILING W/ RESPECT TO BASE.
h = AVERAGE ROOF HEIGHT OF THE STRUCTURE WITH RESPECT TO THE BASE.

T-BAR SCHEDULE

ARMSTRONG PART NUMBERS PA-041

MAIN RUNNER: 7301
4' CROSS TEE: XL7341
2' CROSS TEE: XL7328

STANDARD 2" WALL ANGLE WITH BERC-2 CLIP (ICC #ESR-1308)

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
REFLECTED CEILING PLAN
24' x 40'

LICENSED ARCHITECT — DAVID A. BRANDT — C-33407 — REN 01-31-2015 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
A SEPARATE PROJECT APPLICATION IS REQUIRED FOR CONSTRUCTION

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC. BLDG. DSA
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-10-14

P.C. SHEET NUMBER
A-2.01

NOT USED

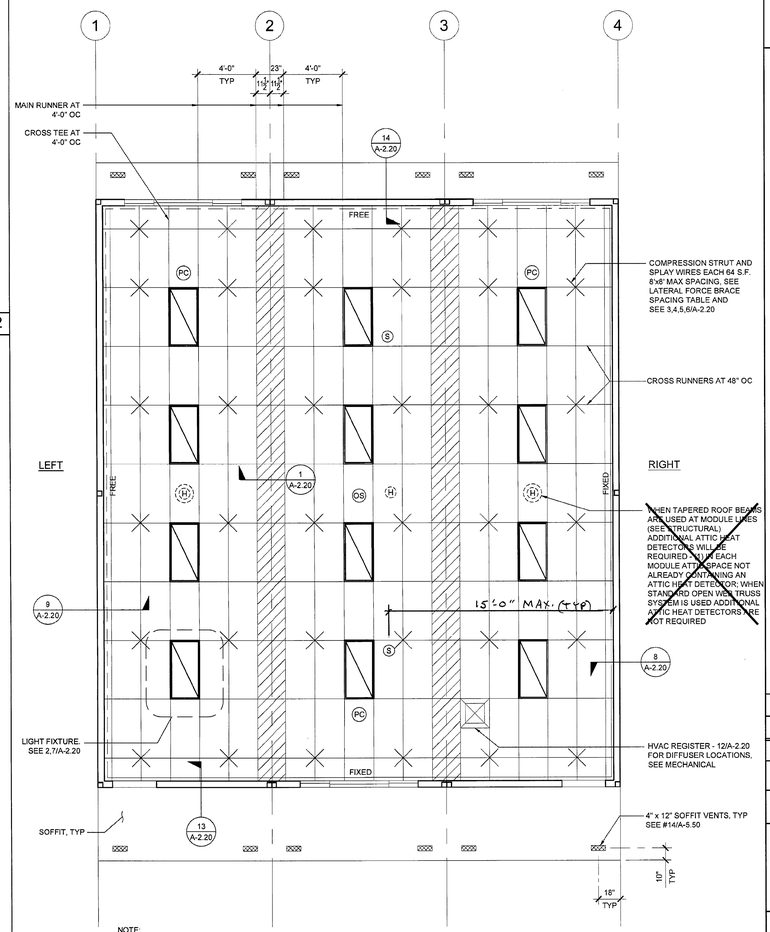
SCALE: 1/8" = 1' - 0" | 2

NOT USED

SCALE: 1/8" = 1' - 0" | 3

HARDLID CEILING (OPTIONAL) SCALE: 1/4" = 1'-0" | 1A

REAR



FRONT

REFLECTED CEILING PLAN SCALE: 1/4" = 1'-0" | 1

LEGEND

- T-BAR CEILING
- FIELD INSTALLED PANEL AT MODULE LINE
- 2' x 4' RECESSED LIGHT FIXTURE
- "OPTIONAL" 1' x 4' RECESSED LIGHT FIXTURE
- SPLAY WIRE
- RETURN AIR REGISTER
- SUPPLY AIR REGISTER
- CEILING EXHAUST FAN
- (OS) CEILING MOUNTED OCCUPANCY SENSOR
- (PC) CEILING MOUNTED PHOTOCELL
- (S) CEILING MOUNTED SMOKE DETECTOR
- (H) ATTIC MOUNTED HEAT DETECTOR

LATERAL FORCE BRACE SPACING

DESIGN SPECTRAL ACCELERATION PARAMETER (S_{DS})	BRACE ASSEMBLY SPACING
LESS THAN OR EQUAL TO 1.15	12' X 12' - FULL BUILDING HEIGHT
GREATER THAN 1.15 AND LESS THAN OR EQ. TO 1.73	8' X 12' - FOR z/h GREATER THAN 0.5 12'X12' FOR z/h LESS THAN OR EQUAL TO 0.5
GREATER THAN 1.73	8'X8' FOR z/h GREATER THAN 0.5 8'X12' FOR z/h LESS THAN OR EQUAL TO 0.5

z = HEIGHT IN STRUCTURE OF POINT OF ATTACHMENT OF CEILING W/ RESPECT TO BASE.
h = AVERAGE ROOF HEIGHT OF THE STRUCTURE WITH RESPECT TO THE BASE.

T-BAR SCHEDULE

ARMSTRONG PART NUMBERS PA-041

MAIN RUNNER: 7301
4' CROSS TEE: XL7341
2' CROSS TEE: XL7328

STANDARD 2" WALL ANGLE WITH BERC-2 CLIP (ICC #ESR-1308)

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
REFLECTED CEILING PLAN
36' x 40'

LICENSED ARCHITECT — JAMES A. SHIVELY — C-33467 — REN 01-31-2015 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT NOT FOR CONSTRUCTION A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

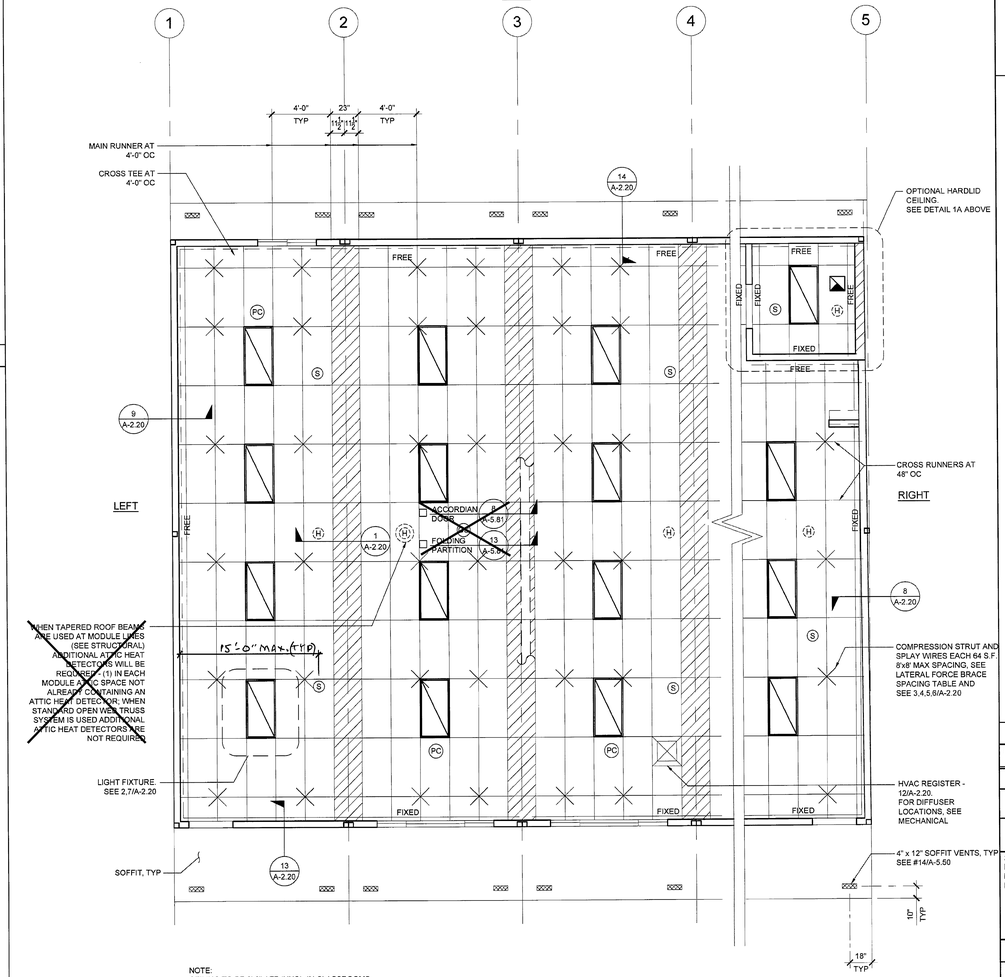
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC. FLS. SS.
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-10-14

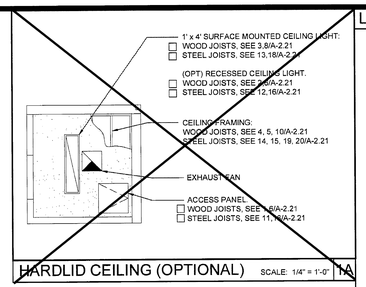
P.C. SHEET NUMBER
A-2.02



NOT USED | 2

NOT USED | 3

REFLECTED CEILING PLAN | SCALE: 1/4" = 1'-0" | 1



HARDLID CEILING (OPTIONAL) | SCALE: 1/4" = 1'-0" | 1A

LEGEND

- T-BAR CEILING
- FIELD INSTALLED PANEL AT MODULE LINE
- 2' x 4' RECESSED LIGHT FIXTURE
- "OPTIONAL" 1' x 4' RECESSED LIGHT FIXTURE
- SPLAY WIRE
- RETURN AIR REGISTER
- SUPPLY AIR REGISTER
- CEILING EXHAUST FAN
- OS — CEILING MOUNTED OCCUPANCY SENSOR
- PC — CEILING MOUNTED PHOTOCELL
- S — CEILING MOUNTED SMOKE DETECTOR
- H — ATTIC MOUNTED HEAT DETECTOR

NOTE:
FOR ALL REFLECTED CEILING NOTES SEE SHEET A-0.1

LATERAL FORCE BRACE SPACING

DESIGN SPECTRAL ACCELERATION PARAMETER (S_{DS})	BRACE ASSEMBLY SPACING
LESS THAN OR EQUAL TO 1.15	12' X 12' - FULL BUILDING HEIGHT
GREATER THAN 1.15 AND LESS THAN OR EQ. TO 1.73	8' X 12' - FOR z/h GREATER THAN 0.5 12'X12' FOR z/h LESS THAN OR EQUAL TO 0.5
GREATER THAN 1.73	8'X8' FOR z/h GREATER THAN 0.5 8'X12' FOR z/h LESS THAN OR EQUAL TO 0.5

z = HEIGHT IN STRUCTURE OF POINT OF ATTACHMENT OF CEILING W/ RESPECT TO BASE.
h = AVERAGE ROOF HEIGHT OF THE STRUCTURE WITH RESPECT TO THE BASE.

T-BAR SCHEDULE

ARMSTRONG PART NUMBERS PA-041

MAIN RUNNER: 7301
4' CROSS TEE: XL7341
2' CROSS TEE: XL7328

STANDARD 2" WALL ANGLE WITH BERC-2 CLIP (ICC #ESR-1308)

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
REFLECTED CEILING PLAN
48' TO 120' x 40'

LICENSED ARCHITECT PATRICK A. ENNIS C-33497 REN 01-31-2015 STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
IS EXEMPT FROM DSA REVIEW
FOR CONSTRUCTION AS PER CHAPTER

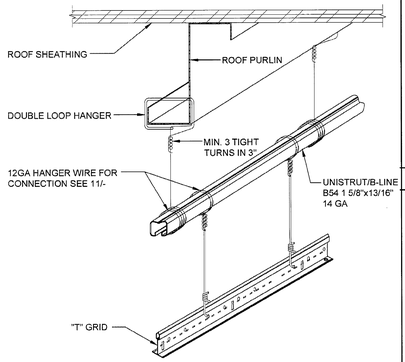
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC. — FLS.
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

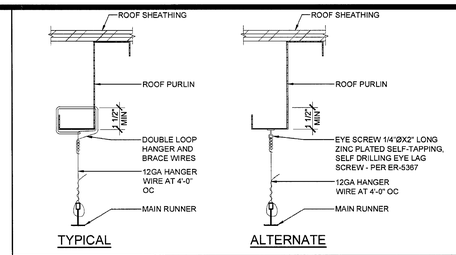
' SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-10-14

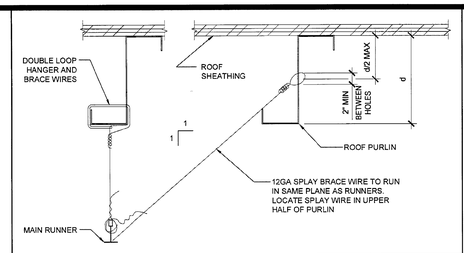
P.C. SHEET NUMBER
A-2.03



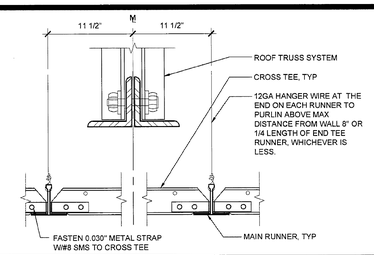
TRAPEZE DETAIL | 17



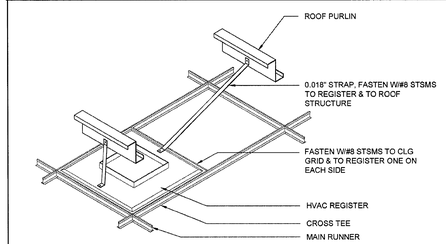
HANGER WIRE DETAIL | SCALE : 3"=1'-0" | 11



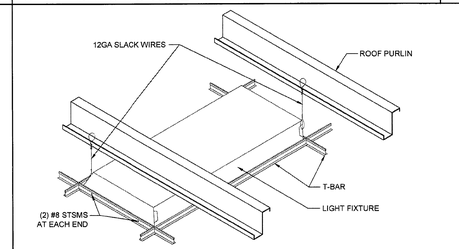
SPLAY BRACING WIRE | SCALE : 3"=1'-0" | 6



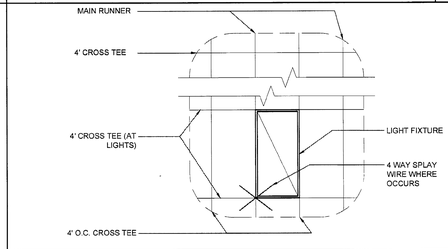
GRID AT MODLINE | SCALE : 3"=1'-0" | 1



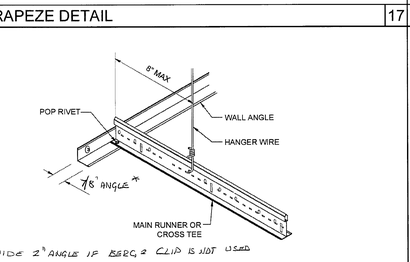
HVAC REGISTER MOUNTING | SCALE : NTS | 12



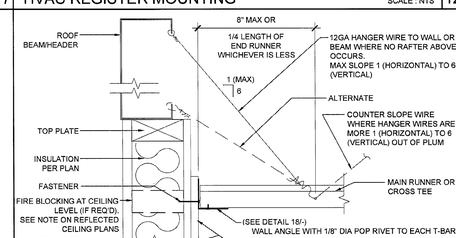
LIGHT FIXTURE MOUNTING | SCALE : NTS | 7



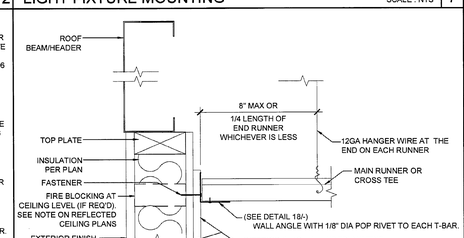
4' CROSS TEE AT LIGHTS | SCALE : 3/8"=1'-0" | 2



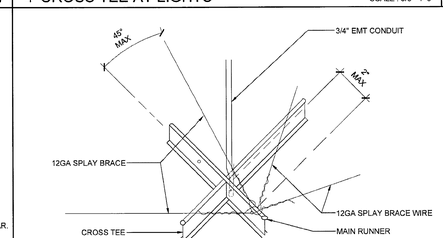
FIXED SIDE | SCALE : NTS | 18



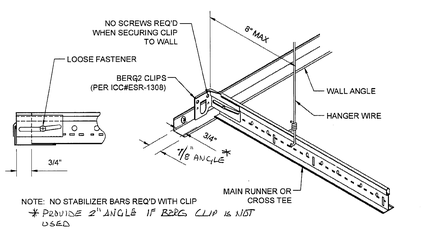
FIXED SIDE (ENDWALL) | SCALE : 3"=1'-0" | 13



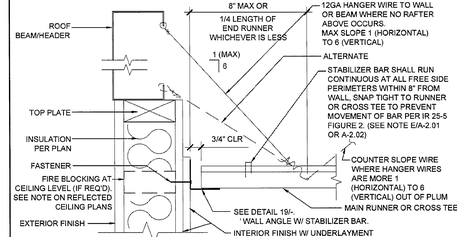
FIXED SIDE (SIDEWALL) | SCALE : 3"=1'-0" | 8



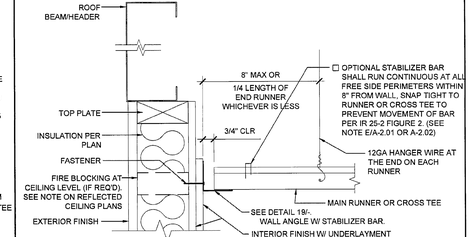
SEISMIC SPLAY - 4 WAY | SCALE : NTS | 3



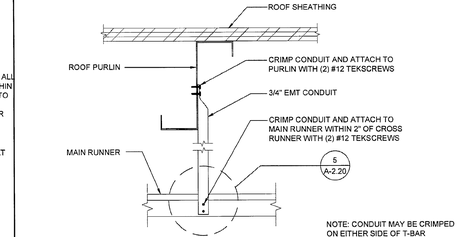
FREE SIDE | SCALE : NTS | 19



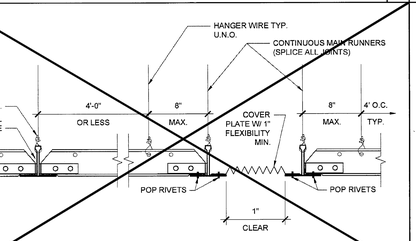
FREE SIDE (ENDWALL) | SCALE : 3"=1'-0" | 14



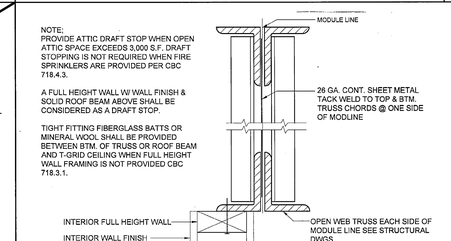
FREE SIDE (SIDEWALL) | SCALE : 3"=1'-0" | 9



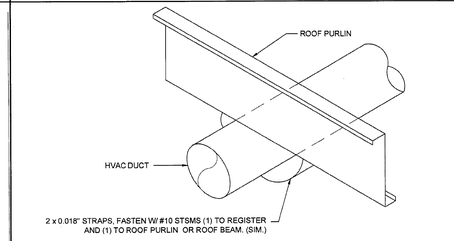
COMPRESSION STRUT | SCALE : 3"=1'-0" | 4



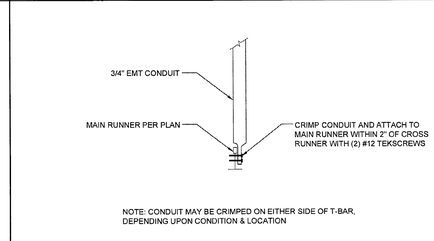
GRID SEISMIC SEPARATION JOINT | SCALE : 3"=1'-0" | 20



ATTIC DRAFT STOP | SCALE : 3"=1'-0" | 15



HVAC DUCTWORK MOUNTING | SCALE: NTS | 10



COMPRESSION STRUT | SCALE : 3"=1'-0" | 5

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
CEILING DETAILS
T-GRID

LICENSED ARCHITECT — JAMES A. HINTZEN — C-33487 — REN 01-31-2015 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT NOT FOR CONSTRUCTION A DEPARTMENT OF STATE ARCHITECT APPLICATION FOR CONSTRUCTION IS REQUIRED

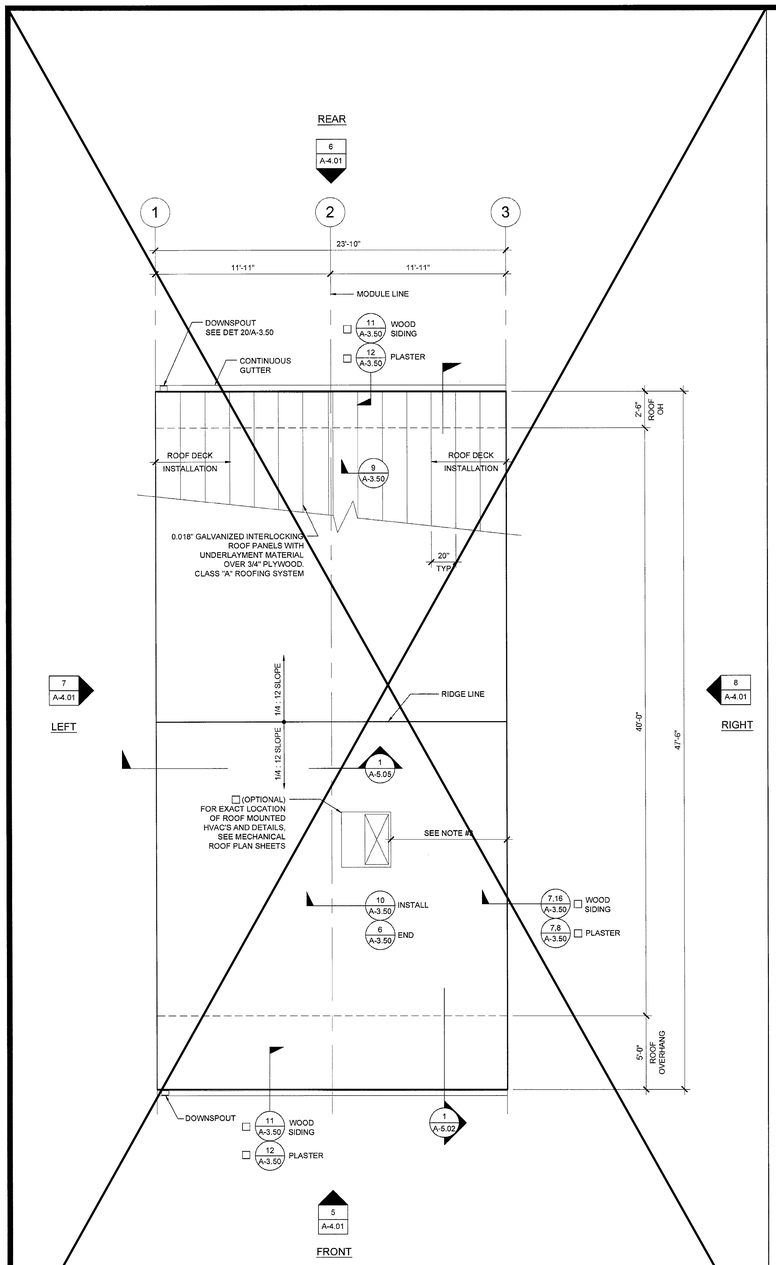
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC ELS SS
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

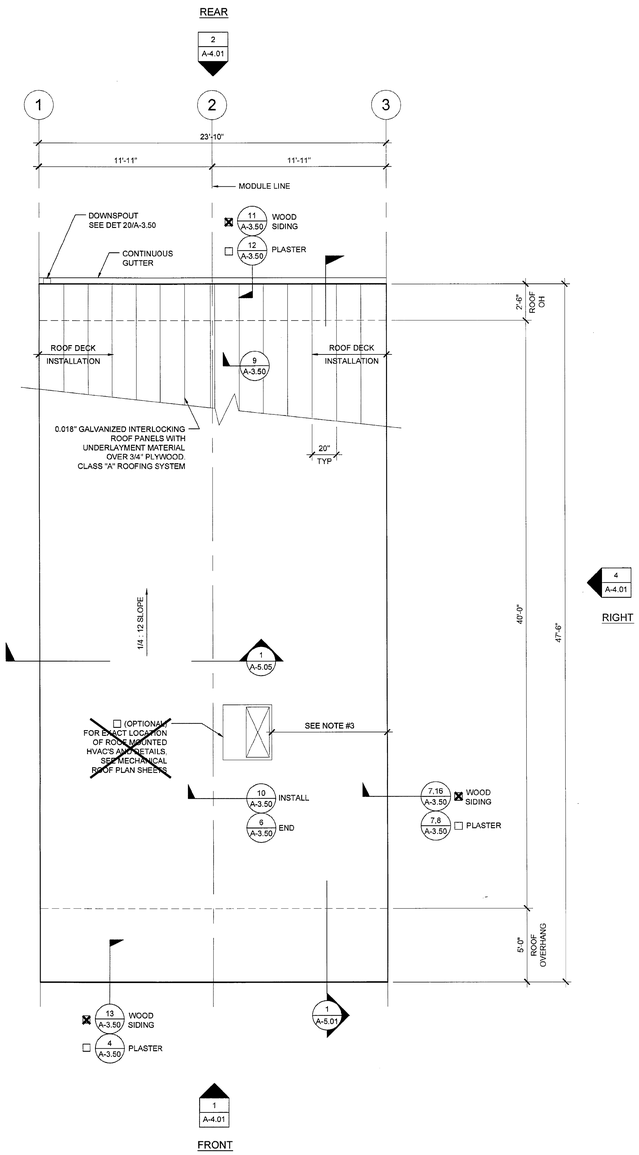
SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-10-14

P.C. SHEET NUMBER
A-2.20



ROOF PLAN - 0.018" METAL DECK - DUAL SLOPE SCALE: 1/4" = 1'-0" 2



ROOF PLAN - 0.018" METAL DECK - MONO SLOPE SCALE: 1/4" = 1'-0" 1

NOTES

1. GROUP E OCCUPANCIES - BUILDINGS SHALL HAVE ROOF COVERINGS AS SPECIFIED IN CBC TABLE 1505.1 - CLASS A.
2. LOCATIONS OF DRAFTSTOP AND/OR FULL HEIGHT PARTITIONS AS REQUIRED PER CBC-718.4.3 SHALL BE SHOWN ON PROJECT SPECIFIC PLANS LOCATED AT MODULE LINES.
3. ALL ROOFTOP EQUIPMENT THAT REQUIRES SERVICE & ROOF ACCESS HATCHES MUST BE A MIN. OF 10'-0" AWAY FROM ALL ROOF EDGES TO OPENING EDGES, OR PROVIDE 42" MIN. CBC 2013 SECTIONS 1013.6 & 1013.7. PARAPET OR GUARDRAIL
4. FOR SPECIFIC DOWNSPOUT LOCATIONS FOR VARIOUS BUILDING SIZES, SEE KEY PLANS ON SHEET A-0.3. LOCATE ONE (1) DOWNSPOUT FOR EVERY THREE (3) MODULES (TYP.)
5. ANY BUILDING OVER 3,000 SQ/FT REQUIRES A DRAFT STOP UNLESS BUILDING IS EQUIPPED WITH FIRE SPRINKLERS.

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
ROOF PLAN
24'x40' - 0.018" METAL DECK
MONO OR DUAL SLOPE

LICENSED ARCHITECT — BRIAN A. SHIVELY — C-33407 — REN 01-31-2015 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

FIRE-CHECK (FC) DOCUMENT CODE: 2013 CBC
A SEPARATE PERMIT APPLICATION FOR CONSTRUCTION IS REQUIRED

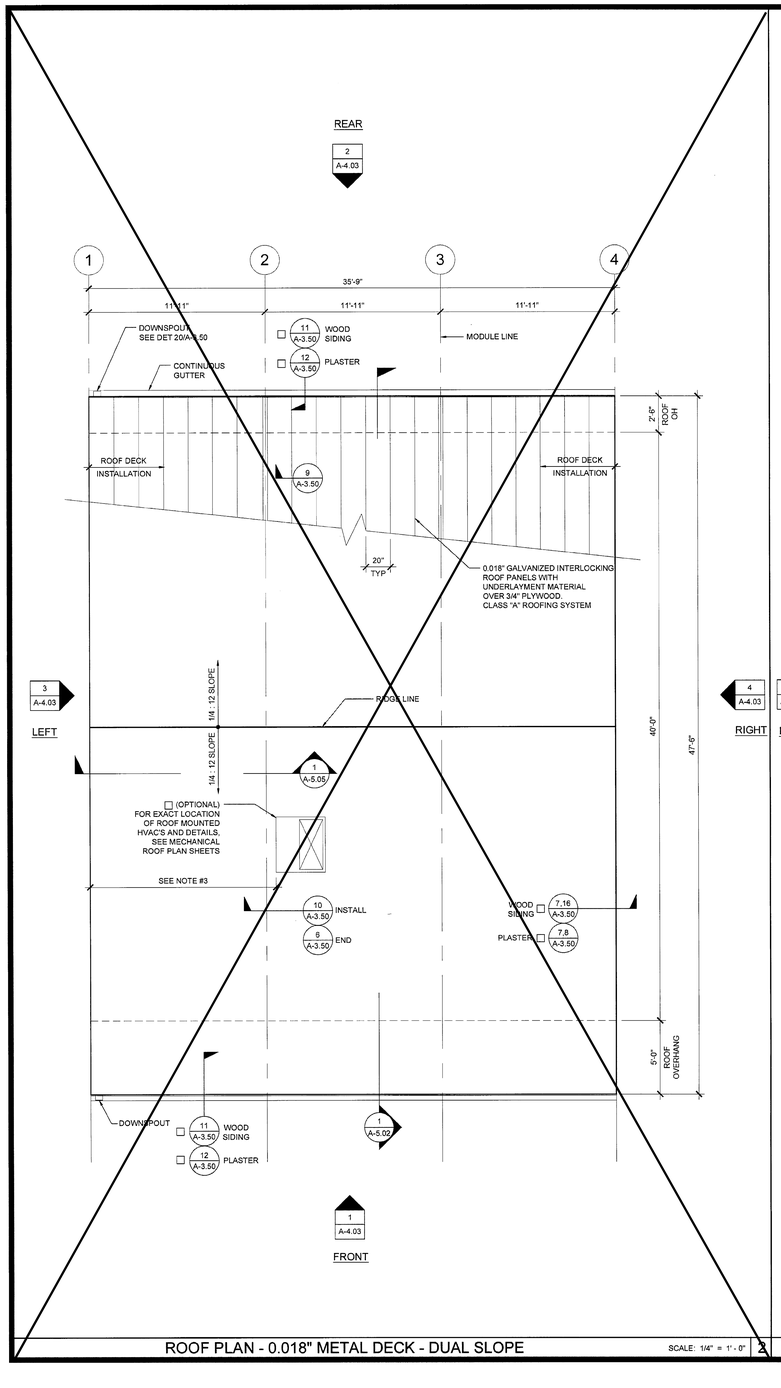
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC FLS SS
DATE APR 1 4 2015

REVISIONS
1
2
3
4
5
6
7
8

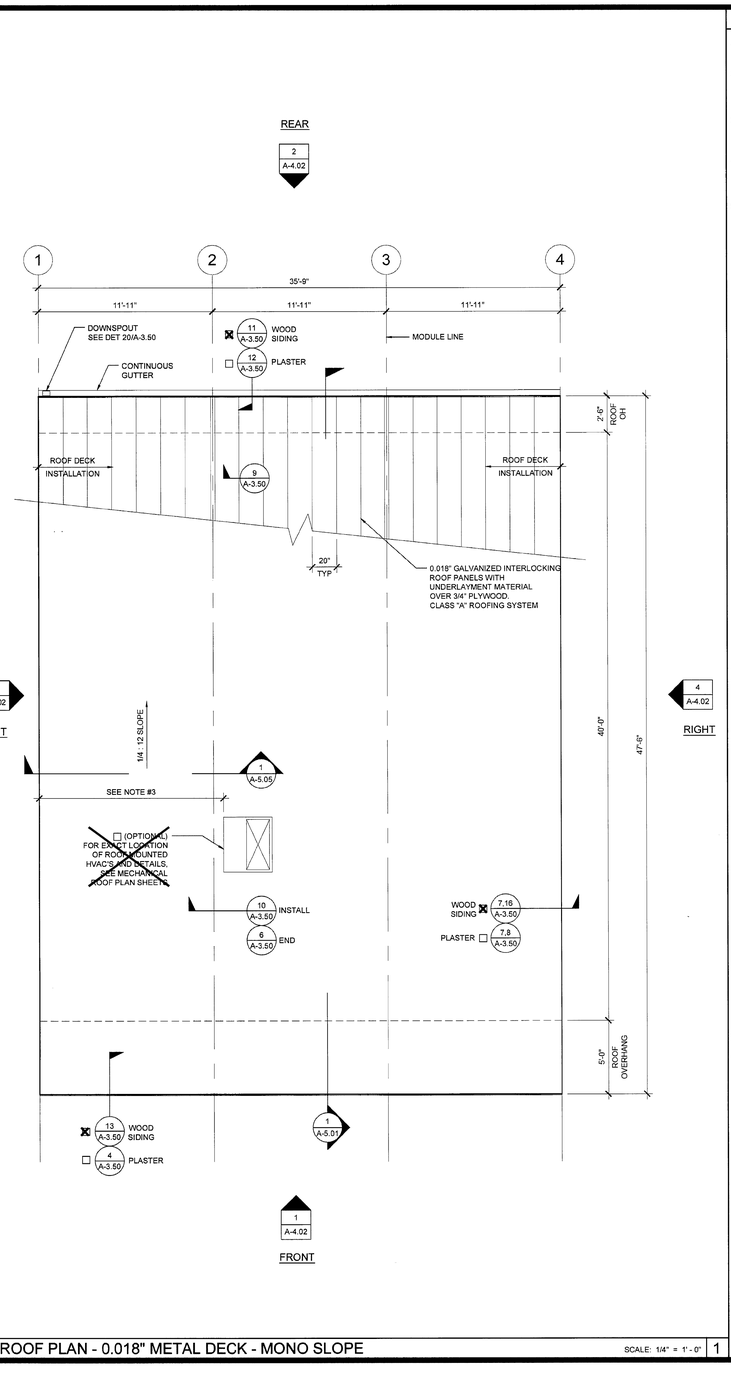
SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	09-10-14

P.C. SHEET NUMBER
A-3.01



ROOF PLAN - 0.018" METAL DECK - DUAL SLOPE SCALE: 1/4" = 1' - 0" 2



ROOF PLAN - 0.018" METAL DECK - MONO SLOPE SCALE: 1/4" = 1' - 0" 1

NOTES

1. GROUP E OCCUPANCIES - BUILDINGS SHALL HAVE ROOF COVERINGS AS SPECIFIED IN CBC TABLE 1505.1 - CLASS A.
2. LOCATIONS OF DRAFTSTOP AND/OR FULL HEIGHT PARTITIONS AS REQUIRED PER CBC-718.4.3 SHALL BE SHOWN ON PROJECT SPECIFIC PLANS LOCATED AT MODULE LINES.
3. ALL ROOFTOP EQUIPMENT THAT REQUIRES SERVICE & ROOF ACCESS HATCHES MUST BE A MIN. OF 10'-0" AWAY FROM ALL ROOF EDGES TO OPENING EDGES OR PROVIDE 42" MIN PARAPET OR GUARDRAIL CBC 2013 SECTIONS 1013.6 & 1013.7.
4. FOR SPECIFIC DOWNSPOUT LOCATIONS FOR VARIOUS BUILDING SIZES, SEE KEY PLANS ON SHEET A-0.3. LOCATE ONE (1) DOWNSPOUT FOR EVERY THREE (3) MODULES (TYP)
5. ANY BUILDING OVER 3,000 SQ/FT REQUIRES A DRAFT STOP UNLESS BUILDING IS EQUIPPED WITH FIRE SPRINKLERS.

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
ROOF PLAN
36' x 40' - 0.018" METAL DECK
MONO OR DUAL SLOPE

LICENSED ARCHITECT — SHI VELTI — C-33467 — REN 01-31-2015 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
A SEPARATE PERMIT APPLICATION FOR CONSTRUCTION IS REQUIRED

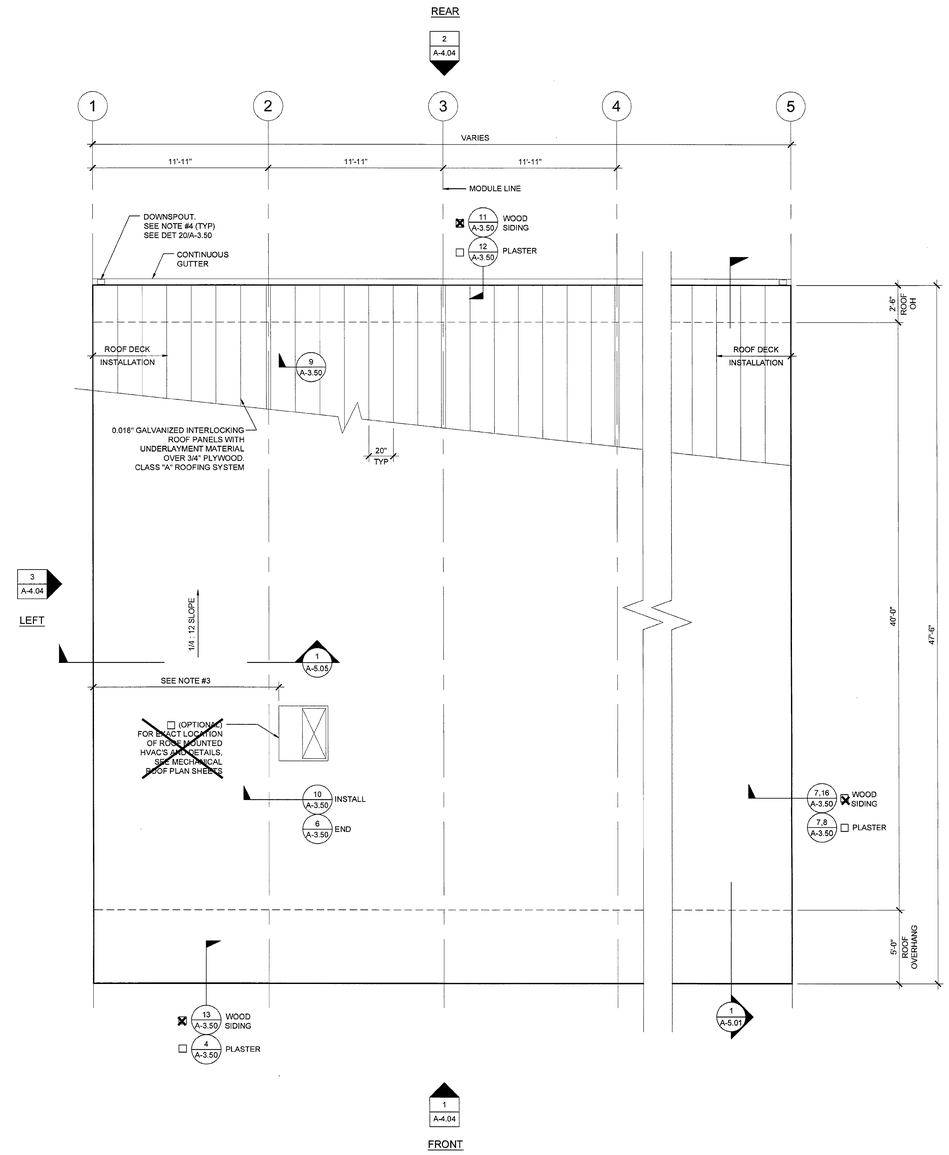
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC FLS SS
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

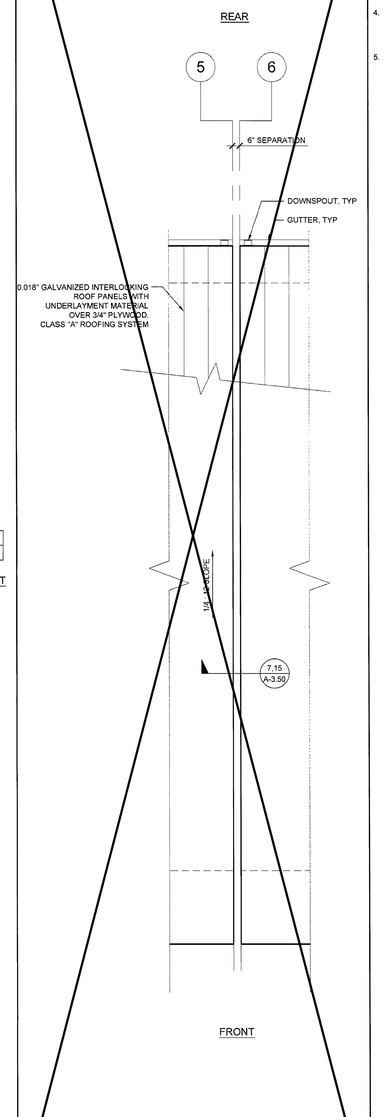
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	09-10-14

P.C. SHEET NUMBER
A-3.02



ROOF PLAN - 0.018" METAL DECK - MONO SLOPE

SCALE: 1/4" = 1' - 0" 2



ROOF SEP. PLAN OPTION

SCALE: 1/4" = 1' - 0" 1

NOTES

1. GROUP E OCCUPANCIES - BUILDINGS SHALL HAVE ROOF COVERINGS AS SPECIFIED IN CBC TABLE 1505.1 - CLASS A.
2. LOCATIONS OF DRAFTSTOP AND/OR FULL HEIGHT PARTITIONS AS REQUIRED PER CBC-718.4.3 SHALL BE SHOWN ON PROJECT SPECIFIC PLANS LOCATED AT MODULE LINES.
3. ALL ROOFTOP EQUIPMENT THAT REQUIRES SERVICE & ROOF ACCESS HATCHES MUST BE A MIN. OF 10'-0" AWAY FROM ALL ROOF EDGES TO OPENING EDGES OR PROVIDE 42" MIN. PARAPET OR GUARDRAIL CBC 2013 SECTIONS 1013.6 & 1013.7.
4. FOR SPECIFIC DOWNSPOUT LOCATIONS FOR VARIOUS BUILDING SIZES, SEE KEY PLANS ON SHEET A-0.3 LOCATE ONE (1) DOWNSPOUT FOR EVERY THREE (3) MODULES (TYP)
5. ANY BUILDING OVER 3,000 SQ/FT REQUIRES A DRAFT STOP UNLESS BUILDING IS EQUIPPED WITH FIRE SPRINKLERS.

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
ROOF PLAN
48' TO 120' x 40'
0.018" METAL DECK
MONO SLOPE

LICENSED ARCHITECT
RICK A. SHIFFER, III
C-33467
REN 01-31-2015
STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
A SEPARATE PERMIT APPLICATION (OR) CONSTRUCTION IS REQUIRED

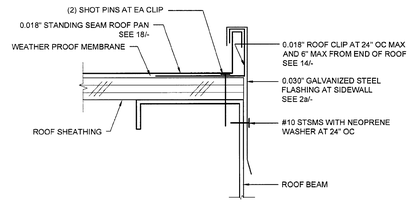
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC ___ FS ___ SS ___
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

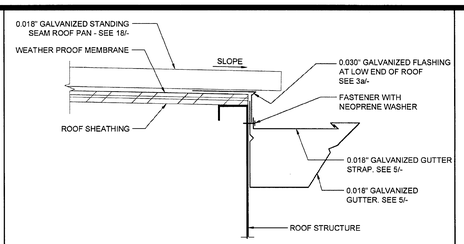
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-10-14

P.C. SHEET NUMBER
A-3.03



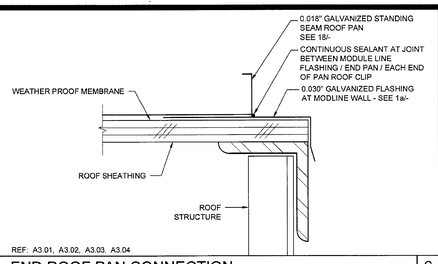
REF: A3.01, A3.02, A3.03, A3.04

ROOF FLASHING AT SIDEWALL SCALE : 6"=1'-0" 16



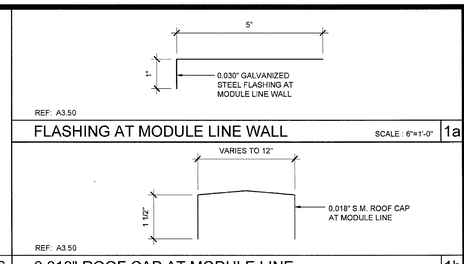
REF: A3.01, A3.02, A3.03, A3.04

GUTTER AT ROOF FASCIA BEAM SCALE : 3"=1'-0" 11



REF: A3.01, A3.02, A3.03, A3.04

END ROOF PAN CONNECTION SCALE : 6"=1'-0" 6

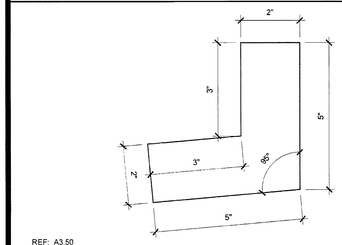


REF: A3.50

FLASHING AT MODULE LINE WALL SCALE : 6"=1'-0" 1a

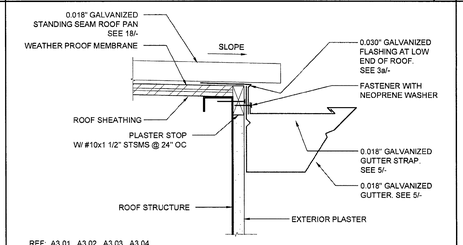
REF: A3.50

0.018" ROOF CAP AT MODULE LINE SCALE : 6"=1'-0" 1b



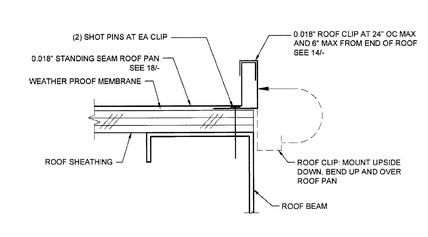
REF: A3.50

DOWNSPOUT ATTACHMENT SCALE : 6"=1'-0" 17



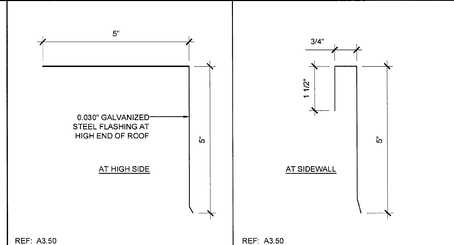
REF: A3.01, A3.02, A3.03, A3.04

GUTTER AT ROOF FASCIA BEAM SCALE : 3"=1'-0" 12



REF: A3.01, A3.02, A3.03, A3.04

STARTER ROOF PAN CONNECTION SCALE : 6"=1'-0" 7

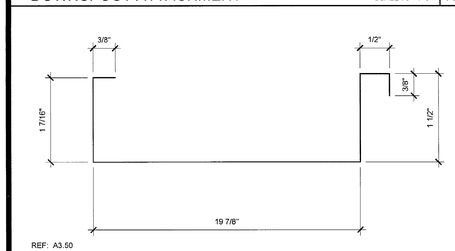


REF: A3.50

ROOF FLASHING SCALE : 6"=1'-0" 2b

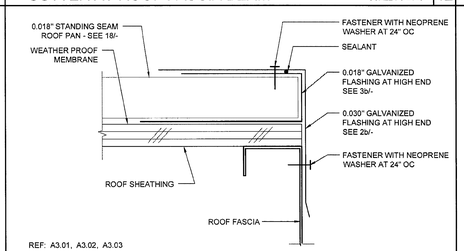
REF: A3.50

ROOF FLASHING SCALE : 6"=1'-0" 2a



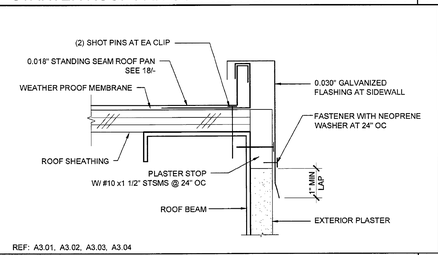
REF: A3.50

ROOF DECK PROFILE SCALE : 6"=1'-0" 18



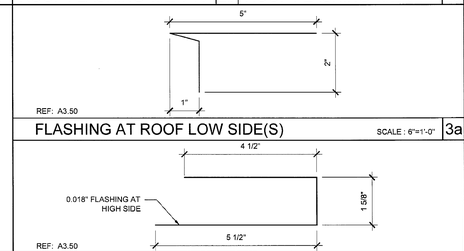
REF: A3.01, A3.02, A3.03

ROOF FLASHING AT HIGH SIDE SCALE : 6"=1'-0" 13



REF: A3.01, A3.02, A3.03, A3.04

ROOF FLASHING AT SIDEWALL SCALE : 6"=1'-0" 8

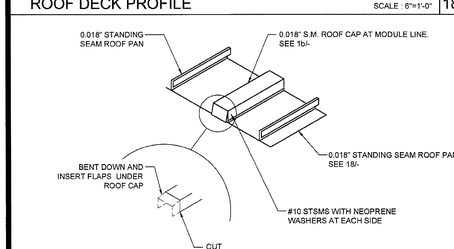


REF: A3.50

FLASHING AT ROOF LOW SIDE(S) SCALE : 6"=1'-0" 3a

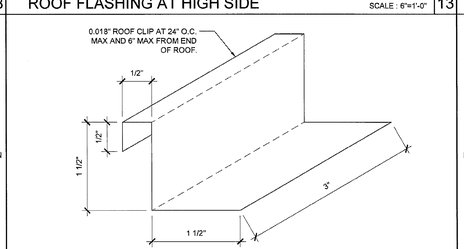
REF: A3.50

FLASHING AT ROOF HIGH SIDE SCALE : 6"=1'-0" 3b



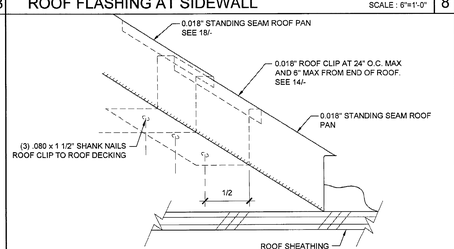
REF: A3.50

MODULE LINE ROOF CAP SCALE : NTS 19



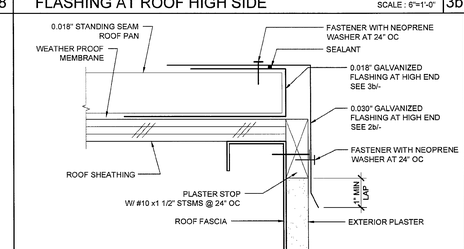
REF: A3.50

ROOF CLIP SCALE : 1'-0"=1'-0" 14



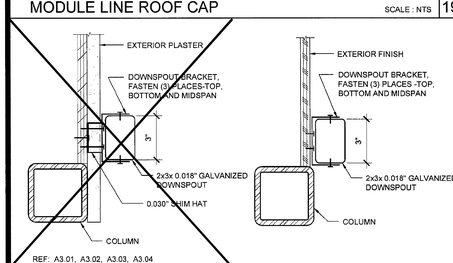
REF: A3.01, A3.02, A3.03, A3.04

ROOF STANDING SEAM SCALE : NTS 9



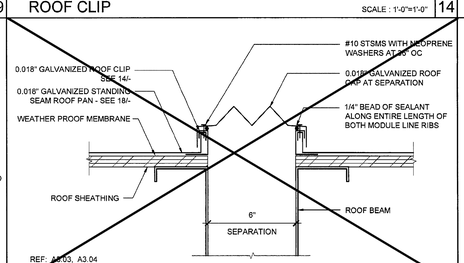
REF: A3.01, A3.02, A3.03

ROOF FLASHING AT HIGH SIDE SCALE : 6"=1'-0" 4



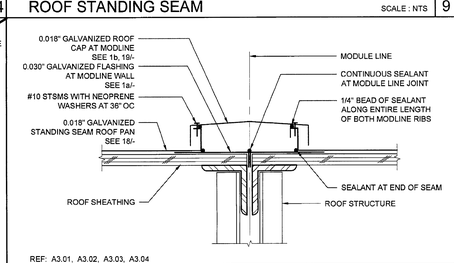
REF: A3.01, A3.02, A3.03, A3.04

DOWNSPOUT ATTACHMENT SCALE : 3"=1'-0" 20



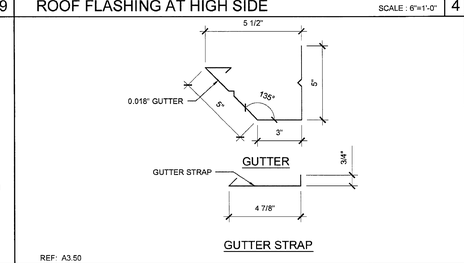
REF: A3.03, A3.04

ROOF CAP AT SEPARATION SCALE : 3"=1'-0" 15



REF: A3.01, A3.02, A3.03, A3.04

MODULE LINE ROOF CAP - 0.018" ROOF SCALE : 3"=1'-0" 10



REF: A3.50

0.018" GUTTER AND GUTTER STRAP SCALE : 3"=1'-0" 5

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
ROOF DETAILS
0.018" STANDING SEAM
ROOF DECK

LICENSED ARCHITECT — STEVEN R. SHIVELY III — C-33407 — RENEW 01-31-2015 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CCR, 2013 CBC
A RESPONSIBLE CHARGE OF CONSTRUCTION IS REQUIRED

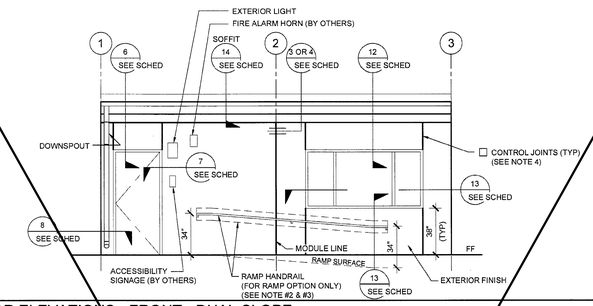
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC. FLS. SS.
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

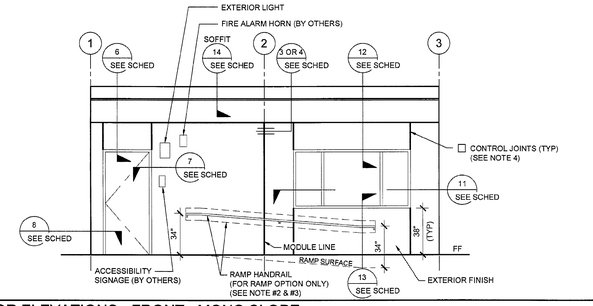
SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-10-14

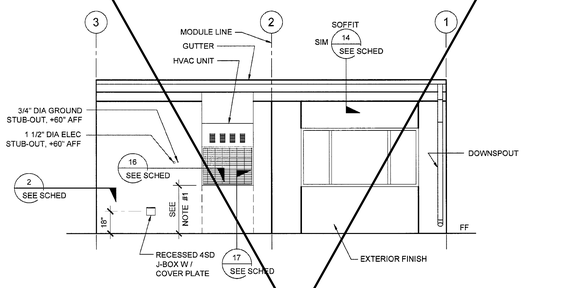
P.C. SHEET NUMBER
A-3.50



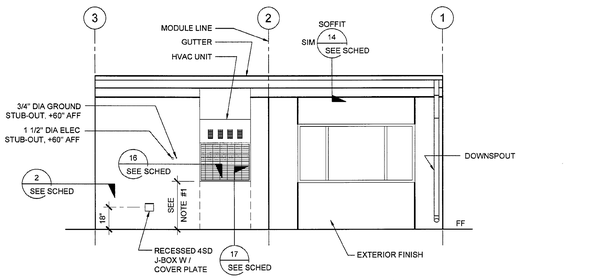
EXTERIOR ELEVATIONS - FRONT - DUAL SLOPE — SCALE: 1/4" = 1' - 0" — 5



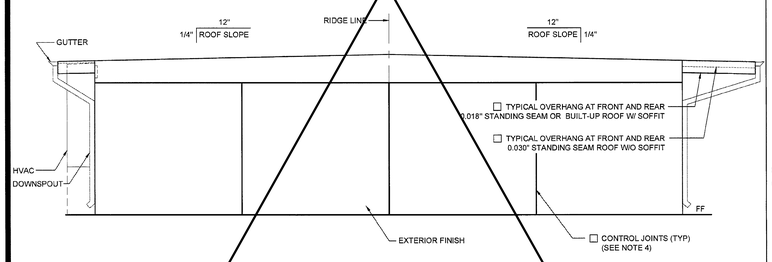
EXTERIOR ELEVATIONS - FRONT - MONO SLOPE — SCALE: 1/4" = 1' - 0" — 1



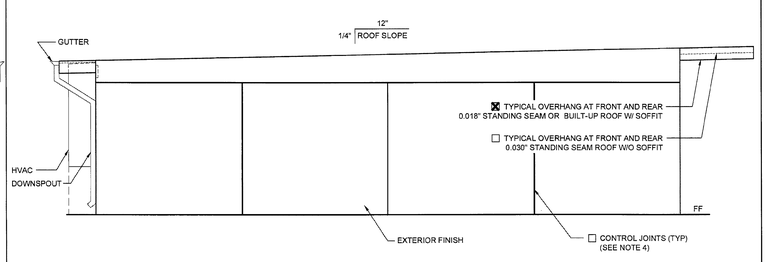
EXTERIOR ELEVATIONS - REAR - DUAL SLOPE — SCALE: 1/4" = 1' - 0" — 6



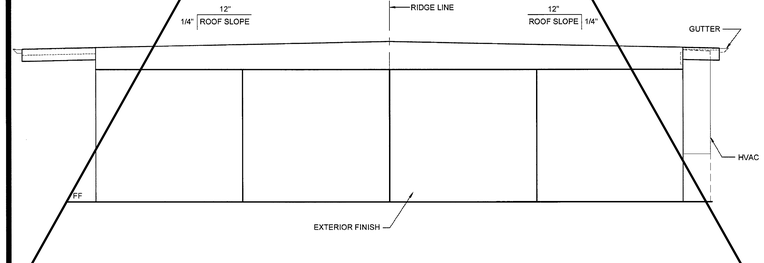
EXTERIOR ELEVATIONS - REAR - MONO SLOPE — SCALE: 1/4" = 1' - 0" — 2



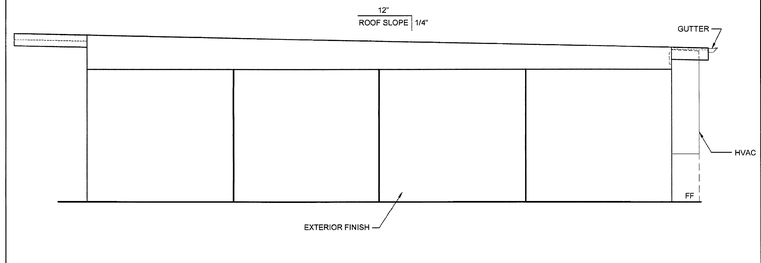
EXTERIOR ELEVATIONS - LEFT - DUAL SLOPE — SCALE: 1/4" = 1' - 0" — 7



EXTERIOR ELEVATIONS - LEFT - MONO SLOPE — SCALE: 1/4" = 1' - 0" — 3



EXTERIOR ELEVATIONS - RIGHT - DUAL SLOPE — SCALE: 1/4" = 1' - 0" — 8



EXTERIOR ELEVATIONS - RIGHT - MONO SLOPE — SCALE: 1/4" = 1' - 0" — 4

NOTES (EXTERIOR ELEVATION)

1. PROVIDE PROTECTION RAIL AROUND HVAC UNIT(S) IF LOCATED IN A PEDESTRIAN WAY IF THE HEIGHT FROM GRADE TO BOTTOM OF UNIT EXCEEDS 27" (NIC). REFERENCE TO DET. # 2/A5.61 FOR WOOD STUDS, # 17/A5.81 FOR STEEL STUDS
2. RAMP (WHERE OCCURS), NOT SHOWN FOR CLARITY.
3. WALL BEYOND HANDRAIL SHALL NOT HAVE ANY SHARP OR ABRASIVE SURFACE ADJACENT TO HANDRAILS. (GRIND SMOOTH ALL METAL RAILING CONNECTIONS - SMOOTH SURFACE TO EXTEND 8" ABOVE HANDRAIL)
4. FOR PLASTER ONLY, PROVIDE CONTROL JOINT AT EACH MODLINE, ON END WALLS, 10'-0" OC AT SIDE WALLS, AND / OR ABOVE AND BELOW OPENINGS. WHERE FIRE RATED WALLS ARE REQUIRED, MATERIALS AND METHODS OF CONSTRUCTION USED TO PROTECT JOINTS WILL COMPLY WITH CBC SECTION 703.2 AND 705.
5. HANDRAIL IS NOT ALLOWED AT PLASTER OPTION WHERE RAMP IS AGAINST THE WALL., SEE DETAIL 1/R-2.01 FOR SIMILAR APPLICATION

DETAIL SCHEDULE

EXTERIOR FINISH:	SHEET #:
☒ SIDING OVER WOOD STUDS	A-5.50
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
☐ SIDING OVER STEEL STUDS	A-5.60
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

FIRE RATED DETAIL SCHEDULE

FIRE PROTECTION:	SHEET #:
☐ 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
☐ 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
EXTERIOR ELEVATION
24' X 40'
MONO / DUAL SLOPE

LICENSED ARCHITECT — RICK A. NAVEJAS — C-33487 — REN 01-31-2015 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PCI) DOCUMENT
DO NOT USE FOR CONSTRUCTION
A SEPARATE PROJECT APPLICATION
IS REQUIRED FOR CONSTRUCTION

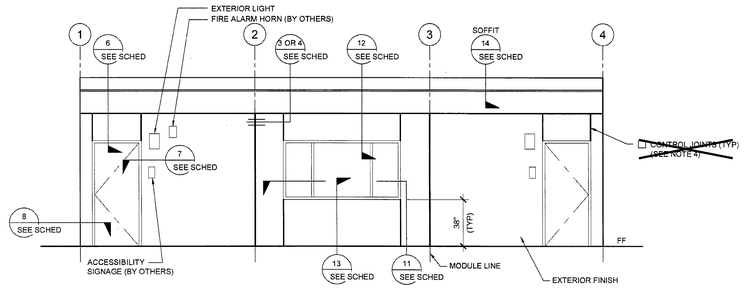
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
APPROVED FLS SS
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

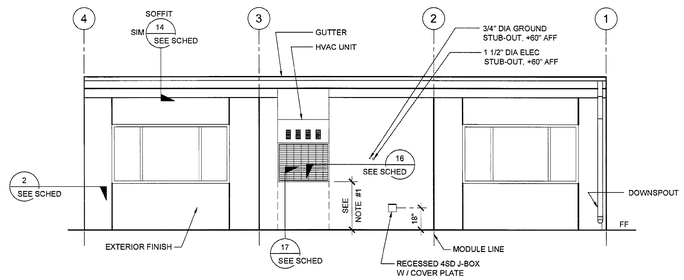
SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	09-10-14

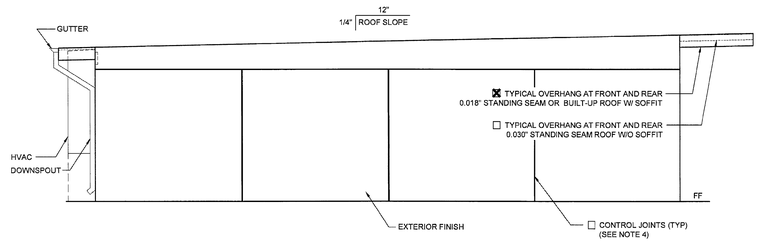
P.C. SHEET NUMBER
A-4.01



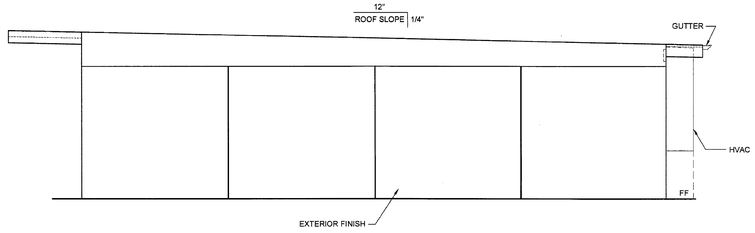
EXTERIOR ELEVATIONS - FRONT - MONO SLOPE — SCALE: 1/4" = 1' - 0" | 1



EXTERIOR ELEVATIONS - REAR - MONO SLOPE — SCALE: 1/4" = 1' - 0" | 2



EXTERIOR ELEVATIONS - LEFT - MONO SLOPE — SCALE: 1/4" = 1' - 0" | 3



EXTERIOR ELEVATIONS - RIGHT - MONO SLOPE — SCALE: 1/4" = 1' - 0" | 4

NOTES (EXTERIOR ELEVATION)

1. PROVIDE PROTECTION RAIL AROUND HVAC UNIT(S) IF LOCATED IN A PEDESTRIAN WAY IF THE HEIGHT FROM GRADE TO BOTTOM OF UNIT EXCEEDS 27" (NIC). REFERENCE TO DET. # 2/A5.81 FOR WOOD STUDS, # 17/A5.81 FOR STEEL STUDS
2. RAMP (WHERE OCCURS), NOT SHOWN FOR CLARITY.
3. WALL BEYOND HANDRAIL SHALL NOT HAVE ANY SHARP OR ABRASIVE SURFACE ADJACENT TO HANDRAILS. (GRIND SMOOTH ALL METAL RAILING CONNECTIONS - SMOOTH SURFACE TO EXTEND 8" ABOVE HANDRAIL)
4. FOR PLASTER ONLY, PROVIDE CONTROL JOINT AT EACH MODLINE, ON END WALLS, 10'-0" OC AT SIDE WALLS, AND / OR ABOVE AND BELOW OPENINGS. WHERE FIRE RATED WALLS ARE REQUIRED, MATERIALS AND METHODS OF CONSTRUCTION USED TO PROTECT JOINTS WILL COMPLY WITH CBC SECTION 703.2 AND 705.
5. HANDRAIL IS NOT ALLOWED AT PLASTER OPTION WHERE RAMP IS AGAINST THE WALL. SEE DETAIL 1/R-2.01 FOR SIMILAR APPLICATION

DETAIL SCHEDULE

EXTERIOR FINISH:	SHEET #:
☒ SIDING OVER WOOD STUDS	A-5.50
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
☐ SIDING OVER STEEL STUDS	A-5.60
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

FIRE RATED DETAIL SCHEDULE

FIRE PROTECTION:	SHEET #:
☐ 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
☐ 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
EXTERIOR ELEVATION
36' X 40'
MONO SLOPE

LICENSED ARCHITECT — C-33467 — REN 01-31-2015 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT ONLY - NOT FOR CONSTRUCTION A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

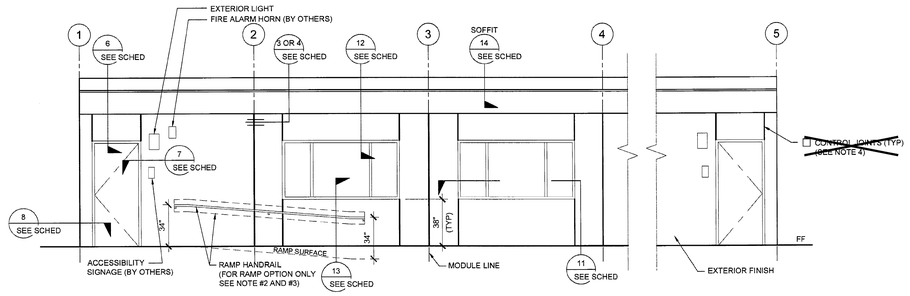
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
APPR. FLS. SS
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

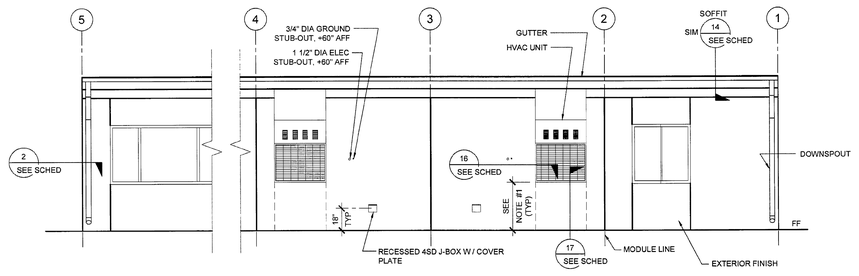
SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	09-10-14

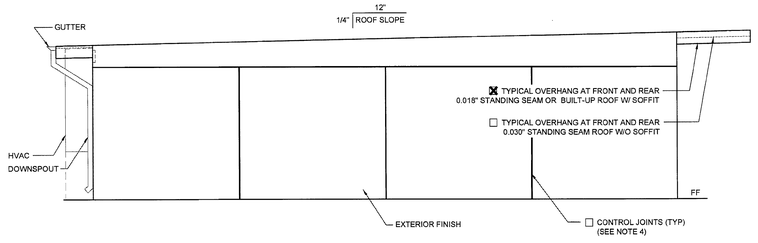
P.C. SHEET NUMBER
A-4.02



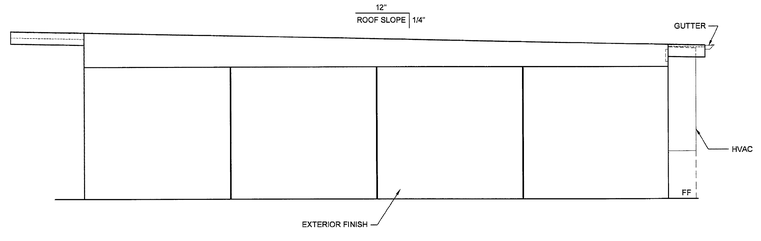
EXTERIOR ELEVATIONS - FRONT - MONO SLOPE — SCALE: 1/4" = 1' - 0" | 1



EXTERIOR ELEVATIONS - REAR - MONO SLOPE — SCALE: 1/4" = 1' - 0" | 2



EXTERIOR ELEVATIONS - LEFT - MONO SLOPE — SCALE: 1/4" = 1' - 0" | 3



EXTERIOR ELEVATIONS - RIGHT - MONO SLOPE — SCALE: 1/4" = 1' - 0" | 4

NOTES (EXTERIOR ELEVATION)

1. PROVIDE PROTECTION RAIL AROUND HVAC UNIT(S) IF LOCATED IN A PEDESTRIAN WAY IF THE HEIGHT FROM GRADE TO BOTTOM OF UNIT EXCEEDS 27" (NIC). REFERENCE TO DET. # 2/A5.81 FOR WOOD STUDS, # 17/A5.81 FOR STEEL STUDS
2. RAMP (WHERE OCCURS), NOT SHOWN FOR CLARITY.
3. WALL BEYOND HANDRAIL SHALL NOT HAVE ANY SHARP OR ABRASIVE SURFACE ADJACENT TO HANDRAILS. (GRIND SMOOTH ALL METAL RAILING CONNECTIONS - SMOOTH SURFACE TO EXTEND 8" ABOVE HANDRAIL)
4. FOR PLASTER ONLY, PROVIDE CONTROL JOINT AT EACH MODLINE, ON END WALLS, 10'-0" OC AT SIDE WALLS, AND / OR ABOVE AND BELOW OPENINGS. WHERE FIRE RATED WALLS ARE REQUIRED, MATERIALS AND METHODS OF CONSTRUCTION USED TO PROTECT JOINTS WILL COMPLY WITH CBC SECTION 703.2 AND 705.
5. HANDRAIL IS NOT ALLOWED AT PLASTER OPTION WHERE RAMP IS AGAINST THE WALL. SEE DETAIL 1/R-2.01 FOR SIMILAR APPLICATION

DETAIL SCHEDULE

EXTERIOR FINISH:	SHEET #:
☒ SIDING OVER WOOD STUDS	A-5.50
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
☐ SIDING OVER STEEL STUDS	A-5.60
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

FIRE RATED DETAIL SCHEDULE

FIRE PROTECTION:	SHEET #:
☐ 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
☐ 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
EXTERIOR ELEVATION
48' TO 120' X 40'
MONO SLOPE

LICENSED ARCHITECT — BRIAN A. SHIVELY — C-33487 — REN 01-31-2015 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
IS SUITABLE FOR PLAN REVIEW
NOT CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AP FLS SS
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	09-10-14

P.C. SHEET NUMBER
A-4.04

DETAIL SCHEDULE

FINISH:	SHEET #:
☒ SIDING OVER WOOD STUDS (WUI COMPLIANT DURATEMP)	A-5.50
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
☐ SIDING OVER STEEL STUDS	A-5.60
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

~~FIRE RATED DETAIL SCHEDULE~~

FINISH:	SHEET #:
☐ 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
☐ 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63

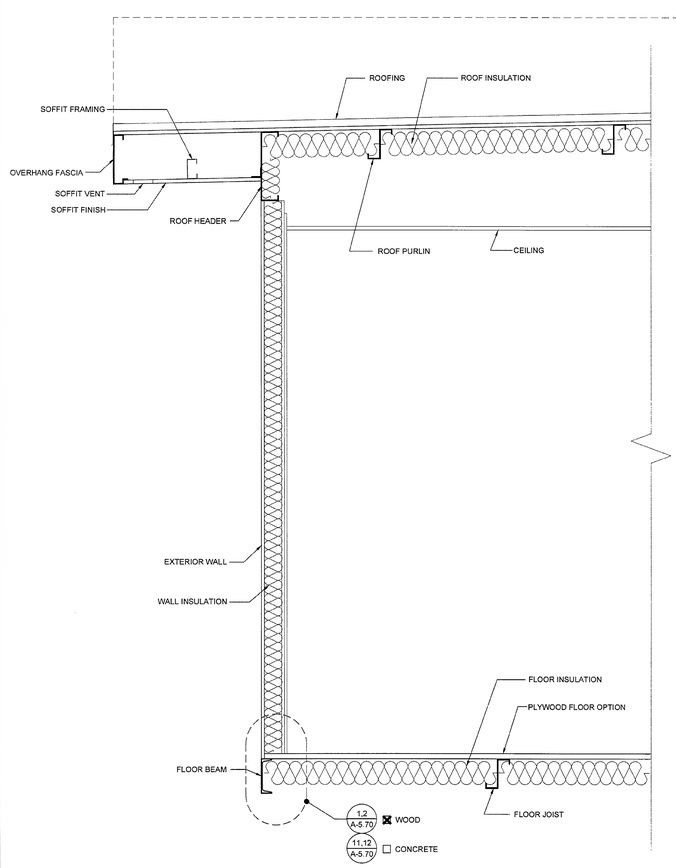
FLOOR OPTION

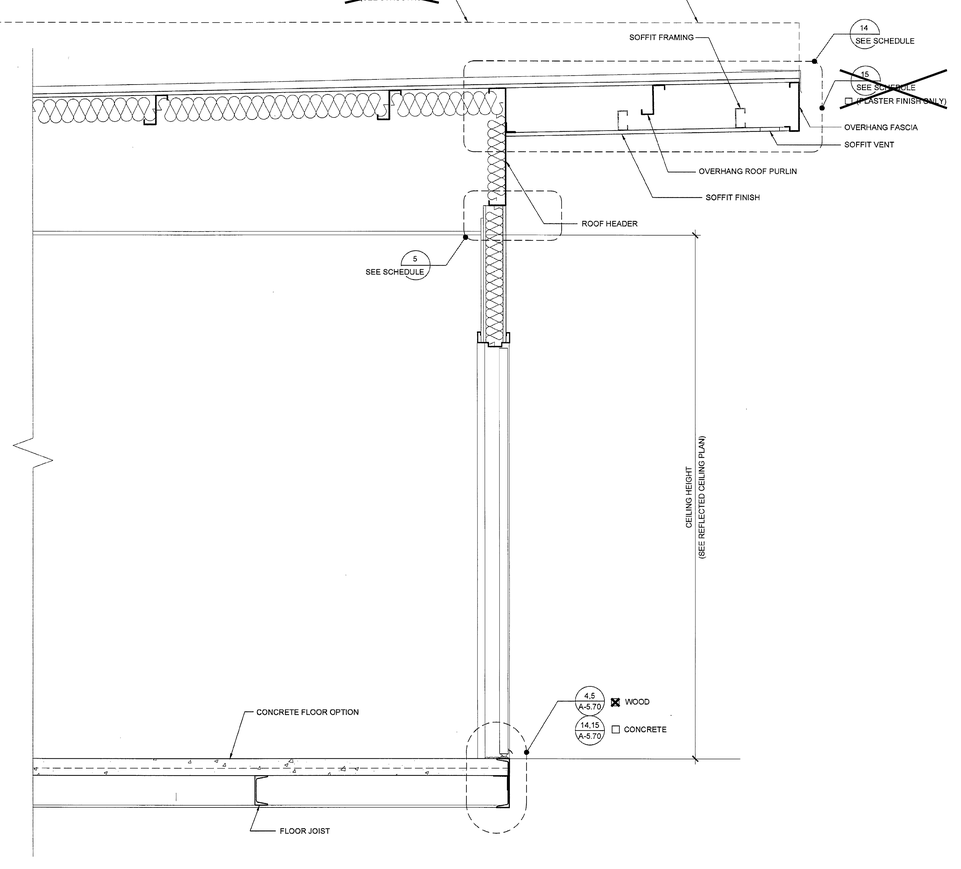
☒ WOOD FLOOR

☐ CONCRETE FLOOR

NOTES

MOISTURE PROTECTION AND CAULKING.
GENERAL: FURNISH AND INSTALL ALL CAULKING AS REQUIRED TO PROVIDE A WEATHERTIGHT BUILDING.
MATERIALS: SEALANT SHALL BE AN ACRYLIC LATEX OR SILICONE CAULKING.
APPLICATIONS: AT JOINTS WHERE SHOWN, APPLY SEALANT AS FOLLOWS - JOINTS SHALL BE CLEAN, DRY, AND FREE FROM DUST, WAX, AND FOREIGN MATERIALS. SEALANT SHALL BE APPLIED WITH A GUN IN A STRICT COMPLIANCE WITH MANUFACTURER'S DIRECTIONS. COMPLETELY FILL THE JOINT AND FIRMLY TOOL AGAINST THE BACKING, MAKING A SMOOTH CONVEX BEAD.
COLOR: COLOR OF MATERIAL SHALL MATCH THAT OF ADJACENT FINISHED SURFACES.





BUILDING SECTION

SCALE: 1" = 1'-0"

1

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
CROSS SECTION
MONO SLOPE
0.018" OR BUILT UP ROOF DECK OR PARAPET

STATE OF CALIFORNIA — JOHN SHIVELY III — 33487 — REN 01-31-2015

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
1. SEPARATE PERMIT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC FLS SS
DATE APR 1 4 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-10-14

P.C. SHEET NUMBER
A-5.01

DETAIL SCHEDULE

FINISH:	SHEET #:
☒ SIDING OVER WOOD STUDS (WUI COMPLIANT DURATEMP)	A-5.50
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
☐ SIDING OVER STEEL STUDS	A-5.60
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

~~FIRE RATED DETAIL SCHEDULE~~

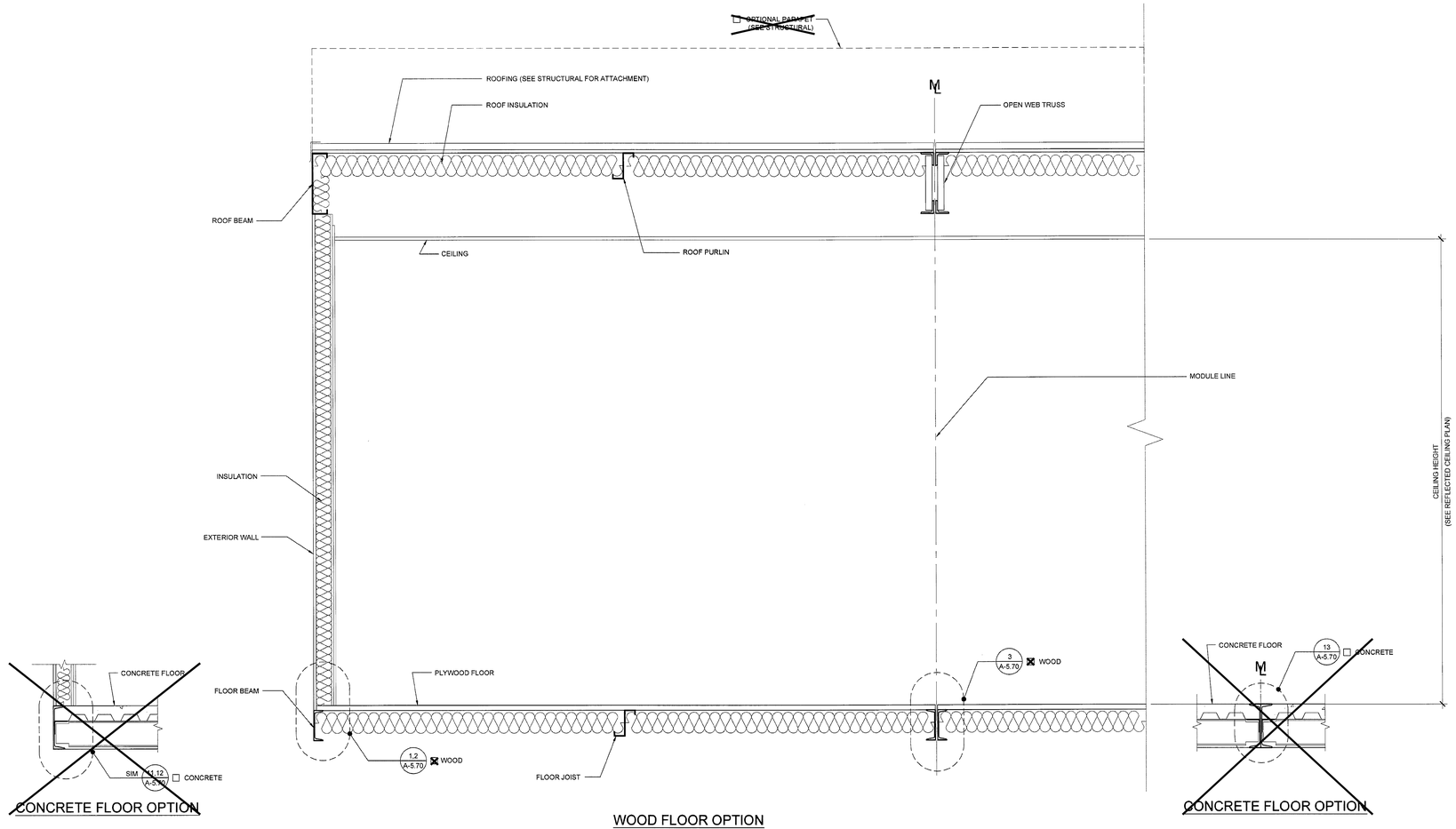
FINISH:	SHEET #:
☐ 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
☐ 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63

FLOOR OPTION

☒ WOOD FLOOR
☐ CONCRETE FLOOR

NOTES

MOISTURE PROTECTION AND CAULKING:
GENERAL: FURNISH AND INSTALL ALL CAULKING AS REQUIRED TO PROVIDE A WEATHERTIGHT BUILDING.
MATERIALS: SEALANT SHALL BE AN ACRYLIC LATEX OR SILICONE CAULKING.
APPLICATIONS: AT JOINTS WHERE SHOWN, APPLY SEALANT AS FOLLOWS - JOINTS SHALL BE CLEAN, DRY, AND FREE FROM DUST, WAX, AND FOREIGN MATERIALS. SEALANT SHALL BE APPLIED WITH A GUN IN A STRICT COMPLIANCE WITH MANUFACTURER'S DIRECTIONS. COMPLETELY FILL THE JOINT AND FIRMLY TOOL AGAINST THE BACKING, MAKING A SMOOTH CONVEX BEAD.
COLOR: COLOR OF MATERIAL SHALL MATCH THAT OF ADJACENT FINISHED SURFACES.



BUILDING SECTION

SCALE: 1" = 1'-0" | 1

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
CROSS SECTION

LICENSED ARCHITECT — JOSEPH BOTVELI III — C-33407 — REN 01-31-2015 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
A SUPPLEMENTAL PLAN CHECK FOR CONSTRUCTION IS REQUIRED

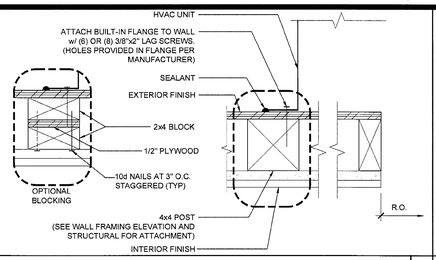
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC FLS SS
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

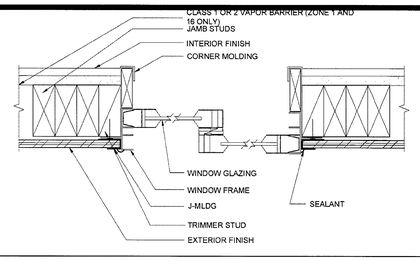
SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	09-10-14

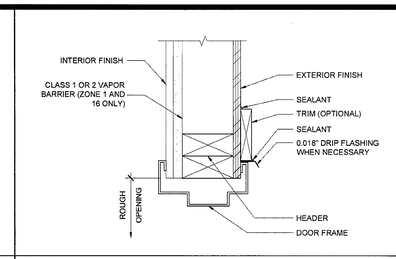
P.C. SHEET NUMBER
A-5.05



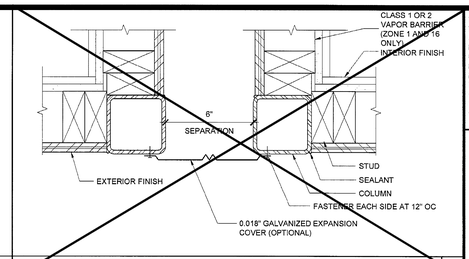
HVAC MOUNT AT JAMBS SCALE : 3"=1'-0" 16



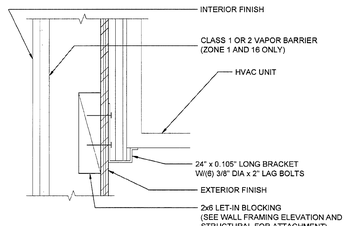
WINDOW SECTION AT JAMBS SCALE : 3"=1'-0" 11



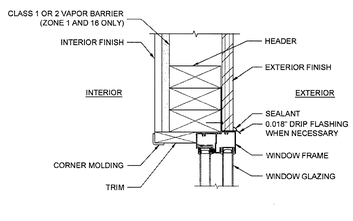
EXTERIOR DOOR HEADER SCALE : 3"=1'-0" 6



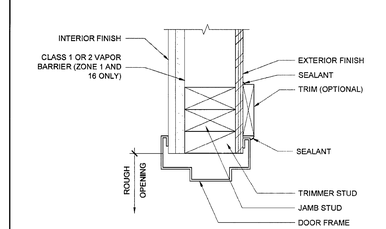
CLOSURE BETWEEN BUILDINGS SCALE : 3"=1'-0" 1



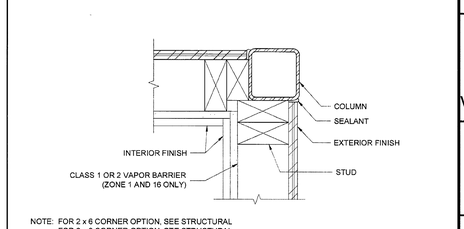
HVAC UNIT AT BOTTOM SCALE : 3"=1'-0" 17



WINDOW HEADER SCALE : 3"=1'-0" 12

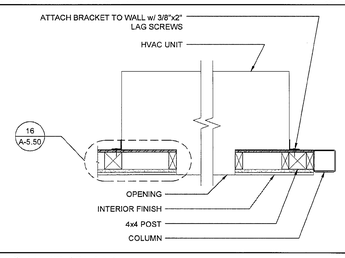


EXTERIOR DOOR JAMB SCALE : 3"=1'-0" 7

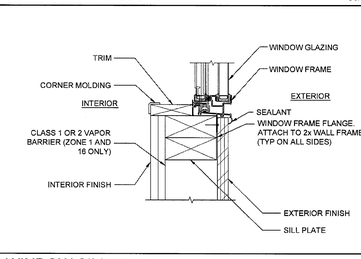


NOTE: FOR 2 x 6 CORNER OPTION, SEE STRUCTURAL
FOR 2 x 8 CORNER OPTION, SEE STRUCTURAL

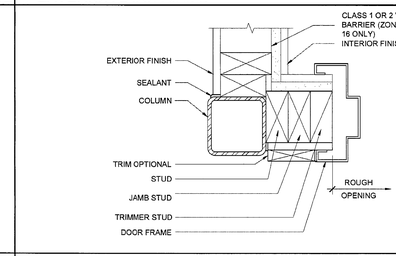
COLUMN AT CORNER SCALE : 3"=1'-0" 2



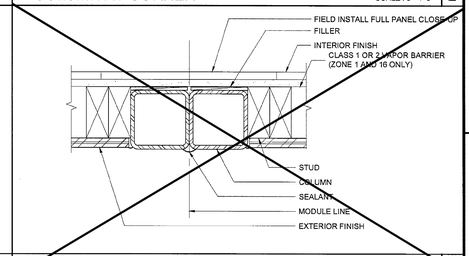
HVAC UNIT (PLAN) SCALE : 1"=1'-0" 18



WINDOW SILL SCALE : 3"=1'-0" 13

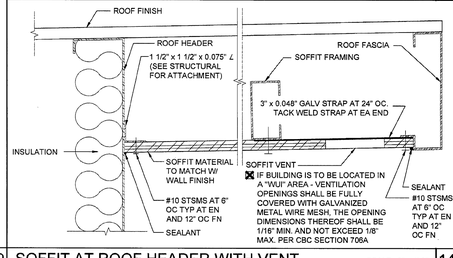


EXTERIOR DOOR JAMB SCALE : 3"=1'-0" 8

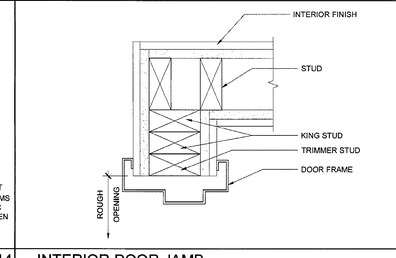


COLUMN AT MODULE LINE (FULL PANEL CLOSE-UP) SCALE : 3"=1'-0" 3

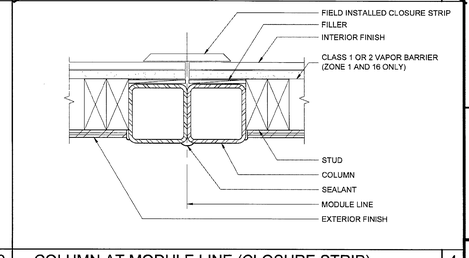
NOT USED 19



SOFFIT AT ROOF HEADER WITH VENT SCALE : 3" = 1'-0" 14



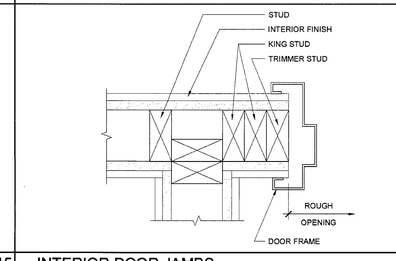
INTERIOR DOOR JAMB SCALE : 3"=1'-0" 9



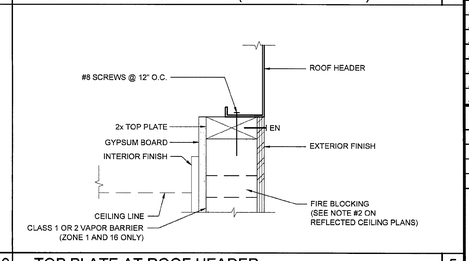
COLUMN AT MODULE LINE (CLOSURE STRIP) SCALE : 3"=1'-0" 4

NOT USED 20

NOT USED 15



INTERIOR DOOR JAMBS SCALE : 3"=1'-0" 10



TOP PLATE AT ROOF HEADER SCALE : 3" = 1'-0" 5

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
ARCHITECTURAL DETAILS
WOOD STUD - SHTG

REN 01-31-2015

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT AS DEFINED IN PROJECT APPLICATION DOCUMENTATION M1 REQUIRED

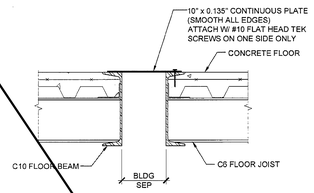
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC___ FLS___ SS___
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

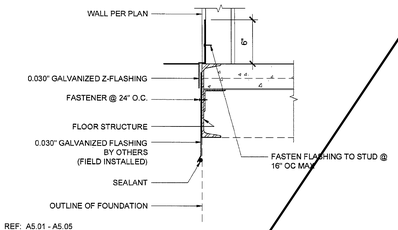
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-10-14

P.C. SHEET NUMBER
A-5.50



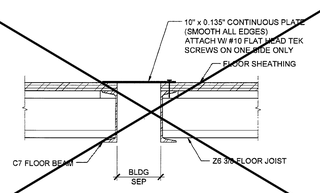
REF: A1.03

FLOOR AT SEPARATION (CONCRETE FLR) SCALE : 1 1/2"=1'-0" 16



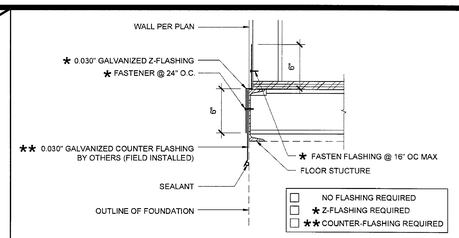
REF: A5.01 - A5.05

SKIRT FLASHING (CONCRETE FLOOR) SCALE : 1 1/2"=1'-0" 11



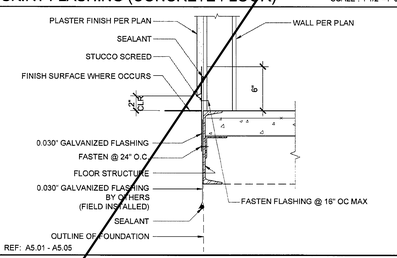
REF: A1.03

FLOOR AT SEPARATION (WOOD FLOOR) SCALE : 1 1/2"=1'-0" 6



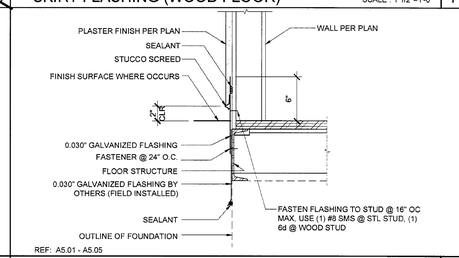
REF: A5.01 - A5.05

SKIRT FLASHING (WOOD FLOOR) SCALE : 1 1/2"=1'-0" 1



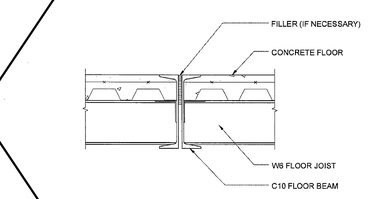
REF: A5.01 - A5.05

SKIRT FLASHING (CONCRETE FLOOR) SCALE : 1 1/2"=1'-0" 12



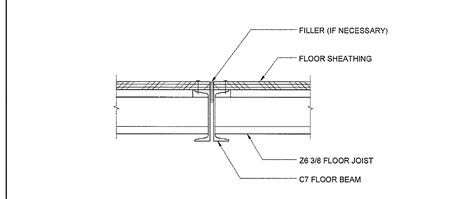
REF: A5.01 - A5.05

SKIRT FLASHING (WOOD FLOOR) SCALE : 1 1/2"=1'-0" 2



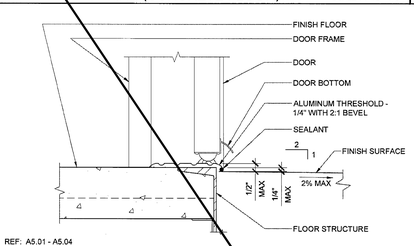
REF: A1.01 - A1.03

FLOOR AT MODLINE (CONCRETE FLOOR) SCALE : 1 1/2"=1'-0" 13



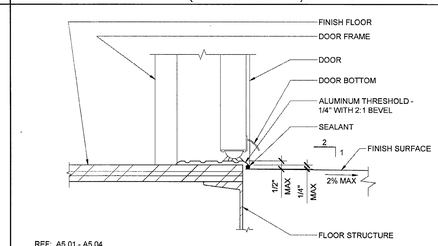
REF: A1.01 - A1.03

FLOOR AT MODLINE (WOOD FLOOR) SCALE : 1 1/2"=1'-0" 3



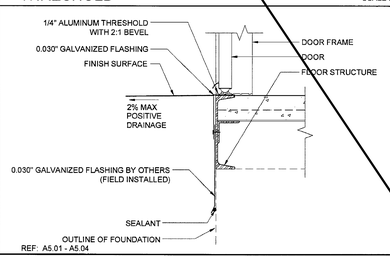
REF: A5.01 - A5.04

THRESHOLD SCALE : 3"=1'-0" 14



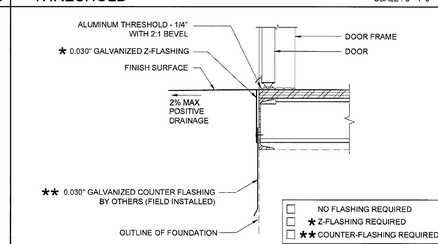
REF: A5.01 - A5.04

THRESHOLD SCALE : 3"=1'-0" 4



REF: A5.01 - A5.04

TYPICAL SILL AT FLOOR (CONCRETE FLOOR) SCALE : 1 1/2"=1'-0" 15



REF: A5.01 - A5.04

TYPICAL SILL AT FLOOR (WOOD FLOOR) SCALE : 1 1/2"=1'-0" 5

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
ARCHITECTURAL DETAILS
FLOOR

ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
NOT FOR CONSTRUCTION
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

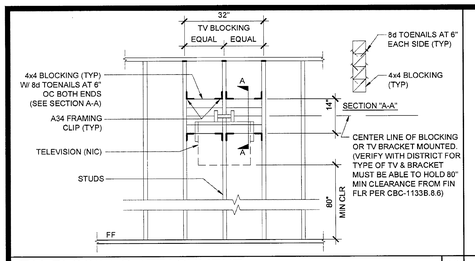
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
APPROVED FLS SS
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

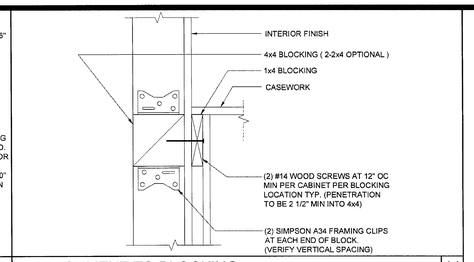
SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-10-14

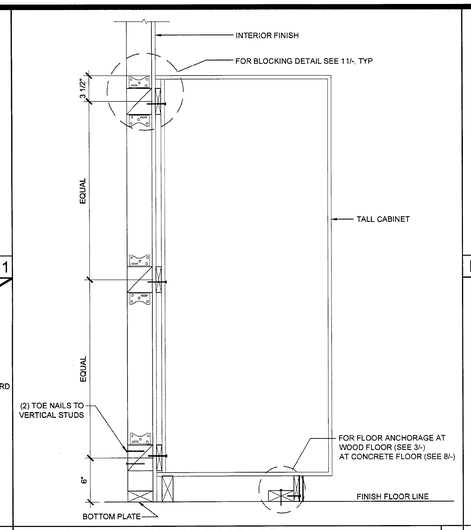
P.C. SHEET NUMBER
A-5.70



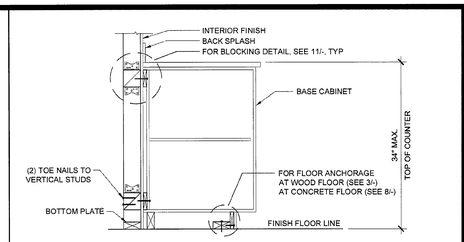
T.V. BLOCKING ATTACHMENT AT WOOD STUD SCALE : 1/2" = 1'-0" 16



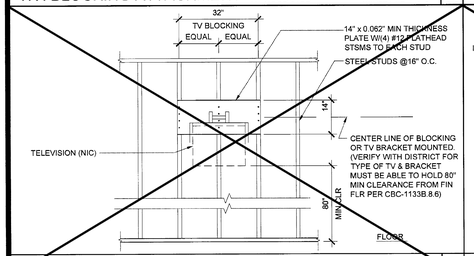
ATTACHMENT TO BLOCKING AT WOOD STUD SCALE : 3" = 1'-0" 11



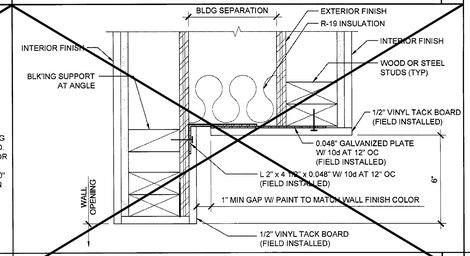
TALL CABINET WALL ANCHORAGE AT WOOD STUD SCALE : 1 1/2" = 1'-0" 7



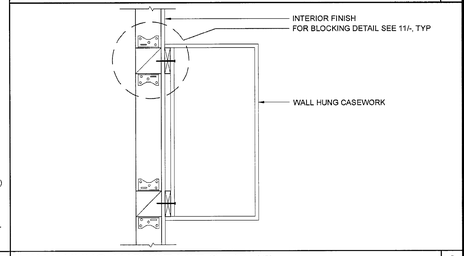
BASE CABINET WALL ANCHORAGE AT WOOD STUD SCALE : 1" = 1'-0" 1



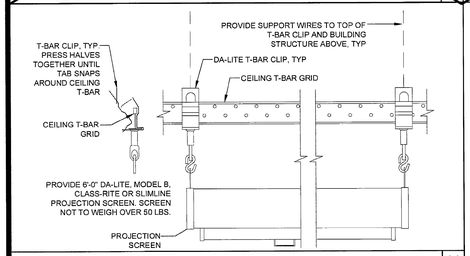
T.V. BLOCKING ATTACHMENT AT STEEL STUD SCALE : 1/2" = 1'-0" 17



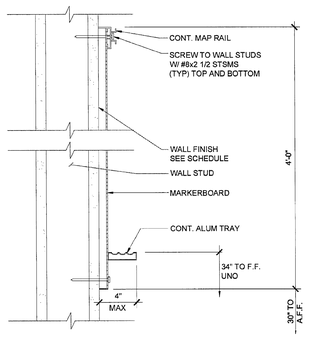
WALL OPENING AT HEADER AND JAMB SCALE : 3"=1'-0" 12



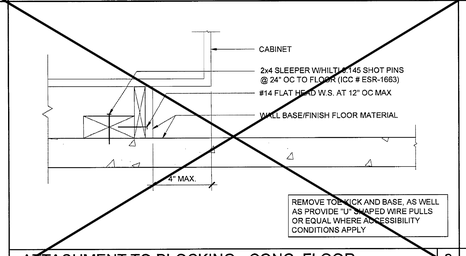
WALL HUNG ANCHORAGE CABINET AT WOOD STUD SCALE : 1 1/2" = 1'-0" 2



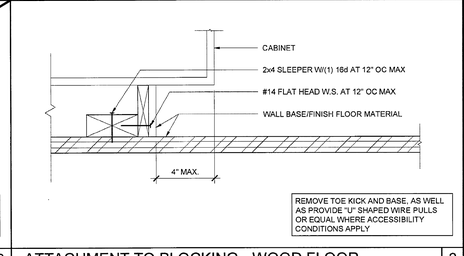
PROJECTION SCREEN MOUNTING SCALE : NTS 18



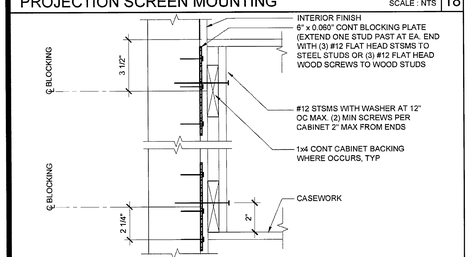
MARKER BOARD ATTACHMENT SCALE : 3" = 1'-0" 14



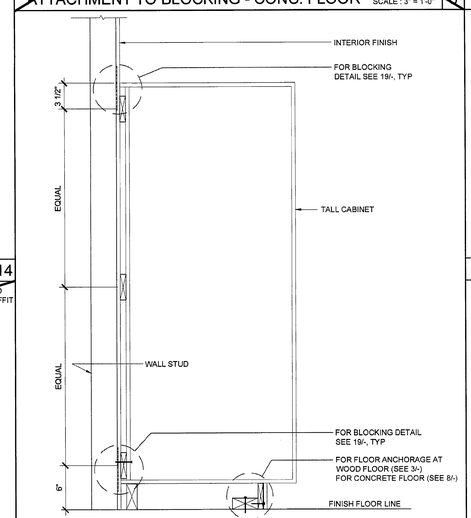
ATTACHMENT TO BLOCKING - CONC. FLOOR SCALE : 3" = 1'-0" 8



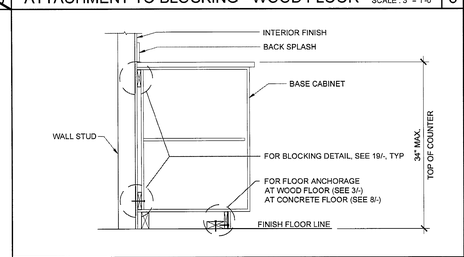
ATTACHMENT TO BLOCKING - WOOD FLOOR SCALE : 3" = 1'-0" 3



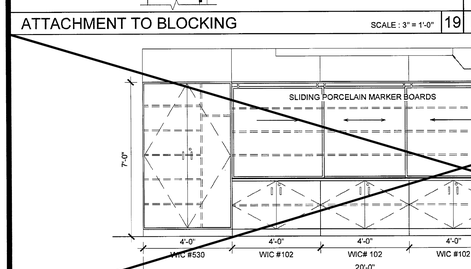
ATTACHMENT TO BLOCKING SCALE : 3" = 1'-0" 19



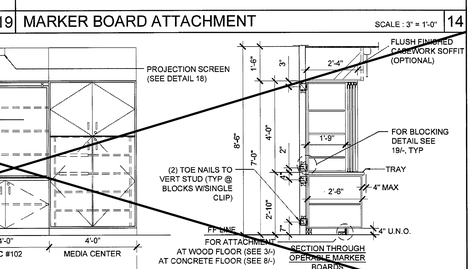
TALL CABINET WALL ANCHORAGE SCALE : 1 1/2" = 1'-0" 10



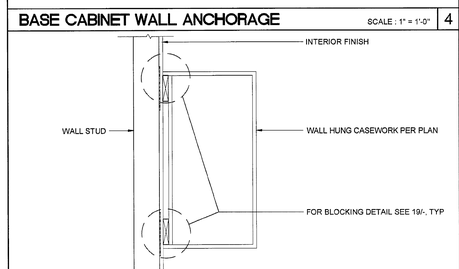
BASE CABINET WALL ANCHORAGE SCALE : 1" = 1'-0" 4



TEACHING WALL - ELEVATION / SECTION - OPTION SCALE : 3/8" = 1'-0" 15



TALL CABINET WALL ANCHORAGE SCALE : 1 1/2" = 1'-0" 10



WALL HUNG ANCHORAGE CABINET SCALE : 1 1/2" = 1'-0" 5

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE.
ARCHITECTURAL DETAILS
MISCELLANEOUS/OPTIONS

LICENSED ARCHITECT — DANIEL J. SILVERCREEK — No. 33467 — REN 01-31-2015 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
A STEP PRIOR TO PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

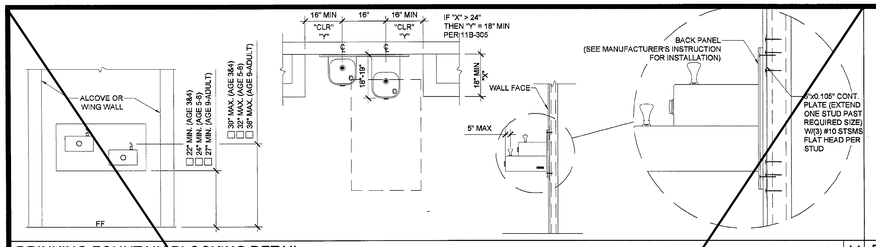
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
ACCEPTED FLS
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

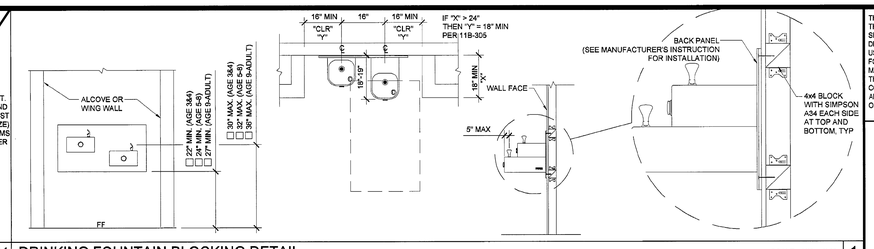
SILVER CREEK INDUSTRIES
24'x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	09-10-14

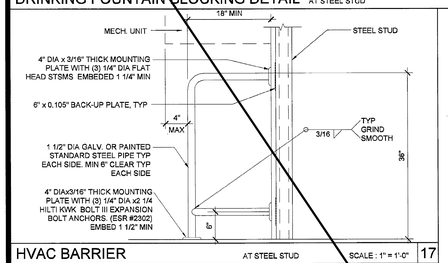
P.C. SHEET NUMBER
A-5.80



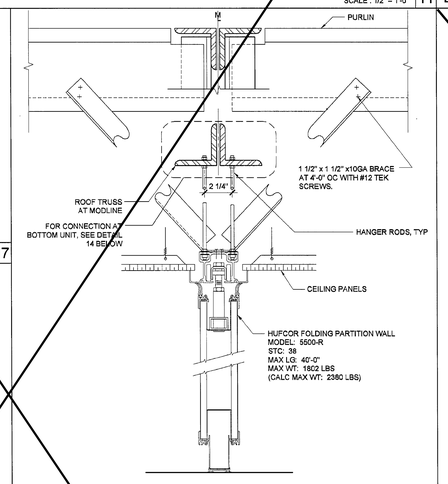
DRINKING FOUNTAIN BLOCKING DETAIL AT STEEL STUD SCALE : 1/2" = 1'-0" | 11



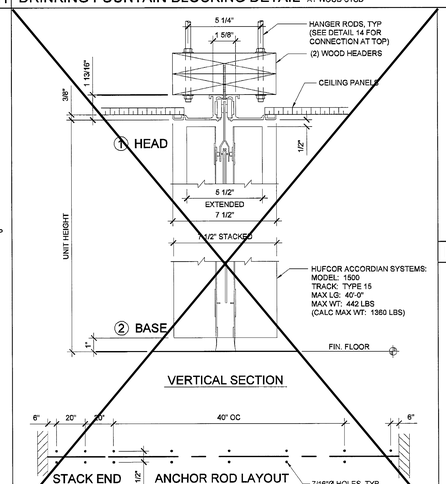
DRINKING FOUNTAIN BLOCKING DETAIL AT WOOD STUD SCALE : 1/2" = 1'-0" | 1



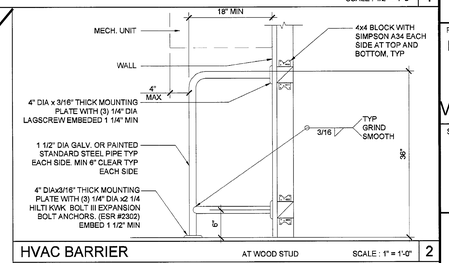
HVAC BARRIER AT STEEL STUD SCALE : 1" = 1'-0" | 17



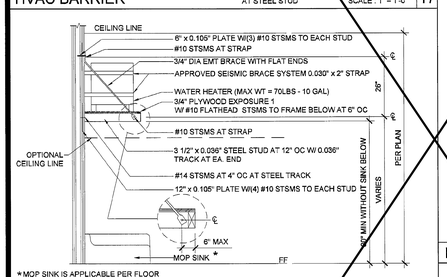
FOLDING WALL PARTITION ATTACH @ TOP UNIT SCALE : 3" = 1'-0" | 13



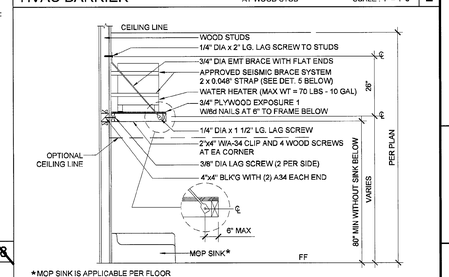
ACCORDIAN PARTITION ATTACHMENT SCALE : 3" = 1'-0" | 8



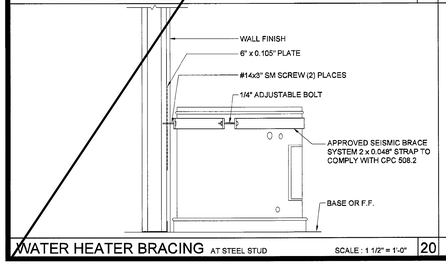
HVAC BARRIER AT WOOD STUD SCALE : 1" = 1'-0" | 2



WATER HEATER SHELF AT STEEL STUD SCALE : 1/2" = 1'-0" | 19

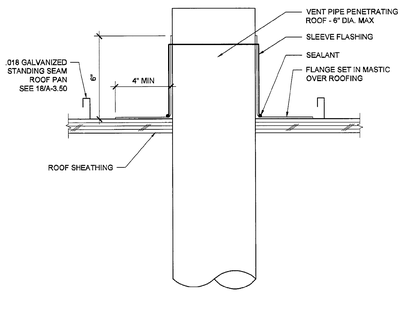


WATER HEATER SHELF AT WOOD STUD SCALE : 1/2" = 1'-0" | 4

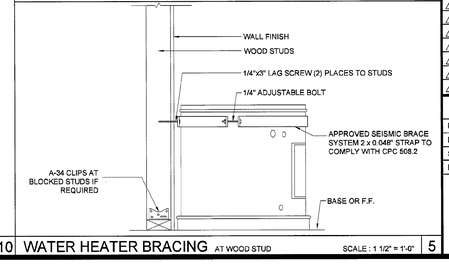


WATER HEATER BRACING AT STEEL STUD SCALE : 1 1/2" = 1'-0" | 20

NOT USED | 15



PIPE PENETRATION THROUGH ROOF SCALE : 3"=1'-0" | 10



WATER HEATER BRACING AT WOOD STUD SCALE : 1 1/2" = 1'-0" | 5

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
ARCHITECTURAL DETAILS
MISCELLANEOUS/OPTIONS

C-33467
REN:01-31-2015
STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
A REPRESENTATIVE OF THE EDUCATION FOR CONSTRUCTION IS REQUIRED

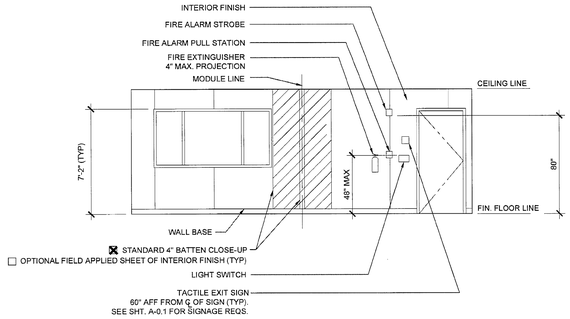
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
APP'D FLS 58
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

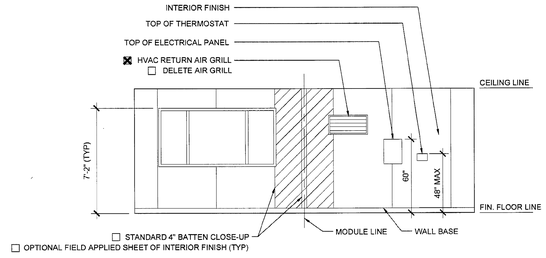
SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-10-14

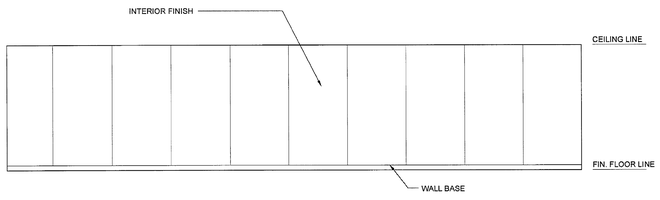
P.C. SHEET NUMBER
A-5.81



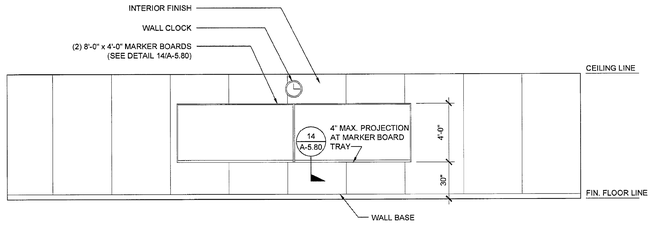
FRONT ELEVATION — SCALE: 1/4" = 1'-0" | 3



REAR ELEVATION — SCALE: 1/4" = 1'-0" | 1



SIDE ELEVATION — SCALE: 1/4" = 1'-0" | 4



SIDE ELEVATION — SCALE: 1/4" = 1'-0" | 2

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
INTERIOR ELEVATION
24' x 40'

LICENSED ARCHITECT — STEPHEN A. SAVI FELT III — C-33467 — REN 01-31-2015 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
BOOK: 2013 CBC
A SEPARATE BUILDING APPLICATION FOR CONSTRUCTION IS REQUIRED

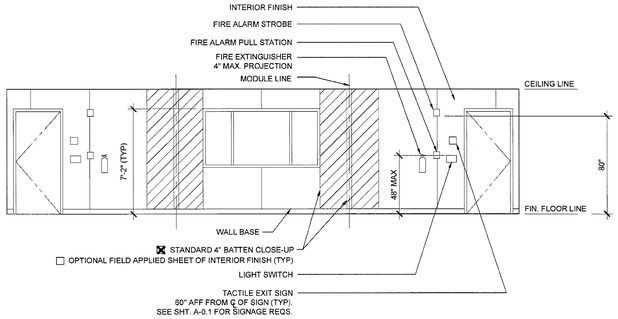
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC FLS SS
DATE APR 1 4 2015

REVISIONS
1
2
3
4
5
6
7
8

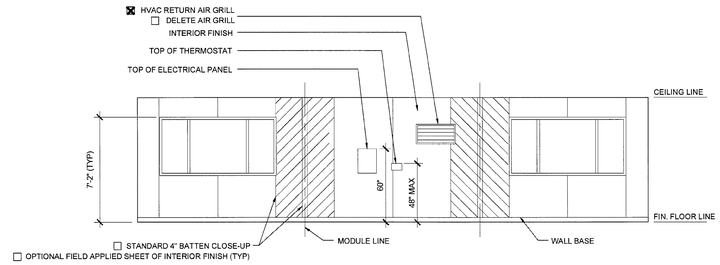
SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	09-10-14

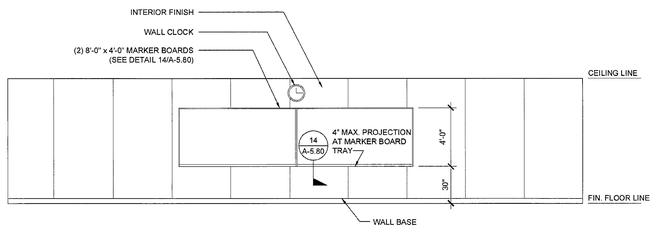
P.C. SHEET NUMBER
A-6.01



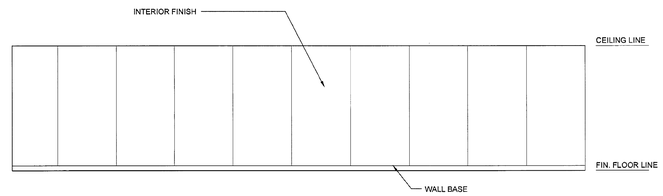
FRONT ELEVATION — SCALE: 1/4" = 1' - 0" | 3



REAR ELEVATION — SCALE: 1/4" = 1' - 0" | 1



SIDE ELEVATION — SCALE: 1/4" = 1' - 0" | 4



SIDE ELEVATION — SCALE: 1/4" = 1' - 0" | 2

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
INTERIOR ELEVATION
36' x 40'

ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
NOT TO BE USED FOR CONSTRUCTION
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED

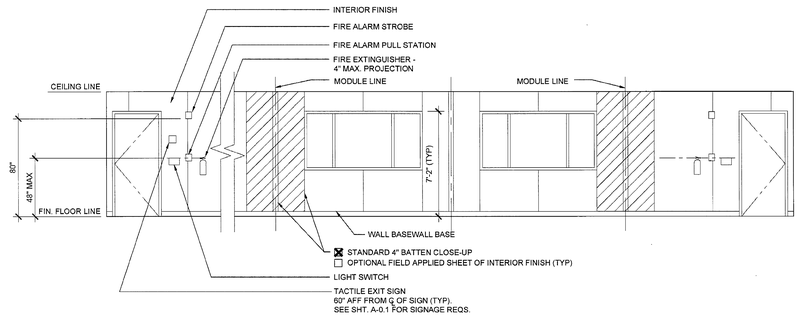
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC FLS SS
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

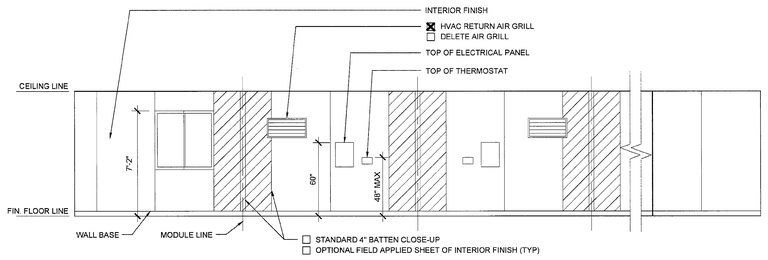
SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	09-10-14

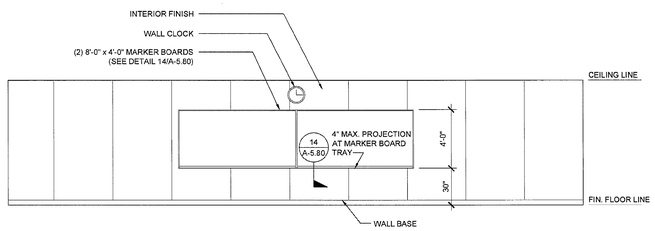
P.C. SHEET NUMBER
A-6.02



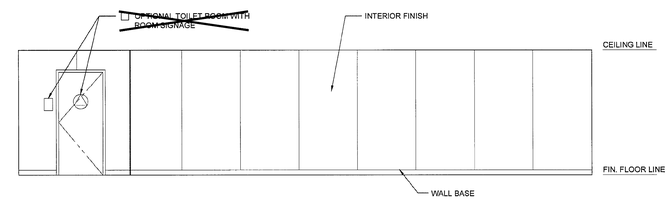
FRONT ELEVATION — SCALE: 1/4" = 1'-0" — 3



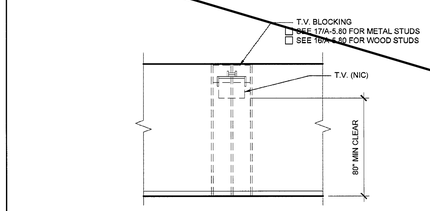
REAR ELEVATION — SCALE: 1/4" = 1'-0" — 1



SIDE ELEVATION — SCALE: 1/4" = 1'-0" — 4

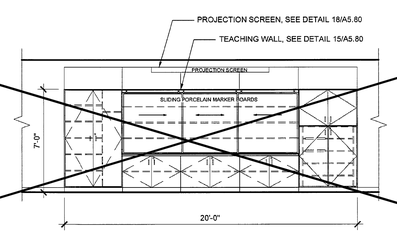


SIDE ELEVATION — SCALE: 1/4" = 1'-0" — 2



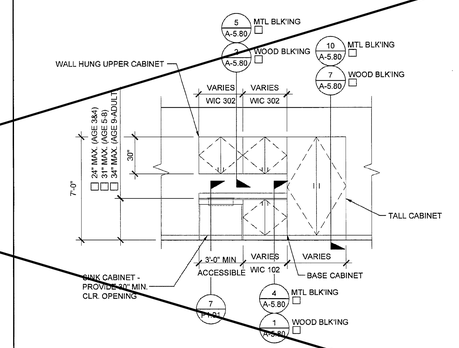
REF: A1.03

TELEVISION BLOCKING OPTION — SCALE: 1/4" = 1'-0" — C



REF: A1.03

TEACHING WALL OPTION — SCALE: 1/4" = 1'-0" — B



REF: A1.03

CASEWORK OPTION — SCALE: 1/4" = 1'-0" — A

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
INTERIOR ELEVATION
48' TO 120' x 40'

LICENSED ARCHITECT — RENEWAL 01-31-2015 — C-33467 — STATE OF CALIFORNIA
REN 01-31-2015

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
A DETAILED PLAN REVIEW AND CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC FLS SS
DATE APR 14 2015

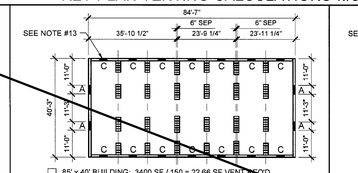
REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

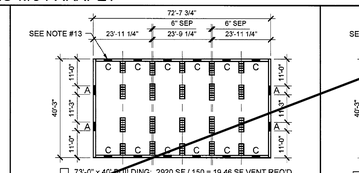
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	09-10-14

P.C. SHEET NUMBER
A-6.03

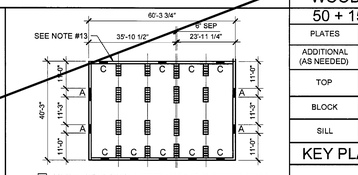
KEY PLAN VENTING CALCULATIONS w/o PARAPET



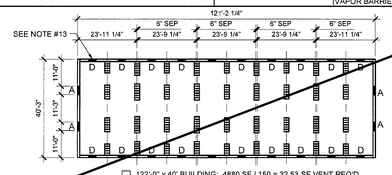
☐ 85' x 40' BUILDING: 3400 SF / 150 = 22.66 SF VENT REQ'D
(4) - "A" VENT = 7.00 SF
(14) - "C" VENT = 15.75 SF
22.75 SF TOTAL VENTILATION (> 22.66 SF)
(VAPOR BARRIER REQUIRED)



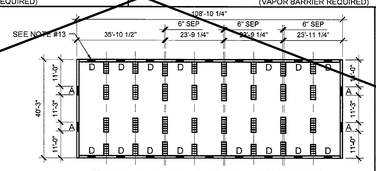
☐ 73'-0" x 40' BUILDING: 2920 SF / 150 = 19.46 SF VENT REQ'D
(4) - "A" VENT = 7.00 SF
(12) - "C" VENT = 13.50 SF
20.50 SF TOTAL VENTILATION (> 19.46 SF)
(VAPOR BARRIER REQUIRED)



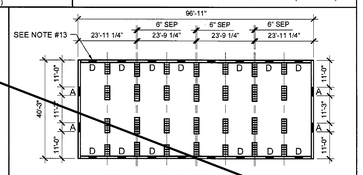
☐ 60'-6" x 40' BUILDING: 2420 SF / 150 = 16.13 SF VENT REQ'D
(4) - "A" VENT = 7.00 SF
(8) - "C" VENT = 10.12 SF
17.12 SF TOTAL VENTILATION (> 16.13 SF)



☐ 122'-0" x 40' BUILDING: 4880 SF / 150 = 32.53 SF VENT REQ'D
(4) - "A" VENT = 7.00 SF
(18) - "D" VENT = 27.00 SF
34.00 SF TOTAL VENTILATION (> 32.53 SF)
(VAPOR BARRIER REQUIRED)



☐ 109'-6" x 40' BUILDING: 4380 SF / 150 = 29.2 SF VENT REQ'D
(4) - "A" VENT = 7.00 SF
(15) - "D" VENT = 22.5 SF
29.50 SF TOTAL VENTILATION (> 29.2 SF)
(VAPOR BARRIER REQUIRED)



☐ 97'-6" x 40' BUILDING: 3900 SF / 150 = 26 SF VENT REQ'D
(4) - "A" VENT = 7.00 SF
(13) - "D" VENT = 19.50 SF
26.5 SF TOTAL VENTILATION (> 26 SF)
(VAPOR BARRIER REQUIRED)

WOOD FOUNDATION PLATE SCHEDULE

50 + 15 PSF

PLATES	END WALL	SIDE WALL	MODLINE PAD AT END WALL	MODLINE PAD AT INTERIOR	SEPARATION PAD AT ENDWALL ☐ SEPARATE BLDGS	SEPARATION PAD AT ENDWALL ☐ ONE BLDG	SEPARATION PAD AT INTERIOR ☐ SEPARATE BLDGS	SEPARATION PAD AT INTERIOR ☐ ONE BLDG
ADDITIONAL (AS NEEDED)	2x4	2x4	2x6	2x6	(2) ROWS OF 2x4	2x12	(2) ROWS OF 2x4	2x12
TOP	2x6	2x6	2x8	2x8	(2) ROWS OF 2x6	2x12	(2) ROWS OF 2x6	2x12
BLOCK	2x8	2x8	2x10	2x10	(2) ROWS OF 2x8	2x12	(2) ROWS OF 2x8	2x12
SILL	2x12 (2x14)[5]	2x12 (2x14)[5]	(6) 2x12 x 2'-0"	(6) 2x12 x 2'-0"	(2) ROWS OF 2x14	(9) 2x12 x 2'-0"	(2) ROWS OF 2x14	(8) 2x12 x 2'-0"

KEY PLAN VENTING SCHEDULE

VENT "A" (SIDEWALL): 3'-6" x 6" = 1.75 S.F. VENTILATION
"VENT OPENING BELOW CONT UPPER PLATE"

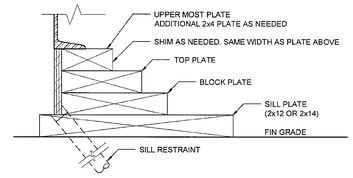
VENT "B" (ENDWALL): 3'-0" x 3" = 0.68 S.F. VENTILATION
(OPTIONAL AT MULTIPLE BLDG SETS) "VENT OPENING ABOVE CONT. SILL AND BLOCK PLATE"

VENT "C" (ENDWALL): 3'-0" x 4 1/2 " = 1.125 S.F. VENTILATION
(OPTIONAL AT MULTIPLE BLDG SETS) "VENT OPENING ABOVE CONT. SILL AND BLOCK PLATES"

VENT "D" (ENDWALL): 3'-0" x 6" = 1.5 S.F. VENTILATION
(OPTIONAL AT MULTIPLE BLDG SETS) "VENT OPENING ABOVE CONT. SILL AND BLOCK PLATES"

NOTE:
@ BUILDINGS WITH PARAPETS UP TO 48" HIGH, SIDE WALL VENTS CHANGE FROM 3'-6" TO 3'-0", SEE VENTING SCHEDULE

FOUNDATION PLATE DESCRIPTION



NOTES

1. BUILDINGS CVER 2160 SF, MUST BE INSTALLED ON A PERMANENT CONCRETE FOUNDATION PER IR 16-1 ITEM 1.4.
2. FOUNDATION PLAN HAS A 1/4" ADDED AT EACH MODULE LINE AND DOES NOT MATCH THE FLOOR PLAN. ADDITIONAL LENGTH ADDED FOR GROWTH THAT IS EXPERIENCED WHEN SETTING MULTIPLE MODULAR FLOORS.
3. FOUNDATION VENTS THAT OCCUR UNDER RAMP LANDINGS, PROVIDE AN EQUAL AREA OF SCREENED VENT IN LANDING SKIRT.
4. WOOD SILL (FOOTING) PLATES SHALL BE PRESSURE TREATED HEM-FIR AND MAY BEAR DIRECTLY ON SOIL OR PAVED SURFACE. GRASS OR TURF SHALL BE CLEARED TO BARE SOIL UNDER THE ENTIRE AREA OF THE BUILDING BY OTHERS. THE WOOD SILL FOOTING PLATE MAY SUPPORT CONTINUOUS BLOCKING AND SHEATHING SKIRT WHICH NEED NOT BE TREATED.
5. SILL RESTRAINT:
THE FOUNDATION SHALL BE DESIGNED TO PREVENT SLIDING ON THE SUPPORTING SURFACE BY ATTACHING THE WOOD FOUNDATION PLATES FOR THE BUILDING, RAMPS AND STAIRS TO THE GROUND WITH RESTRAINING DEVICES. AN ACCEPTABLE DESIGN WOULD INCORPORATE ONE-INCH DIAMETER STANDARD WEIGHT (1.315" ACTUAL O.D.) HOT DIPPED GALVANIZED PIPES OR ONE-INCH DIAMETER SOLID STEEL RODS SPACED AT NOT MORE THAN 10'-0" O.C. ONE PIPE / ROD SHALL BE LOCATED A MAXIMUM OF TWO FEET FROM EACH CORNER IN BOTH DIRECTIONS AND A MINIMUM OF TWO PIPES / RODS PER DISCONTINUOUS FOUNDATIONS STRIP. PIPES SHOULD PENETRATE INTO SOIL, CONCRETE, AND/OR PAVING A MINIMUM OF 12" MEASURED VERTICALLY. ALTERNATE OR EQUIVALENT DESIGNS, WHEN PROVIDED WITH STRUCTURAL CALCULATIONS AND DETAILS, WILL BE SUBMITTED TO DSA FOR REVIEW AND APPROVAL.
6. STACKED WOOD MEMBERS FOR FOUNDATIONS AND PRESSURE TREATED LUMBER SHALL BE NAILED WITH HOT DIPPED GALVANIZED PER ASTM A-153
7. VENTILATION OPENINGS SHALL BE COVERED FOR EITHER HEIGHT AND WIDTH WITH CORROSION - RESISTANT WIRE MESH, WITH A CLEAR "THROUGH" DIMENSION NOT EXCEEDING 1/8" ACTING AS A VERMIN BARRIER.
8. VENTING CALCULATION REQUIREMENTS FOR MULTIPLE BUILDING SETS MUST BE CALCULATED WITH OVERALL SQUARE FOOTAGE INCLUDING SEPARATION.
9. FOR FOUNDATION ANCHORAGE ON CONCRETE PAD, SEE DETAIL 15/F0.50A.
10. IF OPTIONAL ENDWALL VENTS ARE APPLIED, SILL PLATE AND BLOCK PLATE MUST BE CONTINUOUS. VENT OPENINGS SHALL BE BROKEN ABOVE THE BLOCK PLATE
11. FOR FOUNDATION SPLICE - SEE 5/F-0.50A
12. CRAWLSPACE VAPOR RETARDERS (OPTIONAL):
THE OPTIONAL TOTAL AREA OF VENTILATION OPENINGS IS PERMITTED TO BE REDUCED TO 1/1500 FACTOR WITH AN APPROVED VAPOR RETARDER MATERIAL PER CBC SECTION 1203.3.2(2).
MATERIALS:
GROUND SURFACE COVERED WITH AN APPROVED VAPOR RETARDER MATERIAL; MUST HAVE A PERM RATING OF ONE OR LESS; SHOULD BE CONTINUOUS; POLYETHELYNE FILM (≥ 6 MIL); POOL LINER (PUNCTURE RESISTANT); AND POLYETHELYNE FILM WITH RAT SLAB.
INSTALLATION RECOMMENDATIONS:
OVERLAP JOINTS BY 6 INCHES; TAPE OR SEAL ALL JOINTS; ATTACH VAPOR RETARDER OVER SILL PLATE PER 10/F0.50A; SEAL TO ALL PIERS AND OTHER PENETRATIONS.
13. ENDWALL VENTS (IF REQ'D) SHALL BE LOCATED A MIN OF 24" FROM BUILDING CORNERS. MAXIMUM ONE ENDWALL VENT PER 12'-0" MODULE
14. CONCRETE FLOOR LOAD IS INCLUDED IN THE CONCRETE FOUNDATION OPTION FOR FOUNDATION & ANCHORAGE DESIGN. I.E. THERE IS NO CONCRETE FLOOR FOR WOOD FOUNDATION OPTION. THERE IS CONCRETE FLOOR FOR CONCRETE FOUNDATION OPTION
15. IF PARAPET IS HIGHER THAN 18". COMBINATION REQUIRES A 2 X 14" OR 2 X 16" SILL PLATE @ EXTERIOR OF BUILDING
16. 150 PSF FLOOR LIVE LOAD OPTION CANNOT BE USED WITH THE STUCCO WALL OPTION
17. VENTS AT MODLINE FOUNDATIONS. THE MINIMUM CRITERIA REQUIREMENT AS FOLLOWS:
A. VENTS HAVE A MINIMUM OF 2 SILL BLOCKING PLATES BENEATH.
B. VENTS ARE A MAXIMUM OF 6" LONG x 3" MIN. HIGH.
C. VENTS ARE SPACED A MINIMUM OF 8" APART (EDGE TO EDGE) AND 24" MIN. FROM CORNERS.

NAILING SCHEDULE

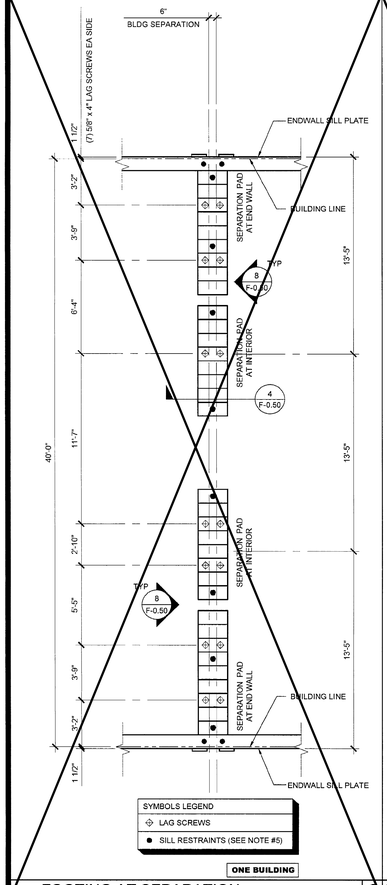
BUILDING SIZE	(2) 16d BOX NAILS PLATE TO PLATE ATTACHMENT BELOW UPPER MOST PLATE
24' x 40'	5" OC AT ENDWALL - 1 / F-0.50 12" OC AT SIDEWALL - 2 / F-0.50 12" OC AT SEPARATION - 4 / F-0.50

VENTING SCHEDULE

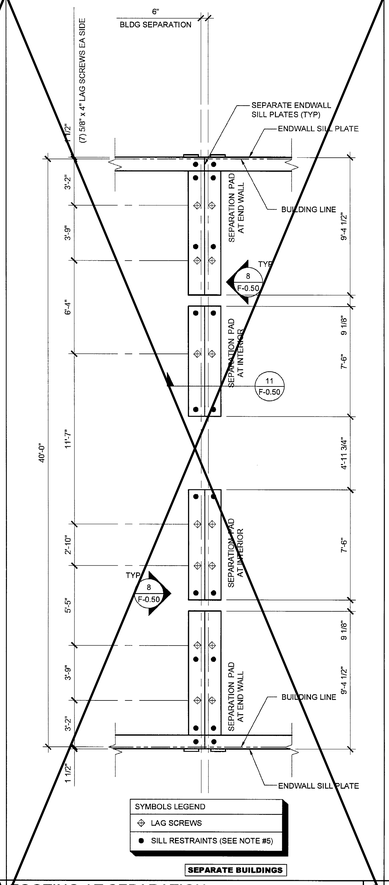
	BUILDING SIZE	BUILDING AREA	REQ. VENTING	SIDE VENTING	END VENTING	TOTAL VENTING SUPPLIED
W/O PARAPET	24' x 40'	960 SF	6.4 SF (1/150)	3'-6" x 6" = (4) 1.75 SF/EA	-	7.0 SF
W/ PARAPET	24' x 40'	960 SF	6.4 SF (1/150)	3'-0" x 6" = (4) 1.5 SF/EA /8 SF TOTAL	3'-0" x 3" = (2) 1.5 SF/EA (.75 SF TOTAL)	7.5 SF SEE NOTE #8

TIE PLATE SCHEDULE

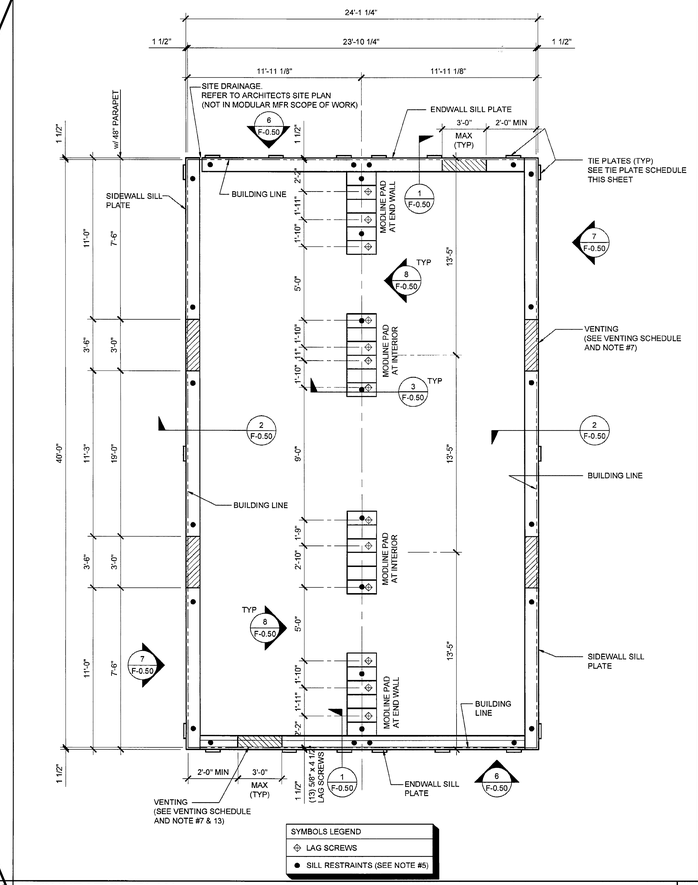
BUILDING SIZE	SIDE WALL TIE PLATES	END WALL TIE PLATES	TOTAL NUMBER OF TIE PLATES
24' x 40'	3	6	18



FOOTING AT SEPARATION SCALE: 1/4" = 1'-0" 3



FOOTING AT SEPARATION SCALE: 1/4" = 1'-0" 2



FOUNDATION PLAN SCALE: 1/4" = 1'-0" 1

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
WOOD FOUNDATION PLAN
24x40
(50+15 PSF)

TAVARES ASSOCIATES
STRUCTURAL ENGINEERING & PROJECT MANAGEMENT
San Marcos, CA 92069 858.663.2600
www.tavaresassoc.com
REN 01-31-2015
No. S3380 STRUCTURAL
RS# 14001

04/01/2015
ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

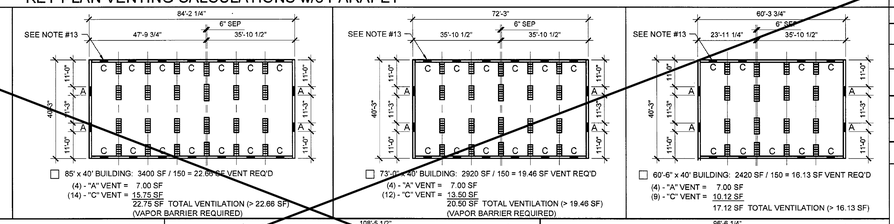
ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC FLS 6S
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-10-14

P.C. SHEET NUMBER
F-0.02
- - HIGH SEISMIC - -

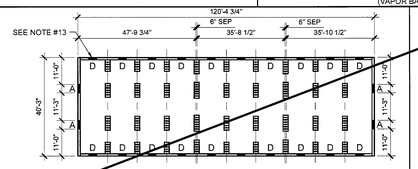
KEY PLAN VENTING CALCULATIONS w/o PARAPET



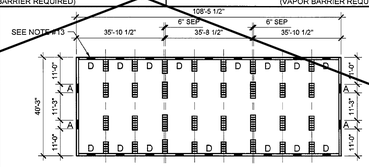
☐ 85' x 40' BUILDING: 3400 SF / 150 = 22.66 SF VENT REQ'D
(4) - "A" VENT = 7.00 SF
(14) - "C" VENT = 15.75 SF
22.75 SF TOTAL VENTILATION (> 22.66 SF)
(VAPOR BARRIER REQUIRED)

☐ 73'-0" x 40' BUILDING: 2920 SF / 150 = 19.46 SF VENT REQ'D
(4) - "A" VENT = 7.00 SF
(12) - "C" VENT = 13.50 SF
20.50 SF TOTAL VENTILATION (> 19.46 SF)
(VAPOR BARRIER REQUIRED)

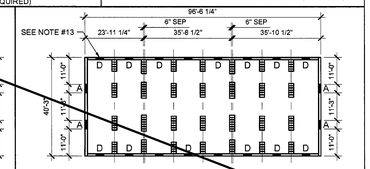
☐ 60'-6" x 40' BUILDING: 2420 SF / 150 = 16.13 SF VENT REQ'D
(4) - "A" VENT = 7.00 SF
(9) - "C" VENT = 10.12 SF
17.12 SF TOTAL VENTILATION (> 16.13 SF)



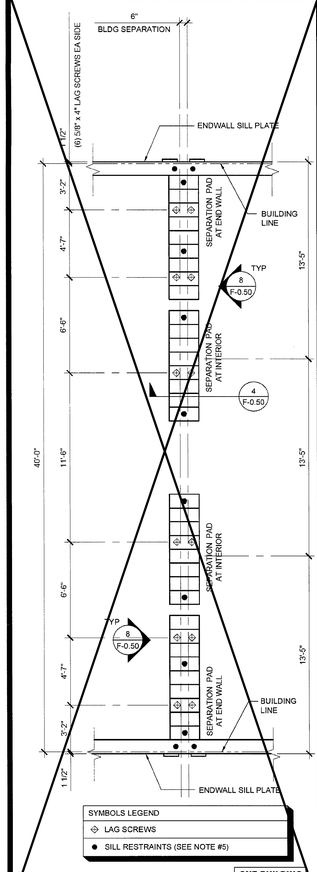
☐ 122'-0" x 40' BUILDING: 4880 SF / 150 = 32.53 SF VENT REQ'D
(4) - "A" VENT = 7.00 SF
(18) - "D" VENT = 27.00 SF
34.00 SF TOTAL VENTILATION (> 32.53 SF)
(VAPOR BARRIER REQUIRED)



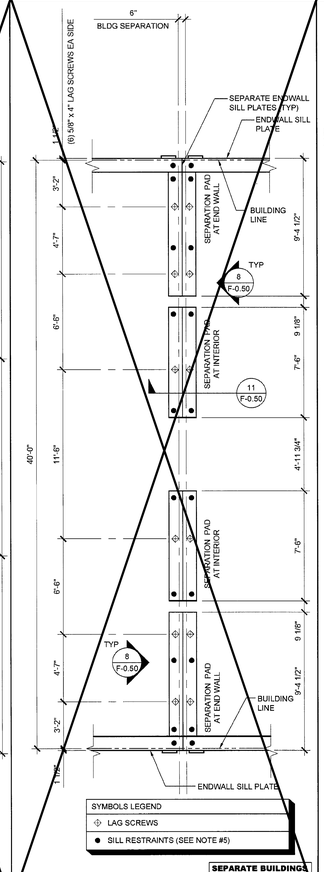
☐ 109'-6" x 40' BUILDING: 4380 SF / 150 = 29.2 SF VENT REQ'D
(4) - "A" VENT = 7.00 SF
(15) - "D" VENT = 22.50 SF
29.50 SF TOTAL VENTILATION (> 29.2 SF)
(VAPOR BARRIER REQUIRED)



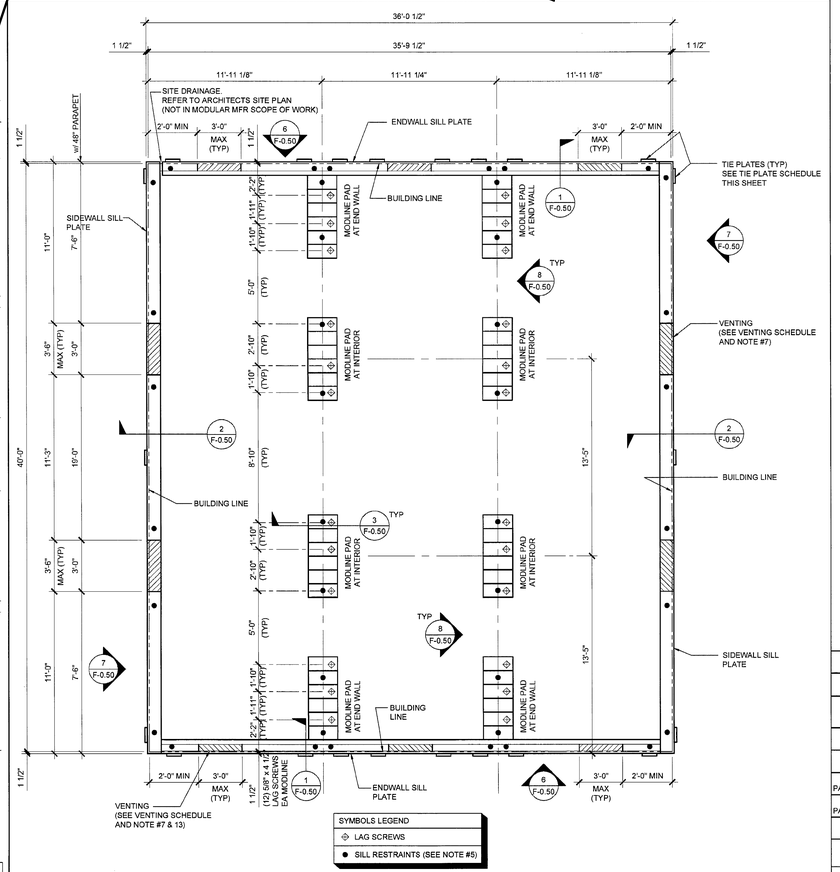
☐ 97'-6" x 40' BUILDING: 3900 SF / 150 = 26 SF VENT REQ'D
(4) - "A" VENT = 7.00 SF
(13) - "B" VENT = 19.50 SF
26.50 SF TOTAL VENTILATION (> 26 SF)
(VAPOR BARRIER REQUIRED)



FOOTING AT SEP SCALE: 1/4" = 1' - 0" 3



FOOTING AT SEP SCALE: 1/4" = 1' - 0" 2



FOUNDATION PLAN SCALE: 1/4" = 1' - 0" 1

WOOD FOUNDATION PLATE SCHEDULE

50 + 15 PSF

PLATES	END WALL	SIDE WALL	MODLINE PAD AT END WALL	MODLINE PAD AT INTERIOR	SEPARATION PAD AT ENDWALL ☐ SEPARATE BLDGS	SEPARATION PAD AT ENDWALL ☐ ONE BLDG	SEPARATION PAD AT INTERIOR ☐ SEPARATE BLDGS	SEPARATION PAD AT INTERIOR ☐ ONE BLDG
ADDITIONAL (AS NEEDED)	2x4	2x4	2x6	2x6	(2) ROWS OF 2x4	2x12	(2) ROWS OF 2x4	2x12
TOP	2x6	2x6	2x8	2x8	(2) ROWS OF 2x6	2x12	(2) ROWS OF 2x6	2x12
BLOCK	2x8	2x8	2x10	2x10	(2) ROWS OF 2x8	2x12	(2) ROWS OF 2x8	2x12
SILL	2x12 (2x14)[1]	2x12 (2x14)[1]	(6) 2x12 x 2'-0"	(6) 2x12 x 2'-0"	(2) ROWS OF 2x14	(9) 2x12 x 2'-0"	(2) ROWS OF 2x14	(8) 2x12 x 2'-0"

KEY PLAN VENTING SCHEDULE

VENT "A" (SIDEWALL): 3'-8" x 6" = 1.75 S.F. VENTILATION
"VENT OPENING AT SILL AND BLOCK PLATES"

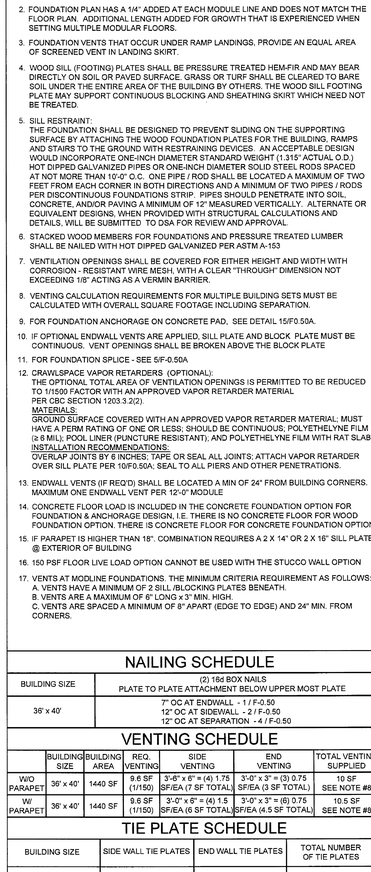
VENT "B" (ENDWALL): 3'-0" x 3" = 0.75 S.F. VENTILATION
(OPTIONAL AT MULTIPLE BLDG SETS) "VENT OPENING ABOVE CONT. SILL AND BLOCK PLATES"

VENT "C" (ENDWALL): 3'-0" x 4 1/2 " = 1.125 S.F. VENTILATION
(OPTIONAL AT MULTIPLE BLDG SETS) "VENT OPENING ABOVE CONT. SILL AND BLOCK PLATES"

VENT "D" (ENDWALL): 3'-0" x 6" = 1.5 S.F. VENTILATION
(OPTIONAL AT MULTIPLE BLDG SETS) "VENT OPENING ABOVE CONT. SILL AND BLOCK PLATES"

NOTE:
@ BUILDINGS WITH PARAPETS UP TO 48" HIGH, SIDE WALL VENTS CHANGE FROM 3'-8" TO 3'-0". SEE VENTING SCHEDULE

FOUNDATION PLATE DESCRIPTION



NOTES

1. BUILDINGS OVER 2160 SF. MUST BE INSTALLED ON A PERMANENT CONCRETE FOUNDATION PER IR 16-1 ITEM 1.4.
2. FOUNDATION PLAN HAS A 1/4" ADDED AT EACH MODULE LINE AND DOES NOT MATCH THE FLOOR PLAN. ADDITIONAL LENGTH ADDED FOR GROWTH THAT IS EXPERIENCED WHEN SETTING MULTIPLE MODULAR FLOORS.
3. FOUNDATION VENTS THAT OCCUR UNDER RAMP LANDINGS, PROVIDE AN EQUAL AREA OF SCREENED VENT IN LANDING SKIRT.
4. WOOD SILL (FOOTING) PLATES SHALL BE PRESSURE TREATED HEM-FIR AND MAY BEAR DIRECTLY ON SOIL OR PAVED SURFACE. GRASS OR TURF SHALL BE CLEARED TO BARE SOIL UNDER THE ENTIRE AREA OF THE BUILDING BY OTHERS. THE WOOD SILL FOOTING PLATE MAY SUPPORT CONTINUOUS BLOCKING AND SHEATHING SKIRT WHICH NEED NOT BE TREATED.
5. SILL RESTRAINT:
THE FOUNDATION SHALL BE DESIGNED TO PREVENT SLIDING ON THE SUPPORTING SURFACE BY ATTACHING THE WOOD FOUNDATION PLATES FOR THE BUILDING, RAMPS AND STAIRS TO THE GROUND WITH RESTRAINING DEVICES. AN ACCEPTABLE DESIGN WOULD INCORPORATE ONE-INCH DIAMETER STANDARD WEIGHT (1.315" ACTUAL O.D.) HOT DIPPED GALVANIZED PIPES OR ONE-INCH DIAMETER SOLID STEEL RODS SPACED AT NOT MORE THAN 10'-0" O.C. ONE PIPE / ROD SHALL BE LOCATED A MAXIMUM OF TWO FEET FROM EACH CORNER IN BOTH DIRECTIONS AND A MINIMUM OF TWO PIPES / RODS PER DISCONTINUOUS FOUNDATIONS STRIP. PIPES SHOULD PENETRATE INTO SOIL, CONCRETE, AND/OR PAVING A MINIMUM OF 12" MEASURED VERTICALLY. ALTERNATE OR EQUIVALENT DESIGNS, WHEN PROVIDED WITH STRUCTURAL CALCULATIONS AND DETAILS, WILL BE SUBMITTED TO DSA FOR REVIEW AND APPROVAL.
6. STACKED WOOD MEMBERS FOR FOUNDATIONS AND PRESSURE TREATED LUMBER SHALL BE NAILED WITH HOT DIPPED GALVANIZED PER ASTM A-153
7. VENTILATION OPENINGS SHALL BE COVERED FOR EITHER HEIGHT AND WIDTH WITH CORROSION - RESISTANT WIRE MESH, WITH A CLEAR "THROUGH" DIMENSION NOT EXCEEDING 1/8" ACTING AS A VERMIN BARRIER.
8. VENTING CALCULATION REQUIREMENTS FOR MULTIPLE BUILDING SETS MUST BE CALCULATED WITH OVERALL SQUARE FOOTAGE INCLUDING SEPARATION.
9. FOR FOUNDATION ANCHORAGE ON CONCRETE PAD, SEE DETAIL 15/F0.50A.
10. IF OPTIONAL ENDWALL VENTS ARE APPLIED, SILL PLATE AND BLOCK PLATE MUST BE CONTINUOUS. VENT OPENINGS SHALL BE BROKEN ABOVE THE BLOCK PLATE
11. FOR FOUNDATION SPLICE - SEE 5/F-0.50A
12. CRAWLSPACE VAPOR RETARDERS (OPTIONAL):
THE OPTIONAL TOTAL AREA OF VENTILATION OPENINGS IS PERMITTED TO BE REDUCED TO 1/1500 FACTOR WITH AN APPROVED VAPOR RETARDER MATERIAL PER CBC SECTION 1203.3.2(2).
MATERIALS:
GROUND SURFACE COVERED WITH AN APPROVED VAPOR RETARDER MATERIAL; MUST HAVE A PERM RATING OF ONE OR LESS; SHOULD BE CONTINUOUS; POLYETHELYNE FILM (≥ 6 MIL); POOL LINER (PUNCTURE RESISTANT); AND POLYETHELYNE FILM WITH RAT SLAB.
INSTALLATION RECOMMENDATIONS:
OVERLAP JOINTS BY 6 INCHES; TAPE OR SEAL ALL JOINTS; ATTACH VAPOR RETARDER OVER SILL PLATE PER 10/F0.50A; SEAL TO ALL PIERS AND OTHER PENETRATIONS.
13. ENDWALL VENTS (IF REQ'D) SHALL BE LOCATED A MIN OF 24" FROM BUILDING CORNERS. MAXIMUM ONE ENDWALL VENT PER 12'-0" MODULE
14. CONCRETE FLOOR LOAD IS INCLUDED IN THE CONCRETE FOUNDATION OPTION FOR FOUNDATION & ANCHORAGE DESIGN, I.E. THERE IS NO CONCRETE FLOOR FOR WOOD FOUNDATION OPTION. THERE IS CONCRETE FLOOR FOR CONCRETE FOUNDATION OPTION
15. IF PARAPET IS HIGHER THAN 18". COMBINATION REQUIRES A 2 X 14" OR 2 X 16" SILL PLATE @ EXTERIOR OF BUILDING
16. 150 PSF FLOOR LIVE LOAD OPTION CANNOT BE USED WITH THE STUCCO WALL OPTION
17. VENTS AT MODLINE FOUNDATIONS. THE MINIMUM CRITERIA REQUIREMENT AS FOLLOWS:
A. VENTS HAVE A MINIMUM OF 2 SILL /BLOCKING PLATES BENEATH.
B. VENTS ARE A MAXIMUM OF 6" LONG x 3" MIN. HIGH.
C. VENTS ARE SPACED A MINIMUM OF 8" APART (EDGE TO EDGE) AND 24" MIN. FROM CORNERS.

NAILING SCHEDULE

BUILDING SIZE	(2) 16d BOX NAILS PLATE TO PLATE ATTACHMENT BELOW UPPER MOST PLATE
36' x 40'	7" OC AT ENDWALL - 1 / F-0.50 12" OC AT SIDEWALL - 2 / F-0.50 12" OC AT SEPARATION - 4 / F-0.50

VENTING SCHEDULE

	BUILDING SIZE	BUILDING AREA	REQ. VENTING	SIDE VENTING	END VENTING	TOTAL VENTING SUPPLIED
W/O PARAPET	36' x 40'	1440 SF	9.6 SF (1/150)	3'-6" x 6" = (4) 1.75 SF/EA (7 SF TOTAL)	3'-0" x 3" = (3) 0.75 SF/EA (3 SF TOTAL)	10 SF SEE NOTE #8
W/ PARAPET	36' x 40'	1440 SF	9.6 SF (1/150)	3'-0" x 6" = (4) 1.5 SF/EA (6 SF TOTAL)	3'-0" x 3" = (6) 0.75 SF/EA (4.5 SF TOTAL)	10.5 SF SEE NOTE #8

TIE PLATE SCHEDULE

BUILDING SIZE	SIDE WALL TIE PLATES	END WALL TIE PLATES	TOTAL NUMBER OF TIE PLATES
36' x 40'	3	8	22

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
WOOD FOUNDATION PLAN
36x40
(50+15 PSF)

TAVARES ASSOCIATES
STRUCTURAL ENGINEERS
JAMES R. DAVIS, S.E. No. S3380
REN 01-31-2015
REGISTERED PROFESSIONAL ENGINEER
STRUCTURAL
STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE
04/01/2015

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
NOT FOR CONSTRUCTION
A SEPARATE PROJECT APPLICATION / DSA CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC ELS 68
DATE APR 14 2015

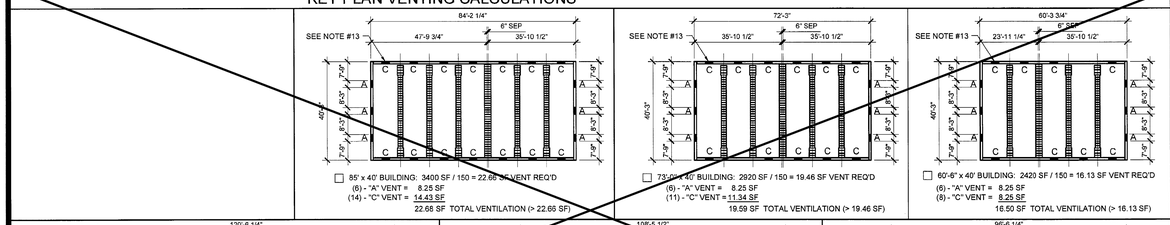
REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-10-14

P.C. SHEET NUMBER
F-0.12
- - HIGH SEISMIC - -

KEY PLAN VENTING CALCULATIONS



☐ 85' x 40' BUILDING: 3400 SF / 150 = 22.66 SF VENT REQ'D
(6) - "A" VENT = 8.25 SF
(14) - "C" VENT = 14.43 SF
22.68 SF TOTAL VENTILATION (> 22.66 SF)

☐ 73'-3" x 40' BUILDING: 2920 SF / 150 = 19.46 SF VENT REQ'D
(6) - "A" VENT = 8.25 SF
(11) - "C" VENT = 11.34 SF
19.59 SF TOTAL VENTILATION (> 19.46 SF)

☐ 60'-6" x 40' BUILDING: 2420 SF / 150 = 16.13 SF VENT REQ'D
(6) - "A" VENT = 8.25 SF
(8) - "C" VENT = 8.25 SF
16.50 SF TOTAL VENTILATION (> 16.13 SF)

☐ 122'-0" x 40' BUILDING: 4880 SF / 150 = 32.53 SF VENT REQ'D
(6) - "A" VENT = 8.25 SF
(18) - "D" VENT = 24.75 SF
33.00 SF TOTAL VENTILATION (> 32.53 SF)

☐ 109'-6" x 40' BUILDING: 4380 SF / 150 = 29.2 SF VENT REQ'D
(6) - "A" VENT = 8.25 SF
(16) - "D" VENT = 22.00 SF
30.25 SF TOTAL VENTILATION (> 29.2 SF)

☐ 97'-6" x 40' BUILDING: 3900 SF / 150 = 26 SF VENT REQ'D
(6) - "A" VENT = 8.25 SF
(13) - "D" VENT = 17.87 SF
26.12 SF TOTAL VENTILATION (> 26 SF)

WOOD FOUNDATION PLATE SCHEDULE

150 PSF

PLATES	END WALL	SIDE WALL	MODLINE PAD AT END WALL	MODLINE PAD AT INTERIOR	PLATES AT SEPARATION ☐ SEPARATE BLDGS	PLATES AT SEPARATION ☐ ONE BLDG
ADDITIONAL (AS NEEDED)	2x4	2x4	2x6	2x6	(2) ROWS OF 2x4	2x12
TOP	2x6	2x6	2x8	2x8	(2) ROWS OF 2x6	2x12
BLOCK	2x8	2x8	2x12	2x12	(2) ROWS OF 2x8 (CONT)	2x12
SILL	2x14	2x14	(7) 2x12 x 30"	2x12 x 24"	(2) ROWS OF 2x14 (CONT)	2x12 x 30"

KEY PLAN VENTING SCHEDULE

VENT "A" (SIDEWALL): 2'-9" x 6" = 1.375 S.F. VENTILATION
"VENT OPENING ABOVE CONT. SILL AND BLOCK PLATES"

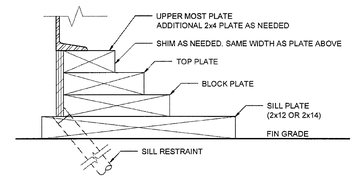
VENT "B" (ENDWALL): (OPTIONAL AT MULTIPLE BLDG SETS) 2'-9" x 3" = 0.68 S.F. VENTILATION
"VENT OPENING ABOVE CONT. SILL AND BLOCK PLATES"

VENT "C" (ENDWALL): (OPTIONAL AT MULTIPLE BLDG SETS) 2'-9" x 4 1/2" = 1.031 S.F. VENTILATION
"VENT OPENING ABOVE CONT. SILL AND BLOCK PLATES"

VENT "D" (ENDWALL): (OPTIONAL AT MULTIPLE BLDG SETS) 2'-9" x 6" = 1.375 S.F. VENTILATION
"VENT OPENING ABOVE CONT. SILL AND BLOCK PLATES"

150 PSF FLOOR LIVE LOAD OPTION CANNOT BE USED WITH THE STUCCO WALL OR PARAPET OPTIONS

FOUNDATION PLATE DESCRIPTION



NOTES

1. BUILDINGS OVER 2160 SF. MUST BE INSTALLED ON A PERMANENT CONCRETE FOUNDATION PER IR 16-1 ITEM 1.4.
2. FOUNDATION PLAN HAS A 1/4" ADDED AT EACH MODULE LINE AND DOES NOT MATCH THE FLOOR PLAN. ADDITIONAL LENGTH ADDED FOR GROWTH THAT IS EXPERIENCED WHEN SETTING MULTIPLE MODULAR FLOORS.
3. FOUNDATION VENTS THAT OCCUR UNDER RAMP LANDINGS, PROVIDE AN EQUAL AREA OF SCREENED VENT IN LANDING SKIRT.
4. WOOD SILL (FOOTING) PLATES SHALL BE PRESSURE TREATED HEM-FIR AND MAY BEAR DIRECTLY ON SOIL OR PAVED SURFACE. GRASS OR TURF SHALL BE CLEARED TO BARE SOIL UNDER THE ENTIRE AREA OF THE BUILDING BY OTHERS. THE WOOD SILL FOOTING PLATE MAY SUPPORT CONTINUOUS BLOCKING AND SHEATHING SKIRT WHICH NEED NOT BE TREATED.
5. SILL RESTRAINT:
THE FOUNDATION SHALL BE DESIGNED TO PREVENT SLIDING ON THE SUPPORTING SURFACE BY ATTACHING THE WOOD FOUNDATION PLATES FOR THE BUILDING, RAMPS AND STAIRS TO THE GROUND WITH RESTRAINING DEVICES. AN ACCEPTABLE DESIGN WOULD INCORPORATE ONE-INCH DIAMETER STANDARD WEIGHT (1.315" ACTUAL O.D.) HOT DIPPED GALVANIZED PIPES OR ONE-INCH DIAMETER SOLID STEEL RODS SPACED AT NOT MORE THAN 10'-0" O.C. ONE PIPE / ROD SHALL BE LOCATED A MAXIMUM OF TWO FEET FROM EACH CORNER IN BOTH DIRECTIONS AND A MINIMUM OF TWO PIPES / RODS PER DISCONTINUOUS FOUNDATIONS STRIP. PIPES SHOULD PENETRATE INTO SOIL, CONCRETE, AND/OR PAVING A MINIMUM OF 12" MEASURED VERTICALLY. ALTERNATE OR EQUIVALENT DESIGNS, WHEN PROVIDED WITH STRUCTURAL CALCULATIONS AND DETAILS, WILL BE SUBMITTED TO DSA FOR REVIEW AND APPROVAL.
6. STACKED WOOD MEMBERS FOR FOUNDATIONS AND PRESSURE TREATED LUMBER SHALL BE NAILED WITH HOT DIPPED GALVANIZED PER ASTM A-153
7. VENTILATION OPENINGS SHALL BE COVERED FOR EITHER HEIGHT AND WIDTH WITH CORROSION - RESISTANT WIRE MESH, WITH A CLEAR "THROUGH" DIMENSION NOT EXCEEDING 1/8" ACTING AS A VERMIN BARRIER.
8. VENTING CALCULATION REQUIREMENTS FOR MULTIPLE BUILDING SETS MUST BE CALCULATED WITH OVERALL SQUARE FOOTAGE INCLUDING SEPARATION.
9. FOR FOUNDATION ANCHORAGE ON CONCRETE PAD, SEE DETAIL 15/F0.50A.
10. IF OPTIONAL ENDWALL VENTS ARE APPLIED, SILL PLATE AND BLOCK PLATE MUST BE CONTINUOUS. VENT OPENINGS SHALL BE BROKEN ABOVE THE BLOCK PLATE
11. FOR FOUNDATION SPLICE - SEE 5/F-0.50A
12. CRAWLSPACE VAPOR RETARDERS (OPTIONAL):
THE OPTIONAL TOTAL AREA OF VENTILATION OPENINGS IS PERMITTED TO BE REDUCED TO 1/1500 FACTOR WITH AN APPROVED VAPOR RETARDER MATERIAL PER CBC SECTION 1203.3.2(2).
MATERIALS:
GROUND SURFACE COVERED WITH AN APPROVED VAPOR RETARDER MATERIAL; MUST HAVE A PERM RATING OF ONE OR LESS; SHOULD BE CONTINUOUS; POLYETHELYNE FILM (≥ 6 MIL); POOL LINER (PUNCTURE RESISTANT); AND POLYETHELYNE FILM WITH RAT SLAB.
INSTALLATION RECOMMENDATIONS:
OVERLAP JOINTS BY 6 INCHES; TAPE OR SEAL ALL JOINTS; ATTACH VAPOR RETARDER OVER SILL PLATE PER 10/F0.50A; SEAL TO ALL PIERS AND OTHER PENETRATIONS.
13. ENDWALL VENTS (IF REQ'D) SHALL BE LOCATED A MIN OF 24" FROM BUILDING CORNERS. MAXIMUM ONE ENDWALL VENT PER 12'-0" MODULE
14. CONCRETE FLOOR LOAD IS INCLUDED IN THE CONCRETE FOUNDATION OPTION FOR FOUNDATION & ANCHORAGE DESIGN, I.E. THERE IS NO CONCRETE FLOOR FOR WOOD FOUNDATION OPTION. THERE IS CONCRETE FLOOR FOR CONCRETE FOUNDATION OPTION
15. IF PARAPET IS HIGHER THAN 18". COMBINATION REQUIRES A 2 X 14" OR 2 X 16" SILL PLATE @ EXTERIOR OF BUILDING
16. 150 PSF FLOOR LIVE LOAD OPTION CANNOT BE USED WITH THE STUCCO WALL OPTION
17. VENTS AT MODLINE FOUNDATIONS. THE MINIMUM CRITERIA REQUIREMENT AS FOLLOWS:
A. VENTS HAVE A MINIMUM OF 2 SILL (BLOCKING) PLATES BENEATH.
B. VENTS ARE A MAXIMUM OF 6" LONG x 3" MIN. HIGH.
C. VENTS ARE SPACED A MINIMUM OF 8" APART (EDGE TO EDGE) AND 24" MIN. FROM CORNERS.

NAILING SCHEDULE

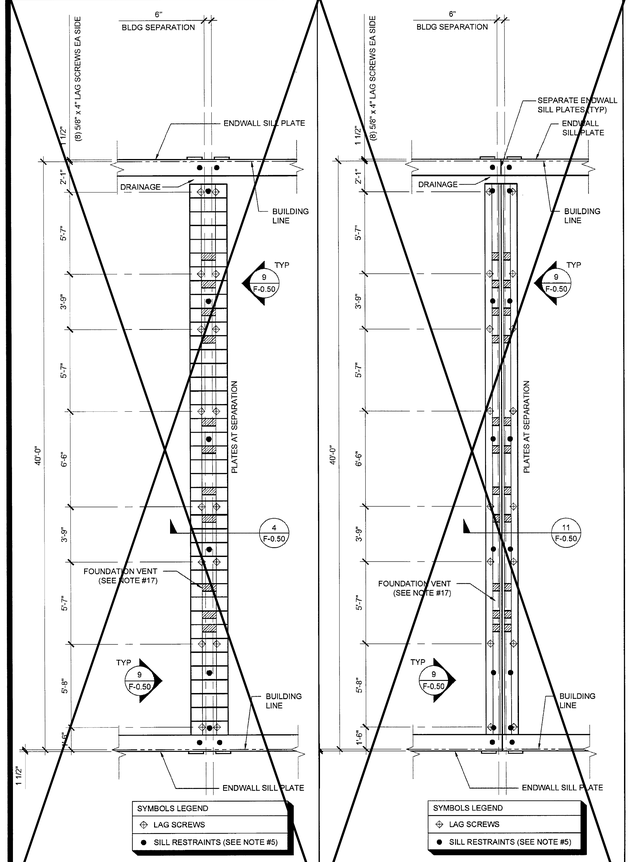
BUILDING SIZE	(2) 16d BOX NAILS PLATE TO PLATE ATTACHMENT BELOW UPPER MOST PLATE
36' x 40'	5" OC AT ENDWALL - 1 / F-0.50 12" OC AT SIDEWALL - 2 / F-0.50 10" OC AT SEPARATION - 4 / F-0.50

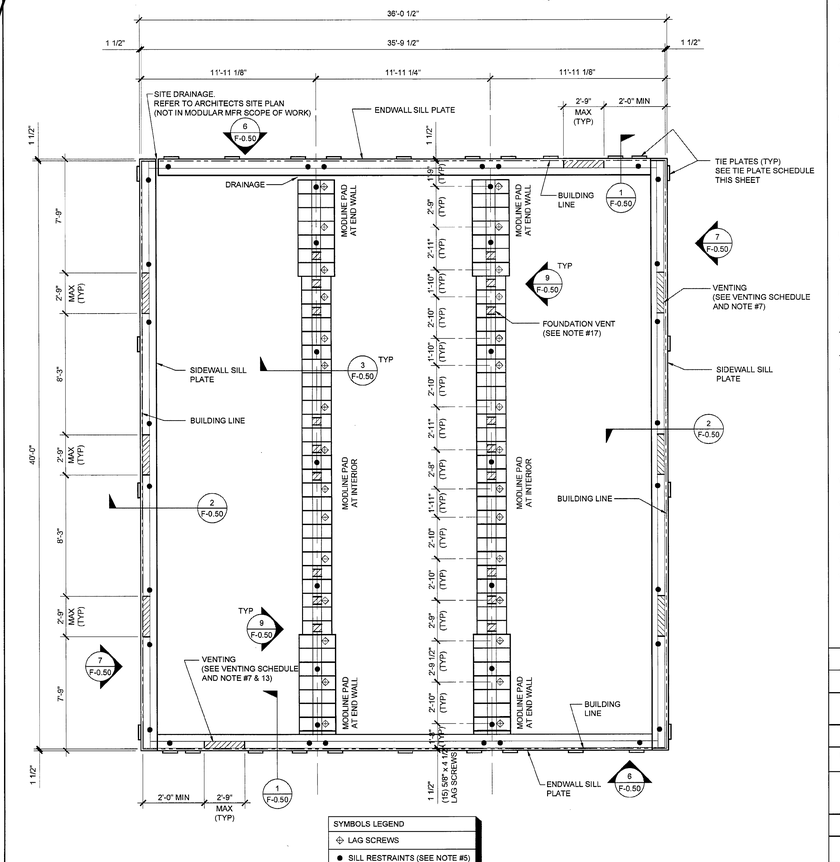
VENTING SCHEDULE

BUILDING SIZE	BUILDING AREA	REQUIRED VENTING	SIDEWALL VENTING	ENDWALL VENTING	TOTAL VENTING SUPPLIED
36' x 40'	1440 SF	9.6 SF (1/150)	2.75' x 6" = (6) 1.375 SF/ EA (8.25 SF TOTAL)	2.75' x 3" = (2) 0.68 SF/ EA (1.36 SF TOTAL)	9.61 SF SEE NOTE #8

TIE PLATE SCHEDULE

BUILDING SIZE	SIDE WALL TIE PLATES	END WALL TIE PLATES	TOTAL NUMBER OF TIE PLATES
36' x 40'	4	10	28





SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE, PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
WOOD FOUNDATION PLAN
36x40
(150 PSF)

TAVARES ASSOCIATES
STRUCTURAL ENGINEERING & PROJECT MGT
REGISTERED PROFESSIONAL ENGINEER
No. 53380
STRUCTURAL
STATE OF CALIFORNIA
LICENSED ARCHITECT
PATRICK A. TAVARES
C-33487
REN 01-31-2015
STATE OF CALIFORNIA
04/01/2015
KST# 14001

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
BSE, 2013 CBC
A SEPARATE PERMIT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC FLS SS
DATE APR 14 2015

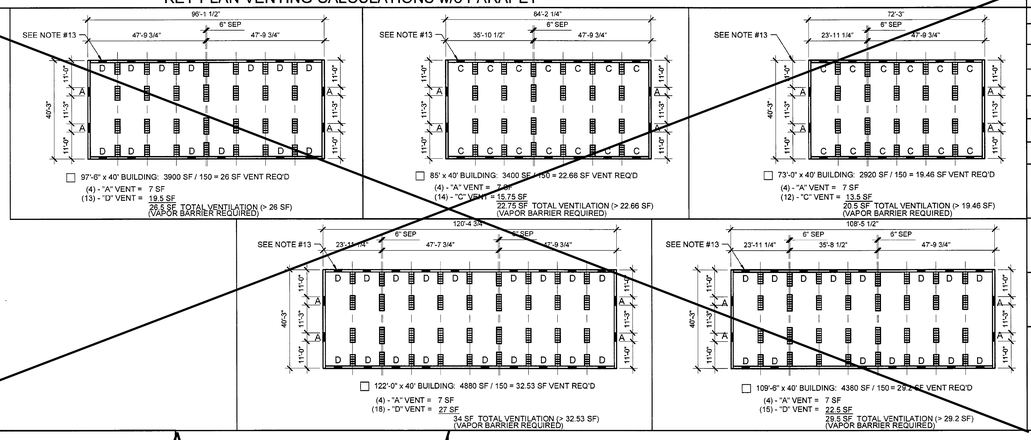
REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	09-10-14

P.C. SHEET NUMBER
F-0.14
- - HIGH SEISMIC - -

KEY PLAN VENTING CALCULATIONS w/o PARAPET



WOOD FOUNDATION PLATE SCHEDULE

50 + 15 PSF

PLATES	END WALL	SIDE WALL	MODLINE PAD AT END WALL	MODLINE PAD AT INTERIOR	SEPARATION PAD AT ENDWALL ☐ SEPARATE BLDGS	SEPARATION PAD AT ENDWALL ☐ ONE BLDG	SEPARATION PAD AT INTERIOR ☐ SEPARATE BLDGS	SEPARATION PAD AT INTERIOR ☐ ONE BLDG
ADDITIONAL (AS NEEDED)	2x4	2x4	2x6	2x6	(2) ROWS OF 2x4	2x12	(2) ROWS OF 2x4	2x12
TOP	2x6	2x6	2x8	2x8	(2) ROWS OF 2x6	2x12	(2) ROWS OF 2x6	2x12
BLOCK	2x8	2x8	2x10	2x10	(2) ROWS OF 2x8	2x12	(2) ROWS OF 2x8	2x12
SILL	2x12 (2x14)[3]	2x12 (2x14)[15]	(6) 2x12 x 2'-0"	(6) 2x12 x 2'-0"	(2) ROWS OF 2x14	(9) 2x12 x 2'-0"	(2) ROWS OF 2x14	(8) 2x12 x 2'-0"

KEY PLAN VENTING SCHEDULE

VENT "A" (SIDEWALL): 3'-6" x 6" = 1.75 S.F. VENTILATION
"VENT OPENING AT SILL AND BLOCK PLATES"

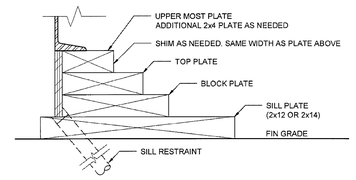
VENT "B" (ENDWALL): (OPTIONAL AT MULTIPLE BLDG SETS) 3'-0" x 3" = 0.75 S.F. VENTILATION
"VENT OPENING ABOVE CONT. SILL AND BLOCK PLATES"

VENT "C" (ENDWALL): (OPTIONAL AT MULTIPLE BLDG SETS) 3'-0" x 4 1/2" = 1.125 S.F. VENTILATION
"VENT OPENING ABOVE CONT. SILL AND BLOCK PLATES"

VENT "D" (ENDWALL): (OPTIONAL AT MULTIPLE BLDG SETS) 3'-0" x 6" = 1.5 S.F. VENTILATION
"VENT OPENING ABOVE CONT. SILL AND BLOCK PLATES"

NOTE:
@ BUILDINGS WITH PARAPETS UP TO 48" HIGH, SIDE WALL VENTS CHANGE FROM 3'-6" TO 3'-0", SEE VENTING SCHED.

FOUNDATION PLATE DESCRIPTION



NOTES

1. BUILDINGS OVER 2160 SF, MUST BE INSTALLED ON A PERMANENT CONCRETE FOUNDATION PER IR 16-1 ITEM 1.4.
2. FOUNDATION PLAN HAS A 1/4" ADDED AT EACH MODULE LINE AND DOES NOT MATCH THE FLOOR PLAN. ADDITIONAL LENGTH ADDED FOR GROWTH THAT IS EXPERIENCED WHEN SETTING MULTIPLE MODULAR FLOORS.
3. FOUNDATION VENTS THAT OCCUR UNDER RAMP LANDINGS, PROVIDE AN EQUAL AREA OF SCREENED VENT IN LANDING SKIRT.
4. WOOD SILL (FOOTING) PLATES SHALL BE PRESSURE TREATED HEM-FIR AND MAY BEAR DIRECTLY ON SOIL OR PAVED SURFACE. GRASS OR TURF SHALL BE CLEARED TO BARE SOIL UNDER THE ENTIRE AREA OF THE BUILDING BY OTHERS. THE WOOD SILL FOOTING PLATE MAY SUPPORT CONTINUOUS BLOCKING AND SHEATHING SKIRT WHICH NEED NOT BE TREATED.
5. SILL RESTRAINT:
   THE FOUNDATION SHALL BE DESIGNED TO PREVENT SLIDING ON THE SUPPORTING SURFACE BY ATTACHING THE WOOD FOUNDATION PLATES FOR THE BUILDING, RAMPS AND STAIRS TO THE GROUND WITH RESTRAINING DEVICES. AN ACCEPTABLE DESIGN WOULD INCORPORATE ONE-INCH DIAMETER STANDARD WEIGHT (1.315" ACTUAL O.D.) HOT DIPPED GALVANIZED PIPES OR ONE-INCH DIAMETER SOLID STEEL RODS SPACED AT NOT MORE THAN 10'-0" O.C. ONE PIPE / ROD SHALL BE LOCATED A MAXIMUM OF TWO FEET FROM EACH CORNER IN BOTH DIRECTIONS AND A MINIMUM OF TWO PIPES / RODS PER DISCONTINUOUS FOUNDATIONS STRIP. PIPES SHOULD PENETRATE INTO SOIL, CONCRETE, AND/OR PAVING A MINIMUM OF 12" MEASURED VERTICALLY. ALTERNATE OR EQUIVALENT DESIGNS, WHEN PROVIDED WITH STRUCTURAL CALCULATIONS AND DETAILS, WILL BE SUBMITTED TO DSA FOR REVIEW AND APPROVAL.
6. STACKED WOOD MEMBERS FOR FOUNDATIONS AND PRESSURE TREATED LUMBER SHALL BE NAILED WITH HOT DIPPED GALVANIZED PER ASTM A-153
7. VENTILATION OPENINGS SHALL BE COVERED FOR EITHER HEIGHT AND WIDTH WITH CORROSION - RESISTANT WIRE MESH, WITH A CLEAR "THROUGH" DIMENSION NOT EXCEEDING 1/8" ACTING AS A VERMIN BARRIER.
8. VENTING CALCULATION REQUIREMENTS FOR MULTIPLE BUILDING SETS MUST BE CALCULATED WITH OVERALL SQUARE FOOTAGE INCLUDING SEPARATION.
9. FOR FOUNDATION ANCHORAGE ON CONCRETE PAD, SEE DETAIL 15/F0.50A.
10. IF OPTIONAL ENDWALL VENTS ARE APPLIED, SILL PLATE AND BLOCK PLATE MUST BE CONTINUOUS. VENT OPENINGS SHALL BE BROKEN ABOVE THE BLOCK PLATE
11. FOR FOUNDATION SPLICE - SEE 5/F-0.50A
12. CRAWLSPACE VAPOR RETARDERS (OPTIONAL):
    THE OPTIONAL TOTAL AREA OF VENTILATION OPENINGS IS PERMITTED TO BE REDUCED TO 1/1500 FACTOR WITH AN APPROVED VAPOR RETARDER MATERIAL PER CBC SECTION 1203.3.2(2).
    MATERIALS:
    GROUND SURFACE COVERED WITH AN APPROVED VAPOR RETARDER MATERIAL; MUST HAVE A PERM RATING OF ONE OR LESS; SHOULD BE CONTINUOUS; POLYETHELYNE FILM (≥ 6 MIL); POOL LINER (PUNCTURE RESISTANT); AND POLYETHELYNE FILM WITH RAT SLAB.
    INSTALLATION RECOMMENDATIONS:
    OVERLAP JOINTS BY 6 INCHES; TAPE OR SEAL ALL JOINTS; ATTACH VAPOR RETARDER OVER SILL PLATE PER 10/F0.50A; SEAL TO ALL PIERS AND OTHER PENETRATIONS.
13. ENDWALL VENTS (IF REQ'D) SHALL BE LOCATED A MIN OF 24" FROM BUILDING CORNERS. MAXIMUM ONE ENDWALL VENT PER 12'-0" MODULE
14. CONCRETE FLOOR LOAD IS INCLUDED IN THE CONCRETE FOUNDATION OPTION FOR FOUNDATION & ANCHORAGE DESIGN, I.E. THERE IS NO CONCRETE FLOOR FOR WOOD FOUNDATION OPTION. THERE IS CONCRETE FLOOR FOR CONCRETE FOUNDATION OPTION
15. IF PARAPET IS HIGHER THAN 18". COMBINATION REQUIRES A 2 X 14" OR 2 X 16" SILL PLATE @ EXTERIOR OF BUILDING
16. 150 PSF FLOOR LIVE LOAD OPTION CANNOT BE USED WITH THE STUCCO WALL OPTION
17. VENTS AT MODULINE FOUNDATIONS. THE MINIMUM CRITERIA REQUIREMENT AS FOLLOWS:
    A. VENTS HAVE A MINIMUM OF 2 SILL BLOCKING PLATES BENEATH.
    B. VENTS ARE A MAXIMUM OF 6" LONG x 3" MIN. HIGH.
    C. VENTS ARE SPACED A MINIMUM OF 8" APART (EDGE TO EDGE) AND 24" MIN. FROM CORNERS.

NAILING SCHEDULE

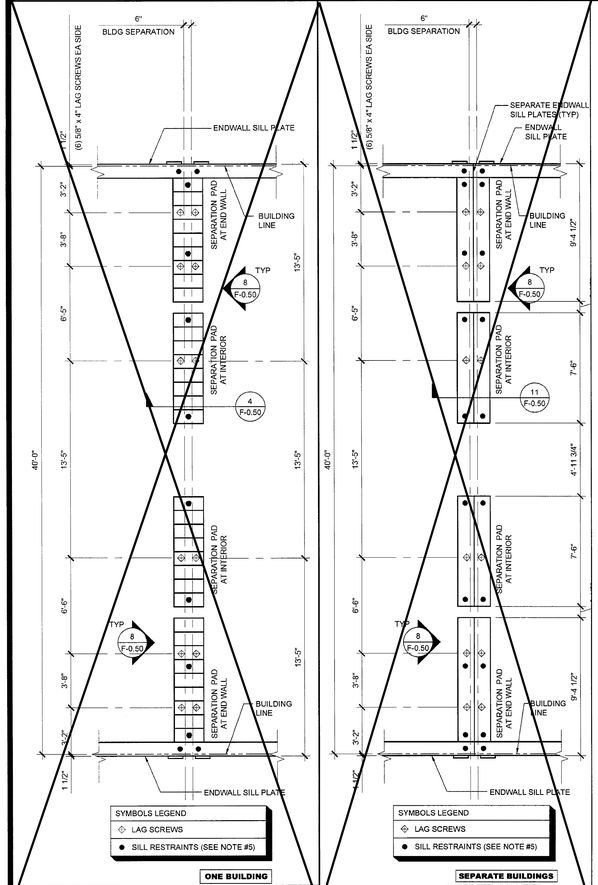
BUILDING SIZE	(2) 16d BOX NAILS PLATE TO PLATE ATTACHMENT BELOW UPPER MOST PLATE
48' x 40'	7" OC AT ENDWALL - 1 / F-0.50 12" OC AT SIDEWALL - 2 / F-0.50 12" OC AT SEPARATION - 4 / F-0.50

VENTING SCHEDULE

	BUILDING SIZE	BUILDING AREA	REQUIRED VENTING	SIDEWALL VENTING	ENDWALL VENTING	TOTAL VENTING SUPPLIED
W/O PARAPET	48' x 40'	1920 SF	12.8 SF (1/150)	3'-6" x 6" = (4) 1.75 SF/EA(7SF TOTAL)	3'-0" x 3" = (8).75 SF/EA(6SF TOTAL)	13.0 SF SEE NOTE #6
W/ PARAPET	48' x 40'	1920 SF	12.8 SF (1/150)	3'-0" x 6" = (4) 1.5 SF/EA(6SF TOTAL)	36" x 4 1/2" = (7)1.125 SF/EA(7.875F TOTAL)	13.87 SF SEE NOTE #8

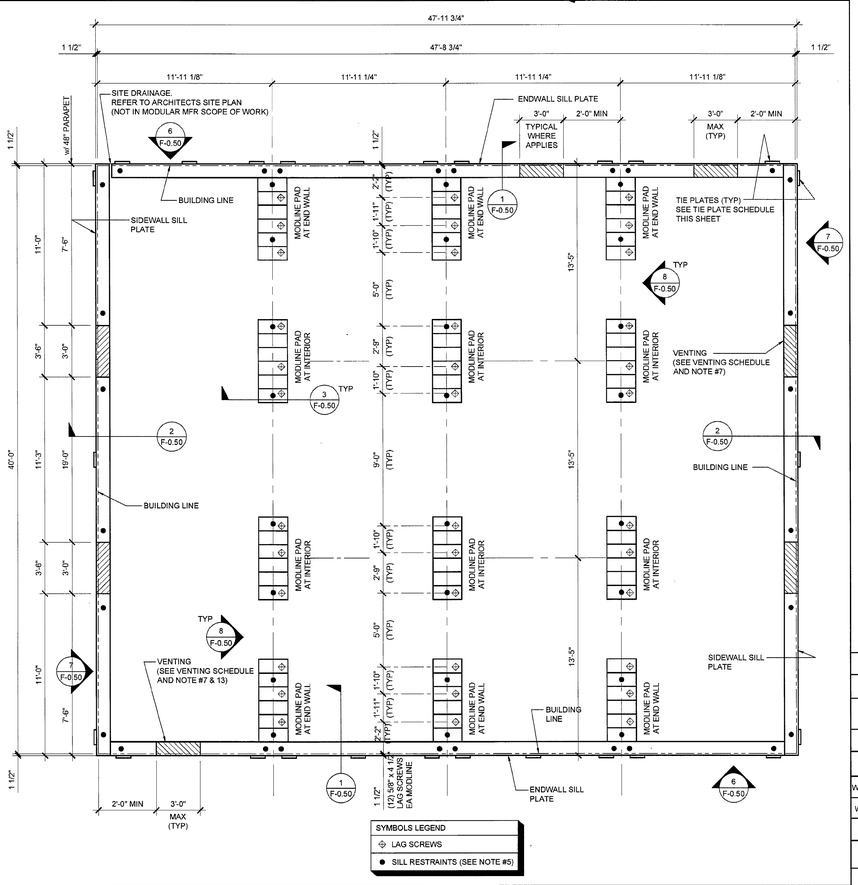
TIE PLATE SCHEDULE

BUILDING SIZE	SIDE WALL TIE PLATES	END WALL TIE PLATES	TOTAL NUMBER OF TIE PLATES
48' x 40'	3	10	26



FOOTING AT SEP SCALE: 1/4" = 1'-0" 3

FOOTING AT SEP SCALE: 1/4" = 1'-0" 2



FOUNDATION PLAN SCALE: 1/4" = 1'-0" 1

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
WOOD FOUNDATION PLAN
48x40
(50+15 PSF)

TAVARES ASSOCIATES
STRUCTURAL ENGINEERING & CONSULTING
40A OAKS NORTH, WEAVERVILLE, CA 96093
(530) 623-1717 FAX: (530) 623-1724
www.tavaresassoc.com

REN 01-31-2015 — No. S3380 — STRUCTURAL — STATE OF CALIFORNIA — 04/01/2015

RST # 14001

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT NOT FOR CONSTRUCTION A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC. ELS SS
DATE APR 14 2015

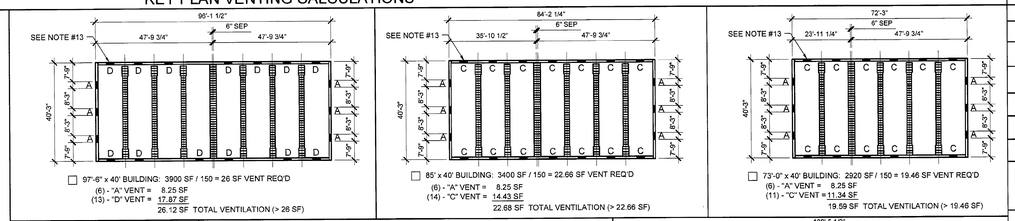
REVISIONS

1	
2	
3	
4	
5	
6	
7	
8	

SILVER CREEK INDUSTRIES	24' x 40' PC (HIGH SEISMIC)
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	09-10-14

P.C. SHEET NUMBER
F-0.22
- - HIGH SEISMIC - -

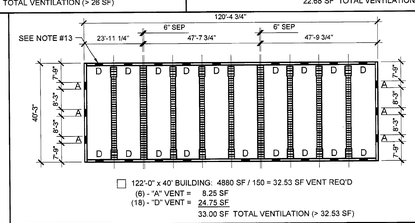
KEY PLAN VENTING CALCULATIONS



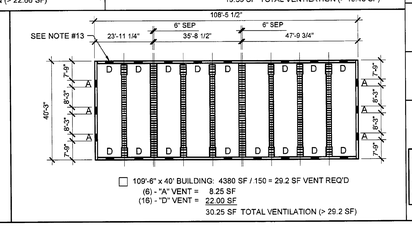
☐ 97'-6" x 40' BUILDING: 3900 SF / 150 = 26 SF VENT REQ'D
(6) - "A" VENT = 8.25 SF
(13) - "D" VENT = 17.87 SF
26.12 SF TOTAL VENTILATION (> 26 SF)

☐ 85' x 40' BUILDING: 3400 SF / 150 = 22.66 SF VENT REQ'D
(6) - "A" VENT = 8.25 SF
(14) - "C" VENT = 14.43 SF
22.68 SF TOTAL VENTILATION (> 22.66 SF)

☐ 73'-0" x 40' BUILDING: 2920 SF / 150 = 19.46 SF VENT REQ'D
(6) - "A" VENT = 8.25 SF
(11) - "C" VENT = 11.34 SF
19.59 SF TOTAL VENTILATION (> 19.46 SF)



☐ 122'-0" x 40' BUILDING: 4880 SF / 150 = 32.53 SF VENT REQ'D
(6) - "A" VENT = 8.25 SF
(18) - "D" VENT = 24.75 SF
33.00 SF TOTAL VENTILATION (> 32.53 SF)



☐ 109'-6" x 40' BUILDING: 4380 SF / 150 = 29.2 SF VENT REQ'D
(6) - "A" VENT = 8.25 SF
(16) - "D" VENT = 22.00 SF
30.25 SF TOTAL VENTILATION (> 29.2 SF)

WOOD FOUNDATION PLATE SCHEDULE

150 PSF

PLATES	END WALL	SIDE WALL	MODLINE PAD AT END WALL	MODLINE PAD AT INTERIOR	PLATES AT SEPARATION	
					☐ SEPARATE BLDGS	☐ ONE BLDG
ADDITIONAL (AS NEEDED)	2x4	2x4	2x6	2x6	(2) ROWS OF 2x4	2x12
TOP	2x6	2x6	2x8	2x8	(2) ROWS OF 2x6	2x12
BLOCK	2x8	2x8	2x12	2x12	(2) ROWS OF 2x8 (CONT)	2x12
SILL	2x14	2x14	(7) 2x12 x 30"	2x12 x 24"	(2) ROWS OF 2x14 (CONT)	2x12 x 30"

KEY PLAN VENTING SCHEDULE

VENT "A" (SIDEWALL): 2'-9" x 6" = 1.375 S.F. VENTILATION
"VENT OPENING ABOVE CONT. SILL AND BLOCK PLATES"

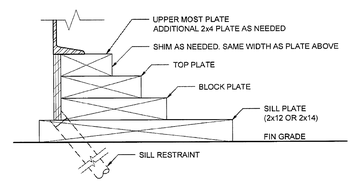
VENT "B" (ENDWALL): (OPTIONAL AT MULTIPLE BLDG SETS) 2'-9" x 3" = 0.68 S.F. VENTILATION
"VENT OPENING ABOVE CONT. SILL AND BLOCK PLATES"

VENT "C" (ENDWALL): (OPTIONAL AT MULTIPLE BLDG SETS) 2'-9" x 4 1/2" = 1.031 S.F. VENTILATION
"VENT OPENING ABOVE CONT. SILL AND BLOCK PLATES"

VENT "D" (ENDWALL): (OPTIONAL AT MULTIPLE BLDG SETS) 2'-9" x 6" = 1.375 S.F. VENTILATION
"VENT OPENING ABOVE CONT. SILL AND BLOCK PLATES"

150 PSF FLOOR LIVE LOAD OPTION CANNOT BE USED WITH THE STUCCO WALL OR PARAPET OPTIONS

FOUNDATION PLATE DESCRIPTION



NOTES

1. BUILDINGS OVER 2160 SF. MUST BE INSTALLED ON A PERMANENT CONCRETE FOUNDATION PER IR 16-1 ITEM 1.4.
2. FOUNDATION PLAN HAS A 1/4" ADDED AT EACH MODULE LINE AND DOES NOT MATCH THE FLOOR PLAN. ADDITIONAL LENGTH ADDED FOR GROWTH THAT IS EXPERIENCED WHEN SETTING MULTIPLE MODULAR FLOORS.
3. FOUNDATION VENTS THAT OCCUR UNDER RAMP LANDINGS, PROVIDE AN EQUAL AREA OF SCREENED VENT IN LANDING SKIRT.
4. WOOD SILL (FOOTING) PLATES SHALL BE PRESSURE TREATED HEM-FIR AND MAY BEAR DIRECTLY ON SOIL OR PAVED SURFACE. GRASS OR TURF SHALL BE CLEARED TO BARE SOIL UNDER THE ENTIRE AREA OF THE BUILDING BY OTHERS. THE WOOD SILL FOOTING PLATE MAY SUPPORT CONTINUOUS BLOCKING AND SHEATHING SKIRT WHICH NEED NOT BE TREATED.
5. SILL RESTRAINT:
THE FOUNDATION SHALL BE DESIGNED TO PREVENT SLIDING ON THE SUPPORTING SURFACE BY ATTACHING THE WOOD FOUNDATION PLATES FOR THE BUILDING, RAMPS AND STAIRS TO THE GROUND WITH RESTRAINING DEVICES. AN ACCEPTABLE DESIGN WOULD INCORPORATE ONE-INCH-DIAMETER STANDARD WEIGHT (1.315" ACTUAL O.D.) HOT DIPPED GALVANIZED PIPES OR ONE-INCH DIAMETER SOLID STEEL RODS SPACED AT NOT MORE THAN 10'-0" O.C. ONE PIPE / ROD SHALL BE LOCATED A MAXIMUM OF TWO FEET FROM EACH CORNER IN BOTH DIRECTIONS AND A MINIMUM OF TWO PIPES / RODS PER DISCONTINUOUS FOUNDATIONS STRIP. PIPES SHOULD PENETRATE INTO SOIL, CONCRETE, AND/OR PAVING A MINIMUM OF 12" MEASURED VERTICALLY. ALTERNATE OR EQUIVALENT DESIGNS, WHEN PROVIDED WITH STRUCTURAL CALCULATIONS AND DETAILS, WILL BE SUBMITTED TO DSA FOR REVIEW AND APPROVAL.
6. STACKED WOOD MEMBERS FOR FOUNDATIONS AND PRESSURE TREATED LUMBER SHALL BE NAILED WITH HOT DIPPED GALVANIZED PER ASTM A-153
7. VENTILATION OPENINGS SHALL BE COVERED FOR EITHER HEIGHT AND WIDTH WITH CORROSION - RESISTANT WIRE MESH, WITH A CLEAR "THROUGH" DIMENSION NOT EXCEEDING 1/8" ACTING AS A VERMIN BARRIER.
8. VENTING CALCULATION REQUIREMENTS FOR MULTIPLE BUILDING SETS MUST BE CALCULATED WITH OVERALL SQUARE FOOTAGE INCLUDING SEPARATION.
9. FOR FOUNDATION ANCHORAGE ON CONCRETE PAD, SEE DETAIL 15/F0.50A.
10. IF OPTIONAL ENDWALL VENTS ARE APPLIED, SILL PLATE AND BLOCK PLATE MUST BE CONTINUOUS. VENT OPENINGS SHALL BE BROKEN ABOVE THE BLOCK PLATE
11. FOR FOUNDATION SPLICE - SEE 5/F-0.50A
12. CRAWLSPACE VAPOR RETARDERS (OPTIONAL):
THE OPTIONAL TOTAL AREA OF VENTILATION OPENINGS IS PERMITTED TO BE REDUCED TO 1/1500 FACTOR WITH AN APPROVED VAPOR RETARDER MATERIAL PER CBC SECTION 1203.3.2(2).
MATERIALS:
GROUND SURFACE COVERED WITH AN APPROVED VAPOR RETARDER MATERIAL; MUST HAVE A PERM RATING OF ONE OR LESS; SHOULD BE CONTINUOUS; POLYETHELYNE FILM (≥ 6 MIL); POOL LINER (PUNCTURE RESISTANT); AND POLYETHELYNE FILM WITH RAT SLAB.
INSTALLATION RECOMMENDATIONS:
OVERLAP JOINTS BY 6 INCHES; TAPE OR SEAL ALL JOINTS; ATTACH VAPOR RETARDER OVER SILL PLATE PER 10/F0.50A; SEAL TO ALL PIERS AND OTHER PENETRATIONS.
13. ENDWALL VENTS (IF REQ'D) SHALL BE LOCATED A MIN OF 24" FROM BUILDING CORNERS. MAXIMUM ONE ENDWALL VENT PER 12'-0" MODULE
14. CONCRETE FLOOR LOAD IS INCLUDED IN THE CONCRETE FOUNDATION OPTION FOR FOUNDATION & ANCHORAGE DESIGN, I.E. THERE IS NO CONCRETE FLOOR FOR WOOD FOUNDATION OPTION. THERE IS CONCRETE FLOOR FOR CONCRETE FOUNDATION OPTION
15. IF PARAPET IS HIGHER THAN 18". COMBINATION REQUIRES A 2 X 14" OR 2 X 16" SILL PLATE @ EXTERIOR OF BUILDING
16. 150 PSF FLOOR LIVE LOAD OPTION CANNOT BE USED WITH THE STUCCO WALL OPTION
17. VENTS AT MODLINE FOUNDATIONS. THE MINIMUM CRITERIA REQUIREMENT AS FOLLOWS:
A. VENTS HAVE A MINIMUM OF 2 SILL /BLOCKING PLATES BENEATH.
B. VENTS ARE A MAXIMUM OF 6" LONG x 3" MIN. HIGH.
C. VENTS ARE SPACED A MINIMUM OF 8" APART (EDGE TO EDGE) AND 24" MIN. FROM CORNERS.

NAILING SCHEDULE

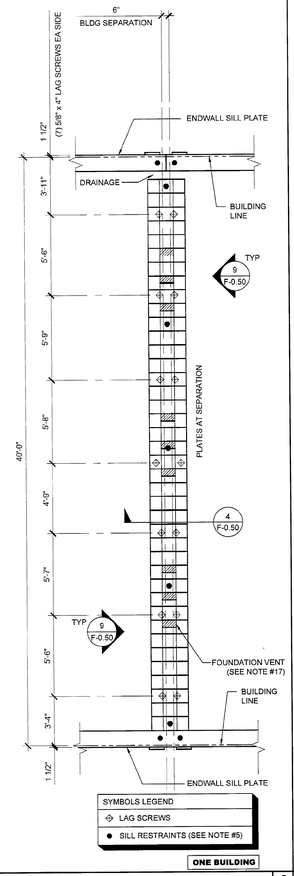
BUILDING SIZE	(2) 16d BOX NAILS PLATE TO PLATE ATTACHMENT BELOW/UPPER MOST PLATE
48' x 40'	5" OC AT ENDWALL - 1 / F-0.50 12" OC AT SIDEWALL - 2 / F-0.50 10" OC AT SEPARATION - 4 / F-0.50

VENTING SCHEDULE

BUILDING SIZE	BUILDING AREA	REQUIRED VENTING	SIDEWALL VENTING	ENDWALL VENTING	TOTAL VENTING SUPPLIED
48' x 40'	1920 SF	12.8 SF (1/150)	2.75' x 6" = (6) 1.375 SF/ EA (8.25 SF TOTAL)	2.75' x 6" = (4) 1.375 SF/ EA (5.5 SF TOTAL)	13.75 SF SEE NOTE #8

TIE PLATE SCHEDULE

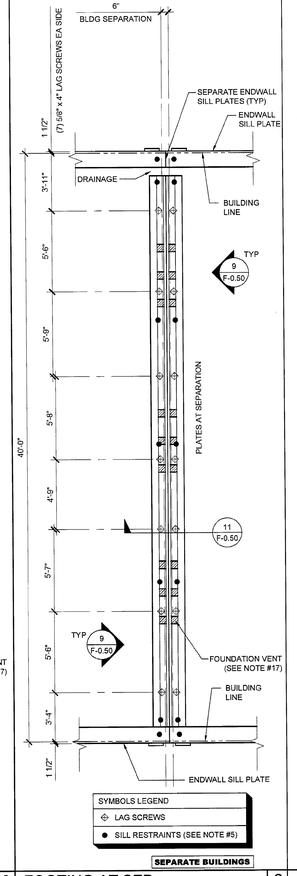
BUILDING SIZE	SIDE WALL TIE PLATES	END WALL TIE PLATES	TOTAL NUMBER OF TIE PLATES
48' x 40'	4	13	34



SYMBOLS LEGEND
LAG SCREWS
SILL RESTRAINTS (SEE NOTE #5)

ONE BUILDING

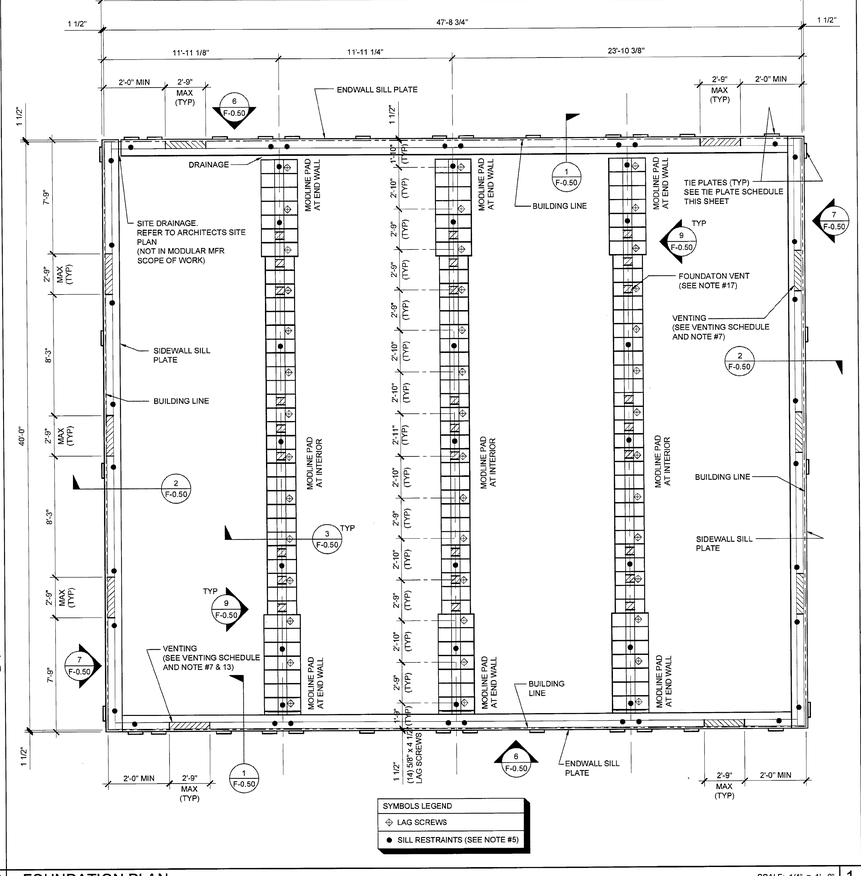
FOOTING AT SEP SCALE: 1/4" = 1' - 0" | 3



SYMBOLS LEGEND
LAG SCREWS
SILL RESTRAINTS (SEE NOTE #5)

SEPARATE BUILDINGS

FOOTING AT SEP SCALE: 1/4" = 1' - 0" | 2



SYMBOLS LEGEND
LAG SCREWS
SILL RESTRAINTS (SEE NOTE #5)

FOUNDATION PLAN SCALE: 1/4" = 1' - 0" | 1

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
WOOD FOUNDATION PLAN
48x40
(150 PSF)

TAVARES ASSOCIATES
STRUCTURAL ENGINEERING CONSULTANTS
LARRY W. TAVARES NO. S3380 EXP. 6/30/2015
SAN DIEGO, CA 92111 (858) 278-8900
www.tavaresassociates.com

LICENSED ARCHITECT LARRY W. TAVARES No. C-23487 REN 01-31-2015 STATE OF CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER LARRY W. TAVARES No. S3380 STRUCTURAL STATE OF CALIFORNIA
04/01/2015
RS1414001

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT A SEPARATE PERMIT APPLICATION FOR CONSTRUCTION IS REQUIRED

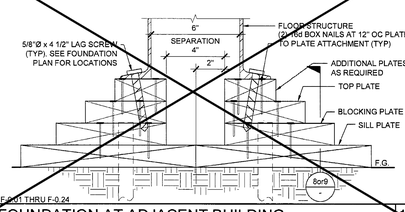
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC FLS SS
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

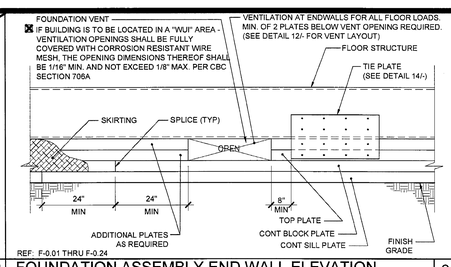
SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	09-10-14

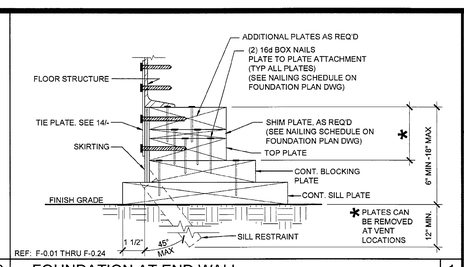
P.C. SHEET NUMBER
F-0.24
- - HIGH SEISMIC - -



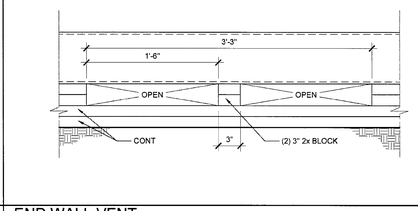
16 FOUNDATION AT ADJACENT BUILDING SCALE : 3"=1'-0"



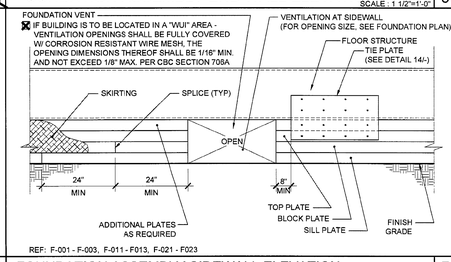
11 FOUNDATION ASSEMBLY END WALL ELEVATION SCALE : 1 1/2"=1'-0"



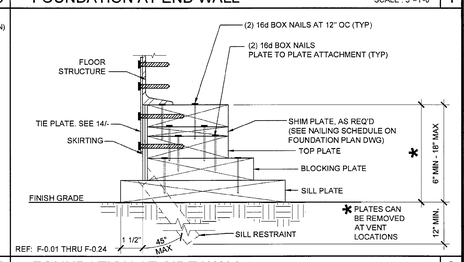
6 FOUNDATION AT END WALL SCALE : 3"=1'-0" 1



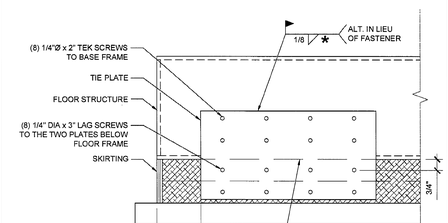
17 END WALL VENT SCALE : 1 1/2"=1'-0"



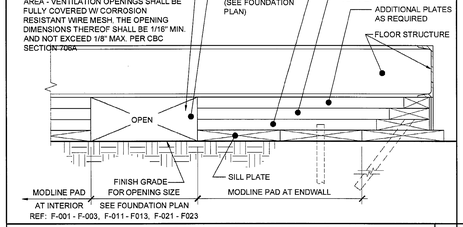
12 FOUNDATION ASSEMBLY SIDEWALL ELEVATION SCALE : 1 1/2"=1'-0"



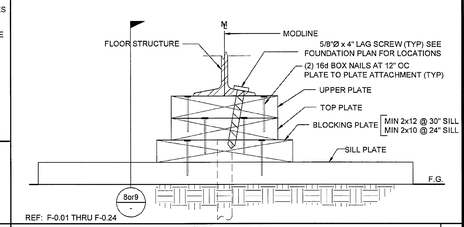
7 FOUNDATION AT SIDE WALL SCALE : 3"=1'-0" 2



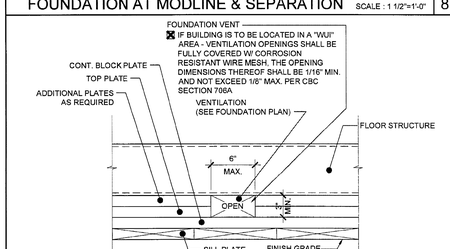
18 19 TIE PLATE SCALE : 3"=1'-0"



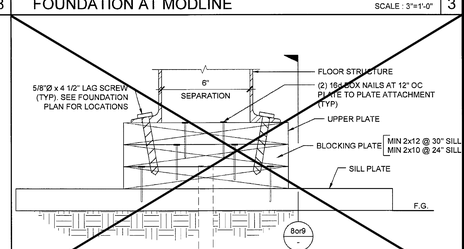
8 FOUNDATION AT MODLINE & SEPARATION SCALE : 1 1/2"=1'-0"



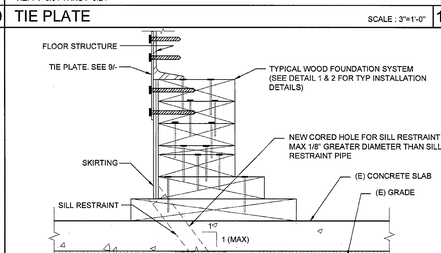
3 FOUNDATION AT MODLINE SCALE : 3"=1'-0"



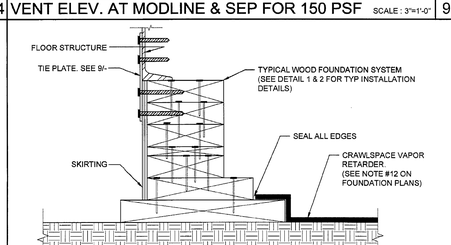
14 VENT ELEV. AT MODLINE & SEP FOR 150 PSF SCALE : 3"=1'-0"



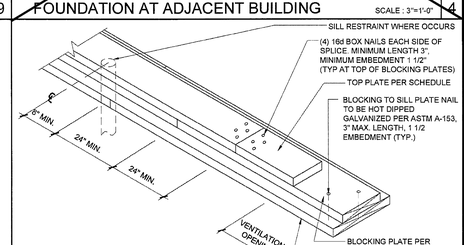
9 FOUNDATION AT ADJACENT BUILDING SCALE : 3"=1'-0" 4



20 FOUNDATION ANCHORAGE AT CONCRETE PAD SCALE : 3"=1'-0"



15 CRAWLSPACE VAPOR RETARDER SCALE : 3"=1'-0"



10 FOUNDATION SPLICE SCALE : NTS 5

SILVER CREEK INDUSTRIES, INC.

"BUILDING FOR THE NEXT GENERATION"

SILVER CREEK

2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

PALOMAR COLLEGE EDUCATION CTR.

PALOMAR COLLEGE VARIOUS BUILDING SIZES

SHEET TITLE:

FOUNDATION DETAILS
WOOD

TAVARES ASSOCIATES
STRUCTURAL ENGINEERING & PROJECT MGT
LANTA M. TAVARES, S.E. 3380
SAN DIEGO, CA 92107 858-442-2266
www.tavaresse.com

LICENSED ARCHITECT — DAVID L. SWEETT — C-33467 — REN 01-31-2015 — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — LANTA M. TAVARES — No. S3380 — STRUCTURAL — STATE OF CALIFORNIA

04/01/2015

RS# 14001

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT NOT FOR CONSTRUCTION A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC. — FLS. — SS.
DATE APR 14 2015

REVISIONS

1	
2	
3	
4	
5	
6	
7	
8	

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	09-10-14

P.C. SHEET NUMBER

F-0.50

- - HIGH SEISMIC - -

STRUCTURAL SPECIFICATIONS

FOUNDATIONS:

GEOTECHNICAL INVESTIGATIONS SHALL BE CONDUCTED IN ACCORDANCE WITH SECTIONS 1803A.3 THROUGH 1803A.6. EXCEPTIONS, 1) GEOTECHNICAL REPORTS ARE NOT REQUIRED FOR ONE-STORY, WOOD-FRAME AND LIGHT-STEEL-FRAME BUILDINGS OF TYPE II OR TYPE V CONSTRUCTION AND 4,000 SQUARE FEET OR LESS IN FLOOR AREA, NOT LOCATED WITHIN EARTHQUAKE FAULT ZONES OR SEISMIC HAZARD ZONES AS SHOWN IN THE MOST RECENTLY PUBLISHED MAPS FROM THE CALIFORNIA GEOLOGICAL SURVEY (CGS) OR IN SEISMIC HAZARD ZONES AS DEFINED IN THE SAFETY ELEMENT OF THE LOCAL GENERAL PLAN, 2) A PREVIOUS REPORT FOR A SPECIFIC SITE MAY BE RESUBMITTED, PROVIDED THAT A REEVALUATION IS MADE AND THE REPORT IS FOUND TO BE CURRENTLY APPROPRIATE. ALLOWABLE FOUNDATION AND LATERAL SOIL PRESSURE VALUES MAY BE DETERMINED FROM TABLE 1806A.2 PER CBC SECTION 1803A.2

CONCRETE

PROVIDE NECESSARY SHIMS ON FOOTINGS NOT LEVEL WITHIN THE 1/2" ALLOWABLE TOLERANCE. THE DISTRICT SHALL PROVIDE CLEAR AND UNOBSTRUCTED ACCESS TO THE SITE. THE DISTRICT IS RESPONSIBLE FOR ALL SURVEYING, STAKING THE BUILDING CORNERS, SETTING THE FINISH FLOOR ELEVATION, RIGGING, CRANING, EXCAVATION, SPOIL REMOVAL, AND BACKFILL.

THE FOUNDATION AND THE METHOD OF FASTENING THE UNITS SHALL BE AS SHOWN ON DRAWINGS WHERE APPLICABLE. HIGH STRENGTH GROUT SHALL BE EMBECO 885 NON-SHRINK, METALLIC AGGREGATE GROUT OR A DSA APPROVED EQUAL.

THE DESIGN OF CONRETE FOUNDATIONS WILL BE AS FOLLOWS:

1. FURNISH AND INSTALL ALL CONCRETE WORK AS SHOWN ON THE DRAWINGS AND AS SPECIFIED.
2. EXCEPT AS MODIFIED BY THE REQUIREMENTS SPECIFIED HEREIN AND / OR THE DETAILS ON THE DRAWINGS, ALL WORK INCLUDED IN THIS SECTION SHALL CONFORM TO THE APPLICABLE PROVISIONS OF CODES AND STANDARDS.
   a) ALL WORK AND MATERIALS SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS, AND CHAPTER 19A.
   b) AMERICAN CONCRETE INSTITUTE (ACI): BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI318-11.
   c) SOCIETY FOR TESTING AND MATERIALS (ASTM): THE SPECIFICATIONS AND STANDARDS HEREINAFTER REFERENCED TO SHALL BE OF THE LATEST EDITION.
3. CONCRETE FOUNDATION TESTS AND INSPECTIONS SHALL BE THE RESPONSIBILITY OF THE ARCHITECT AND OR INSPECTOR.
4. DESIGN MIXES SHALL BE AS SPECIFIED IN TITLE 24. CONCRETE STRENGTH AT 28 DAYS SHALL BE AS FOLLOWS : (UNLESS REQUIRED OTHERWISE PER ACI 318-11 TABLE 4.3.1).
   CONCRETE COMPRESSIVE STRENGTH F'C= 3500 PSI
   WATER-CEMENT RATIO SHALL NOT EXCEED 0.60 BY WEIGHT
   PORTLAND CEMENT TYPE I
   NORMAL WEIGHT
5. FORMS SHALL BE SUBSTANTIAL, PLUMB, LEVEL, SQUARE, TRUE TO LINE, WATER TIGHT AND ACCURATE TO THE DIMENSIONS REQUIRED.
6. THE ARCHITECT SHALL APPROVE LOCATION OF:
   a) OPENINGS FOR MECHANICAL AND ELECTRICAL: PROVIDE FOR OPENINGS IN THE CONCRETE WITH THE TRADE(S) INVOLVED AND INSTALL SLEEVES AS MAY BE REQUIRED.
   b) OPENINGS FOR VENT WELLS FOR UNDER FLOOR VENTILATION: PROVIDE FOR ALL OPENINGS IN THE CONCRETE WITH THE TRADE(S) INVOLVED. INSTALL ALL SLEEVES AS MAY BE REQUIRED.
7. VARIANCE IN CONCRETE SLAB SURFACE SHALL BE NO MORE THAN 1/16" IN 10 FEET
8. ALL CEMENT SHALL BE TYPE 1 OR 11 PER ASTM C-150. (UNLESS REQUIRED OTHERWISE PER CBC 1802A.2.3
9. WATER CONTENT SHALL NOT EXCEED 7 1/4 GALLONS PER SACK OF CEMENT (UNLESS REQUIRED OTHERWISE PER ACI 318-11 TABLE 4.3.1)
10. AGGREGATE SHALL BE 3/4" TO 1 1/2" MAXIMUM SIZE BUT NOT MORE THAN 3/4" OF MINIMUM CLEAR BAR SPACING
11. ANCHOR BOLTS, DOWELS, REINFORCING STEEL, AND EMBEDDED ITEMS ARE TO BE SECURELY TIED IN PLACE BEFORE CONCRETE IS POURED "WET-SET" IS NOT ALLOWED.
12. REFER TO ARCHITECTURAL, ELECTRICAL, AND MECHANICAL PLANS FOR SLEEVES, INSERTS CURBS, DEPRESSED AREAS, AND ETC.
13. CONCRETE MIX REQUIRED: CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGN FOR FOOTINGS TO PROFESSIONAL OF RECORD FOR APPROVAL PRIOR TO POURING CONCRETE.

1705A.3.3. WAIVER OF BATCH PLAN INSPECTION.

A. WHEN BATCH PLANT INSPECTION IS WAIVED, THE FOLLOWING REQUIREMENTS SHALL APPLY:

1. QUALIFIED TECHNICIAN OF THE TESTING LABORATORY SHALL CHECK THE FIRST BATCHING AT THE START OF DAY.
2. LICENSED WEIGHMASTER TO POSITIVELY IDENTIFY MATERIALS AS TO QUANTITY AND CERTIFY TO EACH LOAD BY A TICKET.
3. BATCH TICKETS, INCLUDING ACTUAL MATERIAL QUANTITIES AND WEIGHTS SHALL ACCOMPANY THE LOAD AND SHALL BE TRANSMITTED TO THE INSPECTOR OF RECORD BY A TRUCK DRIVER WITH LOAD IDENTIFIED THEREON. THE LOAD SHALL NOT BE PLACED WITHOUT A BATCH TICKET IDENTIFYING THE MIX. THE INSPECTOR WILL KEEP A DAILY RECORD OF PLACEMENTS, IDENTIFYING EACH TRUCK , IT'S LOAD, TIME OF RECEIPT AND APPROXIMATE LOCATION OF DEPOSIT IN THE STRUCTURE AND WILL TRANSMIT A COPY OF THE DAILY RECORD TO THE ENFORCEMENT AGENCY.

REINFORCING STEEL:

1. MATERIAL: ALL REINFORCING STEEL SHALL BE BILLET STEEL PER ASTM A-615 MIN. GRADE 40. EXCEPT #3 ANCHOR REINFORCEMENT SHALL BE GRADE 60.
2. SPLICES: ALL SPLICES SHALL BE LAPPED A MINIMUM 48" #5 BARS AND 30" #4 BARS UNLESS OTHERWISE DETAILED.
3. REINFORCING FABRICATION AND PLACEMENT: FABRICATION AND PLACING OF REINFORCING SHALL CONFORM TO THE "CODE OF STANDARD PRACTICE AND SPECIFICATIONS FOR PLACING REINFORCEMENT OF THE CONCRETE REINFORCING STEEL INSTITUTE".
4. MINIMUM COVERAGE: ALL REINFORCING SHALL HAVE THE FOLLOWING MINIMUM COVERAGE WITH CONCRETE:

LOCATION	AMOUNT
FORMED EARTH	2"
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
WALL-EXPOSED FACE	
#5 OR SMALLER	2"
#6 OR LARGER	2"
WALL-UNEXPOSED FACE	3/4"

STRUCTURAL STEEL:

1. ALL STRUCTURAL STEEL OTHER THAN TUBE AND PIPE COLUMNS SHALL CONFORM TO ASTM A-36.
2. TUBE COLUMNS SHALL CONFORM TO ASTM A500 GRADE B, OR A1085
3. PIPE COLUMNS SHALL CONFORM TO ASTM A501 OR ASTM A53, TYPE E OR S, GRADE B. OR A1085
4. TUBE STEEL USED FOR RAMPS & STAIRS SHALL CONFORM TO ASTM A513 GRADE MT1020 OR BETTER

STEEL FRAME BUILDING/STEEL FRAME CONSTRUCTION SHALL MEET THE MINIMUM DESIGN REQUIREMENTS OF STUD SPACING, ETC. PER LATEST EDITION OF 2013 CALIFORNIA BUILDING CODE. ALL WORK AND MATERIALS SHALL CONFORM TO THE "SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" AND "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES," AMERICAN INSTITUTE OF STEEL CONSTRUCTION: TITLE 24, CCR, AND UNIFORM BUILDING CODE. STRUCTURAL STEEL SHALL BE MADE EITHER THE OPEN-HEARTH OR ELECTRIC FURNACE PROCESS ONLY AND SHALL CONFORM TO THE "SPECIFICATION FOR STRUCTURAL STEEL" ASTM DESIGNATION A36, CURRENT EDITION.

ROOF FRAMING, FLOOR FRAMING, AND WALL FRAMING SHALL BE PER MANUFACTURER'S PC PLANS AND PER APPLICABLE CODES.

ALL STRUCTURAL MEMBERS BELOW THE SUB-FLOOR, IE, GIRDERS, JOISTS, HEADERS, BLOCKING, SHALL BE STEEL. MINIMUM JOIST SPACING SHALL BE PER PLAN.

ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE AISC STANDARD SPECIFICATIONS, THE APPLICABLE REGULATORY AGENCY AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OR LIGHT GAUGE STEEL STRUCTURAL MEMBERS. WELDING: SHALL COMPLY WITH THE PERTINENT PROVISIONS OF THE APPLICABLE REGULATORY AGENCY. ALL WELDING SHALL BE DONE BY OPERATORS WHO ARE QUALIFIED AS PRESCRIBED IN THE "QUALIFICATION PROCEDURE" OF THE AMERICAN WELDING SOCIETY TO PERFORM THE TYPE OF WORK REQUIRED.

STEEL SHALL BE COATED WITH ONE SHOP COAT OF MANUFACTURER'S STANDARD CHASSIS PAINT OR EQUAL

BOLTS:

ALL COMMON BOLTS AND ANCHOR BOLTS SHALL CONFORM TO ASTM A-307.

STRUCTURAL WELDING: SPECIAL INSPECTOR REQUIRED

GENERAL: DURING THE WELDING OF ANY MEMBER OR CONNECTION THAT IS DESIGNED TO RESIST LOADS AND FORCES REQUIRED BY THIS CODE

ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEMS SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT/LBS AT MINUS 20 DEGREES F AS DETERMINED BY AWS CLASSIFICATION OR MANUFACTURER CERTIFICATION.

ALL STRUCTURAL WELDING SHALL BE BY "ELECTRIC ARC PROCESS" PER AWS STANDARD CODE FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION. ALL LIGHT GAUGE STEEL (SHEET STEEL) SHALL BE WELDED PER AWS D1.3. ALL REINFORCING STEEL SHALL BE WELDED WITH LOW HYDROGEN RODS PER AWS D1.4, OR REINFORCING STEEL SHALL CONFORM TO ASTM A-706. ALL SHOP WELDED MUST BE PERFORMED BY "APPROVED" WELDERS IN A SHOP OF A LICENSED FABRICATOR. ALL FIELD WELDING SHALL BE PERFORMED BY "APPROVED" WELDERS. ELECTRODES SHALL BE E70XX FOR STRUCTURAL STEEL AND REBAR AND SHALL BE E60XX FOR LIGHT GAUGE STEEL. ✱(SEE OPTIONAL PROCESS)

THE SPECIAL INSPECTOR NEED NOT BE CONTINUOUSLY PRESENT DURING WELDING OF THE FOLLOWING ITEMS, PROVIDED THE MATERIALS, WELDING PROCEDURES AND QUALIFICATION OF WELDERS ARE VERIFIED PRIOR TO THE START OF WORK: PERIODIC INSPECTIONS ARE MADE OF WORK IN PROGRESS, AND A VISUAL INSPECTION OF ALL WELDS IS MADE PRIOR TO SHIPMENT OF SHOP WELDING.

a) FLOOR AND ROOF DECK WELDING.
b) WELDED STUDS WHEN USED FOR STRUCTURAL DIAPHRAGM OR COMPOSITE SYSTEMS.
c) WELDED SHEET STEEL FOR COLD-FRAMED STEEL FRAMING MEMBERS SUCH AS STUDS AND JOISTS WHICH ARE NOT PART OF AN ORDINARY MOMENT FRAME.
d) SINGLE PASS FILLET WELDS NOT EXCEEDING 5/16".

MATERIAL SHALL BE IDENTIFIED BY MARKING OR STAMPING THE I.D. NUMBER ON STRUCTURAL STEEL COMPONENTS BY LICENSED FABRICATION SHOP.

ALL BUTT, BEVEL, GROOVE, VEE, U AND J WELDS SHALL BE PREQUALIFIED COMPLETE PENETRATION WELDS.

FILLER MATERIAL FOR WELDING: SHIELDED METAL-ARC: AWS A5.1 OR 15.5 E70XX ELECTRODES.

HOLES IN STRUCTURAL STEEL SHALL NOT BE PERMITTED UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS.

STRUCTURAL STEEL SHALL BE THOROUGHLY CLEANED BY SCRAPING OR WIRE BRUSHING AND SHOP PRIMED.

ALL STEEL WORK, INCLUDING WELD AND CONNECTIONS EXCEPT WHERE ENTIRELY ENCASED IN CONCRETE SHALL BE GIVEN ONE COAT OF ACCEPTABLE METAL PROTECTION WELL WORKED INTO JOINTS AND OPEN SPACES.

✱ OPTIONAL USE OF: FCAW PROCESS: E71T-8 FOR STRUCTURAL/REBAR (MEETS ALL CHARPY REQUIREMENTS)
E71T-11 FOR METAL DECKING

COLD-FORMED STEEL FRAMING:
STRUCTURAL LIGHT GAUGE STEEL FRAMING AND ACCESSORIES SHALL BE FABRICATED IN ACCORDANCE WITH ASTM A-1011/A GRADE AS LISTED BELOW, SEE PLAN FOR MINIMUM YIELD.
MATERIAL THICKNESS 0.120" OR LESS: ASTM A-1011/A GRADE 33 (UNO)
MATERIAL THICKNESS 0.135" : ASTM A-1011/A GRADE 40

SHEET STEEL DESIGNATION THICKNESS (INCHES)	MINIMUM DELIVERED THICKNESS (INCHES)
0.018	0.017
0.030	0.029
0.036	0.034
0.048	0.046
0.060	0.057
0.075	0.071
0.105	0.100
0.120	0.114
0.135	0.128

LIGHT GAUGE STEEL STUDS AND TRACKS SHALL COMPLY WITH ASTM A-1003 STRUCTURAL GRADE 33 TYPE H

ALL WELDING SHALL BE IN CONFORMANCE WITH AWS D1.3, "STRUCTURAL WELDING CODE - SHEET STEEL". QUALIFICATION OF WELDERS SHALL BE IN ACCORDANCE WITH AWS D1.1, CHAPTER 5, PART C, "WELDER QUALIFICATIONS".

BOLTS, SCREWS, ETC. EXPOSED TO THE EXTERIOR SHALL BE GALVANIZED

MACHINE BOLTS USED SHALL CONFORM TO SPECIFICATIONS OF ASTM STANDARD A-307.

NTD:
(b) CJP GROOVE WELD NDT
ULTRASONIC TESTING SHALL BE PERFORMED ON 100 PERCENT OF CJP GROOVE WELDS IN MATERIALS 5/16 in. (8mm) THICK OR GREATER. ULTRASONIC TESTING IN MATERIALS LESS THAN 5/16 in. (8 mm) THICK IS NOT REQUIRED. MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25 PERCENT OF ALL BEAM-TO-COLUMN CJP GROOVE WELDS.

WOOD:

FRAMING: ALL FRAMING LUMBER SHALL BE GRADE MARKED BY AN APPROVED GRADING AGENCY AND SHALL BE OF THE FOLLOWING MINIMUM GRADES OR BETTER, PER WCLB RULES #16.
PLATES AND BLOCKING - STANDARD GRADE OR BETTER (DF #2 OR BETTER)
STUDS AND HEADER = DF #2 OR BETTER

SHEATHING:

AMERICAN PLYWOOD ASSOCIATION PS 1-07. EACH SHEET SHALL BE GRADE MARKED BY THE AMERICAN PLYWOOD ASSOCIATION, AND SHALL CONFORM TO THE REQUIREMENTS OF STANDARD GRADE GROUP 1 OR BETTER GRADE STAMPED AND IDENTIFIED UNDER THE PROCEDURES AND QUALIFICATIONS SET FORTH BY PS 1-07.

1. PLYWOOD SUB FLOOR: 1 1/8" T&G UNBLOCKED PLYWOOD. PROVIDE SEAMLESS WOVEN POLYFLEX BOTTOM BOARD FOR MOISTURE PROTECTION
2. OPTIONAL PLYWOOD ROOF DECK: APA RATED 3/4" T&G OSB OR EQUIVALENT RATED SHEATHING WITH APPROVAL FROM DSA
3. EXTERIOR WALL SIDING:
   i. STANDARD: 5/8" DURATEMP OR 5/8" SMART PANEL
   ii. OPTIONAL: 5/8" MDO
   iii. OPTIONAL: 1/2" OSB OR CDX PLYWOOD FOR PLASTER/STUCCO FINISH
4. EXTERIOR WALL SIDING ATTACHMENT:
   FASTENERS USED FOR THE ATTACHMENT OF EXTERIOR WALL COVERINGS SHALL BE HOT-DIPPED GALVANIZED, MECHANICALLY DEPOSITED ZINC-COATED, STAINLESS STEEL, SILICON BRONZE OR COPPER PER CBC SECTION 2304.9.1.1

TREATED WOOD:

ALL WOOD INCLUDING WOOD SHEATHING IN CONTACT WITH CONCRETE OR MASONRY AND LOCATED WITHIN 18" OF EXPOSED EARTH SHALL BE "PRESERVATIVE TREATED" OR SHALL BE "NATURALLY DURABLE" MATERIAL (CBC SECTION 2304.11.2.2).

1. ALL ROUGH LUMBER SHALL BE DF #2 OR BETTER.
2. FASTEN WOOD BESIDES USING SCREWS.
   ALL POWER DRIVEN FASTENERS SHALL BE HILTI FASTENERS ICC# ESR-1663, AND RAMSET POWER DRIVEN FASTENERS (ICC# ESR-1799), OR SIMPSON POWER DRIVEN FASTENERS ICC #ESR-2138, OR OTHER EQUIVALENT PRODUCTS WITH ICC REPORTS AND APPROVED BY DSA.
3. FASTENERS, INCLUDING NUTS AND WASHERS, IN CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE OF HOT-DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER PER CBC 2304.9.5.1

CONTINUOUS INSPECTION:

PROJECT INSPECTOR TO PROVIDE CONTINUOUS FIELD INSPECTION.

IN-PLANT INSPECTOR SHALL PROVIDE CONTINUOUS INSPECTION IN-PLANT

METALS, STRUCTURAL AND MISC. STEEL:

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, AND SERVICES REQUIRED FOR STRUCTURES AND MISCELLANEOUS STEEL AS SPECIFIED AND INDICATED IN THE DRAWINGS.

STEEL SHEETS: STEEL SHEETS FOR LIGHT GAUGE STEEL SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-1011/A, GRADE 40 U.O.N. SHEET METAL GRAVEL STOPS AND FLASHINGS SHALL BE MINIMUM 0.030 THICKNESS AND SHALL BE GALVANIZED.

ERECTION:
ALL STRUCTURAL STEEL SHALL BE ERECTED TRUE, STRAIGHT, PLUMB AND TO ITS DESIGNED LOCATION. TEMPORARY BRACING OR SHORING SHALL BE INSTALLED WHEREVER NECESSARY TO TAKE CARE OF LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED, INCLUDING ERECTION EQUIPMENT AND THE OPERATION OF SAME. CONNECTIONS SHALL BE ADEQUATE TO WITHSTAND STRESSES TO WHICH THEY ARE NORMALLY SUBJECTED. CONNECTIONS SHALL BE STEEL, EXCEPT AS OTHERWISE NOTED. FIELD CONNECTIONS SHALL BE BOLTED OR WELDED AS SHOWN ON THE DRAWINGS.

SHOP PAINT:

* EXPOSED STEEL COATED WITH ONE SHOP COAT OF PRIMER.
* NON-EXPOSED STEEL COATED WITH ON SHOP COAT OF PRIMER.
* ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS.

POWER DRIVEN FASTENERS FOR SILL PLATE, WOOD NAILERS TO STEEL COLUMNS, AND SHEET METAL TO STRUCTURAL STEEL

ALL POWER DRIVEN FASTENERS SHALL BE HILTI FASTENERS ICC# ESR-1663, OR RAMSET POWER DRIVEN FASTENERS (ICC# ESR-1799), OR SIMPSON POWER DRIVEN FASTENERS ICC #ESR-2138, OR OTHER EQUIVALENT PRODUCTS WITH ICC REPORTS AND APPROVED BY DSA.

WOOD ROUGH CARPENTRY:

THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS AND STEPS NECESSARY TO PROTECT ALL COMPLETED, SEMI-COMPLETED, AND TEMPORARY WORK FROM COMMENCEMENT OF PROJECT TO COMPLETE. SEMI-COMPLETION OF SAME ANY PORTION OF THE WORK DAMAGED OR DISFIGURED SHALL BE SATISFACTORILY REPAIRED OR REPLACED AND THE WORK AS A WHOLE LEFT WITHOUT BLEMISH AT FINAL ACCEPTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING ALL NECESSARY MEASUREMENTS AT THE BUILDING, THE ACCURATE FITTING OF ALL WORK AND PROPER ACCOMMODATION OF OTHER TRADES.

DESCRIPTION OF WORK:
THIS SECTION INCLUDES FURNISHING OF ALL LABOR, MATERIAL, TOOLS, EQUIPMENT, TRANSPORTATION, AND FACILITIES TO COMPLETE ROUGH CARPENTRY AS INDICATED IN THE DRAWINGS AND AS SPECIFIED HEREIN.

WORKMANSHIP:
ALL WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE BEST PRACTICE, SHALL BE ACCURATE AS TO MEASUREMENT AND SHALL BE CAREFULLY DONE. PLYWOOD SHEATHING SUBFLOOR SHALL PROVIDE A SMOOTH UNIFORM SURFACE CAPABLE PROPERLY ACCEPTING A CARPET FINISH.

ROOF DIAPHRAGM:
3/4" T&G APA RATED SHEATHING - STRUCTURE 1 EXPOSURE 1
SPAN RATING 48/24 MIN.
FASTEN TO SHEET METAL SUPPORTS W/ #8 x 1 1/4" LG. SELF DRILLING SELF-TAPPING PHILLIPS FLAT-HEAD ZINC COATED TEKS SCREWS AT 4" OC AT BOUNDARIES, 6" OC AT EDGES, AND 12" OC FIELD NAILS. MIN. 3/8" EDGE DISTANCE FOR FASTENERS TO PLYWOOD EDGE PER CBC SECTION 2306.2.
ALTERNATE TO T&G SHEATHING: PANEL EDGE CLIPS (ONE MIDWAY BETWEEN EACH SUPPORT) EQUALLY SPACED BETWEEN SUPPORTS PER TABLE 2304.10.1)

FLOOR DIAPHRAGM:
1 1/8" PLYWOOD - STURD-I-FLOOR
EXTERIOR - TONGUE AND GROOVE EDGES
SPAN RATING: 48"
FASTEN TO SHEET METAL SUPPORTS W/ #8 - 24 x 1 3/4 LG. SELF-DRILLING, SELF-TAPPING PHILLIPS FLAT-HEAD ZINC COATED TEKS SCREWS AT 6" OC AT BOUNDARIES, AT 6" OC AT EDGES, AND 12" OC AT INTERMEDIATE SUPPORTS. MIN. 3/8" EDGE DISTANCE FOR FASTENERS TO PLYWOOD EDGE PER CBC SECTION 2306.2.

@ 150-PSF BLOCKED PER AISI S213-07 TABLE D2-1
FASTEN TO SHEET METAL SUPPORTS W/ #8 - 24 x 1 3/4 LG. SELF-DRILLING, SELF-TAPPING PHILLIPS FLAT-HEAD ZINC-COATED TEKS SCREWS AT 4" O.C. BOUNDARIES + CONT. PANEL EDGES, 6" O.C. @ ALL OTHER PANEL EDGES 12" O.C. INTERMEDIATE.
ALL EDGES OF ALL PANELS SHALL BE ATTACHED TO FRAMING MEMBERS OR STRAPPING
FLAT STRAPPING SHALL BE A MINIMUM THICKNESS OF .33 MILS WITH A MINIMUM WIDTH OF 1.5 INCHES. SCREWS SHALL BE INSTALLED THROUGH THE SHEATHING TO THE BLOCKING.

CONCRETE FLOOR DATA: LIGHTWEIGHT CONCRETE FLOOR
STRENGTH: 3500 PSI or 4000 PSI
TYPE: I OR II
DENSITY: 110 PCF - MAX

DIMENSION LUMBER ATTACHMENT TO STEEL FRAMING:
2 x STUDS AT CORNER STEEL COLUMNS (NAILING STUD)
USE: #10 - 24 x 2 1/2" LG. SELF-DRILLING SELF-TAPPING PHILLIPS FLAT-HEAD WITH WASHER ZINC COATED TEK SCREWS AT 24" O.C.

REFERENCE STANDARDS NOTES:

INTENT OF DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE BUILDING IN ACCORDANCE WITH THE STATE OF CALIFORNIA, CALIFORNIA CODE OF REGULATIONS, PART 1, 2, 3, 4, 5, 6, 9, AND 12, SUB-CHAPTER 1. CALIFORNIA BUILDING CODE, 2013 EDITION, MANUAL OF STEEL CONSTRUCTION, (AISC) 14TH EDITION, AMERICAN WELDING SOCIETY, STRUCTURAL WELDING CODE, AWS D1.1, AMERICAN INSTITUTE OF TIMBER CONSTRUCTION STANDARD, (AITC) 109 ARCHITECTURAL SHEET METAL MANUAL, AIA FILE NO. 12-L (SMACNA) LATEST ADOPTED EDITION UNLESS OTHERWISE NOTED.

WORKMANSHIP:
WORKMANSHIP AND MATERIALS SHALL BE SUCH THAT BUILDING WILL BE WEATHERTIGHT AND WATERTIGHT.

INSPECTIONS:
A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.

CHANGES:
CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR A CONSTRUCTION CHANGE DOCUMENT APPROVED BY THE DIVISION OF THE STATE ARCHITECT AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.

NAILING NOTES:
1. ALL NAILS SHALL BE COMMON UNLESS OTHERWISE NOTED
2. MACHINE APPLIED 16d FASTENERS SHALL HAVE AN EMBEDMENT OF NOT LESS THAN 1 1/2" INTO THE SECOND MEMBER, AND SHALL BE NOT LESS THAN 3" IN OVERALL LENGTH. THE ABOVE NAILS SHALL ALSO BE ACCEPTABLE FOR HAND NAILING, PROVIDED THE REQUIRED EMBEDMENT IS MAINTAINED.

CONNECTION AND FASTENERS:
ALL CONNECTIONS AND FASTENERS AS STATED ON THESE DRAWINGS CAN BE SUBSTITUTED BY AN EQUIVALENT PRODUCT WITH ICC REPORTS AND APPROVAL BY DSA.

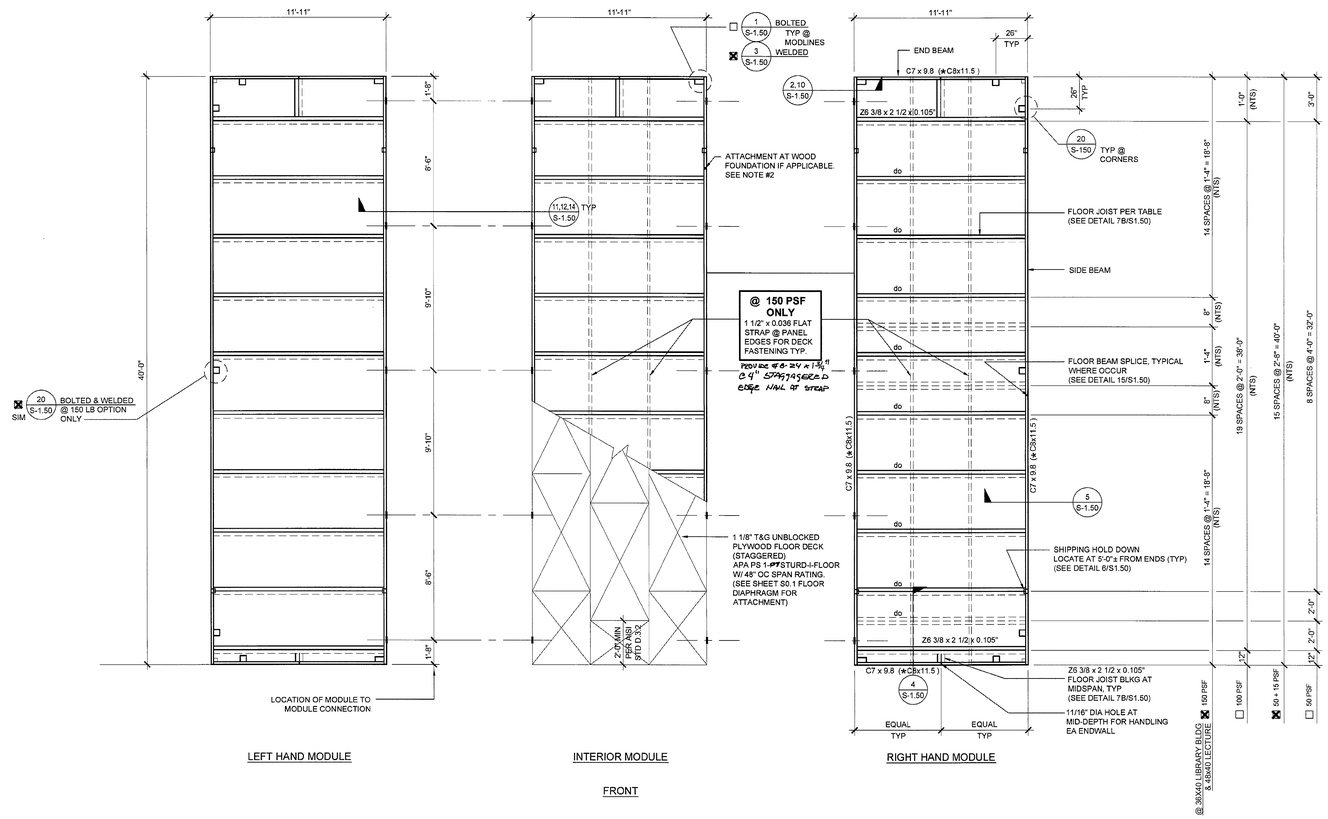
CONNECTION OF LAG SCREWS:
AS REQUIRED PER ANSI / AF&PA NDS-2012, LAG SCREWS MUST BE INSTALLED INTO A PRE-DRILLED PILOT HOLE WITH A STANDARD WASHER AND TURNED WITH A WRENCH. DO NOT DRIVE IN WITH A HAMMER. OVER-TORQUING CAN SIGNIFICANTLY REDUCE THE LATERAL RESISTANCE OF THE LAG SCREW AND SHOULD BE AVOIDED.

FASTENING SCHEDULE CBC - TABLE 2304.9.1

CONNECTION	FASTENING [a,m]	LOCATION
1. JOIST TO SILL OR GIRDER	3 - 8d COMMON 3 - 3" x 0.131" NAILS	TOENAIL
2. BRIDGING TO JOIST	2 - 8d COMMON (2 1/2" x .131") 2 - 3" x 0.31" NAILS	TOENAIL EACH END
3. 1" x 6" SUBFLOOR OR LESS TO EACH JOIST	2 - 8d COMMON (2 1/2" x .131")	FACE NAIL
4. WIDER THAN 1" x 6" SUBFLOOR TO EACH JOIST	3 - 8d COMMON (2 1/2" x .131")	FACE NAIL
5. 2" SUBFLOOR TO JOIST OR GIRDER	2 - 16d COMMON	BLIND AND FACE NAIL
6. SOLE PLATE TO JOIST OR BLOCKING SOLE PLATE TO JOIST OR BLKING AT BRACED WALL PANEL	16d(3 1/2" x .135") AT 16" O.C. 3"x0.131" NAILS AT 8" O.C. 3 - 16d(3 1/2" x .135") AT 16" O.C. 4 - 3"x0.131" NAILS AT 16" O.C.	TYPICAL FACE NAIL BRACED WALL PANELS
7. TOP PLATE TO STUD	2 - 16d COMMON (3 1/2" x 0.162") 3 - 3"x0.031" NAILS	END NAIL
8. STUD TO SOLE PLATE	4 - 8d COMMON (2 1/2"x0.131") 4 - 3"x0.131" NAILS 2 - 16d COMMON (3 1/2"x0.162") 3 - 3"x0.131" NAILS	TOENAIL END NAIL
9. DOUBLE STUDS	16d (3 1/2"x0.135") AT 24" O.C. 3"x0.131" NAILS AT 12" O.C.	FACE NAIL
10. DOUBLE TOP PLATES DOUBLE TOP PLATES	16d (3 1/2"x0.135") AT 16" O.C. 3"x0.131" NAILS AT 12" O.C. 8 - 16d COMMON (3 1/2"x0.162") 12 - 3"x0.131" NAILS	TYPICAL FACE NAIL LAP SPLICE
11. BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	3 - 8d COMMON (2 1/2"x0.131") 3 - 3"x0.131" NAILS	TOENAIL
12. RIM JOIST TO TOP PLATE	8d (2 1/2"x0.131") AT 6" O.C. 3"x0.131" NAIL AT 6" O.C.	TOENAIL
13. TOP PLATES, LAPS, AND INTERSECTIONS	2 - 16d COMMON (3 1/2"x0.162") 3 - 3"x0.131" NAILS	FACE NAIL
14. CONTINUOUS HEADER, TWO PIECES	16d COMMON (3 1/2"x0.162")	16" OC ALONG EDGE
15. CEILING JOISTS TO PLATE	3 - 8d COMMON (2 1/2"x0.131") 5 - 3"x0.131" NAILS	TOENAIL
16. CONTINUOUS HEADER TO STUD	4 - 8d COMMON (2 1/2"x0.131")	TOENAIL
17. CEILING JOISTS, LAPS OVER PARTITIONS (SEE SECTION 2308.10.4.1, TABLE 2308.10.4.1)	3 - 16d COMMON (3 1/2"x0.162") MIN TABLE 2308.10.4.1 4 - 3"x0.131" NAILS	FACE NAIL
18. CEILING JOISTS TO PARALLEL RAFTERS (SEE SECTION 2308.10.4.1, TABLE 2308.10.4.1)	3 - 16d COMMON (3 1/2"x0.162") MIN TABLE 2308.10.4.1 4 - 3"x0.131" NAILS	FACE NAIL
19. RAFTER TO PLATE (SEE SECTION 2308.10.1, TABLE 2308.10.1	3 - 8d COMMON (2 1/2"x0.131") 3 - 3"x0.131" NAILS	FACE NAIL
20. 1" DIAGONAL BRACE TO EACH STUD AND PLATE	2 - 8d COMMON (2 1/2"x0.131") 2 - 3"x0.131" NAILS	FACE NAIL
21. 1" x 8" SHEATHING TO EACH BEARING	3 - 8d COMMON (2 1/2"x0.131")	FACE NAIL
22. WIDER THAN 1" x 8" SHEATHING TO EACH BEARING	3 - 8d COMMON (2 1/2"x0.131")	FACE NAIL
23. BUILT-UP CORNER STUDS	16d COMMON (3 1/2"x0.162") 3"x0.131" NAILS	24" O.C. 16" O.C.
24. BUILT-UP GIRDER AND BEAMS 2 - 20d COMMON (4" x0.192") 3 - 3"x0.131" NAILS	20d COMMON (4"x0.192")32" O.C. 3"x0.131" NAIL AT 24" O.C	FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES FACE NAIL AT ENDS AND AT EACH SPLICE
25. 2" PLANKS	16d COMMON (3 1/2"x0.162")	AT EACH BEARING
26. COLLAR TIE TO RAFTER	3 - 10d COMMON (3"x0.148") 4 - 3"x0.131" NAILS	FACE NAIL
27. JACK RAFTER TO HIP 2 - 16d COMMON (3 1/2"x0.162") 3 - 3"x0.131" NAILS	3 - 10d COMMON (3"x0.148") 4 - 3"x0.131" NAILS	TOE NAIL FACE NAIL
28. ROOF RAFTERS TO 2-BY RIDGE BEAM 2 - 16d COMMON (3 1/2"x0.162") 3 - 3"x0.131" NAILS	2 - 16d COMMON (3 1/2"x0.162") 3 - 3"x0.131" NAILS	TOE NAIL FACE NAIL
29. JOIST TO BAND JOIST	3 - 16d COMMON (3 1/2"x0.162") 4 - 3"x0.131" NAILS	FACE NAIL
30. LEDGER STRIP	3 - 16d COMMON (3 1/2"x0.162") 4 - 3"x0.131" NAILS	FACE NAIL AT EACH JOIST
31. WOOD STRUCTURAL PANELS AND PARTICLEBOARD [b] SUBFLOOR, ROOF AND WALL SHEATHING (TO FRAMING) SINGLE FLOOR (COMBINATION SUBFLOOR-UNDERLAYMENT

NOTE:
* PERIMETER BEAM SHALL BE C8x11.5 FOR OVER 9' COLUMN HEIGHTS AND AT 48" ROOF PARAPET OPTIONS

REAR



LEFT HAND MODULE

INTERIOR MODULE

RIGHT HAND MODULE

FRONT

NOTES:

1. FOR FLOOR BLOCKING SEE DETAILS 4,7B / S-1.50 (STD). 4.7A / S-1.50 (ALT)
2. FOR BUILDINGS ON WOOD FOUNDATION SYSTEMS, PROVIDE 11/16" DIA. HOLE AT BOTTOM FLANGE OF FLOOR BEAM FOR LAG SCREW ATTACHMENT TO FOUNDATION PLATES BELOW. FOR EXACT HOLE LOCATIONS, SEE FOUNDATION PLAN.
3. FLOOR SHEATHING SHALL BE PRESSURE TREATED WOOD OR NATURAL DURABLE IF BOTTOM OF WOOD IS LESS THAN 18" CLEAR FROM TOP OF FINISHED GROUND SURFACE.
4. HSS COLUMN SCHEDULES ON SHEETS S-3.01 THRU S-3.04

FLOOR JOIST TABLE

	LIVE LOAD PSF	JOIST SPACING
☐	50	48"
☒	50 + 15	32"
☐	100	24"
☒	150	16"

@ 36X40 LIBRARY BLDG & 48x40 LECTURE

FLOOR FRAMING PLAN

SCALE: 1/4" = 1' - 0" | 1

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
FLOOR FRAMING PLAN
WOOD FLOOR

TAVARES ASSOCIATES
LICENSED ARCHITECT No. C-33467 REN 01-31-2015 STATE OF CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER No. S3380 STRUCTURAL STATE OF CALIFORNIA
EXP 11-30-2015
04/01/2015

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT NOT FOR CONSTRUCTION A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

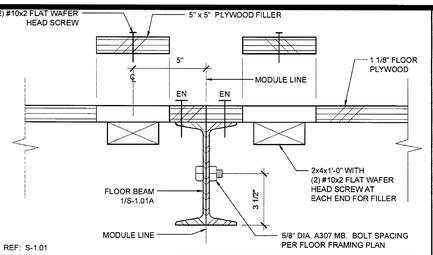
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC. — FLS. SS
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

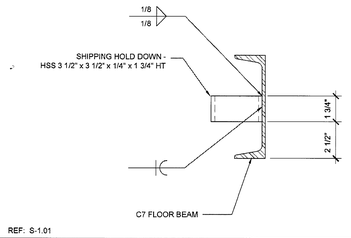
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-10-14

P.C. SHEET NUMBER
S-1.01
- - HIGH SEISMIC - -



REF: S-1.01

16 MODULE LINE - BOLTED CONNECTION SCALE : 3" = 1'-0"

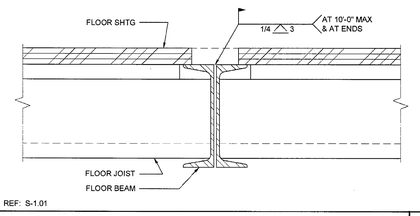


REF: S-1.01

11 SHIPPING HOLD DOWN DETAIL SCALE : 3"=1'-0"

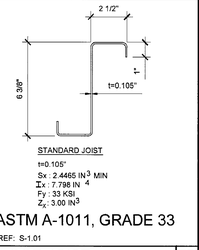
6

1



REF: S-1.01

17 MODULE LINE CONNECTION (OPTION 1) SCALE : 3"=1'-0"



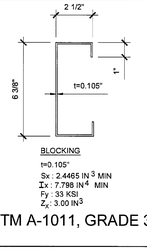
STANDARD JOIST
t=0.105"
Sx : 2.4465 IN^3 MIN
Ix : 7.798 IN^4 MIN
Fy : 33 KSI
Z_x : 3.00 IN^3

ASTM A-1011, GRADE 33

REF: S-1.01

12 FLOOR JOIST SCALE : 3" = 1'-0"

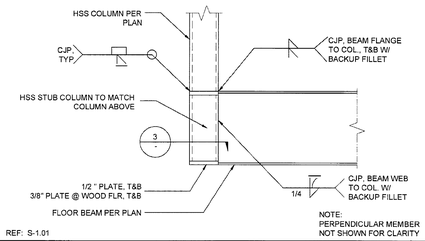
7B



BLOCKING
t=0.105"
Sx : 2.4465 IN^3 MIN
Ix : 7.798 IN^4 MIN
Fy : 33 KSI
Z_x : 3.00 IN^3

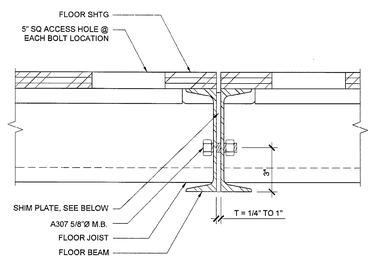
ASTM A-1011, GRADE 33

7A BLOCKING SCALE : 3" = 1'-0"

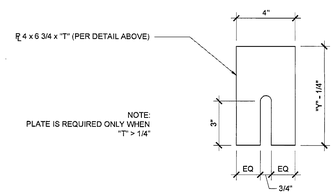


REF: S-1.01

FLOOR BEAM TO COLUMN CONNECTION SCALE : 1 1/2" = 1'-0" 2

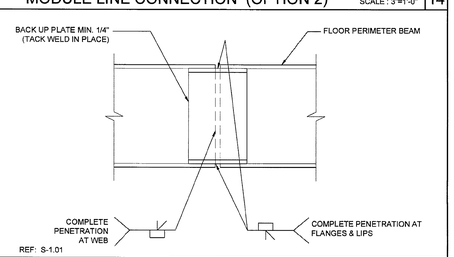


18



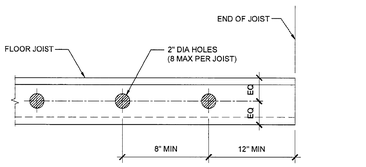
REF: S-1.01

19 MODULE LINE CONNECTION (OPTION 2) SCALE : 3"=1'-0" 14



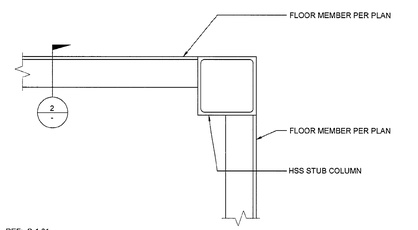
REF: S-1.01

20 FLOOR BEAM SPLICE SCALE : 3" = 1'-0" 15



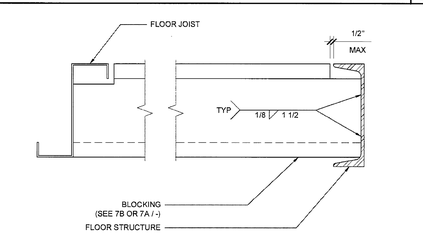
FLOOR JOIST HOLES (OPTIONAL) SCALE : 1/8" = 1'-0" 8

10



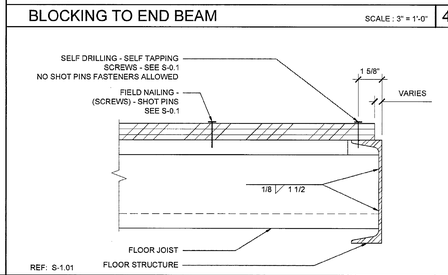
REF: S-1.01

CORNER CONNECTION SCALE : 3" = 1'-0" 3



REF: S-1.01

BLOCKING TO END BEAM SCALE : 3" = 1'-0" 4



REF: S-1.01

5 JOIST TO SIDE BEAM SCALE : 3" = 1'-0"

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
FLOOR FRMING DETILS
WOOD FLOOR

TAVARES ASSOCIATES
STRUCTURAL ENGINEERING CONSULTANTS
1875 N. REVERE ST, SUITE 205
San Diego, CA 92107 619.402.2288
www.tavarespe.com

LICENSED ARCHITECT — No. 33467 — REN 01-31-2015 — STATE OF CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER — No. S3380 — STRUCTURAL — STATE OF CALIFORNIA
04/01/2015

RS1# 14001

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

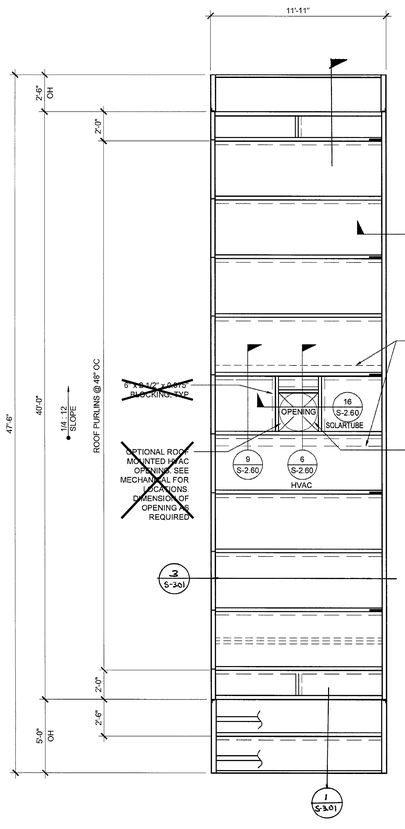
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC. FLS. SS.
DATE APR 1 6 2015

REVISIONS

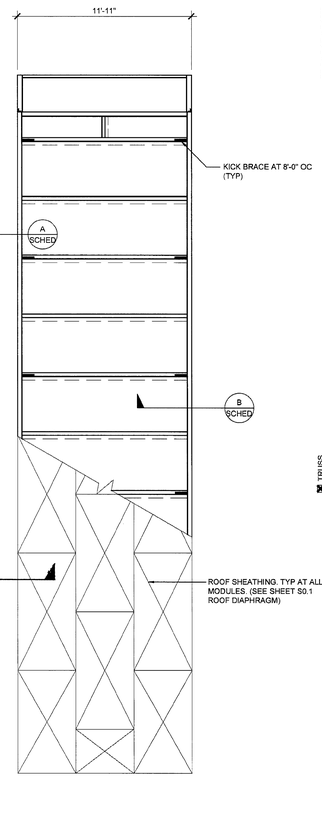
SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	09-10-14

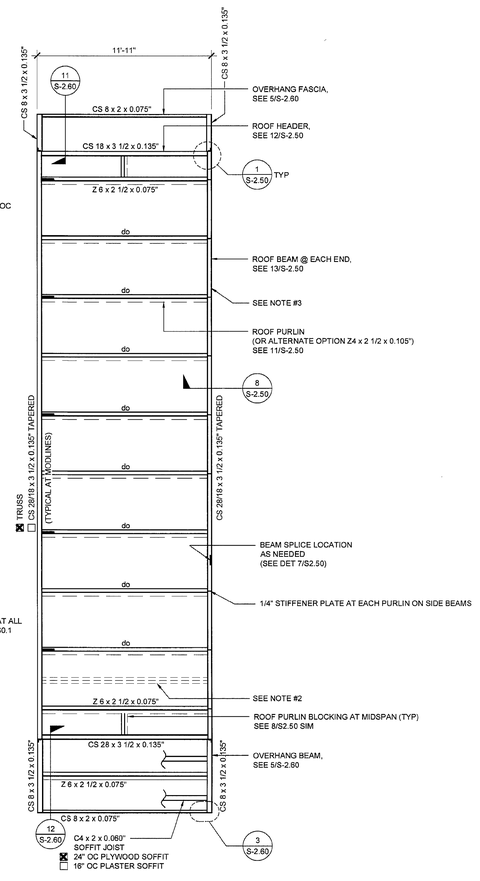
P.C. SHEET NUMBER
S-1.50
- - HIGH SEISMIC - -



LEFT HAND MODULE



INTERIOR MODULE



RIGHT HAND MODULE

NOTES

1. FOR WALL MOUNTED HVAC UNIT, PROVIDE OPENING THROUGH REAR ROOF HEADER WHERE IT OCCURS. SEE FLOOR PLAN FOR HVAC LOCATION. SEE 5.15 / S-2.50 OR 5.15 / /S-2.51 FOR DETAILS.
2. OPTIONAL PURLIN FOR FIRE SPRINKLER LINE AS NEEDED. LOCATION OF FIRE SPRINKLER PURLIN TO BE DETERMINED BY SITE STIFFENER PLATE OR ANGLE BRACE REQUIRED AT THIS LOCATION. FOR FIRE SPRINKLER LINE SIDE BEAM PENETRATION, SEE 14 / S2.50 OR 14 / S2.51 DETAILS
3. FOR OPTIONAL SIDE BEAM OPENING SEE 10, 15/S-2.50 OR 10, 15/S-2.51 FOR DETAILS.

ROOF FRAME SCHEDULE AT MODLINES

- ☒ STANDARD TRUSS
  - "A" SEE DETAIL 7 / S-2.90
  - "B" SEE DETAIL 8 / S-2.90
- ☐ ALTERNATE OPTION - TAPERED ROOF BEAM
  - "A" SEE DETAIL 9 / S-2.50
  - "B" SEE DETAIL 8 / S-2.50

ROOF FRAMING PLAN

SCALE: 1/4" = 1'- 0" | 1

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE, PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
ROOF FRAMING PLAN
0.018", B.U.R., OR TPO
MONO SLOPE

TAVARES ASSOCIATES
STRUCTURAL ENGINEERS
LICENSED ARCHITECT
REN 01-31-2015
REGISTERED PROFESSIONAL ENGINEER
No. S3380
STRUCTURAL
STATE OF CALIFORNIA
04/01/2015
RST# 14001

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE: 2013 CBC
A FURTHER CHECK IS REQUIRED FOR CONSTRUCTION

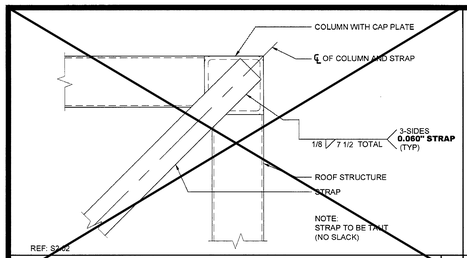
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC FLS SS
DATE APR 14 2015

REVISIONS

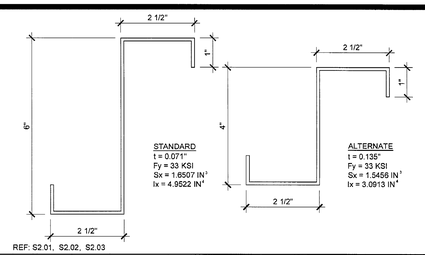
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	09-10-14

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

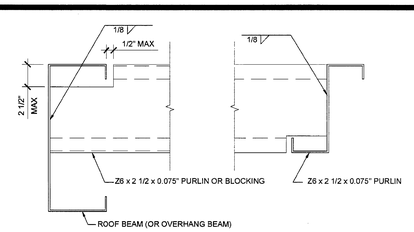
P.C. SHEET NUMBER
S-2.01
- - HIGH SEISMIC - -



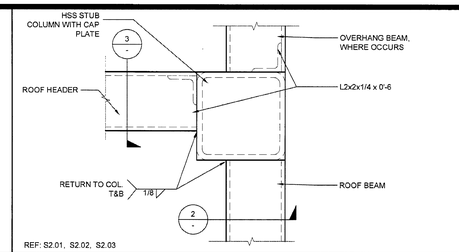
ROOF BRACING STRAP @ END WALL — SCALE : 3"=1'-0" — 16



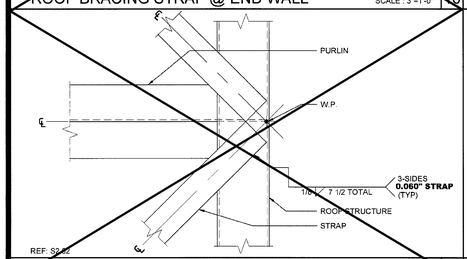
ROOF PURLIN — SCALE : 6"=1'-0" — 11



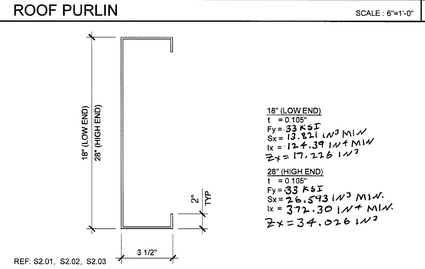
TYPICAL PURLIN CONNECTION DETAIL — SCALE : 3" = 1'-0" — 6



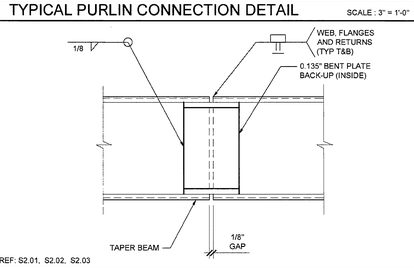
COLUMN AT ROOF - PLAN — SCALE : 3" = 1'-0" — 1



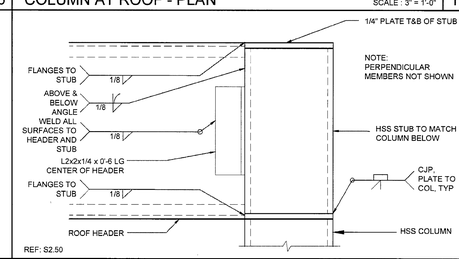
ROOF BRACING STRAP @ SIDE WALL — SCALE : 3"=1'-0" — 17



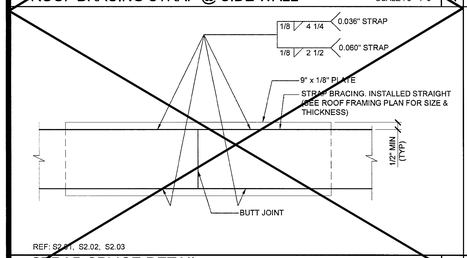
ROOF HEADER — SCALE : NTS — 12



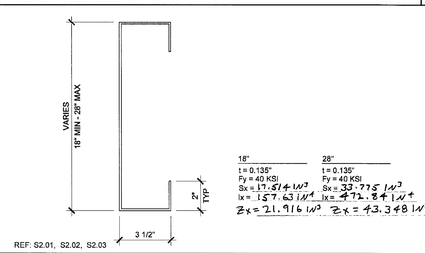
BEAM SPLICE — SCALE : 3" = 1'-0" — 7



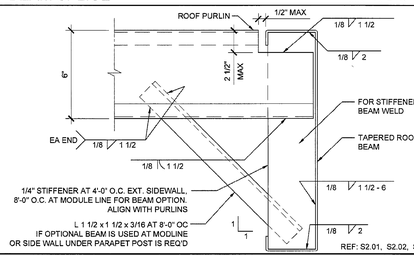
COLUMN AT ROOF - SECTION — SCALE : 3" = 1'-0" — 2



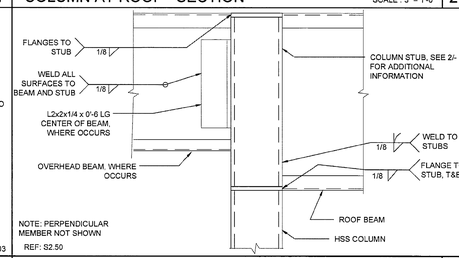
STRAP SPLICE DETAIL — SCALE : 6" = 1'-0" — 18



SIDE BEAM — SCALE : NTS — 13

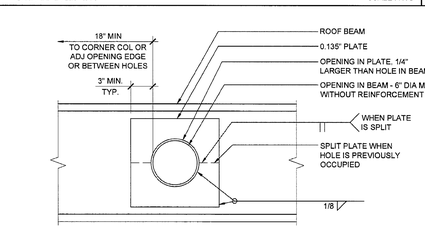


PURLIN TO ROOF BEAM @ STIFFENER — SCALE : 3"=1'-0" — 8

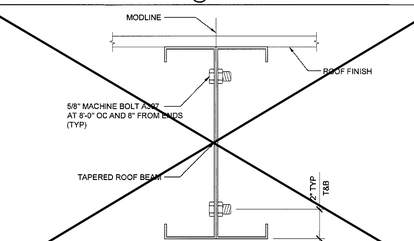


COLUMN AT ROOF OVERHANG — SCALE : 3" = 1'-0" — 3

19

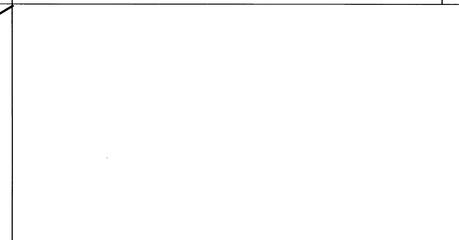


SIDEWALL BEAM PENETRATION — SCALE : 1 1/2"=1'-0" — 14



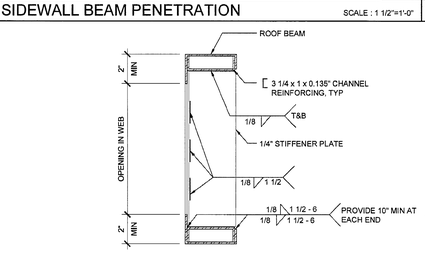
MODULE CONNECTION AT ROOF (OPTION) — SCALE : 3"=1'-0" — 9

4

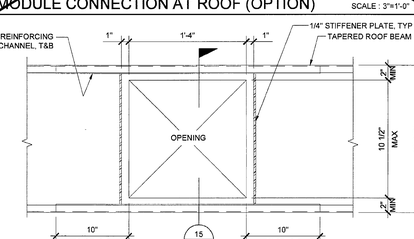


NOT USED

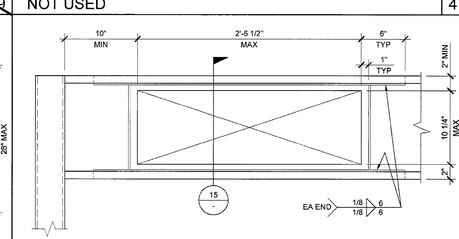
20



WEB OPENING AT ROOF BEAM (OPTION) — SCALE : 3" = 1'-0" — 15



OPENING AT ROOF BEAM (OPTION) — SCALE : 1 1/2" = 1'-0" — 10



OPENING AT HEADER — SCALE : 1 1/2"=1'-0" — 5

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
ROOF FRAMING DETAILS
MONO SLOPE

TAVARES ASSOCIATES
DESIGN & CONSULTING ENGINEERS, INC.
LANTA M. MAVRAKOS PE, MASTER 2005
26632 TOWNE CENTRE DRIVE, SUITE 210
FOOTHILL RANCH, CA 92610 (949) 206-2574
www.tavares.com

LICENSED ARCHITECT — PAUL A. ENTWISTLE — No. C-33467 — REN 01-31-2015 — STATE OF CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER — JAMES M. TAVARES — No. S3360 — STRUCTURAL — STATE OF CALIFORNIA
RS# 1004.01
04/01/2015

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT — NOT FOR CONSTRUCTION — A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

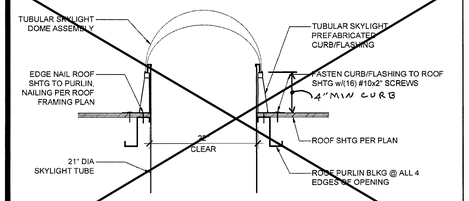
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC FLS SSM
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

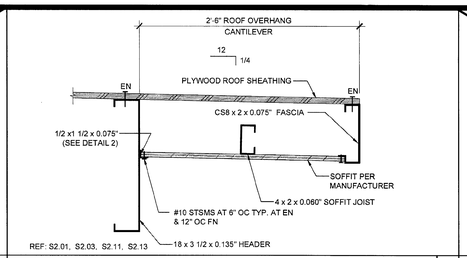
SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	09-10-14

P.C. SHEET NUMBER
S-2.50
- - HIGH SEISMIC - -

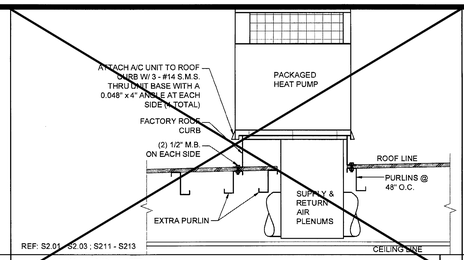


TUBULAR SKYLIGHT SECTION — SCALE : 1" = 1'-0" | 16



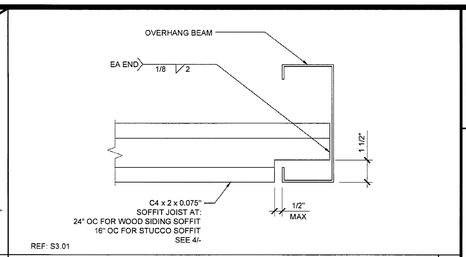
REF: S2.01, S2.03, S2.11, S2.13

REAR OVERHANG SECTION — SCALE : 1 1/2" = 1'-0" | 11



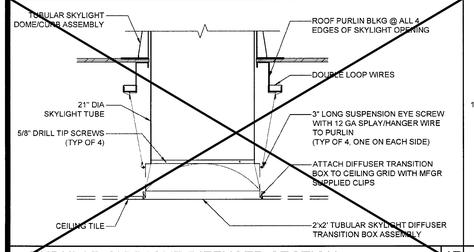
REF: S2.01, S2.03 ; S211 - S213

HVAC CURB ATTACHMENT — SCALE : 3/4" = 1'-0" | 6

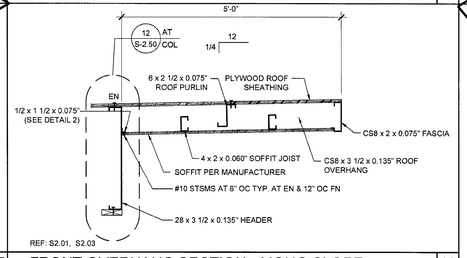


REF: S3.01

SOFFIT JOIST TO OVERHANG BEAM — SCALE : 3"=1'-0" | 1

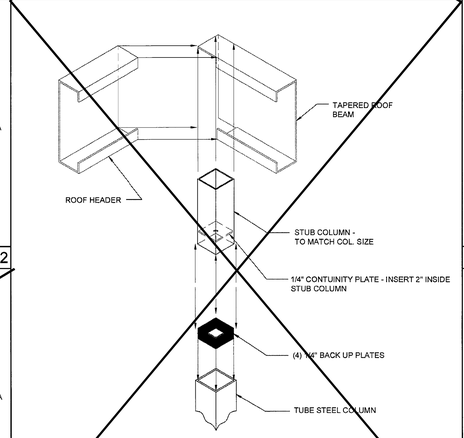


TUBULAR SKYLIGHT DIFFUSER SECTION — SCALE : 1" = 1'-0" | 17



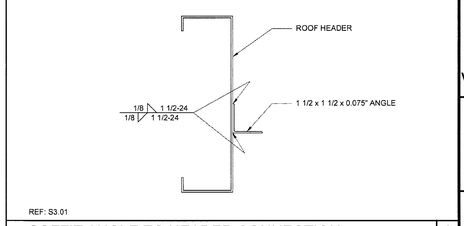
REF: S2.01, S2.03

FRONT OVERHANG SECTION - MONO SLOPE SCALE: 3/4" = 1'-0" | 12



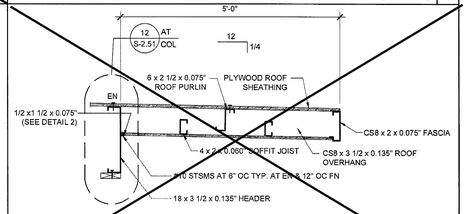
REF: S2.50, S2.51

COLUMN CONNECTION AT ROOF — SCALE : NTS | 8



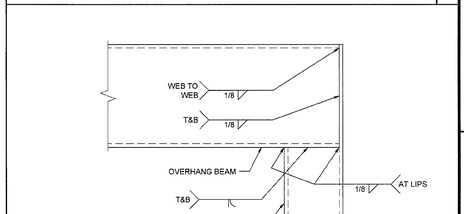
REF: S3.01

SOFFIT ANGLE TO HEADER CONNECTION — SCALE : 3"=1'-0" | 2



REF: S2.01, S2.13

FRONT OVERHANG SECTION - DUAL SLOPE SCALE: 3/4" = 1'-0" | 13

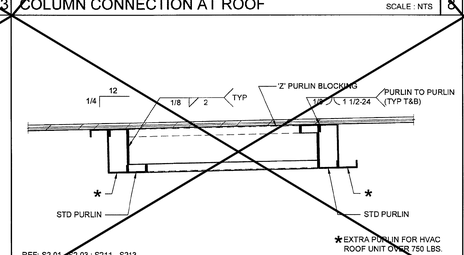


REF: S2.01, S2.03, S2.11, S2.13

OVERHANG FASCIA TO BEAM CONNECTION — SCALE : 6"=1'-0" | 3

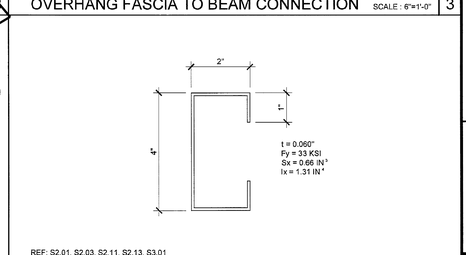
REF: S2.01, S2.12

5'-0" ROOF OVERHANG AT 0.030" ROOF — SCALE : 3"=1'-0" | 19



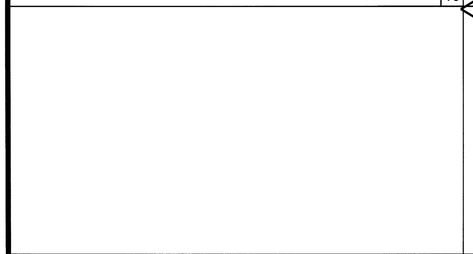
REF: S2.01, S2.03 ; S211 - S213

DOUBLE PURLINS AT HVAC — SCALE : 1 1/2" = 1'-0" | 9



REF: S2.01, S2.03, S2.11, S2.13, S3.01

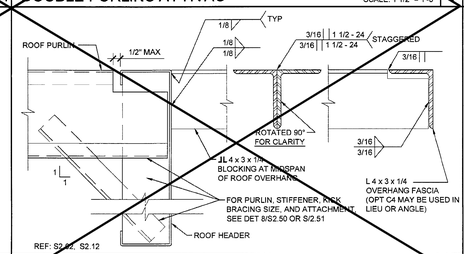
SOFFIT JOIST — SCALE : 6"=1'-0" | 4



REF: S2.01, S2.12

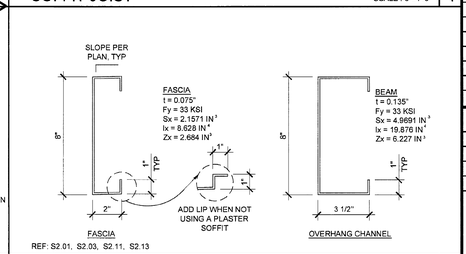
OPTIONAL

5'-0" ROOF OVERHANG AT 0.030" ROOF — SCALE : 3" = 1'-0" | 20



REF: S2.01, S2.12

OVERHANG SUPPORT TO ROOF HDR @ STIFFENER — SCALE : 3"=1'-0" | 10



REF: S2.01, S2.03, S2.11, S2.13

OVERHANG FASCIA & BEAM — SCALE : 3"=1'-0" | 5

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
ROOF FRAMING DETAILS

TAVARES ASSOCIATES
STRUCTURAL ENGINEERING
CARY N. TAVARES, S.E. EXPIRES: 2015
SAN DIEGO, CA 92121 (858) 622-2544
WWW.CTAPLANS.COM
LICENSED ARCHITECT CARY N. TAVARES No. S3380 REN 01-31-2015 STATE OF CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER CARY N. TAVARES No. S3380 STRUCTURAL ISSUE OF CALIFORNIA
RST # 14001

04/01/2015

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

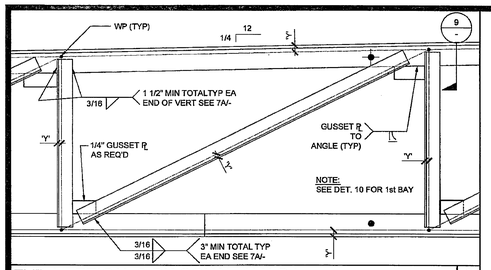
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC ELS SS
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

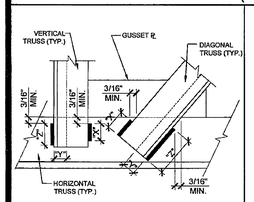
SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-10-14

P.C. SHEET NUMBER
S-2.60
- - HIGH SEISMIC - -



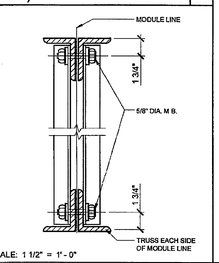
TYP. VERTICAL & DIAGONAL (U.N.O.) SCALE: 1 1/2" = 1' - 0" | 6



"X" = 1/3 OF TOTAL LENGHT OF WELD REQUIRED
"Z" = 2/3 OF TOTAL LENGHT OF WELD REQUIRED

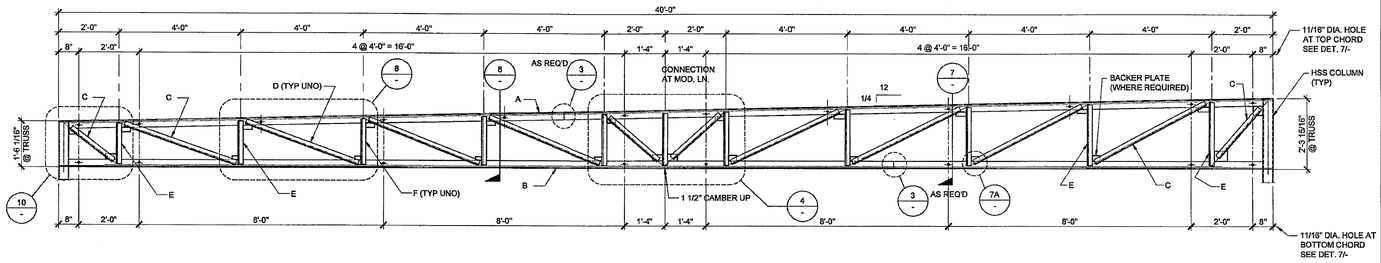
SCALE: N.T.S.

FILLET WELD TERMINATION | 7A



SCALE: 1 1/2" = 1' - 0"

CONNECTION @ MODULE LINE | 7



NOTES:

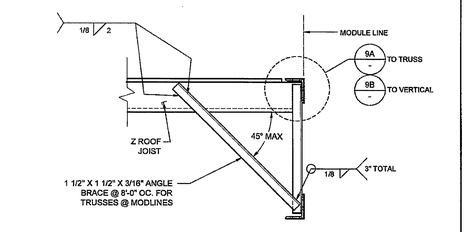
1. ALL STEEL GRADES TO BE A-36 WITH 36 K.S.I. MIN. YEILD
2. REQUIRED ELECTRODES FOR ALL WELDS TO BE E-70
3. VOLTAGE & AMPERAGE SHALL BE PER ELECTRODE MANUFACTURERS SPECIFICATIONS
4. BOLTS AND NUTS GRADES TO BE A307

REF: ROOF FRAMING PLAN

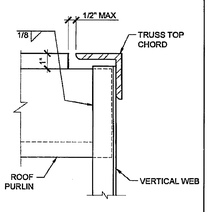
TRUSS MARK:			Y=
A	TOP CHORD	4" x 3" x 1/4" (LLV)	1 1/4
B	BOTTOM CHORD	4" x 3" x 1/4" (LLV)	1 1/4
C	END DIAGONALS (2 EACH END)	2" x 2" x 3/16"	9/16
D	TYPICAL DIAGONALS	1 1/2" x 1 1/2" x 3/16"	7/16
E	END VERTICAL (2 EACH END)	1 1/2" x 1 1/2" x 3/16"	7/16
F	TYPICAL VERTICALS	1 1/2" x 1 1/2" x 3/16"	7/16

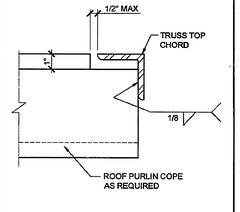
NOTE; "Y" MAY BE 1/4" MAX. OUT OF ALIGNMENT

MONO SLOPE TRUSS SCALE: 1/2" = 1' - 0" | 1



BRACE @ TRUSS & MATING LINE SCALE: 1 1/2" = 1' - 0" | 8

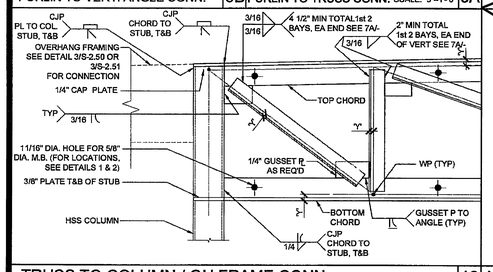




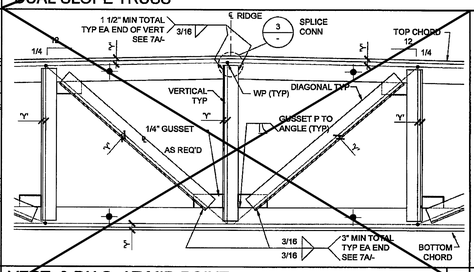
SCALE: 3" = 1' - 0"

PURLIN TO VERT. ANGLE CONN. | 9B

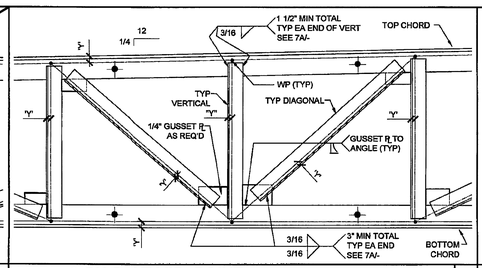
PURLIN TO TRUSS CONN. SCALE: 3"=1'- 0" | 9A



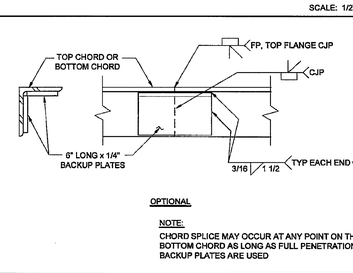
TRUSS TO COLUMN / OH FRAME CONN. SCALE: 1 1/2" = 1' - 0" | 10



VERT. & DIAG. AT MID-POINT SCALE: 1 1/2" = 1' - 0" | 5



VERT. & DIAG. AT MID- POINT SCALE: 1 1/2" = 1' - 0" | 4



OPTIONAL

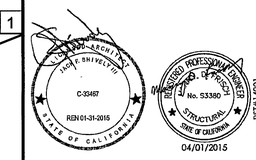
NOTE:
CHORD SPLICE MAY OCCUR AT ANY POINT ON THE TOP OR BOTTOM CHORD AS LONG AS FULL PENETRATION WELD AND BACKUP PLATES ARE USED

TRUSS CHORD SPLICE SCALE: 3" = 1' - 0" | 3

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

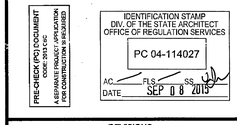
SHEET TITLE:
ROOF FRAMING DETAILS
TRUSS



ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STAMP DATE: 04/01/2015 REVISED



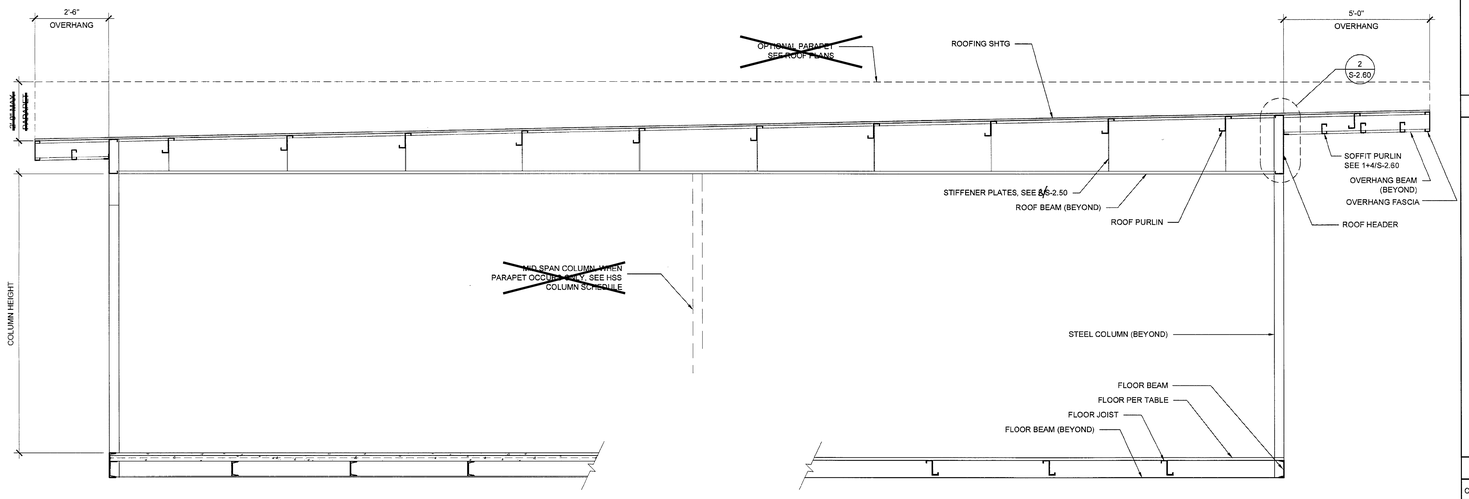
REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
24' x 40' PC

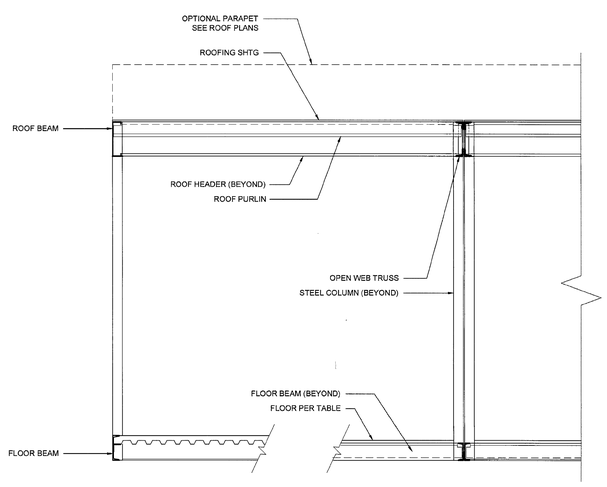
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	09-10-14

P.C. SHEET NUMBER
S-2.90
- - HIGH SEISMIC - -

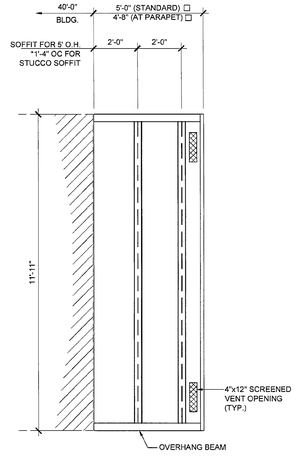
LOCK # [illegible]



BUILDING SECTION — SCALE: 1/2" = 1'-0" | 1



BUILDING SECTION — SCALE: 1/2" = 1'-0" | 3



ENCL. SOFFIT PLAN-OPT. — SCALE: 3/8" = 1'-0" | 2

NOTES

1. ALL INFORMATION SUCH AS DETAILS, SECTIONS, CONNECTIONS, AND MATERIAL ATTACHMENT SHALL BE REFERENCED FROM OTHER SHEETS WITHIN THIS SET WHERE IT APPLIES.

FLOOR CONSTRUCTION

- [x] WOOD FLOOR
- [ ] CONCRETE FLOOR

HSS COLUMN SCHEDULE

COL HT	METAL ROOF	B.U.R OR UP TO 18" PARAPET	UP TO 48" PARAPET
[x] 9'-0"	[x] 5 x 5 x 1/4	[ ] 6 x 6 x 1/4	[x] 6 x 6 x 1/4
[ ] UP TO 10.5'	[ ] 6 x 6 x 1/4	[x] 6 x 6 x 1/4	[x] 6 x 6 x 1/4

FLOOR BEAM
= C7x9.8
= C8x11.5

NOTE: CONCRETE FLOOR REQUIRES C10x15.3 FLOOR BEAMS

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
BUILDING SECTIONS
MONO SLOPE

TAVARES ASSOCIATES
STRUCTURAL ENGINEERING CONSULTING PRINCIPALS
LARRY M. TAVARES, S.E. JOHN A. TAVARES, S.E.
1420 N. BENSON AVE. SUITE 220A
UPLAND, CALIFORNIA 91786
www.tavaresinc.com
LICENSED ARCHITECT — JACK A. SHIVELY — No. C-33407 — REN 01-31-2015 — STATE OF CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER — No. S3380 — STRUCTURAL — STATE OF CALIFORNIA

04/01/2015
ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
1 SET MUST BE KEPT ON JOB SITE
1 SET CONSTRUCTION IS REQUIRED

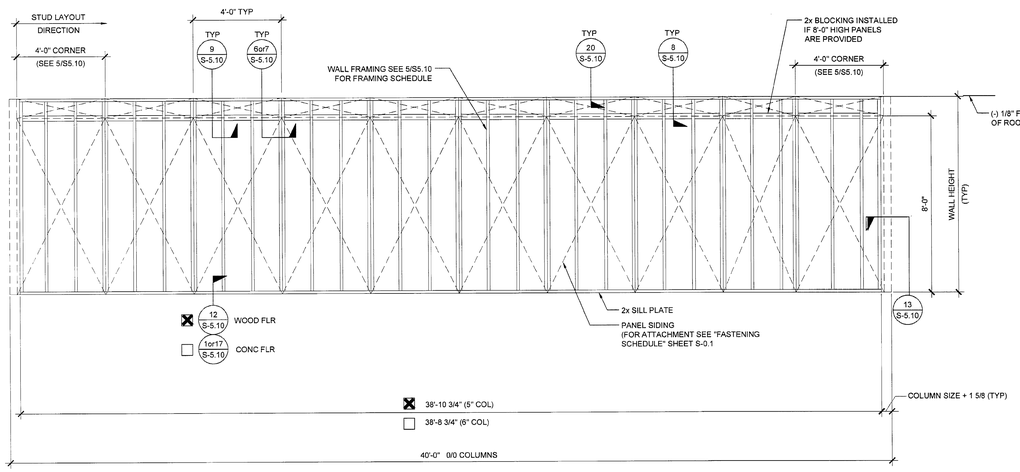
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC. ___ FLS ___ SS ___
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

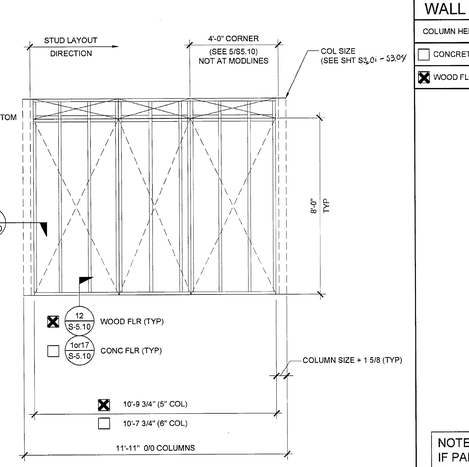
SILVER CREEK INDUSTRIES
24'-x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	09-10-14

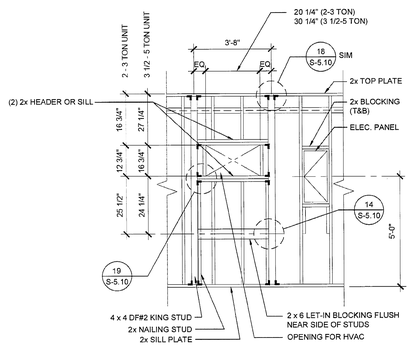
P.C. SHEET NUMBER
S-3.01
- - HIGH SEISMIC - -



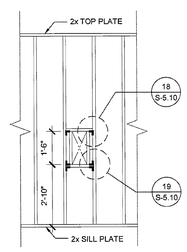
TYPICAL SIDE WALL



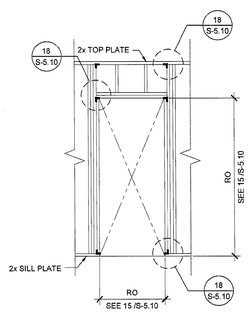
TYPICAL END WALL



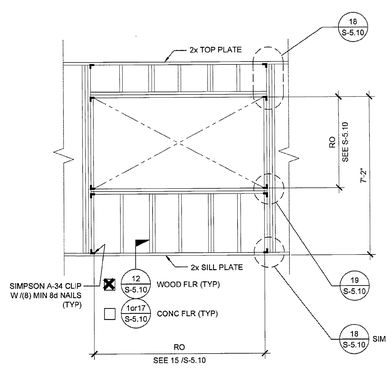
TYPICAL HVAC



FIRE EXTINGUISHER CABINET BLOCKOUT



TYPICAL DOOR



TYPICAL WINDOW

NOTES

WALL HEIGHT SCHEDULE

COLUMN HEIGHT	☒ 9'-0"	☐ 9'-6"	☐ 10'-0"	☐ 10'-6"
☐ CONCRETE FLOOR	8'-11 7/8"	9'-5 7/8"	9'-11 7/8"	10'-5 7/8"
☒ WOOD FLOOR	8'-10 3/4"	9'-4 3/4"	9'-10 3/4"	10'-4 3/4"

NOTE:
IF PARAPET IS USED & HIGHER THAN 18", END WALLS MUST BE 2x6 @ 24" O.C.

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
WALL FRAMING ELEVATIONS
WOOD STUDS

TAVARES ASSOCIATES
STRUCTURAL ENGINEERING & PROJECT MGT
REN 01-31-2015
No. S3380 REGISTERED PROFESSIONAL ENGINEER STRUCTURAL STATE OF CALIFORNIA
RST # 14001
04/01/2015

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE: 2013 CBC
A REPRESENTATIVE OF THE JURISDICTION IS REQUIRED FOR CONSTRUCTION AS REVIEWED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC ELS SS
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

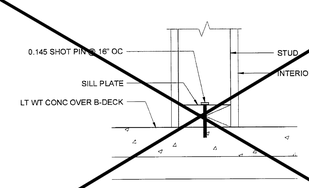
SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	09-10-14

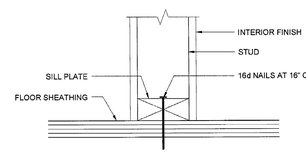
P.C. SHEET NUMBER
S-5.00
- - HIGH SEISMIC - -

FRAMING ELEVATIONS

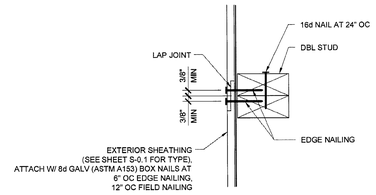
SCALE: 3/8" = 1' - 0" | 1



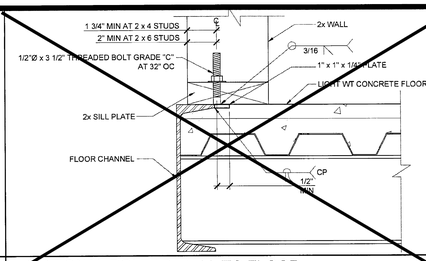
PARTITION CONNECTION AT CONC FLOOR SCALE : 3"=1'-0" 16



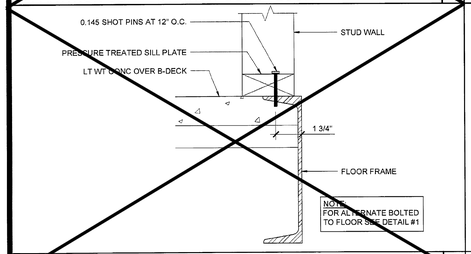
PARTITION CONNECTION AT WOOD FLOOR SCALE : 3"=1'-0" 11



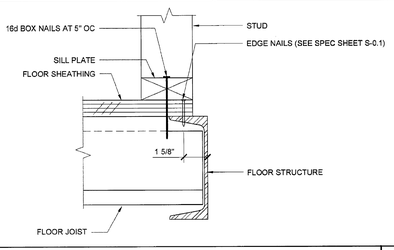
VERTICAL SHEATHING LAP JOINT SCALE : 3"=1'-0" 6



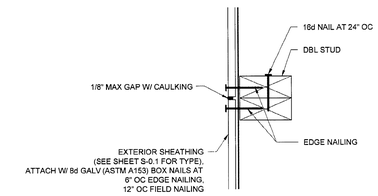
OPTIONAL BOLTED WALL TO FLOOR SCALE : NTS 1



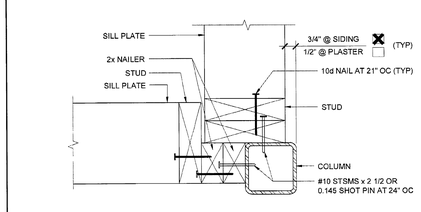
WALL SILL AT CONCRETE FLOOR SCALE : 3"=1'-0" 17



WALL SILL AT WOOD FLOOR SCALE : 3"=1'-0" 12



VERTICAL SHEATHING BUTT JOINT SCALE : 3"=1'-0" 7

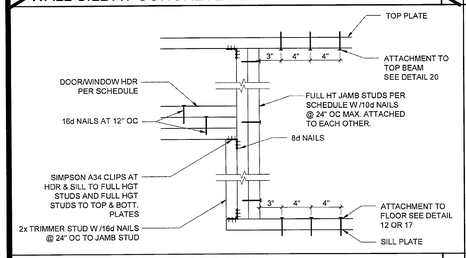


COLUMN AT ENDWALL (2x6) SCALE : 3"=1'-0" 2

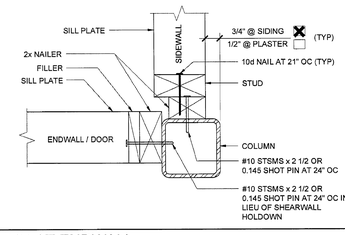
COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER NUMBER	HEADER SIZE	HEADER LUMBER	HEADER TYPE	SILL NUMBER	SILL SIZE	SILL LUMBER	SILL TYPE	FULL HEIGHT KING STUD NUMBER	FULL HEIGHT KING STUD SIZE	FULL HEIGHT KING STUD LUMBER	FULL HEIGHT KING STUD TYPE
LESS THAN 9'-6"	3070	NO PLASTER	(1)	2X4	HF	#2	N/A				(2)	2X4	HF	#2
		NO PLASTER (OPT)	(1)	2X4	DF	#2	N/A				(2)	2X4	DF	#2
	4070	NO PLASTER	(1)	2X4	HF	#2	N/A				(2)	2X4	HF	#2
		NO PLASTER (OPT)	(1)	2X4	DF	#2	N/A				(2)	2X4	DF	#2
	6040	NO PLASTER	(2)	2X4	HF	#2	(2)	2X4	HF	#2	(2)	2X4	HF	#2
		NO PLASTER (OPT)	(2)	2X4	DF	#2	(2)	2X4	DF	#2	(2)	2X4	DF	#2
	8040	NO PLASTER	(2)	2X4	HF	#2	(2)	2X4	HF	#2	(3)	2X4	HF	#2
		NO PLASTER (OPT)	(2)	2X4	DF	#2	(2)	2X4	DF	#2	(2)	2X4	DF	#2

COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER NUMBER	HEADER SIZE	HEADER LUMBER	HEADER TYPE	SILL NUMBER	SILL SIZE	SILL LUMBER	SILL TYPE	FULL HEIGHT KING STUD NUMBER	FULL HEIGHT KING STUD SIZE	FULL HEIGHT KING STUD LUMBER	FULL HEIGHT KING STUD TYPE
9'-6" TO 10'-6"	3070	NO PLASTER	(1)	2X4	HF	#2	N/A				(2)	2X4	HF	#2
		NO PLASTER (OPT)	(1)	2X4	DF	#2	N/A				(2)	2X4	DF	#2
	4070	NO PLASTER	(1)	2X4	HF	#2	N/A				(2)	2X4	HF	#2
		NO PLASTER (OPT)	(1)	2X4	DF	#2	N/A				(2)	2X4	DF	#2
	6040	NO PLASTER	(2)	2X4	HF	#2	(2)	2X4	HF	#2	(3)	2X4	HF	#2
		NO PLASTER (OPT)	(2)	2X4	DF	#2	(2)	2X4	DF	#2	(3)	2X4	DF	#2
	8040	NO PLASTER	(3)	2X4	HF	#2	(3)	2X4	HF	#2	(4)	2X4	HF	#2
		NO PLASTER (OPT)	(3)	2X4	DF	#2	(3)	2X4	DF	#2	(3)	2X4	DF	#2

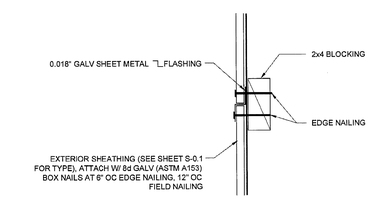
NOTE:
2X4 WALL FRAMING NOT ALLOWED WITH PLASTER WALL FINISH



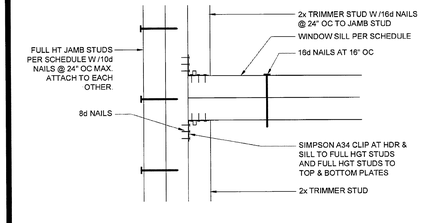
DOOR/WINDOW HEADER AND JAMB SCALE : 1 1/2"=1'-0" 18



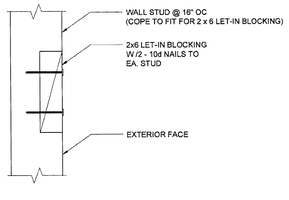
COLUMN AT ENDWALL SCALE : 3"=1'-0" 13



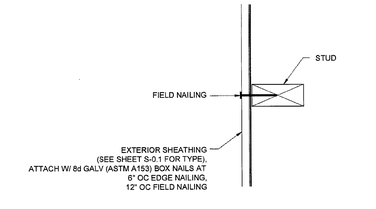
HORIZONTAL SHEATHING JOINT SCALE : 3"=1'-0" 8



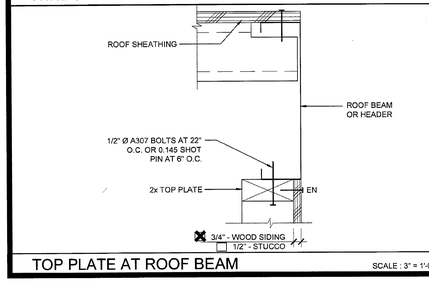
WINDOW SILL AND JAMB SCALE : 3"=1'-0" 19



LET-IN BLOCK ATTACHMENT SCALE : 3"=1'-0" 14



SECTION AT SHEATHING TO STUD ATTACHMENT SCALE : 3"=1'-0" 9



TOP PLATE AT ROOF BEAM SCALE : 3" = 1'-0" 20

DOOR	WINDOW	STANDARD		WELDED FRAME	
2070		26"	85"	28 1/4"	86 1/4"
3070		38"	85"	40 1/4"	86 1/4"
4070		50"	85"	52 1/4"	86 1/4"
6070		74"	85"	76 1/4"	86 1/4"
	4040	47 3/4"	47 5/8"	52 1/4"	52 1/4"
	6040	71 3/4"	47 5/8"	76 1/4"	52 1/4"
	8040	95 3/4"	47 5/8"	100 1/4"	52 1/4"
	6020	71 3/4"	23 5/8"	76 1/4"	28 1/4"
	6020	95 3/4"	23 5/8"	100 1/4"	28 1/4"

ROUGH OPENING SCHEDULE 15

COLUMN AT ENDWALL (2x8) SCALE : 3"=1'-0" 10

WALL FRAMING SCHEDULE - 100 MPH 5

COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING NUMBER	SIZE	LUMBER	TYPE	OC	4" CORNER OF WOOD WALL FRAMING (ZONE 5) NUMBER	SIZE	LUMBER	TYPE	OC
LESS THAN 9'-6"	NO PLASTER	(1)	2X4	HF	#2	16" OC	(1)	2X4	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X4	DF	#2	16" OC	(1)	2X4	DF	#2	16" OC
9'-6" TO 10'-6"	NO PLASTER	(1)	2X4	HF	#2	16" OC	(1)	2X4	HF	#2	12" OC
	NO PLASTER (OPT)	(1)	2X4	DF	#2	16" OC	(1)	2X4	DF	#2	16" OC

NOTE:
2X4 WALL FRAMING NOT ALLOWED WITH PLASTER WALL FINISH

OPENING STUDS SCHEDULE 4

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
WALL FRAMING DETAILS
WOOD STUDS

RS TAVARES ASSOCIATES
STRUCTURAL ENGINEERING CONSULTANTS
LANTE W. BERNARDO DR., SUITE 205
San Diego, CA 92127 858-674-8000
www.tavarespe.com

LICENSED ARCHITECT
Ryan S. Tavares
No. C-30487
REN 01-31-2015
STATE OF CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER
Ryan S. Tavares
No. 53380
STRUCTURAL
STATE OF CALIFORNIA
04/01/2015
RST # 14001

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
IS NOT VALID FOR CONSTRUCTION
FOR CONSTRUCTION IS REQUIRED

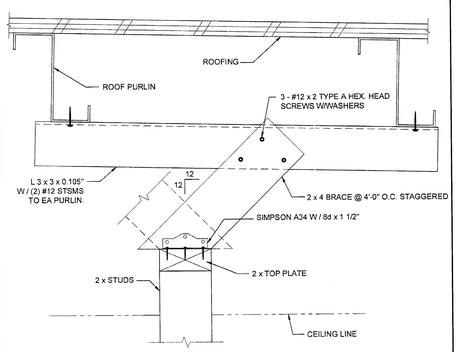
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC___ FLS___ SS
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-10-14

P.C. SHEET NUMBER
S-5.10
- - HIGH SEISMIC - -



INTERIOR PARTITION

SCALE : 3" = 1'-0" 14

COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER NUMBER **	HEADER SIZE **	HEADER LUMBER	HEADER TYPE	SILL NUMBER **	SILL SIZE **	SILL LUMBER	SILL TYPE	FULL HEIGHT KING STUD NUMBER **	FULL HEIGHT KING STUD SIZE **	FULL HEIGHT KING STUD LUMBER	FULL HEIGHT KING STUD TYPE
LESS THAN 9'-6"	3070	NO PLASTER	(1)	2X6	HF	#2		N/A			(1)	2X6	HF	#2
		NO PLASTER (OPT)	(1)	2X6	DF	#2		N/A			(1)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	HF	#2		N/A			(2)	2X6	HF	#2
		W/ PLASTER (OPT)	(1)	2X6	DF	#2		N/A			(1)	2X6	DF	#2
	4070	NO PLASTER	(1)	2X6	HF	#2		N/A			(1)	2X6	HF	#2
		NO PLASTER (OPT)	(1)	2X6	DF	#2		N/A			(1)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	HF	#2		N/A			(2)	2X6	HF	#2
		W/ PLASTER (OPT)	(1)	2X6	DF	#2		N/A			(1)	2X6	DF	#2
	6040	NO PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		NO PLASTER (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(1)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		W/ PLASTER (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
	8040	NO PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		NO PLASTER (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
		W/ PLASTER	(2)	2X6	HF	#2	(2)	2X6	HF	#2	(2)	2X6	HF	#3
		W/ PLASTER (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2

COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER NUMBER **	HEADER SIZE **	HEADER LUMBER	HEADER TYPE	SILL NUMBER **	SILL SIZE **	SILL LUMBER	SILL TYPE	FULL HEIGHT KING STUD NUMBER **	FULL HEIGHT KING STUD SIZE **	FULL HEIGHT KING STUD LUMBER	FULL HEIGHT KING STUD TYPE
9'-6" TO 10'-6"	3070	NO PLASTER	(1)	2X6	HF	#2		N/A			(1)	2X6	HF	#2
		NO PLASTER (OPT)	(1)	2X6	DF	#2		N/A			(1)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	HF	#2		N/A			(2)	2X6	HF	#2
		W/ PLASTER (OPT)	(1)	2X6	DF	#2		N/A			(2)	2X6	DF	#2
	4070	NO PLASTER	(1)	2X6	HF	#2		N/A			(1)	2X6	HF	#2
		NO PLASTER (OPT)	(1)	2X6	DF	#2		N/A			(1)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	HF	#2		N/A			(2)	2X6	HF	#2
		W/ PLASTER (OPT)	(1)	2X6	DF	#2		N/A			(2)	2X6	DF	#2
	6040	NO PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		NO PLASTER (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		W/ PLASTER (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
	8040	NO PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		NO PLASTER (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
		W/ PLASTER	(2)	2X6	HF	#2	(2)	2X6	HF	#2	(3)	2X6	HF	#2
		W/ PLASTER (OPT)	(2)	2X6	DF	#2	(2)	2X6	DF	#2	(2)	2X6	DF	#2

**2x6 AND 2x8 STUD OPTIONS MAY BE SUBSTITUTED IN LIEU OF 2x4 - NUMBER OF STUDS DO NOT CHANGE AND SHALL REMAIN THE SAME AS SHOWN ON SCHEDULE. SEE DETAILS 2 OR 10/-

2x6 OPENING STUDS SCHEDULE

19

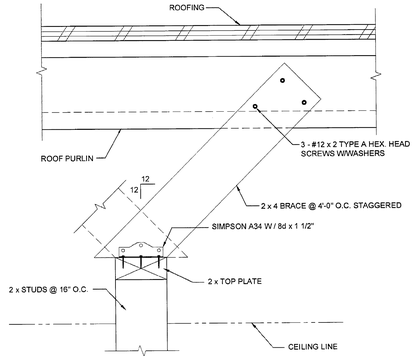
COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING NUMBER **	WOOD WALL FRAMING SIZE **	WOOD WALL FRAMING LUMBER	WOOD WALL FRAMING TYPE	WOOD WALL FRAMING OC	4" CORNER OF WOOD WALL FRAMING (ZONE 5) NUMBER **	4" CORNER OF WOOD WALL FRAMING (ZONE 5) SIZE **	4" CORNER OF WOOD WALL FRAMING (ZONE 5) LUMBER	4" CORNER OF WOOD WALL FRAMING (ZONE 5) TYPE	4" CORNER OF WOOD WALL FRAMING (ZONE 5) OC
LESS THAN 9'-6"	NO PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC
	W/ PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	W/ PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X6	DF	#2	16" OC
9'-6" TO 10'-6"	NO PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X6	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X6	DF	#2	16" OC
	W/ PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X6	HF	#2	16" OC
	W/ PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X6	DF	#2	16" OC

**2x6 AND 2x8 STUD OPTIONS MAY BE SUBSTITUTED IN LIEU OF 2x4 - NUMBER OF STUDS DO NOT CHANGE AND SHALL REMAIN THE SAME AS SHOWN ON SCHEDULE.

NOTE: 2x6 & 2x8 SPACING MAY BE 24" O.C. OPTIONAL

2x6 WALL FRAMING SCHEDULE

20



INTERIOR PARTITION

SCALE : 3" = 1'-0" 12

COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER NUMBER **	HEADER SIZE **	HEADER LUMBER	HEADER TYPE	SILL NUMBER **	SILL SIZE **	SILL LUMBER	SILL TYPE	FULL HEIGHT KING STUD NUMBER **	FULL HEIGHT KING STUD SIZE **	FULL HEIGHT KING STUD LUMBER	FULL HEIGHT KING STUD TYPE
LESS THAN 9'-6"	3070	NO PLASTER	(1)	2X8	HF	#2		N/A			(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2		N/A			(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	HF	#2		N/A			(1)	2X8	HF	#2
		W/ PLASTER (OPT)	(1)	2X8	DF	#2		N/A			(1)	2X8	DF	#2
	4070	NO PLASTER	(1)	2X8	HF	#2		N/A			(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2		N/A			(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	HF	#2		N/A			(1)	2X8	HF	#2
		W/ PLASTER (OPT)	(1)	2X8	DF	#2		N/A			(1)	2X8	DF	#2
	6040	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		W/ PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
	8040	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		W/ PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2

COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER NUMBER **	HEADER SIZE **	HEADER LUMBER	HEADER TYPE	SILL NUMBER **	SILL SIZE **	SILL LUMBER	SILL TYPE	FULL HEIGHT KING STUD NUMBER **	FULL HEIGHT KING STUD SIZE **	FULL HEIGHT KING STUD LUMBER	FULL HEIGHT KING STUD TYPE
9'-6" TO 10'-6"	3070	NO PLASTER	(1)	2X8	HF	#2		N/A			(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2		N/A			(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	HF	#2		N/A			(1)	2X8	HF	#2
		W/ PLASTER (OPT)	(1)	2X8	DF	#2		N/A			(1)	2X8	DF	#2
	4070	NO PLASTER	(1)	2X8	HF	#2		N/A			(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2		N/A			(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	HF	#2		N/A			(1)	2X8	HF	#2
		W/ PLASTER (OPT)	(1)	2X8	DF	#2		N/A			(1)	2X8	DF	#2
	6040	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		W/ PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
	8040	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(2)	2X8	HF	#2
		W/ PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2

**2x6 AND 2x8 STUD OPTIONS MAY BE SUBSTITUTED IN LIEU OF 2x4 - NUMBER OF STUDS DO NOT CHANGE AND SHALL REMAIN THE SAME AS SHOWN ON SCHEDULE. SEE DETAILS 2 OR 10/-

2x8 OPENING STUDS SCHEDULE

14

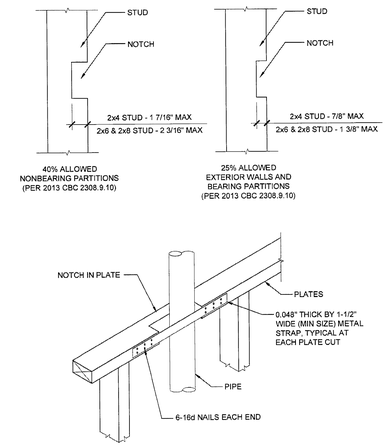
COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING NUMBER **	WOOD WALL FRAMING SIZE **	WOOD WALL FRAMING LUMBER	WOOD WALL FRAMING TYPE	WOOD WALL FRAMING OC	4" CORNER OF WOOD WALL FRAMING (ZONE 5) NUMBER **	4" CORNER OF WOOD WALL FRAMING (ZONE 5) SIZE **	4" CORNER OF WOOD WALL FRAMING (ZONE 5) LUMBER	4" CORNER OF WOOD WALL FRAMING (ZONE 5) TYPE	4" CORNER OF WOOD WALL FRAMING (ZONE 5) OC
LESS THAN 9'-6"	NO PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC
	W/ PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	W/ PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC
9'-6" TO 10'-6"	NO PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC
	W/ PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	W/ PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC

**2x6 AND 2x8 STUD OPTIONS MAY BE SUBSTITUTED IN LIEU OF 2x4 - NUMBER OF STUDS DO NOT CHANGE AND SHALL REMAIN THE SAME AS SHOWN ON SCHEDULE.

NOTE: 2x6 & 2x8 SPACING MAY BE 24" O.C. OPTIONAL

2x8 WALL FRAMING SCHEDULE

15

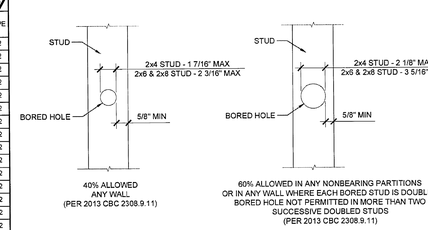


CUTTING AND NOTCHING

SCALE : 1 1/2" = 1'-0" 7

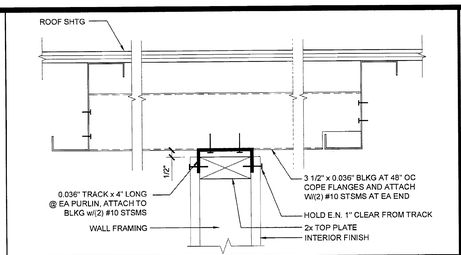
NOT USED

9



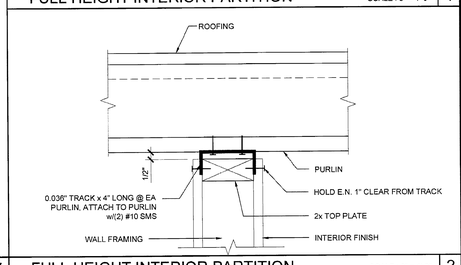
BORED HOLES

SCALE : 1 1/2" = 1'-0" 8



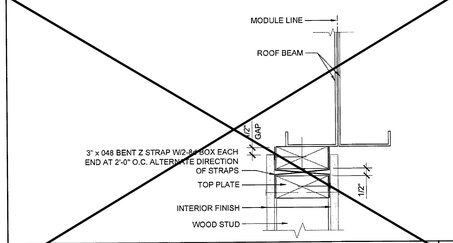
FULL HEIGHT INTERIOR PARTITION

SCALE : 3" = 1'-0" 1



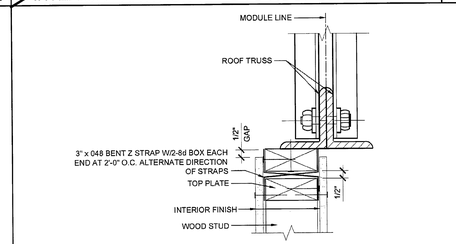
FULL HEIGHT INTERIOR PARTITION

SCALE : 3" = 1'-0" 2



INTERIOR PARTITION WALL TO ROOF BEAM

SCALE : 3"=1'-0" 3



NOT USED

10

INTERIOR PARTITION WALL TO ROOF TRUSS

SCALE : 3"=1'-0" 4

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
WALL FRAMING DETAILS
WOOD STUDS

TAVARES ASSOCIATES
LICENSED ARCHITECT — RENEWAL 01-31-2015 — REN 01-31-2015 — STATE OF CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER — No. S3380 — STRUCTURAL — STATE OF CALIFORNIA
04/01/2015

KST # 14001

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

FIRE CHECK (FC) DOCUMENT CODE: 2013 CBC
IS EFFECTIVE ON THE DATE OF FOR CONSTRUCTION IS REQUIRED

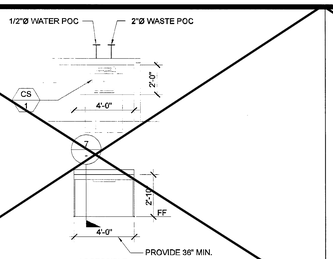
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC ___ FLS. ___ SS LW
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

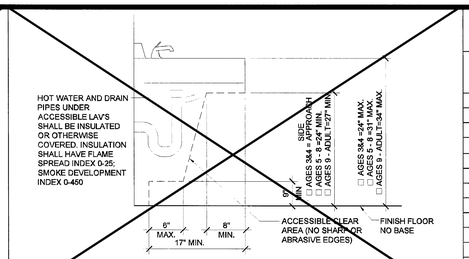
SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-10-14

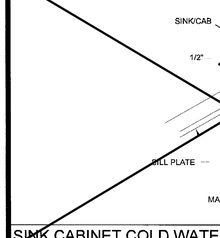
P.C. SHEET NUMBER
S-5.11
- - HIGH SEISMIC - -



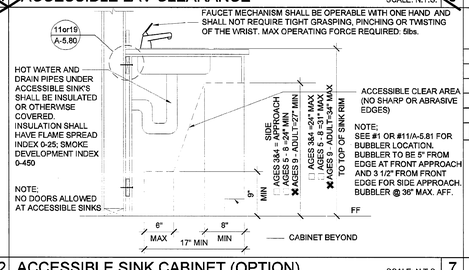
TYPICAL SINK CABINET | 11



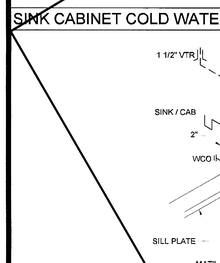
ACCESSIBLE LAV CLEARANCE | SCALE: N.T.S. | 6



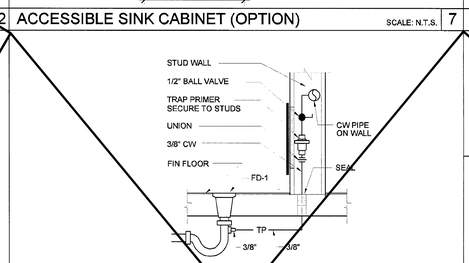
SINK CABINET COLD WATER SUPPLY | SCALE: N.T.S. | 12



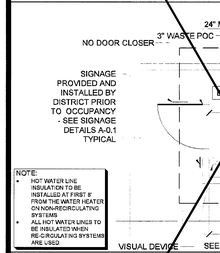
ACCESSIBLE SINK CABINET (OPTION) | SCALE: N.T.S. | 7



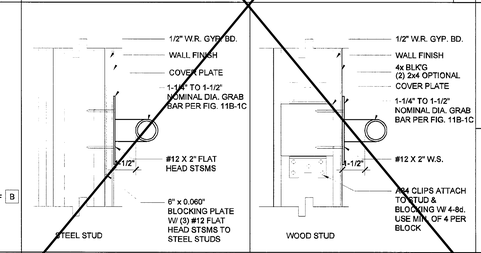
SINK CABINET WASTE | 13



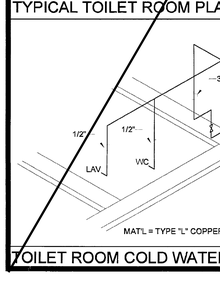
TRAP PRIMER TO FLOOR DRAIN | SCALE: N.T.S. | 8



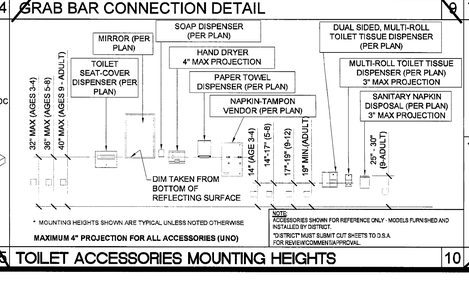
TYPICAL TOILET ROOM PLAN | 14



GRAB BAR CONNECTION DETAIL | 9



TOILET ROOM COLD WATER SUPPLY AND WASTE | 15



TOILET ACCESSORIES MOUNTING HEIGHTS | 10

THE DIVISION OF THE STATE ARCHITECT, OFFICE OF REGULATION SERVICES ACCEPTS THE FOLLOWING DIMENSIONS AS ADEQUATELY SERVING THE NEEDS OF CHILDREN IN PROJECTS UNDER THEIR JURISDICTION. THESE DIMENSIONS ARE BASED ON CBC TABLE 11B-604.9 SUGGESTED DIMENSIONS FOR WATER CLOSETS SERVING CHILDREN AGES 3 TO 12.

ACCESSIBILITY DIMENSIONS	11B-604.9 SUGGESTED DIMS			
	ADULT	AGES 9 THROUGH 12	AGES 5 THROUGH 8	AGES 3 AND 4
TOILET CENTERING FROM WALL	17" - 18"	15" - 18"	12" - 15"	12"
TOILET SEAT HEIGHT (DIM TO TOP OF SEAT)	17" - 19"	15" - 17"	12" - 15"	11" - 13"
GRAB BAR HEIGHT (TO TOP)	33" - 36"	25" - 27"	20" - 25"	18" - 20"
TOILET PAPER IN FRONT OF TOILET	7" - 9"	7" - 9"	7" - 9"	7" - 9"
NAPKIN DISPOSAL IN FRONT OF TOILET	12" MAX.	12" MAX.	N/A	N/A
MIRROR HEIGHT (TO BOTTOM OF GLASS)	40" MAX.	40" MAX.	36" MAX.	32" MAX.
DISPENSER HEIGHT	19" MIN.	17" - 19"	14" - 17"	14"
LAVATORY/SINK TOP HEIGHT	34" MAX.	34" MAX.	31" MAX.	24" MAX.
LAVATORY/SINK KNEE CLEARANCE	27" MIN.	27" MIN.	24" MIN.	SIDE APPROACH
URINAL LIP HEIGHT	17" MAX.	17" MAX.	15" MAX.	13" MIN.
URINAL FLUSH HANDLE HEIGHT	44" MAX.	44" MAX.	37" MAX. *	32" MAX. *
DRINKING FOUNTAIN BUBBLER HT. (LOW)	36" MAX.	30" MAX.	30" MAX.	30" MAX.
DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN.	SIDE APPROACH	SIDE APPROACH	SIDE APPROACH
RAMP/STAIR HANDRAIL HEIGHT (TO TOP)	34" - 38"	34" - 38"	34" - 38"	34" - 38"

STANDARD DIMENSIONS	ALTERNATE HEIGHT (DIMS)			
	ADULT	AGES 9 THROUGH 12	AGES 5 THROUGH 8	AGES 3 AND 4
TOILET CENTERING FROM WALL/PARTITION	15" MIN	15" MIN	15" MIN	15" MIN
TOILET SEAT HEIGHT/DIM TO TOP OF SEAT	15"	15"	15"	15"
TOILET CLEARANCE/FRONT	24"	24"	24"	24"
URINAL LIP HEIGHT	24"	24"	18"	16"
URINAL CENTER FROM WALL/PARTITION	12"	12"	12"	12"

PLUMBING ACCESSORIES (REF. ONLY - MODELS FURNISHED AND INSTALLED BY DISTRICT U.N.O.)

A SOAP DISPENSER: LIQUID SOAP DISPENSER 4" MAX. PROJECTION

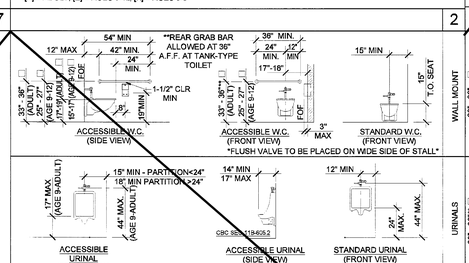
B PAPER TOWEL DISPENSER/TRASH BIN COMBO: SURFACE MOUNTED 4" MAX. PROJECTION-CANNOT ENCROACH INTO 30x48 CLEAR SPACE OF FIXTURE

C TOILET PAPER HOLDER: SINGLE ROLL SEMI-RECESSED OR 3" MAX PROJECTION

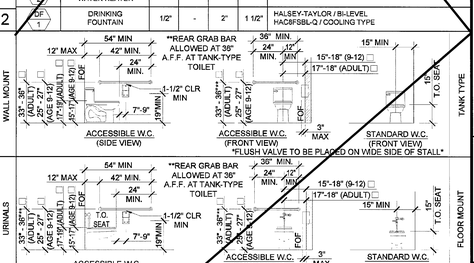
D TOILET SEAT DISPENSER: SURFACE MOUNTED

★ 44" MAX. PER CODE
[A] = ADULT; [E] = AGES 9-12; [K] = AGES 3-8

2

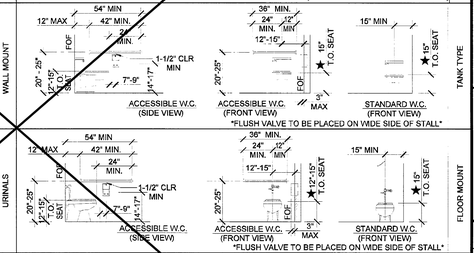


TOILET FIXTURE MOUNTING HEIGHTS(AGES 9 TO ADULT) | 3



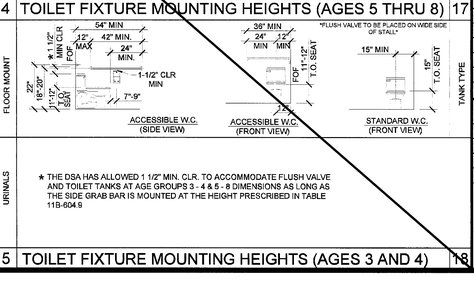
TOILET FIXTURE MOUNTING HEIGHTS(AGES 9 TO ADULT) | 16

TOILET FIXTURE MOUNTING HEIGHTS (AGES 5 THRU 8) | 4



TOILET FIXTURE MOUNTING HEIGHTS (AGES 5 THRU 8) | 17

TOILET FIXTURE MOUNTING HEIGHTS (AGES 3 AND 4) | 5



TOILET FIXTURE MOUNTING HEIGHTS (AGES 3 AND 4) | 18

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE	COLD WATER	HOT WATER	WASTE	VENT	FIXTURE DESCRIPTION (AS CALLED OUT OR APPROVED EQUAL)
WC 1	[ADULT] WATER CLOSET TANK TYPE (ACCESSIBLE)	1/2"	-	3"	2"	STD: PROFLO ADA PF9403, (1.28 GPF) ALT: AMERICAN STANDARD 2034.016 BABY DEVORO 10" HIGH, 10" ROUGH-IN, VITREOUS CHINA ELONGATED RIM, TANK TYPE, 12" ROUGH-IN: OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT
WC 2	[AGE 9-12] WATER CLOSET TANK TYPE (ACCESSIBLE)	1/2"	-	3"	2"	STD: PROFLO STANDARD PF9320 (1.28 GPF) ALT: AMERICAN STANDARD 2832.128 16" HIGH, VITREOUS CHINA ELONGATED RIM, TANK TYPE, 12" ROUGH-IN: OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT
WC 3	[AGES 3-4] WATER CLOSET TANK TYPE (ACCESSIBLE) NON-ACCESSIBLE	1/2"	-	3"	2"	STD: PROFLO PF1704BB (1.28 GPF) ALT: AMERICAN STANDARD 2034.016 BABY DEVORO 10" HIGH, 10" ROUGH-IN, VITREOUS CHINA ELONGATED RIM, TANK TYPE, OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT
WC 4	[AGE 9 TO ADULT] WATER CLOSET FLOOR MTD/FLUSH (ACCESSIBLE)	1"	-	3"	2"	STD: PROFLO ADA PF1633 (1.28 GPF) ALT: AMERICAN STANDARD 3043.001 "MADERA" 16 3/4" HIGH, VITREOUS CHINA ELONGATED RIM, SIPHON JET, 10" ROUGH-IN, OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSHOMETER VALVE
WC 5	[AGE 5-12] WATER CLOSET FLOOR MTD/FLUSH (ACCESSIBLE)	1"	-	3"	2"	STD: PROFLO STANDARD PF1721 (1.28 GPF) ALT: AMERICAN STANDARD 2234.001 MADERA 15" HIGH, VITREOUS CHINA ELONGATED RIM, SIPHON JET, 12" ROUGH-IN, OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSHOMETER VALVE
WC 6	[AGE 3 & 4] WATER CLOSET FLOOR MTD/FLUSH (ACCESSIBLE & NON-ACCESSIBLE)	1"	-	3"	2"	STD: PROFLO PF1750BB (1.28 GPF) ALT: AMERICAN STANDARD BABY DEVORO 2282.010 VITREOUS CHINA ELONGATED RIM, 10" ROUGH-IN LOW CONSUMPTION CLOSET BOWL: OLSONITE 19CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSH VALVE
LAV 1	LAVATORY (ACCESIBLE)	1/2"	-	2"	1 1/2"	STD: AMERICAN STANDARD 0355.012 LUCERNE ALT: CRANE 1412-20 "HARWICH" 20X16" VITREOUS CHINA; JAY R SMITH #722 CONCEALED HANGER; OLYMPIA #L4161 SINGLE HANDLE FAUCET (AMERICAN STANDARD 9141.011 TO BE USED @ KINDER & ELEMENTARY APPLICATIONS ONLY), 0.5 GPM)
FD 1	FLOOR DRAIN	-	-	2"	1 1/2"	JAY R SMITH #2005YA-02-P050-NB, FLOOR DRAIN TAPPED FOR PRIMER, 5" NICKEL BRONZE STRAINER w/ 1/2" MAX STRAINER OPENINGS IN ALL DIRECTIONS
TP 1	TRAP PRIMER	1/2"	-	-	-	PR-500 WITH 8"x12" LOCKABLE BOX, 1/2" BALL SHUT-OFF VALVE, AND PPP 0.5 U FRESH WATER DISTRIBUTION SYSTEM
GB 1	GRAB BAR	-	-	-	-	BOBRICK B-6806-1-1/2 18 GA STAINLESS STEEL GRAB BAR - SATIN FINISH; 36" LONG ON BACK AND 42" ON SIDE
MR 1	MIRROR	-	-	-	-	SERIES 590 RETURNED MIRRORS STAINLESS STEEL - 18GA 18"X24" - "J" SHEET METAL MANUFACTURED OR APPROVED EQUAL
CS 1	CLASSROOM SINK	1/2"	1/2"	2"	1 1/2"	JUST CRA-1725-A-GR 17"x25" w/ 4 7/8" BOWL DEPTH, WITH CHICAGO FAUCET #350 AND BUBBLER,SB-10
WH 1	WATER HEATER	3/4"	3/4"	-	-	☐ A.O. SMITH #DEL-6 (6 GALLON) ☐ A.O. SMITH #DEL-10 (10 GALLON)
WH 2	INSTANT WATER HEATER	1/2"	1/2"	-	-	EEMAX #SP30012, 120V, 3.0KW, 25A
DF 1	DRINKING FOUNTAIN	1/2"	-	2"	1 1/2"	HALSEY-TAYLOR / BI-LEVEL HAC8FSBL-Q / COOLING TYPE

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE, PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
PLUMBING DETAILS AND SCHEDULE

ARCHITECT
JOHN R. SCHREIBER
C-33457
REN 01-31-2015
STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE: 2013 CBC
A SEPARATE PRODUCT APPLICATION IS REQUIRED FOR ALTERNATE MATERIALS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
ACCESS F.L.S. SS
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

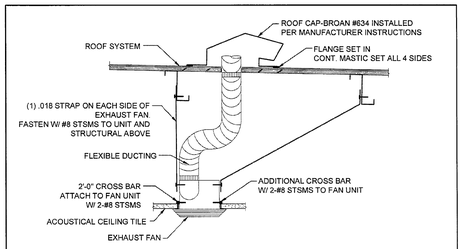
SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-10-14

P.C. SHEET NUMBER
P-1.01

LEGEND

SYMBOL	ABB.	DESCRIPTION
	SAD	SUPPLY AIR DUCT
	RAD	RETURN AIR DUCT
	EAD	EXHAUST AIR DUCT
	(L)	LINED DUCTWORK
	CD	SUPPLY CEILING DIFFUSER
	CR	RETURN CEILING REGISTER
	ER	EXHAUST CEILING REGISTER
	VTR	VENT THRU ROOF
	FD	FIRE DAMPER
	MVD	MANUAL VOLUME DAMPER
UC	UC	UNDERCUT DOOR
T	STAT	THERMOSTAT
BT	BT	BYPASS TIMER
	P.O.C	POINT OF CONNECTION



EXHAUST FAN INSTALLATION — SCALE : 1"=1'-0"

CEILING MOUNTED EXHAUST FAN SCHEDULE

SYM.	LOCATION	SERVICE	MANUF.	MODEL	CFM	SONES	SP	ELECTRICAL VOLTS	Ø	POWER	WGT.	REMARKS
EF 1	CEILING	TOILET EXHAUST	BROAN*	676	100	4.0	0.25	120	1	156 WATTS	7 LBS.	WITH BROAN ROOF CAP #636, PROVIDE 4" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.
EF 2	CEILING	TOILET EXHAUST	BROAN*	L100	109	1.0	0.25	120	1	87 WATTS	22.80 LBS.	WITH BROAN ROOF CAP #634, PROVIDE 6" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.
EF 3	CEILING	TOILET EXHAUST	BROAN*	L200	210	2.0	0.25	120	1	127 WATTS	23.0 LBS.	WITH BROAN ROOF CAP #634, PROVIDE 8" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.
EF 4	CEILING	TOILET EXHAUST	BROAN*	L300	308	2.8	0.25	120	1	212 WATTS	23.10 LBS.	WITH BROAN ROOF CAP #634, PROVIDE 8" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.

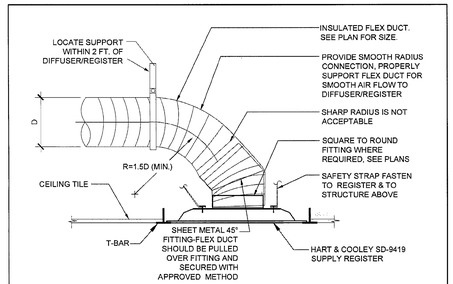
OR APPROVED EQUAL.

PERFORATED FACE GRILLE SCHEDULE (SUPPLY)

ITEM	NECK SIZE	RANGE CFM	MFG & MODEL #
T-BAR SUPPLY 18X18-4W	6"Ø	0 - 150	Fixed Curve Blade, 4-way throw
	8"Ø	150 - 230	For lay-in T-bar ceilings use Harth & Cooley SD-9419 . (Sizes as shown on Mech Plan)
	10"Ø	230 - 350	
	12"Ø	350 - 460	
	14"Ø	460 - 640	

PERFORATED FACE GRILLE SCHEDULE (RETURN)

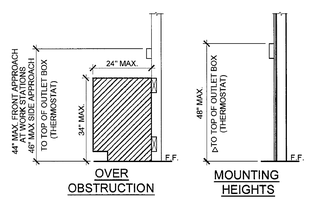
ITEM	NECK SIZE	RANGE CFM	MFG & MODEL #
T-BAR RETURN	6"Ø	0 - 230	Perforated face
	10"Ø	230 - 460	For lay-in T-bar ceilings use Shoemaker 105P with 24 ga., 45 deg. angle. (Sizes as shown on Mech Plan.)
	14"Ø	460 - 710	



T-BAR SUPPLY REGISTER AND SIDE OUTLET BOX DETAIL

N.T.S.

SUPPLY CEILING DIFFUSER MOUNTING — SCALE: NONE — D



△ PROVIDE MIN 30"x48" CLR FLOOR SPACE FOR PERPENDICULAR APPROACH AT EACH LOCATION

GENERAL NOTES

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2013 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

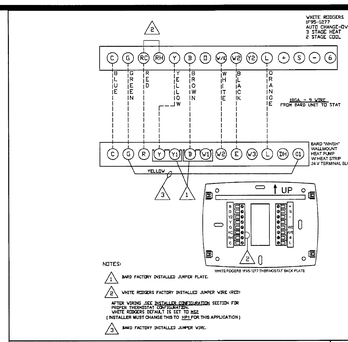
PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8, 13.6.7, 13.6.5.6 AND 2013 CBC SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPA #).

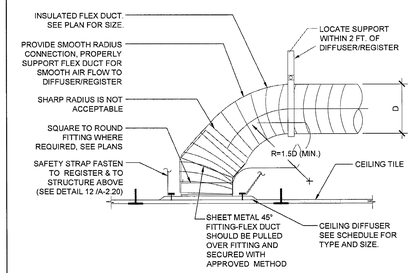
COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AN BRACING OF THE PIPE, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

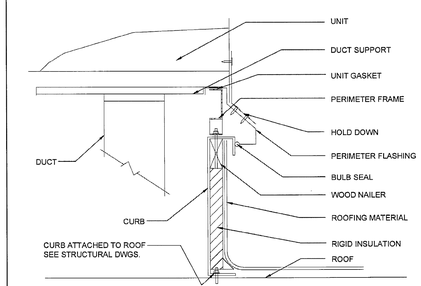


NOTES:
1. BAND FACTORY INSTALLED JUMPER PLATE.
2. WHITE RODGERS FACTORY INSTALLED JUMPER WIRE (RED)
   AFTER WIRING (SEE INSTALLER CONFIGURATION SECTION FOR PROPER THERMOSTAT CONFIGURE)
   WHITE RODGERS DEFAULT IS SET TO W2E
   (INSTALLER MUST CHANGE THIS TO SET FOR THIS APPLICATION)
3. BAND FACTORY INSTALLED JUMPER WIRE.

UNIT TO THERMOSTAT WIRING — SCALE: NONE — A



RETURN CEILING DIFFUSER MOUNTING — SCALE: NONE — B



A/C UNIT MOUNTING — SCALE: NONE — C

BUILDING SIZES VARY. SEE KEY PLANS ON SHEET A-0.3 FOR APPROPRIATE HVAC TONNAGE PER BUILDING SIZE.

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE VARIOUS BUILDING SIZES

SHEET TITLE:
MECHANICAL NOTES, SCHEDULES, & DETAILS

REGISTERED ARCHITECT — JAMES DAVID KELLY — C-33407 — REN 01-31-2015 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT FOR SUBMITTAL WITH A DSA/OSHPD PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

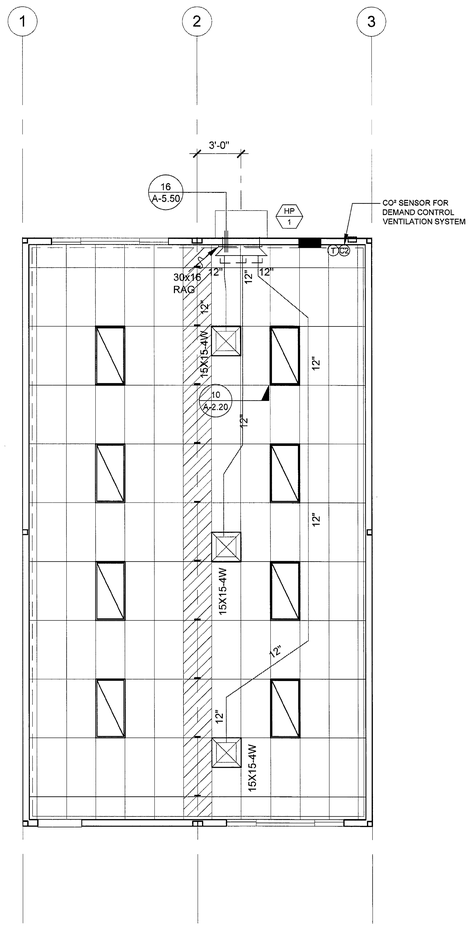
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
APP'D FLS AS
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	09-10-14

P.C. SHEET NUMBER
M-0.1



MECHANICAL PLAN - STANDARD 4 LIGHT CONFIGURATION

SCALE: 1/4" = 1'-0" | 1

9 EER

SINGLE PACKAGE VERTICAL HEAT PUMP SCHEDULE

	STANDARD	OPTION #1	OPTION #2
TAG	HP-1	HP-1	HP-1
NOMINAL TONNAGE	4.0 TONS	5 TONS	3.5 TONS
MANUFACTURER	BARD	BARD	BARD
MODEL#	W48H2-A04	W60H2-A05	W42H2-A04
CFM	1550	1700	1400
STATIC PRESSURE	0.3	0.3	0.3
DRIVE	DIRECT	DIRECT	DIRECT
MCA	58	67	50
MOCP	60	80	60
VOLTAGE	208/230-1	208/230-1	208/230-1
WIRE SIZE (PWR/GRND)	#6/#10	#4/#8	#6/#10
DESIGN RETURN AIR (DB/WB)	80/67	80/67	80/67
SENSIBLE COOLING @ 95° F	35,600	39,600	32,000
TOTAL COOLING @ 95° F	46,000	54,000	42,000
HEATING CAP. BTUH @ 47° F	44,000	54,000	42,000
HEATING CAP. BTUH @ 17° F	26,000	32,000	25,000
OPERATING WEIGHT	552#	580#	550#
EER	9.00	9.00	9.00
COP @ 47° F	3.00	3.00	3.00
COP @ 17° F	2.00	2.00	2.00

NOTES:
PROVIDE SET-BACK THERMOSTAT.
MODEL# SHOWN IS FOR UNIT WITH OPTIONAL AUXILIARY HEAT STRIP, IF HEAT STRIP IS NOT USED THE MCA AND MOCP MUST BE REVISED. HEAT STRIPS LARGER THAN THE SIZE SHOWN MAY NOT BE USED.
MINIMUM OUTSIDE AIR SHALL BE NO LESS THAN 15 CFM PER EXPECTED OCCUPANT LOAD.
THE UNIT SHALL UTILIZE DEMAND CONTROL VENTILATION, THE CO2 SENSOR SHALL BE LOCATED SO THAT IT IS NOT EXPECTED TO BE OBSTRUCTED BY FURNITURE OR EQUIPMENT AND SHALL BE INSTALLED NO LESS THAN 36" AFF AND NO MORE THAN 72" AFF.
AIR HANDLERS WITH OTHER VOLTAGES SHALL BE ACCEPTABLE.
AIR HANDLERS OTHER THAN THE MAKE AND MODEL LISTED ABOVE SHALL BE ACCEPTABLE WHEN THE NOMINAL TONNAGE DOES NOT EXCEED 5 TONS AND THE EER AND COP VALUES ARE NO LESS THAN THOSE SHOWN ABOVE.

10 EER

SINGLE PACKAGE VERTICAL HEAT PUMP SCHEDULE

	STANDARD	OPTION #1	OPTION #2
TAG	HP-1	HP-1	HP-1
NOMINAL TONNAGE	4.0 TONS	5 TONS	3.5 TONS
MANUFACTURER	BARD	BARD	BARD
MODEL#	S49H2-A05	S61H2-A05	S43H2-A04
CFM	1400	1450	1250
STATIC PRESSURE	0.2	0.2	0.15
DRIVE	DIRECT	DIRECT	DIRECT
MCA	65	69	55
MOCP	70	80	60
VOLTAGE	208/230-1	208/230-1	208/230-1
WIRE SIZE (PWR/GRND)	#6/#10	#4/#8	#6/#10
DESIGN RETURN AIR (DB/WB)	80/67	80/67	80/67
SENSIBLE COOLING @ 95° F	34,400	37,900	31,200
TOTAL COOLING @ 95° F	46,000	55,000	41,500
HEATING CAP. BTUH @ 47° F	45,000	52,000	39,000
HEATING CAP. BTUH @ 17° F	28,000	30,000	23,000
OPERATING WEIGHT	570#	580#	550#
EER	10.00	10.40	10.50
COP @ 47° F	3.00	3.00	3.20
COP @ 17° F	2.00	2.00	2.10

NOTES:
PROVIDE SET-BACK THERMOSTAT.
MODEL# SHOWN IS FOR UNIT WITH OPTIONAL AUXILIARY HEAT STRIP, IF HEAT STRIP IS NOT USED THE MCA AND MOCP MUST BE REVISED. HEAT STRIPS LARGER THAN THE SIZE SHOWN MAY NOT BE USED.
MINIMUM OUTSIDE AIR SHALL BE NO LESS THAN 15 CFM PER EXPECTED OCCUPANT LOAD.
THE UNIT SHALL UTILIZE DEMAND CONTROL VENTILATION, THE CO2 SENSOR SHALL BE LOCATED SO THAT IT IS NOT EXPECTED TO BE OBSTRUCTED BY FURNITURE OR EQUIPMENT AND SHALL BE INSTALLED NO LESS THAN 36" AFF AND NO MORE THAN 72" AFF.
AIR HANDLERS WITH OTHER VOLTAGES SHALL BE ACCEPTABLE.
AIR HANDLERS OTHER THAN THE MAKE AND MODEL LISTED ABOVE SHALL BE ACCEPTABLE WHEN THE NOMINAL TONNAGE DOES NOT EXCEED 5 TONS AND THE EER AND COP VALUES ARE NO LESS THAN THOSE SHOWN ABOVE.

9 EER (GAS ALTERNATE)

SINGLE PACKAGE VERTICAL AIR CONDITIONER WITH GAS FURNACE

	STANDARD	OPTION #1	OPTION #2
TAG	AC-1	AC-1	AC-1
NOMINAL TONNAGE	4.0 TONS	5 TONS	3.5 TONS
MANUFACTURER	BARD	BARD	BARD
MODEL#	W48G2-AXB	W60G2-AXB	W42G2-AXB
CFM	1600	1750	1300
STATIC PRESSURE	0.2	0.2	0.2
DRIVE	DIRECT	DIRECT	DIRECT
MCA	38	40	32
MOCP	50	60	50
VOLTAGE	208/230-1	208/230-1	208/230-1
WIRE SIZE (PWR/GRND)	#6/#10	#6/#10	#6/#10
DESIGN RETURN AIR (DB/WB)	80/67	80/67	80/67
SENSIBLE COOLING @ 95° F	39,500	40,700	30,500
TOTAL COOLING @ 95° F	46,000	57,000	40,500
HEATING INPUT	75,000	75,000	75,000
HEATING OUTPUT	61,500	61,500	61,500
OPERATING WEIGHT	710#	725#	700#
EER	9.7	9.8	9.8
THERMAL EFFICIENCY (TE)	82	82	82

NOTES:
PROVIDE SET-BACK THERMOSTAT.
MINIMUM OUTSIDE AIR SHALL BE NO LESS THAN 15 CFM PER EXPECTED OCCUPANT LOAD.
THE UNIT SHALL UTILIZE DEMAND CONTROL VENTILATION, THE CO2 SENSOR SHALL BE LOCATED SO THAT IT IS NOT EXPECTED TO BE OBSTRUCTED BY FURNITURE OR EQUIPMENT AND SHALL BE INSTALLED NO LESS THAN 36" AFF AND NO MORE THAN 72" AFF.
AIR HANDLERS WITH OTHER VOLTAGES SHALL BE ACCEPTABLE.
AIR HANDLERS OTHER THAN THE MAKE AND MODEL LISTED ABOVE SHALL BE ACCEPTABLE WHEN THE NOMINAL TONNAGE DOES NOT EXCEED 5 TONS AND THE EER AND TE VALUES ARE NO LESS THAN THOSE SHOWN ABOVE.

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
MECHANICAL PLAN
WALL MOUNT
24' x 40'

LICENSED ARCHITECT — SCOTT A. SHIVELY — C-33497 — REN 01-31-2015 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE: 2013 CBC
A SUPPLEMENTAL PC APPLICATION FOR CONSTRUCTION IS REQUIRED

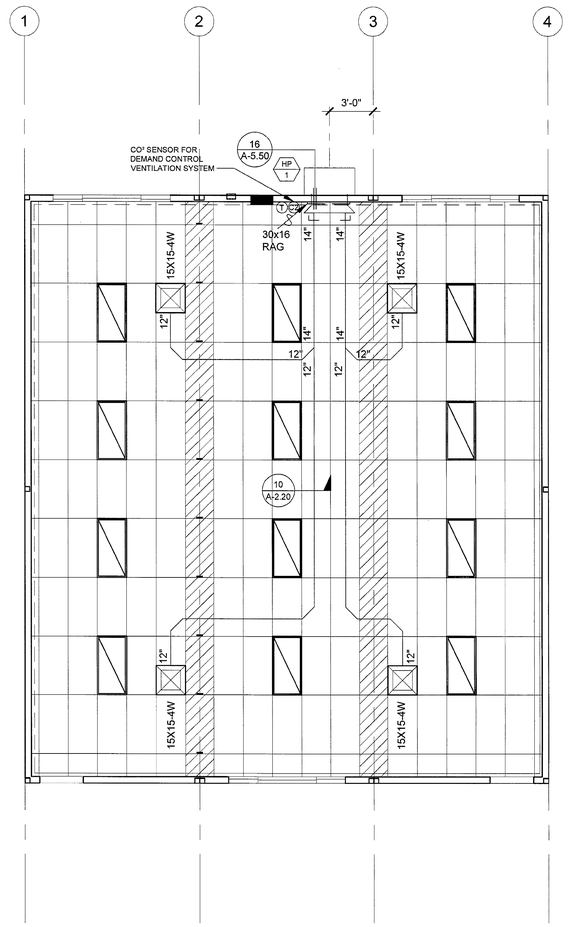
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC FLS SS
DATE APR 17 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-10-14

P.C. SHEET NUMBER
M-1.01



MECHANICAL PLAN - STANDARD 4 LIGHT CONFIGURATION

SCALE: 1/4" = 1'-0" 1

9 EER

SINGLE PACKAGE VERTICAL HEAT PUMP SCHEDULE

	STANDARD	OPTION #1	OPTION #2
TAG	HP-1	HP-1	HP-1
NOMINAL TONNAGE	4.0 TONS	5 TONS	3.5 TONS
MANUFACTURER	BARD	BARD	BARD
MODEL#	W48H2-A04	W60H2-A05	W42H2-A04
CFM	1550	1700	1400
STATIC PRESSURE	0.3	0.3	0.3
DRIVE	DIRECT	DIRECT	DIRECT
MCA	58	67	52
MOCP	60	80	60
VOLTAGE	208/230-1	208/230-1	208/230-1
WIRE SIZE (PWR/GRND)	#6/#10	#4/#6	#6/#10
DESIGN RETURN AIR (DB/WB)	80/67	80/67	80/67
SENSIBLE COOLING @ 95° F	35,600	39,600	32,700
TOTAL COOLING @ 95° F	46,000	54,000	42,000
HEATING CAP. BTUH @ 47° F	44,000	54,000	42,000
HEATING CAP. BTUH @ 17° F	26,000	32,000	25,000
OPERATING WEIGHT	550#	580#	550#
EER	9.00	9.00	9.00
COP @ 47° F	3.00	3.00	3.00
COP @ 17° F	2.00	2.00	2.00

NOTES:
PROVIDE SET-BACK THERMOSTAT.
MODEL# SHOWN IS FOR UNIT WITH OPTIONAL AUXILIARY HEAT STRIP, IF HEAT STRIP IS NOT USED THE MCA AND MOCP MUST BE REVISED. HEAT STRIPS LARGER THAN THE SIZE SHOWN MAY NOT BE USED.
MINIMUM OUTSIDE AIR SHALL BE NO LESS THAN 15 CFM PER EXPECTED OCCUPANT LOAD.
THE UNIT SHALL UTILIZE DEMAND CONTROL VENTILATION, THE CO2 SENSOR SHALL BE LOCATED SO THAT IT IS NOT EXPECTED TO BE OBSTRUCTED BY FURNITURE OR EQUIPMENT AND SHALL BE INSTALLED NO LESS THAN 36" AFF AND NO MORE THAN 72" AFF.
AIR HANDLERS WITH OTHER VOLTAGES SHALL BE ACCEPTABLE.
AIR HANDLERS OTHER THAN THE MAKE AND MODEL LISTED ABOVE SHALL BE ACCEPTABLE WHEN THE NOMINAL TONNAGE DOES NOT EXCEED 5 TONS AND THE EER AND COP VALUES ARE NO LESS THAN THOSE SHOWN ABOVE.

10 EER

SINGLE PACKAGE VERTICAL HEAT PUMP SCHEDULE

	STANDARD	OPTION #1	OPTION #2
TAG	HP-1	HP-1	HP-1
NOMINAL TONNAGE	4.0 TONS	5 TONS	3.5 TONS
MANUFACTURER	BARD	BARD	BARD
MODEL#	S49H2-A05	S61H2-A05	S43H2-A04
CFM	1400	1450	1250
STATIC PRESSURE	0.2	0.2	0.15
DRIVE	DIRECT	DIRECT	DIRECT
MCA	65	69	55
MOCP	70	80	60
VOLTAGE	208/230-1	208/230-1	208/230-1
WIRE SIZE (PWR/GRND)	#6/#10	#4/#8	#6/#10
DESIGN RETURN AIR (DB/WB)	80/67	80/67	80/67
SENSIBLE COOLING @ 95° F	34,400	37,900	31,200
TOTAL COOLING @ 95° F	46,000	55,000	41,500
HEATING CAP. BTUH @ 47° F	45,500	52,000	39,000
HEATING CAP. BTUH @ 17° F	28,000	30,000	23,000
OPERATING WEIGHT	550#	580#	550#
EER	10.00	10.40	10.60
COP @ 47° F	3.00	3.00	3.20
COP @ 17° F	2.00	2.00	2.10

NOTES:
PROVIDE SET-BACK THERMOSTAT.
MODEL# SHOWN IS FOR UNIT WITH OPTIONAL AUXILIARY HEAT STRIP, IF HEAT STRIP IS NOT USED THE MCA AND MOCP MUST BE REVISED. HEAT STRIPS LARGER THAN THE SIZE SHOWN MAY NOT BE USED.
MINIMUM OUTSIDE AIR SHALL BE NO LESS THAN 15 CFM PER EXPECTED OCCUPANT LOAD.
THE UNIT SHALL UTILIZE DEMAND CONTROL VENTILATION, THE CO2 SENSOR SHALL BE LOCATED SO THAT IT IS NOT EXPECTED TO BE OBSTRUCTED BY FURNITURE OR EQUIPMENT AND SHALL BE INSTALLED NO LESS THAN 36" AFF AND NO MORE THAN 72" AFF.
AIR HANDLERS WITH OTHER VOLTAGES SHALL BE ACCEPTABLE.
AIR HANDLERS OTHER THAN THE MAKE AND MODEL LISTED ABOVE SHALL BE ACCEPTABLE WHEN THE NOMINAL TONNAGE DOES NOT EXCEED 5 TONS AND THE EER AND COP VALUES ARE NO LESS THAN THOSE SHOWN ABOVE.

9 EER (GAS ALTERNATE)

SINGLE PACKAGE VERTICAL AIR CONDITIONER WITH GAS FURNACE

	STANDARD	OPTION #1	OPTION #2
TAG	AC-1	AC-1	AC-1
NOMINAL TONNAGE	4.0 TONS	5 TONS	3.5 TONS
MANUFACTURER	BARD	BARD	BARD
MODEL#	W48G2-AXB	W60G2-AXB	W42G2-AXB
CFM	1600	1750	1300
STATIC PRESSURE	0.2	0.2	0.2
DRIVE	DIRECT	DIRECT	DIRECT
MCA	38	50	32
MOCP	50	60	50
VOLTAGE	208/230-1	208/230-1	208/230-1
WIRE SIZE (PWR/GRND)	#6/#10	#6/#10	#6/#10
DESIGN RETURN AIR (DB/WB)	80/67	80/67	80/67
SENSIBLE COOLING @ 95° F	35,500	40,700	30,500
TOTAL COOLING @ 95° F	46,000	57,000	40,500
HEATING INPUT	75,000	75,000	75,000
HEATING OUTPUT	61,500	61,500	61,500
OPERATING WEIGHT	710#	725#	700#
EER	9.7	9.8	9.8
THERMAL EFFICIENCY (TE)	82	82	82

NOTES:
PROVIDE SET-BACK THERMOSTAT.
MINIMUM OUTSIDE AIR SHALL BE NO LESS THAN 15 CFM PER EXPECTED OCCUPANT LOAD.
THE UNIT SHALL UTILIZE DEMAND CONTROL VENTILATION, THE CO2 SENSOR SHALL BE LOCATED SO THAT IT IS NOT EXPECTED TO BE OBSTRUCTED BY FURNITURE OR EQUIPMENT AND SHALL BE INSTALLED NO LESS THAN 36" AFF AND NO MORE THAN 72" AFF.
AIR HANDLERS WITH OTHER VOLTAGES SHALL BE ACCEPTABLE.
AIR HANDLERS OTHER THAN THE MAKE AND MODEL LISTED ABOVE SHALL BE ACCEPTABLE WHEN THE NOMINAL TONNAGE DOES NOT EXCEED 5 TONS AND THE EER AND TE VALUES ARE NO LESS THAN THOSE SHOWN ABOVE.

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
MECHANICAL PLAN
WALL MOUNT
36' x 40'

LICENSED ARCHITECT — JACK ARMI KELLY — C-33467 — REN 01-31-2015 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
FOR REFERENCE ONLY
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

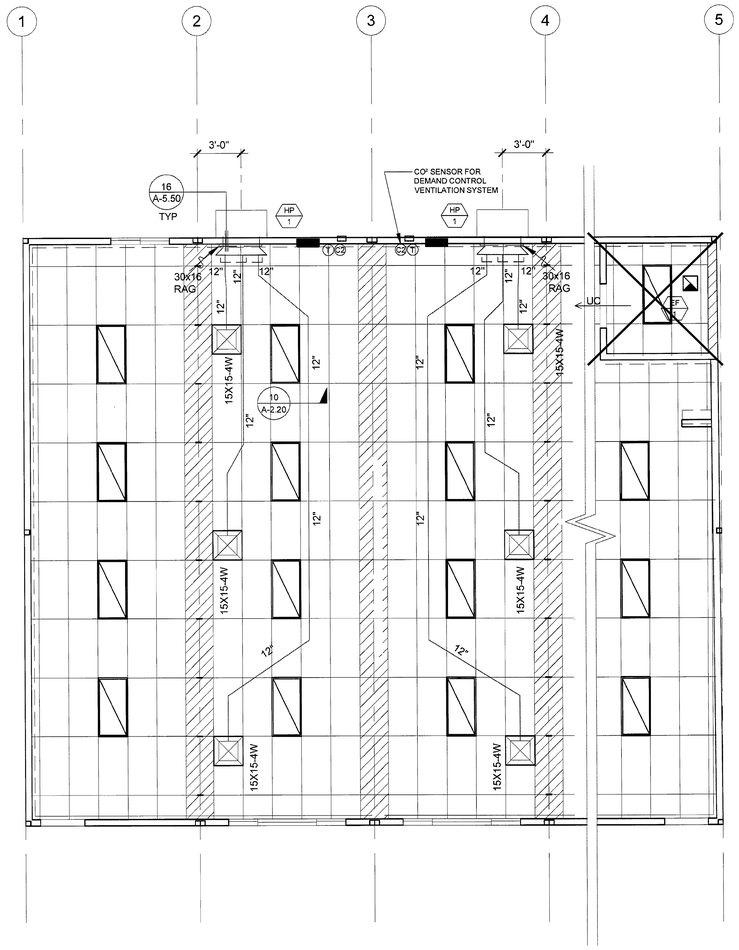
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC FLS SS
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	09-10-14

P.C. SHEET NUMBER
M-1.02



MECHANICAL PLAN - STANDARD 4 LIGHT CONFIGURATION

SCALE: 1/4" = 1'-0" 1

9 EER

SINGLE PACKAGE VERTICAL HEAT PUMP SCHEDULE

	STANDARD	OPTION #1	OPTION #2
TAG	HP-1	HP-1	HP-1
NOMINAL TONNAGE	4.0 TONS	5 TONS	3.5 TONS
MANUFACTURER	BARD	BARD	BARD
MODEL#	W48H2-A04	W60H2-A05	W42H2-A04
CFM	1550	1700	1400
STATIC PRESSURE	0.3	0.3	0.3
DRIVE	DIRECT	DIRECT	DIRECT
MCA	58	67	51
MOCP	60	80	50
VOLTAGE	208/230-1	208/230-1	208/230-1
WIRE SIZE (PWR/GRND)	#6/#10	#4/#8	#6/#10
DESIGN RETURN AIR (DB/WB)	80/67	80/67	80/67
SENSIBLE COOLING @ 95° F	35,600	39,600	32,700
TOTAL COOLING @ 95° F	46,000	54,000	42,000
HEATING CAP. BTUH @ 47° F	44,000	54,000	42,000
HEATING CAP. BTUH @ 17° F	26,000	32,000	25,000
OPERATING WEIGHT	550#	580#	550#
EER	9.00	9.00	9.00
COP @ 47° F	3.00	3.00	3.00
COP @ 17° F	2.00	2.00	2.00

NOTES:
PROVIDE SET-BACK THERMOSTAT.
MODEL# SHOWN IS FOR UNIT WITH OPTIONAL AUXILIARY HEAT STRIP, IF HEAT STRIP IS NOT USED THE MCA AND MOCP MUST BE REVISED. HEAT STRIPS LARGER THAN THE SIZE SHOWN MAY NOT BE USED.
MINIMUM OUTSIDE AIR SHALL BE NO LESS THAN 15 CFM PER EXPECTED OCCUPANT LOAD.
THE UNIT SHALL UTILIZE DEMAND CONTROL VENTILATION, THE CO2 SENSOR SHALL BE LOCATED SO THAT IT IS NOT EXPECTED TO BE OBSTRUCTED BY FURNITURE OR EQUIPMENT AND SHALL BE INSTALLED NO LESS THAN 36" AFF AND NO MORE THAN 72" AFF.
AIR HANDLERS WITH OTHER VOLTAGES SHALL BE ACCEPTABLE.
AIR HANDLERS OTHER THAN THE MAKE AND MODEL LISTED ABOVE SHALL BE ACCEPTABLE WHEN THE NOMINAL TONNAGE DOES NOT EXCEED 5 TONS AND THE EER AND COP VALUES ARE NO LESS THAN THOSE SHOWN ABOVE.

10 EER

SINGLE PACKAGE VERTICAL HEAT PUMP SCHEDULE

	STANDARD	OPTION #1	OPTION #2
TAG	HP-1	HP-1	HP-1
NOMINAL TONNAGE	4.0 TONS	5 TONS	3.5 TONS
MANUFACTURER	BARD	BARD	BARD
MODEL#	S49H2-A05	S61H2-A05	S43H2-A04
CFM	1400	1450	1250
STATIC PRESSURE	0.2	0.2	0.15
DRIVE	DIRECT	DIRECT	DIRECT
MCA	65	69	55
MOCP	70	80	60
VOLTAGE	208/230-1	208/230-1	208/230-1
WIRE SIZE (PWR/GRND)	#6/#10	#4/#8	#6/#10
DESIGN RETURN AIR (DB/WB)	80/67	80/67	80/67
SENSIBLE COOLING @ 95° F	34,400	37,900	31,200
TOTAL COOLING @ 95° F	46,000	55,000	41,500
HEATING CAP. BTUH @ 47° F	45,000	52,000	39,000
HEATING CAP. BTUH @ 17° F	26,000	30,000	23,000
OPERATING WEIGHT	550#	580#	550#
EER	10.00	10.40	10.50
COP @ 47° F	3.00	3.00	3.20
COP @ 17° F	2.00	2.00	2.10

NOTES:
PROVIDE SET-BACK THERMOSTAT.
MODEL# SHOWN IS FOR UNIT WITH OPTIONAL AUXILIARY HEAT STRIP, IF HEAT STRIP IS NOT USED THE MCA AND MOCP MUST BE REVISED. HEAT STRIPS LARGER THAN THE SIZE SHOWN MAY NOT BE USED.
MINIMUM OUTSIDE AIR SHALL BE NO LESS THAN 15 CFM PER EXPECTED OCCUPANT LOAD.
THE UNIT SHALL UTILIZE DEMAND CONTROL VENTILATION, THE CO2 SENSOR SHALL BE LOCATED SO THAT IT IS NOT EXPECTED TO BE OBSTRUCTED BY FURNITURE OR EQUIPMENT AND SHALL BE INSTALLED NO LESS THAN 36" AFF AND NO MORE THAN 72" AFF.
AIR HANDLERS WITH OTHER VOLTAGES SHALL BE ACCEPTABLE.
AIR HANDLERS OTHER THAN THE MAKE AND MODEL LISTED ABOVE SHALL BE ACCEPTABLE WHEN THE NOMINAL TONNAGE DOES NOT EXCEED 5 TONS AND THE EER AND COP VALUES ARE NO LESS THAN THOSE SHOWN ABOVE.

9 EER (GAS ALTERNATE)

SINGLE PACKAGE VERTICAL AIR CONDITIONER WITH GAS FURNACE

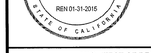
	STANDARD	OPTION #1	OPTION #2
TAG	AC-1	AC-1	AC-1
NOMINAL TONNAGE	4.0 TONS	5 TONS	3.5 TONS
MANUFACTURER	BARD	BARD	BARD
MODEL#	W48G2-AXB	W60G2-AXB	W42G2-AXB
CFM	1600	1750	1300
STATIC PRESSURE	0.2	0.2	0.2
DRIVE	DIRECT	DIRECT	DIRECT
MCA	38	40	32
MOCP	50	60	50
VOLTAGE	208/230-1	208/230-1	208/230-1
WIRE SIZE (PWR/GRND)	#6/#10	#6/#10	#6/#10
DESIGN RETURN AIR (DB/WB)	80/67	80/67	80/67
SENSIBLE COOLING @ 95° F	35,200	40,700	30,500
TOTAL COOLING @ 95° F	46,500	57,000	40,500
HEATING INPUT	75,000	75,000	75,000
HEATING OUTPUT	61,500	61,500	61,500
OPERATING WEIGHT	710#	725#	700#
EER	9.7	9.8	9.8
THERMAL EFFICIENCY (TE)	82	82	82

NOTES:
PROVIDE SET-BACK THERMOSTAT.
MINIMUM OUTSIDE AIR SHALL BE NO LESS THAN 15 CFM PER EXPECTED OCCUPANT LOAD.
THE UNIT SHALL UTILIZE DEMAND CONTROL VENTILATION, THE CO2 SENSOR SHALL BE LOCATED SO THAT IT IS NOT EXPECTED TO BE OBSTRUCTED BY FURNITURE OR EQUIPMENT AND SHALL BE INSTALLED NO LESS THAN 36" AFF AND NO MORE THAN 72" AFF.
AIR HANDLERS WITH OTHER VOLTAGES SHALL BE ACCEPTABLE.
AIR HANDLERS OTHER THAN THE MAKE AND MODEL LISTED ABOVE SHALL BE ACCEPTABLE WHEN THE NOMINAL TONNAGE DOES NOT EXCEED 5 TONS AND THE EER AND TE VALUES ARE NO LESS THAN THOSE SHOWN ABOVE.

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
MECHANICAL PLAN
WALL MOUNT
48' TO 120' x 40'



ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CCR Title 24, Part 1, 2001
A SEPARATE BUILDING PERMIT APPLICATION
FOR CONSTRUCTION IS REQUIRED

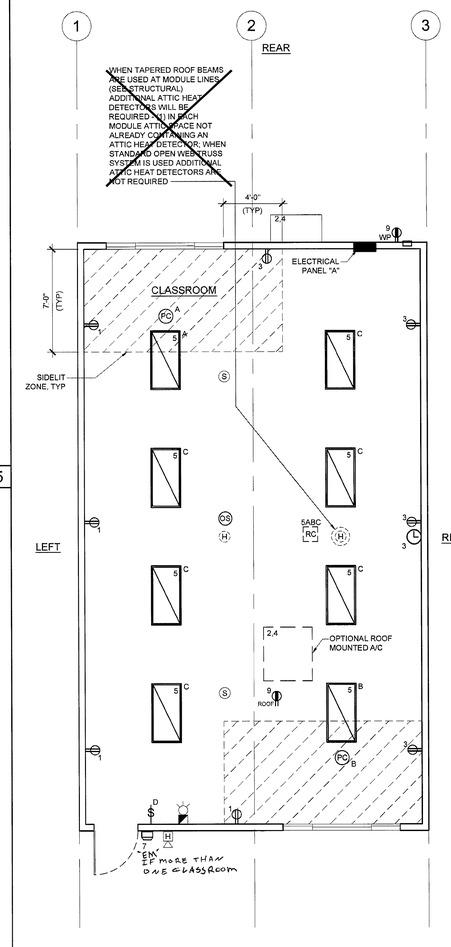
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC ESS SS
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-10-14

P.C. SHEET NUMBER
M-1.03

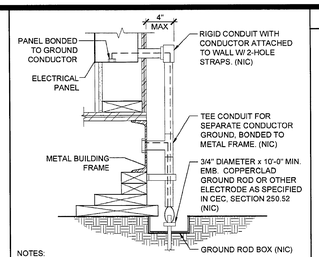


NOT USED | 5

NOT USED | 6

ELECTRICAL PLAN | 4

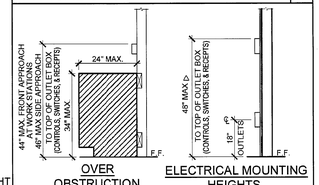
SCALE: 1/4" = 1'-0"



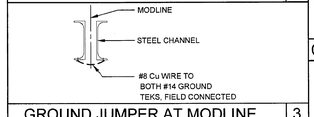
NOTES:

1. SIZE OF CONDUCTORS SHALL COMPLY WITH CEC TABLE 250.66
2. ELEC. TRADE SHALL CHECK AREA FOR EXISTING CONDUITS, SEWER, GAS & WATER PIPING BEFORE DRIVING GROUND RODS.
3. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELEC'L. PANEL & TO METAL BUILDING FRAME (CEC 250.52) IN ADDITION TO THE DETAIL SHOWN ABOVE. BOND THE ELECTRICAL GROUND TO METAL UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH THE EARTH FOR 10 FT. OR MORE, IF AVAILABLE (CEC 250.52)
4. ALL MODULES OF METAL FRAME BLDGS. SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING). BONDING SHALL INCLUDE METAL RAMP.
5. CHECK RESISTANT TO GROUND ROD, IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS WITH CONDUCTORS AS SHOWN SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS (CEC 250.56).

TYPICAL GROUNDING DETAIL | 1



ACCESSIBLE HEIGHTS | 2



GROUND JUMPER AT MODLINE | 3

GENERAL GROUNDING NOTES

EACH BUILDING SHALL BE SEPARATELY GROUNDED WITH A 3/4" RD. X 8' COPPERCLAD STEEL GROUND ROD. WHERE ROCK BOTTOM IS ENCOUNTERED, ROD SHALL BE DRIVEN AT AN ANGLE NOT TO EXCEED 45 DEGREE'S FROM THE VERTICAL OR SHALL BE BURIED IN A TRENCH THAT IS AT LEAST 30" DEEP (BY SITE ELECTRICAL).

TESTING: TEST FOR RESISTANCE TO GROUND, IF RESISTANCE EXCEEDS 25 OHMS. INSTALL ADDITIONAL GROUND RODS SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS. (BY SITE ELECTRICAL).

APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THIS FIRE ALARM FOR ALL SITES. THE FIRE ALARM SYSTEM AND/OR COMPONENTS MAYBE REQUIRED TO BE CHANGED DUE TO SITE LOCATION EXISTING CONDITIONS OR INCOMPATIBLE COMPONENTS.

GROUND MG TEST SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR. ALL GROUNDING SHALL BE IN ACCORDANCE WITH CEC ARTICLE 250.

SCHOOL EQUIPMENT ANCHORAGE

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS, WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2013 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6,8, 13.6,7, 13.6,5.6 AND 2013 CBC SECTIONS 1616A.1.23, 1616A.1,24, 1616A.1.25 AND 1616A.1.26.

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPA #).

COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AN BRACING OF THE PIPE, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

FIRE ALARM NOTES

1. SMOKE AND HEAT DETECTOR CONDUIT AND DEVICES PROVIDED AND INTERCONNECTED BY OTHERS TO FIRE ALARM SYSTEM
2. PROVIDE DEDICATED FIRE ALARM 120 VOLT CIRCUIT CONNECTED TO LOCKED-ON BREAKER. THE CIRCUIT BREAKER SHALL BE LOCKED-ON WITH APPROVED LOCKING DEVICE, MARKED RED AND IDENTIFIED AS "FIRE ALARM CONTROL CIRCUIT". NFPA 72, 10.6.5.2.

CONDUIT FILL AND CONDUCTOR CAPACITY TABLE

(ALL CONDUCTORS SHALL BE TYPE THHN/THWN 75 DEG. C. COPPER)

WIRE SIZE	CAPACITY	WIRE TYPE	NO. OF CONDUCTOR PERMITTED 1/2" C	3/4" C	1" C	1 1/4" C
#12	20A	THHN	9	16	25	45
#10	30A	THHN	5	10	16	28
#8	45A	THHN	2	5	8	14
#6	65A	THHN	1	3	5	10
#4	85A	THHN	1	2	4	7

JUNCTION BOX SIZE TABLE

BOX	SIZE	CU. IN.	MAX NO. OF CONDUCTORS #12	#10	#8	#6
4SS	1 1/4" x 4" SQ	18.0	8	7	6	0
4S	1 1/2" x 4" SQ	21.0	9	8	7	0
4SD	2 1/8" x 4" SQ	30.3	13	12	10	6
4SX	2 7/8" x 4" SQ	43.5	23	21	17	10
5SD	2 1/8" x 4-11/16" SQ	42.0	18	16	14	6
5SX	3 7/8" x 4-11/16" SQ	86.0	38	34	28	17
664	4" x 6" SQ	144.0	64	57	48	28

* DEDUCT ONE CONDUCTOR FOR (1) OR MORE GROUNDING CONDUCTORS ENTERING THE BOX

LEGEND

- 2x4 CEILING LIGHT WITH (3) T-8 LAMPS, LAY-IN FLUORESCENT LIGHT FIXTURE WITH DIMMABLE BALLAST ORACLE LIGHTING - MODEL 24-DT.332.2.T8A12.L41KC4 WATTAGE: 32W T8 (48"LG) OR EQUAL
- WALL MOUNTED HVAC UNIT. SEE MECHANICAL DWGS
- ~~ROOF MOUNTED HVAC UNIT. SEE MECHANICAL DWGS~~
- ELECTRICAL PANEL AT +60" AFF TO TOP OF ELECTRICAL PANEL WITH 1 1/2" DIA POWER STUB OUT
- (OS) CEILING MOUNTED OCCUPANCY SENSOR. WATTSTOPPER #LMPC-100 OR EQUAL.
- (PC) CEILING MOUNTED PHOTOCELL, WATTSTOPPER #LMLS-500
- (US) ULTRASONIC CEILING OCCUPANCY SENSOR. WATTSTOPPER W-500A OR EQUAL. SENSOR TO BE CONNECTED TO KEYED LIGHT SWITCHES FOR MANUAL OVERRIDE AND USE FOR RESTROOM W PARTITIONS.
- [WS-1] SINGLE SWITCH WALL OCCUPANCY SENSOR. WATTSTOPPER PW-100 OR EQUAL. SENSOR TO BE MOUNTED AT +44" AFF AND USE FOR OPEN ROOM (OR RESTROOM) LESS THAN 100 SQ FT W/ (1) CIRCUIT.
- [RC] LIGHTING MANAGEMENT SYSTEM ROOM CONTROLLER, INSTALLED ABOVE CEILING, LOCATION AND # OF LOADS/ZONES TO BE VERIFIED, WATTSTOPER # LMRC-2XX
- $D SINGLE BUTTON DIMMER SWITCH, AT +48" AFF, TO TOP OF OUTLET BOX, WATTSTOPPER #LMDM-101
- $ LIGHT SWITCH. MOUNT AT +48" AFF TO TOP OF OUTLET BOX
- $3 3-WAY LIGHT SWITCH. MOUNT AT +48" AFF TO TOP OF OUTLET BOX
- DUPLEX (WALL MOUNTED) RECEPTACLE 15A - 125V - 3 WIRE. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF DEVICE
- WP EXTERIOR WEATHER PROOF GFI RECEPTACLE AT +24 " AFF FOR A/C SERVICES (MAX 25'-0" FROM UNITS)
- GFI GROUND FAULT CIRCUIT INTERRUPT RECEPTACLE WITHIN 6'-0" OF ALL SINKS
- ROOF ROOF MOUNTED WEATHER PROOF GFI RECEPTACLE
- EM EXTERIOR LED LIGHT FIXTURE W/ 90 MIN. EMERGENCY BATTERY BACKUP WHEN 'EM' IS DESIGNATED NEXT TO FIXTURE W/ PHOTOCELL W/ 30w MAX. MOUNT AT +93" AFF
- CLOCK OUTLET AT +90" AFF TO CENTERLINE OF DEVICE
- EXIT EXIT SIGN WITH BATTERY BACK UP. EXIT SIGN REQUIRED FOR CLASSROOMS WITH TWO OR MORE EXTERIOR DOORS. CLASSROOMS WITH ONE EXTERIOR DOOR - OPTIONAL)
- 4SD J-BOX FOR FIRE ALARM PULLSTATION (DEVICE BY OTHERS). MOUNT AT +48" AFF TO TOP OF OUTLET BOX WITH 3/4" CONDUIT TO FIRE ALARM STROBE WITH PULLSTRING
- 4SD J-BOX FOR FIRE ALARM STROBE (DEVICE BY OTHERS). BOTTOM OF LENS SHALL BE BETWEEN 80" AND 96" AFF WITH 3/4" CONDUIT TO EXTERIOR FIRE ALARM HORN WITH PULLSTRING
- (H) 4SD J-BOX FOR EXTERIOR FIRE ALARM HORN (DEVICE BY OTHERS). MOUNT AT +90" AFF TO TOP OF DEVICE WITH 3/4" CONDUIT STUBBED TO ATTIC WITH PULLSTRING
- RECESSED 4SD J-BOX W/ COVER PLATE FOR FUTURE FIRE ALARM SYSTEM BY OTHERS. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF BOX AND PROVIDE 1" CO STUB TO ATTIC SPACE WITH PULLSTRING
- (S) 4SD J-BOX IN ATTIC FOR CEILING MOUNTED SMOKE DETECTOR (DEVICE BY OTHERS). MAXIMUM 21'-0" FROM ANY POINT IN ROOM AND 30'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO SMOKE DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)
- (H) 4SD J-BOX IN ATTIC FOR ATTIC MOUNTED HEAT DETECTOR (DEVICE BY OTHERS). MAXIMUM 35'-0" FROM ANY POINT IN ATTIC AND 50'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO HEAT DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)
- WH 4SD J-BOX FOR WATER HEATER LOCATE ABOVE CEILING W/ COVER PLATE, HARD WIRE TO UNIT
- 100 CFM CEILING MOUNTED EXHAUST FAN. INTERLOCKED WITH LIGHT SWITCH

2x4 CEILING LIGHT WITH (3) T-8 LAMPS, LAY-IN FLUORESCENT LIGHT FIXTURE WITH DIMMABLE BALLAST ORACLE LIGHTING - MODEL 24-DT.332.2.T8A12.L41KC4 WATTAGE: 32W T8 (48"LG) OR EQUAL
EACH LIGHT FIXTURE WHICH IS INDICATED AS BEING AN EMERGENCY LIGHT SHALL HAVE A BALLAST BATTERY PACK INSTALLED ON THE FIXTURE. THE BATTERY PACK SHALL PROVIDE POWER TO A SINGLE LAMP WITHIN THE FIXTURE FOR NO LESS THAN 90 MINUTES. ANY LIGHT FIXTURE EQUIPPED WITH A BATTERY PACK SHALL BE WIRED IN SUCH A MANNER THAT THE BATTERY WILL BE ACTIVATED IMMEDIATELY UPON LOSS OF POWER TO THE FIXTURE. ADDITIONALLY THE BATTERY PACK SHALL BE OPERATED USING BATTERY POWER LIGHTING CONTROL SWITCHES AND SENSORS SHALL NOT BE ABLE TO SHUT THE FIXTURE OFF.

ELECTRICAL PANEL

VOLTS: 120/208 V | PANEL: "A" WALL MOUNTED HVAC | FEED: REAR
MAIN: | LOCATION: INTERIOR ACCESS | MOUNTING: FLUSH
100 A

LOAD	QTY	WATTS AØ	WATTS BØ	BREAKER Amps	BREAKER P	Circuit	A	B	Circuit	BREAKER Amps	BREAKER P	WATTS AØ	WATTS BØ	QTY	LOAD
RECEPTACLES	4	720		20	1	1			2	60	2	6870		1	4 TON HVAC - WALL MOUNT (4 KW)
RECEPTACLES/CLOCK	5		900	20	1	3			4	-	-		6670		-
INTERIOR LIGHTING	8	960		20	1	5			6						
EXTERIOR LIGHTING	1		40	20	1	7			8						
WALL RECEPTACLE (GFI)	1	180		20	1	9			10						
DED - SOLAR READY						11			12	20	1		40		FIRE ALARM (NOTE #2)
DED - SOLAR READY						13			14						
A = 8530 WATTS / PHASE		1860	940									6870	6710		B = 7650 WATTS / PHASE
TOTAL = 16,180 WATTS		78	AMPS	120/208	VOLTS	1 Ø			3 WIRE						

ELECTRICAL PANEL

VOLTS: 120/208 V | PANEL: "A" ROOF MOUNTED HVAC | FEED: REAR
MAIN: 100 A | LOCATION: INTERIOR ACCESS | MOUNTING: FLUSH

LOAD	QTY	WATTS AØ	WATTS BØ	BREAKER Amps	BREAKER P	Circuit	A	B	Circuit	BREAKER Amps	BREAKER P	WATTS AØ	WATTS BØ	QTY	LOAD
RECEPTACLES	4	720		20	1	1			2	70	2	7360		1	4 TON HVAC - ROOF MOUNT (5 KW)
RECEPTACLES/CLOCK	5		900	20	1	3			4	-			7360		-
INTERIOR LIGHTING	8	960		20	1	5			6						
EXTERIOR LIGHTING	1		40	20	1	7			8						
ROOF RECEPTACLE (GFI)	1	180		20	1	9			10						
DED - SOLAR READY						11			12	20	1		40		FIRE ALARM (NOTE #2)
DED - SOLAR READY						13			14						
A = 9220 WATTS / PHASE		1860	940									7360	7400		B = 8340 WATTS / PHASE
TOTAL = 17560 WATTS		84	AMPS	120/208	VOLTS	1 Ø			3 WIRE						

NOTE: PROVIDE A MINIMUM OF 72 SF SOLAR READY AREA PER MODULE. AREA TO BE A MINIMUM OF 5' IN ANY DIRECTION WITH A MINIMUM SPACE OF 80 SF PER BUILDING.

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
ELECTRICAL PLAN AND SCHEDULE
24' x 40'

LICENSED ARCHITECT JACK A. KENNEDY 23467 REN 01-31-2015 STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT NOT FOR CONSTRUCTION, BIDDING OR PERMIT. A SEPARATE APPLICATION FOR CONSTRUCTION IS REQUIRED

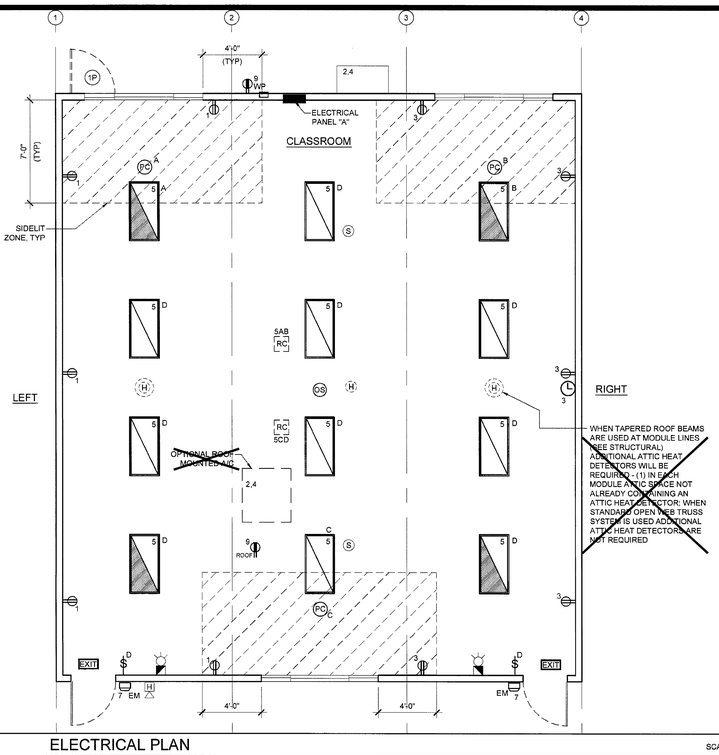
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
PC 04-114027
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

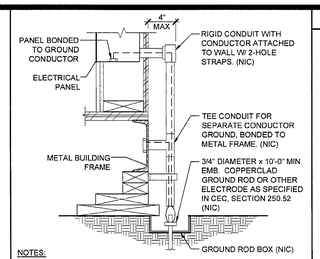
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-10-14

P.C. SHEET NUMBER
E-1.01



ELECTRICAL PLAN

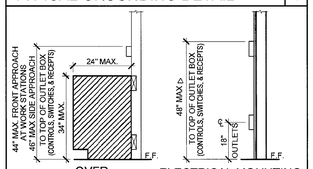
SCALE: 1/4" = 1'-0" | 4

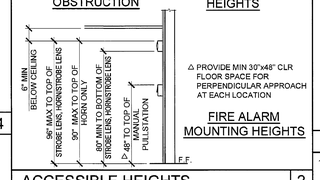


NOTES:

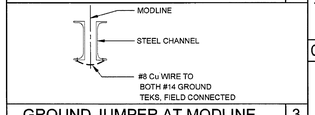
1. SIZE OF CONDUCTORS SHALL COMPLY WITH CEC TABLE 250.66
2. ELEC. TRADE SHALL CHECK AREA FOR EXISTING CONDUITS, SEWER, GAS & WATER PIPING BEFORE DRIVING GROUND RODS.
3. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELEC'L. PANEL & TO METAL BUILDING FRAME (CEC 250.52) IN ADDITION TO THE DETAIL SHOWN ABOVE. BOND THE ELECTRICAL GROUND TO METAL UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH THE EARTH FOR 10 FT. OR MORE, IF AVAILABLE (CEC 250.52)
4. ALL MODULES OF METAL FRAME BLDGS. SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING). BONDING SHALL INCLUDE METAL RAMP.
5. CHECK RESISTANT TO GROUND ROD, IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS WITH CONDUCTORS AS SHOWN SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS (CEC 250.56).

TYPICAL GROUNDING DETAIL | 1





ACCESSIBLE HEIGHTS | 2



GROUND JUMPER AT MODLINE | 3

GENERAL GROUNDING NOTES

EACH BUILDING SHALL BE SEPARATELY GROUNDED WITH A 3/4" RD. X 8' COPPERCLAD STEEL GROUND ROD. WHERE ROCK BOTTOM IS ENCOUNTERED, ROD SHALL BE DRIVEN AT AN ANGLE NOT TO EXCEED 45 DEGREE'S FROM THE VERTICAL OR SHALL BE BURIED IN A TRENCH THAT IS AT LEAST 30" DEEP (BY SITE ELECTRICAL).

TESTING TEST FOR RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCES TO 25 OHMS OR LESS. (BY SITE ELECTRICAL).

APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THIS FIRE ALARM FOR ALL SITES. THE FIRE ALARM SYSTEM AND/OR COMPONENTS MAYBE REQUIRED TO BE CHANGED DUE TO SITE LOCATION EXISTING CONDITIONS OR INCOMPATIBLE COMPONENTS.

GROUND MG TEST SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR. ALL GROUNDING SHALL BE IN ACCORDANCE WITH CEC ARTICLE 250.

NOT USED | 6

NOT USED | 5

SCHOOL EQUIPMENT ANCHORAGE

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2013 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8, 13.6.7, 13.6.5.6 AND 2013 CBC SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPA #).

COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AN BRACING OF THE PIPE, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

FIRE ALARM NOTES

1. SMOKE AND HEAT DETECTOR CONDUIT AND DEVICES PROVIDED AND INTERCONNECTED BY OTHERS TO FIRE ALARM SYSTEM
2. PROVIDE DEDICATED FIRE ALARM 120 VOLT CIRCUIT CONNECTED TO LOCKED-ON BREAKER. THE CIRCUIT BREAKER SHALL BE LOCKED-ON WITH APPROVED LOCKING DEVICE, MARKED RED AND IDENTIFIED AS "FIRE ALARM CONTROL CIRCUIT". NFPA 72, 10.6.5.2.

CONDUIT FILL AND CONDUCTOR CAPACITY TABLE

(ALL CONDUCTORS SHALL BE TYPE THHN/THWN 75 DEG. C. COPPER)

WIRE SIZE	CAPACITY	WIRE TYPE	NO. OF CONDUCTOR PERMITTED 1/2" C	3/4" C	1" C	1 1/4" C
#12	20A	THHN	9	16	25	45
#10	30A	THHN	5	10	16	28
#8	45A	THHN	2	5	8	14
#6	65A	THHN	1	3	5	10
#4	85A	THHN	1	2	4	7

JUNCTION BOX SIZE TABLE

BOX	SIZE	CU. IN.	MAX NO. OF CONDUCTORS #12	#10	#8	#6
4SS	1 1/4" x 4" SQ	18.0	8	7	6	0
4S	1 1/2" x 4" SQ	21.0	9	8	7	0
4SD	2 1/8" x 4" SQ	30.3	13	12	10	6
4SX	2 7/8" x 4" SQ	43.5	23	21	17	10
5SD	2 1/8" x 4-11/16" SQ	42.0	18	16	14	6
5SX	3 7/8" x 4-11/16" SQ	86.0	38	34	28	17
664	4" x 6" SQ	144.0	64	57	48	28

* DEDUCT ONE CONDUCTOR FOR (1) OR MORE GROUNDING CONDUCTORS ENTERING THE BOX

LEGEND

- 2x4 CEILING LIGHT WITH (3) T-8 LAMPS, LAY-IN FLUORESCENT LIGHT FIXTURE WITH DIMMABLE BALLAST ORACLE LIGHTING - MODEL 24.OT.332.2.T8A12.L41KC4 WATTAGE: 32W T8 (48"LG) OR EQUAL
- WALL MOUNTED HVAC UNIT. SEE MECHANICAL DWGS
- ~~ROOF MOUNTED HVAC UNIT. SEE MECHANICAL DWGS~~
- ELECTRICAL PANEL AT +60" AFF TO TOP OF ELECTRICAL PANEL WITH 1 1/2" DIA POWER STUB OUT
- (OS) CEILING MOUNTED OCCUPANCY SENSOR. WATTSTOPPER #LMPC-100 OR EQUAL.
- (PC) CEILING MOUNTED PHOTOCELL, WATTSTOPPER #LMLS-500
- (US) ULTRASONIC CEILING OCCUPANCY SENSOR. WATTSTOPPER W-500A OR EQUAL. SENSOR TO BE CONNECTED TO KEYED LIGHT SWITCHES FOR MANUAL OVERRIDE AND USE FOR RESTROOM W/ PARTITIONS.
- (WS-1) SINGLE SWITCH WALL OCCUPANCY SENSOR. WATTSTOPPER PW-100 OR EQUAL. SENSOR TO BE MOUNTED AT +44" AFF AND USE FOR OPEN ROOM (OR RESTROOM) LESS THAN 100 SQ FT W/ (1) CIRCUIT.
- (RC) LIGHTING MANAGEMENT SYSTEM ROOM CONTROLLER, INSTALLED ABOVE CEILING, LOCATION AND # OF LOADS/ZONES TO BE VERIFIED, WATTSTOPER # LMRC-2XX
- $D SINGLE BUTTON DIMMER SWITCH, AT +48" AFF, TO TOP OF OUTLET BOX, WATTSTOPPER #LMDM-101
- $ LIGHT SWITCH. MOUNT AT +48" AFF TO TOP OF OUTLET BOX
- $3 3-WAY LIGHT SWITCH. MOUNT AT +48" AFF TO TOP OF OUTLET BOX
- DUPLEX (WALL MOUNTED) RECEPTACLE 15A - 125V - 3 WIRE. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF DEVICE
- (WP) EXTERIOR WEATHER PROOF GFI RECEPTACLE AT +24 " AFF FOR A/C SERVICES (MAX 25'-0" FROM UNITS)
- (GFI) GROUND FAULT CIRCUIT INTERRUPT RECEPTACLE WITHIN 6'-0" OF ALL SINKS
- (ROOF) ROOF MOUNTED WEATHER PROOF GFI RECEPTACLE
- (EM) EXTERIOR LED LIGHT FIXTURE W/ 90 MIN. EMERGENCY BATTERY BACKUP WHEN 'EM' IS DESIGNATED NEXT TO FIXTURE W/ PHOTOCELL W/ 30w MAX. MOUNT AT +95" AFF
- CLOCK OUTLET AT +90" AFF TO CENTERLINE OF DEVICE
- (EXIT) EXIT SIGN WITH BATTERY BACK UP. EXIT SIGN REQUIRED FOR CLASSROOMS WITH TWO OR MORE EXTERIOR DOORS. CLASSROOMS WITH ONE EXTERIOR DOOR - OPTIONAL)
- 4SD J-BOX FOR FIRE ALARM PULLSTATION (DEVICE BY OTHERS). MOUNT AT +48" AFF TO TOP OF OUTLET BOX WITH 3/4" CONDUIT TO FIRE ALARM STROBE WITH PULLSTRING
- 4SD J-BOX FOR FIRE ALARM STROBE (DEVICE BY OTHERS). BOTTOM OF LENS SHALL BE BETWEEN 80" AND 96" AFF , WITH 3/4" CONDUIT TO EXTERIOR FIRE ALARM HORN WITH PULLSTRING
- (H) 4SD J-BOX FOR EXTERIOR FIRE ALARM HORN (DEVICE BY OTHERS). MOUNT AT +90" AFF TO TOP OF DEVICE WITH 3/4" CONDUIT STUBBED TO ATTIC WITH PULLSTRING
- RECESSED 4SD J-BOX W / COVER PLATE FOR FUTURE FIRE ALARM SYSTEM BY OTHERS. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF BOX AND PROVIDE 1" CO STUB TO ATTIC SPACE WITH PULLSTRING
- (S) 4SD J-BOX IN ATTIC FOR CEILING MOUNTED SMOKE DETECTOR (DEVICE BY OTHERS). MAXIMUM 21'-0" FROM ANY POINT IN ROOM AND 30'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO SMOKE DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)
- (H) 4SD J-BOX IN ATTIC FOR ATTIC MOUNTED HEAT DETECTOR (DEVICE BY OTHERS). MAXIMUM 35'-0" FROM ANY POINT IN ATTIC AND 50'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO HEAT DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)
- (WH) 4SD J-BOX FOR WATER HEATER LOCATE ABOVE CEILING W/ COVER PLATE. HARD WIRE TO UNIT
- 100 CFM CEILING MOUNTED EXHAUST FAN. INTERLOCKED WITH LIGHT SWITCH
- 2x4 CEILING LIGHT WITH (3) T-8 LAMPS, LAY-IN FLUORESCENT LIGHT FIXTURE WITH DIMMABLE BALLAST ORACLE LIGHTING - MODEL 24.OT.332.2.T8A12.L41KC4 WATTAGE: 32W T8 (48"LG) OR EQUAL EACH LIGHT FIXTURE WHICH IS INDICATED AS BEING AN EMERGENCY LIGHT SHALL HAVE A BALLAST BATTERY PACK INSTALLED ON THE FIXTURE. THE BATTERY PACK SHALL PROVIDE POWER TO A SINGLE LAMP WITHIN THE FIXTURE FOR NO LESS THAN 90 MINUTES. ANY LIGHT FIXTURE EQUIPPED WITH A BATTERY PACK SHALL BE WIRED IN SUCH A MANNER THAT THE BATTERY WILL BE ACTIVATED IMMEDIATELY UPON LOSS OF POWER TO THE FIXTURE. ADDITIONALLY THE BATTERY PACK SHALL BE OPERATED USING BATTERY POWER LIGHTING CONTROL SWITCHES AND SENSORS SHALL NOT BE ABLE TO SHUT THE FIXTURE OFF.

ELECTRICAL PANEL

VOLTS: 120/208 V | PANEL: "A" WALL MOUNTED HVAC | FEED: REAR
MAIN: 100 A | LOCATION: INTERIOR ACCESS | MOUNTING: FLUSH

LOAD	QTY	WATTS AØ	WATTS BØ	BREAKER Amps	BREAKER P	Circuit	A	B	Circuit	BREAKER Amps	BREAKER P	WATTS AØ	WATTS BØ	QTY	LOAD
RECEPTACLES	5	900		20	1	1			2	80	2	7705		1	5 TON HVAC - WALL MOUNT (5 KW)
RECEPTACLES/CLOCK	6		1080	20	1	3			4	-	-		7705		-
INTERIOR LIGHTING	12	1440		20	1	5			6						
EXTERIOR LIGHTING	2		75	20	1	7			8						
WALL RECEPTACLE (GFI)	1	180		20	1	9			10						
DED - SOLAR READY						11			12	20	1		40		FIRE ALARM (NOTE #2)
DED - SOLAR READY						13			14						
A = 10.225 WATTS / PHASE		2520	1155									7705	7745		B = 8,900 WATTS / PHASE
TOTAL = 19,125 WATTS		92		AMPS		120/208		VOLTS		1 Ø				3	WIRE

ELECTRICAL PANEL

VOLTS: 120/208 V | PANEL: "A" ROOF MOUNTED HVAC | FEED: REAR
MAIN: 100 A | LOCATION: INTERIOR ACCESS | MOUNTING: FLUSH

LOAD	QTY	WATTS AØ	WATTS BØ	BREAKER Amps	BREAKER P	Circuit	A	B	Circuit	BREAKER Amps	BREAKER P	WATTS AØ	WATTS BØ	QTY	LOAD
RECEPTACLES	5	900		20	1	1			2	80	2	8280		1	5 TON HVAC - ROOF MOUNT (5 KW)
RECEPTACLES/CLOCK	6		1080	20	1	3			4	-	-		8280		-
INTERIOR LIGHTING	12	1440		20	1	5			6						
EXTERIOR LIGHTING	2		75	20	1	7			8						
ROOF RECEPTACLE (GFI)	1	180		20	1	9			10						
DED - SOLAR READY						11			12	20	1		40		FIRE ALARM (NOTE #2)
DED - SOLAR READY						13			14						
A = 10,365 WATTS / PHASE		2085	1905									8280	8320		B = 10,225 WATTS / PHASE
TOTAL = 20,590 WATTS		99		AMPS		120/208		VOLTS		1 Ø				3	WIRE

NOTE: PROVIDE A MINIMUM OF 72 SF SOLAR READY AREA PER MODULE. AREA TO BE A MINIMUM OF 5' IN ANY DIRECTION WITH A MINIMUM SPACE OF 80 SF PER BUILDING.

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
ELECTRICAL PLAN AND SCHEDULE
36' x 40'

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
A SEPARATE APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
APPROVED
DATE APR 1 4 2015

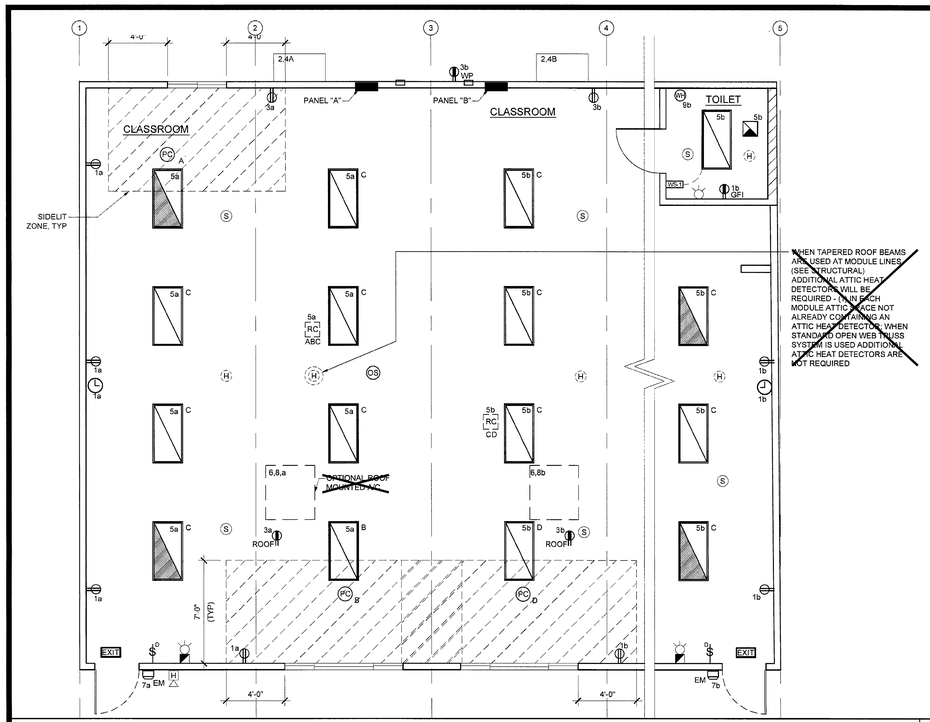
REVISIONS

1	
2	
3	
4	
5	
6	
7	
8	

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	09-10-14

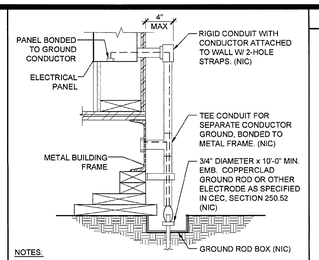
P.C. SHEET NUMBER
E-1.02



ELECTRICAL PLAN — SCALE: 1/4" = 1'-0" — 4

NOT USED — 6

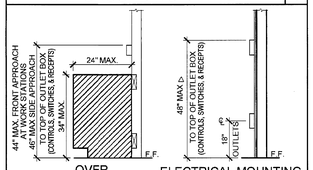
NOT USED — 5



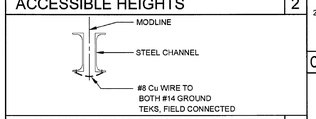
NOTES:

1. SIZE OF CONDUCTORS SHALL COMPLY WITH CEC TABLE 250.66
2. ELEC. TRADE SHALL CHECK AREA FOR EXISTING CONDUITS, SEWER, GAS & WATER PIPING BEFORE DRIVING GROUND RODS.
3. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELEC'L. PANEL & TO METAL BUILDING FRAME (CEC 250.52) IN ADDITION TO THE DETAIL SHOWN ABOVE. BOND THE ELECTRICAL GROUND TO METAL UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH THE EARTH FOR 10 FT. OR MORE, IF AVAILABLE (CEC 250.52)
4. ALL MODULES OF METAL FRAME BLDGS. SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING). BONDING SHALL INCLUDE METAL RAMP.
5. CHECK RESISTANT TO GROUND ROD, IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS WITH CONDUCTORS AS SHOWN SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS (CEC 250.56).

TYPICAL GROUNDING DETAIL — 1



ACCESSIBLE HEIGHTS — 2



GROUND JUMPER AT MODLINE — 3

GENERAL GROUNDING NOTES

EACH BUILDING SHALL BE SEPARATELY GROUNDED WITH A 3/4" RD. X 8' COPPERCLAD STEEL GROUND ROD, WHERE ROCK BOTTOM IS ENCOUNTERED, ROD SHALL BE DRIVEN AT AN ANGLE NOT TO EXCEED 45 DEGREES FROM THE VERTICAL OR SHALL BE BURIED IN A TRENCH THAT IS AT LEAST 30" DEEP (BY SITE ELECTRICAL).

TESTING: TEST FOR RESISTANCE TO GROUND, IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCES TO 25 OHMS OR LESS. (BY SITE ELECTRICAL).

APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THIS FIRE ALARM FOR ALL SITES. THE FIRE ALARM SYSTEM AND/OR COMPONENTS MAYBE REQUIRED TO BE CHANGED DUE TO SITE LOCATION EXISTING CONDITIONS OR INCOMPATIBLE COMPONENTS.

GROUND MG TEST SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR. ALL GROUNDING SHALL BE IN ACCORDANCE WITH CEC ARTICLE 250.

SCHOOL EQUIPMENT ANCHORAGE

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2013 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8, 13.6.7, 13.6.5.6 AND 2013 CBC SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPA #).

COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AN BRACING OF THE PIPE, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

FIRE ALARM NOTES

1. SMOKE AND HEAT DETECTOR CONDUIT AND DEVICES PROVIDED AND INTERCONNECTED BY OTHERS TO FIRE ALARM SYSTEM
2. PROVIDE DEDICATED FIRE ALARM 120 VOLT CIRCUIT CONNECTED TO LOCKED-ON BREAKER. THE CIRCUIT BREAKER SHALL BE LOCKED-ON WITH APPROVED LOCKING DEVICE, MARKED RED AND IDENTIFIED AS "FIRE ALARM CONTROL CIRCUIT". NFPA 72, 10.6.5.2.

CONDUIT FILL AND CONDUCTOR CAPACITY TABLE

(ALL CONDUCTORS SHALL BE TYPE THHN/THWN 75 DEG. C. COPPER)

WIRE SIZE	CAPACITY	WIRE TYPE	NO. OF CONDUCTOR PERMITTED 1/2" C	3/4" C	1" C	1 1/4" C
#12	20A	THHN	9	16	25	45
#10	30A	THHN	5	10	16	28
#8	45A	THHN	2	5	8	14
#6	65A	THHN	1	3	5	10
#4	85A	THHN	1	2	4	7

JUNCTION BOX SIZE TABLE

BOX	SIZE	CU. IN.	MAX NO. OF CONDUCTORS #12	#10	#8	#6
4SS	1 1/4" x 4" SQ	18.0	8	7	6	0
4S	1 1/2" x 4" SQ	21.0	9	8	7	0
4SD	2 1/8" x 4" SQ	30.3	13	12	10	6
4SX	2 7/8" x 4" SQ	43.5	23	21	17	10
5SD	2 1/8" x 4-11/16" SQ	42.0	18	16	14	6
5SX	3 7/8" x 4-11/16" SQ	86.0	38	34	28	17
664	4" x 6" SQ	144.0	64	57	48	28

* DEDUCT ONE CONDUCTOR FOR (1) OR MORE GROUNDING CONDUCTORS ENTERING THE BOX

LEGEND

- 2x4 CEILING LIGHT WITH (3) T-8 LAMPS, LAY-IN FLUORESCENT LIGHT FIXTURE WITH DIMMABLE BALLAST ORACLE LIGHTING - MODEL 24.OT.332.2.T8A12.L41KC4 WATTAGE: 32W T8 (48"LG) OR EQUAL
- WALL MOUNTED HVAC UNIT. SEE MECHANICAL DWGS
- ~~ROOF MOUNTED HVAC UNIT SEE MECHANICAL DWGS~~
- ELECTRICAL PANEL AT +60" AFF TO TOP OF ELECTRICAL PANEL WITH 1 1/2" DIA POWER STUB OUT
- (OS) CEILING MOUNTED OCCUPANCY SENSOR. WATTSTOPPER #LMPC-100 OR EQUAL
- (PC) CEILING MOUNTED PHOTOCELL, WATTSTOPPER #LMLS-500
- (US) ULTRASONIC CEILING OCCUPANCY SENSOR. WATTSTOPPER W-500A OR EQUAL. SENSOR TO BE CONNECTED TO KEYED LIGHT SWITCHES FOR MANUAL OVERRIDE AND USE FOR RESTROOM W/ PARTITIONS.
- WS-1 SINGLE SWITCH WALL OCCUPANCY SENSOR. WATTSTOPPER PW-100 OR EQUAL. SENSOR TO BE MOUNTED AT +44" AFF AND USE FOR OPEN ROOM (OR RESTROOM) LESS THAN 100 SQ FT W/ (1) CIRCUIT.
- RC LIGHTING MANAGEMENT SYSTEM ROOM CONTROLLER, INSTALLED ABOVE CEILING, LOCATION AND # OF LOADS/ZONES TO BE VERIFIED, WATTSTOPER # LMRC-2XX
- $D SINGLE BUTTON DIMMER SWITCH, AT +48" AFF, TO TOP OF OUTLET BOX, WATTSTOPPER #LMDM-101
- $ LIGHT SWITCH. MOUNT AT +48" AFF TO TOP OF OUTLET BOX
- $3 3-WAY LIGHT SWITCH. MOUNT AT +48" AFF TO TOP OF OUTLET BOX
- DUPLEX (WALL MOUNTED) RECEPTACLE 15A - 125V - 3 WIRE. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF DEVICE
- WP EXTERIOR WEATHER PROOF GFI RECEPTACLE AT +24 " AFF FOR A/C SERVICES (MAX 25'-0" FROM UNITS)
- GFI GROUND FAULT CIRCUIT INTERRUPT RECEPTACLE WITHIN 6'-0" OF ALL SINKS
- ROOF ROOF MOUNTED WEATHER PROOF GFI RECEPTACLE
- EM EXTERIOR LED LIGHT FIXTURE W/ 90 MIN. EMERGENCY BATTERY BACKUP WHEN 'EM' IS DESIGNATED NEXT TO FIXTURE W/ PHOTOCELL W/ 30w MAX. MOUNT AT +93" AFF
- CLOCK OUTLET AT +90" AFF TO CENTERLINE OF DEVICE
- EXIT EXIT SIGN WITH BATTERY BACK UP. EXIT SIGN REQUIRED FOR CLASSROOMS WITH TWO OR MORE EXTERIOR DOORS. CLASSROOMS WITH ONE EXTERIOR DOOR - OPTIONAL)
- 4SD J-BOX FOR FIRE ALARM PULLSTATION (DEVICE BY OTHERS). MOUNT AT +48" AFF TO TOP OF OUTLET BOX WITH 3/4" CONDUIT TO FIRE ALARM STROBE WITH PULLSTRING
- 4SD J-BOX FOR FIRE ALARM STROBE (DEVICE BY OTHERS). BOTTOM OF LENS SHALL BE BETWFFN 80" AND 96" AFF WITH 3/4" CONDUIT TO EXTERIOR FIRE ALARM HORN WITH PULLSTRING
- H 4SD J-BOX FOR EXTERIOR FIRE ALARM HORN (DEVICE BY OTHERS). MOUNT AT +90" AFF TO TOP OF DEVICE WITH 3/4" CONDUIT STUBBED TO ATTIC WITH PULLSTRING
- RECESSED 4SD J-BOX W / COVER PLATE FOR FUTURE FIRE ALARM SYSTEM BY OTHERS. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF BOX AND PROVIDE 1" CO STUB TO ATTIC SPACE WITH PULLSTRING
- S 4SD J-BOX IN ATTIC FOR CEILING MOUNTED SMOKE DETECTOR (DEVICE BY OTHERS). MAXIMUM 21'-0" FROM ANY POINT IN ROOM AND 30'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO SMOKE DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)
- H 4SD J-BOX IN ATTIC FOR ATTIC MOUNTED HEAT DETECTOR (DEVICE BY OTHERS). MAXIMUM 35'-0" FROM ANY POINT IN ATTIC AND 50'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO HEAT DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)
- WH 4SD J-BOX FOR WATER HEATER LOCATE ABOVE CEILING W/ COVER PLATE, HARD WIRE TO UNIT
- 100 CFM CEILING MOUNTED EXHAUST FAN. INTERLOCKED WITH LIGHT SWITCH
- 2x4 CEILING LIGHT WITH (3) T-8 LAMPS, LAY-IN FLUORESCENT LIGHT FIXTURE WITH DIMMABLE BALLAST ORACLE LIGHTING - MODEL 24.OT.332.2.T8A12.L41KC4 WATTAGE: 32W T8 (48"LG) OR EQUAL EACH LIGHT FIXTURE WHICH IS INDICATED AS BEING AN EMERGENCY LIGHT SHALL HAVE A BALLAST BATTERY PACK INSTALLED ON THE FIXTURE. THE BATTERY PACK SHALL PROVIDE POWER TO A SINGLE LAMP WITHIN THE FIXTURE FOR NO LESS THAN 90 MINUTES. ANY LIGHT FIXTURE EQUIPPED WITH A BATTERY PACK SHALL BE WIRED IN SUCH A MANNER THAT THE BATTERY WILL BE ACTIVATED IMMEDIATELY UPON LOSS OF POWER TO THE FIXTURE. ADDITIONALLY THE BATTERY PACK SHALL BE OPERATED USING BATTERY POWER LIGHTING CONTROL SWITCHES AND SENSORS SHALL NOT BE ABLE TO SHUT THE FIXTURE OFF.

ELECTRICAL PANEL

VOLTS: 120/208 V	PANEL: "A"											FEED: REAR	
MAIN: 100 A	LOCATION: INTERIOR ACCESS											MOUNTING: FLUSH	
LOAD	QTY	WATTS AØ	WATTS BØ	BREAKER Amps	P	Circuit	A	B	Circuit	BREAKER Amps	P	WATTS AØ	WATTS BØ	QTY	LOAD
RECEPTACLES/CLOCK	5	900		20	1	1			2	60	2	6870		1	4 TON HVAC - WALL MOUNT (4 KW)
RECEPTACLES/ROOF RECEPT GFI	2		360	20	1	3			4	-	-		6670		-
INTERIOR LIGHTING	8	960		20	1	5			6	70	2	7360		1	4 TON HVAC - ROOF MOUNT (OPT.)
EXTERIOR LIGHTING	1		40	20	1	7			8	-			7360		-
						9			10						
DED - SOLAR READY						11			12	20	1		40	1	FIRE ALARM (NOTE #2)
DED - SOLAR READY						13			14						
A = 9,220 WATTS / PHASE		1860	400									7360	7400		B = 7,800 WATTS / PHASE
TOTAL = 17,020 WATTS		82	AMPS	120/208	VOLTS	1 Ø			3 WIRE						

ELECTRICAL PANEL

VOLTS: 120/208 V	PANEL: "B"											FEED: REAR	
MAIN: 100 A	LOCATION: INTERIOR ACCESS											MOUNTING: FLUSH	
LOAD	QTY	WATTS AØ	WATTS BØ	BREAKER Amps	P	Circuit	A	B	Circuit	BREAKER Amps	P	WATTS AØ	WATTS BØ	QTY	LOAD
RECEPTACLES/CLOCK	5	900		20	1	1			2	60	2	6870		1	4 TON HVAC - WALL MOUNT (4 KW)
RECEPTACLES/ROOF RECEPT OR EXT GFI	2		360	20	1	3			4	-			6670		-
INTERIOR LIGHTING/FAN	9	786		20	1	5			6	70	2	7360		1	4 TON HVAC - ROOF MOUNT (OPT.)
EXTERIOR LIGHTING	1		40	20	1	7			8	-	-		7360		-
WATER HEATER (OPT.)	1	1500		20	1	9			10						
DED - SOLAR READY						11			12	20	1		40	1	FIRE ALARM (NOTE #2)
DED - SOLAR READY						13			14						
A = 10,546 WATTS / PHASE		3188	400									7360	7400		B = 7,800 WATTS / PHASE
TOTAL = 18,346 WATTS		88	AMPS	120/208	VOLTS	1 Ø			3 WIRE						

NOTE: PROVIDE A MINIMUM OF 72 SF SOLAR READY AREA PER MODULE. AREA TO BE A MINIMUM OF 5' IN ANY DIRECTION WITH A MINIMUM SPACE OF 80 SF PER BUILDING.

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE, PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
ELECTRICAL PLAN AND SCHEDULE
48' TO 120' x 40'

LICENSED ARCHITECT — JOHN SHELVEY — C-33497 — REN 01-31-2015 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE: 2013 CBC
A SEPARATE PERMIT APPLICATION FOR CONSTRUCTION IS REQUIRED

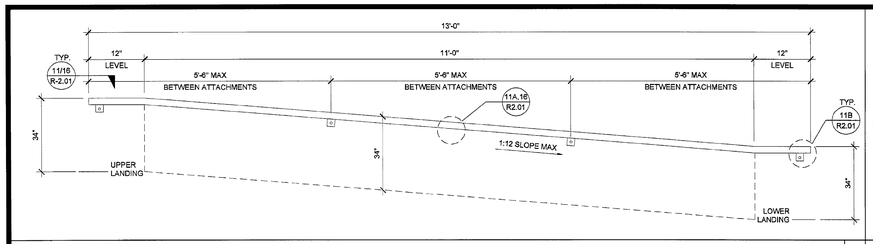
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
APPROVED FLS SS
DATE APR 1 6 2015

REVISIONS
1
2
3
4
5
6
7
8

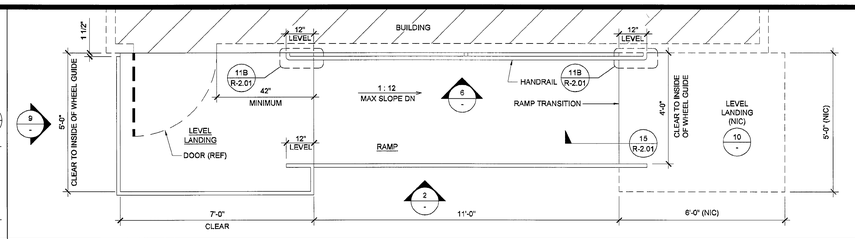
SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-10-14

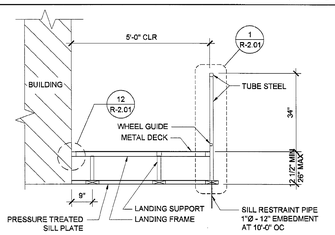
P.C. SHEET NUMBER
E-1.03



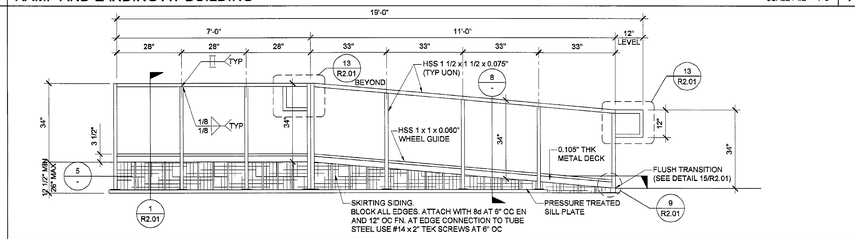
HANDRAIL ATTACHMENT TO BUILDING — SCALE : 1" = 1'-0" | 6



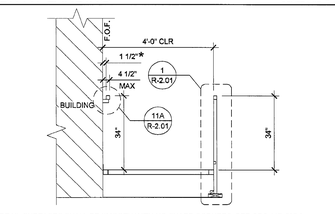
RAMP AND LANDING AT BUILDING — SCALE : 1/2" = 1'-0" | 1



SECTION AT LANDING — SCALE : 1/2" = 1'-0" | 7

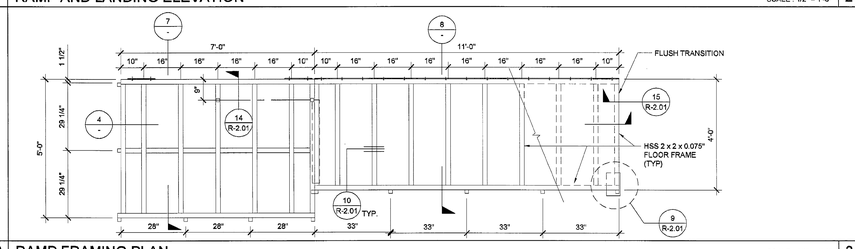


RAMP AND LANDING ELEVATION — SCALE : 1/2" = 1'-0" | 2

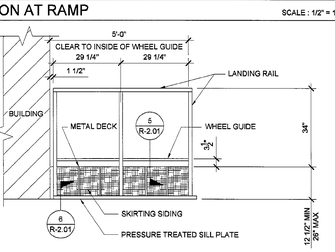


NOTE (a)
1. ALL HANDRAIL SURFACES SHALL BE SMOOTH WITH NO SHARP CORNERS, PER CBC 11B-505.8 WALL TO BE SMOOTH AND TO EXTEND 8" ABOVE HANDRAIL

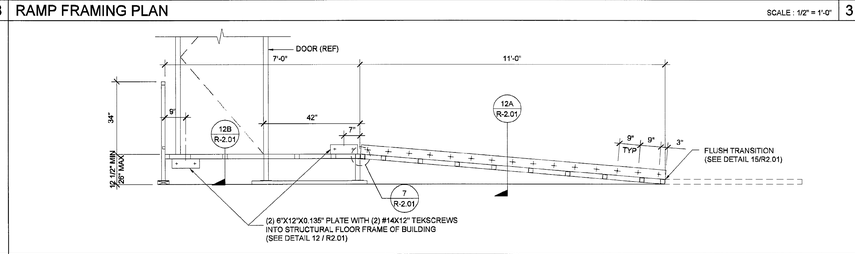
SECTION AT RAMP — SCALE : 1/2" = 1'-0" | 8



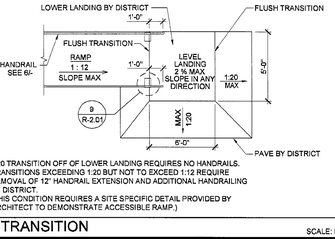
RAMP FRAMING PLAN — SCALE : 1/2" = 1'-0" | 3



LANDING ELEVATION — SCALE : 1/2" = 1'-0" | 9

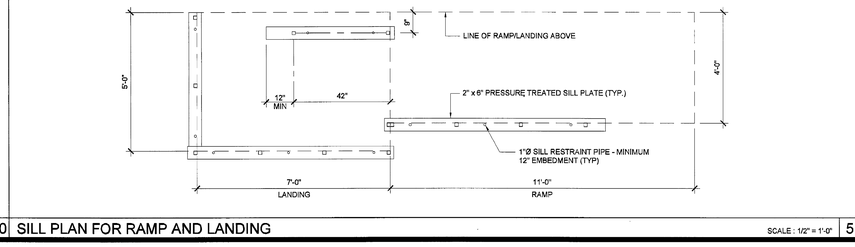


SECTION AT RAMP AND LANDING — SCALE : 1/2" = 1'-0" | 4



NOTE:
1. 1:20 TRANSITION OFF OF LOWER LANDING REQUIRES NO HANDRAILS. TRANSITIONS EXCEEDING 1:20 BUT NOT TO EXCEED 1:12 REQUIRE REMOVAL OF 12" HANDRAIL EXTENSION AND ADDITIONAL HANDRAILING BY DISTRICT. (THIS CONDITION REQUIRES A SITE SPECIFIC DETAIL PROVIDED BY ARCHITECT TO DEMONSTRATE ACCESSIBLE RAMP.)

RAMP TRANSITION — SCALE: NTS | 14



SILL PLAN FOR RAMP AND LANDING — SCALE : 1/2" = 1'-0" | 5

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
RAMP LANDING

C-33467
REN 01-31-2015
STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT FOR REVIEW AS ASPHANTIC PROJECT APPLICATION FOR CONSTRUCTION IS ASSIGNED

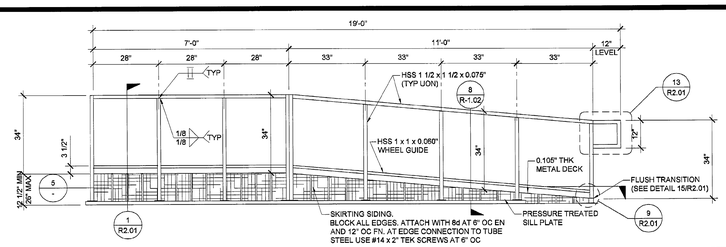
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
FILE 88
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

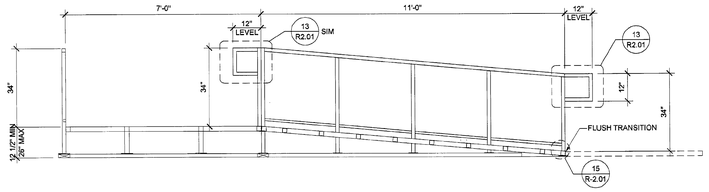
SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO.	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	09-10-14

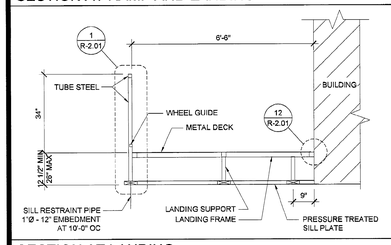
P.C. SHEET NUMBER
R-1.01



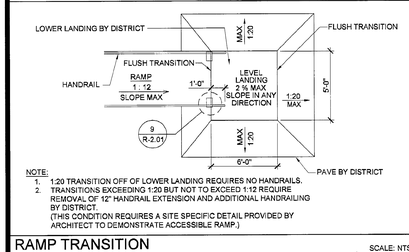
RAMP AND LANDING ELEVATION — SCALE : 1/2" = 1'-0" — 4



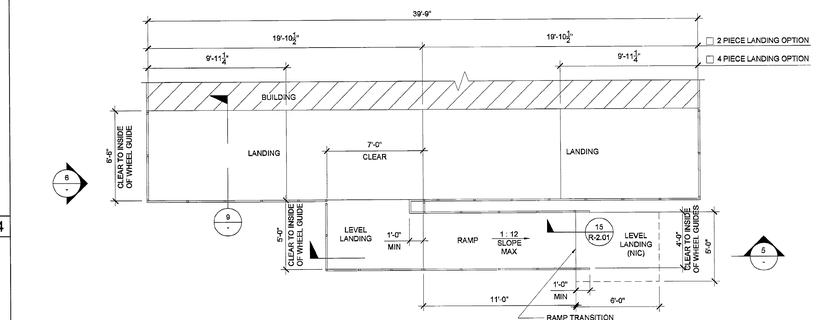
SECTION AT RAMP AND LANDING — SCALE : 1/2" = 1'-0" — 5



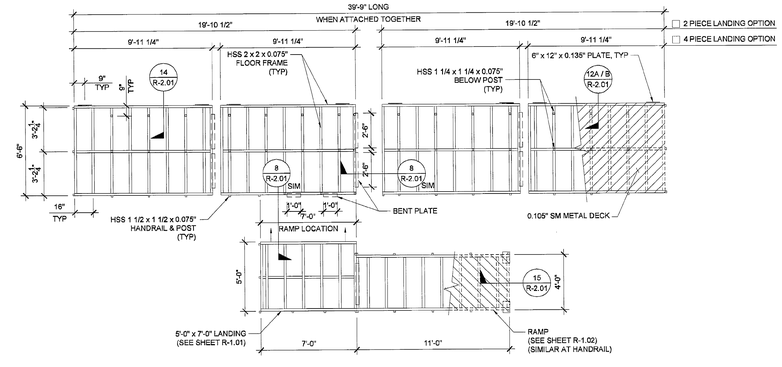
SECTION AT LANDING — SCALE : 1/2" = 1'-0" — 9



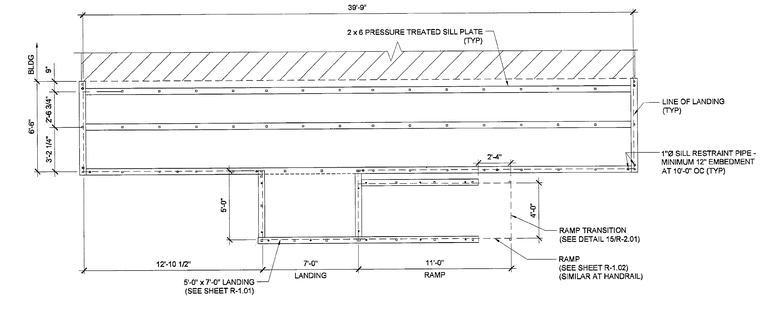
RAMP TRANSITION — SCALE: NTS — 10



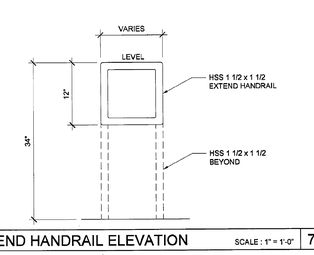
LANDING PLAN — SCALE : 1/4" = 1'-0" — 1



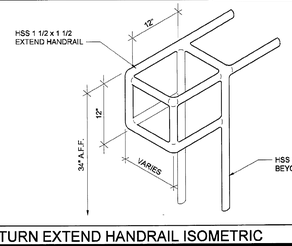
LANDING FRAME — SCALE : 1/4" = 1'-0" — 2



SILL PLAN FOR RAMP AND LANDING — SCALE : 1/4" = 1'-0" — 3



RETURN EXTEND HANDRAIL ELEVATION — SCALE : 1" = 1'-0" — 7



RETURN EXTEND HANDRAIL ISOMETRIC — SCALE : NTS — 8

11

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
RAMP LANDING

LICENSED ARCHITECT
JAMES R. SWANSON
C-33467
REN 01-31-2015
STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
NOT FOR CONSTRUCTION
A SEPARATE PERMIT APPLICATION FOR CONSTRUCTION IS REQUIRED

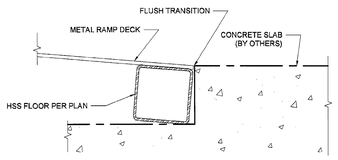
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
APP'D FLS SS
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

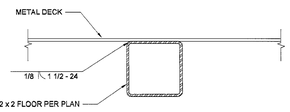
SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-10-14

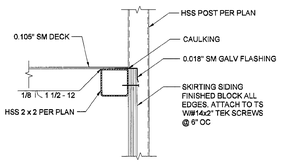
P.C. SHEET NUMBER
R-1.03



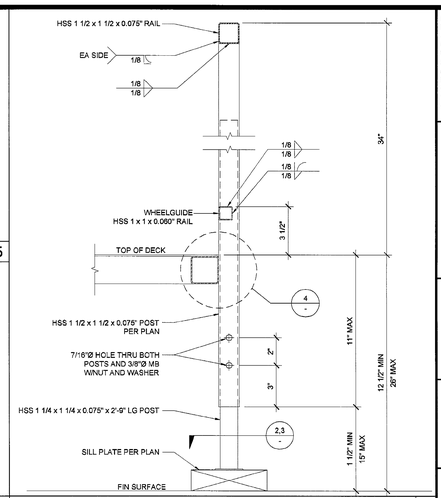
FLUSH TRANSITION AT BOTTOM OF RAMP SCALE : 6" = 1'-0" | 15



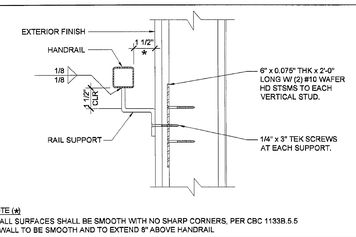
DECK TO FRAME SCALE : 6" = 1'-0" | 10



SKIRT FLASHING SCALE : 3" = 1'-0" | 5

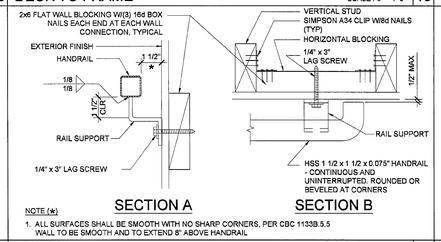


ADJUSTABLE LEG SCALE : 3" = 1'-0" | 1



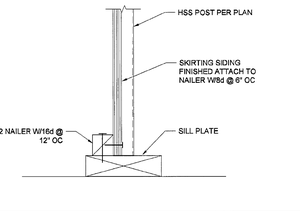
NOTE (✱)
1. ALL SURFACES SHALL BE SMOOTH WITH NO SHARP CORNERS, PER CBC 1133B.5.5 WALL TO BE SMOOTH AND TO EXTEND 8" ABOVE HANDRAIL

HANDRAIL CONNECTION AT SHEETMETAL BLKG SCALE : 3" = 1'-0" | 16

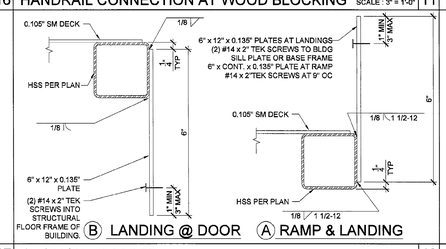


NOTE (✱)
1. ALL SURFACES SHALL BE SMOOTH WITH NO SHARP CORNERS, PER CBC 1133B.5.5 WALL TO BE SMOOTH AND TO EXTEND 8" ABOVE HANDRAIL

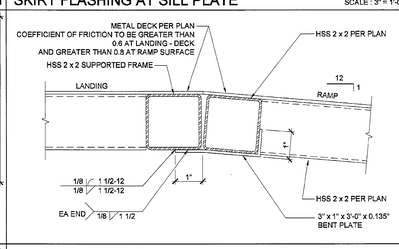
HANDRAIL CONNECTION AT WOOD BLOCKING SCALE : 3" = 1'-0" | 11



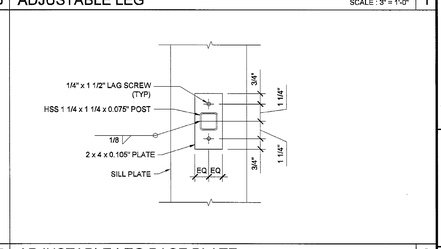
SKIRT FLASHING AT SILL PLATE SCALE : 3" = 1'-0" | 6



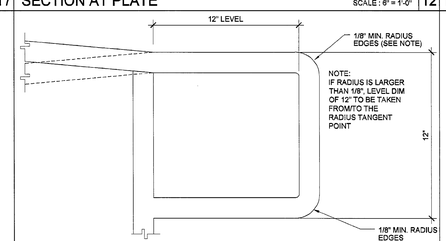
LANDING @ DOOR / RAMP & LANDING



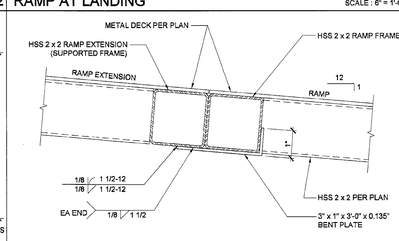
RAMP AT LANDING SCALE : 6" = 1'-0" | 7



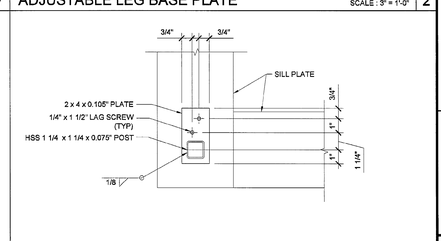
ADJUSTABLE LEG BASE PLATE SCALE : 3" = 1'-0" | 2



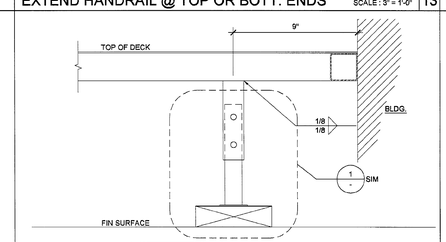
EXTEND HANDRAIL @ TOP OR BOTT. ENDS SCALE : 3" = 1'-0" | 13



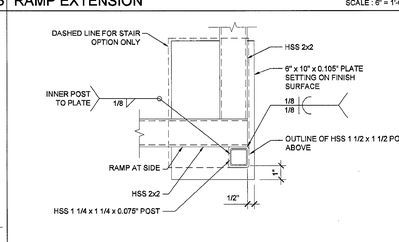
RAMP EXTENSION SCALE : 6" = 1'-0" | 8



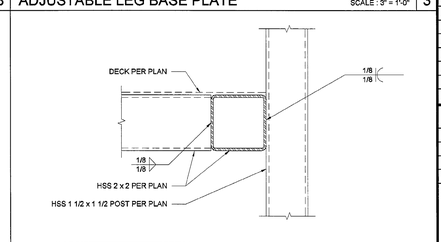
ADJUSTABLE LEG BASE PLATE SCALE : 3" = 1'-0" | 3



INTERIOR LANDING LEG SECTION SCALE : 3" = 1'-0" | 14



BASE PLATE AT RAMP TOE SCALE : 3" = 1'-0" | 9



GUARDRAIL POST ATTACHMENT SCALE : 6" = 1'-0" | 4

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
VARIOUS BUILDING SIZES

SHEET TITLE:
RAMP DETAILS

C-33467
REN 01-31-2015
STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT ONLY. A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114027
AC FLS SS
DATE APR 14 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
24' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	09-10-14

P.C. SHEET NUMBER
R-2.01

MODULAR CLASSROOM BUILDINGS

BUILDING SIZE: (3) 12x40 RESTROOM BLDGs

BY

SILVER CREEK INDUSTRIES, INC.

2830 BARRETT AVE, PERRIS, CALIFORNIA 92571

PHONE : (951) 943-5393 FAX : (951) 943-2211

PALOMAR COLLEGE EDUCATION CTR.

PALOMAR COLLEGE

12x40 RESTROOM BLDGs

GENERAL NOTES	BUILDING DATA
SEE PC SHEET A-0	SEE PC SHEET A-0
APPLICABLE STANDARDS	**WIND DESIGN DATA**
SEE PC SHEET A-0	
APPLICABLE CODES	**EARTHQUAKE DESIGN DATA**
SEE PC SHEET A-0	SEE PC SHEET A-0

SHEET INDEX

PROJECT SPECIFIC SHEET INDEX

SHT NO.	ARCHITECTURAL
A-0N	COVER SHEET
A-0.2N	SCHEDULES
A-1.00N	KEY PLAN
A-1.01N	FLOOR PLAN
A-2.01N	REFLECTED CEILING PLAN

PC SHEET INDEX

SHT NO.	ARCHITECTURAL
A-0	COVER SHEET
A-0A	T & I FORMS
A-0.0	BUILDING OPTIONS SCHEDULE
A-0.1	SYMBOLS LEGEND, ABBREVIATION, AND ADA SIGNAGE
A-0.2	SCHEDULES
A-0.5A	ENERGY COMPLIANCE FORMS
A-0.5B	ENERGY COMPLIANCE FORMS
A-0.5C	ENERGY CALC'S PRF FORMS ZONE 14 WORST CASE (MODEL E)
A-0.5D	ENERGY CALC'S PRF FORMS ZONE 15 WORST CASE (MODEL E)
A-0.5E	ENERGY CALC'S PRF FORMS ZONE 16 WORST CASE (MODEL E)
A-0.7	DESIGN ENERGY VALUES BY ZONE & CALGREEN SPECIFICATIONS
A-1.03	FLOOR PLAN - "MODEL C-1" OR "MODEL C-2"
A-2.03	REFLECTED CEILING PLAN - "MODEL C-1" OR "MODEL C-2"
A-2.20	CEILING DETAILS - T-GRID
A-3.01	ROOF PLAN - 0.018" METAL DECK- MONO OR DUAL SLOPE
A-3.50	ROOF DETAILS - 0.018" METAL DECK
A-4.06	EXTERIOR ELEVATIONS - "MODEL C-2" - MONO OR DUAL SLOPE
A-5.02	CROSS SECTION - DUAL SLOPE - 0.018" OR BUILT UP ROOF DECK
A-5.05	CROSS SECTION
A-5.50	ARCHITECTURAL DETAILS - WOOD STUD - WOOD SIDING
A-5.70	ARCHITECTURAL DETAILS - FLOOR
A-5.80	ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS
A-5.81	ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS
A-6.01	INTERIOR ELEVATIONS - WALL MOUNTED

SHT NO.	FOUNDATION
F-0.02	WOOD FOUNDATION PLAN - 12' x 40' (50+15 PSF)
F-0.50	FOUNDATION DETAILS - WOOD

SHT NO.	STRUCTURAL
S-0.1	STRUCTURAL SPECIFICATIONS
S-1.01	FLOOR FRAMING PLAN - WOOD FLOOR
S-1.50	FLOOR FRAMING DETAILS - WOOD FLOOR
S-2.11	ROOF FRAMING PLAN - 0.018", BUILT UP, OR TPO ROOF - DUAL SLOPE
S-2.51	ROOF FRAMING DETAILS - DUAL SLOPE
S-2.60	ROOF MISC. DETAILS
S-3.02	BUILDING SECTION - DUAL SLOPE ROOF
S-5.00	WALL FRAMING ELEVATIONS - WOOD STUDS
S-5.10	WALL FRAMING DETAILS - WOOD STUDS
S-5.11	WALL FRAMING DETAILS - WOOD STUDS

SHT NO.	PLUMBING
P-1.03A	PLUMBING PLAN AND ISOMETRICS - ADULT "MODEL C-1" OR "MODEL C-2
P-2.01	PLUMBING DETAILS AND SCHEDULE

SHT NO.	MECHANICAL
M-0.1	MECHANICAL NOTES, SCHEDULES, AND DETAILS

SHT NO.	ELECTRICAL
E-1.03	ELECTRICAL PLAN AND SCHEDULE - "MODEL C-1" OR "MODEL C-2"

SHT NO.	RAMP
R-1.03	RAMP LANDING
R-2.01	RAMP DETAILS

SILVER CREEK INDUSTRIES, INC.

"BUILDING FOR THE NEXT GENERATION"

SILVER CREEK

2830 BARRETT AVE. PERRIS, CALIFORNIA 92571

PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

PALOMAR COLLEGE EDUCATION CTR

PALOMAR COLLEGE

12x40 RESTROOM BLDGs

SHEET TITLE:

COVER SHEET

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

REVISIONS

1	
2	
3	
4	
5	
6	
7	
8	

SILVER CREEK INDUSTRIES

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	

SHEET NUMBER

A-0N

WINDOW SCHEDULE

WINDOW NO.	QTY	TYPE	WIDTH	HEIGHT	FUNCTION	FRAME MATERIAL	GLASS MATERIAL	WALL THICKNESS	NOTES

FINISH SCHEDULE

ROOM NAME	FLOORING		WALL FINISH				CEILING		NOTES
	FLOOR	BASE	FRONT	LEFT	REAR	RIGHT	CEILING	CEILING HT	
GIRLS 101 &105	SV	SC	FRP	FRP	FRP	FRP	GBP	8'-0"	
BOYS 102 &106	SV	SC	FRP	FRP	FRP	FRP	GBP	8'-0"	
STAFF 103	SV	SC	FRP	FRP	FRP	FRP	GBP	8'-0"	
STAFF 104	SV	SC	FRP	FRP	FRP	FRP	GBP	8'-0"	
VACUM RM 107	SV	SC	GYP	GYP	GYP	GYP	NO CEILING	NO CEILING	
IDF ROOM 108	SV	SC	F-PLY2	F-PLY2	F-PLY2	F-PLY2	NO CEILING	NO CEILING	

INSULATION SPECIFICATIONS

MOISTURE PROTECTION INSULATION:

DESCRIPTION OF WORK: THE FURNISHING AND INSTALLING OF ALL INSULATION FOR ALL CEILING, FLOOR AREAS, AND EXTERIOR WALLS. (CLASS A = 0-25 FLAME SPREAD.) SMOKE DEVELOPMENT DENSITY LESS THAN 450.

MATERIAL: INSULATING MATERIAL FOR WALLS, CEILINGS, AND FLOORS SHALL BE FIBERGLASS BATTS (UNFACED) AND SHALL COMPLY WITH CBC 720.2 & 720.3. INSULATION SHALL BE AS MANUFACTURED BY OWENS-CORNING FIBERGLASS CORPORATION, JOHNS-MANVILLE, CERTAINTIES, OR EQUAL.

EXTERIOR WALL INSULATION (MIN.)
- ☒ R-13 (2x4)
- ☒ R-19 (2x6)

INTERIOR WALL INSULATION (MIN.)
R-13

FLOOR INSULATION (MIN.)
R-19

ROOF INSULATION (MIN.)
R-30

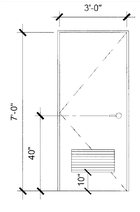
DOOR SCHEDULE

DOOR NO	WIDTH	HEIGHT	DOOR TYPE	QTY	DOOR MAT/FIN	FRAME MAT/FIN	HARDWARE SET	WALL THICKNESS	NOTES*
1	3'-0"	7'-0"	A		HM	KD	HW - 1	4 7/8"	
2	3'-0"	7'-0"	A		HM	KD	HW - 2	4 7/8"	NO CLOSER

DOOR MATERIAL AND FINISH ABBREVIATIONS

HM:	18GA HOLLOW METAL	KD:	KNOCK DOWN FRAME	*EXTERIOR DOORS TO BE UNINSULATED SINGLE LAYER DOORS W/ U-FACTOR OF 0.500 MAX
WF:	16GA WELDED FRAME	SCL:	SOLID CORE WOOD LEGACY	
AL:	ALUMINUM	HC:	HOLLOW CORE WOOD	
SST:	STAINLESS STEEL	PT:	PAINTED	

DOOR TYPES & NOTES



DOOR TYPE "A"

1. DOOR HANDLE FOR LOCKSETS AND PANIC HARDWARE TO BE CENTERED AT 40" AFF. HARDWARE TO BE OPENED FROM THE INSIDE WITHOUT THE USE OF A KEY OR SPECIAL TOOLS, KNOWLEDGE OR EFFORT. LEVERS TO RETURN TO WITHIN 1/2" OF DOOR.
2. ALL DOORS SHALL BE 1 3/4" THICK U.N.O.
3. CLOSER SHALL BE SET FOR MAXIMUM OPENING PRESSURE OF 5 LBS AT EXTERIOR AND INTERIOR DOORS.
4. PANIC HARDWARE IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER. CBC 1008.1.10
5. ALL HARDWARE SHALL COMPLY WITH SILVER CREEK'S SPEC'S ON THIS SHEET AND CBC SECTIONS 11B-206.5, 11B-404.1 AND 1008.
6. DOOR CLOSER SHALL BE ADJUSTED TO SO THAT FROM AN OPEN POSITION OF 70°, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3" FROM THE LATCH, MEASURED TO THE LANDING SIDE OF THE DOOR
7. PANIC AND FIRE EXIT HARDWARE. WHERE THIS TYPE HARDWARE IS INSTALLED, IT SHALL COMPLY WITH THE FOLLOWING: - THE ACTUATING PORTION OF THE RELEASING DEVICE SHALL EXTEND AT LEAST ONE-HALF OF THE DOOR LEAF WIDTH. - THE MAXIMUM UNLATCHING FORCE SHALL NOT EXCEED 5LBS PER THE 2013 CBC APPROVED BY AUTHORITY W/ JURISDICTION, PANIC HARDWARE SHALL COMPLY WITH CBC SECTION 1008.1.10
8. THE FIRE PROTECTION FOR EXTERIOR WALL IS DETERMINED BASED UPON THE FIRE SEPARATION DISTANCE IN WHICH THE WALL IS LOCATED. SEE CBC TABLE 705.8 OR TABLE 602

FLOOR, WALL, CEILING MATERIALS

FLOORING
- F-PLY1 1 1/8" FIRE RATED PLYWOOD (NOT PAINTED)
- SV: SHEET VINYL FLOORING

BASE

WALLS
- F-PLY2 5/8" FIRE RATED PLYWOOD (NOT PAINTED)
- FRP: 1/8" FIBER REINFORCED PANEL OVER ½" WATER RESISTANT GYPSUM BOARD
- GYP 5/8" TYPE X GYPBOARD, TAPE, TEXTURE AND PAINT ON SITE BY OTHERS

CEILING
- CP: ACOUSTICAL LAY IN GRID CEILING PANELS (SEE SPECIFICATION NOTES ON REFLECTED CEILING PLAN)

FINISH NOTES

1. ALL FINISHES SHALL COMPLY WITH CBC, CFC AND TITLE 19 CCR.
2. PREPARATION FOR SUB-FLOOR TO ACCEPT FINISH FLOORING IS BY FLOORING CONTRACTOR. PLYWOOD SUB-FLOOR IS 2.4.1. PLYWOOD. OUTER PLYWOOD IS PLUGGED AND TOUCH SANDED. ANY DEFORMITIES DUE TO STANDARD CONSTRUCTION PRACTICES SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR. THE JOINT AT THE MODLINE SHALL NOT BE LARGER THAN 1/8" AND SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR.
3. RESILIENT FLOORING DEMONSTRATING A COEFFICIENT OF FRICTION OF AT LEAST 0.6 PER ASTM D2047, WILL BE ACCEPTED AS MEETING THE INTENT OF SLIP RESISTANCE.
4. CARPET SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT, OR LEVEL CUT / UNCUT PILE TEXTURE AND MAXIMUM PILE HEIGHT OF 1/2" PER THE 2013 CBC. CARPET EDGE SHALL COMPLY WITH THE 2013 CBC
5. INTERIOR WALL AND CEILING FINISHES SHALL HAVE A MIN. CLASS 'C' RATING. FLAME SPREAD INDEX 76-200 & SMOKE DEVELOPED INDEX 0-450 PER 2013 CBC 803.

DOOR HARDWARE

BOYS & GIRLS RESTROOM - EXTERIOR DOOR HW-1

LOCKSET	SCHLAGE ND70PDRHO626 (cylindrical)	Finish 26D	or equal
BUTTS	HAGER BB1191 4 ½" x 4 ½" NRP	Finish 26D	or equal
CLOSER	NORTON 8501 BFDA (OPTIONAL)	Finish 689	or equal
WEATHER STRIP	HAGER 891SAV 3684	Finish Alum	or equal
THRESHOLD	HAGER 413SA 36	Finish Alum	or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum	or equal
LOUVER	ANEMO 24 x 12	Finish Bronze	or equal

STAFF RESTROOM - EXTERIOR DOOR HW-2

LOCKSET	SCHLAGE ND85PDRHO626 (cylindrical)	Finish 26D	or equal
BUTTS	HAGER BB1191 4 ½" x 4 ½" NRP	Finish 26D	or equal
WEATHER STRIP	HAGER 891SAV 3684	Finish Alum	or equal
THRESHOLD	HAGER 413SA 36	Finish Alum	or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum	or equal
LOUVER	ANEMO 24 x 12	Finish Bronze	or equal

SILVER CREEK INDUSTRIES, INC.

SILVER CREEK
Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

PALOMAR COLLEGE EDUCATION CTR
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:

SCHEDULES

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

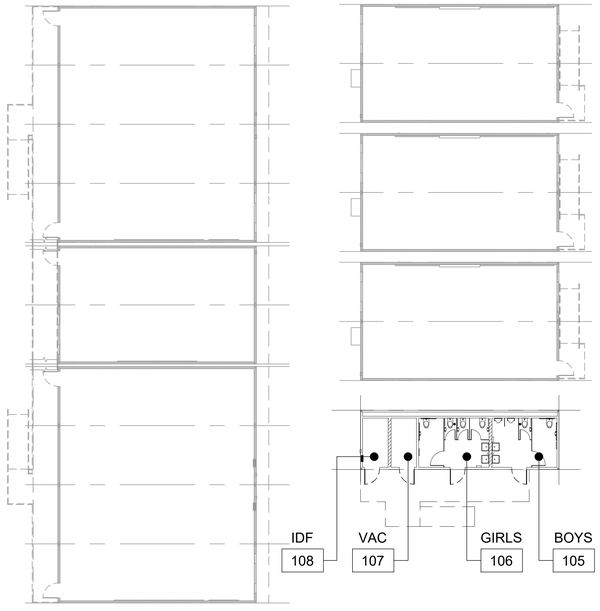
REVISIONS
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8

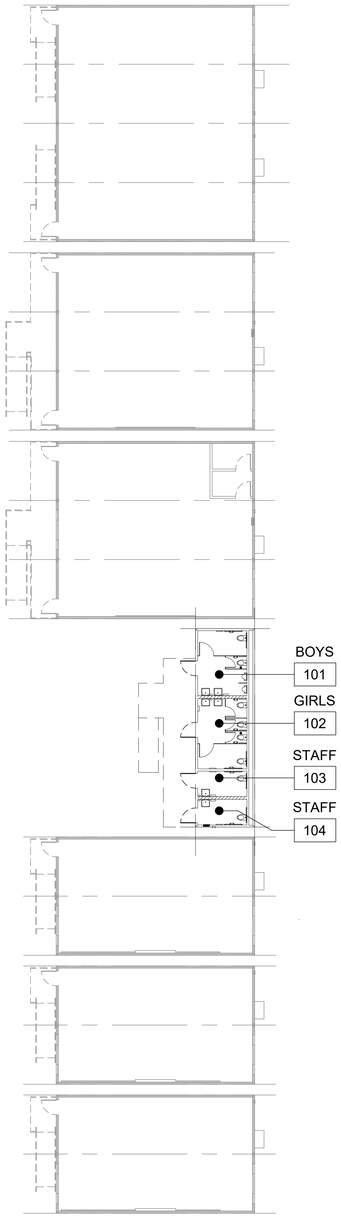
SILVER CREEK INDUSTRIES

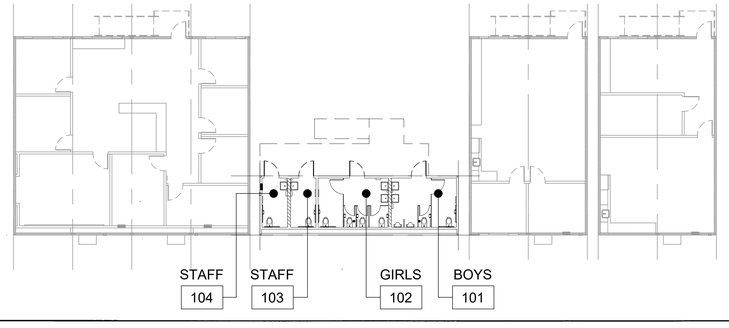
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE:

SHEET NUMBER

A-0.2N







KEY PLAN

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

PALOMAR COLLEGE EDUCATION CTR
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:

KEY PLAN

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

REVISIONS

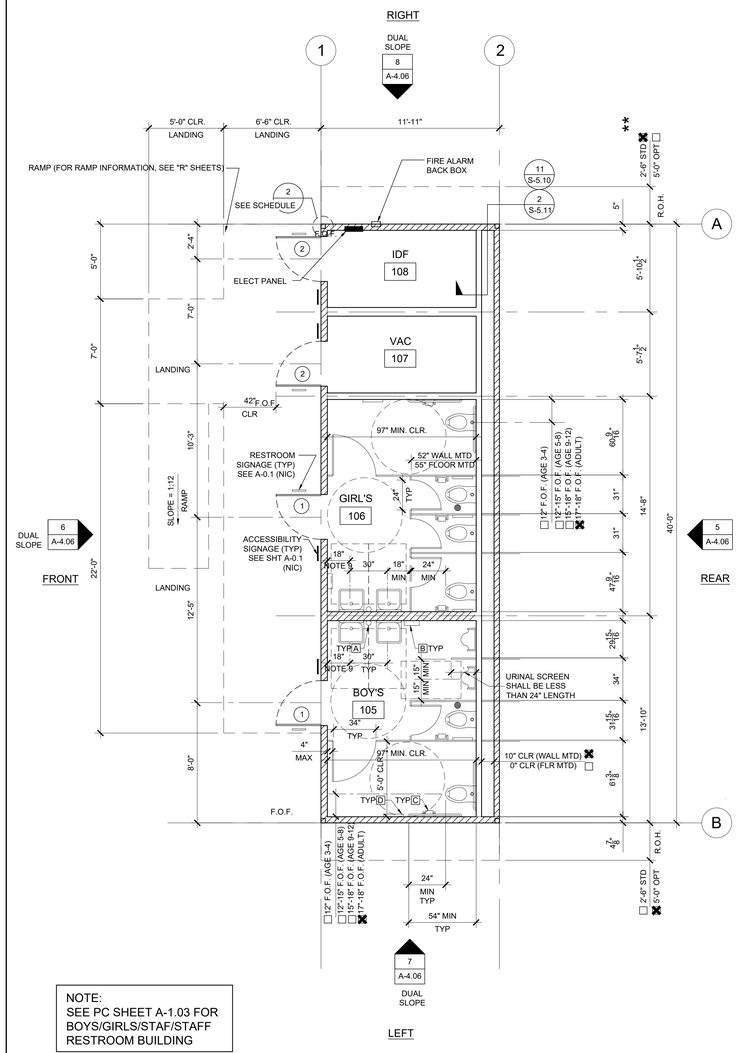
1	
2	
3	
4	
5	
6	
7	
8	

SILVER CREEK INDUSTRIES

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	

SHEET NUMBER

A-1.00N



NOTE:
SEE PC SHEET A-1.03 FOR BOYS/GIRLS/STAF/STAFF RESTROOM BUILDING

12x40 RESTROOM / VAC BLDG

SCALE: 1/4" = 1'-0" | 1

NOTES

SEE PC
SHEET A-1.03

DETAIL SCHEDULE

FINISH:	SHEET #:
✖ SIDING OVER WOOD STUDS (WUI COMPLIANT DURATEMP)A-5.50	

WALL LEGEND

- NOMINAL 4" WALL STUD ✖
- NOMINAL 6" WALL STUD ✖
- NOMINAL 8" WALL STUD ☐

SILVER CREEK INDUSTRIES, INC.
"BUILDING FOR THE NEXT GENERATION"
SILVER CREEK
2830 BARRETT AVE. PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

PALOMAR COLLEGE EDUCATION CTR
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:

FLOOR PLAN
24' x 40'

ARCHITECT OF RECORD SUBMISSION DATE

STEVEN M. SHIMEK
No. C-34617
REN: 01-31-2019
STATE OF CALIFORNIA

PROJECT SPECIFIC STATE AGENCY APPROVAL

REVISIONS

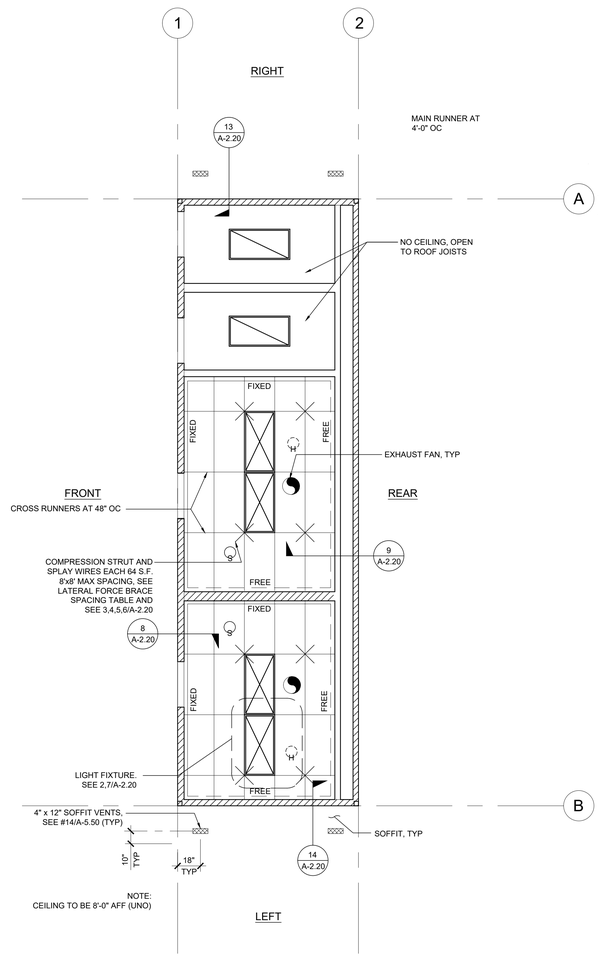
1	
2	
3	
4	
5	
6	
7	
8	

SILVER CREEK INDUSTRIES

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	

SHEET NUMBER

A-1.01N



NOTE:
SEE PC SHEET A-2.03 FOR
BOYS/GIRLS/STAF/STAFF
RESTROOM BUILDING

LEGEND

- T-BAR CEILING
- FIELD INSTALLED PANEL AT MODULE LINE
- 2' x 4' RECESSED LIGHT FIXTURE
- "OPTIONAL" 1' x 4' RECESSED LIGHT FIXTURE
- SPLAY WIRE
- CEILING EXHAUST FAN
- (OS) CEILING MOUNTED OCCUPANCY SENSOR
- (PC) CEILING MOUNTED PHOTOCELL
- (S) CEILING MOUNTED SMOKE DETECTOR
- (H) ATTIC MOUNTED HEAT DETECTOR

NOTE:
FOR ALL REFLECTED CEILING NOTES
SEE SHEET A-0.1

LATERAL FORCE BRACE SPACING

DESIGN SPECTRAL ACCELERATION PARAMETER (S_{DS})	BRACE ASSEMBLY SPACING
LESS THAN OR EQUAL TO 1.15	12' X 12' - FULL BUILDING HEIGHT
GREATER THAN 1.15 AND LESS THAN OR EQ. TO 1.73	6' X 12' - FOR z/h GREATER THAN 0.5 12'X12' FOR z/h LESS THAN OR EQUAL TO 0.5
GREATER THAN 1.73	8'X8' FOR z/h GREATER THAN 0.5 8'X12' FOR z/h LESS THAN OR EQUAL TO 0.5

z = HEIGHT IN STRUCTURE OF POINT OF ATTACHMENT OF CEILING W/ RESPECT TO BASE.
h = AVERAGE ROOF HEIGHT OF THE STRUCTURE WITH RESPECT TO THE BASE.
THERE SHALL BE A BRACE ASSEMBLY A DISTANCE NOT MORE THAN 1/2 OF THE ABOVE SPACING FROM EACH SURROUNDING WALL & EXPANSION JOINT.

T-BAR SCHEDULE

ARMSTRONG PART NUMBERS ICC-ES ESR-1308

MAIN RUNNER: 7301
4' CROSS TEE: XL7341
2' CROSS TEE: XL7328

STANDARD 7/8" WALL ANGLE WITH BERC-2 CLIP (ICC #ESR-1308) 2" WALL ANGLE: 7810 (OPTIONAL)

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:
REFLECTED CEILING PLAN

ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE:

SHEET NUMBER
A-2.01N

2 REFLECTED CEILING PLAN SCALE: 1/4" = 1'-0" 1

MODULAR TOILET BUILDINGS - 12' X 40'
(MODELS 'A', 'B', 'C' AND 'D')
AND OPTIONAL WORKROOM 12' X 40'
(MODEL 'E')

PC 04-114135 HIGH SEISMIC

BY

SILVER CREEK INDUSTRIES, INC.

2830 BARRETT AVE, PERRIS, CALIFORNIA 92571
PHONE : (951) 943-5393 FAX : (951) 943-2211

GENERAL NOTES

1. FIRE ALARM IS NOT PART OF THIS APPROVAL
2. ALLOWABLE AREA IS BASED ON 10' SET BACK FROM IMAGINARY ASSUMED LINE PER 2013 CBC 705.3
3. THIS PC IS DESIGNED STRUCTURALLY TO SUPPORT THE WEIGHT OF A FIRE SPRINKLER SYSTEM.
4. PC IS DESIGNED AS A SINGLE STORY MODULAR BUILDING
5. FOR SOILS TYPES / DESIGN BEARING STRENGTH, SEE STRUCTURAL SPECIFICATIONS
6. ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
7. THIS PC IS NOT APPROVED FOR "A" OCCUPANCY USES
8. EXTERIOR WALL OPENINGS TO COMPLY W 705.8, 2013 CBC.
9. EXTERIOR PROJECTIONS ARE TO BE FIRE PROTECTED WHERE REQUIRED BY SECTIONS 705.2 & 1406.
10. SEE SHEETS A-0.7 FOR REQUIRED BUILDING ENVELOPE ASSEMBLIES AND HVAC SYSTEM.
11. PURSUANT TO D.S.A. APPROVAL ALL PRODUCTS CAN BE SUBSTITUTED BY AN "EQUAL"
12. BUILDING(S) TO BE LOCATED IN ANY FIRE HAZARD SEVERITY ZONE OR ANY WILDLAND - URBAN INTERFACE FIRE AREA SHALL COMPLY WITH CBC CHAPTER 7A.
13. WHEN THE PRE-CHECKED BUILDING IS SITE ADAPTED, THE BUILDING AND SITE FEATURES NEED TO COMPLY WITH CALGREEN CODE, SECTION 5.507.4 FOR THE SITE SPECIFIC LOCATION
14. IN THE EVENT THAT A PC CLASSROOM IS DESIGNED TO CONNECT TO THE SAME PC CLASSROOM, INTERIOR SOUND TRANSMISSION IN THE INTERIOR ADJOINING WALL AND FLOOR-CEILING SHALL MEET THE MINIMUM REQUIREMENTS OF THE STC RATING OF 40 PER CALGREEN CODE, SECTION 5.507.4.3.

APPLICABLE STANDARDS

NFPA 13	AUTOMATIC SPRINKLER SYSTEMS (CALIF AMENDED) 2013 EDITION
NFPA 72	NAT. FIRE ALARM CODE (CALIF. AMENDED) 2013 EDITION (NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES")

APPLICABLE CODES

LIST OF 2013 CALIFORNIA CODE OF REGULATIONS

2013 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 C.C.R.
2013 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
(2012 INTERNATIONAL BUILDING CODE VOLUMES 1-2 AND 2013 CALIFORNIA AMENDMENTS)
2013 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
(2011 NATIONAL ELECTRICAL CODE AND 2013 CALIFORNIA AMENDMENTS)
2013 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
(2012 UNIFORM MECHANICAL CODE AND 2013 CALIFORNIA AMENDMENTS)
2013 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
(2012 UNIFORM PLUMBING CODE AND 2013 CALIFORNIA AMENDMENTS)
2013 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.
2013 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
(2012 INTERNATIONAL FIRE CODE AND 2013 CALIFORNIA AMENDMENTS)
2013 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 C.C.R.
2013 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
2007 ASME A17.1 (w/A17.1a/CSA **B44a-08** ADDENDA) SAFETY CODE FOR ELEVATORS AND ESCALATORS

BUILDING DATA

NUMBER OF STORIES:	1 - STORY
OCCUPANCY:	E: 12' x 40' BLDG
TYPE OF CONSTRUCTION:	VB
FLOOR LIVE LOAD:	☐ 50 PSF ☒ 50+15 PSF PARTITION LOAD ☐ 100 PSF ☐ 150 PSF
ROOF LIVE LOAD:	20 PSF
FLOOR DEAD LOAD:	☒ WOOD FLOOR - 11 PSF ☐ CONC FLOOR - 33 PSF
ROOF DEAD LOAD:	17 PSF (INCLUDING SPRINKLER LOAD)
RAMP LIVE LOAD:	100 PSF
BUILDING AREA:	12'x40' BLDG - 480 SF (WITHOUT OVERHANGS) 12'x40' BLDG - 540 SF (WITHOVERHANGS)
ALLOWABLE AREA: 9'5005F	
FOUNDATION:	☒ WOOD ☐ CONCRETE
CEC CLIMATE ZONES:	1- 16

WIND DESIGN DATA (HIGH SEISMIC)

1. ULTIMATE WIND SPEED, 3 SEC GUST (MPH):	Vult=130 MPH/Vasd=100 MPH/Kzt = 1.0*		
2. RISK CATEGORY :			II
3. WIND EXPOSURE :			"C"
4. APPLICABLE INTERNAL PRESSURE COEFFICIENT :			± 0.18
5. COMPONENTS AND CLADDING : (STRENGTH LEVEL, PSF)			
ZONE 1 =	36.9	ZONE 4 =	36.6
ZONE 2 =	61.9	ZONE 5 =	45.0
ZONE 3 =	93.1		

EARTHQUAKE DESIGN DATA SECTION 1603.A.1.5

1. SEISMIC IMPORTANCE FACTOR :			1.0
2. MAPPED SPECTRAL RESPONSE :			
S_S = 2.80 (FOR BASE SHEAR)		S_1 = 1.00	
3. SITE CLASS			D
4. SPECTRAL RESPONSE COEFFICIENTS :			
S_{DS} = 1.493		S_{D1} = 1.00	
5. SEISMIC DESIGN CATEGORY :			E
6. BASIC SEISMIC-FORCE-RESISTING-SYSTEM :			STEEL OMF / SHEARWALL
7. DESIGN BASE SHEAR (kips) :			

CONC FLOOR	PLY FLOOR	LL<100	LL=150	TRANSVERSE (END WALL)	LONGITUDINAL (SIDE WALL)
X		X		15.60K	28.98K
	X	X		12.45K	23.12K
X			X	19.13K	36.30K
	X		X	15.88K	30.44K

8. SEISMIC RESPONSE COEFFICIENT, Cs : (OMF)		0.427
8a. SEISMIC RESPONSE COEFFICIENT, Cs : (SW)		0.230
9. RESPONSE MODIFICATION FACTOR, R : (OMF)		3.5
9a. RESPONSE MODIFICATION FACTOR, R : (SW)		6.5
10. ANALYSIS PROCEDURE USED :		EQUIVALENT LATERAL FORCE

SHEET INDEX

SHT NO.	ARCHITECTURAL
A-0	COVER SHEET
A-0A	T & I FORMS
~~A-0B~~	~~T & I FORMS~~
A-0.0	BUILDING OPTIONS SCHEDULE
A-0.1	SYMBOLS LEGEND, ABBREVIATION, AND ADA SIGNAGE
A-0.2	SCHEDULES
A-0.5A	ENERGY COMPLIANCE FORMS
A-0.5B	ENERGY COMPLIANCE FORMS
A-0.5C	ENERGY CALC'S PRF FORMS ZONE 14 WORST CASE (MODEL E)
A-0.5D	ENERGY CALC'S PRF FORMS ZONE 15 WORST CASE (MODEL E)
A-0.5E	ENERGY CALC'S PRF FORMS ZONE 16 WORST CASE (MODEL E)
A-0.7	DESIGN ENERGY VALUES BY ZONE & CALGREEN SPECIFICATIONS
~~A-1.01~~	~~FLOOR PLAN - "MODEL A-1" OR "MODEL A-2"~~
~~A-1.02~~	~~FLOOR PLAN - "MODEL B-1" OR "MODEL B-2"~~
A-1.03	FLOOR PLAN - "MODEL C-1" OR "MODEL C-2"
~~A-1.04~~	~~FLOOR PLAN - "MODEL D-1" OR "MODEL D-2"~~
~~A-2.01~~	~~REFLECTED CEILING PLAN - "MODEL A-1" OR "MODEL A-2"~~
~~A-2.02~~	~~REFLECTED CEILING PLAN - "MODEL B-1" OR "MODEL B-2"~~
A-2.03	REFLECTED CEILING PLAN - "MODEL C-1" OR "MODEL C-2"
~~A-2.04~~	~~REFLECTED CEILING PLAN - "MODEL D-1" OR "MODEL D"~~
A-2.20	CEILING DETAILS - T-GRID
~~A-3.21~~	~~CEILING DETAILS - HARD LID~~
A-3.01	ROOF PLAN - 0.018" METAL DECK- MONO OR DUAL SLOPE
~~A-3.11~~	~~ROOF PLAN - 0.036" METAL DECK- MONO OR DUAL SLOPE~~
~~A-3.21~~	~~ROOF PLAN - BUILT UP ROOF - MONO OR DUAL SLOPE~~
~~A-3.41~~	~~ROOF PLAN - TPO ROOF - MONO OR DUAL SLOPE~~
A-3.50	ROOF DETAILS - 0.018" METAL DECK
~~A-3.60~~	~~ROOF DETAILS - 0.036" METAL DECK~~
~~A-3.61~~	~~ROOF DETAILS - 0.036" METAL DECK~~
~~A-3.70~~	~~ROOF DETAILS - BUILT UP ROOF~~
~~A-3.80~~	~~ROOF DETAILS - TPO ROOF~~
~~A-4.01~~	~~EXTERIOR ELEVATIONS - "MODEL A-1" - MONO OR DUAL SLOPE~~
~~A-4.02~~	~~EXTERIOR ELEVATIONS - "MODEL A-2" - MONO OR DUAL SLOPE~~
~~A-4.03~~	~~EXTERIOR ELEVATIONS - "MODEL B-1" - MONO OR DUAL SLOPE~~
~~A-4.04~~	~~EXTERIOR ELEVATIONS - "MODEL B-2" - MONO OR DUAL SLOPE~~
~~A-4.05~~	~~EXTERIOR ELEVATIONS - "MODEL C-1" - MONO OR DUAL SLOPE~~
A-4.06	EXTERIOR ELEVATIONS - "MODEL C-2" - MONO OR DUAL SLOPE
~~A-4.07~~	~~EXTERIOR ELEVATIONS - "MODEL D-1" - MONO OR DUAL SLOPE~~
~~A-4.08~~	~~EXTERIOR ELEVATIONS - "MODEL D" - MONO OR DUAL SLOPE~~
~~A-5.01~~	~~CROSS SECTION - MONO SLOPE - 0.018" OR BUILT UP ROOF DECK~~
A-5.02	CROSS SECTION - DUAL SLOPE - 0.018" OR BUILT UP ROOF DECK
~~A-5.03~~	~~CROSS SECTION - MONO SLOPE - 0.036" ROOF DECK~~
~~A-5.04~~	~~CROSS SECTION - DUAL SLOPE - 0.036" ROOF DECK~~
A-5.05	CROSS SECTION
A-5.50	ARCHITECTURAL DETAILS - WOOD STUD - WOOD SIDING
~~A-5.51~~	~~ARCHITECTURAL DETAILS - WOOD STUD - PLASTER~~
~~A-5.52~~	~~ARCHITECTURAL DETAILS - WOOD STUD - WOOD SIDING - 1 HOUR RATED~~
~~A-5.53~~	~~ARCHITECTURAL DETAILS - WOOD STUD - PLASTER - 1 HOUR RATED~~
~~A-5.60~~	~~ARCHITECTURAL DETAILS - STEEL STUD - WOOD SIDING~~
~~A-5.61~~	~~ARCHITECTURAL DETAILS - STEEL STUD - PLASTER~~
~~A-5.62~~	~~ARCHITECTURAL DETAILS - STEEL STUD - WOOD SIDING - 1 HOUR RATED~~
~~A-5.63~~	~~ARCHITECTURAL DETAILS - STEEL STUD - PLASTER - 1 HOUR RATED~~
~~A-5.64~~	~~ARCHITECTURAL DETAILS - 1 HOUR RATED OPTIONS~~
A-5.70	ARCHITECTURAL DETAILS - FLOOR
A-5.80	ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS
A-5.81	ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS
A-6.01	INTERIOR ELEVATIONS - WALL MOUNTED
~~A-6.03~~	~~INTERIOR ELEVATIONS - FLOOR MOUNTED~~

SHT NO.	FOUNDATION
~~F-0.01~~	~~WOOD FOUNDATION PLAN - 12' x 40' (50 PSF)~~
F-0.02	WOOD FOUNDATION PLAN - 12' x 40' (50+15 PSF)
~~F-0.03~~	~~WOOD FOUNDATION PLAN - 12' x 40' (100 PSF)~~
~~F-0.04~~	~~WOOD FOUNDATION PLAN - 12' x 40' (150 PSF)~~
F-0.50	FOUNDATION DETAILS - WOOD
~~F-1.01~~	~~CONCRETE FOUNDATION PLAN - ABOVE GRADE - WOOD FLOOR~~
~~F-1.11~~	~~CONCRETE FOUNDATION PLAN - ABOVE GRADE - CONCRETE FLOOR~~
~~F-1.50~~	~~CONCRETE FOUNDATION DETAILS - ABOVE GRADE~~
~~F-2.01~~	~~CONCRETE FOUNDATION PLAN - BELOW GRADE - WOOD FLOOR~~
~~F-2.11~~	~~CONCRETE FOUNDATION PLAN - BELOW GRADE - CONCRETE FLOOR~~
~~F-2.50~~	~~CONCRETE FOUNDATION DETAILS - BELOW GRADE~~
~~F-3.51~~	~~FOUNDATION DETAILS - CONCRETE~~

SHT NO.	STRUCTURAL
S-0.1	STRUCTURAL SPECIFICATIONS
S-1.01	FLOOR FRAMING PLAN - WOOD FLOOR
~~S-1.11~~	~~FLOOR FRAMING PLAN - CONCRETE FLOOR~~
S-1.50	FLOOR FRAMING DETAILS - WOOD FLOOR
~~S-1.60~~	~~FLOOR FRAMING DETAILS - CONCRETE FLOOR~~
S-2.01	ROOF FRAMING PLAN - 0.018", BUILT UP, OR TPO ROOF - MONO SLOPE
~~S-2.02~~	~~ROOF FRAMING PLAN - 0.036" - MONO SLOPE~~
~~S-2.11~~	~~ROOF FRAMING PLAN - 0.018", BUILT UP, OR TPO ROOF - DUAL SLOPE~~
~~S-2.12~~	~~ROOF FRAMING PLAN - 0.036" - DUAL SLOPE~~
S-2.50	ROOF FRAMING DETAILS - MONO SLOPE
~~S-2.51~~	~~ROOF FRAMING DETAILS - DUAL SLOPE~~
S-2.60	ROOF MISC. DETAILS
S-3.01	BUILDING SECTION - MONO SLOPE ROOF
~~S-3.02~~	~~BUILDING SECTION - DUAL SLOPE ROOF~~
~~S-3.03~~	~~BUILDING SECTION - 0.036" - MONO SLOPE ROOF~~
~~S-3.04~~	~~BUILDING SECTION - 0.036" - DUAL SLOPE ROOF~~
S-5.00	WALL FRAMING ELEVATIONS - WOOD STUDS
S-5.10	WALL FRAMING DETAILS - WOOD STUDS
S-5.11	WALL FRAMING DETAILS - WOOD STUDS
~~S-5.20~~	~~WALL FRAMING ELEVATIONS - STEEL STUDS~~
~~S-5.30~~	~~WALL FRAMING DETAILS - STEEL STUDS~~
~~S-5.31~~	~~WALL FRAMING DETAILS - STEEL STUDS~~

SHT NO.	PLUMBING
~~P-1.01A~~	~~PLUMBING PLAN AND ISOMETRICS - ADULT "MODEL A-1" OR "MODEL A-2"~~
~~P-1.01E~~	~~PLUMBING PLAN AND ISOMETRICS - ELEM. "MODEL A-1" OR "MODEL A-2"~~
P-1.02A	PLUMBING PLAN AND ISOMETRICS - ADULT "MODEL B-1" OR "MODEL B-2"
~~P-1.02E~~	~~PLUMBING PLAN AND ISOMETRICS - ELEM. "MODEL B-1" OR "MODEL B-2"~~
P-1.03A	PLUMBING PLAN AND ISOMETRICS - ADULT "MODEL C-1" OR "MODEL C-2"
~~P-1.03E~~	~~PLUMBING PLAN AND ISOMETRICS - ELEM. "MODEL C-1" OR "MODEL C-2"~~
~~P-1.04A~~	~~PLUMBING PLAN AND ISOMETRICS - ADULT "MODEL D-1"~~
~~P-1.04E~~	~~PLUMBING PLAN AND ISOMETRICS - ELEM. "MODEL D-1"~~
P-2.01	PLUMBING DETAILS AND SCHEDULE

SHT NO.	MECHANICAL
M-0.1	MECHANICAL NOTES, SCHEDULES, AND DETAILS
~~M-1.01~~	~~MECHANICAL PLAN - WALL MOUNT "MODEL E"~~
~~M-2.01~~	~~MECHANICAL PLAN - ROOF MOUNT "MODEL E"~~

SHT NO.	ELECTRICAL
~~E-1.01~~	~~ELECTRICAL PLAN AND SCHEDULE - "MODEL A-1" OR "MODEL A-2"~~
~~E-1.02~~	~~ELECTRICAL PLAN AND SCHEDULE - "MODEL B-1" OR "MODEL B-2"~~
E-1.03	ELECTRICAL PLAN AND SCHEDULE - "MODEL C-1" OR "MODEL C-2"
~~E-1.04~~	~~ELECTRICAL PLAN AND SCHEDULE - "MODEL D-1" OR "MODEL E"~~

SHT NO.	RAMP
~~R-1.01~~	~~STANDARD RAMP PLAN~~
~~R-1.02~~	~~OFFSET RAMP PLAN~~
R-1.03	RAMP LANDING
~~R-1.04~~	~~STANDARD LANDING WITH STEPS~~
~~R-1.05~~	~~SWITCHBACK RAMP PLAN~~
R-2.01	RAMP DETAILS
~~R-3.01~~	~~CONCRETE RAMP~~

SHT NO.	RELOCATABLE SHEETS
~~RE-101~~	~~BUILDING RELOCATION DETAILS~~

SHT NO.	FIRE SPRINKLER PLANS
~~FS-1~~	~~FIRE SPRINKLER COVER~~
~~FS-2~~	~~FIRE SPRINKLER PLANS~~
~~FS-3~~	~~FIRE SPRINKLER DETAILS~~

SILVER CREEK INDUSTRIES, INC.

SILVER CREEK
Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

PALOMAR COLLEGE EDUCATION CTR
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:

COVER SHEET

LICENSED ARCHITECT — STATE OF CALIFORNIA — C-33467 — REN 01-31-2015

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT NOT VALID FOR CONSTRUCTION A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
FLS SS RAF
DATE JUL - 8 2015

AC: J. Schamble
555: E. FRENCH

REVISIONS

1.
2.
3.
4.
5.
6.
7.
8.

SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-16-2015

P.C. SHEET NUMBER

A-0

DSA-103 rev. 12/20/13

Statement of Structural Tests & Special Inspections - 2013 CBC

INCREMENT #

DSA File No.:
Application No.:

Date Submitted:

Revised:
Revised:

School Name | District

IMPORTANT: This form is only a summary list of structural tests and special inspections required for the project. The actual tests and inspections must be performed as detailed on the DSA approved documents. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A.
NOTE: This form is also available for projects submitted for review under the 2007 and 2010 CBC.

INSTRUCTIONS: Click a plus sign (+) before any category or subcategory to reveal additional tests and special inspections. An "X" before a listed test or inspection indicates it is a mandatory requirement. A shaded box indicates a test or special inspection that may be required, depending on the scope of the construction and other issues. A shaded box can be clicked indicating your selection of that test. Note: A minus (-) on a category or subcategory heading indicates that it can be collapsed. However, any selections you may have made will be cleared. Click on the "COMPILE" button to show only the tests finally selected. For more information on use of this form, see DSA-103.INSTR.

Note: References are to the 2013 edition of the California Building Code (CBC) unless otherwise noted.

REQUIRED	TEST OR SPECIAL INSPECTION	TYPE [1]	PERFORMED BY [2]	CODE REFERENCE AND NOTES
-	SOILS			
	1. GENERAL:	Table 1705A.6		
X	a. Verify that: • site has been prepared properly prior to placement of controlled fill and/or excavations for foundations, • foundation excavations are extended to proper depth and have reached proper material, and • materials below footings are adequate to achieve the design bearing capacity.	Periodic	GE*	* By geotechnical engineer or his or her qualified representative.
	2. COMPACTED FILLS:	Table 1705A.6		
X	a. Perform qualification testing of fill materials.	Test	Lab*	* Under the supervision of the geotechnical engineer.
X	b. Verify use of proper materials and inspect lift thicknesses, placement, and compaction during placement of fill.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
X	c. Test compaction of fill.	Test	Lab*	* Under the supervision of the geotechnical engineer.
-	CONCRETE	Table 1705A.3		
-	7. CAST IN PLACE CONCRETE			
	Material Verification and Testing:			
X	a. Verify use of required design mix.	Periodic	SI & PI*	* To be performed by batch-plant special inspector and project inspector.
X	c. Perform slump, temperature, and (where required) air content tests.	Test	Lab	ASTM C172, ASTM C31.
X	d. Test concrete (compression).	Test	Lab	ACI 318 Section 5.6 and 1705A.1.2.1 (1913.3.1+). ASTM C39.
	Inspection:			
X	f. Batch plant inspection - design complies with 1705A.3.3, Item 2	Periodic	SI	
X	g. Inspect placement of formwork, reinforcing steel, embedded items and concrete. Inspect curing and form removal.	Continuous	PI*	* May be performed by a special inspector when specifically approved by DSA.
+	MASONRY	TMS 402-11/ACI 530-11/ASCE 5-11 Table 1.19.3		
-	STEEL	Table 1705A.2.1		
-	17. STRUCTURAL STEEL AND COLD-FORMED STEEL USED FOR STRUCTURAL PURPOSES			
	Material Verification:			
X	a. Verify that all materials are appropriately marked and that: • Mill certificates indicate material properties that comply with requirements, • Material sizes, types and grades comply with requirements.	Periodic	*	* By special inspector when performed off-site; by project inspector for steel shipped directly to project site without welding or fabrication.
X	b. Test unidentified materials	Test	Lab	2203A.1 (2203.1+). ASTM A370.
X	c. Examine seam welds of structural tubes and pipes	Periodic	SI*	* DSA IR 17-3.
	Inspection:			
X	d. Verify member locations, bracing and all details constructed in the field.	Continuous	PI	
X	e. Verify stiffener locations, connection tab locations and all construction details fabricated in the shop.	Periodic	SI	
-	19. WELDING:			DSA IR 17-3, AWS D1.1 and AWS D1.8 (AWS D1.3 for cold formed steel).
	Verification of Materials, Equipment, Welders, etc:			
X	a. Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI	
X	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	
X	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
-	19.1 SHOP WELDING:			
X	a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
X	b. Inspect single-pass fillet welds ≤ 5/16"	Periodic	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
X	c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.2.1 Per AISC 360 (and AISC 341 as applicable); DSA IR 17-3.
-	19.2 FIELD WELDING: [1, 2]			
X	a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
X	b. Inspect single-pass fillet welds ≤ 5/16"	Periodic	SI	
X	f. Inspect welding of stairs and railing systems	Periodic	SI*	* May be performed by the project inspector when specifically approved by DSA. DSA IR 17-3. 1705A.2.2.1.1 and 1705A.2.2.5
-	20. NONDESTRUCTIVE TESTING: [3]			
X	a. Ultrasonic	Test	Lab	AISC 341, App. Q 5.2. AWS D1.1, D1.8 - ANSI/ASNT CP-189, SNT-TC-1A. - ASTM E543.
X	b. Magnetic Particle	Test	Lab	E1444, E164 - DSA IR 17-2.
+				
-	23. OTHER STEEL:			
X	a. SHOP WELDING OF COLD FORMED STEEL	Periodic	SI	
X	b. SHOP WELD. INSPECT WELDING OF STEEL FLOOR DECK WELDS	Periodic	SI	

SUMMARY

1 Soils testing and Inspection: Geotechnical Verified Report - Form DSA-293
2 All Structural Testing: Laboratory Verified Report - Form DSA-291
3 Concrete Batch Plant Inspection: Special Inspection Verified Report - Form DSA-292
4 Shop Welding Inspection: Special Inspection Verified Report - Form DSA-292
5 Field Welding Inspection: Special Inspection Verified Report - Form DSA-292

NOTE:

THE DIFFERENCE BETWEEN "TESTS" AND "SPECIAL INSPECTIONS" IS ADDRESSED IN IR 17-4

FOOT NOTES / OPTIONS

1. THIS TEST INSPECTION REQUIREMENT OCCURS AT FIELD WELDING.
2. THIS TEST INSPECTION REQUIREMENT OCCURS AT FIELD WELDING. BUILDING TO CONCRETE FOUNDATION OPTION ONLY, SEE 2/F1.50 OR 2/F2.50 AND 10/F2.51
3. THIS TEST / INSPECTION IS TBD BY AOR / DSA PER PROJECT SPECIFIC REQUIREMENTS. UT TESTING SHALL BE PERFORMED ON 100% OF CJP GROOVE WELDS WHEN THE COLUMNS PER SCHEDULE ON SHEETS S-3.01 THRU S-3.04 HAVE A THICKNESS OF 5/16" OR GREATER. MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25% OF ALL BEAM TO COLUMN CJP GROOVE WELDS

CONSTRUCTION OF (Diaphragm material-foundation material)
CONCRETE FLOOR - CONCRETE FOUNDATION

DSA-103 rev. 12/20/13

Statement of Structural Tests & Special Inspections - 2013 CBC

INCREMENT #

DSA File No.:
Application No.:

Date Submittec:

Revised:
Revised:

School Name | District

IMPORTANT: This form is only a summary list of structural tests and special inspections required for the project. The actual tests and inspections must be performed as detailed on the DSA approved documents. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A.
NOTE: This form is also available for projects submitted for review under the 2007 and 2010 CBC.

INSTRUCTIONS: Click a plus sign (+) before any category or subcategory to reveal additional tests and special inspections. An "X" before a listed test or inspection indicates it is a mandatory requirement. A shaded box indicates a test or special inspection that may be required, depending on the scope of the construction and other issues. A shaded box can be clicked indicating your selection of that test. Note: A minus (-) on a category or subcategory heading indicates that it can be collapsed. However, any selections you may have made will be cleared. Click on the "COMPILE" button to show only the tests finally selected. For more information on use of this form, see DSA-103.INSTR.

Note: References are to the 2013 edition of the California Building Code (CBC) unless otherwise noted.

REQUIRED	TEST OR SPECIAL INSPECTION	TYPE [1]	PERFORMED BY [2]	CODE REFERENCE AND NOTES
-	SOILS			
	1. GENERAL:	Table 1705A.6		
X	a. Verify that: • site has been prepared properly prior to placement of controlled fill and/or excavations for foundations, • foundation excavations are extended to proper depth and have reached proper material, and • materials below footings are adequate to achieve the design bearing capacity.	Periodic	GE*	* By geotechnical engineer or his or her qualified representative.
	2. COMPACTED FILLS:	Table 1705A.6		
X	a. Perform qualification testing of fill materials.	Test	Lab*	* Under the supervision of the geotechnical engineer.
X	b. Verify use of proper materials and inspect lift thicknesses, placement, and compaction during placement of fill.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
X	c. Test compaction of fill.	Test	Lab*	* Under the supervision of the geotechnical engineer.
-	CONCRETE	Table 1705A.3		
-	7. CAST IN PLACE CONCRETE			
	Material Verification and Testing:			
X	a. Verify use of required design mix.	Periodic	SI & PI*	* To be performed by batch-plant special inspector and project inspector.
	OKAY to waive testing of reinforcing steel.			IR 17-10
X	c. Perform slump, temperature, and (where required) air content tests.	Test	Lab	ASTM C172, ASTM C31.
X	d. Test concrete (compression).	Test	Lab	ACI 318 Section 5.6 and 1705A.1.2.1 (1913.3.1+). ASTM C39.
	Inspection:			
X	f. Batch plant inspection - design complies with 1705A.3.3, Item 2	Periodic	SI	1705A.3.3, Item 2 Requires first batch inspection, weighmaster, and batch tickets.
X	g. Inspect placement of formwork, reinforcing steel, embedded items and concrete. Inspect curing and form removal.	Continuous	PI*	* May be performed by a special inspector when specifically approved by DSA.
+	MASONRY	TMS 402-11/ACI 530-11/ASCE 5-11 Table 1.19.3		
-	STEEL	Table 1705A.2.1		
-	17. STRUCTURAL STEEL AND COLD-FORMED STEEL USED FOR STRUCTURAL PURPOSES			
	Material Verification:			
X	a. Verify that all materials are appropriately marked and that: • Mill certificates indicate material properties that comply with requirements, • Material sizes, types and grades comply with requirements.	Periodic	*	* By special inspector when performed off-site; by project inspector for steel shipped directly to project site without welding or fabrication.
X	b. Test unidentified materials	Test	Lab	2203A.1 (2203.1+). ASTM A370.
X	c. Examine seam welds of structural tubes and pipes	Periodic	SI*	* DSA IR 17-3.
	Inspection:			
X	d. Verify member locations, bracing and all details constructed in the field.	Continuous	PI	
X	e. Verify stiffener locations, connection tab locations and all construction details fabricated in the shop.	Periodic	SI	
-	19. WELDING:			DSA IR 17-3, AWS D1.1 and AWS D1.8 (AWS D1.3 for cold formed steel).
	Verification of Materials, Equipment, Welders, etc:			
X	a. Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI	
X	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	
X	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
-	19.1 SHOP WELDING:			
X	a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
X	b. Inspect single-pass fillet welds ≤ 5/16"	Periodic	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
X	c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.2.1 Per AISC 360 (and AISC 341 as applicable); DSA IR 17-3.
-	19.2 FIELD WELDING: [1, 2]			
X	a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
X	b. Inspect single-pass fillet welds ≤ 5/16"	Periodic	SI	
X	f. Inspect welding of stairs and railing systems	Periodic	SI*	* May be performed by the project inspector when specifically approved by DSA. DSA IR 17-3. 1705A.2.2.1.1 and 1705A.2.2.5
-	20. NONDESTRUCTIVE TESTING: [3]			
X	a. Ultrasonic	Test	Lab	AISC 341, App. Q 5.2. AWS D1.1, D1.8 - ANSI/ASNT CP-189, SNT-TC-1A. - ASTM E543.
X	b. Magnetic Particle	Test	Lab	E1444, E164 - DSA IR 17-2.
+				
-	23. OTHER STEEL:			
X	a. SHOP WELDING OF COLD FORMED STEEL	Periodic	SI	

SUMMARY

1 Soils testing and Inspection: Geotechnical Verified Report - Form DSA-293
2 All Structural Testing: Laboratory Verified Report - Form DSA-291
3 Concrete Batch Plant Inspection: Special Inspection Verified Report - Form DSA-292
4 Shop Welding Inspection: Special Inspection Verified Report - Form DSA-292
5 Field Welding Inspection: Special Inspection Verified Report - Form DSA-292

NOTE:

THE DIFFERENCE BETWEEN "TESTS" AND "SPECIAL INSPECTIONS" IS ADDRESSED IN IR 17-4

FOOT NOTES / OPTIONS

1. THIS TEST INSPECTION REQUIREMENT OCCURS AT FIELD WELDING.
2. THIS TEST INSPECTION REQUIREMENT OCCURS AT FIELD WELDING. BUILDING TO CONCRE'TE FOUNDATION OPTION ONLY, SEE 2/F1.50 OR 2/F2.50 AND 10/F2.51
3. THIS TEST / INSPECTION IS TBD BY AOR / DSA PER PROJECT SPECIFIC REQUIREMENTS. UT TESTING SHALL BE PERFORMED ON 100% OF CJP GROOVE WELDS WHEN THE COLUMNS PER SCHEDULE ON SHEETS S-3.01 THRU S-3.04 HAVE A THICKNESS OF 5/16" OR GREATER. MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25% OF ALL BEAM TO COLUMN CJP GROOVE WELDS

CONSTRUCTION OF (Diaphragm material-foundation material)
PLYWOOD FLOOR - CONCRETE FOUNDATION

2

The example form DSA 103s shown on this sheet are for illustration purposes only. A form DSA 103 is to be completed for each application that this PC is being incorporated into and all example form DSA-103s are to be crossed out on this drawing.

DSA-103 rev. 12/20/13

Statement of Structural Tests & Special Inspections - 2013 CBC

INCREMENT #

DSA File No.:
Application No.:

Date Submitted:

Revised:
Revised:

School Name | District

IMPORTANT: This form is only a summary list of structural tests and special inspections required for the project. The actual tests and inspections must be performed as detailed on the DSA approved documents. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A.
NOTE: This form is also available for projects submitted for review under the 2007 and 2010 CBC.

INSTRUCTIONS: Click a plus sign (+) before any category or subcategory to reveal additional tests and special inspections. An "X" before a listed test or inspection indicates it is a mandatory requirement. A shaded box indicates a test or special inspection that may be required, depending on the scope of the construction and other issues. A shaded box can be clicked indicating your selection of that test. Note: A minus (-) on a category or subcategory heading indicates that it can be collapsed. However, any selections you may have made will be cleared. Click on the "COMPILE" button to show only the tests finally selected. For more information on use of this form, see DSA-103.INSTR.

Note: References are to the 2013 edition of the California Building Code (CBC) unless otherwise noted.

REQUIRED	TEST OR SPECIAL INSPECTION	TYPE [1]	PERFORMED BY [2]	CODE REFERENCE AND NOTES
+	SOILS			
+	CONCRETE	Table 1705A.3		
+	MASONRY	TMS 402-11/ACI 530-11/ASCE 5-11 Table 1.19.3		
-	STEEL	Table 1705A.2.1		
-	17. STRUCTURAL STEEL AND COLD-FORMED STEEL USED FOR STRUCTURAL PURPOSES			
	Material Verification:			
X	a. Verify that all materials are appropriately marked and that: • Mill certificates indicate material properties that comply with requirements, • Material sizes, types and grades comply with requirements.	Periodic	*	* By special inspector when performed off-site; by project inspector for steel shipped directly to project site without welding or fabrication.
X	b. Test unidentified materials	Test	Lab	2203A.1 (2203.1+). ASTM A370.
X	c. Examine seam welds of structural tubes and pipes	Periodic	SI*	* DSA IR 17-3.
	Inspection:			
X	d. Verify member locations, bracing and all details constructed in the field.	Continuous	PI	
X	e. Verify stiffener locations, connection tab locations and all construction details fabricated in the shop.	Periodic	SI	
-	19. WELDING:			DSA IR 17-3, AWS D1.1 and AWS D1.8 (AWS D1.3 for cold formed steel).
	Verification of Materials, Equipment, Welders, etc:			
X	a. Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI	
X	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	
X	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
-	19.1 SHOP WELDING:			
X	a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
X	b. Inspect single-pass fillet welds ≤ 5/16"	Periodic	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
X	c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.2.1 Per AISC 360 (and AISC 341 as applicable); DSA IR 17-3.
-	19.2 FIELD WELDING: [1, 2]			
X	a. Inspect groove, multi-pass, and fillet welds > 5/16"	Continuous	SI	Per AISC 360 (and AISC 341 as applicable). DSA IR 17-3.
X	b. Inspect single-pass fillet welds ≤ 5/16"	Periodic	SI	
X	f. Inspect welding of stairs and railing systems	Periodic	SI*	* May be performed by the project inspector when specifically approved by DSA. DSA IR 17-3. 1705A.2.2.1.1 and 1705A.2.2.5
-	20. NONDESTRUCTIVE TESTING: [3]			
X	a. Ultrasonic	Test	Lab	AISC 341, App. Q 5.2. AWS D1.1, D1.8 - ANSI/ASNT CP-189, SNT-TC-1A. - ASTM E543.
X	b. Magnetic Particle	Test	Lab	E1444, E164 - DSA IR 17-2.
+				
-	23. OTHER STEEL:			
X	a. SHOP WELDING OF COLD FORMED STEEL	Periodic	SI	
+	WOOD			
+	OTHER			

SUMMARY

1 All Structural Testing: Laboratory Verified Report - Form DSA-291
2 Shop Welding Inspection: Special Inspection Verified Report - Form DSA-292
3 Field Welding Inspection: Special Inspection Verified Report - Form DSA-292

NOTE:

THE DIFFERENCE BETWEEN "TESTS" AND "SPECIAL INSPECTIONS" IS ADDRESSED IN IR 17-4

FOOT NOTES / OPTIONS

1. THIS TEST INSPECTION REQUIREMENT OCCURS AT FIELD WELDING.
2. NOT USED
3. THIS TEST / INSPECTION IS TBD BY AOR / DSA PER PROJECT SPECIFIC REQUIREMENTS. UT TESTING SHALL BE PERFORMED ON 100% OF CJP GROOVE WELDS WHEN THE COLUMNS PER SCHEDULE ON SHEETS S-3.01 THRU S-3.04 HAVE A THICKNESS OF 5/16" OR GREATER. MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25% OF ALL BEAM TO COLUMN CJP GROOVE WELDS

CONSTRUCTION OF (Diaphragm material-foundation material)
PLYWOOD FLOOR - WOOD FOUNDATION 1

SILVER CREEK INDUSTRIES, INC.

SILVER CREEK

Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

PALOMAR COLLEGE EDUCATION CTR
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:

T & I FORMS

LICENSED ARCHITECT
C-33467
REN 01-31-2015
STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE §4913 (d)(4)
A SEPARATE PROJECT APPLICATION & PC CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
AC. ___ FLS ___ SS. RAP
DATE JUL - 8 2015

REVISIONS

1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-16-2015

P.C. SHEET NUMBER

A-0A

BUILDING OPTIONS SCHEDULE

PLUMBING

				SHEET NUMBER
PLUMBING PLAN AND ISOMETRICS	☐ MODEL A-1	☐ ADULT	☐ ELEMENTARY	P-1.01 A/E
	☐ MODEL A-2	☐ ADULT	☐ ELEMENTARY	P-1.01 A/E
	☐ MODEL B-1	☐ ADULT	☐ ELEMENTARY	P-1.02 A/E
	☐ MODEL B-2	☐ ADULT	☐ ELEMENTARY	P-1.02 A/E
	☐ MODEL C-1	☐ ADULT	☐ ELEMENTARY	P-1.03 A/E
	☒ MODEL C-2	☒ ADULT	☐ ELEMENTARY	P-1.03 A/E
	☐ MODEL D-1	☐ ADULT	☐ ELEMENTARY	P-1.04 A/E
☒ PLUMBING DETAILS AND SCHEDULES				P-2.01

MECHANICAL (MODEL E ONLY)

	SHEET NUMBER
☒ MECHANICAL NOTES, SCHEDULES, AND DETAILS:	M-0.1
☐ WALL MOUNT	M-1.01
☐ ROOF MOUNT	M-2.01

ELECTRICAL

		SHEET NUMBER
ELECTRICAL PLAN:	☐ MODEL A-1	E-1.01
	☐ MODEL A-2	E-1.01
	☐ MODEL B-1	E-1.02
	☐ MODEL B-2	E-1.02
	☐ MODEL C-1	E-1.03
	☒ MODEL C-2	E-1.03
	☐ MODEL D-1	E-1.04
	☐ MODEL E	E-1.04

RAMP

		SHEET NUMBER
RAMP PLANS:	☐ STANDARD RAMP PLAN	R-1.01
	☐ OFFSET RAMP PLAN	R-1.02
	☒ RAMP LANDING	R-1.03
	☐ STANDARD LANDING WITH STEPS	R-1.04
	☐ SWITCHBACK RAMP PLAN	R-1.05
	☒ RAMP DETAILS	R-2.01
	☐ CONCRETE RAMP	R-3.01

BUILDING RELOCATABLE DETAILS

	SHEET NUMBER
☐ BUILDING RELOCATION DETAILS	REL-101

FIRE SPRINKLER PLANS

	SHEET NUMBER
☐ FIRE SPRINKLER PLAN COVER SHEET	FS-1
☐ TYPICAL FIRE SPRINKLER PLANS	FS-2
☐ TYPICAL FIRE SPRINKLER DETAILS	FS-3

ARCHITECTURAL DETAILS

			SHEET NUMBER
WALL DETAILS:	☒ WOOD STUDS	☒ EXTERIOR WOOD SIDING	A-5.50
		☐ EXTERIOR PLASTER FINISH	A-5.51
		☐ EXTERIOR WOOD SIDING - 1 HOUR RATED	A-5.52
		☐ EXTERIOR PLASTER FINISH - 1 HOUR RATED	A-5.53
	☐ STEEL STUDS	☐ EXTERIOR WOOD SIDING	A-5.60
		☐ EXTERIOR PLASTER FINISH	A-5.61
		☐ EXTERIOR WOOD SIDING - 1 HOUR RATED	A-5.62
		☐ EXTERIOR PLASTER FINISH - 1 HOUR RATED	A-5.63
☐ 1-HOUR RATED OPTIONS			A-5.64
FLOOR DETAILS:			A-5.70

MISCELLANEOUS DETAILS

		SHEET NUMBER
MISCELLANEOUS:	☒ CASEWORK, TV, AND PROJECTION SCREEN DETAILS	A-5.80
	☒ WATER HEATER, DRINKING FOUNTAIN, AND FOLDING WALL DETAILS	A-5.81

INTERIOR ELEVATIONS

		SHEET NUMBER
INTERIOR ELEVATIONS	☒ INTERIOR ELEVATIONS - WALL MOUNTED	A-6.01
	☐ INTERIOR ELEVATIONS - FLOOR MOUNTED	A-6.02

FOUNDATIONS

			SHEET NUMBER
☒ WOOD FOUNDATION PLAN	☐ 12" x 40" (50 PSF)		F-0.01
	☒ 12" x 40" (50+15 PSF)		F-0.02
	☐ 12" x 40" (100 PSF)		F-0.03
	☐ 12" x 40" (150 PSF)		F-0.04
☒ WOOD FOUNDATION DETAILS:			F-0.50
☐ CONCRETE FOUNDATION PLAN - ABOVE GRADE	☐ WOOD FLOOR - (50, 50+15, 100, OR 150PSF)		F-1.01
	☐ CONCRETE FLOOR - (50, 50+15, 100, OR 150PSF)		F-1.11
☐ CONCRETE FOUNDATION DETAILS - ABOVE GRADE:			F-1.50
☐ CONCRETE FOUNDATION PLAN - BELOW GRADE	☐ WOOD FLOOR - (50, 50+15, 100, OR 150PSF)		F-2.01
	☐ CONCRETE FLOOR - (50, 50+15, 100, OR 150PSF)		F-2.11
☐ CONCRETE FOUNDATION DETAILS - BELOW GRADE:			F-2.50
☐ FOUNDATION DETAILS - CONCRETE			F-2.51

GENERAL STRUCTURAL SHEETS

	SHEET NUMBER
STRUCTURAL SPECS:	S-0.1

FLOOR FRAMING PLANS

		SHEET NUMBER
FLOOR FRAMING:	☒ WOOD FLOOR	S-1.01
	☐ CONCRETE FLOOR	S-1.11
FLOOR FRAMING DETAILS:	☒ WOOD FLOOR	S-1.50
	☐ CONCRETE FLOOR	S-1.60

ROOF FRAMING PLANS

		SHEET NUMBER
ROOF FRAMING:	☒ 0.018", BUILT UP, OR TPO - MONO SLOPE	S-2.01
	☐ 0.030" - MONO SLOPE	S-2.02
	☐ 0.018", BUILT UP, TPO - DUAL SLOPE	S-2.11
	☐ 0.030" - DUAL SLOPE	S-2.12
ROOF FRAMING DETAILS:	☒ MONO SLOPE	S-2.50
	☐ DUAL SLOPE	S-2.51
ROOF MISC. DETAILS:		S-2.60

BUILDING SECTION

		SHEET NUMBER
BUILDING SECTION:	☒ MONO SLOPE ROOF	S-3.01
	☐ DUAL SLOPE ROOF	S-3.02
	☐ 0.030" MONO SLOPE ROOF	S-3.03
	☐ 0.030" DUAL SLOPE ROOF	S-3.04

WALL FRAMING

		SHEET NUMBER
FRAMING ELEVATIONS:	☒ WOOD STUDS	S-5.00
	☐ STEEL STUDS	S-5.20
FRAMING DETAILS:	☒ WOOD STUDS	S-5.10
	☒ WOOD STUDS	S-5.11
	☐ STEEL STUDS	S-5.30
	☐ STEEL STUDS	S-5.31

GENERAL ARCHITECTURAL SHEETS

	SHEET NUMBER
COVER SHEET:	A-0
☒ T & I FORMS:	A-0A & A-0B
BUILDING OPTIONS SCHEDULE SHEET:	A-0.0
SYMBOLS, LEGEND, ABBREVIATION, ADA SIGNAGE SHEET:	A-0.1
SCHEDULE SHEET:	A-0.2
ENERGY COMPLIANCE FORMS	A-0.5 (A-E)
DESIGN ENERGY VALUES & CAL GREEN SPECIFICATIONS	A-0.7

FLOOR PLANS

		SHEET NUMBER
FLOOR PLANS:	☐ FLOOR PLAN - (MODEL A-1)	A-1.01
	☐ FLOOR PLAN - (MODEL A-2)	A-1.01
	☐ FLOOR PLAN - (MODEL B-1)	A-1.02
	☐ FLOOR PLAN - (MODEL B-2)	A-1.02
	☐ FLOOR PLAN - (MODEL C-1)	A-1.03
	☒ FLOOR PLAN - (MODEL C-2)	A-1.03
	☐ FLOOR PLAN - (MODEL D-1)	A-1.04
	☐ FLOOR PLAN - (MODEL E)	A-1.04

CEILING

		SHEET NUMBER
REFLECTED CEILING PLANS:	☐ REFLECTED CEILING PLAN - (MODEL A-1)	A-2.01
	☐ REFLECTED CEILING PLAN - (MODEL A-2)	A-2.01
	☐ REFLECTED CEILING PLAN - (MODEL B-1)	A-2.02
	☐ REFLECTED CEILING PLAN - (MODEL B-2)	A-2.02
	☐ REFLECTED CEILING PLAN - (MODEL C-1)	A-2.03
	☒ REFLECTED CEILING PLAN - (MODEL C-2)	A-2.03
	☐ REFLECTED CEILING PLAN - (MODEL D-1)	A-2.04
	☐ REFLECTED CEILING PLAN - (MODEL E)	A-2.04
CEILING DETAILS:	T-GRID	A-2.20
	☐ HARD LID	A-2.21

ROOF PLAN

		SHEET NUMBER
ROOF PLANS:	☒ 0.018" ROOF - METAL DECK - MONO SLOPE	A-3.01
	☐ 0.018" ROOF - METAL DECK - DUAL SLOPE	A-3.01
	☐ 0.030" ROOF - METAL DECK - MONO SLOPE	A-3.11
	☐ 0.030" ROOF - METAL DECK - DUAL SLOPE	A-3.11
	☐ BUILT UP ROOF - MONO SLOPE	A-3.21
	☐ BUILT UP ROOF - DUAL SLOPE	A-3.21
	☐ TPO ROOF - MONO SLOPE	A-3.41
	☐ TPO ROOF - DUAL SLOPE	A-3.41
ROOF DETAILS:	☒ 0.018" ROOF - METAL DECK	A-3.50
	☐ 0.030" ROOF - METAL DECK	A-3.60
	☐ 0.030" ROOF - METAL DECK	A-3.61
	☐ BUILT UP ROOF	A-3.70
	☐ TPO	A-3.90

EXTERIOR ELEVATION

			SHEET NUMBER
EXTERIOR ELEVATIONS:	☐ MODEL A-1	☐ MONO SLOPE	A-4.01
		☐ DUAL SLOPE	A-4.01
	☐ MODEL A-2	☐ MONO SLOPE	A-4.02
		☐ DUAL SLOPE	A-4.02
	☐ MODEL B-1	☐ MONO SLOPE	A-4.03
		☐ DUAL SLOPE	A-4.03
	☐ MODEL B-2	☐ MONO SLOPE	A-4.04
		☐ DUAL SLOPE	A-4.04
	☐ MODEL C-1	☐ MONO SLOPE	A-4.05
		☐ DUAL SLOPE	A-4.05
	☒ MODEL C-2	☒ MONO SLOPE	A-4.06
		☐ DUAL SLOPE	A-4.06
	☐ MODEL D-1	☐ MONO SLOPE	A-4.07
		☐ DUAL SLOPE	A-4.07
	☐ MODEL E	☐ MONO SLOPE	A-4.08
		☐ DUAL SLOPE	A-4.08

CROSS SECTIONS

		SHEET NUMBER
CROSS SECTIONS:	☒ MONO SLOPE	A-5.01
	☐ DUAL SLOPE	A-5.02
	☐ MONO SLOPE - .030" ROOF DECK	A-5.03
	☐ DUAL SLOPE - .030" ROOF DECK	A-5.04
	CROSS SECTION	A-5.05

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

PALOMAR COLLEGE EDUCATION CTR
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:

BUILDING OPTIONS SCHEDULE

REGISTERED ARCHITECT — C-33487 — REN 01-31-2015 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE: 2013 CBC
A SEPARATE PERMIT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
AC ☒ FLS ☐ SS RAF
DATE JUL - 8 2015

REVISIONS

1	
2	
3	
4	
5	
6	
7	
8	

SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-16-2015

P.C. SHEET NUMBER

A-0.0

REFLECTED CEILING NOTES

METAL SUSPENSION FOR LAY-IN PANEL CEILING:

A. 12GA. (MIN.) HANGER WIRES MAY BE USED FOR UP TO THE INCLUDING 4'-0" X 4'-0" GRID SPACING, ALONG MAIN RUNNER. SPLICES WILL NOT BE PERMITTED IN ANY HANGER WIRES UNLESS SPECIFICALLY APPROVED BY DSA.

B. PROVIDE 12GA. HANGER WIRES WITHIN 8" OF THE ENDS OF ALL MAIN & CROSS RUNNERS OR AT 1/4 OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS AT THE PERIMETER OF THE CEILING AREA.

C. PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO MAINTAIN HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT THE CEILING BREAKS, SOFFITS OR DISCONTINUOUS AREAS. HANGER WIRES THAT ARE MORE THAN 1 IN 6 PLUMB ARE TO HAVE COUNTER SLOPING WIRES.

D. CEILING GRID MEMBERS MAY BE ATTACHED TO NOT MORE THAN 2 ADJACENT WALLS. CEILING GRID MEMBERS SHOULD BE AT LEAST 3/4" CLEAR OF OTHER WALLS. IF WALLS RUN DIAGONALLY TO CEILING GRID SYS. RUNNERS, THE MAIN AND CROSS RUNNERS SHOULD BE FREE & A MIN. OF 3/4" CLEAR OF WALL.

E. AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A 16GA. WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNERS MAY BE USED. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNERS IS 8" OR LESS, THIS INTERLOCK IS NOT REQ'D.

F. PROVIDE BRACING ASSEMBLY CONSISTING OF A COMPRESSION STRUT (COMPRESSION STRUTS SHALL BE ADEQUATE TO RESIST THE VERTICAL COMPONENT INDUCED BY THE BRACING WIRES, AND SHALL NOT BE MORE THAN 1 (HORIZONTAL) IN 6 (VERTICAL) OUT OF PLUMB) AND (4) 12GA. SPLAYED WIRES ORIENTED 90° FROM EA. OTHER AT THE FOLLOWING SPACING.
(A). PLACE BRACING ASSEMBLIES AT A SPACING NOT MORE THAN 8'-0" X 8'-0" ON CENTER.
(B). PROVIDE BRACING ASSEMBLIES AT LOCATIONS NOT MORE THAN 1/2 THE ABOVE SPACING FROM EA. PERIMETER WALL OR AT THE EDGE OF VERTICAL CEILING OFFSETS. THE SLOPE OF THESE WIRES SHALL NOT EXCEED 45° FROM THE PLANE OF THE CEILING AND SHOULD BE TAUT WITHOUT CAUSING THE CEILING TO LIFT. SPLICES IN BRACING WIRES ARE NOT PERMITTED WITHOUT SPECIAL DSA APPROVAL.

G. FASTEN #12 HANGER WIRES WITH NOT LESS THAN THREE (3) TIGHT TURNS IN 3". HANGER WIRE LOOPS SHALL BE TIGHTLY WRAPPED AND SHARPLY BENT TO PREVENT ANY VERTICAL MOVEMENT OR ROTATION OF THE MEMBER WITHIN THE LOOPS (SEE ASTM E580, SECTION 5.2.7.2). FASTEN SPLAY WIRES WITH 4 TIGHT TURNS IN 1 1/2". HANGER OR BRACING WIRE ANCHORS TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE ANCHOR ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE WIRE.

H. SEPARATE ALL CEILING HANGING AND BRACING WIRES AT LEAST 6" FROM ALL UNBRACED DUCTS, PIPES, CONDUITS, ETC.
HANGER WIRES SHALL NOT ATTACH TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT. PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO TYPICAL HANGER SPACING. SEE FIGURE 3A, DETAIL F OF DSA IR 25-2.13. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS, OR DISCONTINUOUS AREAS.

I. CEILING PANELS SHALL NOT SUPPORT ANY LIGHT FIXTURES, AIR TERMINALS OR DEVICES.
ATTACH ALL LIGHT FIXTURES CEILING MOUNTED AIR TERMINALS AND ALL OTHER DEVICES TO THE CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURES. SCREWS OR APPROVED FASTENERS ARE REQUIRED. MINIMUM OF TWO ATTACHMENTS ARE REQUIRED AT EACH LIGHT FIXTURE PER ASTM E580 SECTION 5.3.1.
RECESSED OR DROP-IN LIGHT FIXTURES, GRILLES, MECHANICAL TERMINALS, AND FLEXIBLE SPRINKLER HOSE FITTINGS OR OTHER SERVICES BE SUPPORTED DIRECTLY ON RUNNERS CLASSIFIED AS ASTM HEAVY DUTY, BUT THEY MUST ALSO HAVE A MINIMUM OF TWO (2) #12 GAGE SLACK SAFETY WIRES ATTACHED TO THE FIXTURE AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE.

J. ALL FLUSH OR RECESSED LIGHT FIXTURES, MECHANICAL TERMINALS, AND FLEXIBLE SPRINKLER HOSE FITTINGS OR OTHER SERVICES WEIGHING GREATER THAN 56 LBS. MUST BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN FOUR (4) TAUT #12 GAGE WIRES ATTACHED TO THE HOUSING AND TO THE STRUCTURE ABOVE. THE FOUR (4) TAUT #12 GAGE WIRES, INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE, MUST BE CAPABLE OF SUPPORTING FOUR (4) TIMES THE WEIGHT OF THE UNIT.
ALL 4 ft. x 4 ft. LIGHT FIXTURES MUST HAVE SLACK SAFETY WIRES AT EACH CORNER. SURFACE-MOUNTED FIXTURES SHALL BE ATTACHED TO THE MAIN RUNNER WITH AT LEAST TWO POSITIVE CLAMPING DEVICES MADE OF MATERIAL WITH A MINIMUM #14 GAGE. ROTATIONAL SPRING CATCHES DO NOT COMPLY. A #12 GAGE SUSPENSION WIRE SHALL BE ATTACHED TO EACH CLAMPING DEVICE TO THE STRUCTURE ABOVE. PROVIDE ADDITIONAL SUPPORTS WHEN LIGHT FIXTURES ARE 8 ft. OR LONGER. MAXIMUM SPACING BETWEEN SUPPORTS SHALL NOT EXCEED 8 FEET.
SUPPORT PENDANT-MOUNTED LIGHT FIXTURES DIRECTLY FROM THE STRUCTURE ABOVE WITH HANGER WIRES OR CABLES PASSING THROUGH EACH PENDANT HANGER AND CAPABLE OF SUPPORTING TWO (2) TIMES THE WEIGHT OF THE FIXTURE. A BRACING ASSEMBLY, PER FIGURE 1, IS REQUIRED WHERE THE PENDANT HANGER PENETRATES THE CEILING. SPECIAL DETAILS ARE REQUIRED TO ATTACH THE PENDANT HANGER TO THE BRACING ASSEMBLY TO TRANSMIT HORIZONTAL FORCE. IF THE PENDANT MOUNTED LIGHT FIXTURE IS DIRECTLY AND INDEPENDENTLY BRACED BELOW THE CEILING, I.E. AIRCRAFT CABLES TO WALLS, THEN BRACE ASSEMBLY IS NOT REQUIRED ABOVE THE CEILING. SEE IR 16-9 FOR ADDITIONAL REQUIREMENT FOR PENDENT MOUNTED FIXTURES.
ALL LIGHT-WEIGHT MISCELLANEOUS DEVISES, SUCH AS STROBE LIGHTS, SPEAKERS, ETC., SHALL BE ATTACHED TO THE CEILING GRID PER SECTION 7.2.1, 7.2.2 & 7.2.3 OF DSA IR 25-2.13. IN ADDITION, DEVICES WEIGHING MORE THAN 10 LBS SHALL HAVE A #12 SLACK SAFETY WIRE ANCHORED TO THE STRUCTURE ABOVE. DEVICES WEIGHTING MORE THEN 20 LBS SHALL BE SUPPORTED FROM THE STRUCTURE ABOVE PER SECTION 7.4.1 OF DSA IR 25-2.13.
PENETRATIONS THROUGH THE CEILING FOR SPRINKLER HEADS AND OTHER SIMILAR DEVICES THAT ARE NOT INTEGRALLY TIED TO THE CEILING SYSTEM IN THE LATERAL DIRECTION SHALL HAVE A TWO (2) INCH OVERSIZED RING. SLEEVE OR ADAPTER THROUGH THE CEILING TILE TO ALLOW FREE MOVEMENT OF ONE (1) INCH IN ALL HORIZONTAL DIRECTIONS. ALTERNATIVELY, PER ASTM E580 SECTION 5.2.8.5, A FLEXIBLE SPRINKLER HOSE FITTING THAT CAN ACCOMMODATE 1 INCH OF CEILING MOVEMENT SHALL BE PERMITTED TO BE USED IN LIEU OF THE OVERSIZED RING, SLEEVE OR ADAPTER.

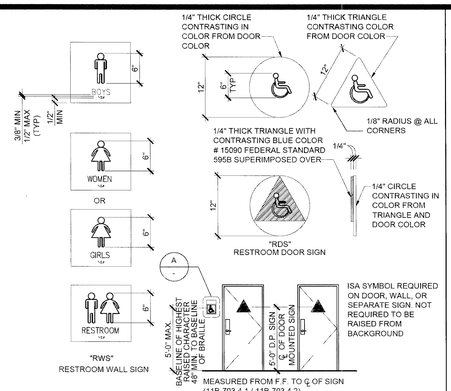
K. CLASSIFICATION OF CEILING GRID:
CLASSIFICATION OF CEILING GRID SHALL BE "HEAVY DUTY"
MAIN RUNNER: 7301
4' CROSS TEE: XL7341
2' CROSS TEE: XL7328
2" WALL ANGLE: 7810
ARMSTRONG PER ASTM C635, C636 AND ICC-ES ESR-1308.
PERIMETER SUPPORTING CLOSURE ANGLE SHALL BE NOT LESS THAN 2". ACOUSTICAL PANELS SHALL BE 5/8" MINIMUM THICK MINERAL FIBERBOARD OR VINYL FACED FIBERGLASS LAY-IN PANELS SQUARE EDGE AND CBC CLASS C FLAME-SPREAD 76-200; SMOKE-DEVELOPED 0-450.

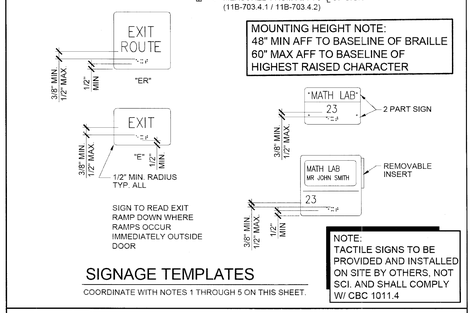
L. FOR CEILING AREAS EXCEEDING 2500 SQUARE FEET. A SEISMIC SEPARATION JOINT SHALL BE PROVIDED IN ACCORDANCE WITH DSA IR 25-2.13 SECTION 4, FIGURE 7, DETAIL A TO DIVIDE THE CEILING INTO AREAS NOT EXCEEDING 2500 SQUARE FEET. ALTERNATIVELY, COMPLY WITH ASTM E580-08 SECTION 5.2.9. - SEE 20A-2.20

2. NOTE FOR FIRE BLK CONSTRUCTION: SECTION 718
PER CBC SECTION 718.2.1, FIRE BLOCKS MAY BE OF GYPSUM BOARD, CEMENT FIBER BOARD, BATTS OR MINERAL OR GLASS FIBER, OR OTHER APPROVED MATERIALS INSTALLED IN SUCH A MANNER AS TO BE SECURELY RETAINED IN PLACE. LOOSE-FILL INSULATION MATERIAL SHALL NOT BE USED AS A FIRE BLOCK UNLESS SPECIFICALLY TESTED IN THE FORM AND MANNER INTENDED FOR USE TO DEMONSTRATE ITS ABILITY TO REMAIN IN PLACE AND TO RETARD THE SPREAD OF FIRE AND HOT GASES. (SECTION 718.2.1). FLAME SPREAD - 25 SMOKE DEVELOPMENT - 50 MAX
FIRE BLOCKING IS NOT REQUIRED WITHIN CONCEALED SPACES CONSTRUCTED OF NON-COMBUSTIBLE MATERIALS

3. DUCTWORK SHALL BE RIGIDLY ATTACHED TO BUILDING AND SHALL NOT BE CLOSER THAN 6" TO HANGER WIRES

4. HANGER WIRES MORE THAN 1-IN-6 OUT OF PLUMB SHALL HAVE COUNTER SLOPING WIRES





SIGNAGE TEMPLATES

COORDINATE WITH NOTES 1 THROUGH 5 ON THIS SHEET.

TACTILE EXIT SIGNS

1. CHARACTER TYPE: CHARACTERS ON SIGNS SHALL BE RAISED 1/32 INCH (0.794 mm) MINIMUM AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY CONTRACTED GRADE 2 BRAILLE. (SEE NOTE 5 BELOW).
2. CHARACTER SIZE: RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8 INCH (15.9 mm) AND A MAXIMUM OF 2 INCHES (51 mm) HEIGHT BASED ON THE HEIGHT OF THE UPPERCASE "I".
3. FINISH AND CONTRAST: CONTRAST BETWEEN CHARACTERS, SYMBOLS AND THEIR BACKGROUND MUST BE 70% MINIMUM AND HAVE A NON-GLARE FINISH. 11B-703.5.1 / 11B-703.6.2 / 11B-703.7.1
4. PROPORTIONS: CHARACTERS ON SIGNS SHALL HAVE A WIDTH-TO HEIGHT RATIO OF BETWEEN 60% MIN. AND 110% MAX. AND A STROKE WIDTH-TO-HEIGHT RATIO OF BETWEEN 10% MIN. AND 20% MAX. OF THE CHARACTER HEIGHT. 11B-703.2.4, 11B-703.2.6, 11B-703.5.7.

   ALL LETTERS MEASURED MUST BE UPPERCASE. AFTER CHOOSING A TYPE STYLE TO TEST, BEGIN BY PRINTING THE LETTERS "O". AND "I" AT 1 INCH HIGH. PLACE THE TEMPLATE'S 110% SQUARE OVER "O." IF THE CHARACTER IS NOT WIDER THAN 110% SQUARE, NOR NARROWER THAN THE 60% RECTANGLE, THE PROPORTIONS ARE CORRECT. USE THE 20% RECTANGLE TO DETERMINE IF THE STROKE OF THE "I" IS TOO BROAD, AND THE 10% RECTANGLE TO SEE IF ITS IS TOO NARROW. IF ALL THE TESTS ARE PASSED, THE TYPE STYLE IS COMPLIANT WITH PROPORTION CODE.

   TEMPLATE FOR CHECKING CHARACTER AND STROKE WIDTH TO HEIGHT PROPORTIONS:

5. BRAILLE: CONTRACTED CALIFORNIA GRADE 2 BRAILLE SHALL BE USED WHEREVER BRAILLE IS REQUIRED IN OTHER PORTIONS OF THESE STANDARDS. DOTS SHALL BE 1/10 INCH (2.54 mm) ON CENTERS IN EACH CELL WITH 2/10 INCH (5.08 mm) SPACE BETWEEN CELLS. MEASURED FROM THE SECOND COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL DOTS SHALL BE RAISED A MINIMUM OF 1/40 INCH (0.635 mm) ABOVE THE BACKGROUND. 11B-703.3 / 11B-703.3.1.

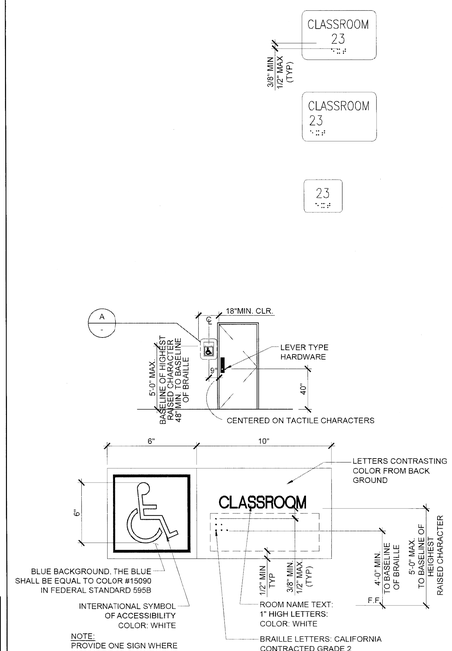
REQUIRED ROUNDED OR DOMED CALIFORNIA BRAILLED DOTS, EACH DISTINCT AND SEPARATE. DOTS WITH STRAIGHT SIDES AND FLAT TOPS ARE NOT READABLE FOR MANY BRAILLE USERS.

EXAMPLE OF HOW TO DEMONSTRATE FONT TO BE USED

WIDTH-TO-HEIGHT PROPORTIONS TEMPLATE

CALIFORNIA CONTRACTED GRADE 2 BRAILLE SHALL BE USED WHEREVER BRAILLE IS REQUIRED. INDIVIDUAL BRAILLE DOTS SHALL BE DISTINCT AND SEPARATE. EACH DOT SHALL BE ROUNDED OR DOMED IN LIEU OF SQUARE SIDED AND FLAT TOPPED.

BRAILLE SPACING TEMPLATE PER TITLE 24



NOTE:
PROVIDE ONE SIGN WHERE INDICATED ON PLANS. LOCATE SIGN MAX. 12" AWAY FROM THE DOOR STRIKE SIDE.

NOTE:
SIGN MATERIAL TO BE 1/8" THK. E.S. PLASTIC, W/ 1.32" RAISED BORDER. GRAPHICS AND LETTERS. PROVIDE MECHANICAL MOUNTING W/ VANDAL RESISTANT FASTENERS. CBC SECTION 11B-703.

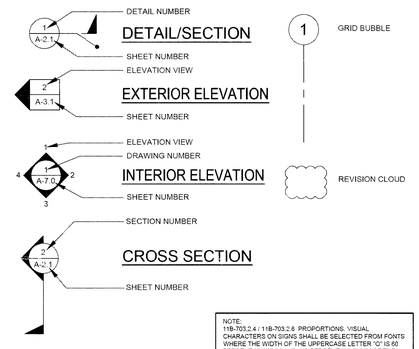
A ROOM IDENTIFCATION ROOM SIGNAGE (BY DISTRICT)

FOR SITE SPECIFIC LOCATIONS ARCHITECT TO PROVIDE BUILDING / ROOM IDENTIFICATION SIGNS. DETAILS AND LOCATIONS OF SIGNAGE TO BE INDICATED.

COORDINATE WITH NOTES 1 THROUGH 5 ON THIS SHEET.

THIS DETAIL FOR REFERENCE ONLY

SYMBOLS LEGEND



NOTE:
11B-703.2.4 / 11B-703.2.6 PROPORTIONS. VISUAL CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I". STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 10 PERCENT MINIMUM AND 20 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER

ABBREVIATIONS

AB	ANCHOR BOLT	FA	FIRE ALARM	℄ OR PL	PLATE
ABS	ABSOLUTE	FCO	FLOOR CLEAN OUT	PC	PRE-CHECKED
ABV	ABOVE	FF	FINISH FLOOR	PLAS	PLASTER
ACC	ACCESS	FG	FINISH GRADE	PLYWD	PLYWOOD
ADDL	ADDITIONAL	FIN	FINISH	PNL	PANEL
ADJ	ADJACENT	FLR	FLOOR	PNT	PAINT
AFF	ABOVE FINISH FLOOR	FN	FIELD NAILING	POC	POINT OF CONNECTION
AFG	ABOVE FINISH GRADE	FND	FOUNDATION	POT	PATH OF TRAVEL
AGC	ABOVE GRADE CONCRETE	FOC	FACE OF CONCRETE	PSF	POUNDS PER SQUARE FOOT
ALT	ALTERNATE	FOS	FACE OF STUD	PSI	POUNDS PER SQUARE INCH
AOR	ARCHITECT OF RECORD	FTG	FOOTING	PT	PRESSURE TREATED
APPROX	APPROXIMATE	FOF	FACE OF FINISH		
ARCH	ARCHITECTURAL / ARCHITECT	GA	GAUGE	RAG	RETURN AIR GRILLE
		GALV	GALVANIZE	RD	ROOF DRAIN
BD	BOARD	GC	GENERAL CONTRACTOR	REF	REFERENCE
BGC	BELOW GRADE CONCRETE	GR	GRADE	REG	REGISTER
BLDG	BUILDING	GYP	GYPSUM	REINF	REINFORCE
BLK	BLOCK	GYP BD	GYPSUM BOARD	REQ'D	REQUIRED
BLKG	BLOCKING			REV	REVISION
BM	BEAM	HB	HOSE BIBB	RF	ROOF
BOT	BOTTOM	HD	HEAVY DUTY	RM	ROOM
BTWN	BETWEEN	HDR	HEADER	RO	ROUGH OPENING
BU	BUILT UP	HDW	HARDWARE	ROH	ROOF OVERHANG
CAB	CABINET	HF	HEM FIR	SCHED	SCHEDULE
CBC	CALIFORNIA BUILDING CODE	HORIZ	HORIZONTAL	SEC	SECTION
CI	CAST IRON	HT	HEIGHT	SHT	SHEET
CJ	CONTROL JOINT	HVAC	HEATING, VENTILATING, AND AIR CONDITIONING	SHTG	SHEATHING
CJP	COMPLETE JOINT PENETRATION			SIM	SIMILAR
		INCL	INCLUDED	SPEC	SPECIFICATION
℄	CENTER LINE	INFO	INFORMATION	SQ	SQUARE
CLG	CEILING	INT	INTERIOR	SST	STAINLESS STEEL
CO	CLEAN OUT			STD	STANDARD
COL	COLUMN	J-BOX	JUNCTION BOX	STIFF	STIFFENER
CONC	CONCRETE	JST	JOIST	STL	STEEL
CONN	CONNECTION	JT	JOINT	STS	SELF-TAPPING SCREW
CONST	CONSTRUCTION			STSMS	SELF-TAPPING SHEET METAL SCREW
CONT	CONTINUOUS	KO	KNOCK OUT		
CPT	CARPET				
CSK	COUNTERSINK	LAB	LABORATORY	T&B	TOP AND BOTTOM
CTR	CENTER	LAM	LAMINATED	T&G	TONGUE AND GROOVE
DBL	DOUBLE	LAV	LAVATORY	TEL	TELEPHONE
DET	DETAIL	LB	POUNDS	THK	THICK
DF	DOUGLAS FIR	LT	LIGHT	TOC	TOP OF COLUMN
DIA OR ⌀	DIAMETER	LT WT	LIGHT WEIGHT	TOS	TOP OF STEEL
DIAG	DIAGONAL	LVR	LOUVER	TS	TUBE STEEL
DIM	DIMENSION			TV	TELEVISION
DSA	DIVISION OF THE STATE ARCHITECT	MAX	MAXIMUM	TYP	TYPICAL
		MB	MACHINE BOLT	UBC	UNIFORM BUILDING CODE
DWG	DRAWING	MED	MEDIUM	UON	UNLESS OTHERWISE NOTED
(E)	EXISTING	MFR	MANUFACTURER		
EA	EACH	MIN	MINIMUM	UR	URINAL
EJ	EXPANSION JOINT	MISC	MISCELLANEOUS		
ELEV	ELEVATION	MOD	MODULE	VERT	VERTICAL
EN	END NAIL	MTL	METAL	VCT	VINYL COMPOSITION TILE
EQ	EQUAL	(N)	NEW		
EQUIP	EQUIPMENT	N	NORTH	W/	WITH
EW	EACH WAY	NIC	NOT IN CONTRACT (NOT IN SILVER CREEK'S SCOPE OF WORK	WC	WATER CLOSET
EXT	EXTERIOR			WCO	WALL CLEAN OUT
				WD	WOOD
		NL	NAIL	WH	WATER HEATER
		NO	NUMBER	WIC	WOODWORK INSTITUTE OF CALIFORNIA
		NTS	NOT TO SCALE		
				WND	WINDOW
		OC	ON CENTER	W/O	WITHOUT
		OD	OUTSIDE DIAMETER	WP	WATER PROOF
		OH	OPPOSITE HAND		
		OPNG	OPENING		
		OPP	OPPOSITE		

SPECIFICATIONS

DIVISION 5 - METALS
05720 RAILINGS AND HANDRAILS:
ALL WELDED JOINTS AND SURFACES SHALL BE GROUND SMOOTH. NO SHARP OR ABRASIVE CORNERS EDGES OR SURFACES. WALL SURFACES ADJACENT TO HANDRAIL SHALL BE SMOOTH.

DIVISION 8 - DOORS
08710 DOOR HARDWARE:
- IF THE DOOR HAS A CLOSER, THEN THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEGREES, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3" FROM THE LATCH, MEASURED TO THE LANDING SIDE OF THE DOOR. 11B-404.2.7 / 11B-309.4. ALL HARDWARE SHALL MEET THE REQUIREMENTS OF CBC SECTIONS CHAPTER 10, SECTION 1008.1.9 / 11B-404.2.7 AND 11B-309.4
- THRESHOLDS SHALL COMPLY WITH CBC SECTIONS 1008.1.7 AND 11B-404.2.5.
- FLOOR STOPS SHALL NOT BE LOCATED IN THE PATH OF TRAVEL AND 4" MAXIMUM FROM WALLS POLICY 99-08

08712 EXIT DEVICES: (WHERE APPLICABLE)
MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 LB (22.2 N) FOR EXTERIOR AND INTERIOR DOORS. SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS ARE REQUIRED, 5LBS MAX OR THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED TO THE MAXIMUM ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 15 LBF (66.72 N) PER CBC SECTIONS 1008.1.3 AND 11B-404.2.9
HAND-ACTIVATED DOOR OPENING HARDWARE, HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE. MOUNTING HEIGHT OF LATCHING HARDWARE SHALL BE CENTERED BETWEEN 34 INCHES MIN AND 48 INCHES MAX ABOVE THE FLOOR PER CBC SECTION 1008.1.9.2. LATCHING AND LOCKING DOORS THAT ARE HAND-ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER-TYPE HARDWARE, PANIC BARS, PUSH-PULL ACTIVATING BARS OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE.
LOCKED EXIT DOOR SHALL OPERATE AS ABOVE IN EGRESS DIRECTION PER CBC SECTION 1008.1.2

PANIC HARDWARE SHALL NOT BE PROVIDED WITH "NIGHT LATCH" FUNCTION FOR ANY ACCESSIBLE DOORS OR GATES UNLESS THE FOLLOWING CONDITIONS ARE MET PER DSA INTERPRETATION 10-08 DSA/AC. SUCH CONDITIONS MUST BE CLEARLYDEMONSTRATED AND INDICATED IN THE SPECIFICATIONS:
- SUCH HARDWARE HAS A 'DOGGING' FEATURE.
- IT IS DOGGED DURING THE TIME THE FACILITY IS OPEN.
- SUCH 'DOGGING' OPERATION IS PERFORMED ONLY BY EMPLOYEES AS THEIR JOB FUNCTION (NON-PUBLIC USE).

DIVISION 9 - FINISHES
09650 RESILIENT FLOORING:
RESILIENT FLOORING DEMONSTRATING A COEFFICIENT OF FRICTION OF AT LEAST 0.6 PER ASTM D2047, WILL BE ACCEPTED AS MEETING THE INTENT OF SLIP RESISTANCE.
09680 CARPETING:
CARPET SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL-CUT, OR LEVEL-CUT/UNCUT PILE TEXTURE AND MAXIMUM PILE HEIGHT OF 1/2" PER CBC SECTION 11B-302.2.
CARPET EDGES SHALL COMPLY WITH CBC 11B-303.

DIVISION 10 - SPECIALTIES
10155 TOILET COMPARTMENTS: CBC SECTION 11B-604 8.1.2
TOILET STALLS FOR DISABLED PERSONS SHALL HAVE SLIDE BOLT DOOR LATCH, U-SHAPE OR WIRE PULLS BOTH SIDES OF THE DOOR AND SELF-CLOSING HINGES. DOORS HARDWARE SHALL BE MOUNTED AT 34" MIN TO 44" MAX ABOVE FINISHED FLOOR. DOORS AT FRONT ENTRY STALLS SHALL HAVE 32" MINIMUM CLEAR WIDTH WHEN THE DOOR IS OPEN 90°. DOORS AT SIDE ENTRY STALLS SHALL HAVE 34" MINIMUM CLEAR WIDTH WHEN THE DOOR IS OPEN 90°.
10800 TOILET ACCESSORIES:
TOILET ACCESSORIES REQUIRED TO BE ACCESSIBLE SHALL BE MOUNTED AT HEIGHTS ACCORDING TO CBC SECTION 11B-213.3. THE GRAB BAR CAN NOT PROJECT MORE THAN 3" INTO THE 48" MINIMUM CLEAR SPACE IN FRONT OF THE WATER CLOSET 11B-604.5 / 11B-604.8.1.5 / 11B-604.8.2.3. TOILET PAPER AND FEMININE NAPKIN DISPENSERS LOCATED ON THE GRAB BAR SIDE OF AN ACCESSIBLE TOILET ROOM OR STALL SHALL PROJECT MORE THAN THE GRAB BAR. THE ACCESSORY SHALL NOT BE LOCATED CLOSER THAN 1 1/2" CLEAR OF THE TANGENT POINT OF THE GRAB BAR. ACCESSORIES SURFACE MOUNTED ABOVE GRAB BAR WILL RESTRICT USABILITY

DIVISION 15 - MECHANICAL
15400 PLUMBING FIXTURES:
ACCESSIBLE PLUMBING FIXTURES SHALL COMPLY WITH ALL OF THE REQUIREMENTS OF CBC SECTION 11B-213.2 / 11B-603.2. THE HEIGHTS AND LOCATION OF ALL FIXTURES SHALL BE ACCORDING TO CBC TABLE 11B-604.9. FIXTURE CONTROLS SHALL COMPLY WITH CBC SECTION 11B-213.2 / 11B-603.2.

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

PALOMAR COLLEGE EDUCATION CTR
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:

SYMBOLS LEGEND, ABBREVIATIONS & ADA SIGNAGE

REGISTERED ARCHITECT STATE OF CALIFORNIA C-33467 REN 01-31-2015

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (P

WINDOW SCHEDULE

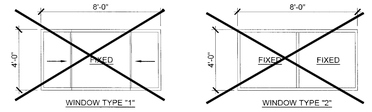
WINDOW NO.	QTY	TYPE	WIDTH	HEIGHT	FUNCTION	FRAME MATERIAL	GLASS MATERIAL	WALL THICKNESS	NOTES
~~A~~	~~1~~		~~6'-0"~~	~~4'-9"~~	~~XOX~~	~~ANOD~~	~~DP~~		
~~B~~	~~2~~		~~8'-0"~~	~~4'-0"~~	~~FIXED~~	~~FRW~~	~~FRG~~		~~45 MINUTE ASSEMBLY~~

WINDOW FINISH

ANOD: CLEAR ANODIZED ALUMINUM FRAME
BRONZ: BRONZE ANODIZED ALUMINUM FRAME
PAINT: PAINTED FRAME
WF: 16GA WELDED FRAME
FRW: FIRE RATED WINDOW
FRAME: MIN 0.048" THICK WELDED FRAME
FRG: FIRE RATED GLAZING: 1/4" WIRED GLASS. LABELED TO MEET THE REQUIREMENTS FOR A 3/4 HOUR FIRE WINDOW ASSEMBLY PER CBC SECTION/TABLE 715.5

DP: 3/16" MINIMUM DUAL PANE TEMPERED GLASS OF SOLAR GRAY - 3/16" ENERGYSHIELD, ALL OPERABLE SASH SHALL HAVE SCREENS. (U-FACTOR = .510 MAX, VT = 0.500 MIN., SHGC = .350 MAX, STC = 36 MIN.)

WINDOW TYPE



INTERNATIONAL WINDOW 6220 - 3/4" INSULATING GLASS UNIT PERFORMANCE
U-VALUE: 0.54
SHGC: 0.30

DOOR SCHEDULE

DOOR NO	WIDTH	HEIGHT	DOOR TYPE	QTY	DOOR MAT/FIN	FRAME MAT/FIN	HARDWARE SET	WALL THICKNESS	NOTES*
1	3'-0"	7'-0"	A		HM	KD	HW - 1	4 7/8"	
2	3'-0"	7'-0"	A		HM	KD	HW - 2	4 7/8"	NO CLOSER
~~3~~	~~2'-0"~~	~~7'-0"~~	~~B~~		~~HM~~	~~KD~~	~~HW - 3~~	~~4 7/8"~~	
~~4~~	~~3'-0"~~	~~7'-0"~~	~~C~~		~~HM~~	~~KD~~	~~HW - 4~~	~~5 1/4"~~	

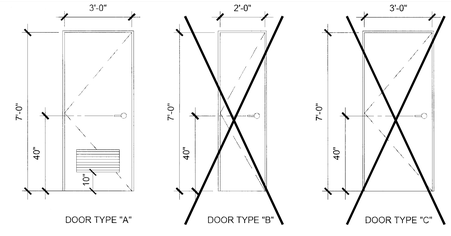
DOOR MATERIAL AND FINISH ABBREVIATIONS

HM: 18GA HOLLOW METAL
WF: 16GA WELDED FRAME
AL: ALUMINUM
SST: STAINLESS STEEL

KD: KNOCK DOWN FRAME
SCL: SOLID CORE WOOD LEGACY
HC: HOLLOW CORE WOOD
PT: PAINTED

*EXTERIOR DOORS TO BE UNINSULATED SINGLE LAYER DOORS W/ U-FACTOR OF 0.500 MAX

DOOR TYPES & NOTES



1. DOOR HANDLE FOR LOCKSETS AND PANIC HARDWARE TO BE CENTERED AT 40" AFF. HARDWARE TO BE OPENED FROM THE INSIDE WITHOUT THE USE OF A KEY OR SPECIAL TOOLS, KNOWLEDGE OR EFFORT. LEVERS TO RETURN TO WITHIN 1/2" OF DOOR.
2. ALL DOORS SHALL BE 1 3/4" THICK U.N.O.
3. CLOSER SHALL BE SET FOR MAXIMUM OPENING PRESSURE OF 5 LBS AT EXTERIOR AND INTERIOR DOORS.
4. PANIC HARDWARE IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER. CBC 1008.1.10
5. ALL HARDWARE SHALL COMPLY WITH SILVER CREEK'S SPEC'S ON THIS SHEET AND CBC SECTIONS 11B-206.5, 11B-404.1 AND 1008.
6. DOOR CLOSER SHALL BE ADJUSTED TO SO THAT FROM AN OPEN POSITION OF 70°, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3" FROM THE LATCH, MEASURED TO THE LANDING SIDE OF THE DOOR.
7. PANIC AND FIRE EXIT HARDWARE. WHERE THIS TYPE HARDWARE IS INSTALLED, IT SHALL COMPLY WITH THE FOLLOWING:
   - THE ACTUATING PORTION OF THE RELEASING DEVICE SHALL EXTEND AT LEAST ONE-HALF OF THE DOOR LEAF WIDTH.
   - THE MAXIMUM UNLATCHING FORCE SHALL NOT EXCEED 5LBS PER THE 2013 CBC
   APPROVED BY AUTHORITY W/ JURISDICTION. PANIC HARDWARE SHALL COMPLY WITH CBC SECTION 1008.1.10
8. THE FIRE PROTECTION FOR EXTERIOR WALL IS DETERMINED BASED UPON THE FIRE SEPARATION DISTANCE IN WHICH THE WALL IS LOCATED. SEE CBC TABLE 705.8 OR TABLE 602

FINISH SCHEDULE

ROOM NAME	FLOORING		WALL FINISH				CEILING		NOTES
	FLOOR	BASE	FRONT	LEFT	REAR	RIGHT	CEILING	CEILING HT	
GIRLS 101	SV	SC	FRP	FRP	FRP	FRP	GBP	8'-0"	
BOYS 102	SV	SC	FRP	FRP	FRP	FRP	GBP	8'-0"	
STAFF 103	SV	SC	FRP	FRP	FRP	FRP	GBP	8'-0"	
STAFF 104	SV	SC	FRP	FRP	FRP	FRP	GBP	8'-0"	
~~WORK ROOM 105~~	~~CARP~~	~~4" TS~~	~~TACK~~	~~TACK~~	~~TACK~~	~~TACK~~	~~GP~~	~~8'-0"~~	
~~PLUMBING CHASE~~									

FLOOR, WALL, CEILING MATERIALS

FLOORING
CARP: CARPET PER STATE OF CALIFORNIA SPECIFICATIONS COMPLYING WITH GROUP 1; TYPE "A" OR TYPE "B"; CLASS 2; DENSITY 4600; DIRECT GLUE DOWN
SV: SHEET VINYL FLOORING
VCT: VINYL COMPOSITION TILE

BASE
4" TS: 4" TOP SET BASE
6" TS: 6" TOP SET BASE
SC: 6" SELF-COVE BASE

WALLS
TACK: 1/2" VINYL TACKBOARD CLASS 1 OVER ½" GYPSUM BOARD BACKING
FRP: 1/8" FIBER REINFORCED PANEL OVER ½" WATER RESISTANT GYPSUM BOARD
GYP: 1/2" GYPSUM BOARD; TAPE; TEXTURE; PAINTED FINISH
PLY: 1/2" PLYWOOD FINISH
NF: NO FINISH

CEILING
CP: ACOUSTICAL LAY IN GRID CEILING PANELS (SEE SPECIFICATION NOTES ON REFLECTED CEILING PLAN)
HC: 5/8" GYPSUM BOARD; TAPE; TEXTURE; PAINTED FINISH (HARD LID CEILING)
GBP: 1/2" GYPSUM BOARD WASHABLE PANELS (PAINTED)

FINISH NOTES

1. ALL FINISHES SHALL COMPLY WITH CBC, CFC AND TITLE 19 CCR.
2. PREPARATION FOR SUB-FLOOR TO ACCEPT FINISH FLOORING IS BY FLOORING CONTRACTOR. PLYWOOD SUB-FLOOR IS 2.4.1. PLYWOOD. OUTER PLYWOOD IS PLUGGED AND TOUCH SANDED. ANY DEFORMITIES DUE TO STANDARD CONSTRUCTION PRACTICES SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR. THE JOINT AT THE MODLINE SHALL NOT BE LARGER THAN 1/8" AND SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR.
3. RESILIENT FLOORING DEMONSTRATING A COEFFICIENT OF FRICTION OF AT LEAST 0.6 PER ASTM D2047, WILL BE ACCEPTED AS MEETING THE INTENT OF SLIP RESISTANCE.
4. CARPET SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT, OR LEVEL CUT / UNCUT PILE TEXTURE AND MAXIMUM PILE HEIGHT OF 1/2" PER THE 2013 CBC. CARPET EDGE SHALL COMPLY WITH THE 2013 CBC
5. INTERIOR WALL AND CEILING FINISHES SHALL HAVE A MIN. CLASS "C" RATING. FLAME SPREAD INDEX 76-200 & SMOKE DEVELOPED INDEX 0-450 PER 2013 CBC 803.

DOOR HARDWARE

BOYS & GIRLS RESTROOM - EXTERIOR DOOR HW-1

LOCKSET	SCHLAGE ND70PDRHO626 (cylindrical)	Finish 26D	or equal
BUTTS	HAGER BB1191 4 ½" x 4 ½" NRP	Finish 26D	or equal
CLOSER	NORTON 8501 BFDA (OPTIONAL)	Finish 689	or equal
WEATHER STRIP	HAGER 891SAV 3684	Finish Alum	or equal
THRESHOLD	HAGER 413SA 36	Finish Alum	or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum	or equal
LOUVER	ANEMO 24 x 12	Finish Bronze	or equal

STAFF RESTROOM - EXTERIOR DOOR HW-2

LOCKSET	SCHLAGE ND85PDRHO626 (cylindrical)	Finish 26D	or equal
BUTTS	HAGER BB1191 4 ½" x 4 ½" NRP	Finish 26D	or equal
WEATHER STRIP	HAGER 891SAV 3684	Finish Alum	or equal
THRESHOLD	HAGER 413SA 36	Finish Alum	or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum	or equal
LOUVER	ANEMO 24 x 12	Finish Bronze	or equal

~~**CHASE EXTERIOR DOOR - EXTERIOR DOOR HW-3**~~

~~LOCKSET~~	~~SCHLAGE ND70PDRHO626 (cylindrical)~~	~~Finish 26D~~	~~or equal~~
~~BUTTS~~	~~HAGER BB1191 4 ½" x 4 ½" NRP~~	~~Finish 26D~~	~~or equal~~
~~THRESHOLD~~	~~HAGER 413SA 36~~	~~Finish Alum~~	~~or equal~~
~~DOOR BOTTOM~~	~~HAGER 783SAV 35N~~	~~Finish Alum~~	~~or equal~~

~~**WORKROOM - EXTERIOR DOOR HW-4**~~

~~LOCKSET~~	~~SCHLAGE ND70PDRHO626 (cylindrical)~~	~~Finish 26D~~	~~or equal~~
~~BUTTS~~	~~HAGER BB1191 4 ½" x 4 ½" NRP~~	~~Finish 26D~~	~~or equal~~
~~CLOSER~~	~~NORTON 8501 BFDA~~	~~Finish 689~~	~~or equal~~
~~WEATHER STRIP~~	~~HAGER 891SAV 3684~~	~~Finish Alum~~	~~or equal~~
~~THRESHOLD~~	~~HAGER 413SA 36~~	~~Finish Alum~~	~~or equal~~
~~DOOR BOTTOM~~	~~HAGER 783SAV 35N~~	~~Finish Alum~~	~~or equal~~

INSULATION SPECIFICATIONS

MOISTURE PROTECTION INSULATION:

DESCRIPTION OF WORK: THE FURNISHING AND INSTALLING OF ALL INSULATION FOR ALL CEILING, FLOOR AREAS, AND EXTERIOR WALLS. (CLASS A = 0-25 FLAME SPREAD.) SMOKE DEVELOPMENT DENSITY LESS THAN 450.

MATERIAL: INSULATING MATERIAL FOR WALLS, CEILINGS, AND FLOORS SHALL BE FIBERGLASS BATTS (UNFACED) AND SHALL COMPLY WITH CBC 720.2 & 720.3. INSULATION SHALL BE AS MANUFACTURED BY OWENS-CORNING FIBERGLASS CORPORATION, JOHNS-MANVILLE, CERTAINTIES, OR EQUAL.

EXTERIOR WALL INSULATION (MIN.)
- [ ] R-13 (2x4)
- [x] R-19 (2x6)
- [ ] R-30 (2x8)

INTERIOR WALL INSULATION (MIN.)
R-13

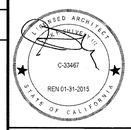
FLOOR INSULATION (MIN.)
R-19

ROOF INSULATION (MIN.)
R-30

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:
SCHEDULES



ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
A SEPARATE PERMIT APPLICATION IS FOR CONSTRUCTION IS REQUIRED

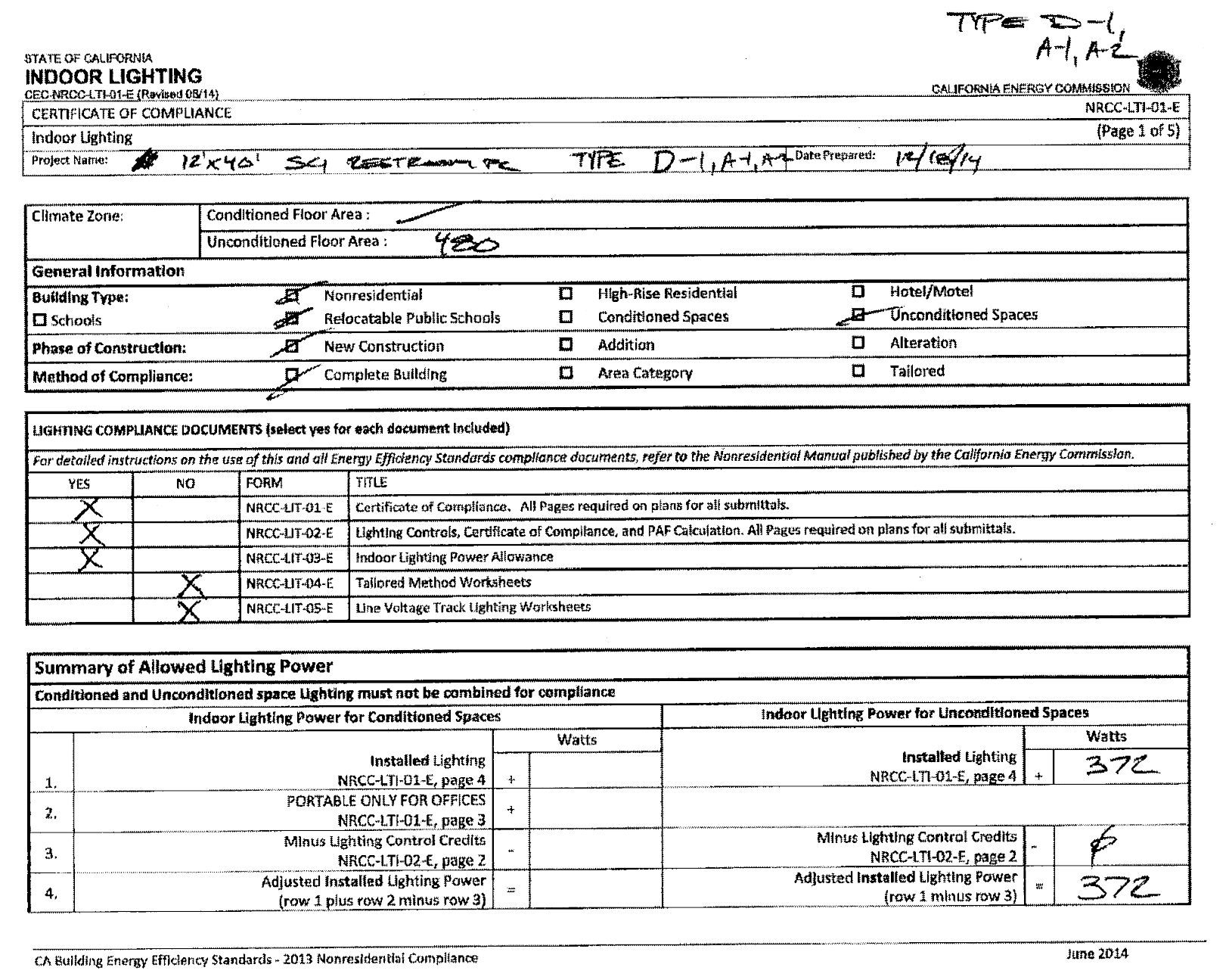
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
ACCESSIBILITY PLS SS RAF
DATE JUL - 8 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-16-2015

P.C. SHEET NUMBER
A-0.2


TYPE D-1, A-1, A-2

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-LTI-01-E
Indoor Lighting (Page 1 of 5)
Project Name: # 12'x40' SCI RESTROOM PC TYPE D-1, A-1, A-2 Date Prepared: 12/18/14

Climate Zone:
Conditioned Floor Area :
Unconditioned Floor Area : 480

General Information
Building Type: ☒ Nonresidential ☐ High-Rise Residential ☐ Hotel/Motel
☐ Schools ☒ Relocatable Public Schools ☐ Conditioned Spaces ☒ Unconditioned Spaces
Phase of Construction: ☒ New Construction ☐ Addition ☐ Alteration
Method of Compliance: ☒ Complete Building ☐ Area Category ☐ Tailored

LIGHTING COMPLIANCE DOCUMENTS (select yes for each document included)

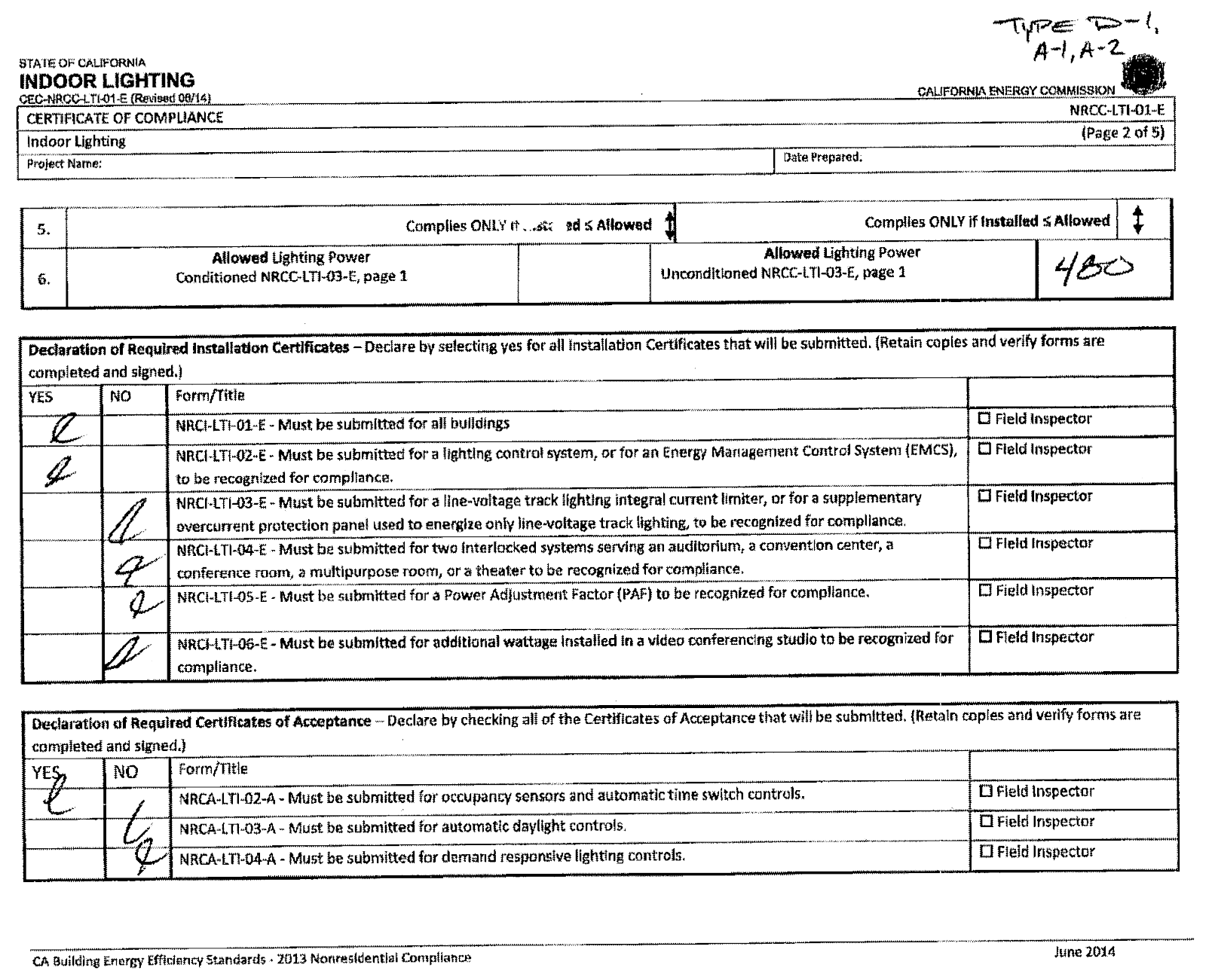
For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.

YES	NO	FORM	TITLE
X		NRCC-LIT-01-E	Certificate of Compliance. All Pages required on plans for all submittals.
X		NRCC-LIT-02-E	Lighting Controls, Certificate of Compliance, and PAF Calculation. All Pages required on plans for all submittals.
X		NRCC-LIT-03-E	Indoor Lighting Power Allowance
	X	NRCC-LIT-04-E	Tailored Method Worksheets
	X	NRCC-LIT-05-E	Line Voltage Track Lighting Worksheets

Summary of Allowed Lighting Power
Conditioned and Unconditioned space Lighting must not be combined for compliance

	Indoor Lighting Power for Conditioned Spaces		Watts	Indoor Lighting Power for Unconditioned Spaces		Watts
1.	Installed Lighting NRCC-LTI-01-E, page 4	+		Installed Lighting NRCC-LTI-01-E, page 4	+	372
2.	PORTABLE ONLY FOR OFFICES NRCC-LTI-01-E, page 3	+				
3.	Minus Lighting Control Credits NRCC-LTI-02-E, page 2	-		Minus Lighting Control Credits NRCC-LTI-02-E, page 2	-	∅
4.	Adjusted Installed Lighting Power (row 1 plus row 2 minus row 3)	=		Adjusted Installed Lighting Power (row 1 minus row 3)	=	372

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014


TYPE D-1, A-1, A-2

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-LTI-01-E
Indoor Lighting (Page 2 of 5)
Project Name: Date Prepared:

5.	Complies ONLY if Installed ≤ Allowed	↕	Complies ONLY if Installed ≤ Allowed		↕
6.	Allowed Lighting Power Conditioned NRCC-LTI-03-E, page 1		Allowed Lighting Power Unconditioned NRCC-LTI-03-E, page 1		480

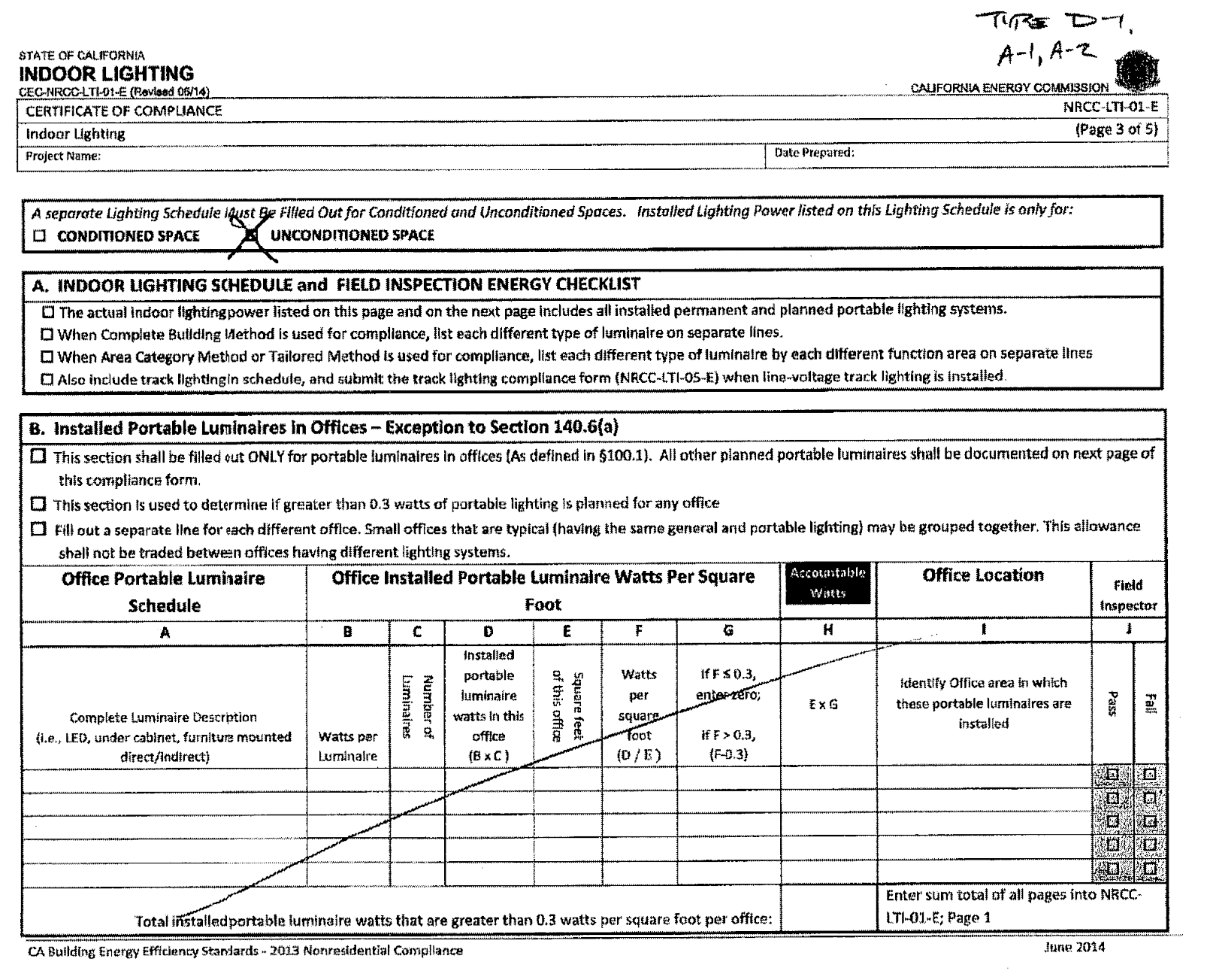
Declaration of Required Installation Certificates – Declare by selecting yes for all Installation Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)

YES	NO	Form/Title	
✓		NRCI-LTI-01-E - Must be submitted for all buildings	☐ Field Inspector
✓		NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐ Field Inspector
	✓	NRCI-LTI-03-E - Must be submitted for a line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting, to be recognized for compliance.	☐ Field Inspector
	✓	NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	☐ Field Inspector
	✓	NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	☐ Field Inspector
	✓	NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	☐ Field Inspector

Declaration of Required Certificates of Acceptance – Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify forms are completed and signed.)

YES	NO	Form/Title	
✓		NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	☐ Field Inspector
	✓	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	☐ Field Inspector
	✓	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	☐ Field Inspector

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014


TYPE D-1, A-1, A-2

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-LTI-01-E
Indoor Lighting (Page 3 of 5)
Project Name: Date Prepared:

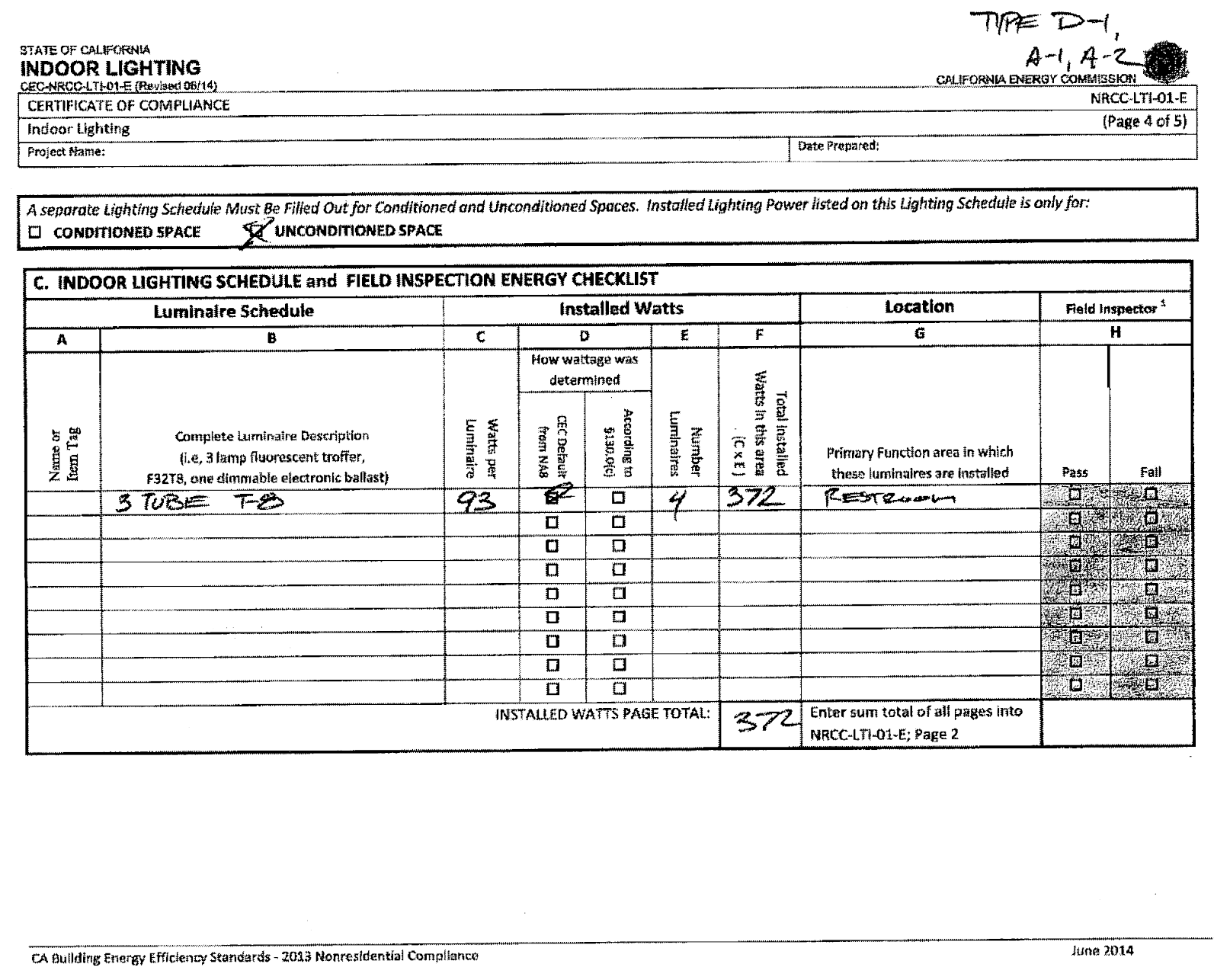
A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:
☐ CONDITIONED SPACE ☒ UNCONDITIONED SPACE

A. INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST
- ☐ The actual indoor lighting power listed on this page and on the next page includes all installed permanent and planned portable lighting systems.
- ☐ When Complete Building Method is used for compliance, list each different type of luminaire on separate lines.
- ☐ When Area Category Method or Tailored Method is used for compliance, list each different type of luminaire by each different function area on separate lines
- ☐ Also include track lighting in schedule, and submit the track lighting compliance form (NRCC-LTI-05-E) when line-voltage track lighting is installed.

B. Installed Portable Luminaires in Offices – Exception to Section 140.6(a)
- ☐ This section shall be filled out ONLY for portable luminaires in offices (As defined in §100.1). All other planned portable luminaires shall be documented on next page of this compliance form.
- ☐ This section is used to determine if greater than 0.3 watts of portable lighting is planned for any office
- ☐ Fill out a separate line for each different office. Small offices that are typical (having the same general and portable lighting) may be grouped together. This allowance shall not be traded between offices having different lighting systems.

Office Portable Luminaire Schedule	Office Installed Portable Luminaire Watts Per Square Foot						Accountable Watts	Office Location	Field Inspector	
A	B	C	D	E	F	G	H	I	J	
Complete Luminaire Description (i.e., LED, under cabinet, furniture mounted direct/indirect)	Watts per Luminaire	Number of Luminaires	Installed portable luminaire watts in this office (B x C)	Square feet of this office	Watts per square foot (D / E)	If F ≤ 0.3, enter zero; If F > 0.3, (F-0.3)	E x G	Identify Office area in which these portable luminaires are installed	Pass	Fail
									☐	☐
									☐	☐
									☐	☐
									☐	☐
									☐	☐
Total installed portable luminaire watts that are greater than 0.3 watts per square foot per office:								Enter sum total of all pages into NRCC-LTI-01-E; Page 1		

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014


TYPE D-1, A-1, A-2

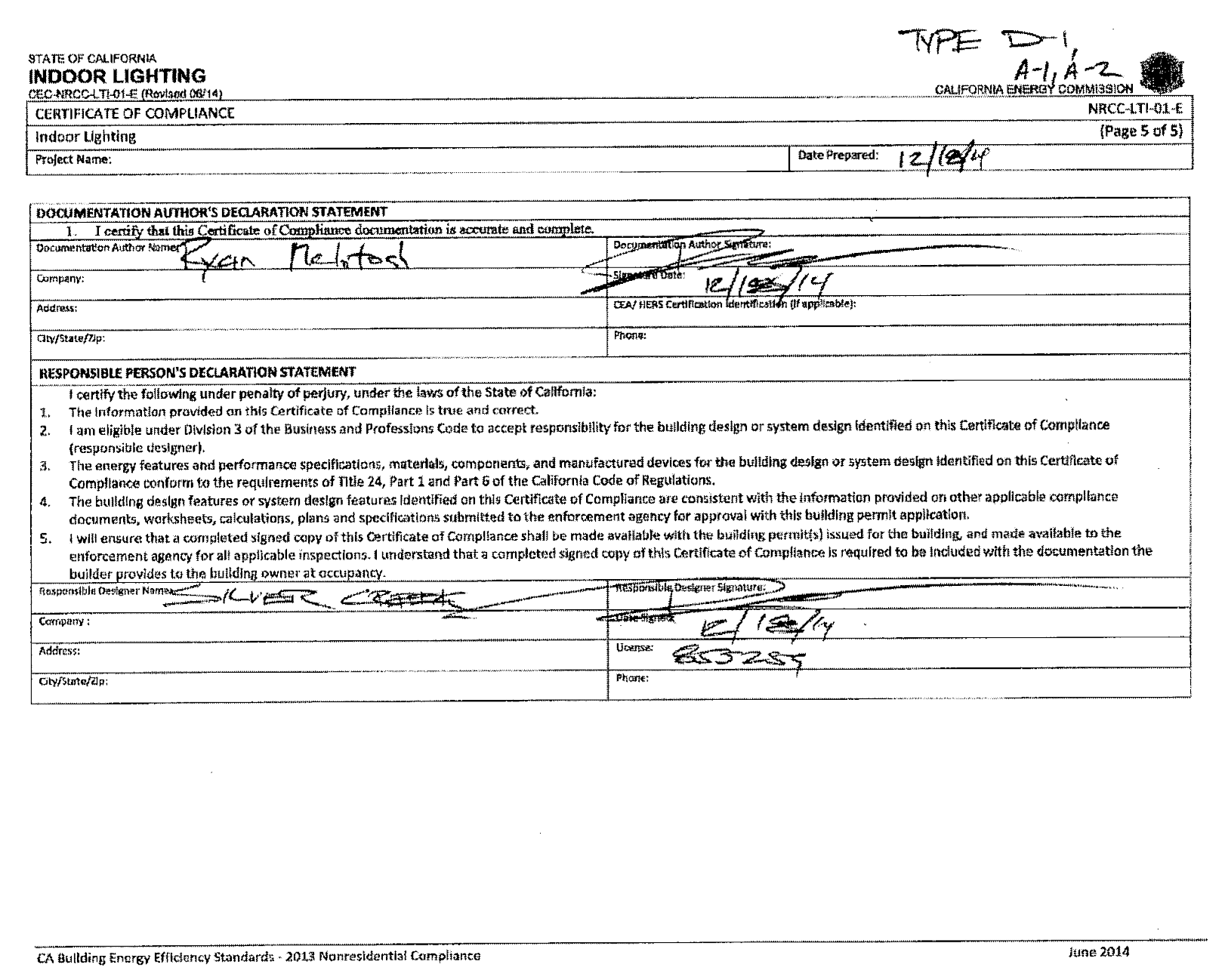
STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-LTI-01-E
Indoor Lighting (Page 4 of 5)
Project Name: Date Prepared:

A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:
☐ CONDITIONED SPACE ☒ UNCONDITIONED SPACE

C. INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

Luminaire Schedule		Installed Watts					Location	Field Inspector [1]	
A	B	C	D		E	F	G	H	
			How wattage was determined						
Name or Item Tag	Complete Luminaire Description (i.e, 3 lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Watts per Luminaire	CEC Default from NA8	According to §130.0(c)	Number Luminaires	Total Installed Watts in this area (C x E)	Primary Function area in which these luminaires are installed	Pass	Fail
	3 TUBE T-8	93	☒	☐	4	372	RESTROOM	☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
INSTALLED WATTS PAGE TOTAL:						372	Enter sum total of all pages into NRCC-LTI-01-E; Page 2		

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014


TYPE D-1, A-1, A-2

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-LTI-01-E
Indoor Lighting (Page 5 of 5)
Project Name: Date Prepared: 12/18/14

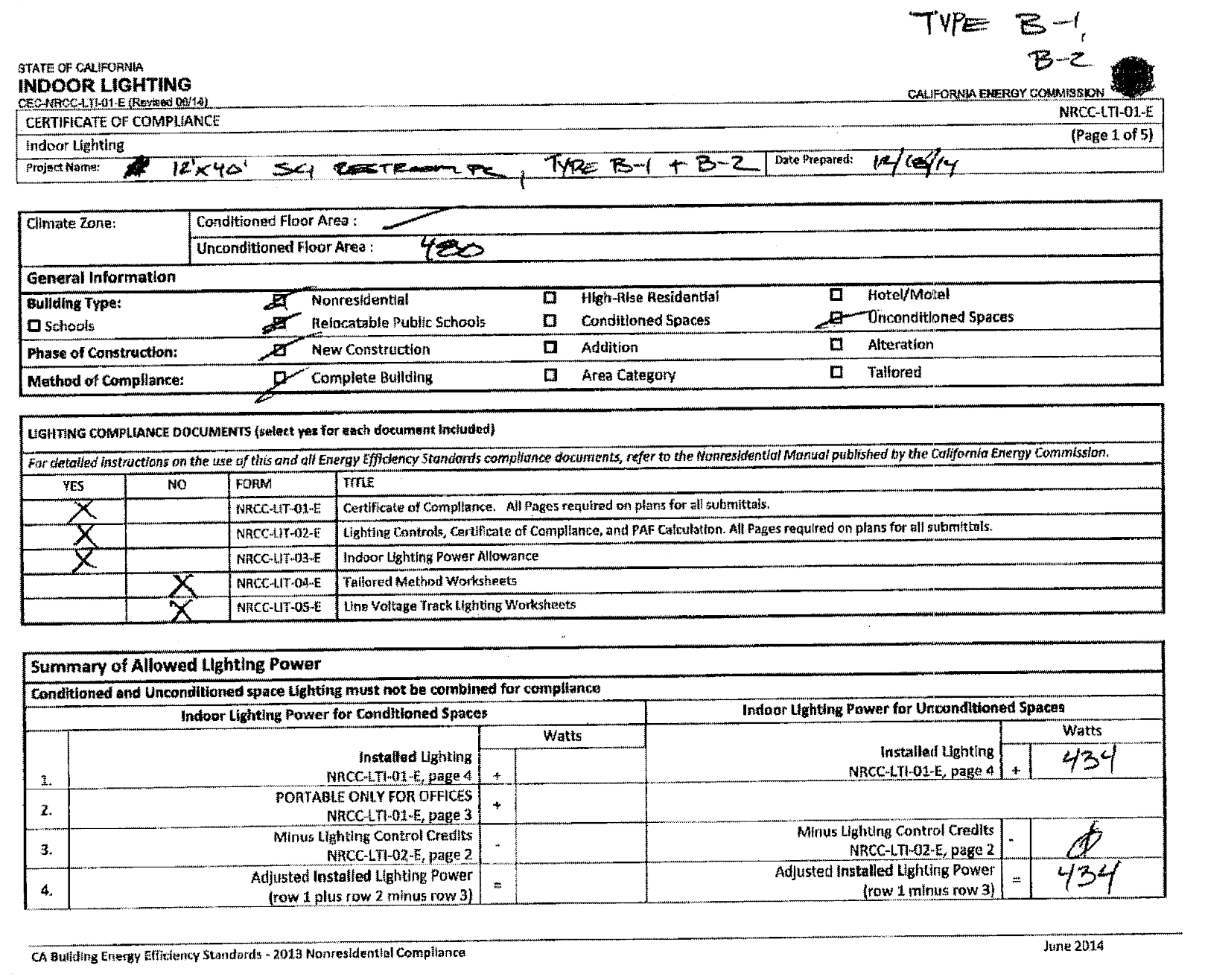
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ryan McIntosh
Documentation Author Signature:
Company:
Signature Date: 12/18/14
Address:
CEA/ HERS Certification Identification (If applicable):
City/State/Zip:
Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: SILVER CREEK
Responsible Designer Signature:
Company :
Date Signed: 12/18/14
Address:
License: 853257
City/State/Zip:
Phone:

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014


TYPE B-1, B-2

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-LTI-01-E
Indoor Lighting (Page 1 of 5)
Project Name: # 12'x40' SCI RESTROOM PC, TYPE B-1 + B-2 Date Prepared: 12/18/14

Climate Zone:
Conditioned Floor Area :
Unconditioned Floor Area : 480

General Information
Building Type: ☒ Nonresidential ☐ High-Rise Residential ☐ Hotel/Motel
☐ Schools ☒ Relocatable Public Schools ☐ Conditioned Spaces ☒ Unconditioned Spaces
Phase of Construction: ☒ New Construction ☐ Addition ☐ Alteration
Method of Compliance: ☒ Complete Building ☐ Area Category ☐ Tailored

LIGHTING COMPLIANCE DOCUMENTS (select yes for each document included)

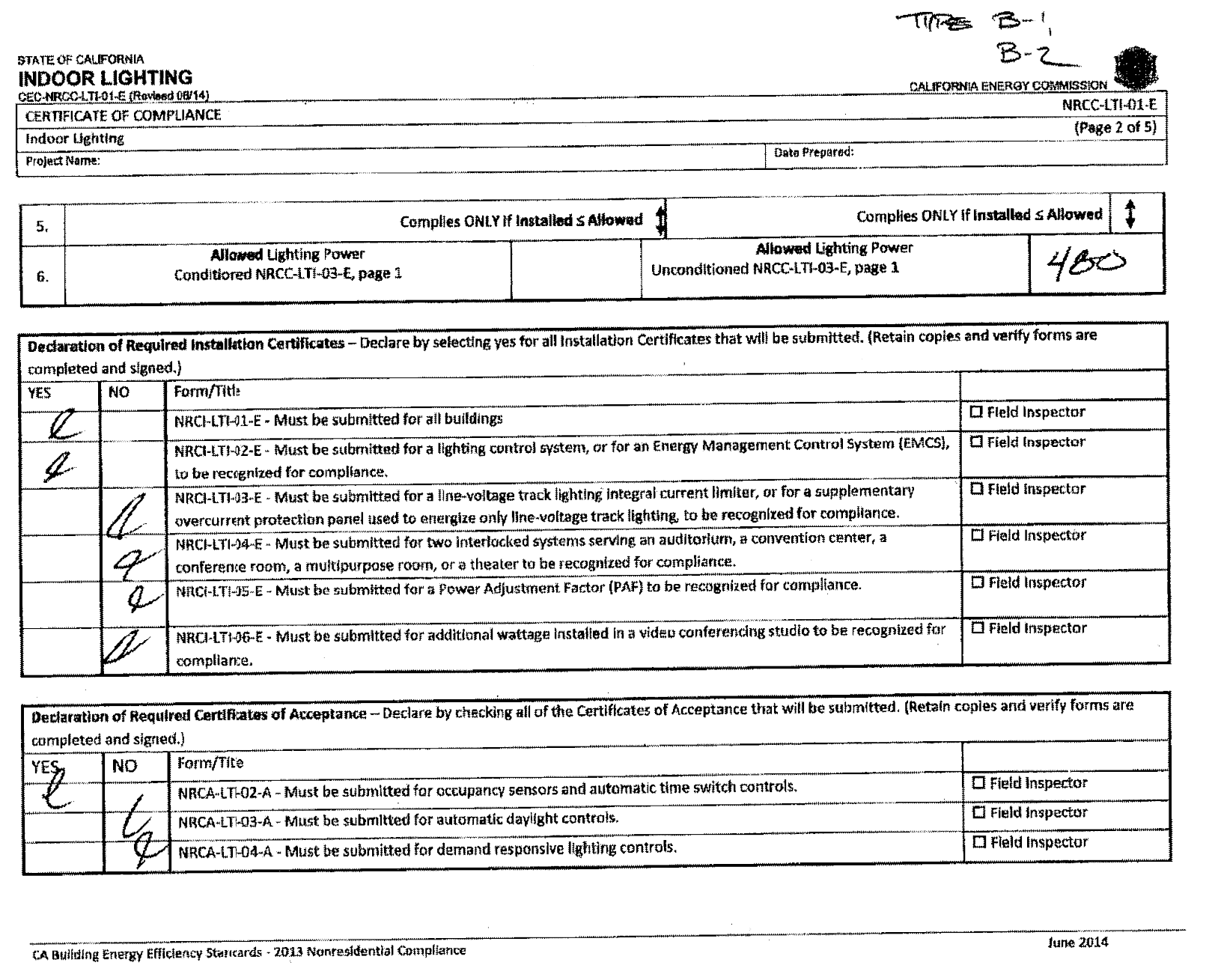
For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.

YES	NO	FORM	TITLE
X		NRCC-LIT-01-E	Certificate of Compliance. All Pages required on plans for all submittals.
X		NRCC-LIT-02-E	Lighting Controls, Certificate of Compliance, and PAF Calculation. All Pages required on plans for all submittals.
X		NRCC-LIT-03-E	Indoor Lighting Power Allowance
	X	NRCC-LIT-04-E	Tailored Method Worksheets
	X	NRCC-LIT-05-E	Line Voltage Track Lighting Worksheets

Summary of Allowed Lighting Power
Conditioned and Unconditioned space Lighting must not be combined for compliance

	Indoor Lighting Power for Conditioned Spaces		Watts	Indoor Lighting Power for Unconditioned Spaces		Watts
1.	Installed Lighting NRCC-LTI-01-E, page 4	+		Installed Lighting NRCC-LTI-01-E, page 4	+	434
2.	PORTABLE ONLY FOR OFFICES NRCC-LTI-01-E, page 3	+				
3.	Minus Lighting Control Credits NRCC-LTI-02-E, page 2	-		Minus Lighting Control Credits NRCC-LTI-02-E, page 2	-	∅
4.	Adjusted Installed Lighting Power (row 1 plus row 2 minus row 3)	=		Adjusted Installed Lighting Power (row 1 minus row 3)	=	434

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014


TYPE B-1, B-2

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-LTI-01-E
Indoor Lighting (Page 2 of 5)
Project Name: Date Prepared:

5.	Complies ONLY if Installed ≤ Allowed	↕	Complies ONLY if Installed ≤ Allowed		↕
6.	Allowed Lighting Power Conditioned NRCC-LTI-03-E, page 1		Allowed Lighting Power Unconditioned NRCC-LTI-03-E, page 1		480

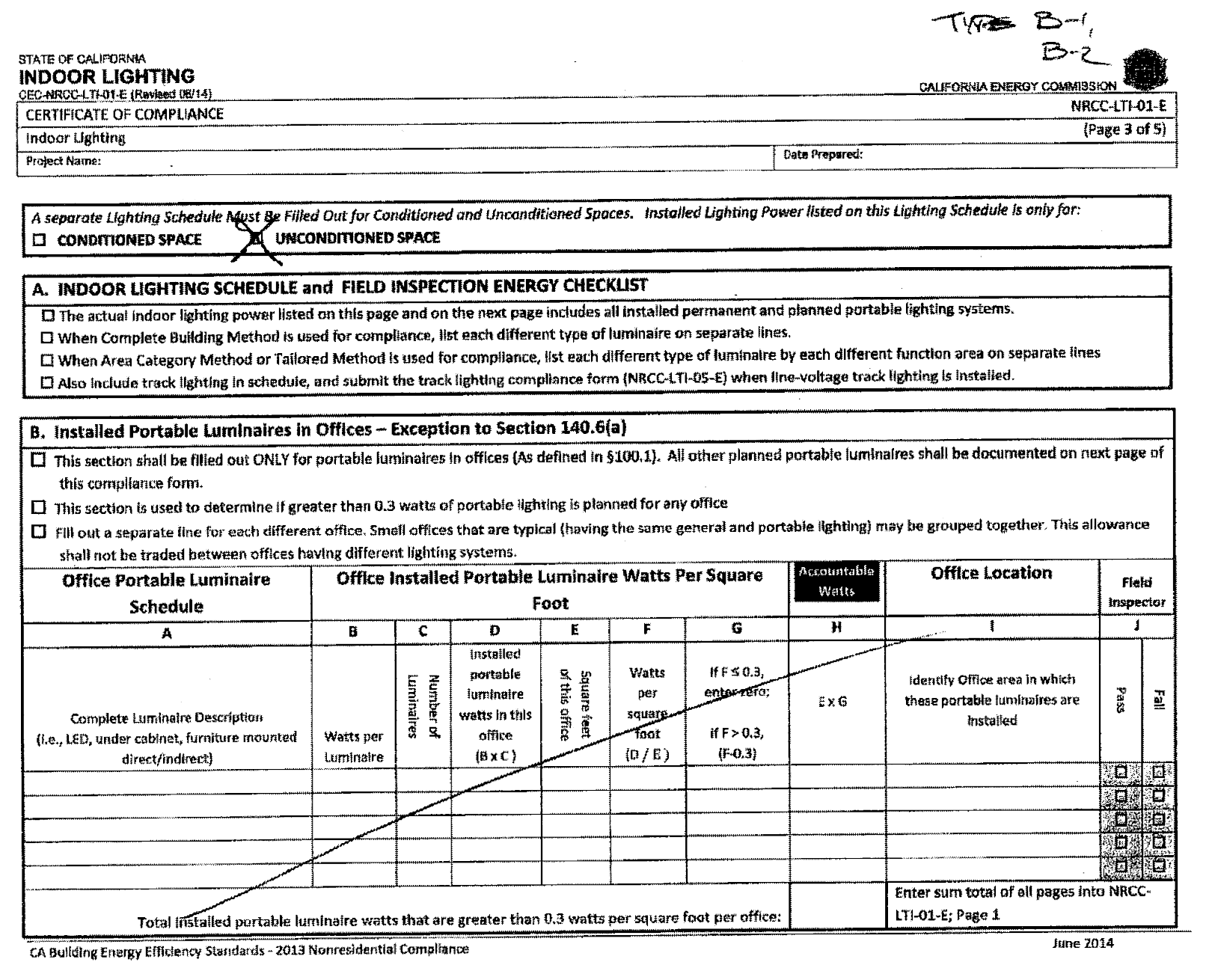
Declaration of Required Installation Certificates – Declare by selecting yes for all Installation Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)

YES	NO	Form/Title	
✓		NRCI-LTI-01-E - Must be submitted for all buildings	☐ Field Inspector
✓		NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐ Field Inspector
	✓	NRCI-LTI-03-E - Must be submitted for a line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting, to be recognized for compliance.	☐ Field Inspector
	✓	NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	☐ Field Inspector
	✓	NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	☐ Field Inspector
	✓	NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	☐ Field Inspector

Declaration of Required Certificates of Acceptance – Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify forms are completed and signed.)

YES	NO	Form/Title	
✓		NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	☐ Field Inspector
	✓	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	☐ Field Inspector
	✓	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	☐ Field Inspector

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014


TYPE B-1, B-2

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-LTI-01-E
Indoor Lighting (Page 3 of 5)
Project Name: Date Prepared:

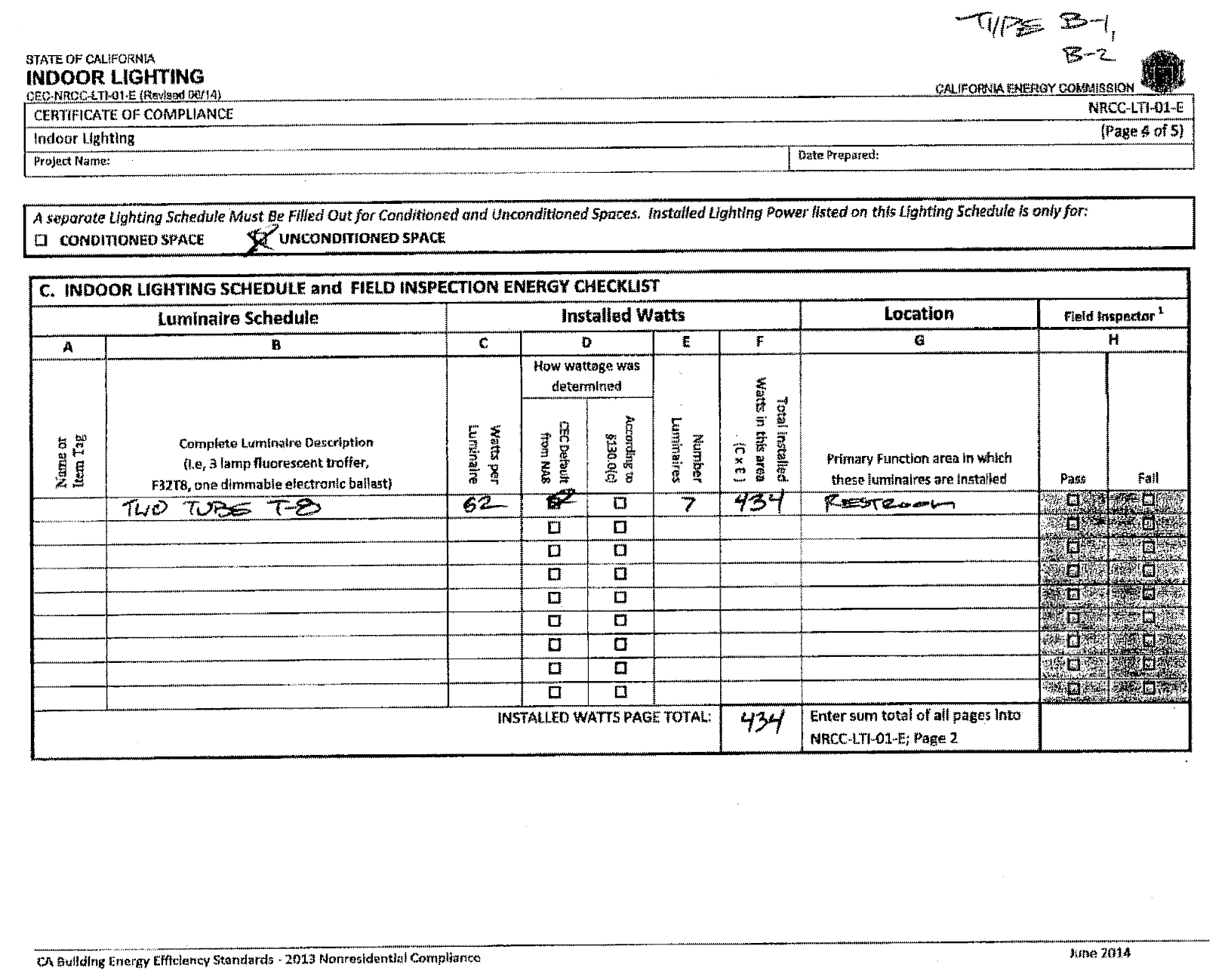
A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:
☐ CONDITIONED SPACE ☒ UNCONDITIONED SPACE

A. INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST
- ☐ The actual indoor lighting power listed on this page and on the next page includes all installed permanent and planned portable lighting systems.
- ☐ When Complete Building Method is used for compliance, list each different type of luminaire on separate lines.
- ☐ When Area Category Method or Tailored Method is used for compliance, list each different type of luminaire by each different function area on separate lines
- ☐ Also include track lighting in schedule, and submit the track lighting compliance form (NRCC-LTI-05-E) when line-voltage track lighting is installed.

B. Installed Portable Luminaires in Offices – Exception to Section 140.6(a)
- ☐ This section shall be filled out ONLY for portable luminaires in offices (As defined in §100.1). All other planned portable luminaires shall be documented on next page of this compliance form.
- ☐ This section is used to determine if greater than 0.3 watts of portable lighting is planned for any office
- ☐ Fill out a separate line for each different office. Small offices that are typical (having the same general and portable lighting) may be grouped together. This allowance shall not be traded between offices having different lighting systems.

Office Portable Luminaire Schedule	Office Installed Portable Luminaire Watts Per Square Foot						Accountable Watts	Office Location	Field Inspector	
A	B	C	D	E	F	G	H	I	J	
Complete Luminaire Description (i.e., LED, under cabinet, furniture mounted direct/indirect)	Watts per Luminaire	Number of Luminaires	Installed portable luminaire watts in this office (B x C)	Square feet of this office	Watts per square foot (D / E)	If F ≤ 0.3, enter zero; If F > 0.3, (F-0.3)	E x G	Identify Office area in which these portable luminaires are installed	Pass	Fail
									☐	☐
									☐	☐
									☐	☐
									☐	☐
									☐	☐
Total installed portable luminaire watts that are greater than 0.3 watts per square foot per office:								Enter sum total of all pages into NRCC-LTI-01-E; Page 1		

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014


TYPE B-1, B-2

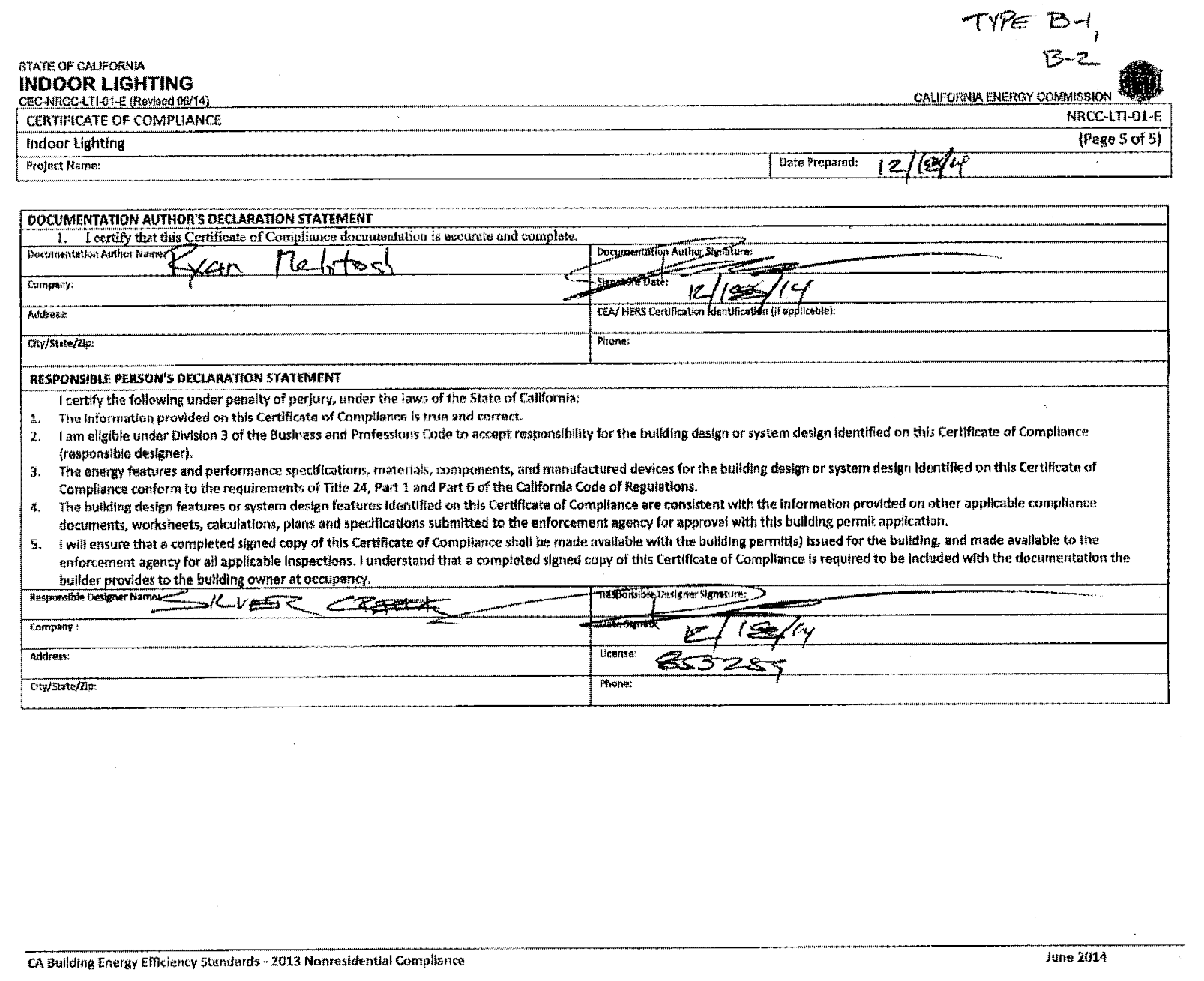
STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-LTI-01-E
Indoor Lighting (Page 4 of 5)
Project Name: Date Prepared:

A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:
☐ CONDITIONED SPACE ☒ UNCONDITIONED SPACE

C. INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

Luminaire Schedule		Installed Watts					Location	Field Inspector [1]	
A	B	C	D		E	F	G	H	
			How wattage was determined						
Name or Item Tag	Complete Luminaire Description (i.e, 3 lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Watts per Luminaire	CEC Default from NA8	According to §130.0(c)	Number Luminaires	Total Installed Watts in this area (C x E)	Primary Function area in which these luminaires are installed	Pass	Fail
	TWO TUBES T-8	62	☒	☐	7	434	RESTROOM	☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
INSTALLED WATTS PAGE TOTAL:						434	Enter sum total of all pages into NRCC-LTI-01-E; Page 2		

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014


TYPE B-1, B-2

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-LTI-01-E
Indoor Lighting (Page 5 of 5)
Project Name: Date Prepared: 12/18/14

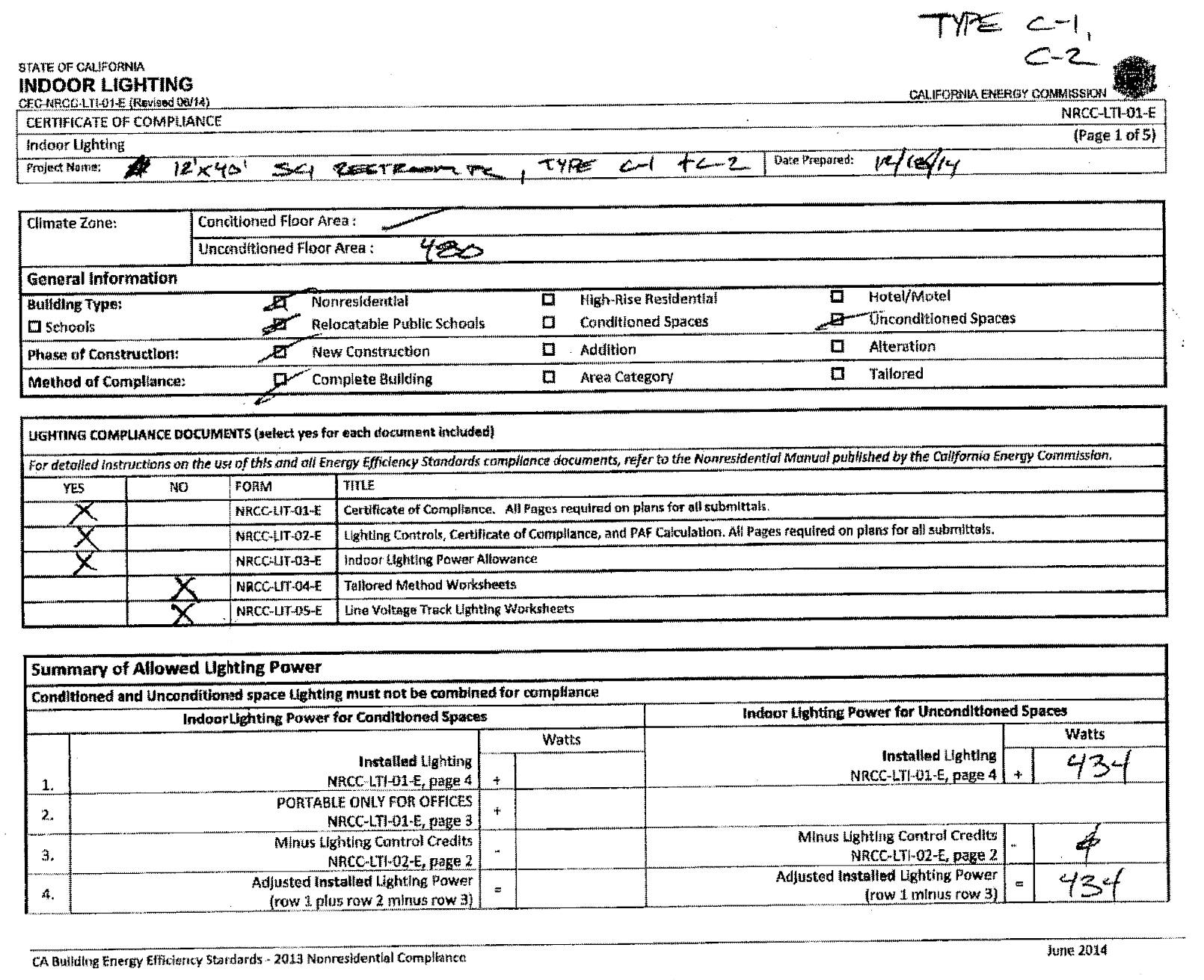
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ryan McIntosh
Documentation Author Signature:
Company:
Signature Date: 12/18/14
Address:
CEA/ HERS Certification Identification (If applicable):
City/State/Zip:
Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: SILVER CREEK
Responsible Designer Signature:
Company :
Date Signed: 12/18/14
Address:
License: 853257
City/State/Zip:
Phone:

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014


TYPE C-1, C-2

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-LTI-01-E
Indoor Lighting (Page 1 of 5)
Project Name: # 12'x40' SCI RESTROOM PC, TYPE C-1 + C-2 Date Prepared: 12/18/14

Climate Zone:
Conditioned Floor Area :
Unconditioned Floor Area : 480

General Information
Building Type: ☒ Nonresidential ☐ High-Rise Residential ☐ Hotel/Motel
☐ Schools ☒ Relocatable Public Schools ☐ Conditioned Spaces ☒ Unconditioned Spaces
Phase of Construction: ☒ New Construction ☐ Addition ☐ Alteration
Method of Compliance: ☒ Complete Building ☐ Area Category ☐ Tailored

LIGHTING COMPLIANCE DOCUMENTS (select yes for each document included)

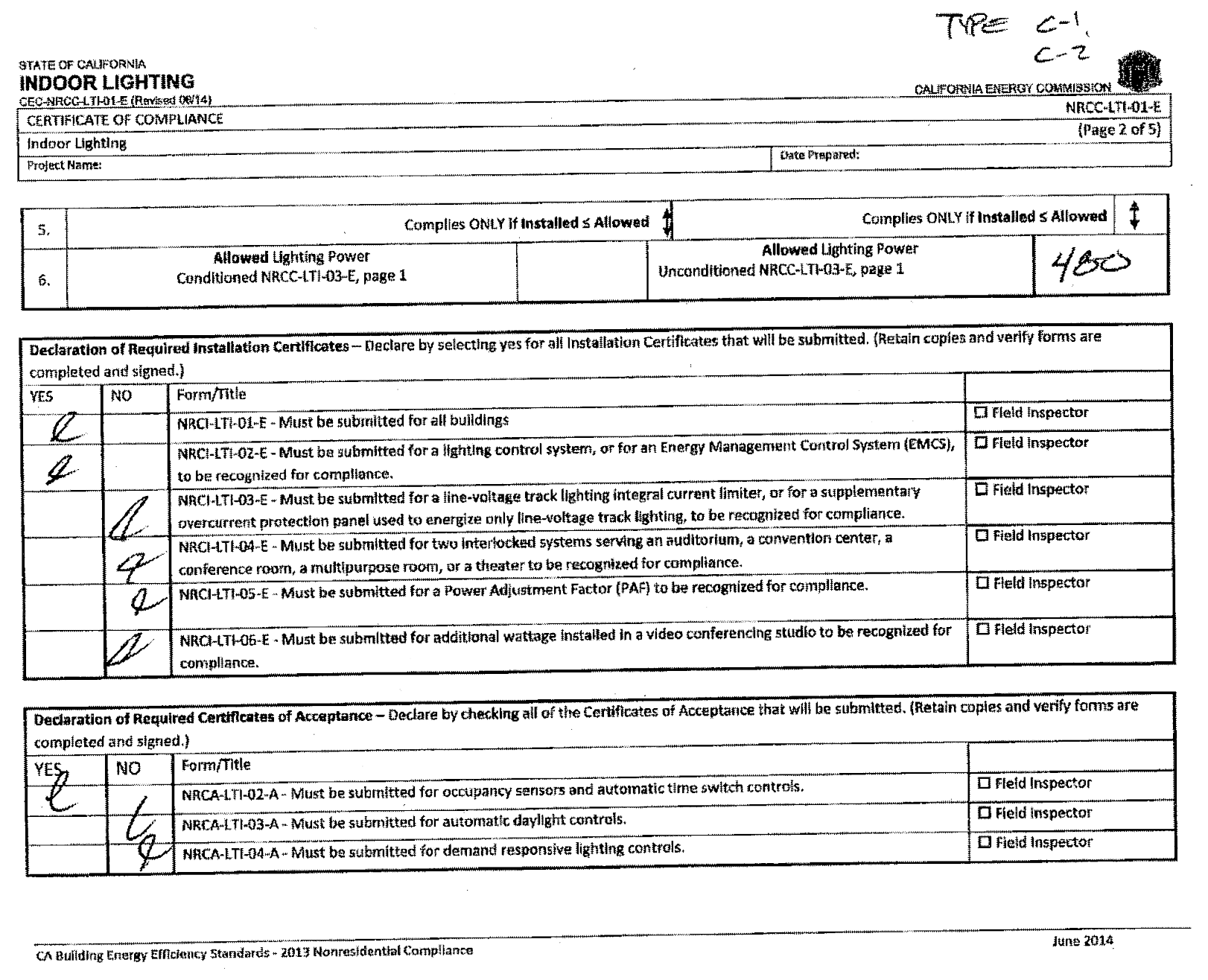
For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.

YES	NO	FORM	TITLE
X		NRCC-LIT-01-E	Certificate of Compliance. All Pages required on plans for all submittals.
X		NRCC-LIT-02-E	Lighting Controls, Certificate of Compliance, and PAF Calculation. All Pages required on plans for all submittals.
X		NRCC-LIT-03-E	Indoor Lighting Power Allowance
	X	NRCC-LIT-04-E	Tailored Method Worksheets
	X	NRCC-LIT-05-E	Line Voltage Track Lighting Worksheets

Summary of Allowed Lighting Power
Conditioned and Unconditioned space Lighting must not be combined for compliance

	Indoor Lighting Power for Conditioned Spaces		Watts	Indoor Lighting Power for Unconditioned Spaces		Watts
1.	Installed Lighting NRCC-LTI-01-E, page 4	+		Installed Lighting NRCC-LTI-01-E, page 4	+	434
2.	PORTABLE ONLY FOR OFFICES NRCC-LTI-01-E, page 3	+				
3.	Minus Lighting Control Credits NRCC-LTI-02-E, page 2	-		Minus Lighting Control Credits NRCC-LTI-02-E, page 2	-	∅
4.	Adjusted Installed Lighting Power (row 1 plus row 2 minus row 3)	=		Adjusted Installed Lighting Power (row 1 minus row 3)	=	434

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014


TYPE C-1, C-2

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-LTI-01-E
Indoor Lighting (Page 2 of 5)
Project Name: Date Prepared:

5.	Complies ONLY if Installed ≤ Allowed	↕	Complies ONLY if Installed ≤ Allowed		↕
6.	Allowed Lighting Power Conditioned NRCC-LTI-03-E, page 1		Allowed Lighting Power Unconditioned NRCC-LTI-03-E, page 1		480

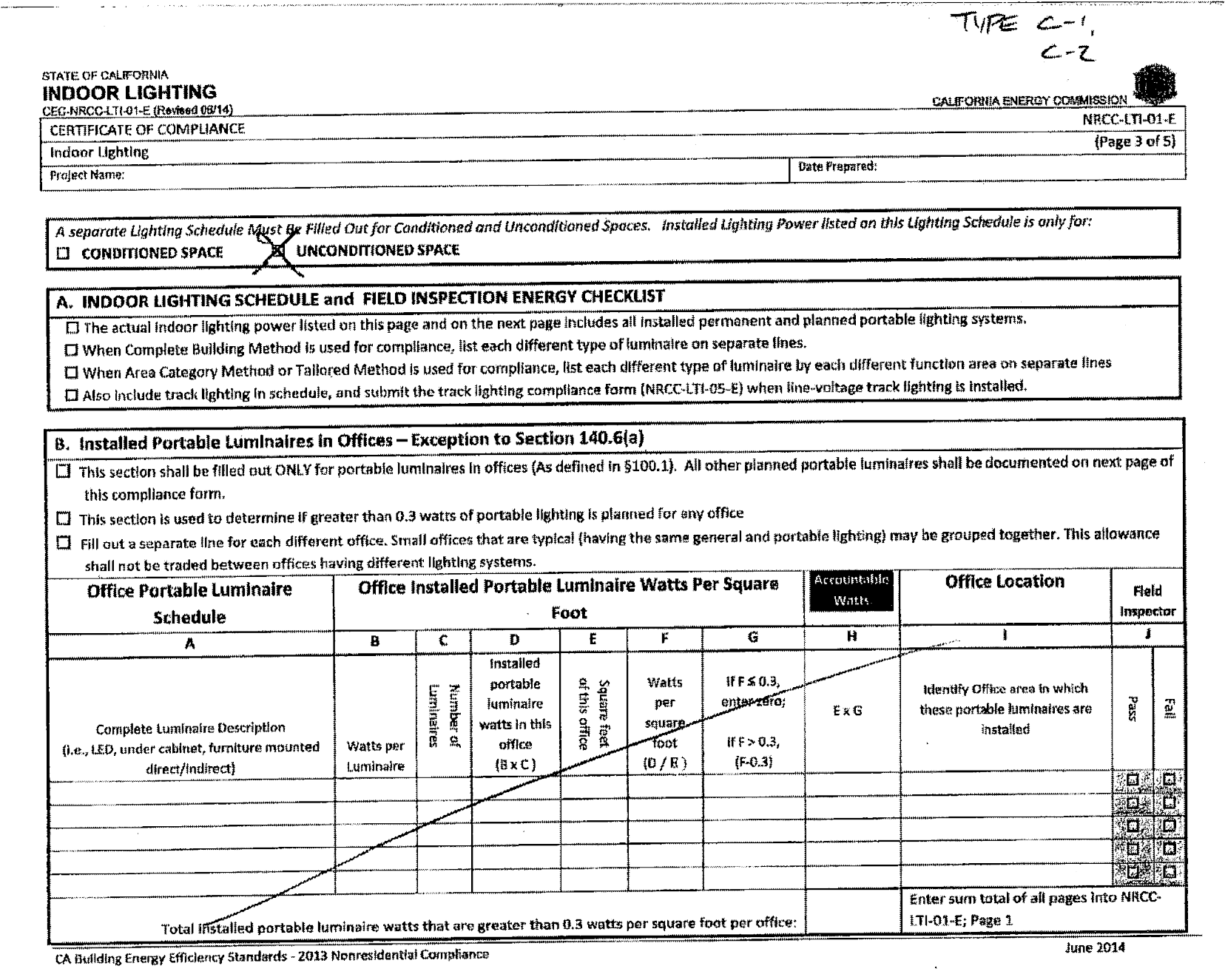
Declaration of Required Installation Certificates – Declare by selecting yes for all Installation Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)

YES	NO	Form/Title	
✓		NRCI-LTI-01-E - Must be submitted for all buildings	☐ Field Inspector
✓		NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐ Field Inspector
	✓	NRCI-LTI-03-E - Must be submitted for a line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting, to be recognized for compliance.	☐ Field Inspector
	✓	NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	☐ Field Inspector
	✓	NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	☐ Field Inspector
	✓	NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	☐ Field Inspector

Declaration of Required Certificates of Acceptance – Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify forms are completed and signed.)

YES	NO	Form/Title	
✓		NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	☐ Field Inspector
	✓	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	☐ Field Inspector
	✓	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	☐ Field Inspector

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014


TYPE C-1, C-2

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-LTI-01-E
Indoor Lighting (Page 3 of 5)
Project Name: Date Prepared:

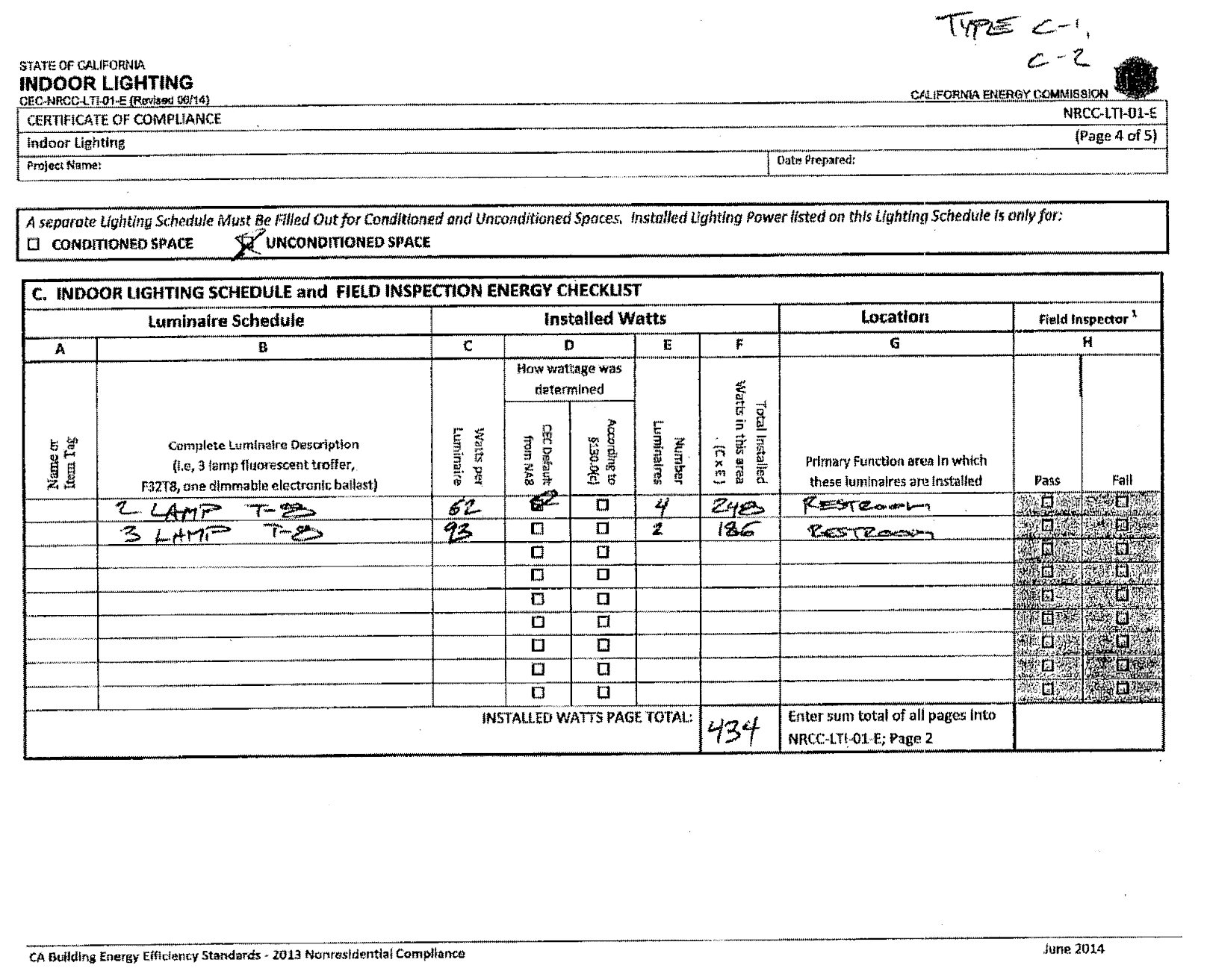
A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:
☐ CONDITIONED SPACE ☒ UNCONDITIONED SPACE

A. INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST
- ☐ The actual indoor lighting power listed on this page and on the next page includes all installed permanent and planned portable lighting systems.
- ☐ When Complete Building Method is used for compliance, list each different type of luminaire on separate lines.
- ☐ When Area Category Method or Tailored Method is used for compliance, list each different type of luminaire by each different function area on separate lines
- ☐ Also include track lighting in schedule, and submit the track lighting compliance form (NRCC-LTI-05-E) when line-voltage track lighting is installed.

B. Installed Portable Luminaires in Offices – Exception to Section 140.6(a)
- ☐ This section shall be filled out ONLY for portable luminaires in offices (As defined in §100.1). All other planned portable luminaires shall be documented on next page of this compliance form.
- ☐ This section is used to determine if greater than 0.3 watts of portable lighting is planned for any office
- ☐ Fill out a separate line for each different office. Small offices that are typical (having the same general and portable lighting) may be grouped together. This allowance shall not be traded between offices having different lighting systems.

Office Portable Luminaire Schedule	Office Installed Portable Luminaire Watts Per Square Foot						Accountable Watts	Office Location	Field Inspector	
A	B	C	D	E	F	G	H	I	J	
Complete Luminaire Description (i.e., LED, under cabinet, furniture mounted direct/indirect)	Watts per Luminaire	Number of Luminaires	Installed portable luminaire watts in this office (B x C)	Square feet of this office	Watts per square foot (D / E)	If F ≤ 0.3, enter zero; If F > 0.3, (F-0.3)	E x G	Identify Office area in which these portable luminaires are installed	Pass	Fail
									☐	☐
									☐	☐
									☐	☐
									☐	☐
									☐	☐
Total installed portable luminaire watts that are greater than 0.3 watts per square foot per office:								Enter sum total of all pages into NRCC-LTI-01-E; Page 1		

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014


TYPE C-1, C-2

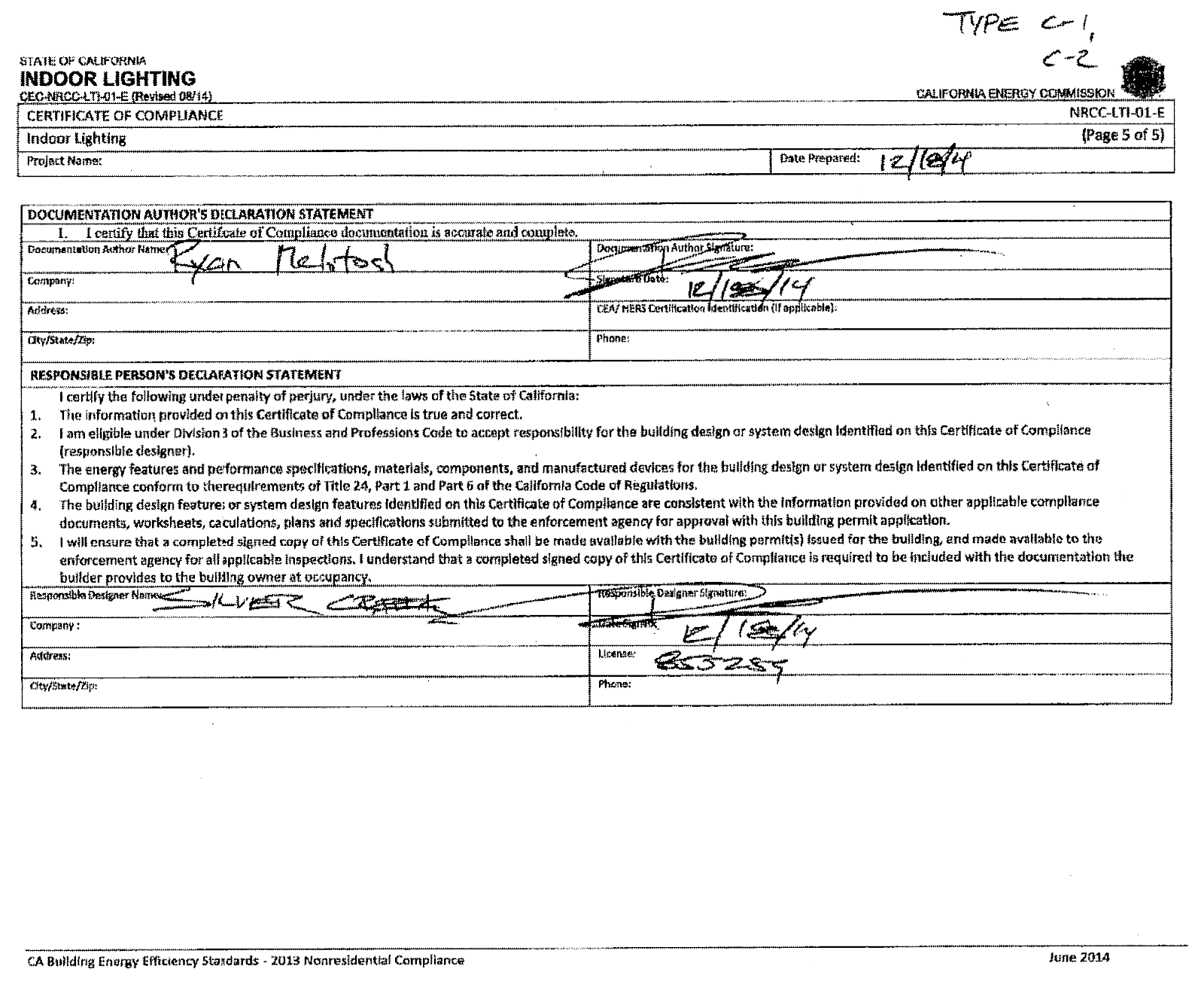
STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-LTI-01-E
Indoor Lighting (Page 4 of 5)
Project Name: Date Prepared:

A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:
☐ CONDITIONED SPACE ☒ UNCONDITIONED SPACE

C. INDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

Luminaire Schedule		Installed Watts					Location	Field Inspector [1]	
A	B	C	D		E	F	G	H	
			How wattage was determined						
Name or Item Tag	Complete Luminaire Description (i.e, 3 lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Watts per Luminaire	CEC Default from NA8	According to §130.0(c)	Number Luminaires	Total Installed Watts in this area (C x E)	Primary Function area in which these luminaires are installed	Pass	Fail
	2 LAMP T-8	62	☒	☐	4	248	RESTROOM	☐	☐
	3 LAMP T-8	93	☐	☐	2	186	RESTROOM	☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
			☐	☐				☐	☐
INSTALLED WATTS PAGE TOTAL:						434	Enter sum total of all pages into NRCC-LTI-01-E; Page 2		

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014


TYPE C-1, C-2

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-LTI-01-E
Indoor Lighting (Page 5 of 5)
Project Name: Date Prepared: 12/18/14

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ryan McIntosh
Documentation Author Signature:
Company:
Signature Date: 12/18/14
Address:
CEA/ HERS Certification Identification (If applicable):
City/State/Zip:
Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: SILVER CREEK
Responsible Designer Signature:
Company :
Date Signed: 12/18/14
Address:
License: 853257
City/State/Zip:
Phone:

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2014

Lydia Barron

Digitally signed by Lydia Barron
DN: st=California, l=Sacramento, o=California Department of General Services, ou=Division of the State Architect, ou=www.verisign.com/repository/CPS Incorp. by Ref.,LIAB.LTD(c)99, title=Architectural Associate, cn=Lydia Barron, email=lydia.barron@dgs.ca.gov
Date: 2015.06.30 09:46:31 -07'00'

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:

ENERGY COMPLIANCE FORMS

JACK SHIVELY III
C-33467
REN 01-31-2015

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

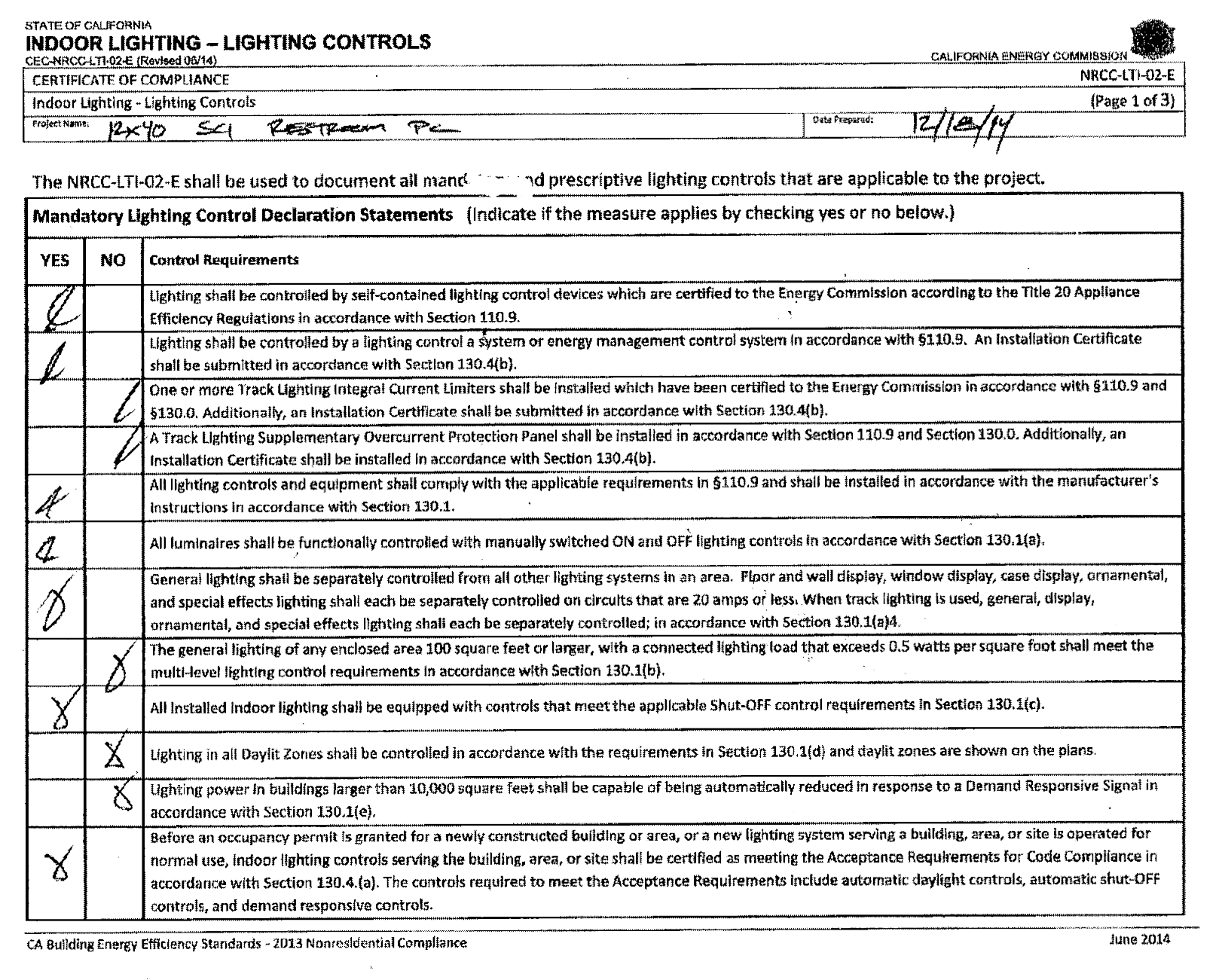
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
AC — FLS ✓ SS RAF
DATE JUL - 8 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-16-2015

P.C. SHEET NUMBER
A-0.5A



STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

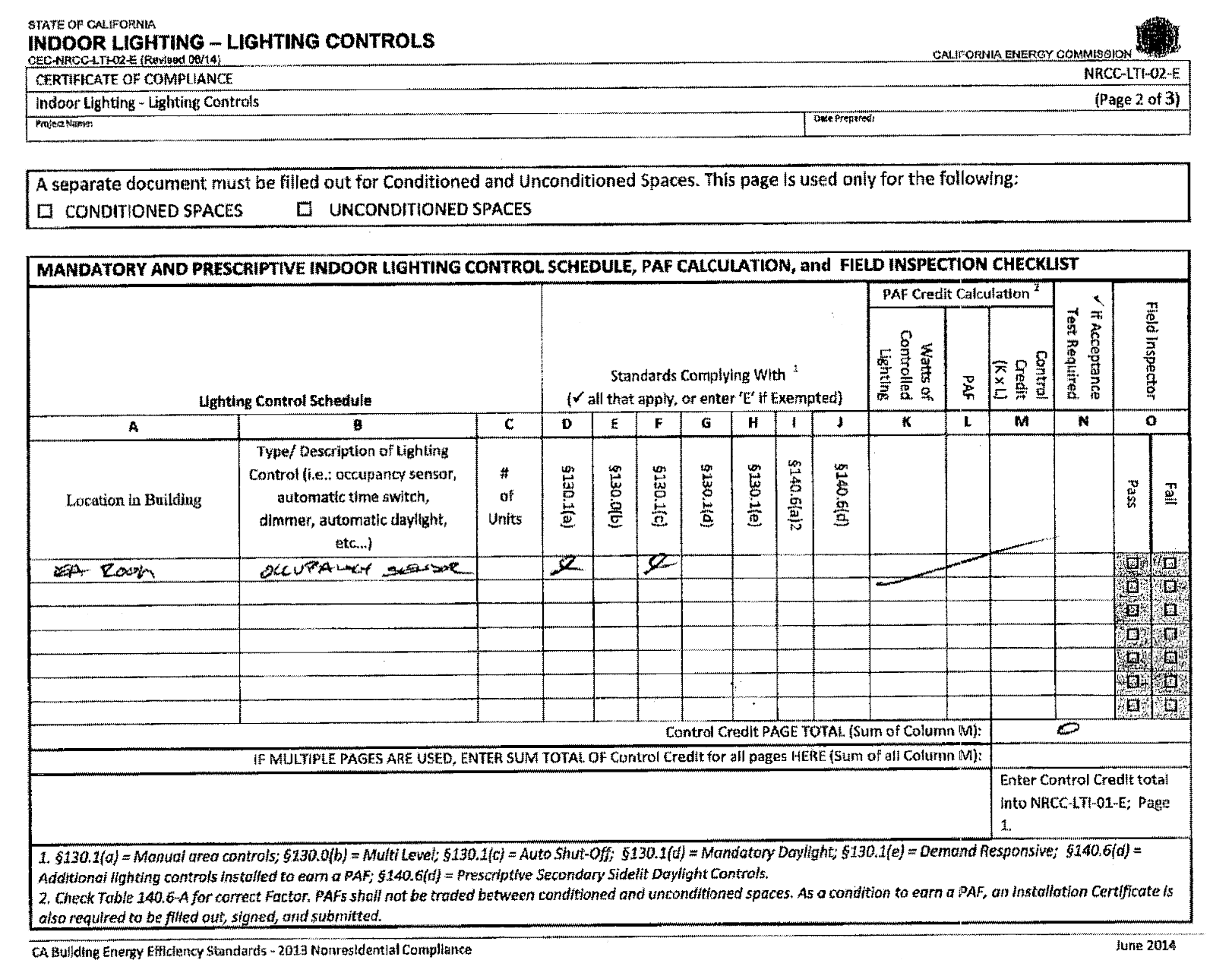
CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 1 of 3)
Project Name: 12x40 SCI RESTROOM PC	Date Prepared: 12/18/14

The NRCC-LTI-02-E shall be used to document all mand[illegible]nd prescriptive lighting controls that are applicable to the project.

Mandatory Lighting Control Declaration Statements (Indicate if the measure applies by checking yes or no below.)

YES	NO	Control Requirements
✓		Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with Section 110.9.
✓		Lighting shall be controlled by a lighting control a system or energy management control system in accordance with §110.9. An Installation Certificate shall be submitted in accordance with Section 130.4(b).
	✓	One or more Track Lighting Integral Current Limiters shall be installed which have been certified to the Energy Commission in accordance with §110.9 and §130.0. Additionally, an Installation Certificate shall be submitted in accordance with Section 130.4(b).
	✓	A Track Lighting Supplementary Overcurrent Protection Panel shall be installed in accordance with Section 110.9 and Section 130.0. Additionally, an Installation Certificate shall be installed in accordance with Section 130.4(b).
✓		All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with Section 130.1.
✓		All luminaires shall be functionally controlled with manually switched ON and OFF lighting controls in accordance with Section 130.1(a).
✓		General lighting shall be separately controlled from all other lighting systems in an area. Floor and wall display, window display, case display, ornamental, and special effects lighting shall each be separately controlled on circuits that are 20 amps or less. When track lighting is used, general, display, ornamental, and special effects lighting shall each be separately controlled; in accordance with Section 130.1(a)4.
	✓	The general lighting of any enclosed area 100 square feet or larger, with a connected lighting load that exceeds 0.5 watts per square foot shall meet the multi-level lighting control requirements in accordance with Section 130.1(b).
✓		All installed indoor lighting shall be equipped with controls that meet the applicable Shut-OFF control requirements in Section 130.1(c).
	X	Lighting in all Daylit Zones shall be controlled in accordance with the requirements in Section 130.1(d) and daylit zones are shown on the plans.
	✓	Lighting power in buildings larger than 10,000 square feet shall be capable of being automatically reduced in response to a Demand Responsive Signal in accordance with Section 130.1(e).
✓		Before an occupancy permit is granted for a newly constructed building or area, or a new lighting system serving a building, area, or site is operated for normal use, indoor lighting controls serving the building, area, or site shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with Section 130.4.(a). The controls required to meet the Acceptance Requirements include automatic daylight controls, automatic shut-OFF controls, and demand responsive controls.

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance — June 2014



STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 2 of 3)
Project Name:	Date Prepared:

A separate document must be filled out for Conditioned and Unconditioned Spaces. This page is used only for the following:
☐ CONDITIONED SPACES ☐ UNCONDITIONED SPACES

MANDATORY AND PRESCRIPTIVE INDOOR LIGHTING CONTROL SCHEDULE, PAF CALCULATION, and FIELD INSPECTION CHECKLIST

Lighting Control Schedule			Standards Complying With [1] (✓ all that apply, or enter 'E' if Exempted)							PAF Credit Calculation [2]				Field Inspector	
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
Location in Building	Type/ Description of Lighting Control (i.e.: occupancy sensor, automatic time switch, dimmer, automatic daylight, etc...)	# of Units	§130.1(a)	§130.0(b)	§130.1(c)	§130.1(d)	§130.1(e)	§140.6(a)2	§140.6(d)	Watts of Controlled Lighting	PAF	Control Credit (K x L)	✓ if Acceptance Test Required	Pass	Fail
EA ROOM	OCCUPANCY SENSOR		✓		✓									☐	☐
														☐	☐
														☐	☐
														☐	☐
														☐	☐
														☐	☐
														☐	☐

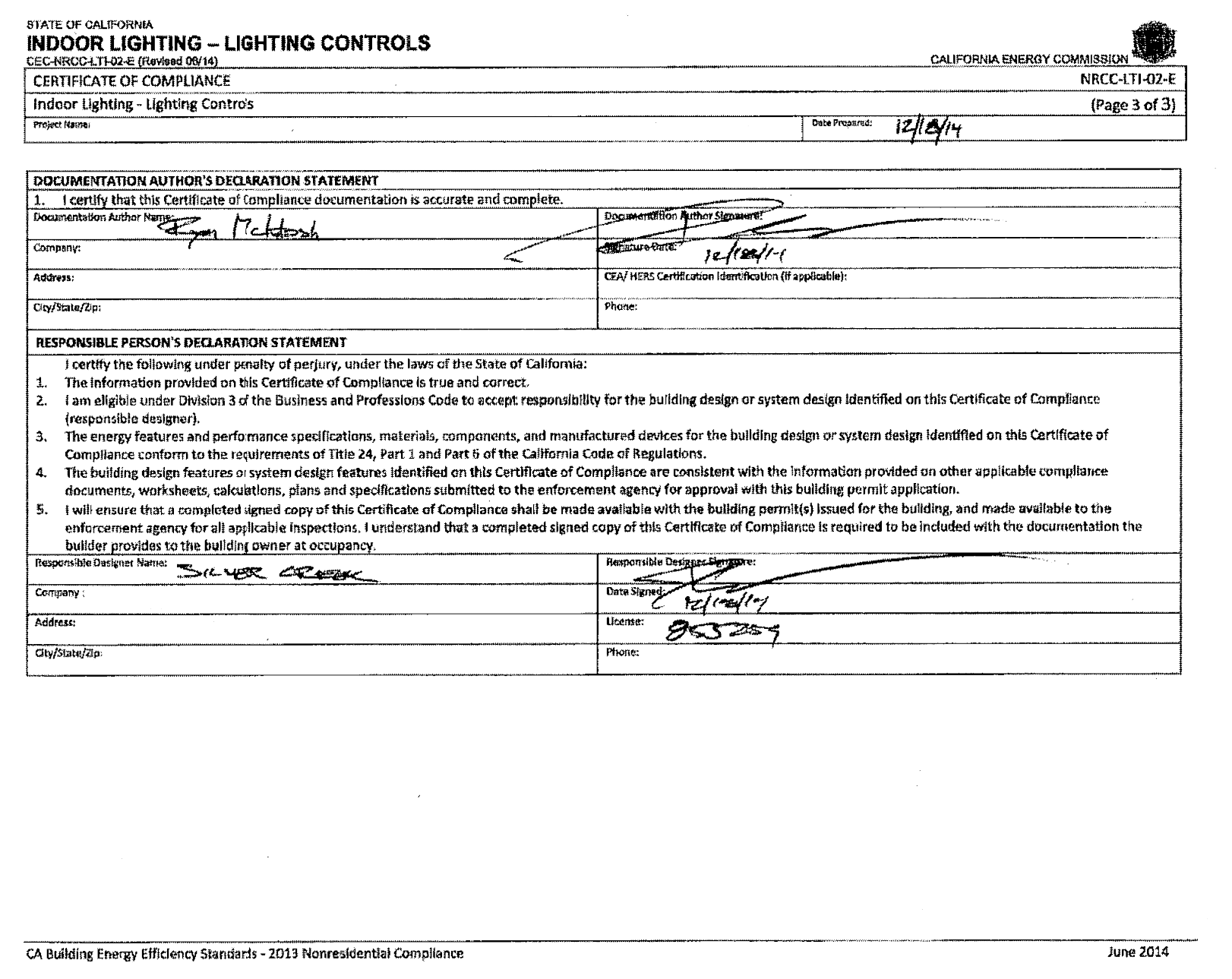
Control Credit PAGE TOTAL (Sum of Column M): 0

IF MULTIPLE PAGES ARE USED, ENTER SUM TOTAL OF Control Credit for all pages HERE (Sum of all Column M):

Enter Control Credit total into NRCC-LTI-01-E; Page 1.

1. §130.1(a) = Manual area controls; §130.0(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Mandatory Daylight; §130.1(e) = Demand Responsive; §140.6(a) = Additional lighting controls installed to earn a PAF; §140.6(d) = Prescriptive Secondary Sidelit Daylight Controls.
2. Check Table 140.6-A for correct Factor. PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is also required to be filled out, signed, and submitted.

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance — June 2014



STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 3 of 3)
Project Name:	Date Prepared: 12/18/14

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

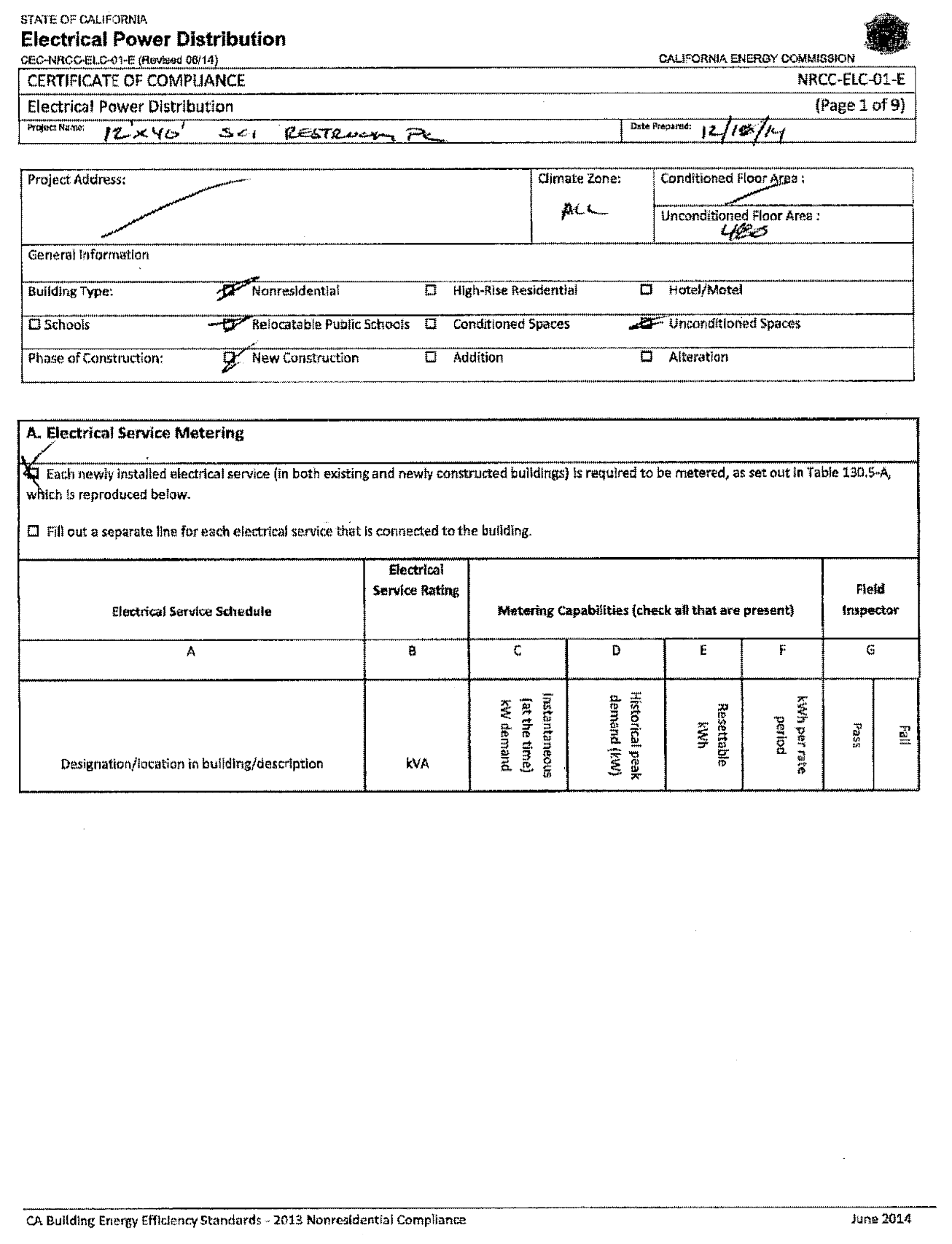
Documentation Author Name: Ryan McIntosh	Documentation Author Signature:
Company:	Signature Date: 12/18/14
Address:	CEA/ HERS Certification Identification (If applicable):
City/State/Zip:	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: SILVER CREEK	Responsible Designer Signature:
Company:	Date Signed: 12/18/14
Address:	License: 855259
City/State/Zip:	Phone:

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance — June 2014



STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 1 of 9)
Project Name: 12'x40' SCI RESTROOM PC	Date Prepared: 12/18/14

Project Address:	Climate Zone: ALL	Conditioned Floor Area:
		Unconditioned Floor Area: 480

General Information
- Building Type: ☑ Nonresidential ☐ High-Rise Residential ☐ Hotel/Motel
- ☐ Schools ☑ Relocatable Public Schools ☐ Conditioned Spaces ☑ Unconditioned Spaces
- Phase of Construction: ☑ New Construction ☐ Addition ☐ Alteration

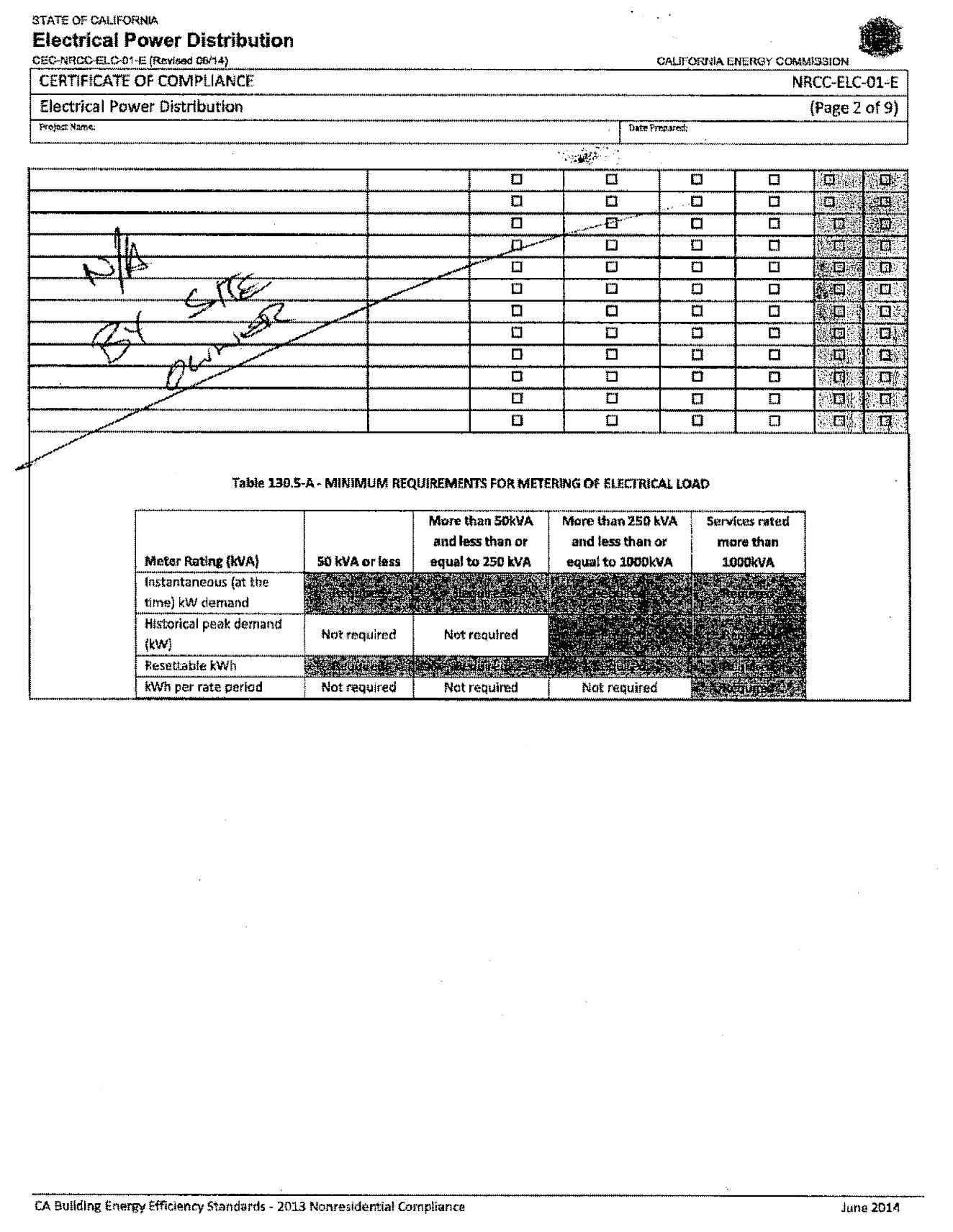
A. Electrical Service Metering

☑ Each newly installed electrical service (in both existing and newly constructed buildings) is required to be metered, as set out in Table 130.5-A, which is reproduced below.

☐ Fill out a separate line for each electrical service that is connected to the building.

Electrical Service Schedule	Electrical Service Rating	Metering Capabilities (check all that are present)				Field Inspector	
A	B	C	D	E	F	G	
Designation/location in building/description	kVA	Instantaneous (at the time) kW demand	Historical peak demand (kW)	Resettable kWh	kWh per rate period	Pass	Fail

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance — June 2014



STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

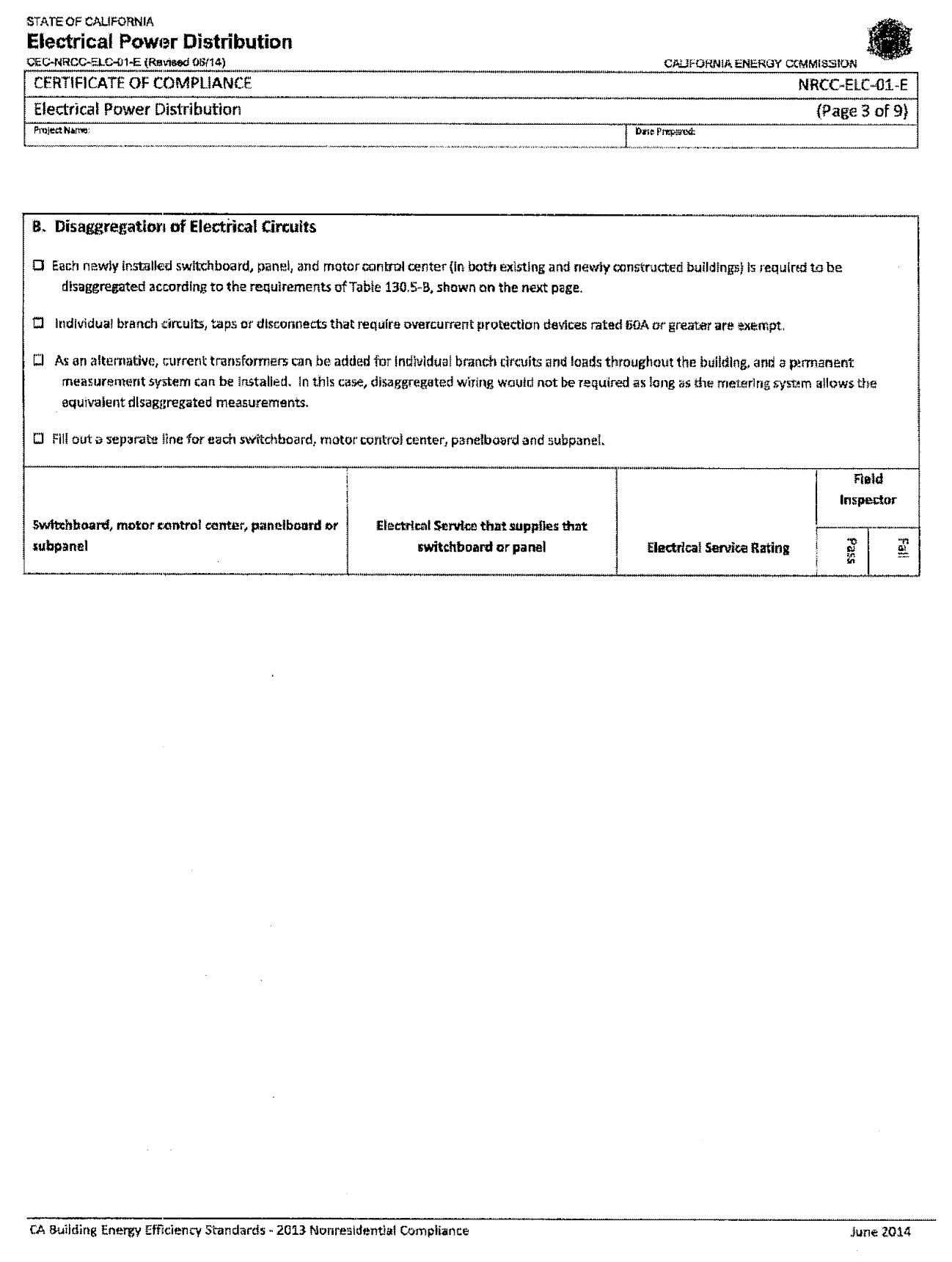
CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 2 of 9)
Project Name:	Date Prepared:

		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐
N/A		☐	☐	☐	☐	☐	☐
BY SITE		☐	☐	☐	☐	☐	☐
OWNER		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐
		☐	☐	☐	☐	☐	☐

Table 130.5-A - MINIMUM REQUIREMENTS FOR METERING OF ELECTRICAL LOAD

Meter Rating (kVA)	50 kVA or less	More than 50kVA and less than or equal to 250 kVA	More than 250 kVA and less than or equal to 1000kVA	Services rated more than 1000kVA
Instantaneous (at the time) kW demand	Required	Required	Required	Required
Historical peak demand (kW)	Not required	Not required	[illegible]	[illegible]
Resettable kWh	Required	Required	Required	Required
kWh per rate period	Not required	Not required	Not required	Required

---



STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 3 of 9)
Project Name:	Date Prepared:

B. Disaggregation of Electrical Circuits

☐ Each newly installed switchboard, panel, and motor control center (in both existing and newly constructed buildings) is required to be disaggregated according to the requirements of Table 130.5-B, shown on the next page.

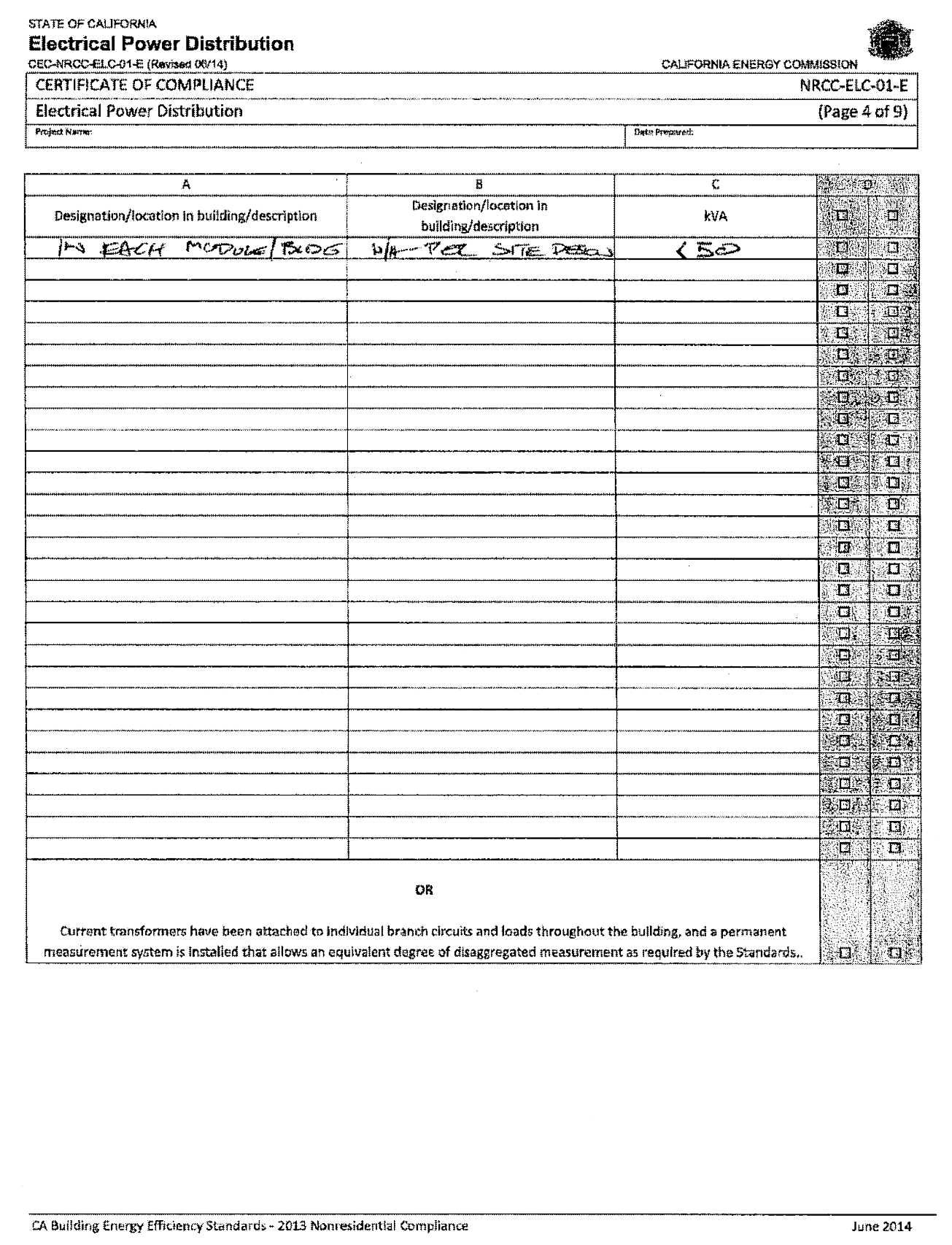
☐ Individual branch circuits, taps or disconnects that require overcurrent protection devices rated 60A or greater are exempt.

☐ As an alternative, current transformers can be added for individual branch circuits and loads throughout the building, and a permanent measurement system can be installed. In this case, disaggregated wiring would not be required as long as the metering system allows the equivalent disaggregated measurements.

☐ Fill out a separate line for each switchboard, motor control center, panelboard and subpanel.

Switchboard, motor control center, panelboard or subpanel	Electrical Service that supplies that switchboard or panel	Electrical Service Rating	Field Inspector	
			Pass	Fail

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance — June 2014



STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

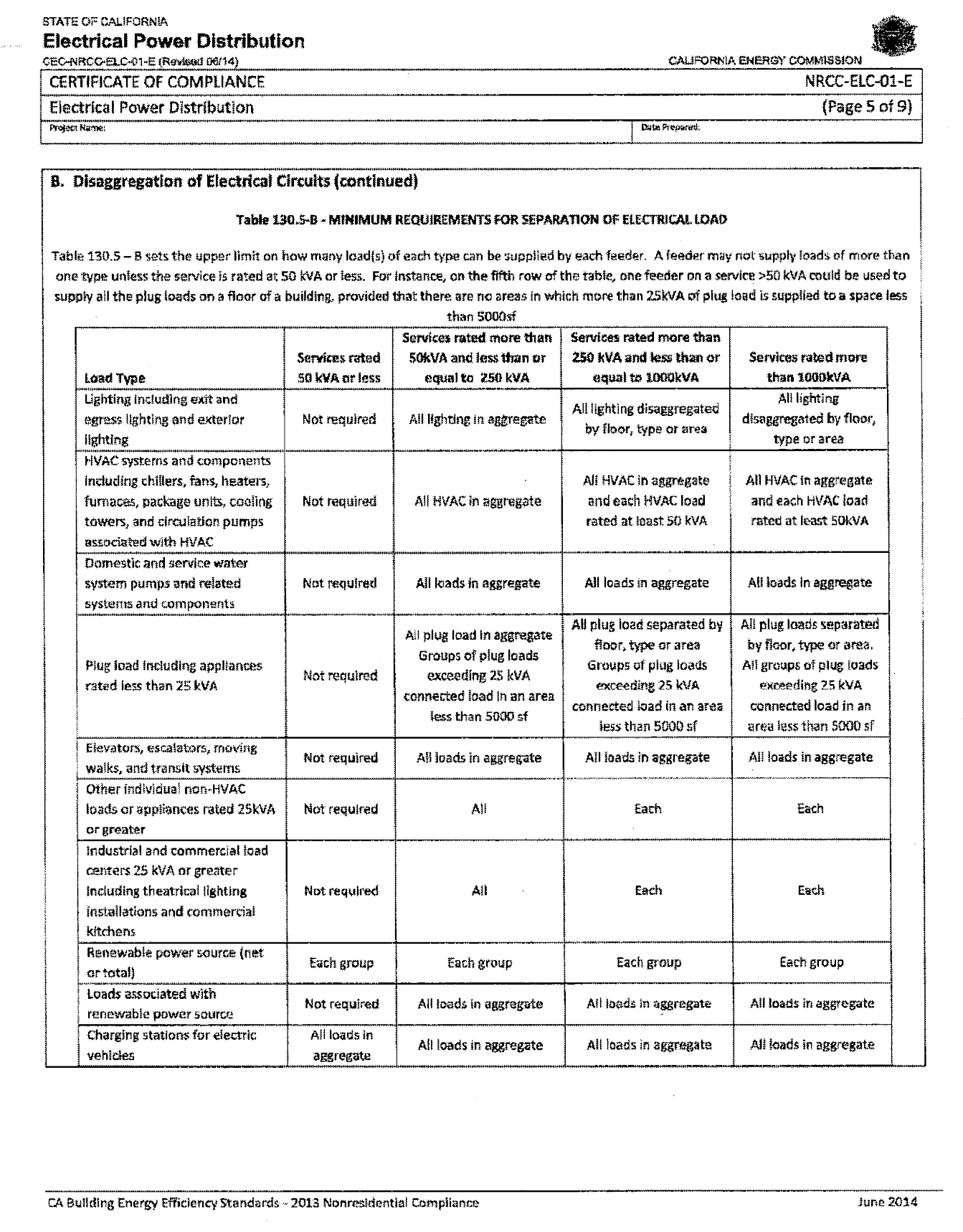
CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 4 of 9)
Project Name:	Date Prepared:

A	B	C	D	
Designation/location in building/description	Designation/location in building/description	kVA	☐	☐
IN EACH MODULE/BLDG	N/A – PER SITE DESIGN	<50	☐	☐

OR

Current transformers have been attached to individual branch circuits and loads throughout the building, and a permanent measurement system is installed that allows an equivalent degree of disaggregated measurement as required by the Standards. ☐ ☐

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance — June 2014



STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 5 of 9)
Project Name:	Date Prepared:

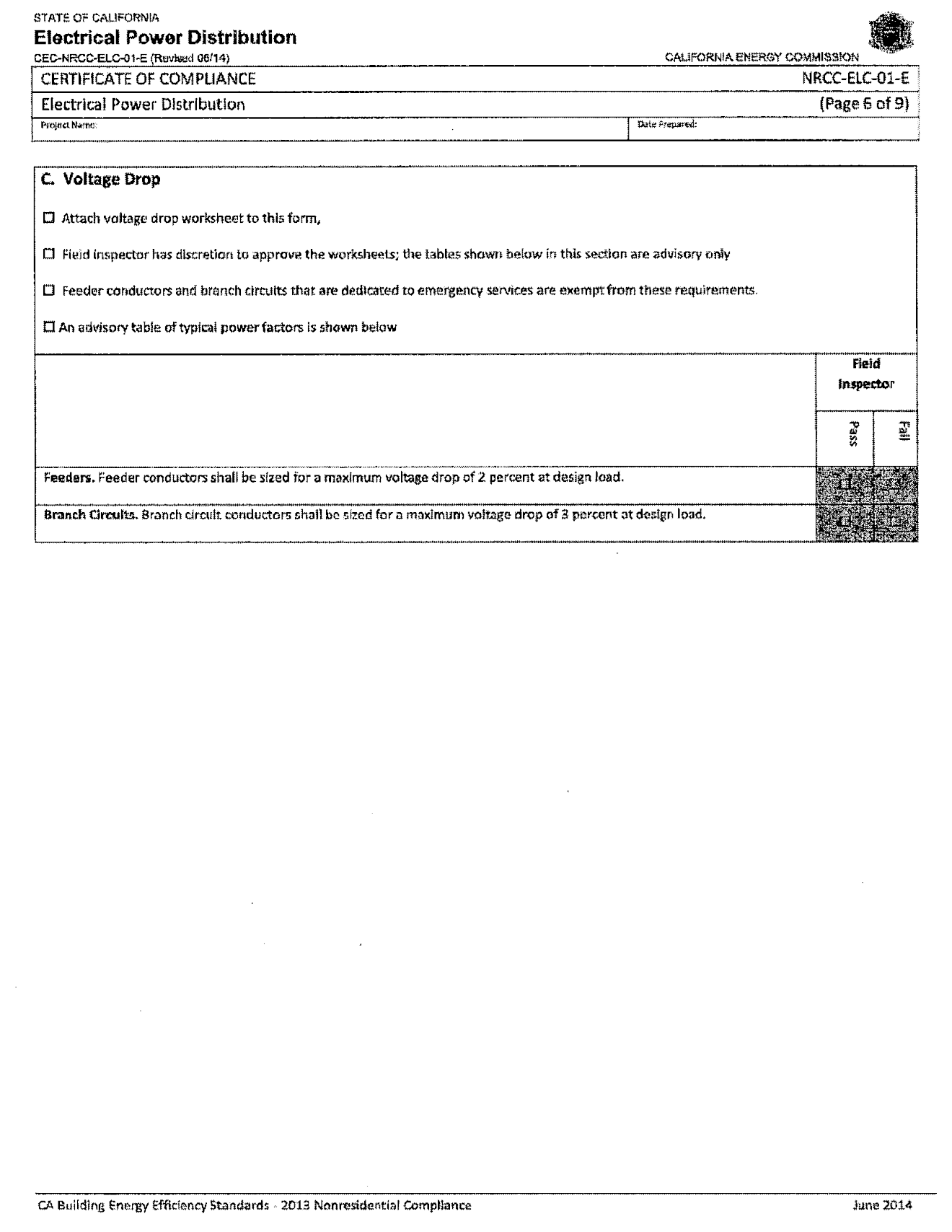
B. Disaggregation of Electrical Circuits (continued)

Table 130.5-B - MINIMUM REQUIREMENTS FOR SEPARATION OF ELECTRICAL LOAD

Table 130.5 – B sets the upper limit on how many load(s) of each type can be supplied by each feeder. A feeder may not supply loads of more than one type unless the service is rated at 50 kVA or less. For instance, on the fifth row of the table, one feeder on a service >50 kVA could be used to supply all the plug loads on a floor of a building, provided that there are no areas in which more than 25kVA of plug load is supplied to a space less than 5000sf

Load Type	Services rated 50 kVA or less	Services rated more than 50kVA and less than or equal to 250 kVA	Services rated more than 250 kVA and less than or equal to 1000kVA	Services rated more than 1000kVA
Lighting including exit and egress lighting and exterior lighting	Not required	All lighting in aggregate	All lighting disaggregated by floor, type or area	All lighting disaggregated by floor, type or area
HVAC systems and components including chillers, fans, heaters, furnaces, package units, cooling towers, and circulation pumps associated with HVAC	Not required	All HVAC in aggregate	All HVAC in aggregate and each HVAC load rated at least 50 kVA	All HVAC in aggregate and each HVAC load rated at least 50kVA
Domestic and service water system pumps and related systems and components	Not required	All loads in aggregate	All loads in aggregate	All loads in aggregate
Plug load including appliances rated less than 25 kVA	Not required	All plug load in aggregate Groups of plug loads exceeding 25 kVA connected load in an area less than 5000 sf	All plug load separated by floor, type or area Groups of plug loads exceeding 25 kVA connected load in an area less than 5000 sf	All plug loads separated by floor, type or area. All groups of plug loads exceeding 25 kVA connected load in an area less than 5000 sf
Elevators, escalators, moving walks, and transit systems	Not required	All loads in aggregate	All loads in aggregate	All loads in aggregate
Other individual non-HVAC loads or appliances rated 25kVA or greater	Not required	All	Each	Each
Industrial and commercial load centers 25 kVA or greater including theatrical lighting installations and commercial kitchens	Not required	All	Each	Each
Renewable power source (net or total)	Each group	Each group	Each group	Each group
Loads associated with renewable power source	Not required	All loads in aggregate	All loads in aggregate	All loads in aggregate
Charging stations for electric vehicles	All loads in aggregate	All loads in aggregate	All loads in aggregate	All loads in aggregate

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance — June 2014



STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 6 of 9)
Project Name:	Date Prepared:

C. Voltage Drop

☐ Attach voltage drop worksheet to this form,

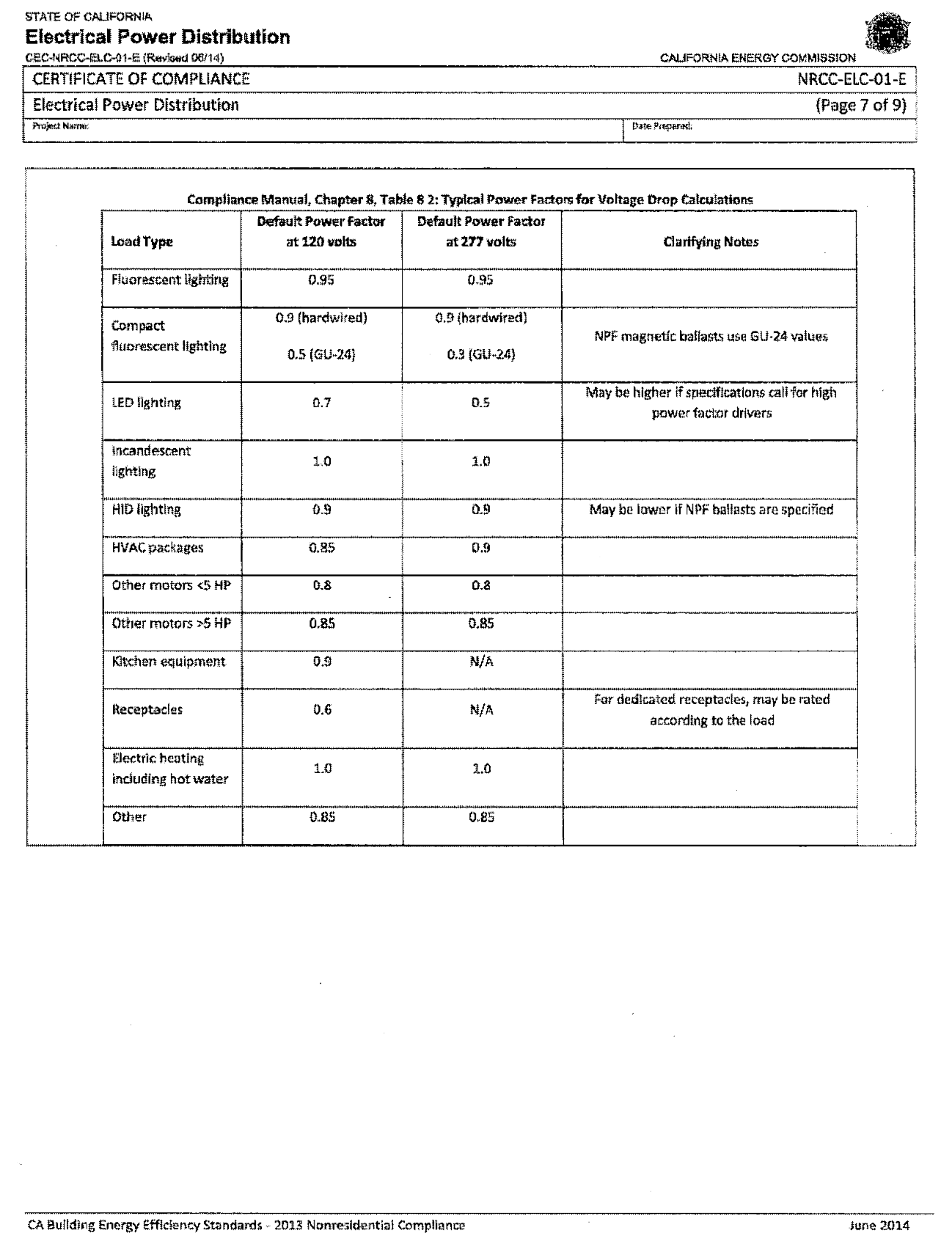
☐ Field inspector has discretion to approve the worksheets; the tables shown below in this section are advisory only

☐ Feeder conductors and branch circuits that are dedicated to emergency services are exempt from these requirements.

☐ An advisory table of typical power factors is shown below

	Field Inspector	
	Pass	Fail
Feeders. Feeder conductors shall be sized for a maximum voltage drop of 2 percent at design load.	☐	☐
Branch Circuits. Branch circuit conductors shall be sized for a maximum voltage drop of 3 percent at design load.	☐	☐

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance — June 2014



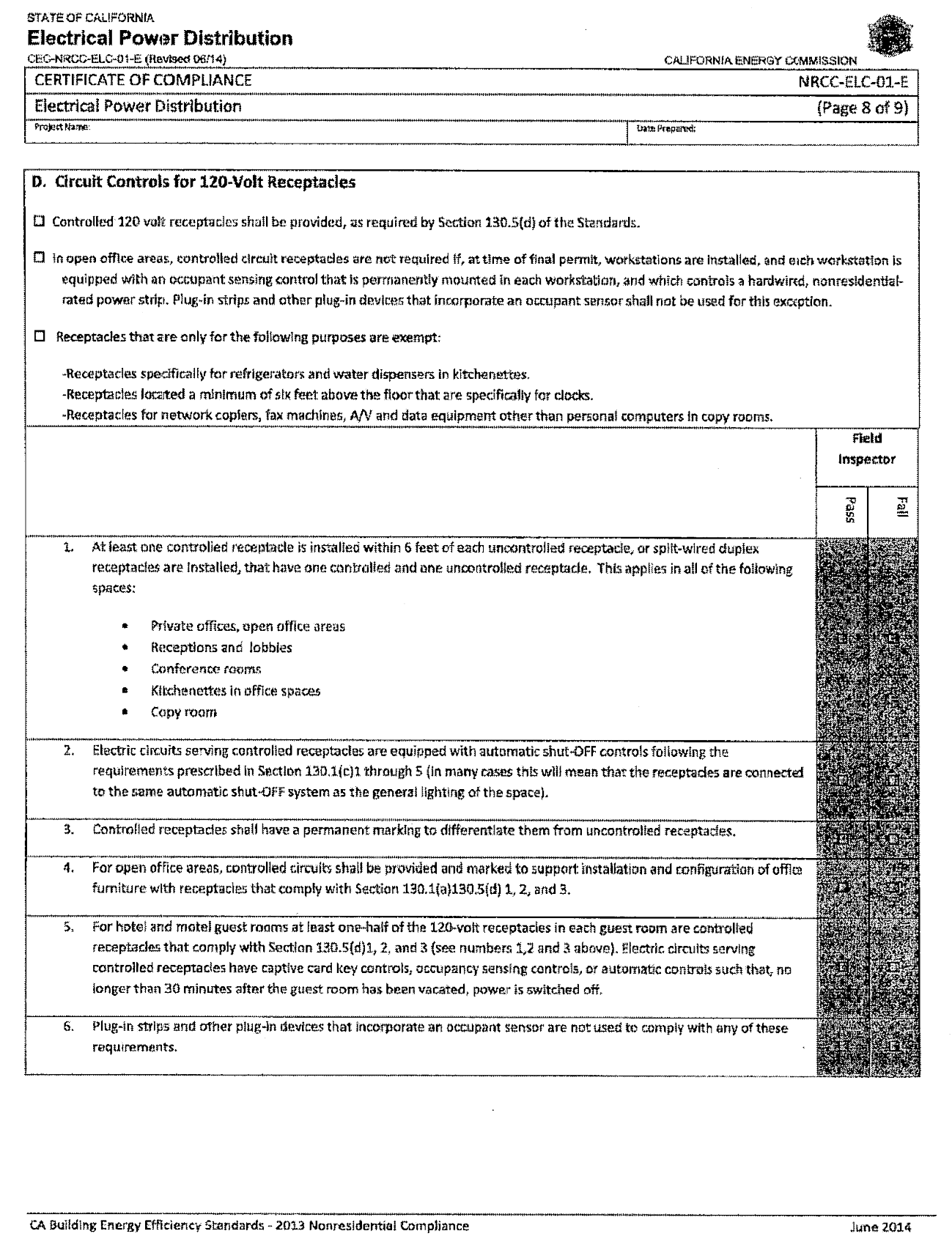
STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 7 of 9)
Project Name:	Date Prepared:

Compliance Manual, Chapter 8, Table 8 2: Typical Power Factors for Voltage Drop Calculations

Load Type	Default Power Factor at 120 volts	Default Power Factor at 277 volts	Clarifying Notes
Fluorescent lighting	0.95	0.95	
Compact fluorescent lighting	0.9 (hardwired) 0.5 (GU-24)	0.9 (hardwired) 0.3 (GU-24)	NPF magnetic ballasts use GU-24 values
LED lighting	0.7	0.5	May be higher if specifications call for high power factor drivers
Incandescent lighting	1.0	1.0	
HID lighting	0.9	0.9	May be lower if NPF ballasts are specified
HVAC packages	0.85	0.9	
Other motors <5 HP	0.8	0.8	
Other motors >5 HP	0.85	0.85	
Kitchen equipment	0.9	N/A	
Receptacles	0.6	N/A	For dedicated receptacles, may be rated according to the load
Electric heating including hot water	1.0	1.0	
Other	0.85	0.85	

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance — June 2014



STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 8 of 9)
Project Name:	Date Prepared:

D. Circuit Controls for 120-Volt Receptacles

☐ Controlled 120 volt receptacles shall be provided, as required by Section 130.5(d) of the Standards.

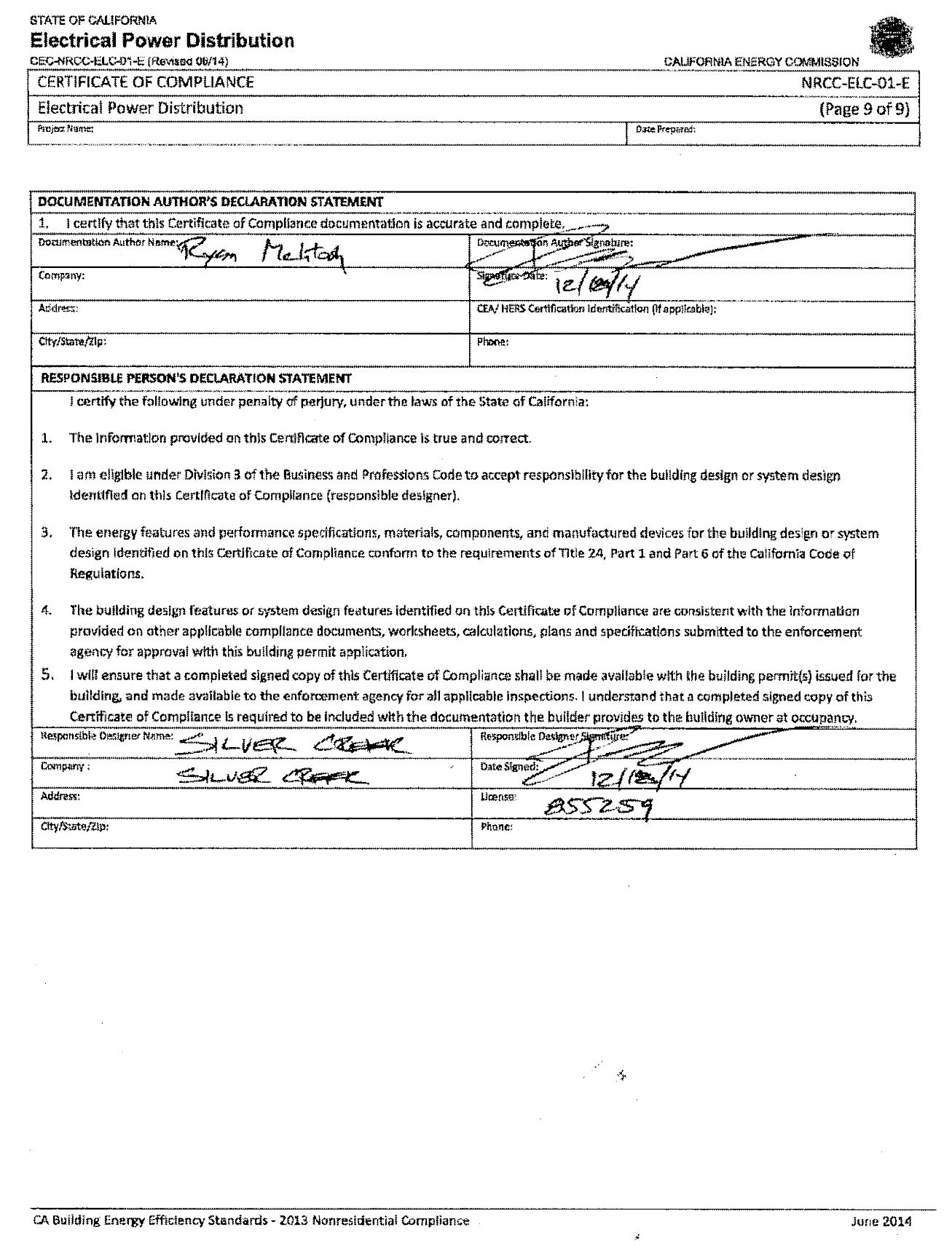
☐ In open office areas, controlled circuit receptacles are not required if, at time of final permit, workstations are installed, and each workstation is equipped with an occupant sensing control that is permanently mounted in each workstation, and which controls a hardwired, nonresidential-rated power strip. Plug-in strips and other plug-in devices that incorporate an occupant sensor shall not be used for this exception.

☐ Receptacles that are only for the following purposes are exempt:

-Receptacles specifically for refrigerators and water dispensers in kitchenettes.
-Receptacles located a minimum of six feet above the floor that are specifically for clocks.
-Receptacles for network copiers, fax machines, A/V and data equipment other than personal computers in copy rooms.

	Field Inspector	
	Pass	Fail
1. At least one controlled receptacle is installed within 6 feet of each uncontrolled receptacle, or split-wired duplex receptacles are installed, that have one controlled and one uncontrolled receptacle. This applies in all of the following spaces: • Private offices, open office areas • Receptions and lobbies • Conference rooms • Kitchenettes in office spaces • Copy room	☐	☐
2. Electric circuits serving controlled receptacles are equipped with automatic shut-OFF controls following the requirements prescribed in Section 130.1(c)1 through 5 (in many cases this will mean that the receptacles are connected to the same automatic shut-OFF system as the general lighting of the space).	☐	☐
3. Controlled receptacles shall have a permanent marking to differentiate them from uncontrolled receptacles.	☐	☐
4. For open office areas, controlled circuits shall be provided and marked to support installation and configuration of office furniture with receptacles that comply with Section 130.1(a)130.5(d) 1, 2, and 3.	☐	☐
5. For hotel and motel guest rooms at least one-half of the 120-volt receptacles in each guest room are controlled receptacles that comply with Section 130.5(d)1, 2, and 3 (see numbers 1,2 and 3 above). Electric circuits serving controlled receptacles have captive card key controls, occupancy sensing controls, or automatic controls such that, no longer than 30 minutes after the guest room has been vacated, power is switched off.	☐	☐
6. Plug-in strips and other plug-in devices that incorporate an occupant sensor are not used to comply with any of these requirements.	☐	☐

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance — June 2014



STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 06/14)
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	(Page 9 of 9)
Project Name:	Date Prepared:

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ryan McIntosh	Documentation Author Signature:
Company:	Signature Date: 12/18/14
Address:	CEA/ HERS Certification Identification (If applicable):
City/State/Zip:	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: SILVER CREEK	Responsible Designer Signature:
Company: SILVER CREEK	Date Signed: 12/18/14
Address:	License: 855259
City/State/Zip:	Phone:

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance — June 2014

Lydia Barron

Digitally signed by Lydia Barron [illegible]

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

SHEET TITLE:

ENERGY COMPLIANCE FORMS

C-33467
REN 01-31-2015

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
AC — FLS SS RAF
DATE JUL - 8 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-16-2015

P.C. SHEET NUMBER
A-0.5B

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-01-E

Project Name: 12x40 Classroom **Calculation Date/Time:** 08:54, Thu, Feb 12, 2015 Page 1 of 6

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC **Input File Name:** PC 12x40 WD RF ALL.cibd

A. GENERAL INFORMATION

01	**Project Address**	NFROST CASH - 2008 C 14	21	**Compliance Software**	EnergyPro 5.1 (5.1a (RW))
02	**City**	Lovelly	22	**Compliance Manager Version**	BEMCmpMgr 2013.3.0a (RW)
03	**Zip code**		23	**Role Set Filename**	CA 2013 Nonresidential, Vers. 2.0 (CEC-2013-NonRes.bin)
04	**Climate Zone**	ClimateZone14	24	**Building Type**	Nonresidential
05	**Building Front Orientation**	0	25	**Construction Type**	
06	**Number of Above Grade Stories**	1	26	**North Wall Area (ft2)**	138
07	**Number of Below Grade Stories**	0	27	**East Wall Area (ft2)**	471
08	**Number of Dwelling Units**	0	28	**South Wall Area (ft2)**	147
09	**Total Conditioned Floor Area (ft2)**	480	29	**West Wall Area (ft2)**	470
10	**Total Unconditioned Floor Area (ft2)**		30	**Total Exterior Wall Area (ft2)**	1,226
11	**Addition Conditioned Floor Area (ft2)**		31	**North Glazing Area (ft2) / Glazing Ratio**	0 / 0%
12	**Addition Unconditioned Floor Area(ft2)**		32	**East Glazing Area (ft2) / Glazing Ratio**	92 / 7%
13	**Number of Thermal Zones**	1	33	**South Glazing Area (ft2) / Glazing Ratio**	0 / 0%
14	**Number of Thermal Zones (conditioned)**	1	34	**West Glazing Area (ft2) / Glazing Ratio**	0 / 0%
15	**Number of Air Systems**	1	35	**Total Glazing Area (ft2) /Glazing Ratio**	92 / 3%
16	**Number of Zonal Systems**	0	36	**Roof Area (ft2)**	480
17	**Number of Terminal Units**	0	37	**Skylight Area (ft2) / Skylight/Roof Ratio**	0 / 0%
18			38		
19			39		
20			40		

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-01-E

Project Name: 12x40 Classroom **Calculation Date/Time:** 08:54, Thu, Feb 12, 2015 Page 2 of 6

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC **Input File Name:** PC 12x40 WD RF ALL.cibd

B. COMPLIANCE RESULTS

01	**BUILDING COMPLIES**			
02	**Special Features are Required - TBD**			
03	**HERS Verification is Required - TBD**			
	ANNUAL TDV ENERGY USE SUMMARY (kBtu/ft2/yr)			
	04	05	06	07
Energy Component	**Standard Design**	**Proposed Design**	**Compliance Margin**	**Percent Better than Standard**
Space Heating	99.7	93.3	6.4	6.4%
Space Cooling	230.6	226.1	4.6	2.0%
Indoor Fans	164.6	167.3	-2.7	-1.6%
Heat Rejection	--	--	--	--
Pumps & Misc.	--	--	--	--
Domestic Hot Water	--	--	--	--
Lighting	69.5	19.2	50.3	72.3%
COMPLIANCE TOTAL	529.3	471.2	54.1	10.2%
Receptacle	99.6	99.6		0.0%
Process	--	--		--
Process Lighting	--	--		--
TOTAL	593.1	537.8		9.2%

C. OCCUPANCY SUMMARY INFORMATION

01	02	03	04	05	06	07	08
				Allowed (Baseline) Lighting Power			
				Additional Qualifying Allowances			
Occupancy Type	**Floor Area (ft2)**	**Installed Lighting Power (Watts)**	**Lighting Control Credits (Watts)**	**General Lighting Power Allowance (Watts)**	**Area Category (Watts)**	**Tailored Method (Watts)**	**Total Allowed Lighting Power (Watts)**
Classrooms, Lecture, Training, Vocational Areas	480	972	93	579			579

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-01-E

Project Name: 12x40 Classroom **Calculation Date/Time:** 08:54, Thu, Feb 12, 2015 Page 3 of 6

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC **Input File Name:** PC 12x40 WD RF ALL.cibd

D. ENVELOPE SUMMARY INFORMATION

01	02	03	04	05	06	07	08
				Assembly Layers			
Surface Name	**Surface Type**	**U-Factor / F-Factor / C-Factor**		**Framing Type**	**Framing Spacing**	**Rvalue**	**Certified Cool Roof**
W1 - WD 27'3" x 9'-0"	Exterior Wall	0.059	Wood Siding - 1/2 in. Water Barrier - plastic film - 5 Mil Gypsum Board - 5/8 in. Adjacent Insulation - 3 in. Adjacent Framing	Wood	Wall 16 in.	Wall 16 in. R-15.0 Cavity R-0.0 Sheathing R-0.0 Gypsum R-15.0 Total	
R-Ins_Flat_20.5x9.5x3.25 - R20	Roof	0.029	Metal Roofing Panel - 1/16 in. Roofing Paper - 1/16 in. Plywood - 3/4 in. Composite Framing Air Cavity - Wall Roof Ceiling - 4 in. or more Acoustic Tile - 5/8 in.	Metal	Roof/Ceiling 24 in.	Roof/Ceiling 24 in. R-0.22 R-19.0 Cavity R-0.0 Sheathing R-0.36 Gypsum R-19.6 Total	
W2 FLOOR - W12	Exterior Floor	0.077	Air - Cavity - Wall Roof Ceiling - 4 in. or more Composite Framing Plywood - 1/2 in. Carpet - 3/4 in.	Metal	Floor/Ceiling 24 in.	Floor/Ceiling 24 in. R-0.92 R-19 Cavity R-0.23 R-0.36	

E. PENETRATION SUMMARY INFORMATION

01	02	03	04	05	06	07	08
		Certification					
Name	**Penetration Type**	**Method**	**Assembly Method**	**Frame Type**	**U-value**	**SHGC**	**VT**
SG - WD 6010 - GLASS - 1897 / CLR	Skylight	NFRC Rated	Manufactured	- specify -	0.59	0.55	0.63

F. MECHANICAL SYSTEM SUMMARY INFORMATION

01	02	03	04				05					06				
			Cooling				Heating									
Equipment Name	**Equipment Type**	**Qty**	**Type**	**SEER**	**EER**	**Rated Output kBtu/h**	**Type**	**AFUE**	**HSPF**	**Thermal Eff.**	**Rated Output kBtu/h**	**Supplemental Heating Source**	**Supplemental Rated Output kBtu/h**
AirSystem 1	EZHP	1	Ducted Heat Pumps	14.5	12.7	20	HeatPump				23.6		

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-01-E

Project Name: 12x40 Classroom **Calculation Date/Time:** 08:54, Thu, Feb 12, 2015 Page 4 of 6

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC **Input File Name:** PC 12x40 WD RF ALL.cibd

F. MECHANICAL SYSTEM CONDENSER AND FAN SUMMARY INFORMATION

01	02	03	04				05			
			Outside Air	Supply Fan			Return Fan			
Equipment Name	**Equipment Type**	**CFM**	**CFM**	**HP**	**BHP**	**Control**	**CFM**	**HP**	**BHP**	**Control**
AirSystem 1	PVAC Gas Heat	800	720.00	0.75	0.73	Constant Volume				

H. CHILLER SUMMARY INFORMATION

Not Applicable

I. COOLING TOWER SUMMARY INFORMATION

Not Applicable

J. BOILER SUMMARY INFORMATION

Not Applicable

K. CENTRAL MECHANICAL SYSTEM - PUMP SUMMARY INFORMATION

Not Applicable

L. TERMINAL UNIT SUMMARY INFORMATION

Not Applicable

L-1. ZONAL SYSTEM SUMMARY INFORMATION

Not Applicable

M-1. DHW SUMMARY INFORMATION: PLUMBING SYSTEMS

Not Applicable

M-2. DHW SUMMARY INFORMATION: RECIRCULATION DHW SYSTEMS

Not Applicable

N. EXCEPTIONAL CONDITIONS COMPLIANCE CHECKLIST

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-01-E

Project Name: 12x40 Classroom **Calculation Date/Time:** 08:54, Thu, Feb 12, 2015 Page 5 of 6

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC **Input File Name:** PC 12x40 WD RF ALL.cibd

Not Applicable.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-01-E

Project Name: 12x40 Classroom **Calculation Date/Time:** 08:54, Thu, Feb 12, 2015 Page 6 of 6

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC **Input File Name:** PC 12x40 WD RF ALL.cibd

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name Bank Mortensen	Documentation Author Signature:
Company: SCH CREEK	Signature Date:
Address: 2830 Barrett Ave - Perris CA 92571	CEA/HERS Certification (if applicable):
City/State/Zip:	Phone: 951-943-5393

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify that the following checked statement(s) is/are true to the best of my knowledge:

1. I am a licensed professional engineer or licensed architect and I am the person responsible for the design of the mechanical systems for this project.
2. I am a licensed professional engineer or licensed architect and I am the person responsible for the design of the lighting systems for this project.
3. I am a licensed professional engineer or licensed architect and I am the person responsible for the design of the electrical power systems for this project.
4. I am a licensed professional engineer or licensed architect and I am the person responsible for the design of the service water heating systems for this project.
5. I am a licensed professional engineer or licensed architect and I am the person responsible for the design of the envelope systems for this project.
6. I am a licensed professional engineer or licensed architect and I am the person responsible for the design of the energy compliance for this project.
7. I am a licensed professional engineer or licensed architect and I am the person responsible for the design of the photovoltaic systems for this project.
8. I am a licensed professional engineer or licensed architect and I am the person responsible for the design of the solar water heating systems for this project.
9. I am a licensed professional engineer or licensed architect and I am the person responsible for the design of the indoor lighting systems for this project.
10. I am a licensed professional engineer or licensed architect and I am the person responsible for the design of the outdoor lighting systems for this project.
11. I am a licensed professional engineer or licensed architect and I am the person responsible for the design of the special purpose lighting systems for this project.
12. I am a licensed professional engineer or licensed architect and I am the person responsible for the design of the area lighting systems for this project.
13. None of the above

I am licensed under Division 3 of the Business and Professions Code to sign this document because it pertains to a structure or type of work described as exempt pursuant to Business and Professions Code Sections 5537, 5538 and 6737.1.

Building Owner's Name SILVER CREEK	Building Owner's Signature:
Address: 2830 Barrett Ave - Perris CA 92571	Date Signed:
City/State/Zip:	Phone: 951-943-5393
Responsible Designer Name SILVER CREEK	Responsible Designer Signature:
Company: SILVER CREEK	Date Signed:
Address: 2830 Barrett Ave - Perris CA 92571	License:
City/State/Zip:	Phone: 951-943-5393
Responsible Lighting Designer Name SILVER CREEK	Responsible Lighting Designer Signature:
Company: SILVER CREEK	Date Signed:
Address: 2830 Barrett Ave - Perris CA 92571	License:
City/State/Zip:	Phone: 951-943-5393
Responsible Mechanical Designer Name SILVER CREEK	Responsible Mechanical Designer Signature:
Company: SILVER CREEK	Date Signed:
Address: 2830 Barrett Ave - Perris CA 92571	License:
City/State/Zip:	Phone: 951-943-5393

Lydia Barron

Digitally signed by Lydia Barron
DN: st=California, l=Sacramento, o=California Department of General Services, ou=Division of the State Architect, ou=www.verisign.com/repository/CPS Incorp. by Ref.,LIABILITY LTD(c)99, title=Architectural Associate, cn=Lydia Barron, cn=ail=lydia.barron@dgs.ca.gov
Date: 2015.06.30 09:53:48 -07'00'

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

PALOMAR COLLEGE EDUCATION CTR
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:

ENERGY CALC'S
PRF FORMS ZONE 14
WORST CASE

LICENSED ARCHITECT
C-33467
REN 01-31-2015
STATE OF CALIFORNIA

ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
1.4.5 DSA-AC (OSHPD 3) DOCUMENT
FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
AC — ELS — SS RAC
DATE JUL - 8 2015

REVISIONS

1	
2	
3	
4	
5	
6	
7	
8	

SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-16-2015

P.C. SHEET NUMBER

A-0.5C

A. GENERAL INFORMATION

01	Project Address	WORST CASE - ZONE 15	21	Compliance Software	EnergyPro 5.1 (Build 5100.1)
02	City	<specify>	22	Compliance Manager Version	EnergyPro 5.1 (Build 5100.1)
03	Zip code		23	Rule Set Filename	CA 2013 Nonresidential, Ver. 2.0 (CEC 2013 Rev.Dec 2014)
04	Climate Zone	Climate Zone 15	24	Building Type	Nonresidential
05	Building Front Orientation	90	25	Construction Type	New
06	Number of Above Grade Stories	1	25	North Wall Area (ft2)	615
07	Number of Below Grade Stories	0	27	East Wall Area (ft2)	728
08	Number of Dwelling Units	0	28	South Wall Area (ft2)	475
09	Total Conditioned Floor Area (ft2)	480	29	West Wall Area (ft2)	747
10	Total Unconditioned Floor Area (ft2)		30	Total Exterior Wall Area (ft2)	2,565
11	Addition Conditioned Floor Area (ft2)		31	North Glazing Area (ft2) / Glazing Ratio	0 / 0%
12	Addition Unconditioned Floor Area(ft2)		32	East Glazing Area (ft2) / Glazing Ratio	0 / 0%
13	Number of Thermal Zones	1	33	South Glazing Area (ft2) / Glazing Ratio	57 / 7%
14	Number of Thermal Zones (conditioned)	1	34	West Glazing Area (ft2) / Glazing Ratio	0 / 0%
15	Number of Air Systems	1	35	Total Glazing Area (ft2) / Glazing Ratio	57 / 3%
16	Number of Zonal Systems	0	36	Roof Area (ft2)	480
17	Number of Terminal Units	0	37	Skylight Area (ft2) / Skylight-Roof Ratio	0 / 0%
18			38		
19			39		
20			40		

B. COMPLIANCE RESULTS

01	BUILDING COMPLIES
02	Special Features are Required: TBD
03	HERS Verification is Required: TBD

ANNUAL TDV ENERGY USE SUMMARY (kBtu/ft2yr):

Energy Component	04 Standard Design	05 Proposed Design	06 Compliance Margin	07 Percent Better than Standard
Space Heating	32.4	28.3	4.1	12.6%
Space Cooling	297.8	285.3	12.5	4.2%
Indoor Fans	150.4	165.8	-15.2	-9.8%
Heat Rejection	--	--	--	--
Pumps & Misc.	--	--	--	--
Domestic Hot Water	--	--	--	--
Lighting	60.8	29.4	31.3	51.5%
COMPLIANCE TOTAL	547.2	502.8	44.4	8.1%
Receptacle	68.6	68.6	--	0.0%
Process	--	--	--	--
Process Lighting	--	--	--	--
TOTAL	615.8	569.4		7.5%

C. OCCUPANCY SUMMARY INFORMATION -

01	02	03	04	05	06	07	08
				Allowed (Baseline) Lighting Power Additional (Custom) Allowances			
Occupancy Type	Floor Area	Installed Lighting Power	Lighting Control Credits	General Lighting Power Allowance	Area Category	Tailored Method	Total Allowed Lighting Power
	(ft2)	(Watts)	(Watts)	(Watts)	(Watts)	(Watts)	(Watts)
Classrooms, Lecture, Training, Vocational Areas	480	372	93	675			675

D. ENVELOPE SUMMARY INFORMATION

01	02	03	04	05	06	07	08
Surface Name	Surface Type	U-Factor / F-Factor / C-Factor	Assembly Layers	Framing Type	Framing Spacing	Reveal	Comment Cool Roof
T11 - WO 9 TO - R19	Exterior Wall	U-0.06	Plywood Siding - 1/2 in. Gypsum Board - 5/8 in. Composite Framing Gypsum Board - 5/8 in. Acoustic Tile - 7/8 in.	Wood	Wall Framing	R-2.5 R-19 Cavity R-19 Cavity R-0.45 R-1.20	
STANDING BEAM ROOF - R30	Roof	U-0.05	Metal Standing Seam - 1/16 in. Building Paper - 1/16 in. Gypsum Board - 5/8 in. Composite Framing R-0 Cavity - Wall Roof Ceiling - 4 in. or more Acoustic Tile - 1/2 in	Metal	Roof Framing	R-0 R-0.64 R-30 Cavity R-0.92 R-1.26	
WO FLOOR - R19	Exterior Floor	U-0.07	Air - Cavity - Wall Roof Ceiling - 4 in. or more Composite Framing Plywood - 1 in. Carpet - 3/4 in.	Metal	Floor Framing	R-0.92 R-19 Cavity R-1.00 R-0.96	

E. PENETRATION SUMMARY INFORMATION

01	02	03	04	05	06	07	08
Name	Fenestration Type	Certification Method	Assembly Method	Frame Type	U-value	SHGC	VT
DO1 - WC 6070 - SLIDER - 3860 / CLR	Sliding	NFRC Rated	Manufactured	<specify>	0.51	0.26	0.43

F. MECHANICAL SYSTEM SUMMARY INFORMATION

01	02	03	04				05					06
			Cooling				Heating					
Equipment Name	Equipment Type	Qty	Type	SEER	EER	Rated Output kBtuh	Type	AFUE	HSPF	Thermal Eff.	Rated Output kBtuh	Supplemental Heat Source	Supplemental Rated Output kBtuh
AirSystem 1	SZHP	1	Electric permane	14.5	12.0	35	Heat Pump				33.5		

G. MECHANICAL SYSTEM VENTILATION AIRFLOW INFORMATION

01	02	03	04				05			
		Outside Air	Supply Fan				Return Fan			
Equipment Name	Economizer Type	CFM	CFM	HP	BHP	Control	CFM	HP	BHP	Control
AirSystem 1	NoEconomizer	360	1200	0.75	0.73	Constant Volume				

H. CHILLER SUMMARY INFORMATION

Not Applicable

I. COOLING TOWER SUMMARY INFORMATION

Not Applicable

J. BOILER SUMMARY INFORMATION

Not Applicable

K. CENTRAL MECHANICAL SYSTEM - PUMP SUMMARY INFORMATION

Not Applicable

L. TERMINAL UNIT SUMMARY INFORMATION

Not Applicable

L1. ZONAL SYSTEM SUMMARY INFORMATION

Not Applicable

M1. DHW SUMMARY INFORMATION FLUID SYSTEMS

Not Applicable

M2. DHW SUMMARY INFORMATION RECIRCULATION DHW SYSTEMS

Not Applicable

N. EXCEPTIONAL CONDITIONS COMPLIANCE CHECKLIST

Not Applicable.

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ryan Schmidt	Documentation Author Signature:
Company: SILVER CREEK	Signature Date:
Address: 2830 Barrett Ave. Perris CA 92571	CEA Identification (if applicable):
City/State/Zip:	Phone: 951-943-5393

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify by the following under penalty of perjury, under the laws of the State of California:

1. I am the person responsible for this submittal of compliance documents and that I am licensed in the State of California as a civil engineer, mechanical engineer, electrical engineer, or I am a licensed architect.
2. I prepared the plans and/or specifications under the provisions of Division 3 of the Business and Professions Code and I am the person responsible for the preparation of the plans and specifications that comply with the applicable requirements of Title 24, Part 1 and Part 6.
3. I am not employed by the building department that is responsible for issuing a building permit for the building that is the subject of this compliance document.
4. I affirm that I am an engineer and/or Division 3 of the Business and Professions Code is applicable to me, I prepared or supervised the preparation of the plans and specifications for the building that is the subject of this compliance document and the plans and specifications fully conform to the requirements of Chapters 2 and 3 of the California Building Code and Sections 5537, 5538 and 6737.1.
5. I affirm that I am an engineer and/or Division 3 of the Business and Professions Code is applicable to me, I prepared or supervised the preparation of the plans and specifications for the building that is the subject of this compliance document and the plans and specifications fully conform to the requirements of Chapters 2 and 3 of the California Building Code and Sections 5537, 5538 and 6737.1.
6. I affirm that I am an engineer and/or Division 3 of the Business and Professions Code is applicable to me, I prepared or supervised the preparation of the plans and specifications for the building that is the subject of this compliance document because it pertains to a structure or type of work enclosed in one-hour pursuant to Business and Professions Code Sections 5537, 5538 and 6737.1.

Business Owner's Name: DAVID CREEK	Business Owner's Signature:
Address: 2830 Barrett Ave. Perris CA 92571	Date Signed:
City/State/Zip:	Phone: 951-943-5393
Responsible Designer Name: DAVID CREEK	Responsible Designer Signature:
Company: SILVER CREEK	Date Signed:
Address: 2830 Barrett Ave. Perris CA 92571	License:
City/State/Zip:	Phone: 951-943-5393
Responsible Lighting Designer Name: DAVID CREEK	Responsible Lighting Designer Signature:
Company: SILVER CREEK	Date Signed:
Address: 2830 Barrett Ave. Perris CA 92571	License:
City/State/Zip:	Phone: 951-943-5393
Responsible Mechanical Designer Name: DAVID CREEK	Responsible Mechanical Designer Signature:
Company: SILVER CREEK	Date Signed:
Address: 2830 Barrett Ave. Perris CA 92571	License:
City/State/Zip:	Phone: 951-943-5393

Lydia Barron

Digitally signed by Lydia Barron
DN: c=California, l=Sacramento, o=California Department of General Services, ou=Division of the State Architect, cn=www.verisign.com/repository/CPS Incorp. by Ref.:LIABILITY LTD.(c)96, title=Architectural Associate, cn=Lydia Barron, email=lydia.barron@dgs.ca.gov
Date: 2015.06.30 09:36:24 -07'00'

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

PALOMAR COLLEGE EDUCATION CTR
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:

ENERGY CALC'S
PRF FORMS ZONE 15
WORST CASE

LICENSED ARCHITECT
C-33467
REN 01-31-2015
STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
DSA, SS, OSHPD
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
AC. — FLS. — SS. RAF
DATE JUL - 8 2015

REVISIONS

1	
2	
3	
4	
5	
6	
7	
8	

SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-16-2015

P.C. SHEET NUMBER

A-0.5D

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-01-E

Project Name: 12x40 Classroom **Calculation Date/Time:** 09:09, Thu, Feb 12, 2015 Page 1 of 6

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC **Input File Name:** PC-12x40-WD-RF-ALL.cbd

A. GENERAL INFORMATION:					
01	**Project Address**	DAYOFF CARE - ZONE 16	21	**Compliance Software**	IGM ISC-Gen (2013.3a.1907)
02	**City**	Agoura	22	**Compliance Manager Version**	IBEMCmpMgr 2013.3a.1907
03	**Zip code**		23	**Ruleset Filename**	CA-2013 Nonresidential Vers 2.0 (DEC 2013 Rulesets).ibm
04	**Climate Zone**	ClimateZone 6	24	**Building Type**	Nonresidential
05	**Building Front Orientation**	0	25	**Construction Type**	
06	**Number of Above Grade Stories**	1	26	**North Wall Area (ft2)**	475
07	**Number of Below Grade Stories**	0	27	**East Wall Area (ft2)**	747
08	**Number of Dwelling Units**	0	28	**South Wall Area (ft2)**	475
09	**Total Conditioned Floor Area (ft2)**	480	29	**West Wall Area (ft2)**	747
10	**Total Unconditioned Floor Area (ft2)**		30	**Total Exterior Wall Area (ft2)**	2,330
11	**Addition Conditioned Floor Area (ft2)**		31	**North Glazing Area (ft2) / Glazing Ratio**	30 / 7%
12	**Addition Unconditioned Floor Area(ft2)**		32	**East Glazing Area (ft2) / Glazing Ratio**	0 / 0%
13	**Number of Thermal Zones**	1	33	**South Glazing Area (ft2) / Glazing Ratio**	0 / 0%
14	**Number of Thermal Zones (conditioned)**	1	34	**West Glazing Area (ft2) / Glazing Ratio**	0 / 0%
15	**Number of Air Systems**	1	35	**Total Glazing Area (ft2) /Glazing Ratio**	30 / 3%
16	**Number of Zonal Systems**	0	36	**Roof Area (ft2)**	480
17	**Number of Terminal Units**	0	37	**Skylight Area (ft2) / Skylight/Roof Ratio**	0 / 0%
18			38		
19			39		
20			40		

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-01-E

Project Name: 12x40 Classroom **Calculation Date/Time:** 09:09, Thu, Feb 12, 2015 Page 2 of 6

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC **Input File Name:** PC-12x40-WD-RF-ALL.cbd

B. COMPLIANCE RESULTS			
01	**BUILDING COMPLIES**		
02	**Special Features are Required: TBD**		
03	**HERS Verification is Required - TBD**		
	ANNUAL TDV ENERGY USE SUMMARY (kBtu/ft2/yr)		
	04	05	06	07
Energy Component	**Standard Design**	**Proposed Design**	**Compliance Margin**	**Percent Better than Standard**
Space Heating	39.0	20.3	18.7	47.9%
Space Cooling	103.1	103.5	-0.4	-0.3%
Indoor Fans	17.8	18.0	-0.1	-0.7%
Heat Rejection	--	--	--	--
Pumps & Misc.	--	--	--	--
Domestic Hot Water	--	--	--	--
Lighting	40.4	39.4	1.1	2.5%
COMPLIANCE TOTAL	200.2	183.2	19.3	9.6%
Receptacle	69.9	69.9	0.0	0.0%
Process	--	--	--	--
Process Lighting	--	--	--	--
TOTAL	269.1	253.1	19.3	7.2%

C. OCCUPANCY SUMMARY INFORMATION: -							
01	02	03	04	05	06	07	08
				Allowed (Baseline) Lighting Power			
				Additional (Custom) Allowances			
Occupancy Type	**Floor Area (ft2)**	**Installed Lighting Power (Watts)**	**Lighting Control Credits (Watts)**	**General Lighting Power Allowances (Watts)**	**Area Category (Watts)**	**Tailored Method (Watts)**	**Total Allowed Lighting Power (Watts)**
Classrooms, Lecture, Training, Vocational Areas	480	372	93	376			376

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-01-E

Project Name: 12x40 Classroom **Calculation Date/Time:** 09:09, Thu, Feb 12, 2015 Page 3 of 6

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC **Input File Name:** PC-12x40-WD-RF-ALL.cbd

D. ENVELOPE SUMMARY INFORMATION:							
01	02	03	04	05	06	07	08
				Assembly Layers			
Surface Name	**Surface Type**	**U-Factor / F-Factor / C-Factor**	**Assembly Layers**	**Framing Type**	**Framing Spacing**	**R-value**	**Combined Cool Roof**
111	WALL	EXTERIOR	U-0.06	Wood siding - 1/2 in. Vapor wrap - plastic film - 1.96 in Composite Framing Batt - Cavity - Wall Acoustic Tile - 1/2 in.	Wood	Wall[Stock]	R-2.8 R-0.01 R-19 Cavity R-4.95 R-1.06	
STANDING SEAM ROOF - R20	Roof		U-0.00	Metal - Standing Seam - 5/16 in. Building Paper - 5/16 in Plywood - 3/4 in Composite Framing Air - Cavity - Wall Roof Ceiling - 4 in. or more Acoustic Tile - 1/2 in.	Metal	Roof[Stock]	R-0 R-0.03 R-0.94 R-30 Cavity R-1.25 R-1.26	
147	FLOOR	EXTERIOR	U-0.07	Air - Cavity - Wall Roof Ceiling - 4 in. or more Composite Framing Deck - Wall Floor Ceiling - 4 in. or more Carpet - 3/4 in	Metal	Floor[Stock]	R-0.42 R-19 Cavity R-1.25 R-2.18	

E. PENETRATION SUMMARY INFORMATION							
01	02	03	04	05	06	07	08
Name	**Fenestration Type**	**Certification Method**	**Assembly Method**	**Frame Type**	**U-value**	**SHGC**	**VT**
DOOR - HM, 6000 - SLIDER - 9080 / CLR	Sliding	NFRC Rated	Manufactured	- Specify -	0.81	0.36	0.81

F. MECHANICAL SYSTEM SUMMARY INFORMATION												
01	02	03	04				05					
			Cooling				Heating					
Equipment Name	**Equipment Type**	**Qty**	**Type**	**SEER**	**EER**	**Rated Output kBtuh**	**Type**	**AFUE**	**HSPF**	**Thermal Eff.**	**Rated Output kBtuh**	**Supplemental Heat Source**
AHSystem 1	SCHP	1	Direct Expansion	14.0	12.0	35	HeatPump				10.0	

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-01-E

Project Name: 12x40 Classroom **Calculation Date/Time:** 09:09, Thu, Feb 12, 2015 Page 4 of 6

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC **Input File Name:** PC-12x40-WD-RF-ALL.cbd

G. SYSTEM AIR TERMINAL UNIT SUMMARY INFORMATION										
01	02	03				04				
		Outside Air	Supply Fan			Return Fan				
Equipment Name	**Equipment Type**	**CFM**	**CFM**	**HP**	**BHP**	**Control**	**CFM**	**HP**	**BHP**	**Control**
AHSystem 1	Sole Use Floor	200	1,200.0	2.75	1.9 hp	Constant Volume				

H. CHILLER SUMMARY INFORMATION
Not Applicable

I. ECON. NO TOWER SUMMARY INFORMATION
Not Applicable

J. BOILER SUMMARY INFORMATION
Not Applicable

K. CENTRAL MECHANICAL SYSTEM - PUMP SUMMARY INFORMATION
Not Applicable

L. TERMINAL UNIT SUMMARY INFORMATION
Not Applicable

M. ZONAL SYSTEMS SUMMARY INFORMATION
Not Applicable

M1. DHW SUMMARY INFORMATION: PLUMBING SYSTEMS
Not Applicable

M2. DHW SUMMARY INFORMATION: RECIRCULATION, DHW SYSTEMS
Not Applicable

N. EXCEPTIONAL CONDITIONS COMPLIANCE CHECKLIST

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-01-E

Project Name: 12x40 Classroom **Calculation Date/Time:** 09:09, Thu, Feb 12, 2015 Page 5 of 6

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC **Input File Name:** PC-12x40-WD-RF-ALL.cbd

Not Applicable.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-01-E

Project Name: 12x40 Classroom **Calculation Date/Time:** 09:09, Thu, Feb 12, 2015 Page 6 of 6

Compliance Scope: New Complete Building including Envelope, Lighting and HVAC **Input File Name:** PC-12x40-WD-RF-ALL.cbd

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT	
I - certify that this Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name: Ryan Mahdavi	Documentation Author Signature:
Company: DAVIS ENERGY	Signature Date:
Address: 2620 Barrett Ave - Perris CA 92571	CEA/HERS certification (if applicable):
City/State/Zip:	Phone: 951-940-9101

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California: 1. I meet the requirements for the Responsible Person as defined in Section 10-103 of the Building Energy Efficiency Standards for the State of California as a: (HERS rater, mechanical engineer, electrical engineer, or I am a licensed architect. 2. I affirm that I am eligible under the provisions of Section 5 of the Business and Professions Code to stamp the documents I submit, and that I am a licensed contractor performing this work. 3. I affirm that I am eligible under the provisions of the Business and Professions Code to sign this document because it pertains to a structure or type of work described to be exempt pursuant to Business and Professions Code Section 5537, 5538, and 6737.1.
Building Owner's Name: DAVIS CMEA	Building Owner's Signature:
Address: 2620 Barrett Ave - Perris CA 92571	Date Signed:
City/State/Zip:	Phone: 951-940-9101
Responsible Designer Name: SILVER CMEA	Responsible Designer Signature:
Company: DAVIS CMEA	Date Signed:
Address: 2620 Barrett Ave - Perris CA 92571	License:
City/State/Zip:	Phone: 951-940-9101
Responsible Lighting Designer Name: DAVIS CMEA	Responsible Lighting Designer Signature:
Company: DAVIS CMEA	Date Signed:
Address: 2620 Barrett Ave - Perris CA 92571	License:
City/State/Zip:	Phone: 951-940-9101
Responsible Mechanical Designer Name: SILVER CMEA	Responsible Mechanical Designer Signature:
Company: DAVIS CMEA	Date Signed:
Address: 2620 Barrett Ave - Perris CA 92571	License:
City/State/Zip:	Phone: 951-940-9101

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

PALOMAR COLLEGE EDUCATION CTR
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:

ENERGY CALC'S
PRF FORMS ZONE 16
WORST CASE

REGISTERED ARCHITECT LYDIA BARRON C-33467 REN 01-31-2015 STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT (NOT FOR CONSTRUCTION PURPOSES) A SOFTWARE PROJECT APPLICATION (TITLE 24 CONSTRUCTION REQUIREMENTS)

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
AC ___ FLS ___ SS RAF
DATE JUL - 8 2015

REVISIONS

1 2 3 4 5 6 7 8

Lydia Barron

Digitally signed by Lydia Barron
DN: c=US, st=California, l=Sacramento, o=California Department of General Services, ou=Division of the State Architect, cn=www.versign.com/repository/CPS Incorp. by Ref.LIAB.LTD.(c)96, title=Architectural Associate, cn=Lydia Barron, email=lydia.barron@dgs.ca.gov
Date: 2015.09.30 10:00:12 -07'00'

SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-16-2015

P.C. SHEET NUMBER

A-0.5E

CLASSROOM/WORKROOM - 12'x40' BUILDING - WOOD STUDS - WOOD OR CONCRETE FLOOR - WALL MOUNTED HEAT PUMP - ANY ROOF TYPE

ALL ZONES DATA DESIGN	
ZONE #	1 - 16
Wall (min. R value)	19
Floor (min. R value)	19
Roof (min. R value)	30
HVAC	
Tonnage	3
Min. EER	6
Occupancy Sensor	YES
DCV	YES

CLASSROOM/WORKROOM - 12'x40' BUILDING - WOOD STUDS - WOOD OR CONCRETE FLOOR - ROOF MOUNTED HEAT PUMP - ANY ROOF TYPE

ALL ZONES DATA DESIGN	
ZONE #	1 - 16
Wall (min. R value)	19
Floor (min. R value)	19
Roof (min. R value)	30
HVAC	
Tonnage	3
Min. Seer	14
Occupancy Sensor	YES
DCV	YES

RESTROOM - 12'x40' BUILDING - WOOD STUDS - WOOD OR CONCRETE FLOOR - NO SPACE CONDITIONING SYSTEM - ANY ROOF TYPE

ALL ZONES DATA DESIGN	
ZONE #	1 - 16
Wall (min. R value)	11
Floor (min. R value)	19
Roof (min. R value)	19
HVAC	
Tonnage	NONE
Min. Seer	NONE
Occupancy Sensor	YES - ON/OFF ONLY
DCV	NO

LEGEND
Occupancy Sensor: Ceiling mounted occupancy sensor with dimming controls. Automatic on for low level lighting only, full by manual activation.
DCV: Demand Control Ventilation.

NOTES
Roofing: utilizing an energy star roof constructed of steel roof framing shall have min. R4 continuous rigid insulation (EPS or XPS material) on the interior side of the roof.
Windows shall be VFC 6200 horizontal slider (58.60 / OP) or equal (Max). U-Factor - 0.60 (Max), SHGC - .350 (Max), Visual Transmittance = 0.500 (Min).
Interior shall be field painted, unpainted with resilient floor (Max). U-Factor - 0.106 (Max)
Buildings located in climate zone 16 shall utilize a Non-electric resistance heating strip for supplemental heating.

DESIGN ENERGY VALUES BY ZONE | 1

CONSTRUCTION WASTE MANAGEMENT PLAN

A. DEFINITIONS
1. CONSTRUCTION AND DEMOLITION (C&D) WASTE: INCLUDES ALL NON-HAZARDOUS SOLID WASTES RESULTING FROM CONSTRUCTION, REMODELING, ALTERATIONS, REPAIR, AND DEMOLITION. INCLUDES MATERIAL THAT IS RECYCLED, REUSED, SALVAGED OR DISPOSED AS GARBAGE.
2. RECYCLING: THE PROCESS OF SORTING, CLEANING, TREATING, AND RECONSTITUTING MATERIALS FOR THE PURPOSE OF USING THE MATERIAL IN THE MANUFACTURE OF A NEW PRODUCT.
3. CO-MINGLED C&D RECYCLING: THE PROCESS OF COLLECTING MIXED RECYCLABLE MATERIALS IN ONE CONTAINER ON-SITE. THE CONTAINER IS TAKEN TO A MATERIAL RECOVERY FACILITY WHERE MATERIALS ARE SEPARATED FOR RECYCLING.

B. PERFORMANCE REQUIREMENTS
I. GENERAL: WASTE MATERIAL GENERATED DURING PROJECTS SHALL BE RECYCLED OR REUSED WHENEVER PRACTICABLE. DIVERT A MINIMUM OF 90% C&D WASTE, BY WEIGHT, FROM THE LANDFILL BY A CO-MINGLED C&D RECYCLING FACILITY.
I. C&D WASTE MATERIALS THAT SHALL BE SALVAGED, REUSED OR RECYCLED INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
CONCRETE, METALS, WINDOW GLASS, WOOD, GYPSUM BOARD, CARPETING AND PAD, CEILING TILES

C. QUALITY ASSURANCE
1. PRECONSTRUCTION CONFERENCE: REVIEW METHODS AND PROCEDURES RELATED TO WASTE MANAGEMENT INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:
I. REVIEW AND DISCUSS WASTE MANAGEMENT PLAN INCLUDING RESPONSIBILITIES OF WASTE MANAGEMENT COORDINATOR.
II. REVIEW REQUIREMENTS FOR DOCUMENTING QUANTITIES OF EACH TYPE OF MATERIALS THAT WILL BE SALVAGED, RECYCLED OR DISPOSED OF AS WASTE.
III. REVIEW PROCEDURES FOR PERIODIC WASTE COLLECTION AND TRANSPORTATION TO RECYCLING AND DISPOSAL FACILITIES.
IV. REVIEW WASTE MANAGEMENT REQUIREMENTS FOR EACH TRADE.

D. WASTE MANAGEMENT PLAN
1. INDENTIFY AND CONTRACT WITH A WASTE MANAGEMENT SERVICES PROVIDER OR ASSIGN RESPONSIBILITY TO INHOUSE WASTE MANAGEMENT PROJECT ADMINISTRATOR
2. RESPONSIBLE PARTY SHALL DEVELOP AND PROVIDE A PLAN WHICH INCLUDES THE FOLLOWING INFORMATION:
I. TYPES OF C&D WASTE EXPECTED TO BE GENERATED DURING DEMOLITION AND CONSTRUCTION.
II. PROPOSED METHODS FOR C&D WASTE SALVAGE, REUSE, RECYCLING AND DISPOSAL.
III. PROPOSED METHODS FOR SALVAGE, REUSE, RECYCLING AND DISPOSAL DURING CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, ONE OR MORE OF THE FOLLOWING:
A. REQUIRING SUBCONTRACTORS TO TAKE THEIR C&D WASTE TO A RECYCLING FACILITY.
B. CONTRACTING WITH A RECYCLING HAULER TO HAUL RECYCLABLE C&D WASTE TO AN APPROVED RECYCLING OR MATERIAL RECOVERY FACILITY.
C. PROCESSING AND REUSING MATERIALS ON-SITE

E. WASTE MANAGEMENT REPORT
1. WASTE MANAGEMENT SERVICES PROVIDER OR ADMINISTRATOR SHALL SUBMIT A CUMULATIVE WASTE MANAGEMENT REPORT ON A REGULAR BASIS WHICH INCLUDES:
I. A RECORD OF THE TYPE AND QUANTITY, BY WEIGHT, OF EACH MATERIAL SALVAGED, REUSED, RECYCLED OR DISPOSED.
II. TOTAL QUANTITY OF WASTE RECYCLED AS A PERCENTAGE OF TOTAL WASTE.
III. DISPOSAL RECEIPTS: COPY OF RECEIPTS ISSUED BY A DISPOSAL FACILITY FOR C&D WASTE THAT IS DISPOSED IN A LANDFILL.
IV. RECYCLING RECEIPTS: COPY OF RECEIPTS ISSUED BY APPROVED RECYCLING FACILITIES FOR COMINGLED MATERIALS. INCLUDE WEIGHT TICKETS FROM THE RECYCLING HAULER OR MATERIAL RECOVERY FACILITY AND VERIFICATION OF THE RECYCLING RATE FOR CO-MINGLED LOADS AT THE FACILITY.
V. SALVAGED MATERIALS DOCUMENTATION: TYPES AND QUANTITIES, BY WEIGHT, FOR MATERIALS SALVAGED FOR REUSE ON SITE, SOLD OR DONATED TO A THIRD PARTY.

F. CONSTRUCTION WASTE MANAGEMENT, GENERAL REQUIREMENTS
1. USE OF DETAILED MATERIAL ESTIMATES TO REDUCE RISK OF UNPLANNED AND POTENTIALLY WASTEFUL CUTS.
2. TO THE GREATEST EXTENT POSSIBLE, INCLUDE IN MATERIAL PURCHASING AGREEMENTS A WASTE REDUCTION PROVISION REQUESTING THAT MATERIALS AND EQUIPMENT BE DELIVERED IN PACKAGING MADE OF RECYCLABLE MATERIAL, THAT THEY REDUCE THE AMOUNT OF PACKAGING, THAT PACKAGING BE TAKEN BACK FOR REUSE OR RECYCLING, AND TO TAKE BACK ALL UNUSED PRODUCT. INSURE THAT SUBCONTRACTORS REQUIRE THE SAME PROVISIONS IN THEIR PURCHASE AGREEMENTS.
3. CONDUCT REGULAR VISUAL INSPECTIONS OF DUMPSTERS AND RECYCLING BINS TO REMOVE CONTAMINANTS.

G. REMOVAL OF CONSTRUCTION WASTE MATERIALS, GENERAL REQUIREMENTS
1. REMOVE C&D WASTE MATERIALS FROM PROJECT SITE ON A REGULAR BASIS. DO NOT ALLOW C&D WASTE TO ACCUMULATE ON-SITE.
2. TRANSPORT C&D WASTE MATERIALS OFF PROPERTY AND LEGALLY DISPOSE OF THEM.
3. BURNING OF C&D WASTE IS NOT PERMITTED.

IEQ PLAN

A. CONSTRUCTION PHASE:
1. FILTERS
I. ALL MECHANICAL EQUIPMENT WHICH REQUIRES A FILTER SHALL NOT BE OPERATED WITHOUT A FILTER IN PLACE.
II. ALL FILTERS SHALL HAVE A MERV RATING OF 8 OR GREATER.
III. A PRESSURE GAUGE SHALL BE INSTALLED AT ALL MECHANICAL EQUIPMENT REQUIRING FILTERS WHICH MEASURES THE PRESSURE DROP ACROSS THE FILTER AND WHICH IS MARKED TO INDICATE WHEN THE FILTER REQUIRES CLEANING OR REPLACEMENT.
2. PROTECTION OF MATERIALS
I. ALL BUILDING MATERIALS SHALL BE PROTECTED FROM WEATHER AND OTHER MOISTURE SOURCES WHEN RECOMMEND BY THE MANUFACTURER.
II. ANY POROUS MATERIAL WITH VISIBLE MICROBIAL GROWTH SHALL NOT BE INSTALLED.
III. ANY OTHER MATERIAL WITH VISIBLE MICROBIAL GROWTH SHALL BE THOROUGHLY CLEAN AND DECONTAMINATED PRIOR TO INSTALLATION.
3. PROTECTION OF INTERIOR ENVIRONMENT
I. WHENEVER POSSIBLE ALL SANDING, CUTTING GRINDING OR OTHER ACTIVITIES WHICH WILL GENERATE AIRBORNE PARTICLES SHALL BE PERFORMED AWAY FROM THE BUILDING.
II. WHERE AIRBORNE PARTICLE GENERATING ACTIVITIES CANNOT BE PERFORMED AWAY FROM THE BUILDING PROTECTIVE MEASURES SHALL BE TAKE TO SEAL INTERIOR AREAS TO REDUCE OR ELIMINATE PARTICLE TRANSFER.
III. ANY TEMPORARILY UNFILLED EXTERIOR OPENINGS SHALL BE PROTECTED WITH PLASTIC SHEETING, OR OTHER BARRIER. TO PREVENT THE MOISTURE AND OTHER CONTAMINANTS FROM ENTERING THE BUILDING.
IV. ALL WELDING SHALL BE PERFORMED PRIOR TO THE INSTALLATION OF EXTERIOR WALLS WHEREVER POSSIBLE.
4. DUCT SYSTEM CONSTRUCTION
I. THE DUCT SYSTEMS SHALL BE CONSTRUCTED AND INSTALLED PER THE SMACNA H/ AC DUCT CONSTRUCTION STANDARDS FOR METAL AND FLEXIBLE DUCTWORK.
II. THE DUCT SYSTEMS SHALL BE CONSTRUCTED AND INSTALLED PER THE SMACNA FIBROUS GLASS DUCT CONSTRUCTION STANDARDS.
III. THE DUCT SYSTEMS SHALL BE CONSTRUCTED AND INSTALLED NFPA 90A & NFPA 90B.
IV. ALL OPEN DUCTS AND REGISTERS SHALL BE PROTECTED WITH PLASTIC SHEETING, OR OTHER BARRIER, UNTIL THE BUILDING HAS BEEN COMPLETELY INSTALLED AND ENCLOSED AND THE MECHANICAL SYSTEM IS READY TO BE STARTED.
V. ALL OIL FILM SHALL BE REMOVED FROM DUCTS PRIOR TO INSTALLATION.
VI. ALL DUST AND DIRT SHALL BE REMOVED FROM BOTH THE INTERIOR AND EXTERIOR OF ALL DUCTS PRIOR TO INSTALLATION.
5. MATERIALS INSTALLATION
I. NATURAL OR TEMPORARY MECHANICAL VENTILATION SHALL BE PROVIDED WHEN MATERIALS WHICH EMIT VOLATILE ORGANIC COMPOUNDS (VOC) ARE INSTALLED.
II. NATURAL OR TEMPORARY MECHANICAL VENTILATION SHALL BE CONTINUED UNTIL SUCH A TIME THAT THE VOE EMISSIONS HAVE DISSIPATED.
III. ANY TEMPORARY VENTILATION SHALL BE EXHAUSTED TO THE EXTERIOR OF THE BUILDING.
IV. WHEN TEMPORARY MECHANICAL VENTILATION IS USED A CONSTRUCTION FILTER SHALL BE INSTALLED WITH MERV RATING OF NOT LESS THAN 8. THE CONSTRUCTION FILTER SHALL BE REPLACED PRIOR TO OCCUPANCY.
V. MATERIALS INSTALLATION SHALL BE SEQUENCED WHENEVER POSSIBLE TO ALLOW FOR THE INSTALLATION OF VOE EMITTING MATERIALS PRIOR TO THE INSTALLATION OF POROUS AND FIBROUS MATERIALS.
VI. MATERIALS WHICH EMIT A SIGNIFICANT AMOUNT OF VOCS OR ODORS SHALL BE STORED IN A MANNER WHICH ALLOWS FOR OFF-GASSING, IN A DRY AND WELL VENTILATION AREA, PRIOR TO INSTALLATION.
VII. CARPETED SURFACES SHALL BE VACUUMED PER THE CRI/GREEN LABEL VACUUM CLEANER PROGRAM REQUIREMENTS AT COMPLETION OF CONSTRUCTION AND PRIOR TO OCCUPANCY.

ACOUSTICAL CONTROL

WHEN THE PRE-CHECKED BUILDING IS SITE ADAPTED, THE BUILDINGS CONSTRUCTED PER THIS PC SHALL MEET THE REQUIREMENTS OF THE 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.507.4. WHEN THE PC BUILDING IS PLACED DIRECTLY ADJACENT TO ANOTHER PC BUILDING, THE ADJOINING WALL SECTION FOR THE INTERIOR SOUND TRANSMISSION MUST MEET THE MINIMUM REQUIREMENTS OF STC RATING OF 40 PER SECTION 507.4.3. THE ARCHITECT OF RECORD FOR THE PROJECT SITE THE PC BUILDING IS TO BE INSTALLED UPON SHALL IDENTIFY ANY ADDITIONAL NOISE TRANSMISSION MEASURES ARE REQUIRED BASED UPON THE NOISE LEVEL PRESENT AT THE PROJECT SITE. IF NECESSARY EXTERIOR WALL, ROOF AND WINDOW ASSEMBLIES MEETING THE STC AND OR CITC RATINGS SPECIFIED IN SECTIONS 5.507.4.1 + 5.507.4.1.1 SHALL BE UTILIZED.

LOW EMITTING MATERIALS + MOISTURE MANAGEMENT

SEALANTS AND CAULKS
ALL ADHESIVES, SEALANTS AND CAULKS APPLIED IN THE PROJECT'S INTERIOR SHALL MEET THE REQUIREMENTS OF THE 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.1. PRODUCTS IN THIS CATEGORY INCLUDE BUT ARE NOT LIMITED TO CARPET, RESILIENT AND WOOD FLOORING ADHESIVES; BASE COVE ADHESIVES; CERAMIC TILE ADHESIVES; DRYWALL AND PANEL ADHESIVES; AEROSOL ADHESIVES; ADHESIVE PRIMERS; ACOUSTICAL SEALANTS; FIRE STOP SEALANTS; HVAC DUCT SEALANTS, SEALANT PRIMERS; AND CAULKS.

PAINTS & COATINGS
ALL PAINTS AND ARCHITECTURAL COATINGS APPLIED IN THE PROJECT'S INTERIOR SHALL MEET THE REQUIREMENTS OF THE 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.3. PRODUCTS IN THIS CATEGORY INCLUDE BUT ARE NOT LIMITED TO SEALERS, STAINS, CLEAR WOOD FINISHES, FLOOR SEALERS AND COATINGS, WATERPROOFING SEALERS, PRIMERS, FLAT PAINTS AND COATINGS, NON-FLAT PAINTS AND COATINGS, AND RUST PREVENTATIVE COATINGS.

RESILIENT FLOORING SYSTEMS
ALL FLOORING SYSTEMS SHALL MEET THE REQUIREMENTS OF THE 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.6.

COMPOSITE WOOD
ALL OF THE COMPOSITE WOOD PRODUCTS INSTALLED IN THE PROJECT SHALL MEET THE REQUIREMENTS OF THE 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.5. COMPOSITE WOOD PRODUCTS IN THIS CATEGORY ARE DEFINED IN THE CALIFORNIA AIR RESOURCES BOARD (CARE) AIRBORNE TOXIC CONTROL MEASURE (ATCM) TO REDUCE FORMALDEHYDE EMISSIONS FROM COMPOSITE WOOD PRODUCTS (SECTIONS 93120-93120.12, TITLE 17, CALIFORNIA CODE OF REGULATIONS). THE AFFECTED PRODUCTS INCLUDE HARDWOOD PLYWOOD, PLYWOOD WITH DECORATIVE SOFTWOOD VENEER, LAMINATED PRODUCTS WITH A COMPOSITE WOOD CORE OR PLATFORM, PARTICLEBOARD, MEDIUM DENSITY FIBERBOARD (MDF), AND FINISHED GOODS FABRICATED FROM.

CEILING & WALL SYSTEMS
ALL CEILING AND WALL SYSTEMS INSTALLED IN THE PROJECT'S INTERIOR TOTALING 90% OR MORE OF THE TOTAL AREAS OF SUCH PRODUCTS SHALL MEET THESE REQUIREMENTS. CEILING AND WALL SYSTEMS INCLUDE BUT ARE NOT LIMITED TO CEILING INSULATION INSTALLED WITHIN THE STRUCTURAL ENVELOP; WALL INSULATION, ACOUSTICAL CEILING PANELS, GYPSUM BOARD WALL PANELS, TACKABLE WALL PANELS, AND WALL COVERINGS. CERAMIC TILE AND OTHER ORGANIC-FREE METAL- OR MINERAL-BASED WALL COVERINGS ARE AVAILABLE FOR CREDIT WITHOUT ANY TESTING REQUIREMENTS. SITE APPLIED ADHESIVES AND SEALANTS AND SITE APPLIED PAINTS AND COATINGS ASSOCIATED WITH CEILING AND WALL SYSTEMS ARE TREATED UNDER OPTIONS 1 AND 2, RESPECTIVELY. CEILING AND WALL SYSTEMS SHALL BE TESTED AND EVALUATED FOR EMISSIONS OF VOCS OF CONCERN WITH RESPECT TO CHRONIC INHALATION EXPOSURES FOLLOWING THE SPECIFICATIONS OF THE CDPH STANDARD METHOD V1.1. THE SEPARATE COMPONENTS OR DISTINCT LAYERS OF THESE SYSTEMS SHALL BE MODELED TO THE STANDARD PRACTICE SCHOOL CLASSROOM USING THE CLASSROOM CEILING AREA AND/OR WALL AREA AS APPROPRIATE. FOR SYSTEMS CONSISTING OF MORE THAN ONE DISTINCT LAYER (E.G., WALLS COMPRISED OF INSULATION, WALL PANEL AND WALL COVERING), ALL LAYERS SHALL INDIVIDUALLY MEET THE REQUIREMENTS OF THE STANDARD PRACTICE.

CARPET SYSTEMS
ALL CARPET SYSTEMS SHALL MEET THE REQUIREMENTS OF THE 2013 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.4. ALL CARPET SHALL BE PER THE CARPET AND RUG INSTITUTE'S GREEN LABEL PLUS PROGRAM OR SHALL BE LISTED IN "HE CHPS HIGH PERFORMANCE PRODUCT DATABASE. ALL CARPET PAD SHALL BE PER THE CARPET AND RUG INSTITUTE GREEN LABEL PROGRAM.

PRIMARY EXTERIOR DOORS
ALL WALL AND FLOOR SURFACES WITHIN 24" OF A PRIMARY EXTERIOR DOOR SHALL BE NON-ABSORBANT. ALL PRIMARY EXTERIOR DOORS SHALL BE PROTECTED BY AN OVERHANG, AWNING OR SIMILAR ELEMENT NOT LESS THAN 48" IN DEPTH.

OUTDOOR AIR QUALITY

HVAC, REFRIGERATION AND FIRE SUPPRESSION SYSTEMS SHALL NOT CONTAIN CFCs OR HALONS.

BUILDING COMMISSIONING, BUILDINGS OVER 10,000 SF

BUILDINGS GREATER THAN 10,000 SQUARE FEET SHALL HAVE BUILDING COMMISSIONING COMPLIANCE PER TITLE 24, PART 6, SECTION 120.8 (a):

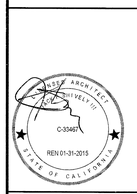
SUMMARY OF COMMISSIONING REQUIREMENTS
1. OWNERS OR OWNERS REPRESENTATIVE PROJECT REQUIREMENTS
2. BASIS OF DESIGN
3. DESIGN PHASE DESIGN REVIEW
4. COMMISSIONING MEASURES SHOWN IN THE CONSTRUCTION DOCUMENTS
5. COMMISSIONING PLAN
6. FUNCTIONAL PERFORMANCE TESTING
7. DOCUMENTATION AND TRAINING: AND
8. COMMISSIONING REPORT

CALGREEN SPECIFICATIONS | 2

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:
DESIGN ENERGY VALUES BY ZONE & CALGREEN SPEC'S



ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE: 2013 CBC
A REPRESENTATIVE APPLICATION FOR CONSTRUCTION IS REQUIRED

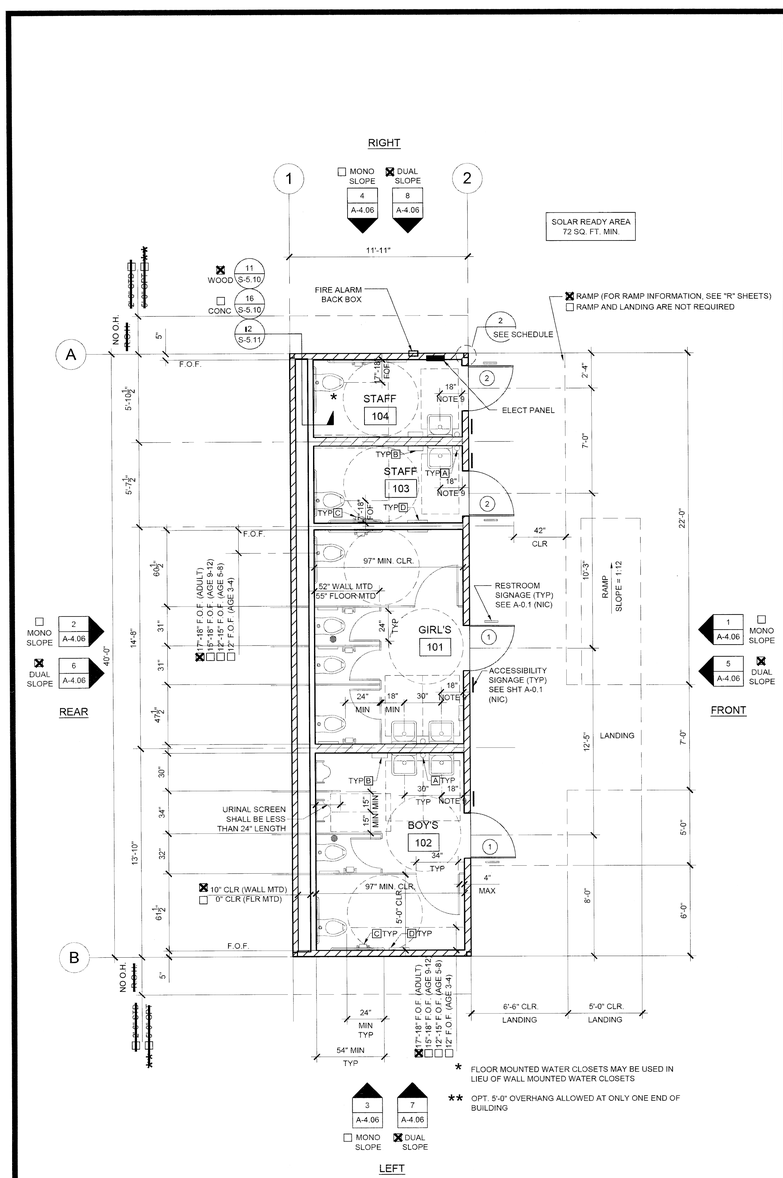
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
AC ___ FLS ___ SS RAF
DATE JUL - 8 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

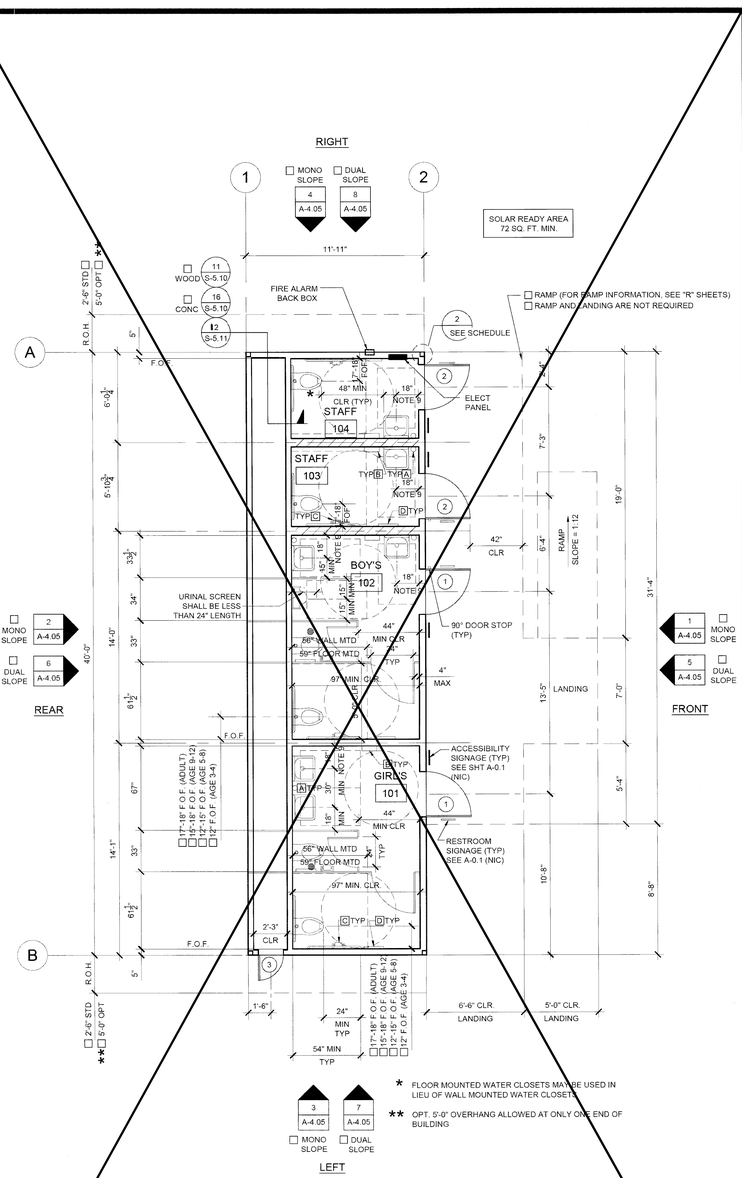
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-16-2015

P.C. SHEET NUMBER
A-0.7



NOTE:
IF PAPER TOWEL DISPENSER IS PROVIDED AND NO WASTE BIN INSTALLED, PROVIDE A 12" DIA. CLR SPACE FOR FUTURE FREE STANDING TRASH BIN.

FLOOR PLAN - MODEL C-2 SCALE: 1/4" = 1' - 0" 2



NOTE:
IF PAPER TOWEL DISPENSER IS PROVIDED AND NO WASTE BIN INSTALLED, PROVIDE A 12" DIA. CLR SPACE FOR FUTURE FREE STANDING TRASH BIN.

FLOOR PLAN - MODEL C-1 SCALE: 1/4" = 1' - 0" 1

NOTES

1. PLACE (2) PERMANENT METAL IDENTIFICATION LABELS ON EACH MODULE. (PER IR 16-1.13)

   (1) LABEL AT REAR EXTERIOR AND (1) LABEL ABOVE CEILING LINE AT INTERIOR FRAME. LABELS WILL BE MECHANICALLY FASTENED AND SHOW THE DSA APPLICATION NUMBER, MANUFACTURERS NAME, SERIAL NUMBER, DESIGN LIVE LOAD FOR ROOF AND FLOOR FRAMING, WIND SPEED, EXPOSURE CATEGORY, Kzt = 1.0, 2013 CBC, DESIGN CLIMATE ZONE, SEISMIC PARAMETER S_s
2. VINYL TACKBOARD INTERIOR FINISH SHALL COMPLY WITH CBC SECTION 803.7.
3. LOCATIONS OF DOORS AND WINDOWS MAY VARY PER JOB. (IF THE NUMBER OF WINDOWS INCREASE, A NEW TITLE 24 SHALL BE SUBMITTED TO DSA)
4. POSTING OF OCCUPANCY LOAD SIGNS SHALL COMPLY WITH CBC 1004.3 & TITLE 19 C.C.R. (NOT IN MODULAR MANUFACTURER'S SCOPE OF WORK) (MODEL 'E' ONLY)
5. IF BUILDING IS TO BE RELOCATED, SEE RELOCATION SHEETS REL-101 & REL-102.
6. FOR BUILDINGS THAT ARE MANUFACTURED IN-PLANT, THE IN-PLANT INSPECTOR IS TO ATTACH A VERIFIED REPORT INSIDE EACH BUILDING, WHICH SHALL INDICATE THE MANUFACTURER'S NAME AND THE SERIAL NUMBER FOR EACH BUILDING MODULE AS WELL AS THE DSA FILE AND APPLICATION NUMBERS. PER IR-16-1.13
7. FLOOR MOUNTED TOILET FIXTURES MUST BE USED FOR KINDERGARTEN RESTROOM BUILDINGS.
8. ALL FIXTURE HEIGHTS TO BE VERIFIED PRIOR TO CONSTRUCTION.
9. REQUIRED LOCATION OF LAVATORY TO BE 19" MIN. FROM FACE OF FINISH OF WALL WHEN ACCESSORIES (PAPER TOWEL DISPENSERS, ELECTRIC HAND DRYERS, ETC.) HAVING A 4" PROJECTION ARE TO BE INSTALLED, SO AS NOT TO ENCROACH INTO THE 30" x 48" CLEAR SPACE.

DETAIL SCHEDULE

FINISH:	SHEET #:
☒ SIDING OVER WOOD STUDS (WUI COMPLIANT DURATEMP)	A-5.50
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
☐ SIDING OVER STEEL STUDS	A-5.60
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

FIRE RATED DETAIL SCHEDULE

FIRE PROTECTION:	SHEET #:
☐ 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
☐ 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63

SYMBOLS LEGEND

60" CIRCLE CLEAR SPACE

30"x48" CLEAR SPACE

WALL LEGEND

NOMINAL 4" WALL STUD ☒

NOMINAL 6" WALL STUD ☒

NOMINAL 8" WALL STUD ☐

A WINDOW PER SCHEDULE SHEET A-0.2

DOOR PER SCHEDULE SHEET A-0.2

NOTE:
IF PARAPET IS USED & HIGHER THAN 18", END WALLS MUST BE 2x6 @ 24" O.C.

THIS PLAN MAY INCLUDE THE VARIOUS EXERCISABLE OPTIONS APPLICABLE TO THE PC, SUCH AS PARTITION WALLS, PLUMBING, ETC. FOR REFERENCE PURPOSES. OPTIONS CAN BE APPLIED AS REQUIRED TO THE PC'S BUILDING SIZES

TOILET ACCESSORIES

A SOAP DISPENSER: LIQUID SOAP DISPENSER 4" MAX PROJECTION

B PAPER TOWEL DISPENSER/TRASH BIN COMBO: SURFACE MOUNTED. 4" MAX. PROJECTION-CANNOT ENCROACH INTO 30"x48" CLEAR SPACE OF FIXTURE

C TOILET PAPER HOLDER: SINGLE ROLL SEMI-RECESSED OR 3" MAX PROJECTION

D TOILET SEAT DISPENSER: SURFACE MOUNTED

ACCESSORY NOTE:
TOILET ACCESSORIES (NIC) SEE SHEET P-2.01 FOR ACCESSIBLE ELEVATION & DIMENSIONS.

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:

FLOOR PLAN
12'x40' - MODEL C-1
12'x40' - MODEL C-2

REGISTERED ARCHITECT C-33467 REN 01-31-2015 STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK PC'S DOCUMENT CODE 2017 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
ACC FLS SS RAF
DATE JUL - 8 2015

REVISIONS

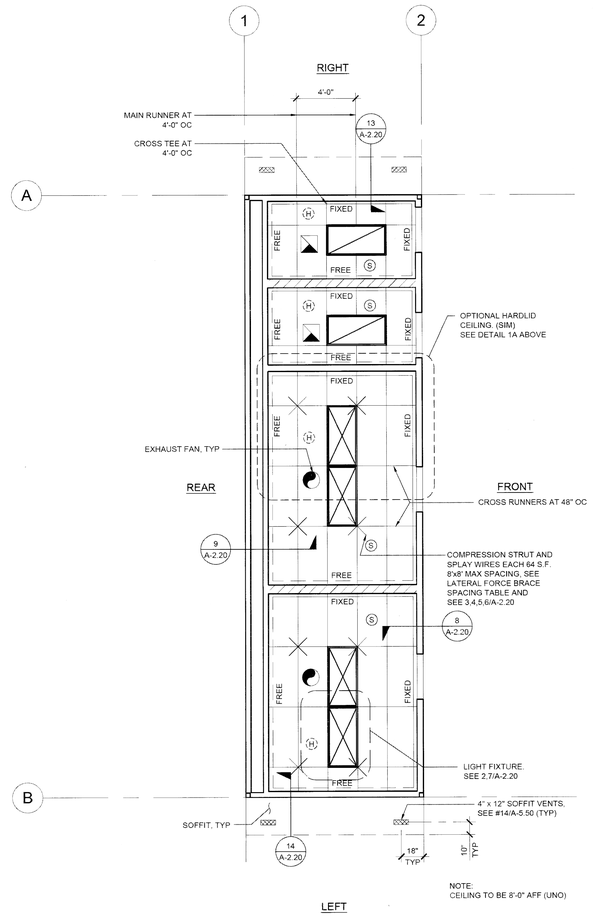
1	
2	
3	
4	
5	
6	
7	
8	

SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

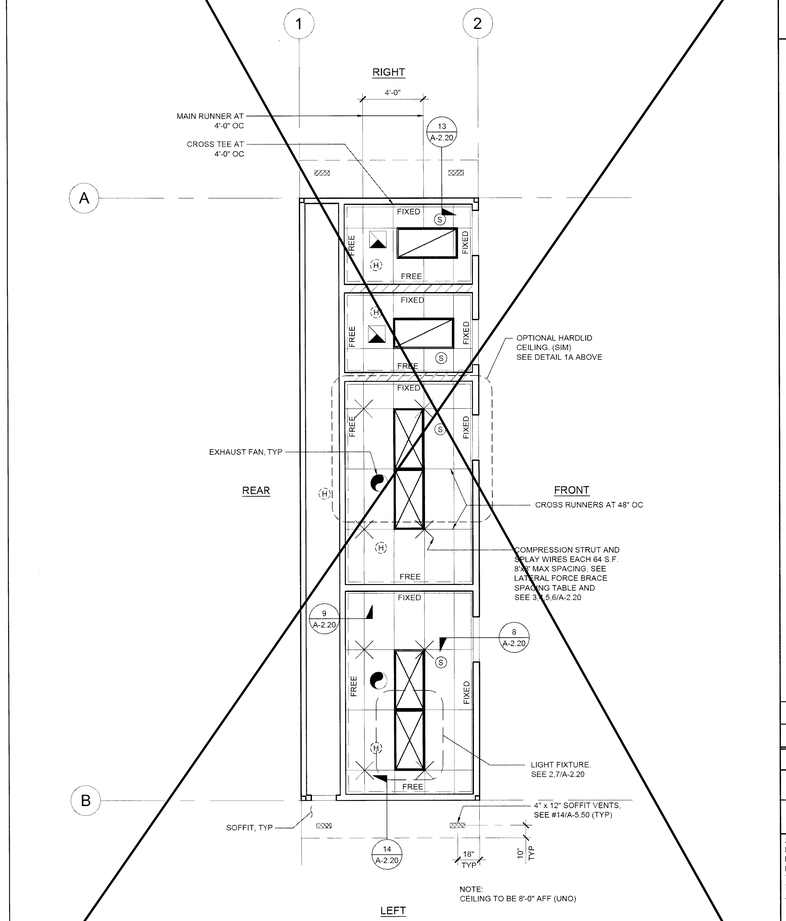
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-16-2015

P.C. SHEET NUMBER

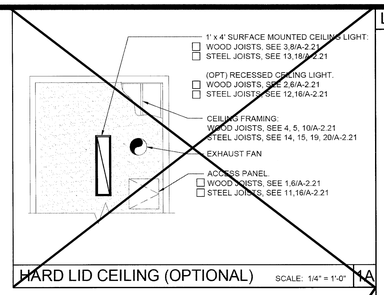
A-1.03



REFLECTED CEILING PLAN - MODEL C-2 SCALE: 1/4" = 1'- 0" 2



REFLECTED CEILING PLAN - MODEL C-1 SCALE: 1/4" = 1'- 0" 1



HARD LID CEILING (OPTIONAL) SCALE: 1/4" = 1'-0" 1A

LEGEND

- T-BAR CEILING
- FIELD INSTALLED PANEL AT MODULE LINE
- 2' x 4' RECESSED LIGHT FIXTURE
- "OPTIONAL" 1' x 4' RECESSED LIGHT FIXTURE
- SPLAY WIRE
- CEILING EXHAUST FAN
- (OS) CEILING MOUNTED OCCUPANCY SENSOR
- (PC) CEILING MOUNTED PHOTOCELL
- (S) CEILING MOUNTED SMOKE DETECTOR
- (H) ATTIC MOUNTED HEAT DETECTOR

NOTE:
FOR ALL REFLECTED CEILING NOTES SEE SHEET A-0.1

LATERAL FORCE BRACE SPACING

DESIGN SPECTRAL ACCELERATION PARAMETER (S_{DS})	BRACE ASSEMBLY SPACING
LESS THAN OR EQUAL TO 1.15	12' X 12' - FULL BUILDING HEIGHT
GREATER THAN 1.15 AND LESS THAN OR EQ. TO 1.73	8' X 12' - FOR z/h GREATER THAN 0.5 12'X12' FOR z/h LESS THAN OR EQUAL TO 0.5
GREATER THAN 1.73	8'X8' FOR z/h GREATER THAN 0.5 8'X12' FOR z/h LESS THAN OR EQUAL TO 0.5

z = HEIGHT IN STRUCTURE OF POINT OF ATTACHMENT OF CEILING W/ RESPECT TO BASE.
h = AVERAGE ROOF HEIGHT OF THE STRUCTURE WITH RESPECT TO THE BASE.
THERE SHALL BE A BRACE ASSEMBLY A DISTANCE NOT MORE THAN 1/2 OF THE ABOVE SPACING FROM EACH SURROUNDING WALL & EXPANSION JOINT.

T-BAR SCHEDULE

ARMSTRONG PART NUMBERS ICC-ES ESR-1308

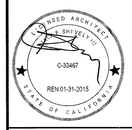
MAIN RUNNER: 7301
4' CROSS TEE: XL7341
2' CROSS TEE: XL7328

STANDARD 7/8" WALL ANGLE WITH BERC-2 CLIP (ICC #ESR-1308) 2" WALL ANGLE: 7810 (OPTIONAL)

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:
REFLECTED CEILING PLAN
12'x40' MODEL C-1 OR C-2



ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

FIRE-CHECK (PC) DOCUMENT CODE 2013 CBC
A SIGNATE PROJECT APPLICATION IS CONSTRUCTION ANALYSIS

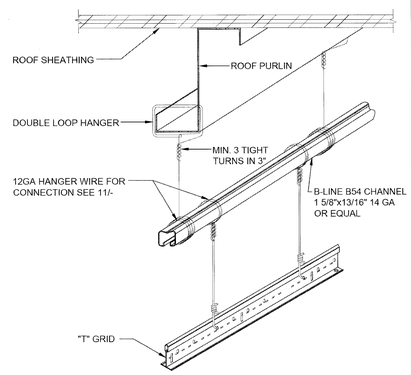
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
AC ---- FLS ---- SS RAF
DATE JUL - 8 2015

REVISIONS
1
2
3
4
5
6
7
8

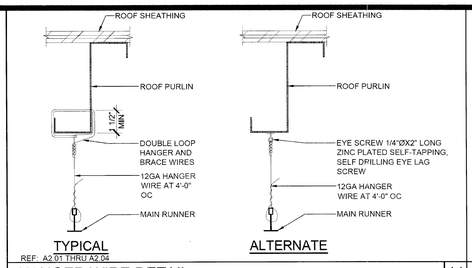
SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-16-2015

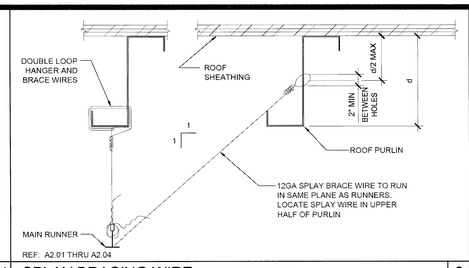
P.C. SHEET NUMBER
A-2.03



TRAPEZE DETAIL 17

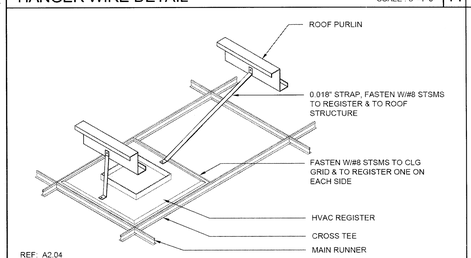


HANGER WIRE DETAIL SCALE : 3"=1'-0" 11

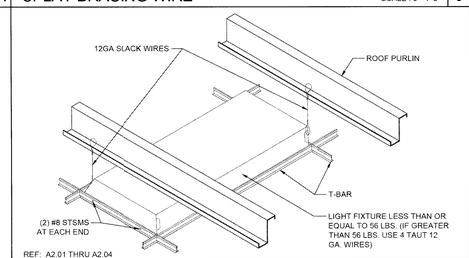


SPLAY BRACING WIRE SCALE : 3"=1'-0" 6

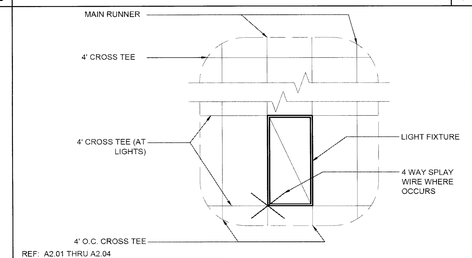
1



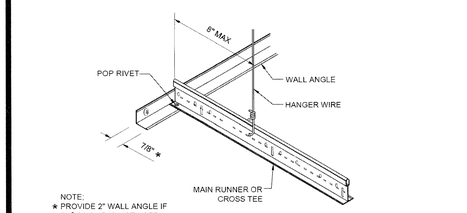
HVAC REGISTER MOUNTING SCALE : NTS 12



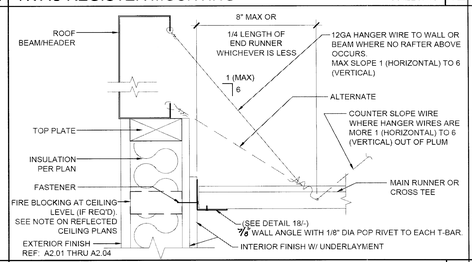
LIGHT FIXTURE MOUNTING SCALE : NTS 7



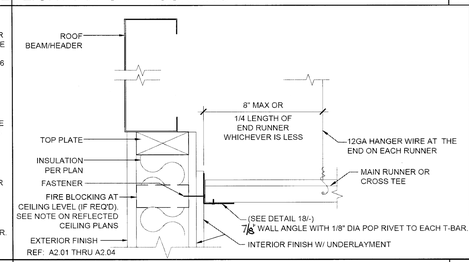
4' CROSS TEE AT LIGHTS SCALE : 3/8"=1'-0" 2



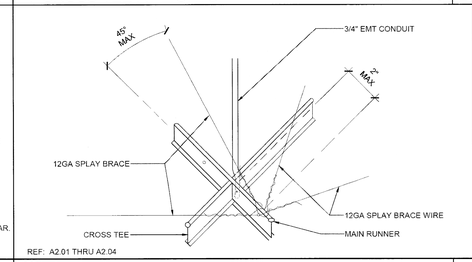
FIXED SIDE SCALE : NTS 18



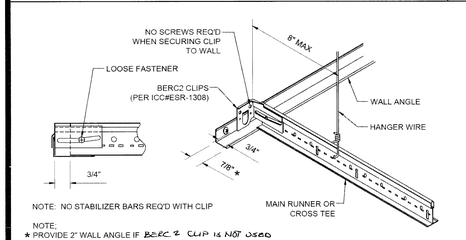
FIXED SIDE (ENDWALL) SCALE : 3"=1'-0" 13



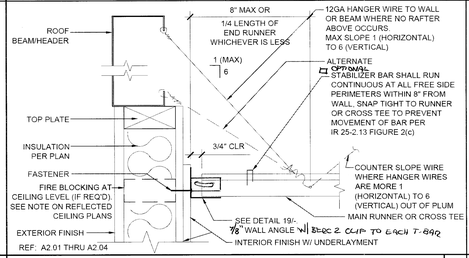
FIXED SIDE (SIDEWALL) SCALE : 3"=1'-0" 8



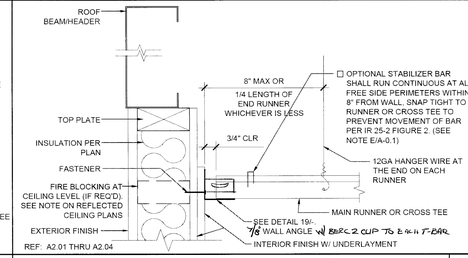
SEISMIC SPLAY - 4 WAY SCALE : NTS 3



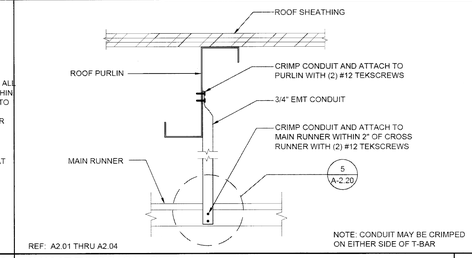
FREE SIDE SCALE : NTS 19



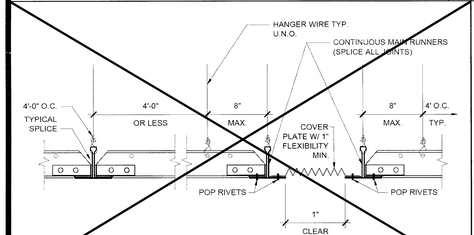
FREE SIDE (ENDWALL) SCALE : 3"=1'-0" 14



FREE SIDE (SIDEWALL) SCALE : 3"=1'-0" 9

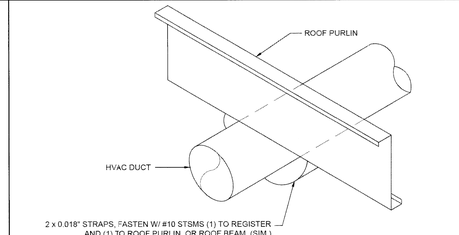


COMPRESSION STRUT SCALE : 3"=1'-0" 4

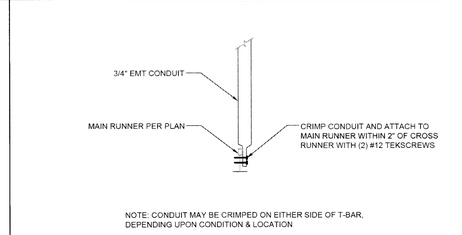


GRID SEISMIC SEPARATION JOINT SCALE : 3"=1'-0" 20

NOT USED 15



HVAC DUCTWORK MOUNTING SCALE: NTS 10



COMPRESSION STRUT SCALE : 3"=1'-0" 5

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:
CEILING DETAILS
T-GRID

REGISTERED ARCHITECT JOHN T. HOLT C-33467 REN 01-31-2015 STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION WITH PERMIT CODE 2013 CBC

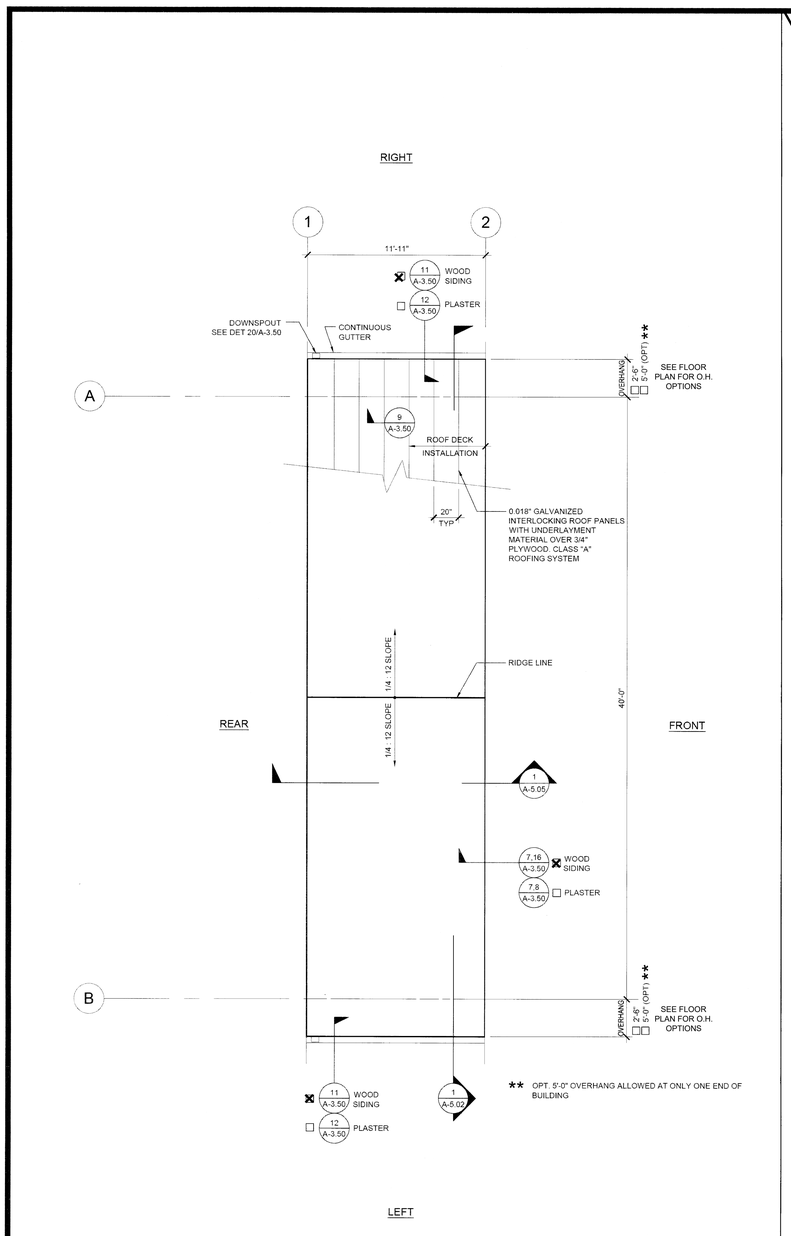
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
AC FLS SS RAF
DATE JUL - 8 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

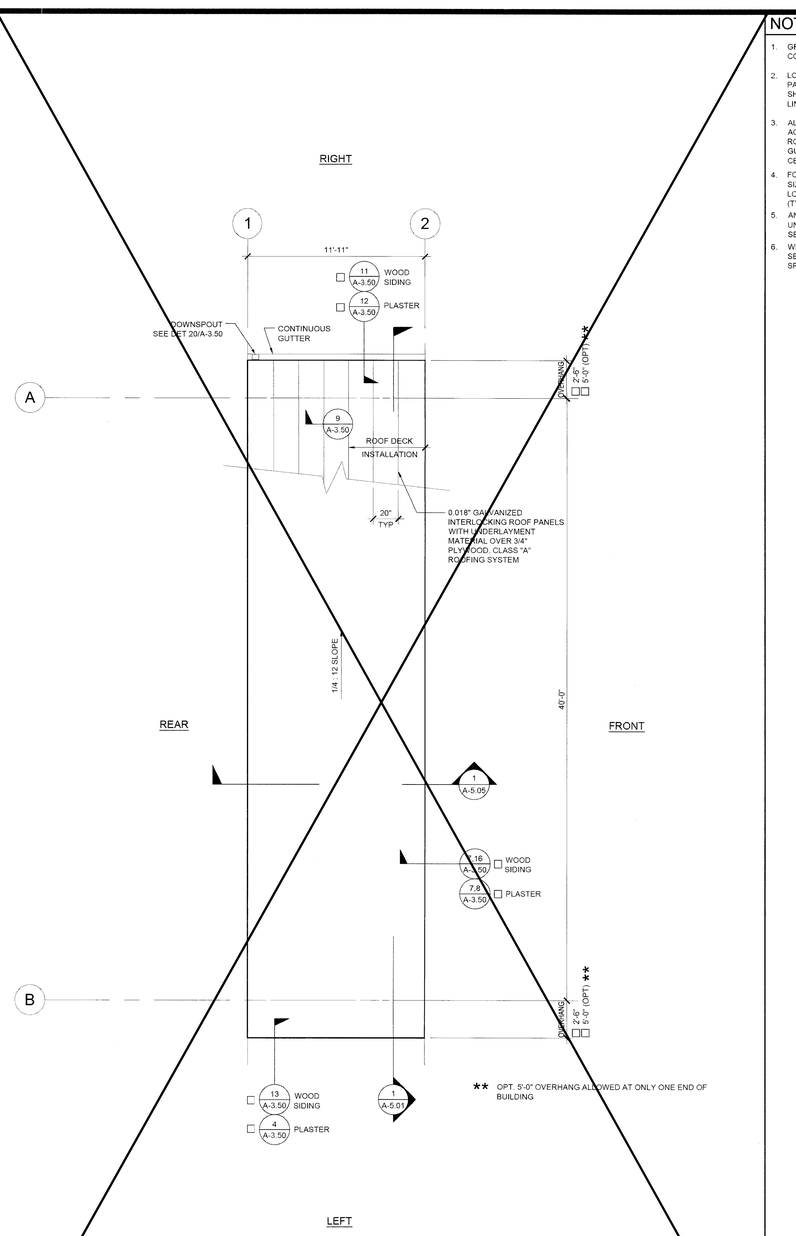
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-16-2015

P.C. SHEET NUMBER
A-2.20



ROOF PLAN - 0.018" METAL DECK - DUAL SLOPE

SCALE: 1/4" = 1'-0" | 2



ROOF PLAN - 0.018" METAL DECK - MONO SLOPE

SCALE: 1/4" = 1'-0" | 1

NOTES

1. GROUP E OCCUPANCIES - BUILDINGS SHALL HAVE ROOF COVERINGS AS SPECIFIED IN CBC TABLE 1505.1 - CLASS A.
2. LOCATIONS OF DRAFTSTOP AND/OR FULL HEIGHT PARTITIONS AS REQUIRED PER CBC-718.4.3 SHALL BE SHOWN ON PROJECT SPECIFIC PLANS LOCATED AT MODULE LINES.
3. ALL ROOFTOP EQUIPMENT THAT REQUIRES SERVICE & ROOF ACCESS HATCHES MUST BE A MIN. OF 10'-0" AWAY FROM ALL ROOF EDGES TO OPENING EDGES OR PROVIDE 42" MIN. GUARDRAIL OR PARAPET.
CBC 2013 SECTIONS 1013.6 & 1013.7.
4. FOR SPECIFIC DOWNSPOUT LOCATIONS FOR VARIOUS BUILDING SIZES, SEE KEY PLANS ON SHEET A-0.3.
LOCATE ONE (1) DOWNSPOUT FOR EVERY THREE (3) MODULES (TYP)
5. ANY BUILDING OVER 3,000 SQ/FT REQUIRES A DRAFT STOP UNLESS BUILDING IS EQUIPPED WITH FIRE SPRINKLERS.
SEE DETAIL 15 / A-2.20
6. WHEN PARAPETS ARE REQUIRED BECAUSE OF FIRE SEPARATION REQUIREMENTS AND/OR PROJECT SPECIFICATIONS, PROVIDE PARAPET PER CBC SECT. 705.11

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

PALOMAR COLLEGE EDUCATION CTR
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:

ROOF PLAN
12'x40' - 0.018" METAL DECK
MONO OR DUAL SLOPE

LICENSED ARCHITECT
C-33467
REN 01-31-2015
STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
FOR PLAN REVIEW AND CONSTRUCTION PERMITS
FOR CONSTRUCTION PURPOSES

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
AC. FLS. SS RAF
DATE JUL - 9 2015

REVISIONS

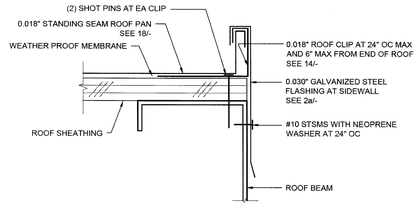
1	
2	
3	
4	
5	
6	
7	
8	

SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-16-2015

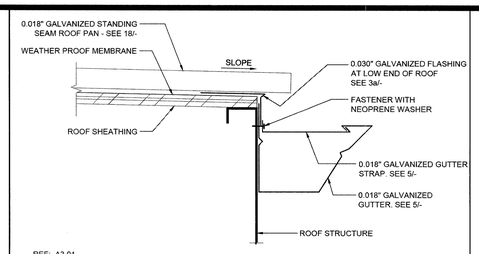
P.C. SHEET NUMBER

A-3.01



REF: A3.01

ROOF FLASHING AT SIDEWALL SCALE : 6"=1'-0" 16



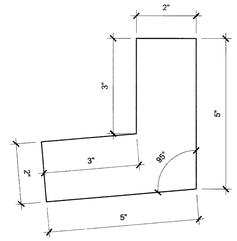
REF: A3.01

GUTTER AT ROOF FASCIA BEAM SCALE : 3"=1'-0" 11

NOT USED 6

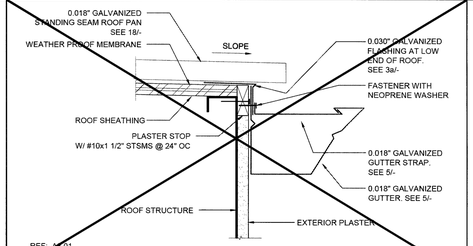
NOT USED 1a

NOT USED 1b



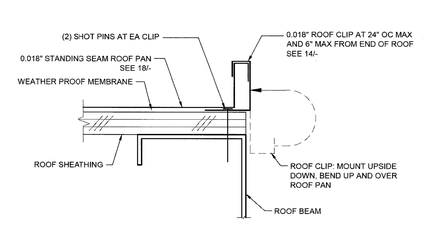
REF: A3.50

DOWNSPOUT ATTACHMENT SCALE : 6"=1'-0" 17



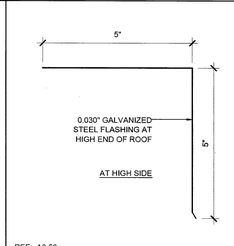
REF: A3.01

GUTTER AT ROOF FASCIA BEAM SCALE : 3"=1'-0" 12



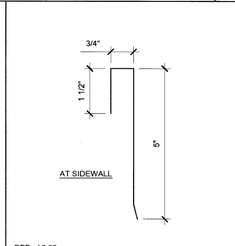
REF: A3.01

STARTER ROOF PAN CONNECTION SCALE : 6"=1'-0" 7



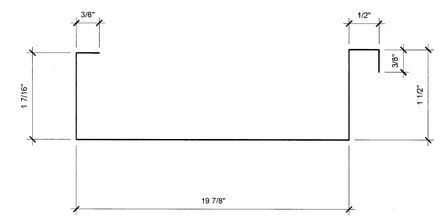
REF: A3.50

ROOF FLASHING SCALE : 6"=1'-0" 2b



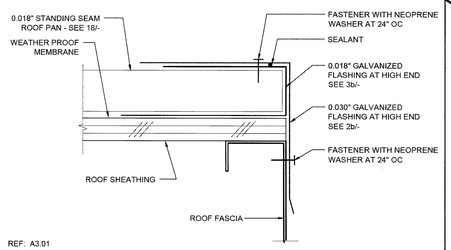
REF: A3.50

ROOF FLASHING SCALE : 6"=1'-0" 2a



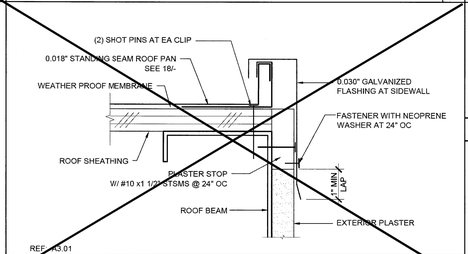
REF: A3.50

ROOF DECK PROFILE SCALE : 6"=1'-0" 18



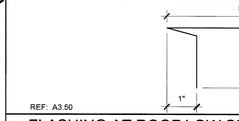
REF: A3.01

ROOF FLASHING AT HIGH SIDE SCALE : 6"=1'-0" 13



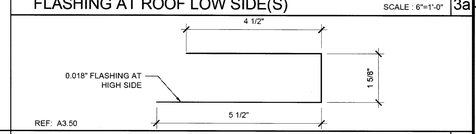
REF: A3.01

ROOF FLASHING AT SIDEWALL SCALE : 6"=1'-0" 8



REF: A3.50

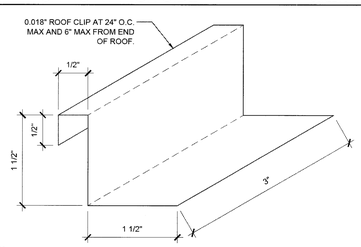
FLASHING AT ROOF LOW SIDE(S) SCALE : 6"=1'-0" 3a



REF: A3.50

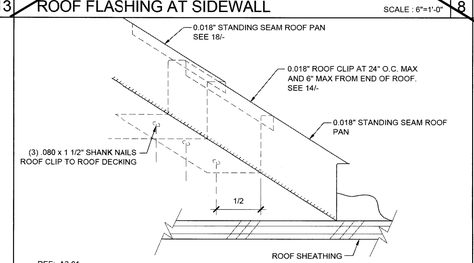
FLASHING AT ROOF HIGH SIDE SCALE : 6"=1'-0" 3b

NOT USED 19



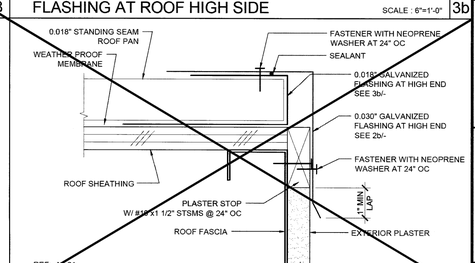
REF: A3.50

ROOF CLIP SCALE : 1'-0"=1'-0" 14



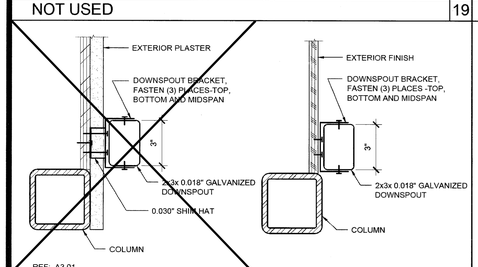
REF: A3.01

ROOF STANDING SEAM SCALE : NTS 9



REF: A3.01

ROOF FLASHING AT HIGH SIDE SCALE : 6"=1'-0" 4

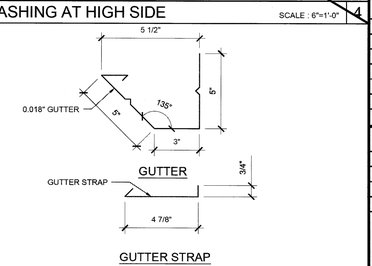


REF: A3.01

DOWNSPOUT ATTACHMENT SCALE : 3"=1'-0" 20

NOT USED 15

NOT USED 10



REF: A3.50

GUTTER STRAP

0.018" GUTTER AND GUTTER STRAP SCALE : 3"=1'-0" 5

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:
ROOF DETAILS
0.018" STANDING SEAM
ROOF DECK

REGISTERED ARCHITECT C-33467 REN 01-31-2015 STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE: 2013 CBC
A SUBMITTAL SET IS REQUIRED FOR CONSTRUCTION IS REQUIRED

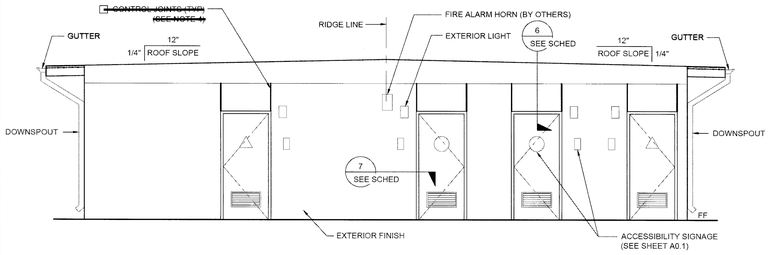
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
AC. FLS. SS. RAF
DATE JUL - 8 2015

REVISIONS
1
2
3
4
5
6
7
8

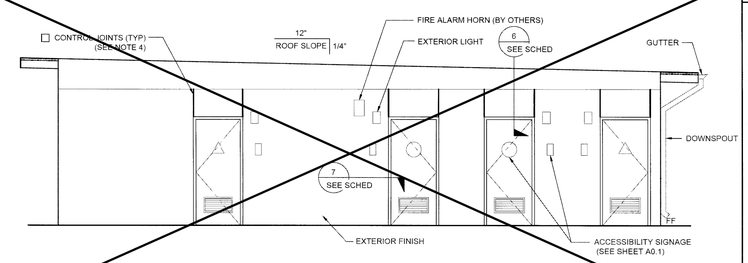
SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-16-2015

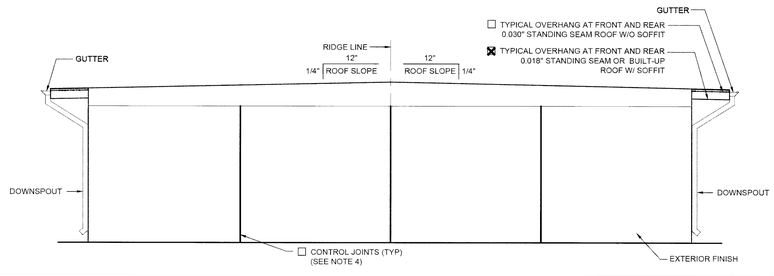
P.C. SHEET NUMBER
A-3.50



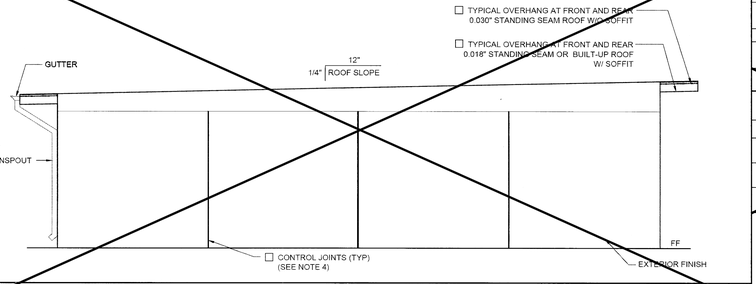
EXTERIOR ELEVATIONS - FRONT (MODEL C-2) - DUAL SLOPE SCALE: 1/4" = 1' - 0" 5



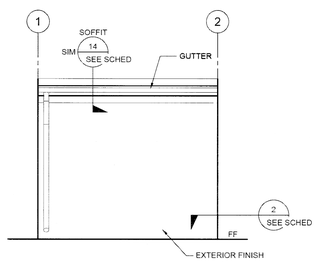
EXTERIOR ELEVATIONS - FRONT (MODEL C-2) - MONO SLOPE SCALE: 1/4" = 1' - 0" 1



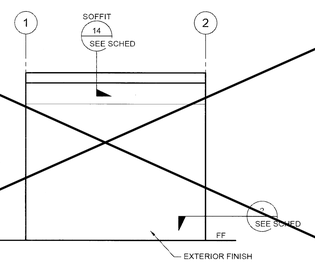
EXTERIOR ELEVATIONS - REAR (MODEL C-2) - DUAL SLOPE SCALE: 1/4" = 1' - 0" 6



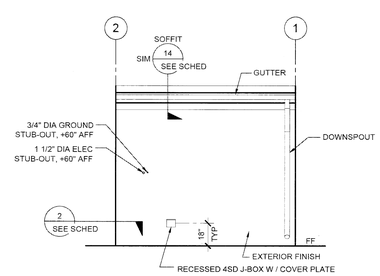
EXTERIOR ELEVATIONS - REAR (MODEL C-2) - MONO SLOPE SCALE: 1/4" = 1' - 0" 2



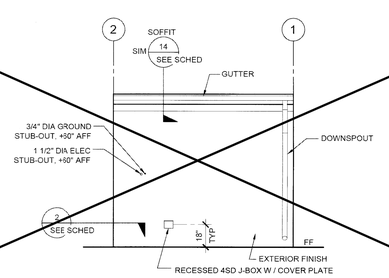
EXTERIOR ELEVATIONS - LEFT (MODEL C-2) - DUAL SLOPE SCALE: 1/4" = 1' - 0" 7



EXTERIOR ELEVATIONS - LEFT (MODEL C-2) - MONO SLOPE SCALE: 1/4" = 1' - 0" 3



EXTERIOR ELEVATIONS - RIGHT (MODEL C-2) - DUAL SLOPE SCALE: 1/4" = 1' - 0" 8



EXTERIOR ELEVATIONS - RIGHT (MODEL C-2) - MONO SLOPE SCALE: 1/4" = 1' - 0" 4

NOTES (EXTERIOR ELEVATION)

1. PROVIDE PROTECTION RAIL AROUND HVAC UNIT(S) IF LOCATED IN A PEDESTRIAN WAY IF THE HEIGHT FROM GRADE TO BOTTOM OF UNIT EXCEEDS 27" (NIC). REFERENCE TO DET. # 2/A5.81 FOR WOOD STUDS, # 17/A5.81 FOR STEEL STUDS
2. RAMP (WHERE OCCURS), NOT SHOWN FOR CLARITY.
3. WALL BEYOND HANDRAIL SHALL NOT HAVE ANY SHARP OR ABRASIVE SURFACE ADJACENT TO HANDRAILS. (GRIND SMOOTH ALL METAL RAILING CONNECTIONS - SMOOTH SURFACE TO EXTEND 6" ABOVE HANDRAIL)
4. FOR PLASTER ONLY, PROVIDE CONTROL JOINT AT EACH MODLINE, ON END WALLS, 10'-0" OC AT SIDE WALLS, AND / OR ABOVE AND BELOW OPENINGS. WHERE FIRE RATED WALLS ARE REQUIRED, MATERIALS AND METHODS OF CONSTRUCTION USED TO PROTECT JOINTS WILL COMPLY WITH CBC SECTION 703.2 AND 705.
5. HANDRAIL IS NOT ALLOWED AT PLASTER WALL OPTION WHERE RAMP & HANDRAIL IS AGAINST THE WALL. SEE DETAIL 1/R-1.02 FOR ALTERNATE RAMP APPLICATION.
6. EXTERIOR PROJECTIONS THAT ARE REQUIRED TO BE FIRE PROTECTED SHALL COMPLY W/ SECTION 705 AND 1406, 2013 CBC

DETAIL SCHEDULE

EXTERIOR FINISH:	SHEET #:
☒ SIDING OVER WOOD STUDS	A-5.50
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
☐ SIDING OVER STEEL STUDS	A-5.60
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

FIRE RATED DETAIL SCHEDULE

FIRE PROTECTION:	SHEET #:
☐ 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
☐ 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63

NOTE:
MINIMUM FOUNDATION HEIGHT TO BE 18" IF THE BUILDING CARRIES UNDER FLOOR PLUMBING (MANIFOLDS)

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:
EXTERIOR ELEVATION
12' X 40' - MODEL C-2
MONO / DUAL SLOPE

LICENSED ARCHITECT
JOHN F. SHIVELY III
C-33467
REN 01-31-2015
STATE OF CALIFORNIA

ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
ACCEPTED FLS SS RMF
DATE JUL - 8 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
12' X 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-16-2015

P.C. SHEET NUMBER
A-4.06

DETAIL SCHEDULE

FINISH:	SHEET #:
☒ SIDING OVER WOOD STUDS (WUI COMPLIANT DURATEMP)	A-5.50
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
☐ SIDING OVER STEEL STUDS	A-5.60
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

FIRE RATED DETAIL SCHEDULE

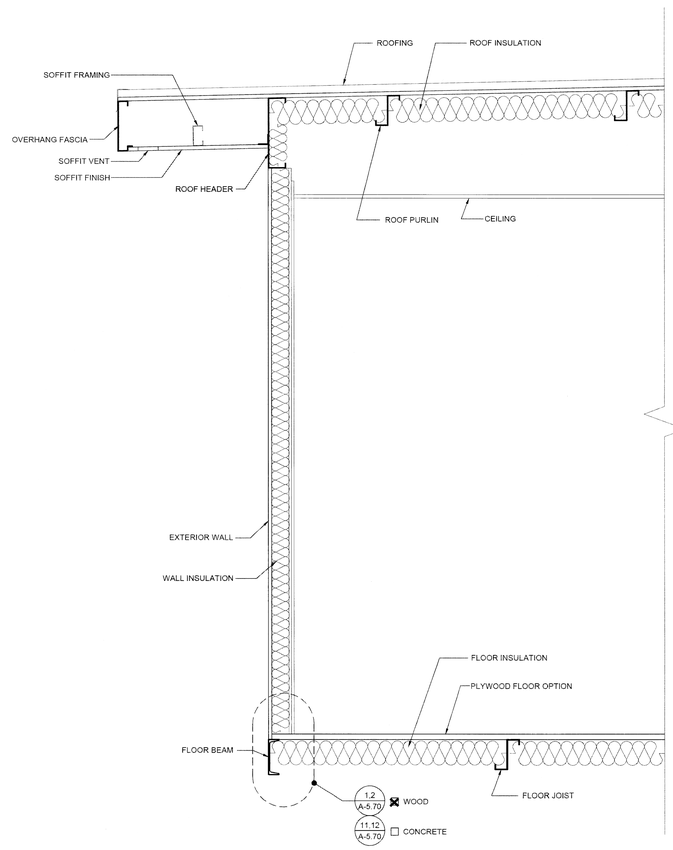
FINISH:	SHEET #:
☐ 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
☐ 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63

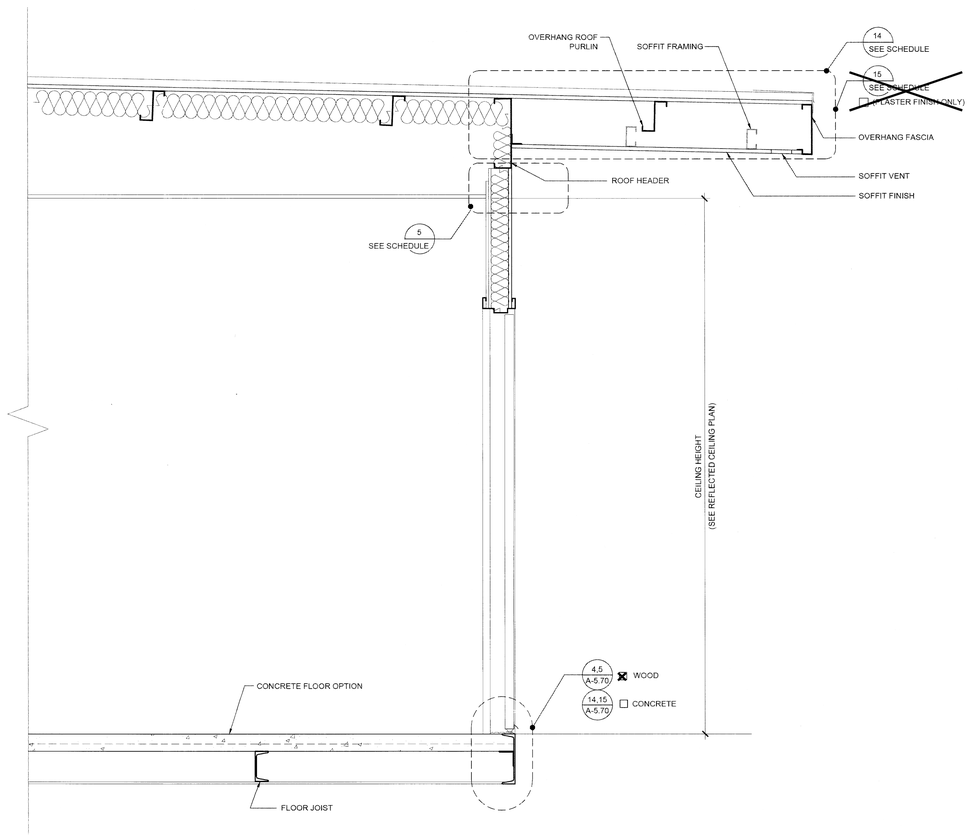
FLOOR OPTION

☒ WOOD FLOOR	
☐ CONCRETE FLOOR	

NOTES

MOISTURE PROTECTION AND CAULKING:
GENERAL: FURNISH AND INSTALL ALL CAULKING AS REQUIRED TO PROVIDE A WEATHERTIGHT BUILDING.
MATERIALS: SEALANT SHALL BE AN ACRYLIC LATEX OR SILICONE CAULKING.
APPLICATIONS: AT JOINTS WHERE SHOWN, APPLY SEALANT AS FOLLOWS - JOINTS SHALL BE CLEAN, DRY, AND FREE FROM DUST, WAX, AND FOREIGN MATERIALS. SEALANT SHALL BE APPLIED WITH A GUN IN A STRICT COMPLIANCE WITH MANUFACTURER'S DIRECTIONS. COMPLETELY FILL THE JOINT AND FIRMLY TOOL AGAINST THE BACKING, MAKING A SMOOTH CONVEX BEAD.
COLOR: COLOR OF MATERIAL SHALL MATCH THAT OF ADJACENT FINISHED SURFACES.





BUILDING SECTION

SCALE: 1" = 1'-0" | 1

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:

CROSS SECTION
DUAL SLOPE
.018 OR BUILT UP ROOF DECK

LICENSED ARCHITECT — C-33467 — REN 01-31-2015 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT FOR PROJECT APPLICATION & CONSTRUCTION PURPOSES CODE 2013 CBC

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
AC. FLS. SS. RAF
DATE JUL - 8 2015

REVISIONS

1	
2	
3	
4	
5	
6	
7	
8	

SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-16-2015

P.C. SHEET NUMBER

A-5.02

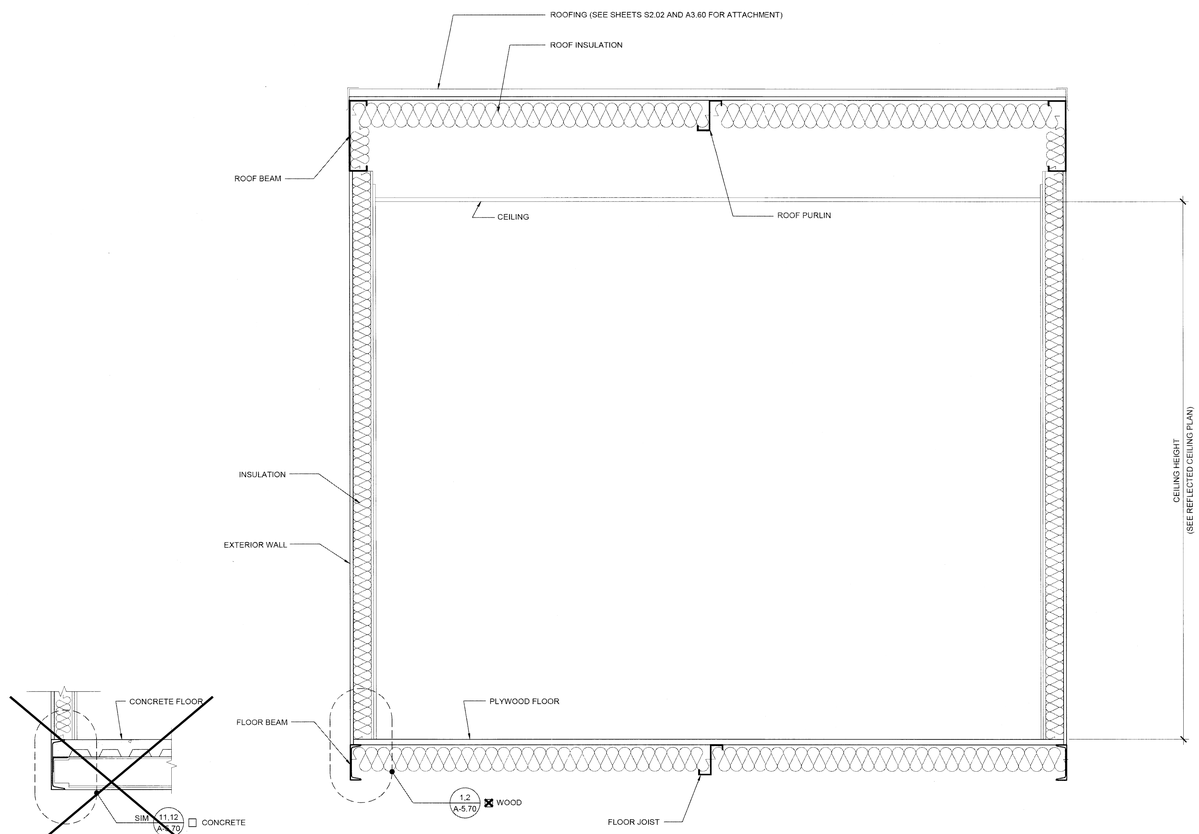
DETAIL SCHEDULE	
FINISH:	SHEET #:
☒ SIDING OVER WOOD STUDS (WUI COMPLIANT DURATEMP)	A-5.50
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
☐ SIDING OVER STEEL STUDS	A-5.60
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

FIRE RATED DETAIL SCHEDULE	
FINISH:	SHEET #:
☐ 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
☐ 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63

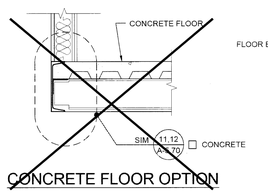
FLOOR OPTION
☒ WOOD FLOOR
☐ CONCRETE FLOOR

NOTES

MOISTURE PROTECTION AND CAULKING:
GENERAL: FURNISH AND INSTALL ALL CAULKING AS REQUIRED TO PROVIDE A WEATHERTIGHT BUILDING.
MATERIALS: SEALANT SHALL BE AN ACRYLIC LATEX OR SILICONE CAULKING.
APPLICATIONS: AT JOINTS WHERE SHOWN, APPLY SEALANT AS FOLLOWS - JOINTS SHALL BE CLEAN, DRY, AND FREE FROM DUST, WAX, AND FOREIGN MATERIALS. SEALANT SHALL BE APPLIED WITH A GUN IN A STRICT COMPLIANCE WITH MANUFACTURER'S DIRECTIONS. COMPLETELY FILL THE JOINT AND FIRMLY TOOL AGAINST THE BACKING, MAKING A SMOOTH CONVEX BEAD.
COLOR: COLOR OF MATERIAL SHALL MATCH THAT OF ADJACENT FINISHED SURFACES.



WOOD FLOOR OPTION



CONCRETE FLOOR OPTION

BUILDING SECTION

SCALE: 1" = 1'-0" | 1

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:
CROSS SECTION

LICENSED ARCHITECT — RANDALL VESLEY — C-33467 — REN 01-31-2015 — STATE OF CALIFORNIA

ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
K-12/HAHT PROJECT APPLICATION
K-12/NONSTRUCTURAL/MINOR

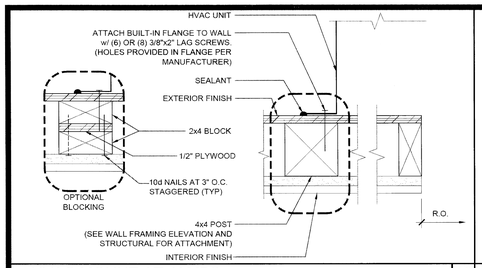
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
AC ___ FLS ___ SS RAE
DATE JUL - 8 2015

REVISIONS
1
2
3
4
5
6
7
8

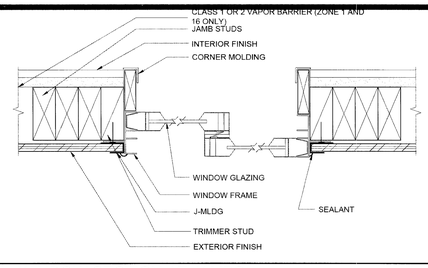
SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-16-2015

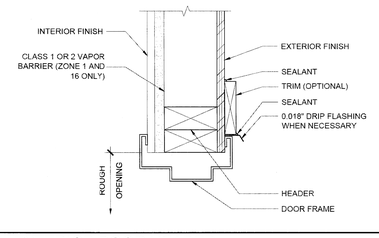
P.C. SHEET NUMBER
A-5.05



HVAC MOUNT AT JAMBS SCALE : 3"=1'-0" 16

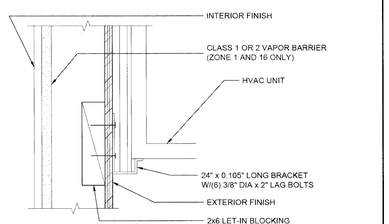


WINDOW SECTION AT JAMBS SCALE : 3"=1'-0" 11

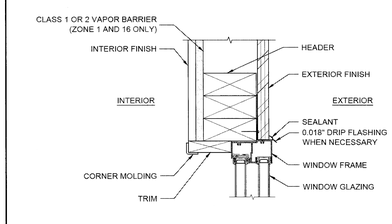


EXTERIOR DOOR HEADER SCALE : 3"=1'-0" 6

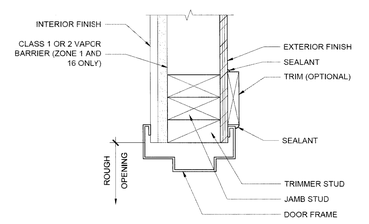
NOT USED 1



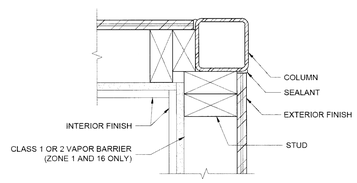
HVAC UNIT AT BOTTOM SCALE : 3"=1'-0" 17



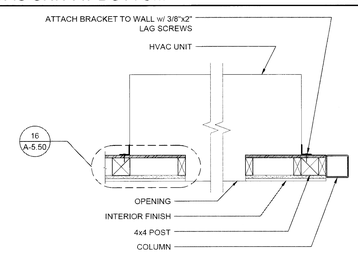
WINDOW HEADER SCALE : 3"=1'-0" 12



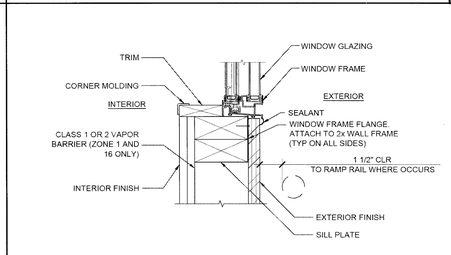
EXTERIOR DOOR JAMB SCALE : 3"=1'-0" 7



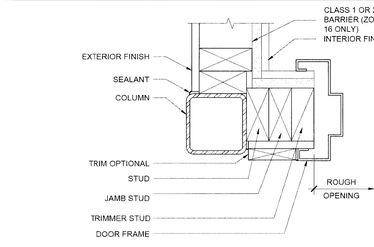
COLUMN AT CORNER SCALE : 3"=1'-0" 2



HVAC UNIT (PLAN) SCALE : 1"=1'-0" 18



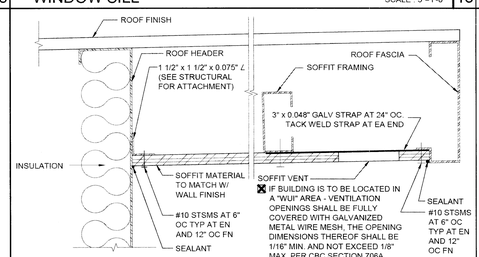
WINDOW SILL SCALE : 3"=1'-0" 13



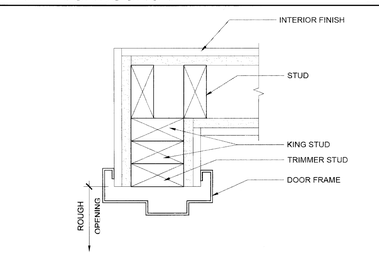
EXTERIOR DOOR JAMB SCALE : 3"=1'-0" 8

NOT USED 3

NOT USED 19



SOFFIT AT ROOF HEADER WITH VENT SCALE : 3" = 1'-0" 14

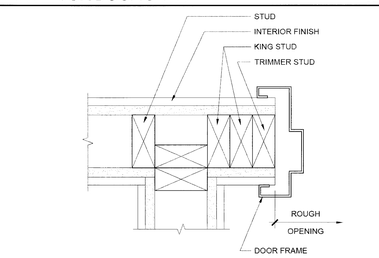


INTERIOR DOOR JAMB SCALE : 3"=1'-0" 9

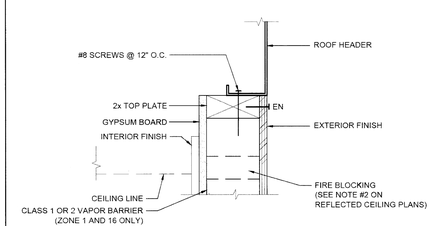
NOT USED 4

NOT USED 20

NOT USED 15



INTERIOR DOOR JAMBS SCALE : 3"=1'-0" 10



TOP PLATE AT ROOF HEADER SCALE : 3" = 1'-0" 5

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

PALOMAR COLLEGE EDUCATION CTR
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:

ARCHITECTURAL DETAILS
WOOD STUD - SHTG

LICENSED ARCHITECT — C-33467 — REN 01-31-2015 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

FIRE-CHECK (FC) DOCUMENT: CODE 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
AC. FLS. SS. RAF
DATE: JUL - 8 2015

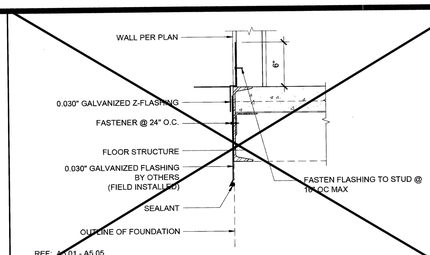
REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-16-2015

P.C. SHEET NUMBER

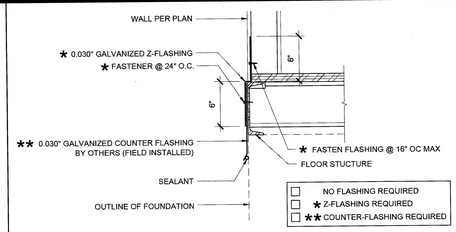
A-5.50



REF: A5.01 - A5.05

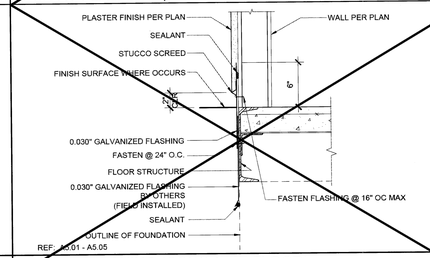
16 SKIRT FLASHING (CONCRETE FLOOR) SCALE : 1 1/2"=1'-0"

11 NOT USED



REF: A5.01 - A5.05

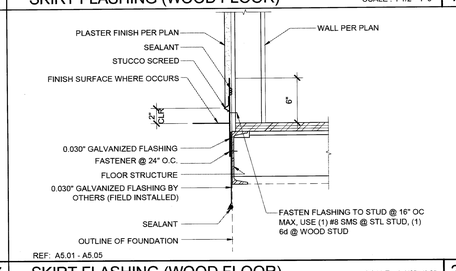
6 SKIRT FLASHING (WOOD FLOOR) SCALE : 1 1/2"=1'-0" 1



REF: A5.01 - A5.05

17 SKIRT FLASHING (CONCRETE FLOOR) SCALE : 1 1/2"=1'-0"

12 NOT USED



REF: A5.01 - A5.05

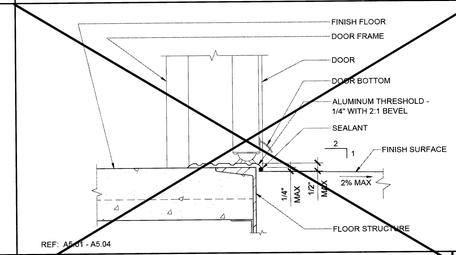
7 SKIRT FLASHING (WOOD FLOOR) SCALE : 1 1/2"=1'-0" 2

18 NOT USED

13 NOT USED

8 NOT USED

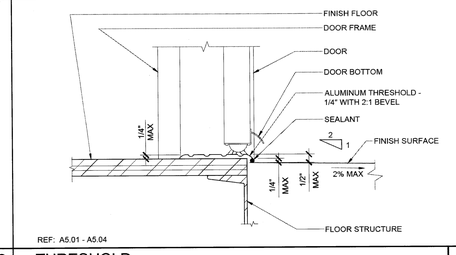
3 NOT USED



REF: A5.01 - A5.04

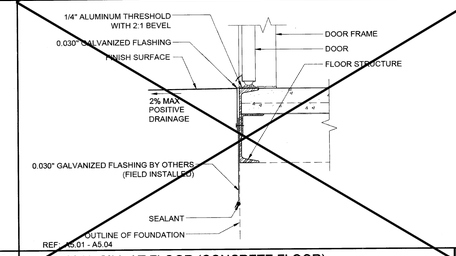
19 THRESHOLD SCALE : 3"=1'-0"

14 NOT USED



REF: A5.01 - A5.04

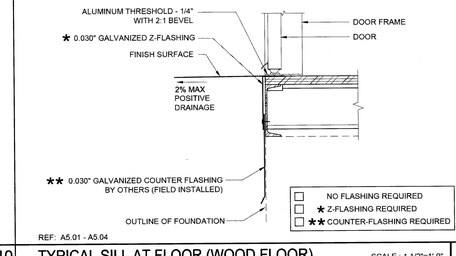
9 THRESHOLD SCALE : 3"=1'-0" 4



REF: A5.01 - A5.04

20 TYPICAL SILL AT FLOOR (CONCRETE FLOOR) SCALE : 1 1/2"=1'-0"

15 NOT USED



REF: A5.01 - A5.04

10 TYPICAL SILL AT FLOOR (WOOD FLOOR) SCALE : 1 1/2"=1'-0" 5

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:

ARCHITECTURAL DETAILS
FLOOR

LICENSED ARCHITECT
C-33467
REN 01-31-2015
STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE 2013 CBC
A SEPARATE PROJECT APPLICATION & CONSTRUCTION PERMIT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
AC FLS SS RAF
DATE JUL - 8 2015

REVISIONS

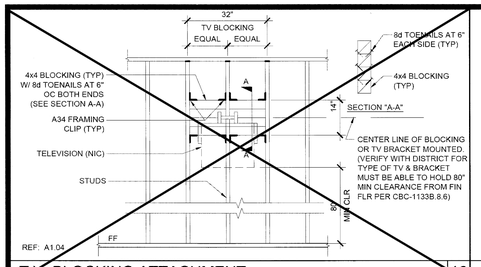
1	
2	
3	
4	
5	
6	
7	
8	

SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

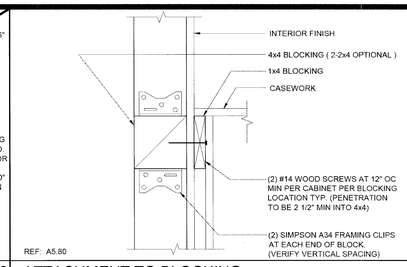
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-16-2015

P.C. SHEET NUMBER

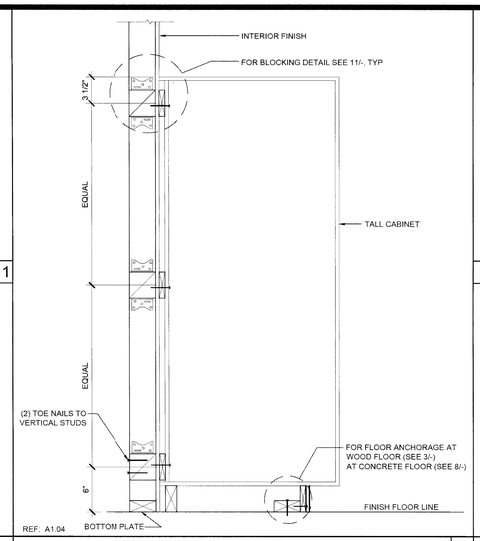
A-5.70



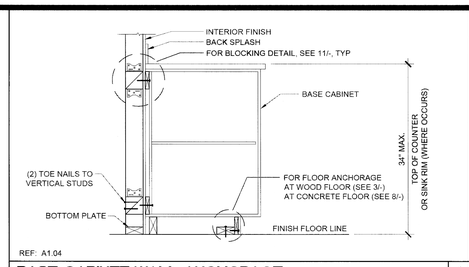
T.V. BLOCKING ATTACHMENT AT WOOD STUD SCALE : 1/2" = 1'-0" 16



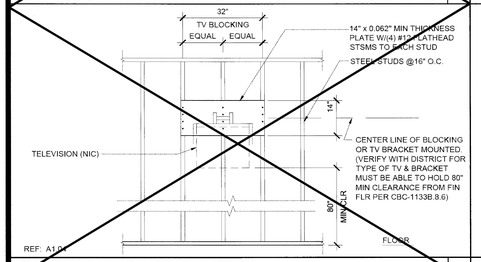
ATTACHMENT TO BLOCKING AT WOOD STUD SCALE : 3" = 1'-0" 11



TALL CABINET WALL ANCHORAGE AT WOOD STUD SCALE : 1 1/2" = 1'-0" 7

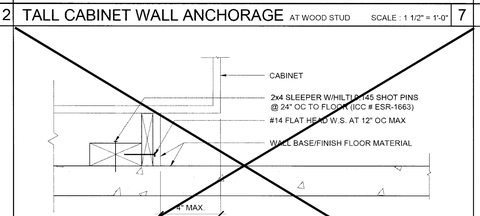


BASE CABINET WALL ANCHORAGE AT WOOD STUD SCALE : 1" = 1'-0" 1

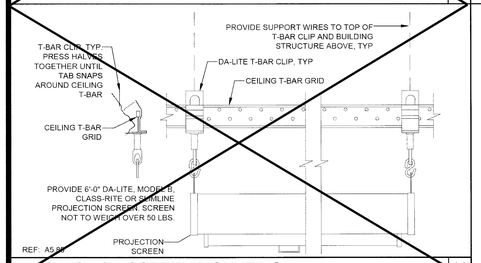


T.V. BLOCKING ATTACHMENT AT STEEL STUD SCALE : 1/2" = 1'-0" 17

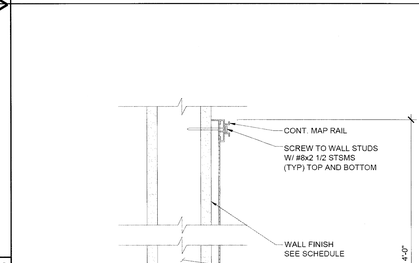
NOT USED 12



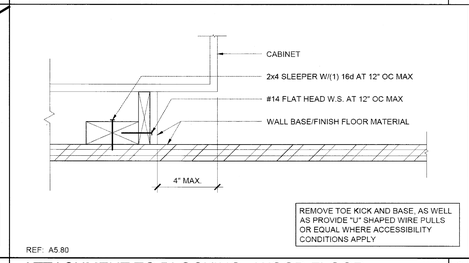
WALL HUNG ANCHORAGE CABINET AT WOOD STUD SCALE : 1 1/2" = 1'-0" 2



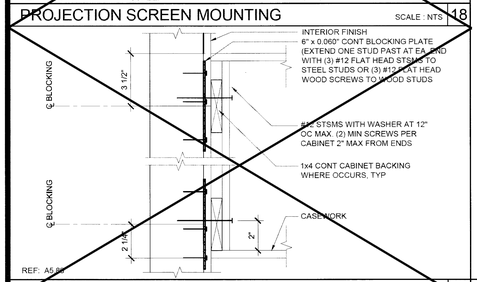
PROJECTION SCREEN MOUNTING SCALE : NTS 18



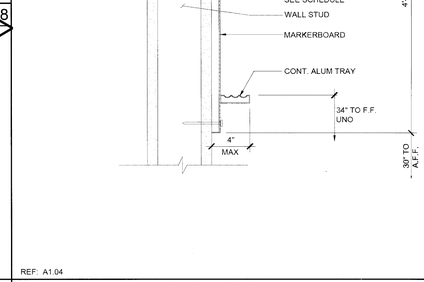
TALL CABINET WALL ANCHORAGE SCALE : 1 1/2" = 1'-0" 10



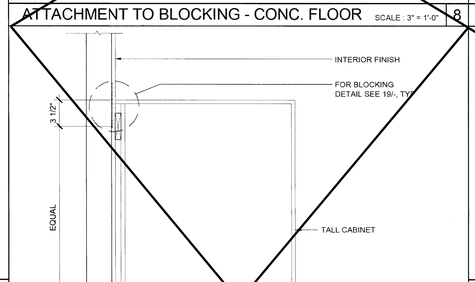
WALL HUNG ANCHORAGE CABINET AT WOOD STUD SCALE : 1 1/2" = 1'-0" 5



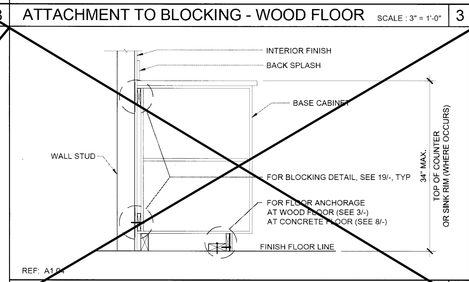
ATTACHMENT TO BLOCKING SCALE : 3" = 1'-0" 19



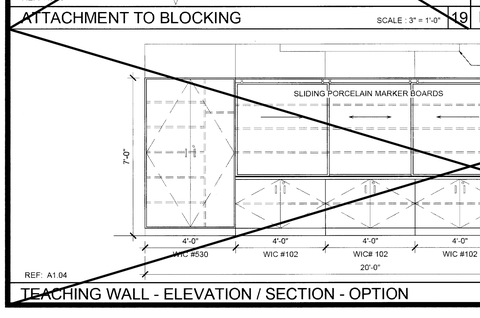
MARKER BOARD ATTACHMENT SCALE : 3" = 1'-0" 14



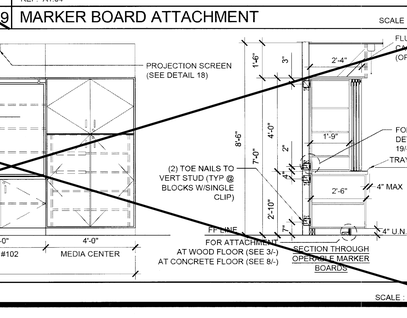
TALL CABINET WALL ANCHORAGE SCALE : 1 1/2" = 1'-0" 8

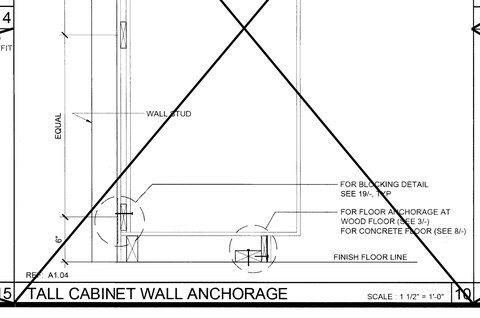


ATTACHMENT TO BLOCKING - WOOD FLOOR SCALE : 3" = 1'-0" 3

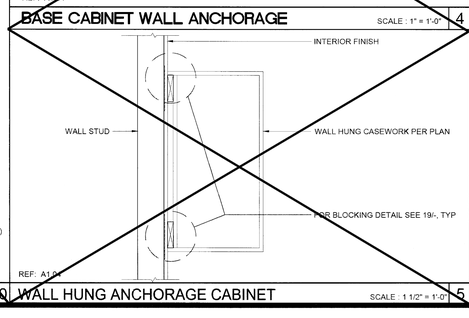


TEACHING WALL - ELEVATION / SECTION - OPTION SCALE : 3/8" = 1'-0" 15





TALL CABINET WALL ANCHORAGE SCALE : 1 1/2" = 1'-0" 10



BASE CABINET WALL ANCHORAGE SCALE : 1" = 1'-0" 4

WALL HUNG ANCHORAGE CABINET SCALE : 1 1/2" = 1'-0" 5

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:
ARCHITECTURAL DETAILS
MISCELLANEOUS/OPTIONS

REGISTERED ARCHITECT C-33467 REN:01-31-2015 STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE §4313.5BC A SEPARATE PROJECT APPLICATION & CONSTRUCTION INSPECTION

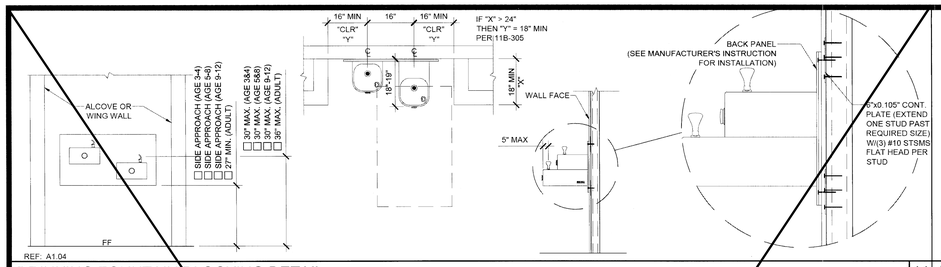
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
AC FLS SS BAF
DATE JUL - 8 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

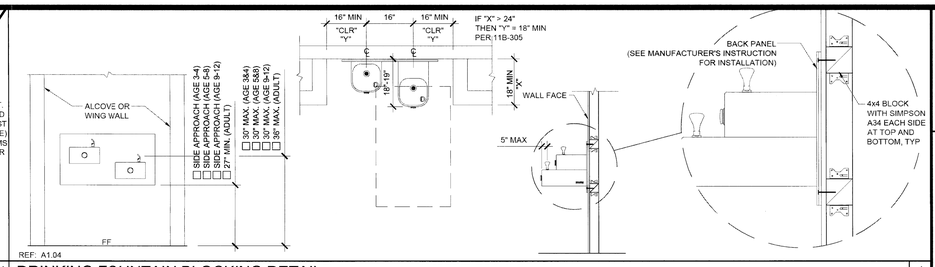
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-16-2015

P.C. SHEET NUMBER
A-5.80



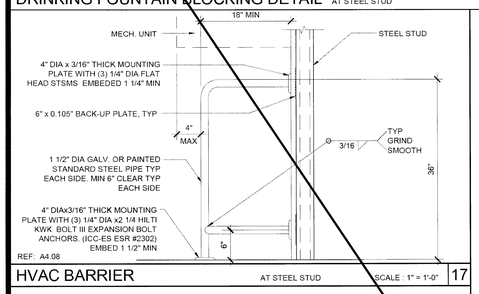
REF: A1.04

DRINKING FOUNTAIN BLOCKING DETAIL AT STEEL STUD — SCALE : 1/2" = 1'-0" — 11



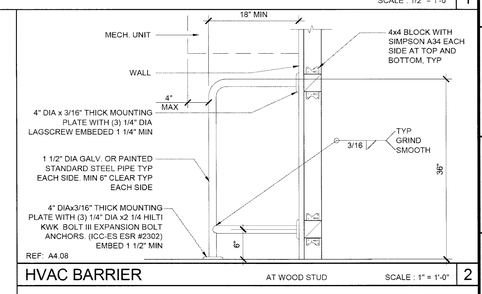
REF: A1.04

DRINKING FOUNTAIN BLOCKING DETAIL AT WOOD STUD — SCALE : 1/2" = 1'-0" — 1



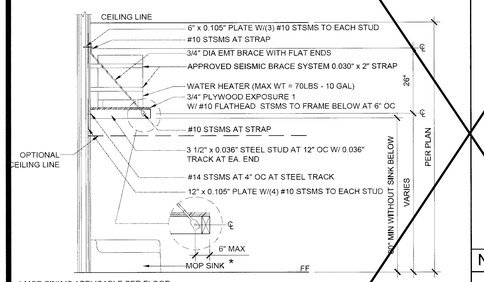
REF: A4.08

HVAC BARRIER AT STEEL STUD — SCALE : 1" = 1'-0" — 17

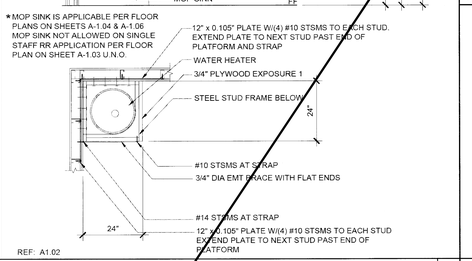


REF: A4.08

HVAC BARRIER AT WOOD STUD — SCALE : 1" = 1'-0" — 2

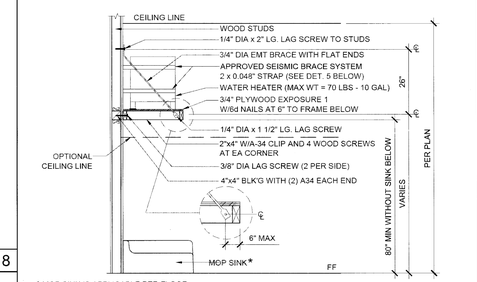


*MOP SINK IS APPLICABLE PER FLOOR PLANS ON SHEETS A-1.04 & A-1.06 MOP SINK NOT ALLOWED ON SINGLE STAFF RR APPLICATION PER FLOOR PLAN ON SHEET A-1.03 U.N.O.

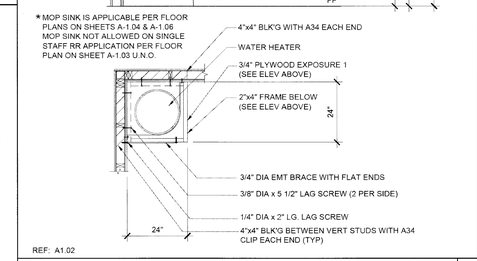


REF: A1.02

WATER HEATER SHELF AT STEEL STUD — SCALE : 1/2" = 1'-0" — 19

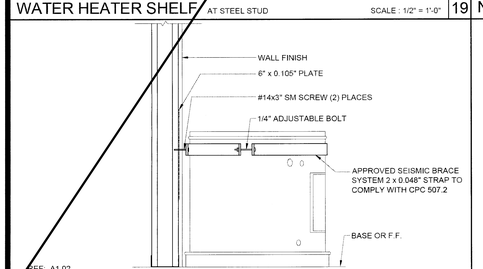


*MOP SINK IS APPLICABLE PER FLOOR PLANS ON SHEETS A-1.04 & A-1.06 MOP SINK NOT ALLOWED ON SINGLE STAFF RR APPLICATION PER FLOOR PLAN ON SHEET A-1.03 U.N.O.



REF: A1.02

WATER HEATER SHELF AT WOOD STUD — SCALE : 1/2" = 1'-0" — 4

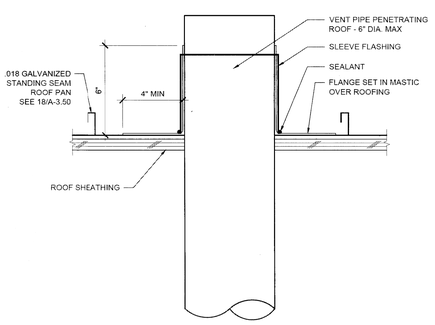


REF: A1.02

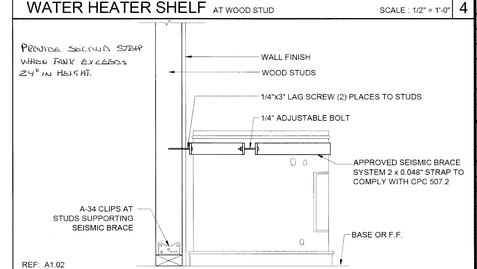
WATER HEATER BRACING AT STEEL STUD — SCALE : 1 1/2" = 1'-0" — 20

NOT USED — 13

NOT USED — 8



PIPE PENETRATION THROUGH ROOF — SCALE : 3"=1'-0" — 10



REF: A1.02

WATER HEATER BRACING AT WOOD STUD — SCALE : 1 1/2" = 1'-0" — 5

NOT USED — 14

NOT USED — 15

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:

ARCHITECTURAL
DETAILS
MISCELLANEOUS

ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
& BEING REVIEWED FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
APP'D FLS SS RAF
DATE JUL - 8 2015

REVISIONS

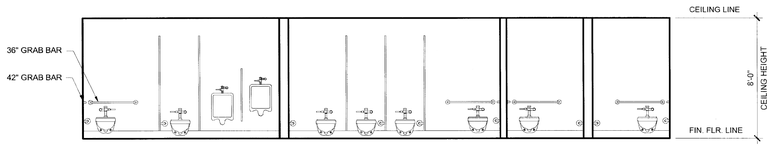
1	
2	
3	
4	
5	
6	
7	
8	

SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-16-2015

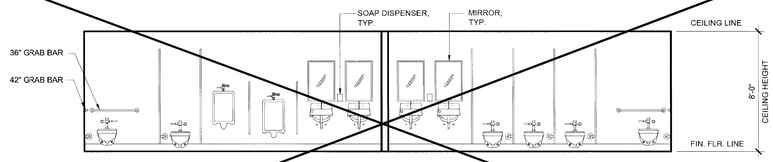
P.C. SHEET NUMBER

A-5.81



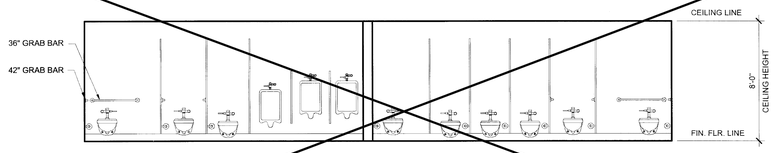
NOTE:
SEE SHEET P-2.01 FOR ACCESSIBLE DIMENSIONING REQUIREMENTS.

PLUMBING FIXTURE ELEVATION - OPTION C-2 SCALE: 1/4" = 1' - 0" | 5



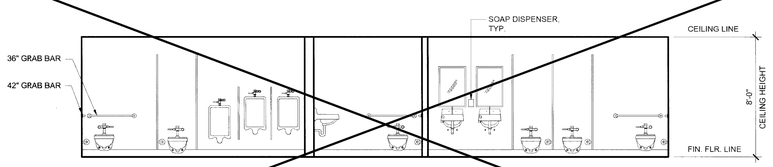
NOTE:
SEE SHEET P-2.01 FOR ACCESSIBLE DIMENSIONING REQUIREMENTS.

PLUMBING FIXTURE ELEVATION - OPTION A-1 AND A-2 SCALE: 1/4" = 1' - 0" | 1



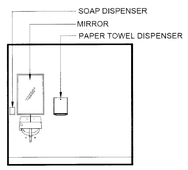
NOTE:
SEE SHEET P-2.01 FOR ACCESSIBLE DIMENSIONING REQUIREMENTS.

PLUMBING FIXTURE ELEVATION - OPTION D-1 SCALE: 1/4" = 1' - 0" | 6



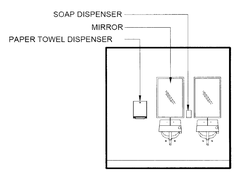
NOTE:
SEE SHEET P-2.01 FOR ACCESSIBLE DIMENSIONING REQUIREMENTS.

PLUMBING FIXTURE ELEVATION - OPTION B-1 SCALE: 1/4" = 1' - 0" | 2



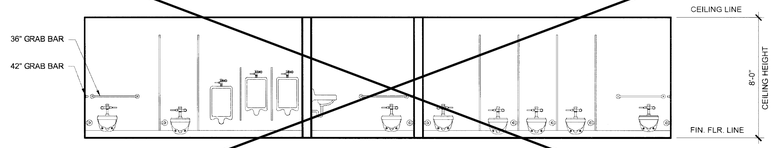
NOTE:
SEE SHEET P-2.01 FOR ACCESSIBLE DIMENSIONING REQUIREMENTS.

FIXTURE ELEVATION (TYP) - OPTION C-1 & C-2 SCALE: 1/4" = 1' - 0" | 9



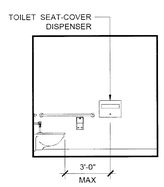
NOTE:
SEE SHEET P-2.01 FOR ACCESSIBLE DIMENSIONING REQUIREMENTS.

FIXTURE ELEVATION (TYP)-OPTION B-1, B-2, C-2 & D-1 SCALE: 1/4" = 1' - 0" | 7



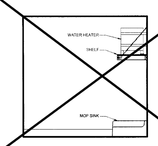
NOTE:
SEE SHEET P-2.01 FOR ACCESSIBLE DIMENSIONING REQUIREMENTS.

PLUMBING FIXTURE ELEVATION - OPTION B-2 SCALE: 1/4" = 1' - 0" | 3



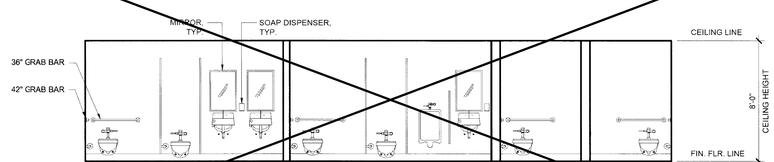
NOTE:
SEE SHEET P-2.01 FOR ACCESSIBLE DIMENSIONING REQUIREMENTS.

TOILET SEAT COVER DISPENSER ELEVATION SCALE: 1/4" = 1' - 0" | 10



NOTE:
SEE SHEET A-5.81 FOR SHELF DETAILS.

MOP SINK AND W/H ELEVATION-OPTION B-1 & B-2 SCALE: 1/4" = 1' - 0" | 8



NOTE:
SEE SHEET P-2.01 FOR ACCESSIBLE DIMENSIONING REQUIREMENTS.

PLUMBING FIXTURE ELEVATION - OPTION C-1 SCALE: 1/4" = 1' - 0" | 4

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:
INTERIOR ELEVATIONS
WALL MOUNTED

LICENSED ARCHITECT
C-33467
REN 01-31-2015
STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (P-1) DOCUMENT CODE: 2013 CBC
A SEPARATE PLAN APPLICATION FOR CONSTRUCTION IS REQUIRED

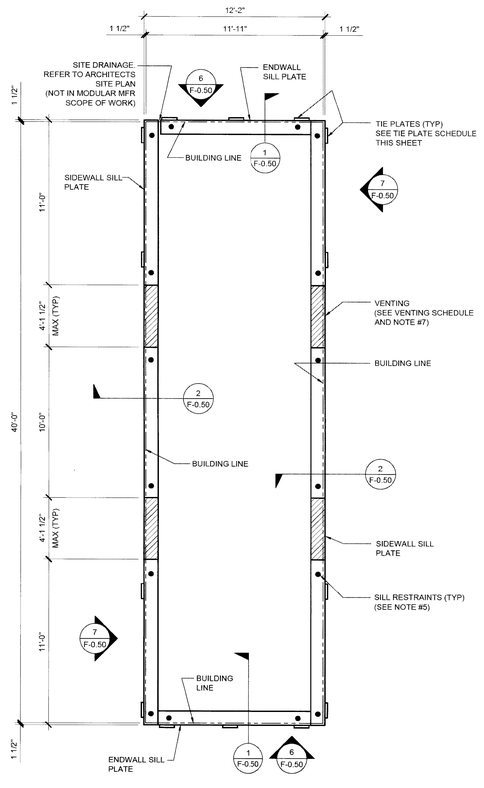
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
AR DLS SS RAF
DATE JUL - 8 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-16-2015

P.C. SHEET NUMBER
A-6.01



NOTE:
MINIMUM FOUNDATION HEIGHT TO BE 18" IF THE BUILDING CARRIES UNDER FLOOR PLUMBING (MANIFOLDS)

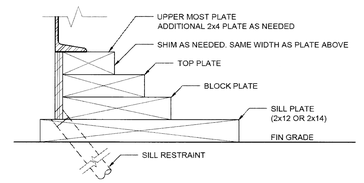
FOUNDATION PLAN — SCALE: 1/4" = 1'-0" — 1

WOOD FOUNDATION PLATE SCHEDULE

50 + 15 PSF

PLATES	END WALL	SIDE WALL	
ADDITIONAL (AS NEEDED)	2x4	2x4	
TOP	2x6	2x6	
BLOCK	2x8 SEE NOTE #10	2x8	
SILL	2x12 SEE NOTE #10	2x12	

FOUNDATION PLATE DESCRIPTION



NOTES

1. BUILDINGS OVER 2160 SF. MUST BE INSTALLED ON A PERMANENT CONCRETE FOUNDATION PER IR 16-1 ITEM 1.4.
2. FOUNDATION PLAN HAS A 1/4" ADDED AT EACH MODULE LINE AND DOES NOT MATCH THE FLOOR PLAN. ADDITIONAL LENGTH ADDED FOR GROWTH THAT IS EXPERIENCED WHEN SETTING MULTIPLE MODULAR FLOORS.
3. FOUNDATION VENTS THAT OCCUR UNDER RAMP LANDINGS, PROVIDE AN EQUAL AREA OF SCREENED VENT IN LANDING SKIRT.
4. WOOD SILL (FOOTING) PLATES SHALL BE PRESSURE TREATED HEM-FIR AND MAY BEAR DIRECTLY ON SOIL OR PAVED SURFACE. GRASS OR TURF SHALL BE CLEARED TO BARE SOIL UNDER THE ENTIRE AREA OF THE BUILDING BY OTHERS. THE WOOD SILL FOOTING PLATE MAY SUPPORT CONTINUOUS BLOCKING AND SHEATHING SKIRT WHICH NEED NOT BE TREATED.
5. SILL RESTRAINT:
   THE FOUNDATION SHALL BE DESIGNED TO PREVENT SLIDING ON THE SUPPORTING SURFACE BY ATTACHING THE WOOD FOUNDATION PLATES FOR THE BUILDING, RAMPS AND STAIRS TO THE GROUND WITH RESTRAINING DEVICES. AN ACCEPTABLE DESIGN WOULD INCORPORATE ONE-INCH DIAMETER STANDARD WEIGHT (1.315" ACTUAL O.D.) HOT DIPPED GALVANIZED PIPES OR ONE-INCH DIAMETER SOLID STEEL RODS SPACED AT NOT MORE THAN 10'-0" O.C. ONE PIPE / ROD SHALL BE LOCATED A MAXIMUM OF TWO FEET FROM EACH CORNER IN BOTH DIRECTIONS AND A MINIMUM OF TWO PIPES / RODS PER DISCONTINUOUS FOUNDATIONS STRIP. PIPES SHOULD PENETRATE INTO SOIL CONCRETE, AND/OR PAVING A MINIMUM OF 12" MEASURED VERTICALLY. ALTERNATE OR EQUIVALENT DESIGNS, WHEN PROVIDED WITH STRUCTURAL CALCULATIONS AND DETAILS, WILL BE SUBMITTED TO DSA FOR REVIEW AND APPROVAL.
6. STACKED WOOD MEMBERS FOR FOUNDATIONS AND PRESSURE TREATED LUMBER SHALL BE NAILED WITH HOT DIPPED GALVANIZED PER ASTM A-153
7. VENTILATION OPENINGS SHALL BE COVERED FOR EITHER HEIGHT AND WIDTH WITH CORROSION - RESISTANT WIRE MESH, WITH A CLEAR "THROUGH" DIMENSION NOT EXCEEDING 1/8" ACTING AS A VERMIN BARRIER.
8. VENTING CALCULATION REQUIREMENTS FOR MULTIPLE BUILDING SETS MUST BE CALCULATED WITH OVERALL SQUARE FOOTAGE INCLUDING SEPARATION.
9. FOR FOUNDATION ANCHORAGE ON CONCRETE PAD, SEE DETAIL 15/F0.50
10. IF OPTIONAL ENDWALL VENTS ARE APPLIED, SILL PLATE AND BLOCK PLATE MUST BE CONTINUOUS. VENT OPENINGS SHALL BE BROKEN ABOVE THE BLOCK PLATE
11. FOR FOUNDATION SPLICE - SEE 5/F-0.50
12. CRAWLSPACE VAPOR RETARDERS (OPTIONAL):
    THE OPTIONAL TOTAL AREA OF VENTILATION OPENINGS IS PERMITTED TO BE REDUCED TO 1/1500 FACTOR WITH AN APPROVED VAPOR RETARDER MATERIAL PER CBC SECTION 1203.3.2(2).
    MATERIALS:
    GROUND SURFACE COVERED WITH AN APPROVED VAPOR RETARDER MATERIAL; MUST HAVE A PERM RATING OF ONE OR LESS; SHOULD BE CONTINUOUS; POLYETHELYNE FILM (≥ 6 MIL), POOL LINER (PUNCTURE RESISTANT); AND POLYETHELYNE FILM WITH RAT SLAB.
    INSTALLATION RECOMMENDATIONS:
    OVERLAP JOINTS BY 6 INCHES, TAPE OR SEAL ALL JOINTS; ATTACH VAPOR RETARDER OVER SILL PLATE PER 10/F0.50; SEAL TO ALL PIERS AND OTHER PENETRATIONS.
13. ENDWALL VENTS (IF REQ'D) SHALL BE LOCATED A MIN OF 24" FROM BUILDING CORNERS. MAXIMUM ONE ENDWALL VENT PER 12'-0" MODULE
14. CONCRETE FLOOR LOAD IS INCLUDED IN THE CONCRETE FOUNDATION OPTION FOR FOUNDATION & ANCHORAGE DESIGN, I.E. THERE IS NO CONCRETE FLOOR FOR WOOD FOUNDATION OPTION. THERE IS CONCRETE FLOOR FOR CONCRETE FOUNDATION OPTION
15. IF PARAPET IS HIGHER THAN 18". COMBINATION REQUIRES A 2 X 14" OR 2 X 16" SILL PLATE @ EXTERIOR OF BUILDING
16. 150 PSF FLOOR LIVE LOAD OPTION CANNOT BE USED WITH THE STUCCO WALL OPTION
17. VENTS AT MODLINE FOUNDATIONS. THE MINIMUM CRITERIA REQUIREMENT AS FOLLOWS:
    A. VENTS HAVE A MINIMUM OF 2 SILL /BLOCKING PLATES BENEATH.
    B. VENTS ARE A MAXIMUM OF 6" LONG x 3" MIN. HIGH.
    C. VENTS ARE SPACED A MINIMUM OF 8" APART (EDGE TO EDGE) AND 24" MIN. FROM CORNERS.

NAILING SCHEDULE

BUILDING SIZE	(2) 16d BOX NAILS PLATE TO PLATE ATTACHMENT BELOW UPPER MOST PLATE
12' x 40'	6" OC AT ENDWALL - 1 / F-0.50 12" OC AT SIDEWALL - 2 / F-0.50

VENTING SCHEDULE

BUILDING SIZE	BUILDING AREA	REQUIRED VENTING	SIDE VENTING	TOTAL VENTING SUPPLIED
12' x 40'	480 SF	3.2 SF (1/150)	4.125' x 3" = (4) 1.03 SF/EA	4.12 SF SEE NOTE #8

TIE PLATE SCHEDULE (14 / F-0.50)

BUILDING SIZE	SIDE WALL TIE PLATES	END WALL TIE PLATES	TOTAL NUMBER OF TIE PLATES
12' x 40'	4	3	14

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:
WOOD
FOUNDATION PLAN
12x40
(50 + 15 PSF)

TAVARES ASSOCIATES
STRUCTURAL ENGINEERING • PROJECT MANAGEMENT
LICENSED ARCHITECT — C-33467 — REN 01-31-2015 — STATE OF CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER — No. S3380 — STRUCTURAL — STATE OF CALIFORNIA
6-25-2014

ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE 2013 CBC
1 ADVANCE PROJECT APPLICATION
2 CONSTRUCTION APPLICATION

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
AC ____ ELS ____ SS RAF
DATE JUL - 8 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-16-2015

P.C. SHEET NUMBER
F-0.02
- - HIGH SEISMIC - -

NOT USED 16

NOT USED 17

NOT USED 18

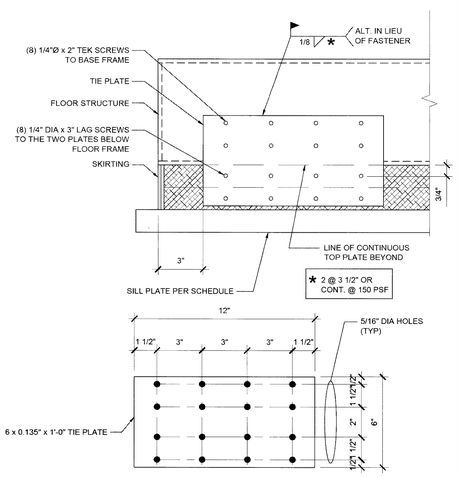
NOT USED 19

NOT USED 20

NOT USED 11

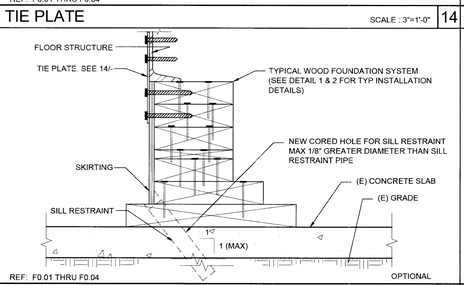
REF: F0.01 THRU F0.04

END WALL VENT SCALE : 1 1/2"=1'-0" 12



REF: F0.01 THRU F0.04

TIE PLATE SCALE : 3"=1'-0" 14



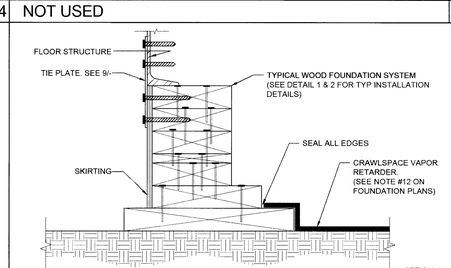
REF: F0.01 THRU F0.04 OPTIONAL

FOUNDATION ANCHORAGE AT CONCRETE PAD SCALE : 3"=1'-0" 15

NOTE:
MINIMUM FOUNDATION HEIGHT TO BE 18" IF THE BUILDING CARRIES UNDER FLOOR PLUMBING (MANIFOLDS)

NOT USED 8

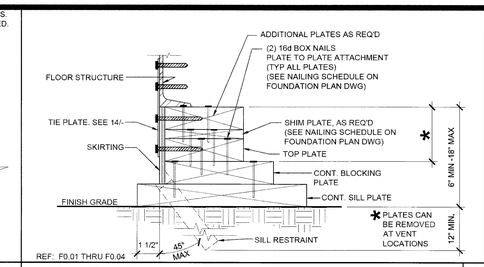
NOT USED 9



REF: F0.01 THRU F0.04 OPTIONAL

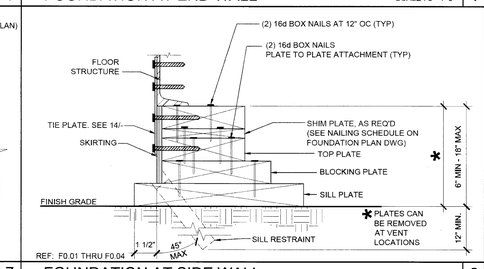
CRAWLSPACE VAPOR RETARDER SCALE : 3"=1'-0" 10

NOT USED 1



REF: F0.01 THRU F0.04

FOUNDATION AT END WALL SCALE : 3"=1'-0" 1

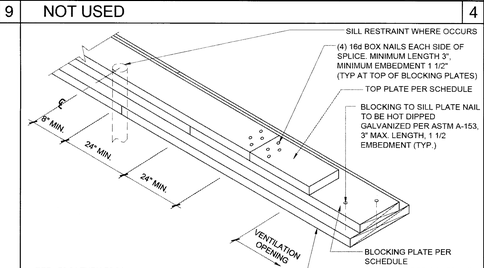


REF: F0.01 THRU F0.04

FOUNDATION AT SIDE WALL SCALE : 3"=1'-0" 2

NOT USED 3

NOT USED 4



REF: F0.01 THRU F0.04

FOUNDATION SPLICE SCALE : NTS 5

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:
FOUNDATION DETAILS
WOOD

TAVARES ASSOCIATES
STRUCTURAL ENGINEERING CONSULTANTS
LARRY M. REYNOLDS 1/2, SUITE 203
SAN DIEGO, CA 92127 858.946.2284
www.tavares.com

LICENSED ARCHITECT C-33467 REN 01-31-2015 STATE OF CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER No. S3380 STRUCTURAL STATE OF CALIFORNIA
6-25-2014

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE 2013 CBC
ASSIGNED TO PROJECT APPLICATION & PLAN REVIEW ENGINEER

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
AC ___ FLS ___ SS RAF
DATE JUL - 8 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-16-2015

P.C. SHEET NUMBER
F-0.50
- - HIGH SEISMIC - -

STRUCTURAL SPECIFICATIONS

FOUNDATIONS:

GEOTECHNICAL INVESTIGATIONS SHALL BE CONDUCTED IN ACCORDANCE WITH SECTIONS 1803A.3 THROUGH 1803A.8. EXCEPTIONS, 1) GEOTECHNICAL REPORTS ARE NOT REQUIRED FOR ONE-STORY, WOOD-FRAME AND LIGHT-STEEL-FRAME BUILDINGS OF TYPE II OR TYPE V CONSTRUCTION AND 4,000 SQUARE FEET OR LESS IN FLOOR AREA, NOT LOCATED WITHIN EARTHQUAKE FAULT ZONES OR SEISMIC HAZARD ZONES AS SHOWN IN THE MOST RECENTLY PUBLISHED MAPS FROM THE CALIFORNIA GEOLOGICAL SURVEY (CGS) OR IN SEISMIC HAZARD ZONES AS DEFINED IN THE SAFETY ELEMENT OF THE LOCAL GENERAL PLAN, 2) A PREVIOUS REPORT FOR A SPECIFIC SITE MAY BE RESUBMITTED, PROVIDED THAT A REEVALUATION IS MADE AND THE REPORT IS FOUND TO BE CURRENTLY APPROPRIATE. ALLOWABLE FOUNDATION AND LATERAL SOIL PRESSURE VALUES MAY BE DETERMINED FROM TABLE 1806A.2 PER CBC SECTION 1803A.2

CONCRETE

PROVIDE NECESSARY SHIMS ON FOOTINGS NOT LEVEL WITHIN THE 1/2" ALLOWABLE TOLERANCE. THE DISTRICT SHALL PROVIDE CLEAR AND UNOBSTRUCTED ACCESS TO THE SITE. THE DISTRICT IS RESPONSIBLE FOR ALL SURVEYING, STAKING THE BUILDING CORNERS, SETTING THE FINISH FLOOR ELEVATION, RIGGING, CRANING, EXCAVATION, SPOIL REMOVAL, AND BACKFILL.

THE FOUNDATION AND THE METHOD OF FASTENING THE UNITS SHALL BE AS SHOWN ON DRAWINGS WHERE APPLICABLE. HIGH STRENGTH GROUT SHALL BE EMBECO 885 NON-SHRINK, METALLIC AGGREGATE GROUT OR A DSA APPROVED EQUAL.

THE DESIGN OF CONRETE FOUNDATIONS WILL BE AS FOLLOWS:

1. FURNISH AND INSTALL ALL CONCRETE WORK AS SHOWN ON THE DRAWINGS AND AS SPECIFIED.
2. EXCEPT AS MODIFIED BY THE REQUIREMENTS SPECIFIED HEREIN AND / OR THE DETAILS ON THE DRAWINGS, ALL WORK INCLUDED IN THIS SECTION SHALL CONFORM TO THE APPLICABLE PROVISIONS OF CODES AND STANDARDS.
   a) ALL WORK AND MATERIALS SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS, CHAPTER 19A.
   b) AMERICAN CONCRETE INSTITUTE (ACI): BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI318-11.
   c) SOCIETY FOR TESTING AND MATERIALS (ASTM): THE SPECIFICATIONS AND STANDARDS HEREINAFTER REFERENCED TO SHALL BE OF THE LATEST EDITION.
3. CONCRETE FOUNDATION TESTS AND INSPECTIONS SHALL BE THE RESPONSIBILITY OF THE ARCHITECT AND OR INSPECTOR.
4. DESIGN MIXES SHALL BE AS SPECIFIED IN TITLE 24. CONCRETE STRENGTH AT 28 DAYS SHALL BE AS FOLLOWS: (UNLESS REQUIRED OTHERWISE PER ACI 318-11 TABLE 4.3.1).
   CONCRETE COMPRESSIVE STRENGTH F'C= 3500 PSI
   WATER-CEMENT RATIO SHALL NOT EXCEED 0.60 BY WEIGHT
   PORTLAND CEMENT TYPE I
   NORMAL WEIGHT
5. FORMS SHALL BE SUBSTANTIAL, PLUMB, LEVEL, SQUARE, TRUE TO LINE, WATER TIGHT AND ACCURATE TO THE DIMENSIONS REQUIRED.
6. THE ARCHITECT SHALL APPROVE LOCATION OF:
   a) OPENINGS FOR MECHANICAL AND ELECTRICAL: PROVIDE FOR OPENINGS IN THE CONCRETE WITH THE TRADE(S) INVOLVED AND INSTALL SLEEVES AS MAY BE REQUIRED.
   b) OPENINGS FOR VENT WELLS FOR UNDER FLOOR VENTILATION: PROVIDE FOR ALL OPENINGS IN THE CONCRETE WITH THE TRADE(S) INVOLVED. INSTALL ALL SLEEVES AS MAY BE REQUIRED.
7. VARIANCE IN CONCRETE SLAB SURFACE SHALL BE NO MORE THAN 1/16" IN 10 FEET
8. ALL CEMENT SHALL BE TYPE I OR II PER ASTM C-150. (UNLESS REQUIRED OTHERWISE PER ACI 318-11 TABLE 4.3.1)
9. WATER CONTENT SHALL NOT EXCEED 7 1/4 GALLONS PER SACK OF CEMENT (UNLESS REQUIRED OTHERWISE PER ACI 318-11 TABLE 4.3.1)
10. AGGREGATE SHALL BE 3/4" TO 1 1/2" MAXIMUM SIZE BUT NOT MORE THAN 3/4" OF MINIMUM CLEAR BAR SPACING
11. ANCHOR BOLTS, DOWELS, REINFORCING STEEL, AND EMBEDDED ITEMS ARE TO BE SECURELY TIED IN PLACE BEFORE CONCRETE IS POURED "WET SETTING" IS NOT ALLOWED.
12. REFER TO ARCHITECTURAL, ELECTRICAL, AND MECHANICAL PLANS FOR SLEEVES, INSERTS CURBS, DEPRESSED AREAS, AND ETC.
13. CONCRETE MIX REQUIRED. CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGN FOR FOOTINGS TO PROFESSIONAL OF RECORD FOR APPROVAL PRIOR TO POURING CONCRETE.

1705A.3.3. WAIVER OF BATCH PLAN INSPECTION.

A. WHEN BATCH PLANT INSPECTION IS WAIVED, THE FOLLOWING REQUIREMENTS SHALL APPLY:

1. QUALIFIED TECHNICIAN OF THE TESTING LABORATORY SHALL CHECK THE FIRST BATCHING AT THE START OF DAY.
2. LICENSED WEIGHMASTER TO POSITIVELY IDENTIFY MATERIALS AS TO QUANTITY AND CERTIFY TO EACH LOAD BY A TICKET.
3. BATCH TICKETS, INCLUDING ACTUAL MATERIAL QUANTITIES AND WEIGHTS SHALL ACCOMPANY THE LOAD AND SHALL BE TRANSMITTED TO THE INSPECTOR OF RECORD BY A TRUCK DRIVER WITH LOAD IDENTIFIED THEREON. THE LOAD SHALL NOT BE PLACED WITHOUT A BATCH TICKET IDENTIFYING THE MIX. THE INSPECTOR WILL KEEP A DAILY RECORD OF PLACEMENTS, IDENTIFYING EACH TRUCK , IT'S LOAD, TIME OF RECEIPT AND APPROXIMATE LOCATION OF DEPOSIT IN THE STRUCTURE AND WILL TRANSMIT A COPY OF THE DAILY RECORD TO THE ENFORCEMENT AGENCY.

REINFORCING STEEL:

1. MATERIAL: ALL REINFORCING STEEL SHALL BE BILLET STEEL PER ASTM A-615 MIN. GRADE 40. EXCEPT #3 ANCHOR REINFORCEMENT SHALL BE GRADE 60.
2. SPLICES: ALL SPLICES SHALL BE LAPPED A MINIMUM 48" #5 BARS AND 30" #4 BARS UNLESS OTHERWISE DETAILED.
3. REINFORCING FABRICATION AND PLACEMENT: FABRICATION AND PLACING OF REINFORCING SHALL CONFORM TO THE "CODE OF STANDARD PRACTICE AND SPECIFICATIONS FOR PLACING REINFORCEMENT OF THE CONCRETE REINFORCING STEEL INSTITUTE".
4. MINIMUM COVERAGE: ALL REINFORCING SHALL HAVE THE FOLLOWING MINIMUM COVERAGE WITH CONCRETE:

LOCATION	AMOUNT
FORMED EARTH	2"
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
WALL-EXPOSED FACE	
#5 OR SMALLER	2"
#6 OR LARGER	2"
WALL-UNEXPOSED FACE	3/4"

STRUCTURAL STEEL:

1. ALL STRUCTURAL STEEL OTHER THAN TUBE AND PIPE COLUMNS SHALL CONFORM TO ASTM A-36.
2. TUBE COLUMNS SHALL CONFORM TO ASTM A500 GRADE B, OR A1085
3. PIPE COLUMNS SHALL CONFORM TO ASTM A501 OR ASTM A53, TYPE E OR S, GRADE B. OR A1085
4. TUBE STEEL USED FOR RAMPS & STAIRS SHALL CONFORM TO ASTM A513 GRADE MT1020 OR BETTER

STEEL FRAME BUILDING/STEEL FRAME CONSTRUCTION SHALL MEET THE MINIMUM DESIGN REQUIREMENTS OF STUD SPACING, ETC. PER LATEST EDITION OF 2013 CALIFORNIA BUILDING CODE. ALL WORK AND MATERIALS SHALL CONFORM TO THE "SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" AND "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES," AMERICAN INSTITUTE OF STEEL CONSTRUCTION: TITLE 24, CCR, AND UNIFORM BUILDING CODE. STRUCTURAL STEEL SHALL BE MADE EITHER THE OPEN-HEARTH OR ELECTRIC FURNACE PROCESS ONLY AND SHALL CONFORM TO THE "SPECIFICATION FOR STRUCTURAL STEEL" ASTM DESIGNATION A36, CURRENT EDITION.

ROOF FRAMING, FLOOR FRAMING, AND WALL FRAMING SHALL BE PER MANUFACTURER'S PC PLANS AND PER APPLICABLE CODES.

ALL STRUCTURAL MEMBERS BELOW THE SUB-FLOOR, IE, GIRDERS, JOISTS, HEADERS, BLOCKING, SHALL BE STEEL. MINIMUM JOIST SPACING SHALL BE PER PLAN.

ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE AISC STANDARD SPECIFICATIONS, THE APPLICABLE REGULATORY AGENCY AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OR LIGHT GAUGE STEEL STRUCTURAL MEMBERS. WELDING: SHALL COMPLY WITH THE PERTINENT PROVISIONS OF THE APPLICABLE REGULATORY AGENCY. ALL WELDING SHALL BE DONE BY OPERATORS WHO ARE QUALIFIED AS PRESCRIBED IN THE "QUALIFICATION PROCEDURE" OF THE AMERICAN WELDING SOCIETY TO PERFORM THE TYPE OF WORK REQUIRED.

STEEL SHALL BE COATED WITH ONE SHOP COAT OF MANUFACTURER'S STANDARD CHASSIS PAINT OR EQUAL.

BOLTS:

ALL COMMON BOLTS AND ANCHOR BOLTS SHALL CONFORM TO ASTM A-307.

STRUCTURAL WELDING: SPECIAL INSPECTOR REQUIRED

GENERAL: DURING THE WELDING OF ANY MEMBER OR CONNECTION THAT IS DESIGNED TO RESIST LOADS AND FORCES REQUIRED BY THIS CODE.

ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEMS SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FTLBS AT MINUS 20 DEGREES F AS DETERMINED BY AWS CLASSIFICATION OR MANUFACTURER CERTIFICATION.

ALL STRUCTURAL WELDING SHALL BE BY "ELECTRIC ARC PROCESS" PER AWS STANDARD CODE FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION. ALL LIGHT GAUGE STEEL (SHEET STEEL) SHALL BE WELDED PER AWS D1.3. ALL REINFORCING STEEL SHALL BE WELDED WITH LOW HYDROGEN RODS PER AWS D1.4, OR REINFORCING STEEL SHALL CONFORM TO ASTM A-706. ALL SHOP WELDED MUST BE PERFORMED BY "APPROVED" WELDERS IN A SHOP OF A LICENSED FABRICATOR. ALL FIELD WELDING SHALL BE PERFORMED BY "APPROVED" WELDERS. ELECTRODES SHALL BE E70XX FOR STRUCTURAL STEEL AND REBAR AND SHALL BE E60XX FOR LIGHT GAUGE STEEL. ★ (SEE OPTIONAL PROCESS)

THE SPECIAL INSPECTOR NEED NOT BE CONTINUOUSLY PRESENT DURING WELDING OF THE FOLLOWING ITEMS, PROVIDED THE MATERIALS, WELDING PROCEDURES AND QUALIFICATION OF WELDERS ARE VERIFIED PRIOR TO THE START OF WORK, PERIODIC INSPECTIONS ARE MADE OF WORK IN PROGRESS, AND A VISUAL INSPECTION OF ALL WELDS IS MADE PRIOR TO SHIPMENT OF SHOP WELDING.

a) FLOOR AND ROOF DECK WELDING.
b) WELDED STUDS WHEN USED FOR STRUCTURAL DIAPHRAGM OR COMPOSITE SYSTEMS.
c) WELDED SHEET STEEL FOR COLD-FRAMED STEEL FRAMING MEMBERS SUCH AS STUDS AND JOISTS WHICH ARE NOT PART OF AN ORDINARY MOMENT FRAME.
d) SINGLE PASS FILLET WELDS NOT EXCEEDING 5/16".

MATERIAL SHALL BE IDENTIFIED BY MARKING OR STAMPING THE I.D. NUMBER ON STRUCTURAL STEEL COMPONENTS BY LICENSED FABRICATION SHOP.

ALL BUTT, BEVEL, GROOVE, VEE, U AND J WELDS SHALL BE PREQUALIFIED COMPLETE PENETRATION WELDS.

FILLER MATERIAL FOR WELDING: SHIELDED METAL-ARC: AWS A5.1 OR 15.5 E70XX ELECTRODES.

HOLES IN STRUCTURAL STEEL SHALL NOT BE PERMITTED UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS.

STRUCTURAL STEEL SHALL BE THOROUGHLY CLEANED BY SCRAPING OR WIRE BRUSHING AND SHOP PRIMED.

ALL STEEL WORK, INCLUDING WELD AND CONNECTIONS EXCEPT WHERE ENTIRELY ENCASED IN CONCRETE SHALL BE GIVEN ONE COAT OF ACCEPTABLE METAL PROTECTION WELL WORKED INTO JOINTS AND OPEN SPACES.

★ OPTIONAL USE OF: FCAW PROCESS: E71T-8 FOR STRUCTURAL/REBAR (MEETS ALL CHARPY REQUIREMENTS)
E71T-11 FOR METAL DECKING

COLD-FORMED STEEL FRAMING:
STRUCTURAL LIGHT GAUGE STEEL FRAMING AND ACCESSORIES SHALL BE FABRICATED IN ACCORDANCE WITH ASTM A-1011/A GRADE AS LISTED BELOW. SEE PLAN FOR MINIMUM YIELD.
MATERIAL THICKNESS 0.120" OR LESS: ASTM A-1011/A GRADE 33 (UNO)
MATERIAL THICKNESS 0.135" : ASTM A-1011/A GRADE 40

SHEET STEEL DESIGNATION THICKNESS (INCHES)	MINIMUM DELIVERED THICKNESS (INCHES)
0.018	0.017
0.030	0.029
0.036	0.034
0.048	0.046
0.060	0.057
0.075	0.071
0.105	0.100
0.120	0.114
0.135	0.128

LIGHT GAUGE STEEL STUDS AND TRACKS SHALL COMPLY WITH ASTM A-1003 STRUCTURAL GRADE 33 TYPE H

ALL WELDING SHALL BE IN CONFORMANCE WITH AWS D1.3, "STRUCTURAL WELDING CODE - SHEET STEEL". QUALIFICATION OF WELDERS SHALL BE IN ACCORDANCE WITH AWS D1.1, CHAPTER 5, PART C, "WELDER QUALIFICATIONS".

BOLTS, SCREWS, ETC. EXPOSED TO THE EXTERIOR SHALL BE GALVANIZED

MACHINE BOLTS USED SHALL CONFORM TO SPECIFICATIONS OF ASTM STANDARD A-307.

NDT:
CJP GROOVE WELD NDT
ULTRASONIC TESTING SHALL BE PERFORMED ON 100 PERCENT OF CJP GROOVE WELDS IN MATERIALS 5/16 in. (8mm) THICK OR GREATER. ULTRASONIC TESTING IN MATERIALS LESS THAN 5/16 in. (8 mm) THICK IS NOT REQUIRED. MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25 PERCENT OF ALL BEAM-TO-COLUMN CJP GROOVE WELDS.

WOOD:

FRAMING: ALL FRAMING LUMBER SHALL BE GRADE MARKED BY AN APPROVED GRADING AGENCY AND SHALL BE OF THE FOLLOWING MINIMUM GRADES OR BETTER, PER WCLB RULES #16.
PLATES AND BLOCKING - STANDARD GRADE OR BETTER
STUDS AND HEADER = DF #2 OR BETTER

SHEATHING:
AMERICAN PLYWOOD ASSOCIATION PS-1-07. EACH SHEET SHALL BE GRADE MARKED BY THE AMERICAN PLYWOOD ASSOCIATION, AND SHALL CONFORM TO THE REQUIREMENTS OF STANDARD GRADE GROUP 1 OR BETTER GRADE STAMPED AND IDENTIFIED UNDER THE PROCEDURES AND QUALIFICATIONS SET FORTH BY PS-1-07.

1. PLYWOOD SUB FLOOR: 1 1/8" T&G UNBLOCKED PLYWOOD. PROVIDE SEAMLESS WOVEN POLYFLEX BOTTOM BOARD FOR MOISTURE PROTECTION
2. OPTIONAL PLYWOOD ROOF DECK: APA RATED 3/4" T&G OSB OR EQUIVALENT RATED SHEATHING WITH APPROVAL FROM DSA
3. EXTERIOR WALL SIDING:
   i. STANDARD: 5/8" DURATEMP OR 5/8" SMART PANEL
   ii. OPTIONAL: 5/8" MDO
   iii. OPTIONAL: 1/2" OSB OR CDX PLYWOOD FOR PLASTER/STUCCO FINISH
4. EXTERIOR WALL SIDING ATTACHMENT:
   FASTENERS USED FOR THE ATTACHMENT OF EXTERIOR WALL COVERINGS SHALL BE HOT-DIPPED GALVANIZED, MECHANICALLY DEPOSITED ZINC-COATED, STAINLESS STEEL, SILICON BRONZE OR COPPER PER CBC SECTION 2304.9.1.1

TREATED WOOD:

ALL WOOD INCLUDING WOOD SHEATHING IN CONTACT WITH CONCRETE OR MASONRY AND LOCATED LESS THAN 18" FROM EXPOSED EARTH SHALL BE "PRESERVATIVE TREATED" OR SHALL BE "NATURALLY DURABLE" MATERIAL PER (CBC SECTION 2304.11.2.2).

1. ALL ROUGH LUMBER SHALL BE DF #2 OR BETTER.
2. WOOD FASTENERS OTHER THAN SCREWS.
   ALL POWER DRIVEN FASTENERS SHALL BE HILTI FASTENERS ICC# ESR-1663 OR RAMSET POWER DRIVEN FASTENERS (ICC# ESR-1799), OR SIMPSON POWER DRIVEN FASTENERS ICC #ESR-2138, OR OTHER EQUIVALENT PRODUCTS WITH ICC REPORTS AND APPROVED BY DSA.
3. FASTENERS, INCLUDING NUTS AND WASHERS, IN CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE OF HOT-DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER PER CBC 2304.9.5.1

CONTINUOUS INSPECTION:

PROJECT INSPECTOR TO PROVIDE CONTINUOUS FIELD INSPECTION.

IN-PLANT INSPECTOR SHALL PROVIDE CONTINUOUS INSPECTION IN-PLANT

METALS, STRUCTURAL, AND MISC. STEEL:

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, AND SERVICES REQUIRED FOR STRUCTURES AND MISCELLANEOUS STEEL AS SPECIFIED AND INDICATED IN THE DRAWINGS.

MATERIALS: ALL STRUCTURAL STEEL IDENTIFICATION SHALL CONFORM WITH TITLE 24, SECTION 2203A.1.

STEEL SHAPES: ALL STRUCTURAL STEEL SHAPES SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-36, OPEN HEARTH OR E.ECTRIC FURNACE ONLY.

STEEL TUBES: ALL STRUCTURAL TUBES SHALL CONFORM TO REQUIREMENTS OF ASTM A-500 GRADE B (fy=46 KSI), ASTM A53 OR A1085 TYPICAL.

STEEL SHEETS: STEEL SHEETS FOR LIGHT GAUGE STEEL SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-1011/A, GRADE 40 U.O.N. SHEET METAL GRAVEL STOPS AND FLASHINGS SHALL BE MINIMUM 0.030 THICKNESS AND SHALL BE GALVANIZED.

ERECTION:
ALL STRUCTURAL STEEL SHALL BE ERECTED TRUE, STRAIGHT, PLUMB AND TO ITS DESIGNED LOCATION. TEMPORARY BRACING OR SHORING SHALL BE INSTALLED WHEREVER NECESSARY TO TAKE CARE OF LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED, INCLUDING ERECTION EQUIPMENT AND THE OPERATION OF SAME. CONNECTIONS SHALL BE ADEQUATE TO WITHSTAND STRESSES TO WHICH THEY ARE NORMALLY SUBJECTED. CONNECTIONS SHALL BE STEEL, EXCEPT AS OTHERWISE NOTED. FIELD CONNECTIONS SHALL BE BOLTED OR WELDED AS SHOWN ON THE DRAWINGS.

SHOP PAINT:

* EXPOSED STEEL COATED WITH ONE SHOP COAT OF PRIMER.
* NON-EXPOSED STEEL COATED WITH ON SHOP COAT OF PRIMER.
* ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS.

POWER DRIVEN FASTENERS FOR SILL PLATE, WOOD NAILERS TO STEEL COLUMNS, AND SHEET METAL TO STRUCTURAL STEEL:

ALL POWER DRIVEN FASTENERS SHALL BE HILTI FASTENERS ICC# ESR-1663, OR RAMSET POWER DRIVEN FASTENERS (ICC# ESR-1799), OR SIMPSON POWER DRIVEN FASTENERS ICC #ESR-2138. OR OTHER EQUIVALENT PRODUCTS WITH ICC REPORTS AND APPROVED BY DSA.

WOOD ROUGH CARPENTRY:

THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS AND STEPS NECESSARY TO PROTECT ALL COMPLETED, SEMI-COMPLETED, AND TEMPORARY WORK FROM COMMENCEMENT OF PROJECT TO COMPLETE. SEMI-COMPLETION OF SAME ANY PORTION OF THE WORK DAMAGED OR DISFIGURED SHALL BE SATISFACTORILY REPAIRED OR REPLACED AND THE WORK AS A WHOLE LEFT WITHOUT BLEMISH AT FINAL ACCEPTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING ALL NECESSARY MEASUREMENTS AT THE BUILDING, THE ACCURATE FITTING OF ALL WORK AND PROPER ACCOMMODATION OF OTHER TRADES.

DESCRIPTION OF WORK:
THIS SECTION INCLUDES FURNISHING OF ALL LABOR, MATERIAL, TOOLS, EQUIPMENT, TRANSPORTATION, AND FACILITIES TO COMPLETE ROUGH CARPENTRY AS INDICATED IN THE DRAWINGS AND AS SPECIFIED HEREIN.

WORKMANSHIP:
ALL WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE BEST PRACTICE, SHALL BE ACCURATE AS TO MEASUREMENT ANC SHALL BE CAREFULLY DONE. PLYWOOD SHEATHING SUBFLOOR SHALL PROVIDE A SMOOTH UNIFORM SURFACE CAPABLE PROPERLY ACCEPTING A CARPET FINISH.

ROOF DIAPHRAGM:
3/4" T&G APA RATED SHEATHING - STRUCTURE 1 EXPOSURE 1
SPAN RATING 48/24 MIN.
FASTEN TO SHEET METAL SUPPORTS W/ #8 x 1 1/4" LG. SELF DRILLING SELF-TAPPING PHILLIPS FLAT-HEAD ZINC COATED TEKS SCREWS (ICC ESR-1976) ~~AT 6" OC AT EDGES, AND 12" OC FIELD NAILS. MIN. 3/8" EDGE DISTANCE FOR FASTENERS TO PLYWOOD EDGE PER CBC SECTION 2306.2. NOTE: [illegible]~~ 6" OC AT EDGES, AND 12" OC FIELD NAILS. MIN. 3/8" EDGE DISTANCE FOR FASTENERS TO PLYWOOD EDGE PER CBC SECTION 2306.2. NOTE: ~~[illegible]~~

FLOOR DIAPHRAGM:
1 1/8" PLYWOOD - STURD-I-FLOOR
EXTERIOR - TONGUE AND GROOVE EDGES
SPAN RATING: 48"
FASTEN TO SHEET METAL SUPPORTS W/ #8 - 24 x 1 3/4 LG. SELF-DRILLING, SELF-TAPPING PHILLIPS FLAT-HEAD ZINC COATED TEKS SCREWS (ICC ESR-1976) ~~[illegible]~~ AT 6" OC AT EDGES, AND 12" OC AT INTERMEDIATE SUPPORTS. MIN. 3/8" EDGE DISTANCE FOR FASTENERS TO PLYWOOD EDGE PER CBC SECTION 2306.2. ~~[illegible]~~

CONCRETE FLOOR DATA: LIGHTWEIGHT CONCRETE FLOOR
STRENGTH: 3500 PSI or 4000 PSI
TYPE: I OR II
DENSITY: 110 PCF - MAX

DIMENSION LUMBER ATTACHMENT TO STEEL FRAMING:
2 x STUDS AT CORNER STEEL COLUMNS (NAILING STUD)
USE: #10 - 24 x 2 1/2" LG. SELF-DRILLING SELF-TAPPING PHILLIPS FLAT-HEAD WITH WASHER ZINC COATED TEK SCREWS AT 24" O.C.

REFERENCE STANDARDS NOTES:

INTENT OF DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE BUILDING IN ACCORDANCE WITH THE STATE OF CALIFORNIA, CALIFORNIA CODE OF REGULATIONS, PART 1, 2, 3, 4, 5, 6, 9, AND 12, SUB-CHAPTER 1. CALIFORNIA BUILDING CODE, 2013 EDITION, MANUAL OF STEEL CONSTRUCTION, (AISC) 14TH EDITION, AMERICAN WELDING SOCIETY, STRUCTURAL WELDING CODE, AWS D1.1, AMERICAN INSTITUTE OF TIMBER CONSTRUCTION STANDARD, (AITC) 109 ARCHITECTURAL SHEET METAL MANUAL, AIA FILE NO. 12-L (SMACNA) LATEST ADOPTED EDITION UNLESS OTHERWISE NOTED.

WORKMANSHIP:
WORKMANSHIP AND MATERIALS SHALL BE SUCH THAT BUILDING WILL BE WEATHERTIGHT AND WATERTIGHT.

INSPECTIONS:
A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.

CHANGES:
CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.

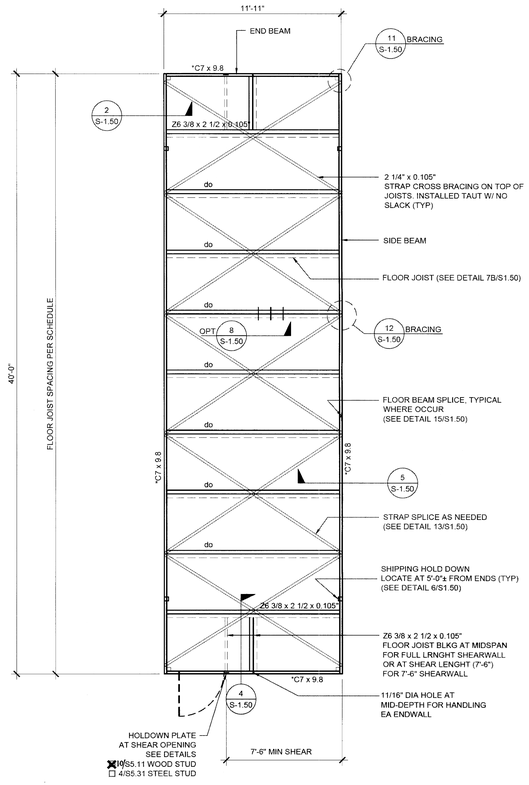
NAILING NOTES:
1. ALL NAILS SHALL BE COMMON UNLESS OTHERWISE NOTED.
2. MACHINE APPLIED 16dFASTENERS SHALL HAVE AN EMBEDMENT OF NOT LESS THAN 1 1/2" INTO THE SECOND MEMBER, AND SHALL BE NOT LESS THAN 3" IN OVERALL LENGTH. THE ABOVE NAILS SHALL ALSO BE ACCEPTABLE FOR HAND NAILING, PROVIDED THE REQUIRED EMBEDMENT IS MAINTAINED.

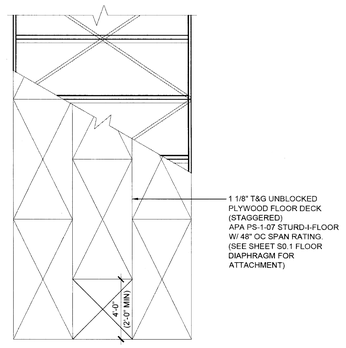
CONNECTION AND FASTENERS:
ALL CONNECTIONS AND FASTENERS AS STATED ON THESE DRAWINGS CAN BE SUBSTITUTED BY AN EQUIVALENT PRODUCT WITH ICC REPORTS AND APPROVAL BY DSA.

CONNECTION OF LAG SCREWS:
AS REQUIRED PER ANSI / AF&PA NDS-2012, LAG SCREWS MUST BE INSTALLED INTO A PRE-DRILLED PILOT HOLE WITH A STANDARD WASHER AND TURNED WITH A WRENCH. DO NOT DRIVE IN WITH A HAMMER. OVER-TORQUING CAN SIGNIFICANTLY REDUCE THE LATERAL RESISTANCE OF THE LAG SCREW AND SHOULD BE AVOIDED.

FASTENING SCHEDULE CBC - TABLE 2304.9.1

CONNECTION	FASTENING[a,m]	LOCATION
1. JOIST TO SILL OR GIRDER	3 - 8d COMMON 3 - 3" x 0.131" NAILS	TOENAIL
2. BRIDGING TO JOIST	2 - 8d COMMON (2 1/2" x .131") 2 - 3" x 0.31" NAILS	TOENAIL EACH END
3. 1" x 6" SUBFLOOR OR LESS TO EACH JOIST	2 - 8d COMMON (2 1/2" x .131")	FACE NAIL
4. WIDER THAN 1" x 6" SUBFLOOR TO EACH JOIST	3 - 8d COMMON (2 1/2" x .131")	FACE NAIL
5. 2" SUBFLOOR TO JOIST OR GIRDER	2 - 16d COMMON	BLIND AND FACE NAIL
6. SOLE PLATE TO JOIST OR BLOCKING	16d(3 1/2" x .135") AT 16" O.C. 3"x0.131" NAILS AT 8" O.C.	TYPICAL FACE NAIL
SOLE PLATE TO JOIST OR BLKING AT BRACED WALL PANEL	3 - 16d(3 1/2" x .135") AT 16" O.C. 4 - 3"x0.131" NAILS AT 16" O.C.	BRACED WALL PANELS
7. TOP PLATE TO STUD	2 - 16d COMMON (3 1/2" x 0.162") 3 - 3"x0.031" NAILS	END NAIL
8. STUD TO SOLE PLATE	4 - 8d COMMON (2 1/2"x0.131") 4 - 3"x0.131" NAILS	TOENAIL
	2 - 16d COMMON (3 1/2"x0.162") 3 - 3"x0.131" NAILS	END NAIL
9. DOUBLE STUDS	16d (3 1/2"x0.135") AT 24" O.C. 3"x0.131" NAILS AT 12" O.C.	FACE NAIL
10. DOUBLE TOP PLATES	16d (3 1/2"x0.135") AT 16" O.C. 3"x0.131" NAILS AT 12" O.C.	TYPICAL FACE NAIL
DOUBLE TOP PLATES	8 - 16d COMMON (3 1/2"x0.162") 12 - 3"x0.131" NAILS	LAP SPLICE
11. BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	3 - 8d COMMON (2 1/2"x0.131") 3 - 3"x0.131" NAILS	TOENAIL
12. RIM JOIST TO TOP PLATE	8d (2 1/2"x0.131") AT 6" O.C. 3"x0.131" NAIL AT 6" O.C.	TOENAIL
13. TOP PLATES, LAPS, AND INTERSECTIONS	2 - 16d COMMON (3 1/2"x0.162") 3 - 3"x0.131" NAILS	FACE NAIL
14. CONTINUOUS HEADER, TWO PIECES	16d COMMON (3 1/2"x0.162")	16" OC ALONG EDGE
15. CEILING JOISTS TO PLATE	3 - 8d COMMON (2 1/2"x0.131") 5 - 3"x0.131" NAILS	TOENAIL
16. CONTINUOUS HEADER TO STUD	4 - 8d COMMON (2 1/2"x0.131")	TOENAIL
17. CEILING JOISTS, LAPS OVER PARTITIONS (SEE SECTION 2308.10.4.1, TABLE 2308.10.4.1)	3 - 16d COMMON (3 1/2"x0.162") MIN TABLE 2308.10.4.1 4 - 3"x0.131" NAILS	FACE NAIL
18. CEILING JOISTS TO PARALLEL RAFTERS (SEE SECTION 2308.10.4.1, TABLE 2308.10.4.1)	3 - 16d COMMON (3 1/2"x0.162") MIN TABLE 2308.10.4.1 4 - 3"x0.131" NAILS	FACE NAIL
19. RAFTER TO PLATE (SEE SECTION 2308.10.1, TABLE 2308.10.1	3 - 8d COMMON (2 1/2"x0.131") 3 - 3"x0.131" NAILS	FACE NAIL
20. 1" DIAGONAL BRACE TO EACH STUD AND PLATE	2 - 8d COMMON (2 1/2"x0.131") 2 - 3"x0.131" NAILS	FACE NAIL
21. 1" x 8" SHEATHING TO EACH BEARING	3 - 8d COMMON (2 1/2"x0.131")	FACE NAIL
22. WIDER THAN 1" x 8" SHEATHING TO EACH BEARING	3 - 8d COMMON (2 1/2"x0.131")	FACE NAIL
23. BUILT-UP CORNER STUDS	16d COMMON (3 1/2"x0.162") 3"x0.131" NAILS	24" O.C. 16" O.C.
24. BUILT-UP GIRDER AND BEAMS	20d COMMON (4"x0.192")32" O.C. 3"x0.131" NAIL AT 24" O.C	FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES
	2 - 20d COMMON (4" x0.192") 3 - 3"x0.131" NAILS	FACE NAIL AT ENDS AND AT EACH SPLICE
25. 2" PLANKS	16d COMMON (3 1/2"x0.162")	AT EACH BEARING
26. COLLAR TIE TO RAFTER	3 - 10d COMMON (3"x0.148") 4 - 3"x0.131" NAILS	FACE NAIL
27. JACK RAFTER TO HIP	3 - 10d COMMON (3"x0.148") 4 - 3"x0.131" NAILS	TOE NAIL
	2 - 16d COMMON (3 1/2"x0.162") 3 - 3"x0.131" NAILS	FACE NAIL
28. ROOF RAFTERS TO 2-BY RIDGE BEAM	2 - 16d COMMON (3 1/2"x0.162") 3 - 3"x0.131" NAILS	TOE NAIL
	2 - 16d COMMON (3 1/2"x0.162") 3 - 3"x0.131" NAILS	FACE NAIL
29. JOIST TO BAND JOIST	3 - 16d COMMON (3 1/2"x0.162") 4 - 3"x0.131" NAILS	FACE NAIL
30. LEDGER STRIP	3 - 16d COMMON (3 1/2"x0.162") 4 - 3"x0.131" NAILS	FACE NAIL AT EACH JOIST
31. WOOD STRUCTURAL PANELS AND PARTICLEBOARD[b] SUBFLOOR, ROOF AND WALL SHEATHING (TO FRAMING)	1/2" AND LESS	6d[c,l] 2 1/2"x0.113" NAIL[e] 1 1/2" 16d GAGE[e]
	19/32" TO 3/4"	8d[d] or 6d[e] 2 1/2"x0.113" NAIL[e] 2" 16d GAGE[e]
	7/8" TO 1" 1 1/8" TO 1 1/





* NOTE:
FLOOR BEAMS MAY VARY, SEE COLUMN SCHEDULE
SHEET S-3.01 THRU S-3.04

FLOOR JOIST TABLE

	LIVE LOAD PSF	JOIST SPACING
☐	50	48"
☒	50 + 15	32"
☐	100	24"
☐	150	16"

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:
FLOOR FRAMING PLAN
WOOD FLOOR

TAVARES ASSOCIATES
DESIGN & CONSULTING PROJECT MGT
LORETA M. MERCHANDO DR. SUITE 105
SAN DIEGO, CA 92139 (619)463-5066
www.tavares.com

LICENSED ARCHITECT — C-33467 — REN 01-31-2015 — STATE OF CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER — No. S-3380 — STRUCTURAL — STATE OF CALIFORNIA
6-25-2014

ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
1 SET WORKING DRAWINGS
* ON CONSTRUCTION IS REQUIRED

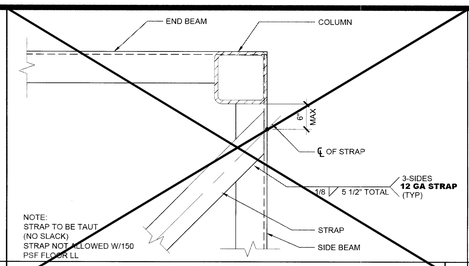
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
AC. — FLS. SS RAF
DATE JUL - 8 2015

REVISIONS
1
2
3
4
5
6
7
8

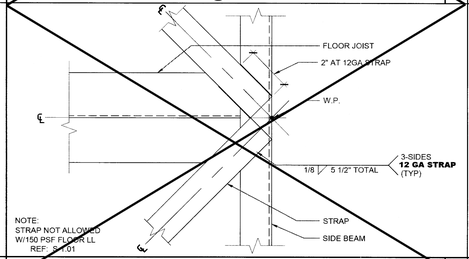
SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-16-2015

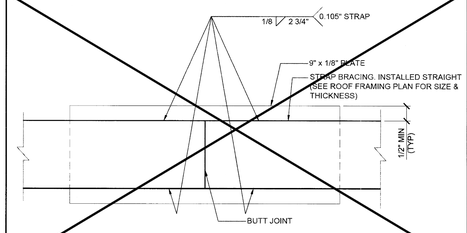
P.C. SHEET NUMBER
S-1.01
- - HIGH SEISMIC - -



16 FLOOR BRACING STRAP @ END WALL SCALE : 3"=1'-0"

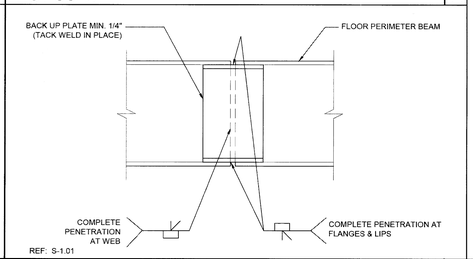


17 FLOOR BRACING STRAP @ SIDE WALL SCALE : 3"=1'-0"

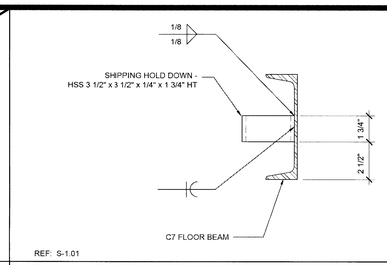


18 STRAP SPLICE DETAIL SCALE : 6" = 1'-0"

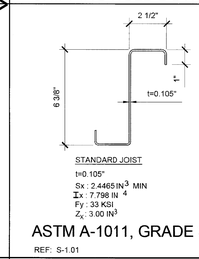
19 NOT USED



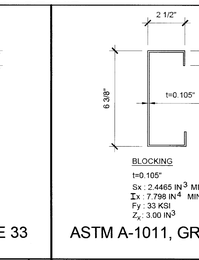
20 FLOOR BEAM SPLICE SCALE : 3" = 1'-0"



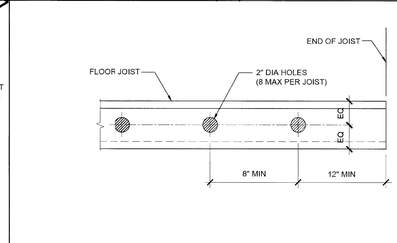
11 SHIPPING HOLD DOWN DETAIL SCALE : 3"=1'-0"



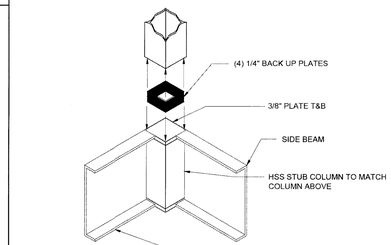
12 FLOOR JOIST SCALE : 3" = 1'-0"



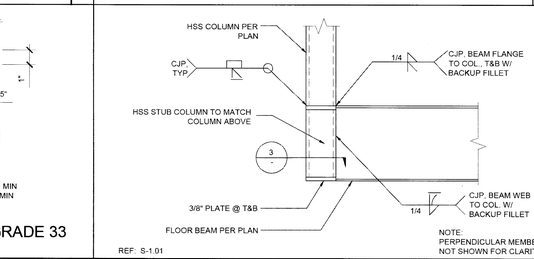
7B BLOCKING SCALE : 3" = 1'-0"



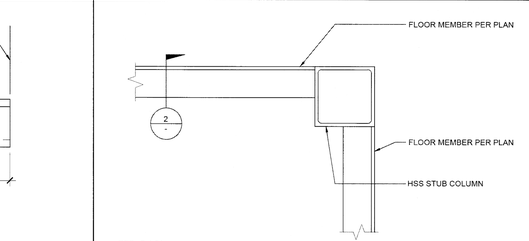
13 FLOOR JOIST HOLES (OPTIONAL) SCALE : 1/8" = 1'-0"



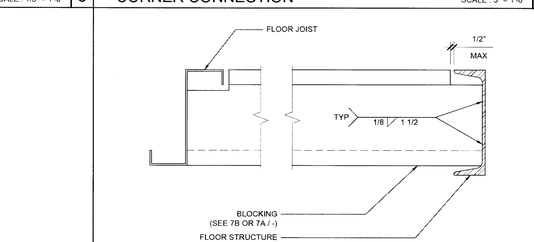
10 COLUMN CONNECTION AT FLOOR SCALE : NTS



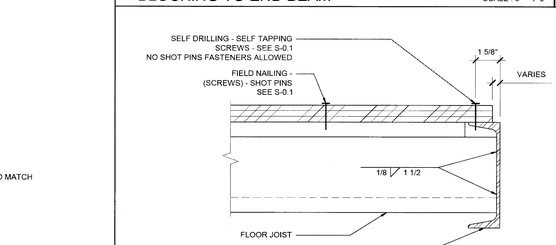
7A FLOOR BEAM TO COLUMN CONNECTION SCALE : 1 1/2" = 1'-0"



3 CORNER CONNECTION SCALE : 3" = 1'-0"



4 BLOCKING TO END BEAM SCALE : 3" = 1'-0"



5 JOIST TO SIDE BEAM SCALE : 3" = 1'-0"

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

PALOMAR COLLEGE EDUCATION CTR
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:

FLOOR FRAMING DETAILS
WOOD FLOOR

TAVARES ASSOCIATES
STRUCTURAL ENGINEERING CONSULTANTS
16870 W. BERNARDO DR., SUITE 205
San Diego, CA 92127 858.668.2244
www.tavaresassoc.com

LICENSED ARCHITECT
JOHN SHIVER III
C-33467
REN 01-31-2015
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
MICHAEL D. TAVARES
No. S-3380
STRUCTURAL
STATE OF CALIFORNIA
6-25-2014

ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
1. REVIEW FOR CODE APPLICATION
FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
AC. ___ FLS. SS. RAF
DATE JUL - 8 2015

REVISIONS

1	
2	
3	
4	
5	
6	
7	
8	

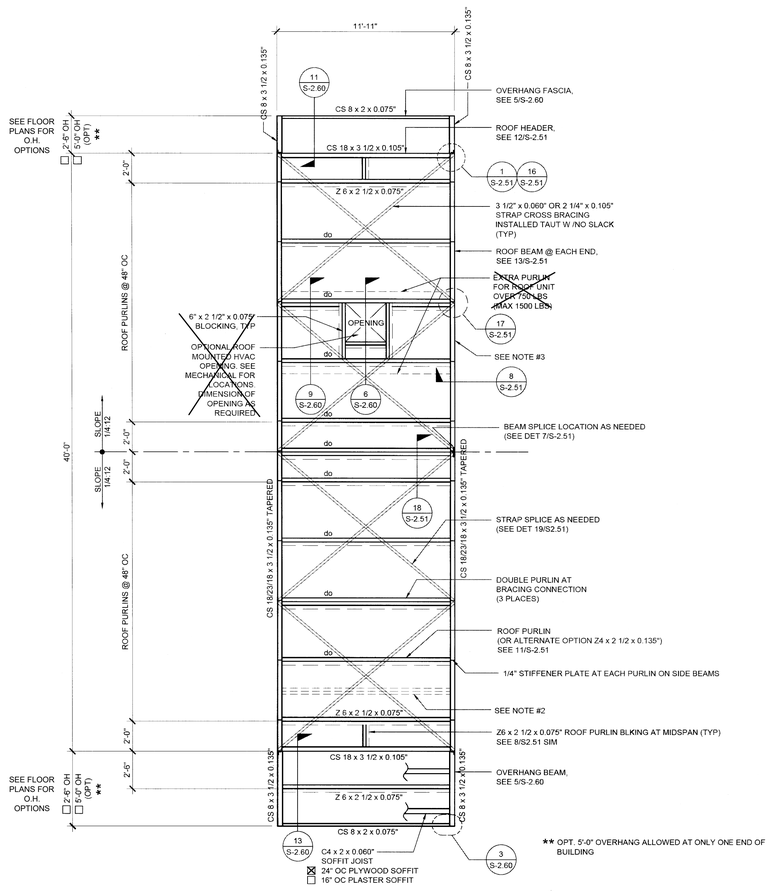
SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

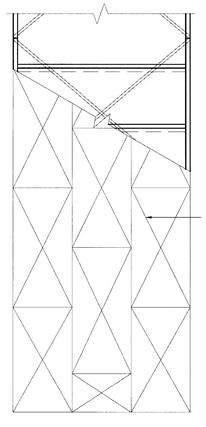
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-16-2015

P.C. SHEET NUMBER

S-1.50

- - HIGH SEISMIC - -





ROOF FRAMING PLAN

SCALE: 1/4" = 1'-0" | 1

NOTES

1. FOR WALL MOUNTED HVAC UNIT, PROVIDE OPENING THROUGH REAR ROOF HEADER WHERE IT OCCURS. SEE FLOOR PLAN FOR HVAC LOCATION. SEE 5,15 / S-2.50 OR 5,15 / S-2.51 FOR DETAILS.
2. OPTIONAL PURLIN FOR FIRE SPRINKLER LINE AS NEEDED LOCATION OF FIRE SPRINKLER PURLIN TO BE DETERMINED BY SITE STIFFENER PLATE OR ANGLE BRACE REQUIRED AT THIS LOCATION. FOR FIRE SPRINKLER LINE SIDE BEAM PENETRATION, SEE 14 / S2.50 OR 14 / S2.51 DETAILS
3. FOR OPTIONAL SIDE BEAM OPENING SEE 10, 15/S-2.50 OR 10, 15/S-2.51 FOR DETAILS.

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

PALOMAR COLLEGE EDUCATION CTR
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:

ROOF FRAMING PLAN
0.018", B.U.R, OR TPO ROOF
DUAL SLOPE

TAVARES ASSOCIATES
STRUCTURAL ENGINEERING CONSULTANTS
C-33467 REN 01-31-2015 STATE OF CALIFORNIA
No. S-3380 STRUCTURAL STATE OF CALIFORNIA
6-25-2014

ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT A SEPARATE SUBMITTAL APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
AC ___ FLS ___ SS RAF
DATE JUL 8 2015

REVISIONS

1	
2	
3	
4	
5	
6	
7	
8	

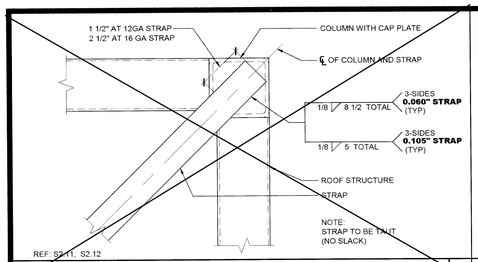
SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-16-2015

P.C. SHEET NUMBER

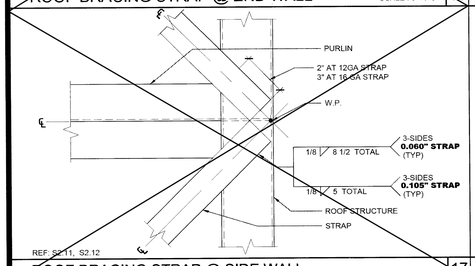
S-2.11

- - HIGH SEISMIC - -



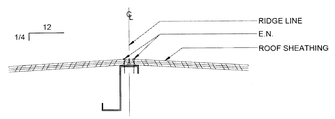
REF: S2.11, S2.12

ROOF BRACING STRAP @ END WALL — SCALE : 3"=1'-0" — 16



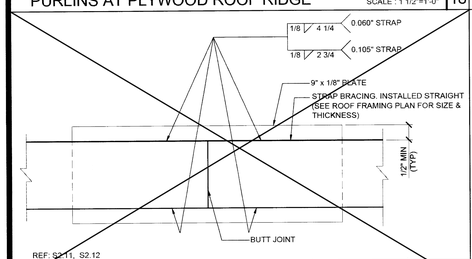
REF: S2.11, S2.12

ROOF BRACING STRAP @ SIDE WALL — SCALE : 3"=1'-0" — 17



REF: S2.11, S2.12

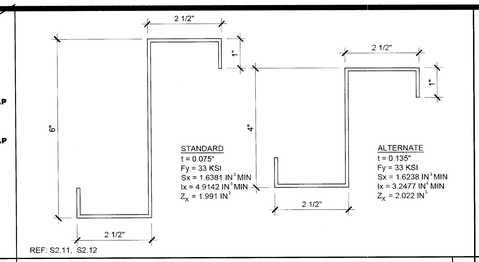
PURLINS AT PLYWOOD ROOF RIDGE — SCALE : 1 1/2"=1'-0" — 18



REF: S2.11, S2.12

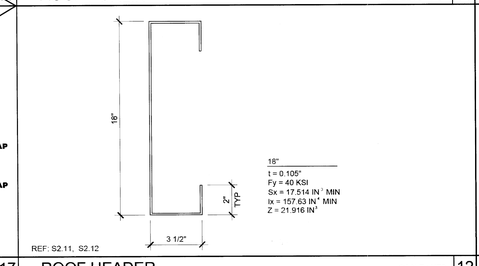
STRAP SPLICE DETAIL — SCALE : 6" = 1'-0" — 19

20



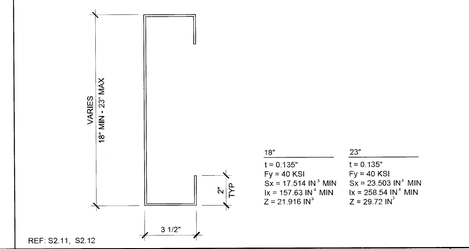
REF: S2.11, S2.12

ROOF PURLIN — SCALE : 6"=1'-0" — 11



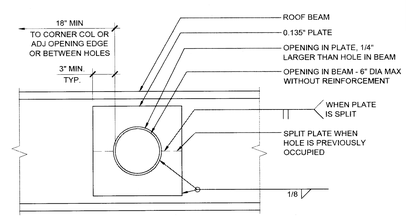
REF: S2.11, S2.12

ROOF HEADER — SCALE : NTS — 12



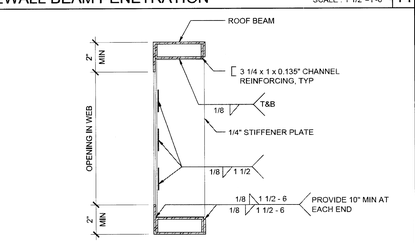
REF: S2.11, S2.12

SIDE BEAM — SCALE : NTS — 13



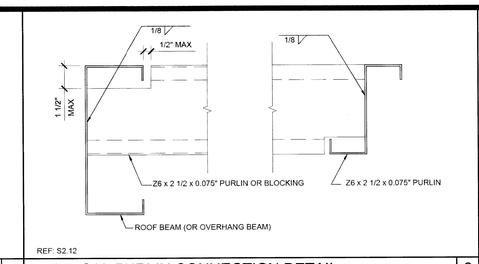
REF: S2.11, S2.12

SIDEWALL BEAM PENETRATION — SCALE : 1 1/2"=1'-0" — 14



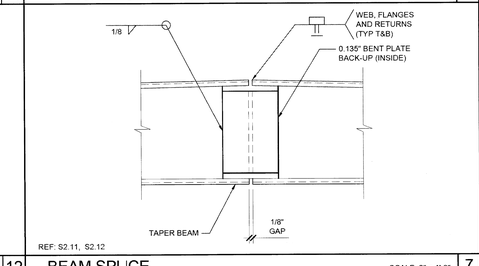
REF: S2.01, S2.02, S2.50

WEB OPENING AT ROOF HEADER — SCALE : 3" = 1'-0" — 15



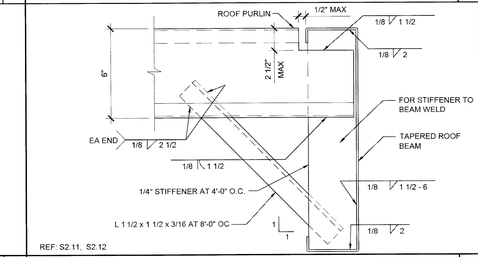
REF: S2.12

TYPICAL PURLIN CONNECTION DETAIL — SCALE : 3" = 1'-0" — 6



REF: S2.11, S2.12

BEAM SPLICE — SCALE: 3" = 1'-0" — 7

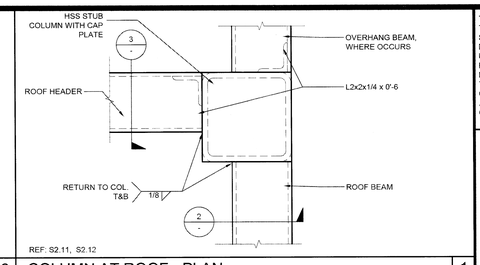


REF: S2.11, S2.12

PURLIN TO ROOF BEAM @ STIFFENER — 8

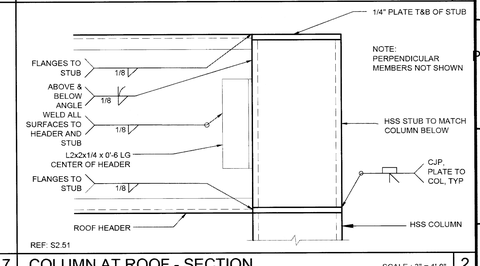
NOT USED — 9

NOT USED — 4



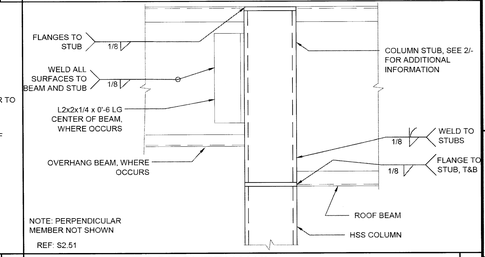
REF: S2.11, S2.12

COLUMN AT ROOF - PLAN — SCALE : 3" = 1'-0" — 1



REF: S2.51

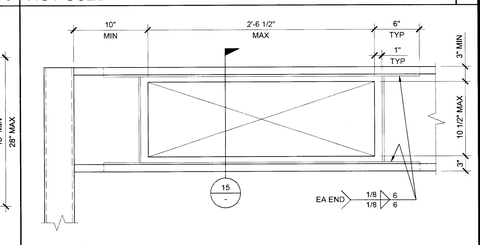
COLUMN AT ROOF - SECTION — SCALE : 3" = 1'-0" — 2



REF: S2.51

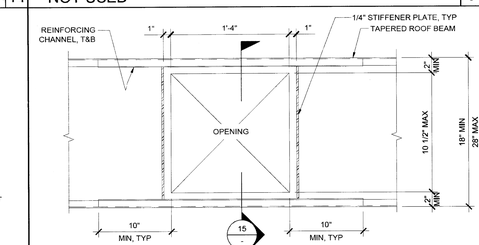
COLUMN AT ROOF OVERHANG — SCALE : 3" = 1'-0" — 3

OPENING AT ROOF BEAM (OPTION) — SCALE : 1 1/2" = 1'-0" — 10



REF: S2.11, S2.12

OPENING AT HEADER — SCALE : 1 1/2"=1'-0" — 5



REF: S2.11, S2.12

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:

ROOF FRAMING DETAILS
DUAL SLOPE

TAVARES ASSOCIATES
STRUCTURAL ENGINEERING CONSULTANTS
43975 W. RIDGEWOOD DR., SUITE 209
Palm Desert, CA 92211 760-346-2226
www.tavarestruct.com

LICENSED ARCHITECT — C-35467 — REN 01-31-2015 — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — No. S3380 — STRUCTURAL — STATE OF CALIFORNIA — 6-25-2014

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE: 2013 CBC
A SEPARATE PROJECT APPLICATION IS REQUIRED FOR SHORING

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
AC. ____ FLS. ____ SS RAF
DATE JUL - 8 2015

REVISIONS

1	
2	
3	
4	
5	
6	
7	
8	

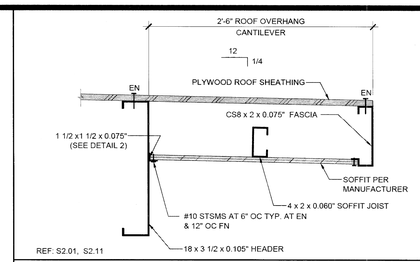
SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-16-2015

P.C. SHEET NUMBER

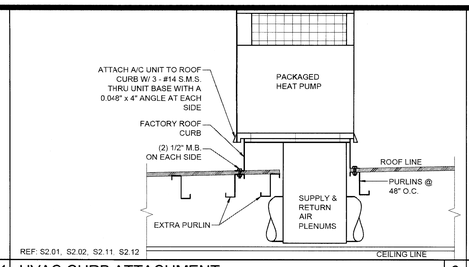
S-2.51

- - HIGH SEISMIC - -



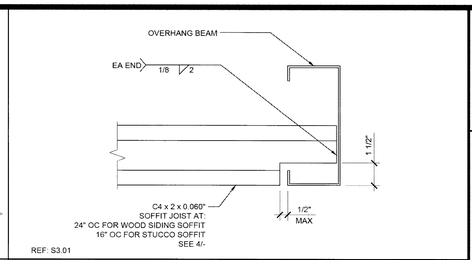
REF: S2.01, S2.11

REAR OVERHANG SECTION SCALE : 1 1/2" = 1'-0" | 11



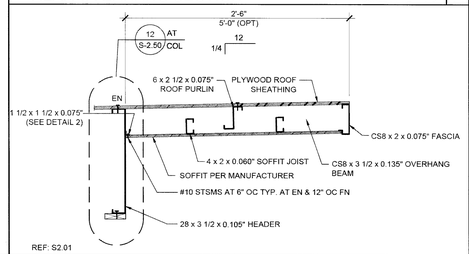
REF: S2.01, S2.02, S2.11, S2.12

HVAC CURB ATTACHMENT SCALE : 3/4" = 1'-0" | 6



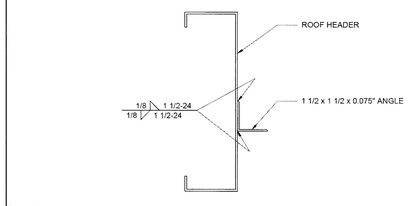
REF: S3.01

SOFFIT JOIST TO OVERHANG BEAM SCALE : 3"=1'-0" | 1



REF: S2.01

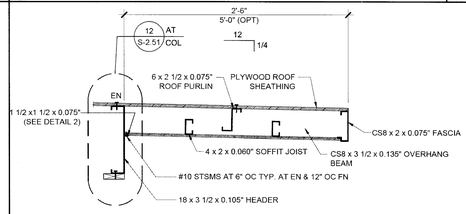
FRONT OVERHANG SECTION - MONO SLOPE SCALE: 3/4" = 1'-0" | 12



REF: S3.01

SOFFIT ANGLE TO HEADER CONNECTION SCALE : 3"=1'-0" | 2

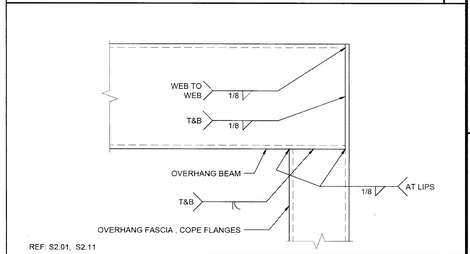
17	



REF: S2.11

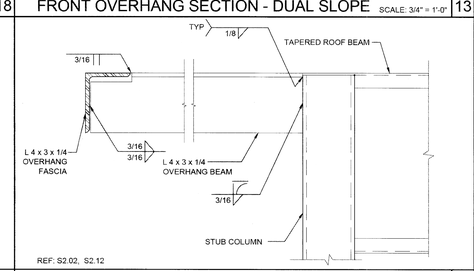
FRONT OVERHANG SECTION - DUAL SLOPE SCALE: 3/4" = 1'-0" | 13

8	



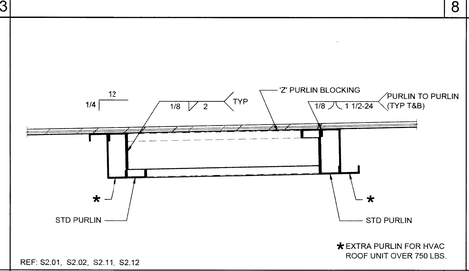
REF: S2.01, S2.11

OVERHANG FASCIA TO BEAM CONNECTION SCALE : 6"=1'-0" | 3



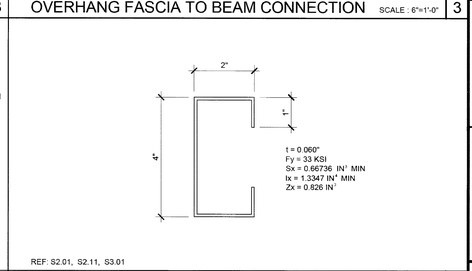
REF: S2.02, S2.12

5'-0" ROOF OVERHANG AT 0.030" ROOF SCALE : 3"=1'-0" | 14



REF: S2.01, S2.02, S2.11, S2.12

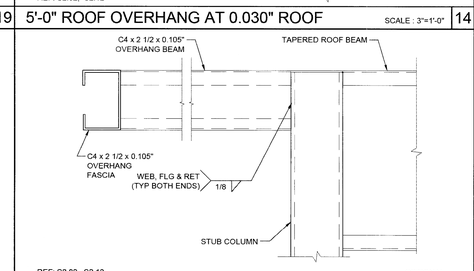
DOUBLE PURLINS AT HVAC SCALE: 1 1/2" = 1'-0" | 9



REF: S2.01, S2.11, S3.01

SOFFIT JOIST SCALE : 6"=1'-0" | 4

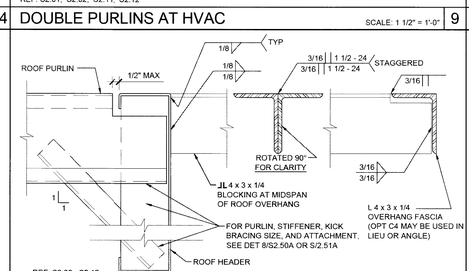
19	



REF: S2.02, S2.12

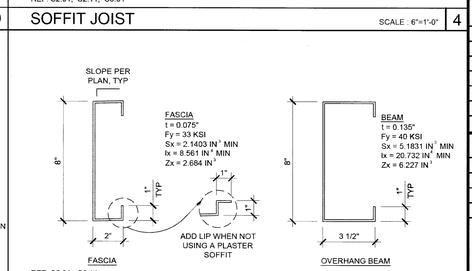
OPTIONAL

5'-0" ROOF OVERHANG AT 0.030" ROOF SCALE : 3" = 1'-0" | 15



REF: S2.02, S2.12

OVERHANG SUPPORT TO ROOF HDR @ STIFFENER SCALE : 3"=1'-0" | 10



REF: S2.01, S2.11

OVERHANG FASCIA & BEAM SCALE : 3"=1'-0" | 5

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:

ROOF FRAMING DETAILS

TAVARES ASSOCIATES
STRUCTURAL ENGINEERS & PLANNERS
16872 W. BERNARDO DR. SUITE 200,
SAN DIEGO, CA. 92127. 858.613.1344
www.tavarasinc.com

REGISTERED ARCHITECT
C-33467
REN 01-31-2015
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
RAYMOND D. TAVARES
No. S-3380
STRUCTURAL
STATE OF CALIFORNIA
6-25-2014

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
A SEPARATE BUILDING APPLICATION IS REQUIRED FOR CONSTRUCTION AS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
AC FLS SS RAF
DATE JUL - 8 2015

REVISIONS

1	
2	
3	
4	
5	
6	
7	
8	

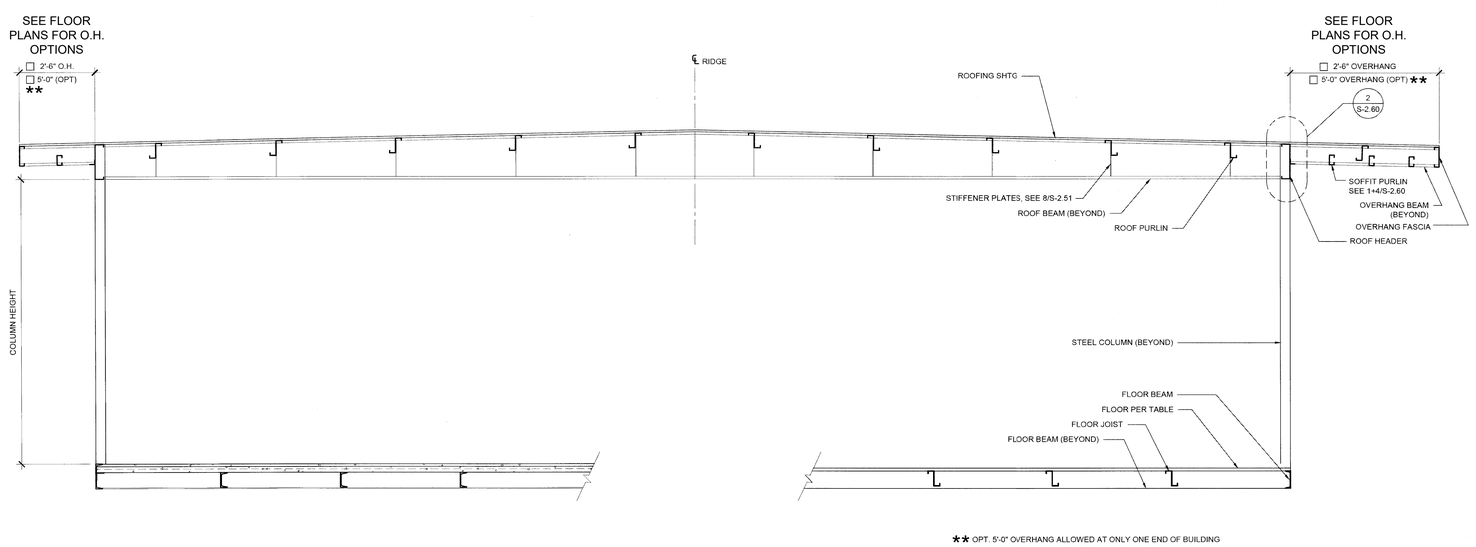
SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-16-2015

P.C. SHEET NUMBER

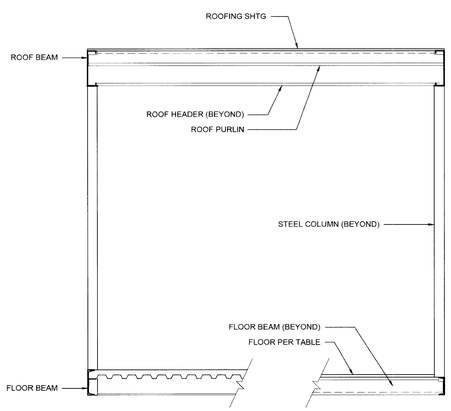
S-2.60

- - HIGH SEISMIC - -

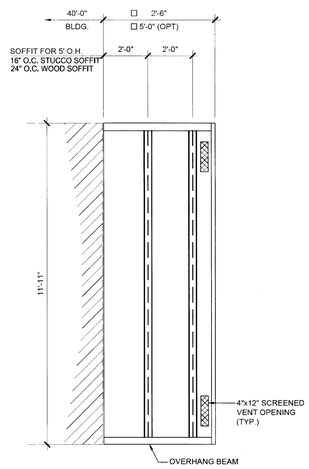


** OPT. 5'-0" OVERHANG ALLOWED AT ONLY ONE END OF BUILDING

BUILDING SECTION — SCALE: 1/2" = 1'-0" | 1



BUILDING SECTION — SCALE: 1/2" = 1'-0" | 3



ENCL. SOFFIT PLAN-OPT. — SCALE: 3/8" = 1'-0" | 2

NOTES

1. ALL INFORMATION SUCH AS DETAILS, SECTIONS, CONNECTIONS, AND MATERIAL ATTACHMENT SHALL BE REFERENCED FROM OTHER SHEETS WITHIN THIS SET WHERE IT APPLIES.

FLOOR CONSTRUCTION

- ☐ WOOD FLOOR
- ☐ CONCRETE FLOOR

HSS COLUMN SCHEDULE

COL HT	STANDARD WALL W/ METAL ROOF	STANDARD WALL W/ BUILT UP	PLASTER WALL W/ METAL ROOF OR B.U.
☒ 9'-0"	☒ 5 x 5 x 1/4	☐ 6 x 6 x 1/4	☐ 6 x 6 x 1/4
☐ 9'-6"	☐ 6 x 6 x 1/4	☐ 6 x 6 x 1/4 ★	☐ 6 x 6 x 1/4 ★
☐ 10'-0"	☐ 6 x 6 x 1/4	☐ 6 x 6 x 1/4 ★	☐ 6 x 6 x 1/4 ★
☐ 10'-6"	☐ 6 x 6 x 1/4	☐ 6 x 6 x 1/4 ★	☐ 6 x 6 x 1/4 ★

★ REQUIRES MINIMUM C8x11.5 FLOOR PERIMETER BEAM

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:

BUILDING SECTIONS
DUAL SLOPE

TAVARES ASSOCIATES
STRUCTURAL ENGINEERS
19815 W. RENARDO DR. SUITE 205
SAN DIEGUITO, CALIFORNIA 92064
www.tavares.com

LICENSED ARCHITECT — C-33467 — REN 01-31-2015 — STATE OF CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER — No. S-3380 — STRUCTURAL — STATE OF CALIFORNIA
6-25-2014

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2013 CBC
A REPRESENTATIVE OF DSA MUST BE PRESENT FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
AC. ____ FLS. ____ SS. RAC
DATE JUL - 8 2015

REVISIONS

1	
2	
3	
4	
5	
6	
7	
8	

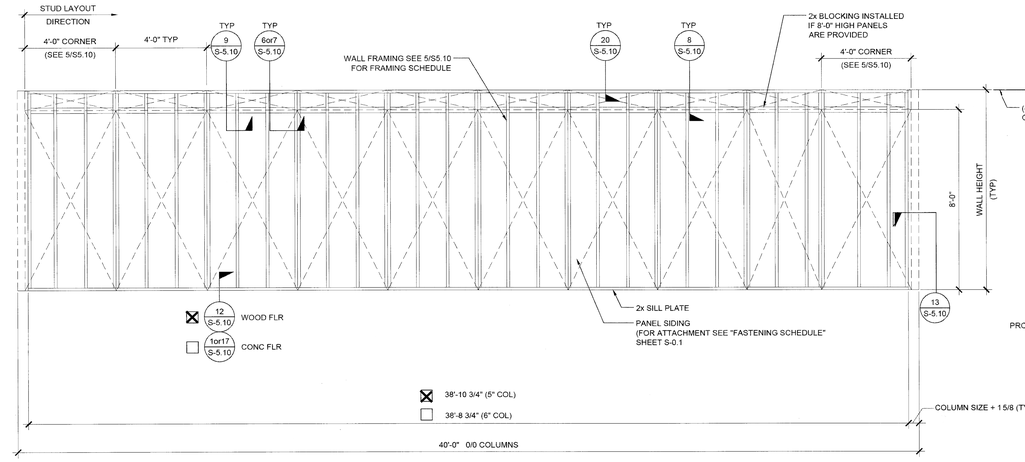
SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-16-2015

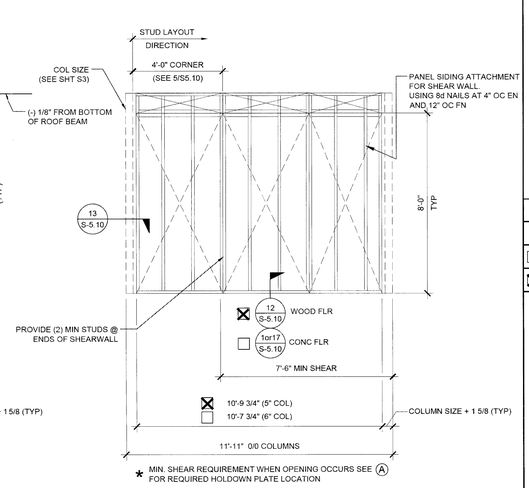
P.C. SHEET NUMBER

S-3.02

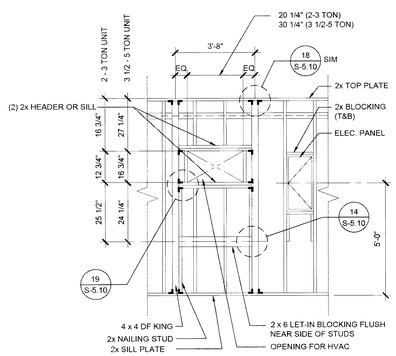
- - HIGH SEISMIC - -



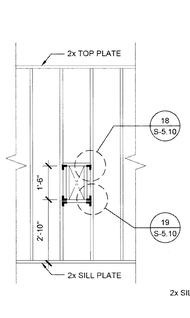
TYPICAL SIDE WALL



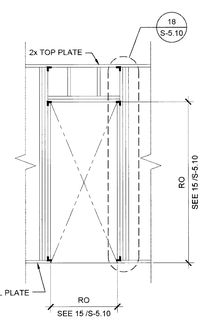
TYPICAL END WALL



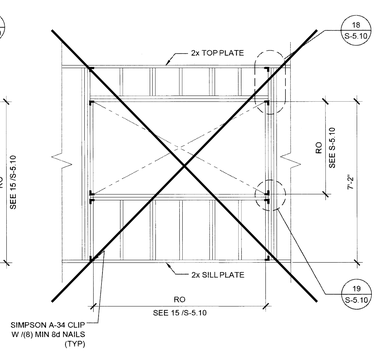
TYPICAL HVAC



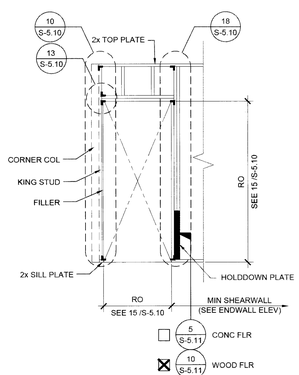
FIRE EXTINGUISHER CABINET BLOCKOUT



TYPICAL DOOR AT SIDEWALL



TYPICAL WINDOW



(A) TYPICAL DOOR OPENING AT END SHEARWALL

FRAMING ELEVATIONS

SCALE: 3/8" = 1'-0" | 1

NOTES

WALL HEIGHT SCHEDULE

COLUMN HEIGHT	☒ 9'-0"	☐ 9'-6"	☐ 10'-0"	☐ 10'-6"
☐ CONCRETE FLOOR	8'-11 7/8"	9'-5 7/8"	9'-11 7/8"	10'-5 7/8"
☒ WOOD FLOOR	8'-10 3/4"	9'-4 3/4"	9'-10 3/4"	10'-4 3/4"

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:
FRAMING ELEVATIONS
WOOD STUDS

TAVARES ASSOCIATES
STRUCTURAL ENGINEERING CONSULTANTS
LARRY M. TAVARES C-35467 REN 01-31-2015 STATE OF CALIFORNIA
MICHAEL D. PATCH No. S3380 REGISTERED PROFESSIONAL ENGINEER STRUCTURAL STATE OF CALIFORNIA
6-25-2014

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT ONLY. NOT VALID AS A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
AC FLS SS RAF
DATE JUL - 8 2015

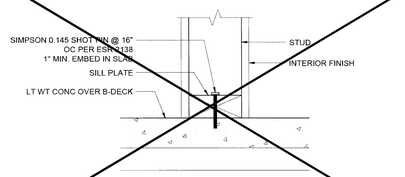
REVISIONS

1	
2	
3	
4	
5	
6	
7	
8	

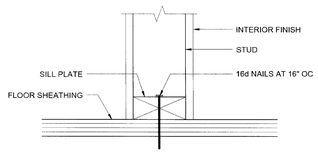
SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-16-2015

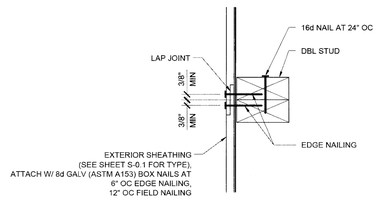
P.C. SHEET NUMBER
S-5.00
- - HIGH SEISMIC - -



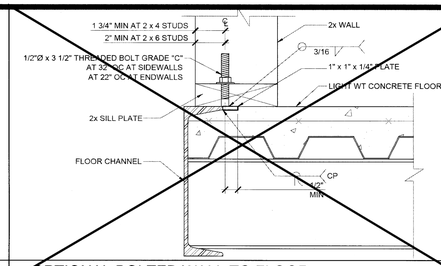
PARTITION CONNECTION AT CONC FLOOR SCALE : 3"=1'-0" 16



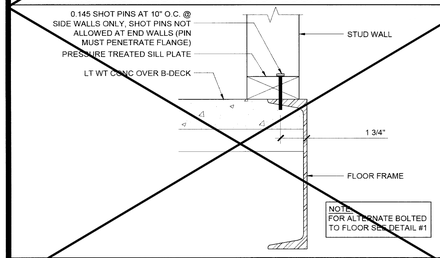
PARTITION CONNECTION AT WOOD FLOOR SCALE : 3"=1'-0" 11



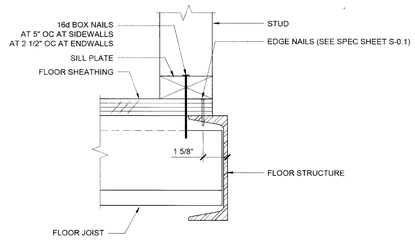
VERTICAL SHEATHING LAP JOINT SCALE : 3"=1'-0" 6



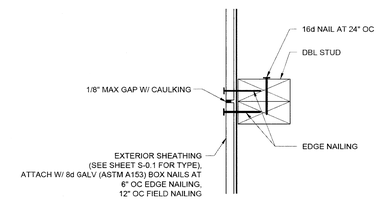
OPTIONAL BOLTED WALL TO FLOOR SCALE : NTS 1



WALL SILL AT CONCRETE FLOOR SCALE : 3"=1'-0" 17

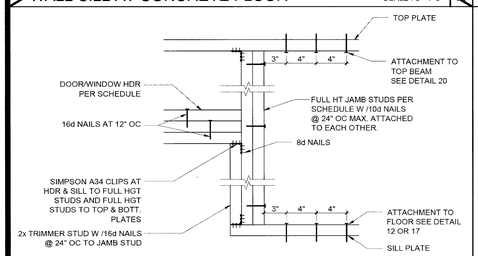


WALL SILL AT WOOD FLOOR SCALE : 3"=1'-0" 12

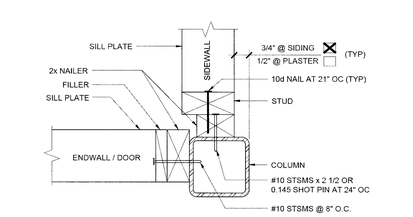


VERTICAL SHEATHING BUTT JOINT SCALE : 3"=1'-0" 7

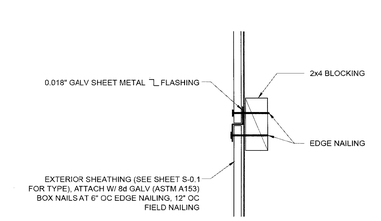
2



DOOR/WINDOW HEADER AND JAMB SCALE : 1 1/2"=1'-0" 18



COLUMN AT ENDWALL (2x4) SCALE : 3"=1'-0" 13

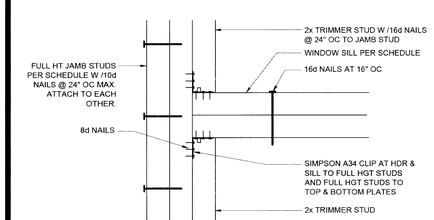


HORIZONTAL SHEATHING JOINT SCALE : 3"=1'-0" 8

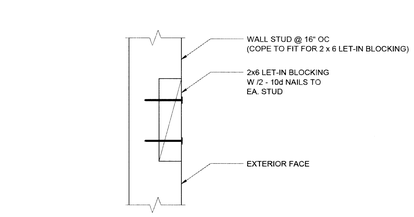
COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
LESS THAN 9'-6"	3070	NO PLASTER	(1)	2X4	HF	#2		N/A			(2)	2X4	HF	#2
		NO PLASTER (OPT)	(1)	2X4	DF	#2		N/A			(2)	2X4	DF	#2
	4070	NO PLASTER	(1)	2X4	HF	#2		N/A			(2)	2X4	HF	#2
		NO PLASTER (OPT)	(1)	2X4	DF	#2		N/A			(2)	2X4	DF	#2
	6040	NO PLASTER	(2)	2X4	HF	#2	(2)	2X4	HF	#2	(2)	2X4	HF	#2
		NO PLASTER (OPT)	(2)	2X4	DF	#2	(2)	2X4	DF	#2	(2)	2X4	DF	#2
	8040	NO PLASTER	(2)	2X4	HF	#2	(2)	2X4	HF	#2	(3)	2X4	HF	#2
		NO PLASTER (OPT)	(2)	2X4	DF	#2	(2)	2X4	DF	#2	(2)	2X4	DF	#2

COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
9'-6" TO 10'-6"	3070	NO PLASTER	(1)	2X4	HF	#2		N/A			(2)	2X4	HF	#2
		NO PLASTER (OPT)	(1)	2X4	DF	#2		N/A			(2)	2X4	DF	#2
	4070	NO PLASTER	(1)	2X4	HF	#2		N/A			(2)	2X4	HF	#2
		NO PLASTER (OPT)	(1)	2X4	DF	#2		N/A			(2)	2X4	DF	#2
	6040	NO PLASTER	(2)	2X4	HF	#2	(2)	2X4	HF	#2	(3)	2X4	HF	#2
		NO PLASTER (OPT)	(2)	2X4	DF	#2	(2)	2X4	DF	#2	(3)	2X4	DF	#2
	8040	NO PLASTER	(3)	2X4	HF	#2	(3)	2X4	HF	#2	(4)	2X4	HF	#2
		NO PLASTER (OPT)	(3)	2X4	DF	#2	(3)	2X4	DF	#2	(3)	2X4	DF	#2

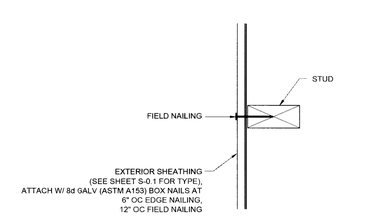
NOTE:
2X4 WALL FRAMING NOT ALLOWED WITH PLASTER WALL FINISH



WINDOW SILL AND JAMB SCALE : 3"=1'-0" 19



LET-IN BLOCK ATTACHMENT SCALE : 3"=1'-0" 14

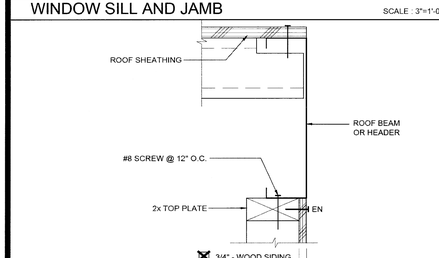


SECTION AT SHEATHING TO STUD ATTACHMENT SCALE : 3"=1'-0" 9

4

COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING					4" CORNER OF WOOD WALL FRAMING (ZONE 5)				
		NUMBER	SIZE	LUMBER	TYPE	OC	NUMBER	SIZE	LUMBER	TYPE	OC
LESS THAN 9'-6"	NO PLASTER	(1)	2X4	HF	#2	16" OC	(1)	2X4	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X4	DF	#2	16" OC	(1)	2X4	DF	#2	16" OC
9'-6" TO 10'-6"	NO PLASTER	(1)	2X4	HF	#2	16" OC	(1)	2X4	HF	#2	12" OC
	NO PLASTER (OPT)	(1)	2X4	DF	#2	16" OC	(1)	2X4	DF	#2	16" OC

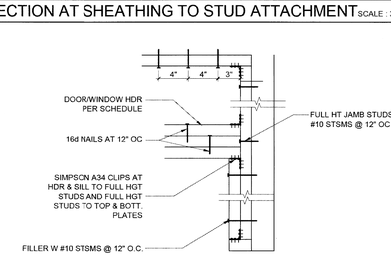
NOTE:
2X4 WALL FRAMING NOT ALLOWED WITH PLASTER WALL FINISH



TOP PLATE AT ROOF BEAM SCALE : 3" = 1'-0" 20

DOOR	WINDOW	STANDARD		WELDED FRAME	
2070		26"	85"	28 1/4"	86 1/4"
3070		38"	85"	40 1/4"	86 1/4"
4070		50"	85"	52 1/4"	86 1/4"
6070		74"	85"	76 1/4"	86 1/4"
	4040	47 3/4"	47 5/8"	52 1/4"	52 1/4"
	6040	71 3/4"	47 5/8"	76 1/4"	52 1/4"
	8040	95 3/4"	47 5/8"	100 1/4"	52 1/4"
	6020	71 3/4"	23 5/8"	76 1/4"	28 1/4"
	8020	95 3/4"	23 5/8"	100 1/4"	28 1/4"

ROUGH OPENING SCHEDULE 15



DOOR/WINDOW HEADER @ COLUMN SCALE : 1 1/2"=1'-0" 10

2x4 OPENING STUDS SCHEDULE 4

2x4 WALL FRAMING SCHEDULE 5

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:

WALL FRAMING DETAILS
WOOD STUDS

TAVARES ASSOCIATES
SEISMIC CONSULTING ENGINEERS
18875 N. BERNARDO DR. SUITE 203
SAN DIEGO, CA. 92127 858-442-0242
www.tavaresassoc.com

REGISTERED ARCHITECT STATE OF CALIFORNIA C-33467 REN 01-31-2015

REGISTERED PROFESSIONAL ENGINEER STRUCTURAL No. 53380 STATE OF CALIFORNIA

6-25-2014

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

1

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE 2013 CBC
A BUILDING PERMIT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
AC ____ PLS ____ SS RAF
DATE JUL - 8 2015

REVISIONS

1
2
3
4
5
6
7
8

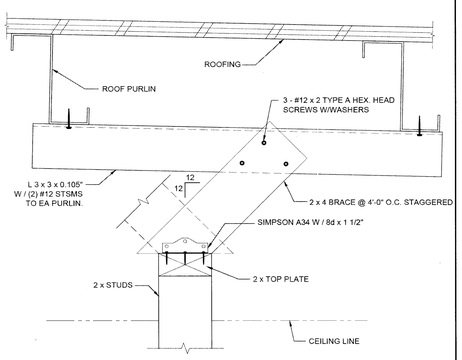
SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-16-2015

P.C. SHEET NUMBER

S-5.10

- - HIGH SEISMIC - -



INTERIOR PARTITION — SCALE : 3" = 1'-0" — 14

COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER NUMBER **	HEADER SIZE **	HEADER LUMBER	HEADER TYPE	SILL NUMBER **	SILL SIZE **	SILL LUMBER	SILL TYPE	FULL HEIGHT KING STUD NUMBER **	FULL HEIGHT KING STUD SIZE **	FULL HEIGHT KING STUD LUMBER	FULL HEIGHT KING STUD TYPE
LESS THAN 9'-6"	3070	NO PLASTER	(1)	2X6	HF	#2		N/A			(1)	2X6	HF	#2
		NO PLASTER (OPT)	(1)	2X6	DF	#2		N/A			(1)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	HF	#2		N/A			(2)	2X6	HF	#2
		W PLASTER (OPT)	(1)	2X6	DF	#2		N/A			(1)	2X6	DF	#2
	4070	NO PLASTER	(1)	2X6	HF	#2		N/A			(1)	2X6	HF	#2
		NO PLASTER (OPT)	(1)	2X6	DF	#2		N/A			(1)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	HF	#2		N/A			(2)	2X6	HF	#2
		W PLASTER (OPT)	(1)	2X6	DF	#2		N/A			(1)	2X6	DF	#2
	6040	NO PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		NO PLASTER (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(1)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		W PLASTER (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
	8040	NO PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		NO PLASTER (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
		W/ PLASTER	(2)	2X6	HF	#2	(2)	2X6	HF	#2	(2)	2X6	HF	#2
		W PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(2)	2X6	DF	#2
9'-6" TO 10'-6"	3070	NO PLASTER	(1)	2X6	HF	#2		N/A			(1)	2X6	HF	#2
		NO PLASTER (OPT)	(1)	2X6	DF	#2		N/A			(1)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	HF	#2		N/A			(2)	2X6	HF	#2
		W PLASTER (OPT)	(1)	2X6	DF	#2		N/A			(2)	2X6	DF	#2
	4070	NO PLASTER	(1)	2X6	HF	#2		N/A			(1)	2X6	HF	#2
		NO PLASTER (OPT)	(1)	2X6	DF	#2		N/A			(1)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	HF	#2		N/A			(2)	2X6	HF	#2
		W PLASTER (OPT)	(1)	2X6	DF	#2		N/A			(2)	2X6	DF	#2
	6040	NO PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		NO PLASTER (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		W PLASTER (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
	8040	NO PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		NO PLASTER (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
		W/ PLASTER	(2)	2X6	HF	#2	(2)	2X6	HF	#2	(3)	2X6	HF	#2
		W PLASTER (OPT)	(2)	2X6	DF	#2	(2)	2X6	DF	#2	(2)	2X6	DF	#2

**2x6 AND 2x8 STUD OPTIONS MAY BE SUBSTITUTED IN LIEU OF 2x4 - NUMBER OF STUDS DO NOT CHANGE AND SHALL REMAIN THE SAME AS SHOWN ON SCHEDULE. SEE DETAILS 2 OR 10/-

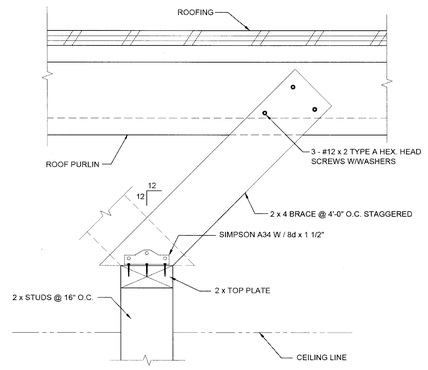
2x6 OPENING STUDS SCHEDULE — 19

COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING NUMBER **	SIZE **	LUMBER	TYPE	OC	4" CORNER OF WOOD WALL FRAMING (ZONE 5) NUMBER **	SIZE **	LUMBER	TYPE	OC
LESS THAN 9'-6"	NO PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X6	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X6	DF	#2	16" OC
	W/ PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X6	HF	#2	16" OC
	W PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X6	DF	#2	16" OC
9'-6" TO 10'-6"	NO PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X6	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X6	DF	#2	16" OC
	W/ PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X6	HF	#2	16" OC
	W PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X6	DF	#2	16" OC

**2x6 AND 2x8 STUD OPTIONS MAY BE SUBSTITUTED IN LIEU OF 2x4 - NUMBER OF STUDS DO NOT CHANGE AND SHALL REMAIN THE SAME AS SHOWN ON SCHEDULE.

NOTE: 2x6 & 2x8 SPACING MAY BE 24" O.C. OPTIONAL

2x6 WALL FRAMING SCHEDULE — 20



INTERIOR PARTITION — SCALE : 3" = 1'-0" — 12

COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER NUMBER **	HEADER SIZE **	HEADER LUMBER	HEADER TYPE	SILL NUMBER **	SILL SIZE **	SILL LUMBER	SILL TYPE	FULL HEIGHT KING STUD NUMBER **	FULL HEIGHT KING STUD SIZE **	FULL HEIGHT KING STUD LUMBER	FULL HEIGHT KING STUD TYPE
LESS THAN 9'-6"	3070	NO PLASTER	(1)	2X8	HF	#2		N/A			(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2		N/A			(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	HF	#2		N/A			(1)	2X8	HF	#2
		W PLASTER (OPT)	(1)	2X8	DF	#2		N/A			(1)	2X8	DF	#2
	4070	NO PLASTER	(1)	2X8	HF	#2		N/A			(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2		N/A			(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X6	HF	#2		N/A			(1)	2X8	HF	#2
		W PLASTER (OPT)	(1)	2X8	DF	#2		N/A			(1)	2X8	DF	#2
	6040	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X6	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		W PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
	8040	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		W PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
9'-6" TO 10'-6"	3070	NO PLASTER	(1)	2X8	HF	#2		N/A			(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2		N/A			(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	HF	#2		N/A			(1)	2X8	HF	#2
		W PLASTER (OPT)	(1)	2X8	DF	#2		N/A			(1)	2X8	DF	#2
	4070	NO PLASTER	(1)	2X8	HF	#2		N/A			(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2		N/A			(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	HF	#2		N/A			(1)	2X8	HF	#2
		W PLASTER (OPT)	(1)	2X8	DF	#2		N/A			(1)	2X8	DF	#2
	6040	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		W PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
	8040	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
		W/ PLASTER	(2)	2X8	HF	#2	(2)	2X8	HF	#2	(2)	2X8	HF	#2
		W PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2

**2x6 AND 2x8 STUD OPTIONS MAY BE SUBSTITUTED IN LIEU OF 2x4 - NUMBER OF STUDS DO NOT CHANGE AND SHALL REMAIN THE SAME AS SHOWN ON SCHEDULE. SEE DETAILS 2 OR 10/-

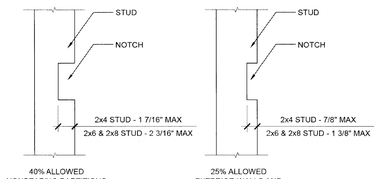
2x8 OPENING STUDS SCHEDULE — 14

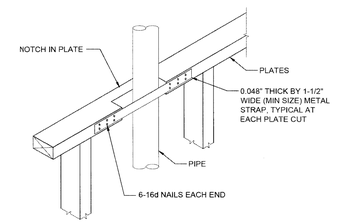
COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING NUMBER **	SIZE **	LUMBER	TYPE	OC	4" CORNER OF WOOD WALL FRAMING (ZONE 5) NUMBER **	SIZE **	LUMBER	TYPE	OC
LESS THAN 9'-6"	NO PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC
	W/ PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	W PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC
9'-6" TO 10'-6"	NO PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC
	W/ PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	W PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC

**2x6 AND 2x8 STUD OPTIONS MAY BE SUBSTITUTED IN LIEU OF 2x4 - NUMBER OF STUDS DO NOT CHANGE AND SHALL REMAIN THE SAME AS SHOWN ON SCHEDULE.

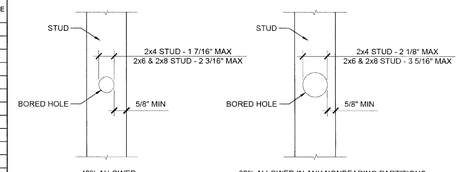
NOTE: 2x6 & 2x8 SPACING MAY BE 24" O.C. OPTIONAL

2x8 WALL FRAMING SCHEDULE — 15

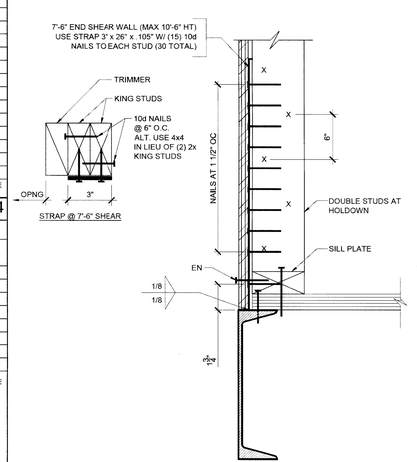




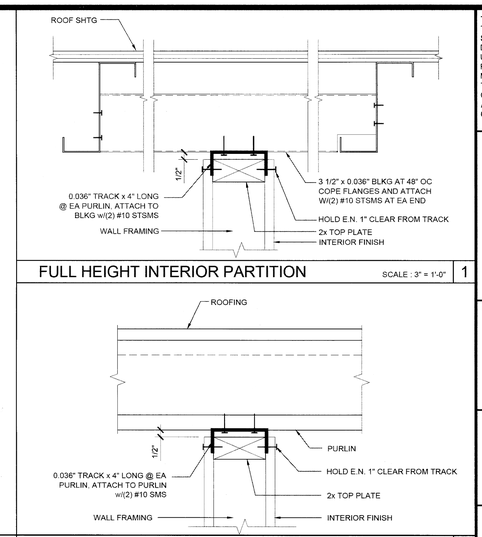
CUTTING AND NOTCHING — SCALE : 1 1/2" = 1'-0" — 7



BORED HOLES — SCALE : 1 1/2" = 1'-0" — 8



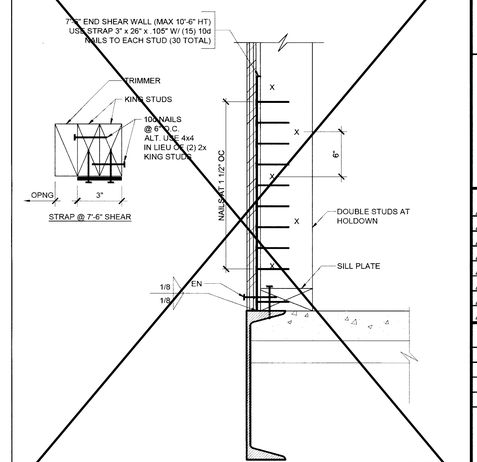
ALT. HOLD DOWN AT ENDWALL OPENING - WOOD FLOOR — 10



FULL HEIGHT INTERIOR PARTITION — SCALE : 3" = 1'-0" — 1

FULL HEIGHT INTERIOR PARTITION — SCALE : 3" = 1'-0" — 2

BORED HOLES — 3



ALT. HOLD DOWN AT ENDWALL OPENING - CONCRETE FLOOR — 5

SILVER CREEK INDUSTRIES, INC.

SILVER CREEK

Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:

WALL FRAMING DETAILS
WOOD STUDS

TAVARES ASSOCIATES
STRUCTURAL ENGINEERING CONSULTANTS
LISTED IN: SEE WHITO, FL, ALASKA, TEXAS
New Orleans, LA 504.834.7244
www.tavares.com

LICENSED ARCHITECT — C-33467 — REN 01-31-2015 — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — No. 53380 — STRUCTURAL — STATE OF CALIFORNIA

6-25-2014

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE 2013 CBC
A SEPARATE PROJECT APPLICATION & CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
AC___ FLS___ SS RAF
DATE JUL - 8 2015

REVISIONS

1	
2	
3	
4	
5	
6	
7	
8	

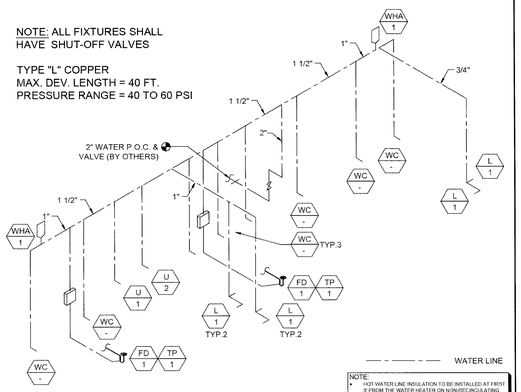
SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-16-2015

P.C. SHEET NUMBER

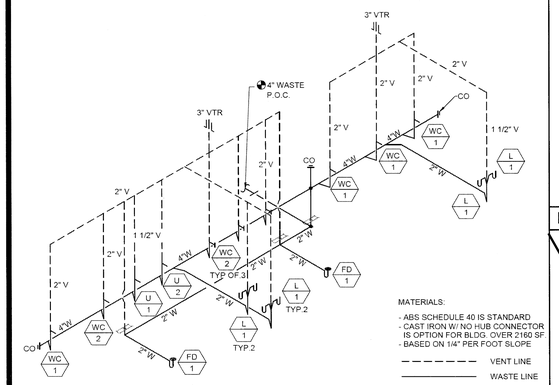
S-5.11

- - HIGH SEISMIC - -



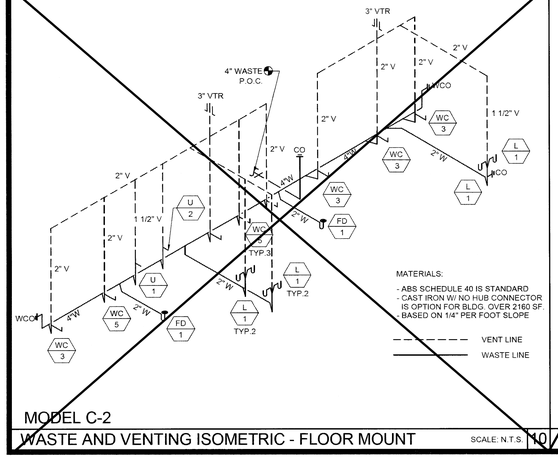
MODEL C-2

SUPPLY ISOMETRIC - FLOOR AND WALL MOUNT — SCALE: N.T.S. — 8



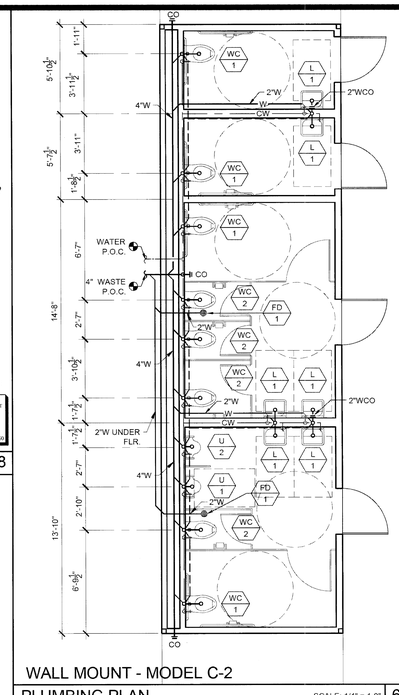
MODEL C-2

WASTE AND VENTING ISOMETRIC - WALL MOUNT — SCALE: N.T.S. — 9



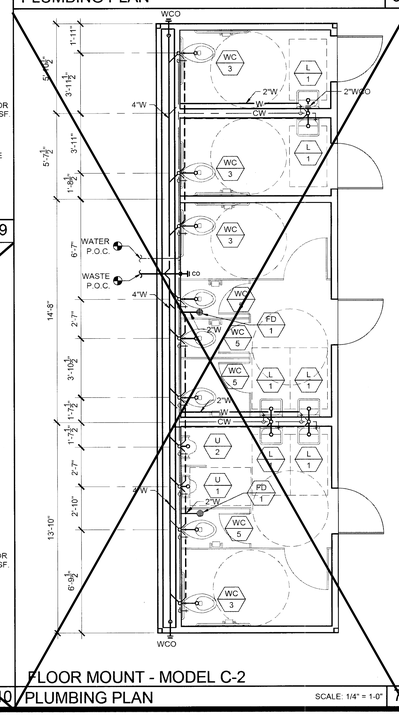
MODEL C-2

WASTE AND VENTING ISOMETRIC - FLOOR MOUNT — SCALE: N.T.S. — 10



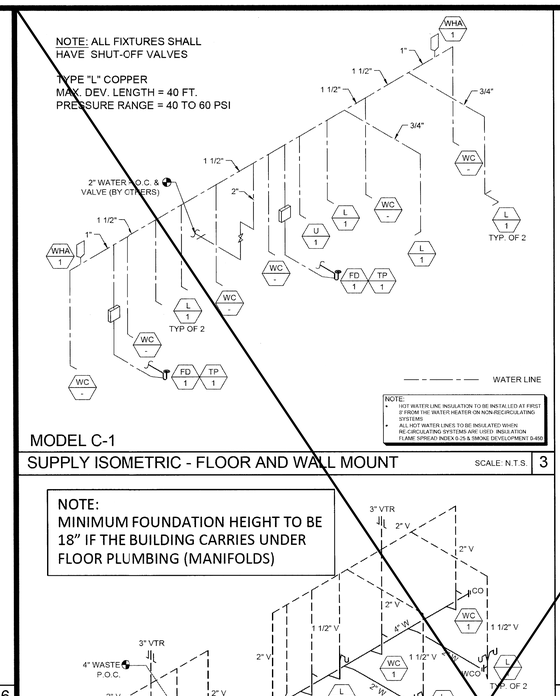
WALL MOUNT - MODEL C-2

PLUMBING PLAN — SCALE: 1/4" = 1-0" — 6



FLOOR MOUNT - MODEL C-2

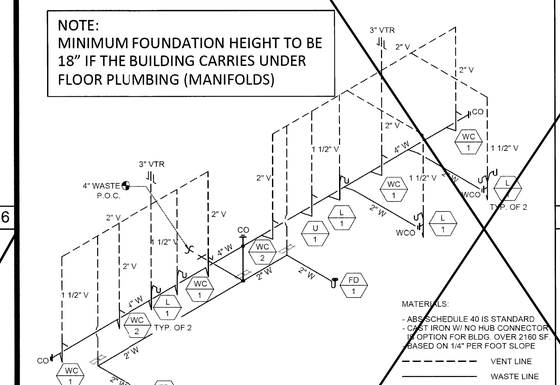
PLUMBING PLAN — SCALE: 1/4" = 1-0" — 7



MODEL C-1

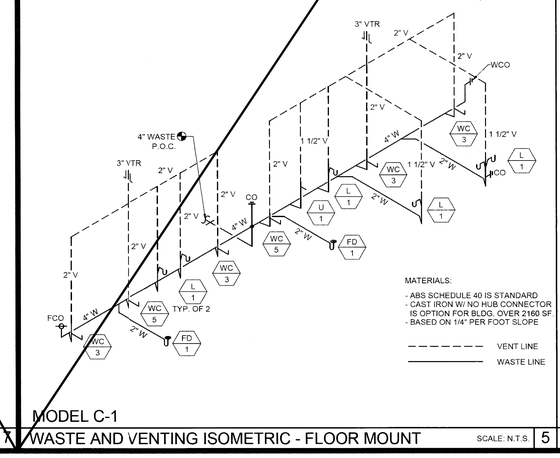
SUPPLY ISOMETRIC - FLOOR AND WALL MOUNT — SCALE: N.T.S. — 3

NOTE:
MINIMUM FOUNDATION HEIGHT TO BE 18" IF THE BUILDING CARRIES UNDER FLOOR PLUMBING (MANIFOLDS)



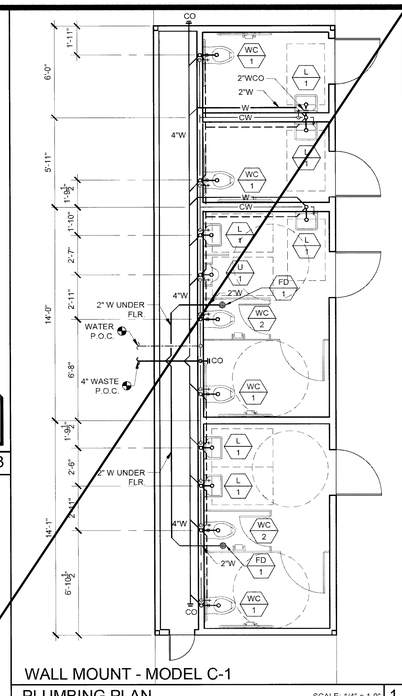
MODEL C-1

WASTE AND VENTING ISOMETRIC - WALL MOUNT — SCALE: N.T.S. — 4



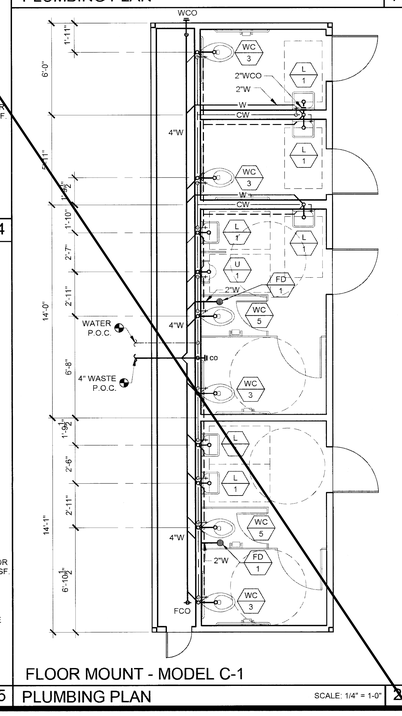
MODEL C-1

WASTE AND VENTING ISOMETRIC - FLOOR MOUNT — SCALE: N.T.S. — 5



WALL MOUNT - MODEL C-1

PLUMBING PLAN — SCALE: 1/4" = 1-0" — 1



FLOOR MOUNT - MODEL C-1

PLUMBING PLAN — SCALE: 1/4" = 1-0" — 2

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
12x40 RESTROOM BLDGS

SHEET TITLE:

PLUMBING PLAN
AND ISOMETRICS
MODEL C-1 OR C-2
"ADULT"

LICENSED ARCHITECT — SHIVELY — C-33467 — REN 01-31-2015 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
NOT FOR CONSTRUCTION
A SEPARATE PROJECT APPLICATION IS REQUIRED FOR CONSTRUCTION

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
AC FLS SS RME
DATE JUL - 8 2015

REVISIONS

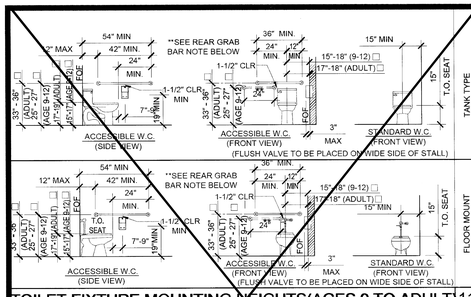
1	
2	
3	
4	
5	
6	
7	
8	

SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

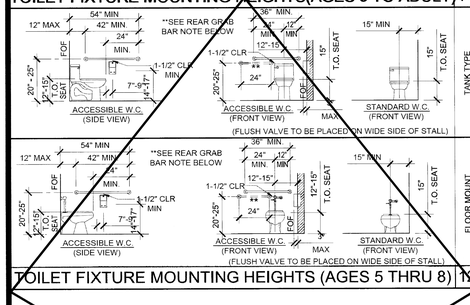
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-16-2015

P.C. SHEET NUMBER

P-1.03A



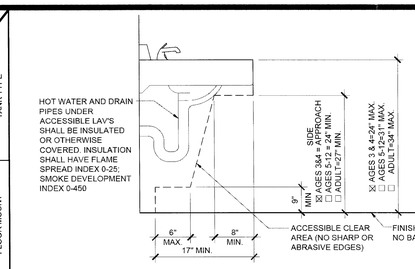
TOILET FIXTURE MOUNTING HEIGHTS(AGES 9 TO ADULT) 11



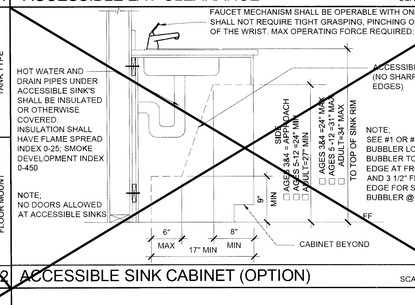
TOILET FIXTURE MOUNTING HEIGHTS (AGES 5 THRU 8) 12

TOILET FIXTURE MOUNTING HEIGHTS (AGES 3 AND 4) 13

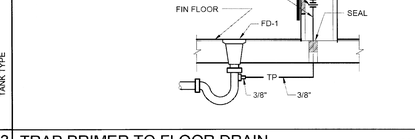
NOTE:
MINIMUM FOUNDATION HEIGHT TO BE 18" IF THE BUILDING CARRIES UNDER FLOOR PLUMBING (MANIFOLDS)



ACCESSIBLE LAV CLEARANCE SCALE: N.T.S. 6

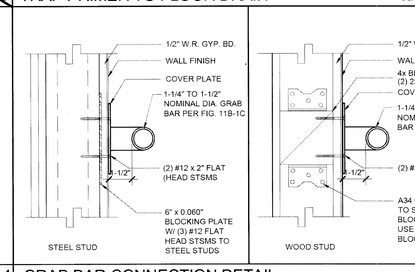


ACCESSIBLE SINK CABINET (OPTION) SCALE: N.T.S. 7

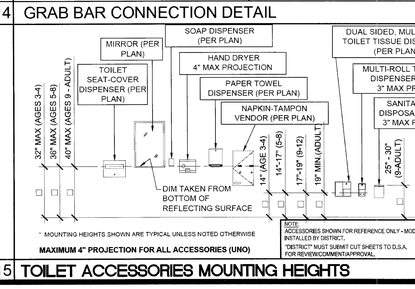


TRAP PRIMER TO FLOOR DRAIN SCALE: N.T.S. 8

TOILET FIXTURE MOUNTING HEIGHTS(AGES 9 TO ADULT) 3



GRAB BAR CONNECTION DETAIL SCALE: N.T.S. 9

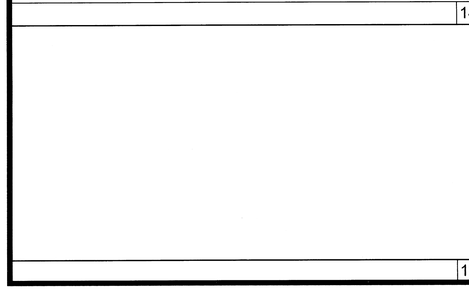


TOILET FIXTURE MOUNTING HEIGHTS (AGES 5 THRU 8) 4

TOILET FIXTURE MOUNTING HEIGHTS (AGES 3 AND 4) 5

TOILET FIXTURE MOUNTING HEIGHTS (AGES 5 THRU 8) 4

TOILET FIXTURE MOUNTING HEIGHTS (AGES 3 AND 4) 5



TOILET FIXTURE MOUNTING HEIGHTS (AGES 9 TO ADULT) 11

TOILET FIXTURE MOUNTING HEIGHTS (AGES 5 THRU 8) 4

TOILET FIXTURE MOUNTING HEIGHTS (AGES 3 AND 4) 5

TOILET FIXTURE MOUNTING HEIGHTS (AGES 9 TO ADULT) 3

TOILET FIXTURE MOUNTING HEIGHTS (AGES 5 THRU 8) 4

TOILET FIXTURE MOUNTING HEIGHTS (AGES 3 AND 4) 5

TOILET FIXTURE MOUNTING HEIGHTS(AGES 9 TO ADULT) 11

TOILET FIXTURE MOUNTING HEIGHTS (AGES 5 THRU 8) 12

TOILET FIXTURE MOUNTING HEIGHTS (AGES 3 AND 4) 13

TOILET FIXTURE MOUNTING HEIGHTS (AGES 9 TO ADULT) 3

TOILET FIXTURE MOUNTING HEIGHTS (AGES 5 THRU 8) 4

TOILET FIXTURE MOUNTING HEIGHTS (AGES 3 AND 4) 5

TOILET FIXTURE MOUNTING HEIGHTS (AGES 9 TO ADULT) 3

TOILET FIXTURE MOUNTING HEIGHTS (AGES 5 THRU 8) 4

TOILET FIXTURE MOUNTING HEIGHTS (AGES 3 AND 4) 5

TOILET FIXTURE MOUNTING HEIGHTS(AGES 9 TO ADULT) 11

TOILET FIXTURE MOUNTING HEIGHTS (AGES 5 THRU 8) 12

TOILET FIXTURE MOUNTING HEIGHTS (AGES 3 AND 4) 13

TOILET FIXTURE MOUNTING HEIGHTS (AGES 9 TO ADULT) 3

TOILET FIXTURE MOUNTING HEIGHTS (AGES 5 THRU 8) 4

TOILET FIXTURE MOUNTING HEIGHTS (AGES 3 AND 4) 5

TOILET FIXTURE MOUNTING HEIGHTS (AGES 9 TO ADULT) 3

TOILET FIXTURE MOUNTING HEIGHTS (AGES 5 THRU 8) 4

TOILET FIXTURE MOUNTING HEIGHTS (AGES 3 AND 4) 5

TOILET FIXTURE MOUNTING HEIGHTS(AGES 9 TO ADULT) 11

TOILET FIXTURE MOUNTING HEIGHTS (AGES 5 THRU 8) 12

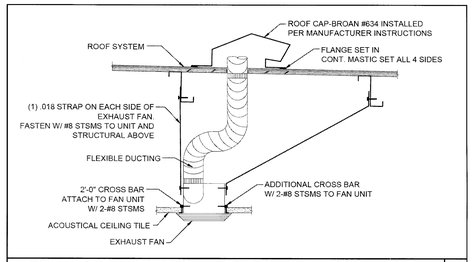
TOILET FIXTURE MOUNTING HEIGHTS (AGES 3 AND 4) 13

TOILET FIXTURE MOUNTING HEIGHTS (AGES 9 TO ADULT) 3

54" MIN
42" MIN.
24" MIN.
12" MAX.
**SEE REAR GRAB BAR NOTE BELOW
36" MIN.
12" MIN.
1-1/2" CLR MIN
7"-9" MIN
19" MIN
3" MAX
15" T.O. SEAT
ACCESSIBLE W.C. (SIDE VIEW)
ACCESSIBLE W.C. (FRONT VIEW)
STANDARD W.C. (FRONT VIEW)
(FLUSH VALVE TO BE PLACED ON WIDE SIDE OF STALL)
WALL MOUNT
15" MIN - PARTITION<24"
18" MIN PARTITION >24"
14" MIN
17" MAX
17" MAX (AGE 9-ADULT)
44" MAX. (AGE 9-ADULT)
CBC SEC 11B-605.2
24" MAX.
44" MAX.
ACCESSIBLE URINAL (FRON

LEGEND

SYMBOL	ABB.	DESCRIPTION
	SAD	SUPPLY AIR DUCT
	RAD	RETURN AIR DUCT
	EAD	EXHAUST AIR DUCT
	(L)	LINED DUCTWORK
	CD	SUPPLY CEILING DIFFUSER
	CR	RETURN CEILING REGISTER
	ER	EXHAUST CEILING REGISTER
	VTR	VENT THRU ROOF
	FD	FIRE DAMPER
	MVD	MANUAL VOLUME DAMPER
UC	UC	UNDERCUT DOOR
T	STAT	THERMOSTAT
BT	BT	BYPASS TIMER
	P.O.C	POINT OF CONNECTION



EXHAUST FAN INSTALLATION — SCALE : 1"=1'-0"

CEILING MOUNTED EXHAUST FAN SCHEDULE

SYM.	LOCATION	SERVICE	MANUF.	MODEL	CFM	SONES	SP	ELECTRICAL VOLTS	Ø	ELECTRICAL POWER	WGT.	REMARKS
EF 1	CEILING	TOILET EXHAUST	BROAN	676	100	4.0	0.25	120	1	156 WATTS	7 LBS.	WITH BROAN ROOF CAP #636. PROVIDE 4" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.
EF 2	CEILING	TOILET EXHAUST	BROAN	L100	109	1.0	0.25	120	1	87 WATTS	22.80 LBS.	WITH BROAN ROOF CAP #634. PROVIDE 6" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.
EF 3	CEILING	TOILET EXHAUST	BROAN	L200	210	2.0	0.25	120	1	127 WATTS	23.0 LBS.	WITH BROAN ROOF CAP #634. PROVIDE 8" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.
EF 4	CEILING	TOILET EXHAUST	BROAN	L300	308	2.8	0.25	120	1	212 WATTS	23.10 LBS.	WITH BROAN ROOF CAP #634. PROVIDE 8" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.

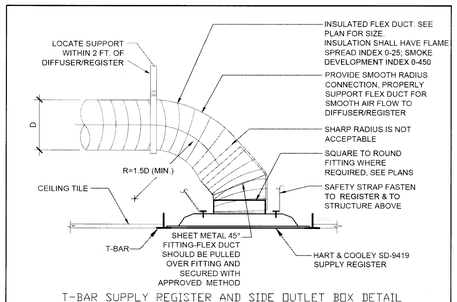
OR APPROVED EQUAL.

PERFORATED FACE GRILLE SCHEDULE (SUPPLY)

ITEM	NECK SIZE	RANGE CFM	MFG & MODEL #
T-BAR SUPPLY 16X16-4W	6"Ø	0 - 150	Fixed Curve Blade, 4-way throw
	8"Ø	150 - 230	For lay-in T-bar ceilings use Harth & Cooley SD-9419 (Sizes as shown on Mech Plan)
	10"Ø	230 - 350	
	12"Ø	350 - 460	
	14"Ø	460 - 640	

PERFORATED FACE GRILLE SCHEDULE (RETURN)

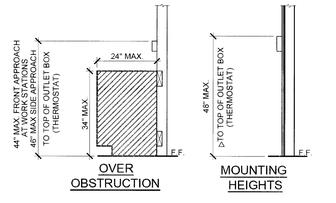
ITEM	NECK SIZE	RANGE CFM	MFG & MODEL #
T-BAR RETURN	6"Ø	0 - 230	Perforated face
	10"Ø	230 - 460	For lay-in T-bar ceilings use Shoemaker 105P with 24 ga., 45 deg. angle. (Sizes as shown on Mech Plan.)
	14"Ø	460 - 710	



T-BAR SUPPLY REGISTER AND SIDE OUTLET BOX DETAIL

N.T.S.

SUPPLY CEILING DIFFUSER MOUNTING — SCALE: NONE — D



OVER OBSTRUCTION

MOUNTING HEIGHTS

△ PROVIDE MIN 30"x48" CLR FLOOR SPACE FOR PERPENDICULAR APPROACH AT EACH LOCATION

GENERAL NOTES

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2013 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING, UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

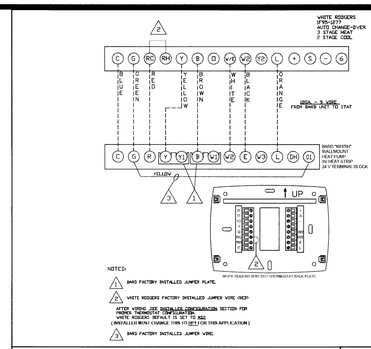
PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8, 13.6.7, 13.6.5.6 AND 2013 CBC SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

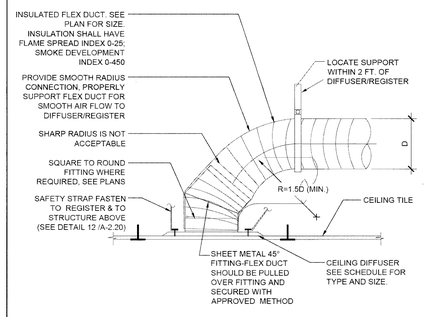
THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPA #).

COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AN BRACING OF THE PIPE, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS.

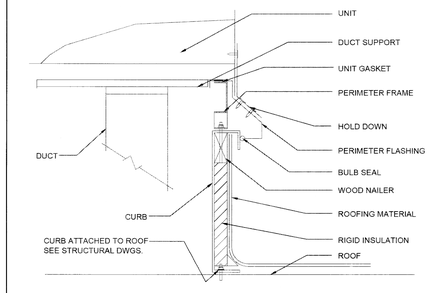
THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.



UNIT TO THERMOSTAT WIRING — SCALE: NONE — A



RETURN CEILING DIFFUSER MOUNTING — SCALE: NONE — B



A/C UNIT MOUNTING — SCALE: NONE — C

BUILDING SIZES VARY. SEE KEY PLANS ON SHEET A-0.3 FOR APPROPRIATE HVAC TONNAGE PER BUILDING SIZE.

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:

MECHANICAL NOTES, SCHEDULES, & DETAILS

LICENSED ARCHITECT — TIMOTHY J. SILVERCREEK — C-33467 — REN 01-31-2015 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT PER CALIFORNIA BUILDING CODE 2013 CBC
A SUPPLEMENT TO PROJECT APPLICATION FOR CONSTRUCTION REVIEW

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
AC F.I.S. SS RAF
DATE JUL - 6 2015

REVISIONS

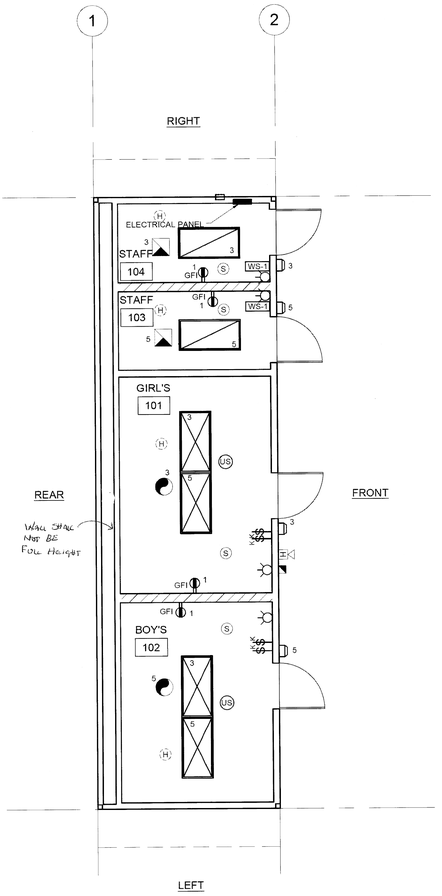
1	
2	
3	
4	
5	
6	
7	
8	

SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-16-2015

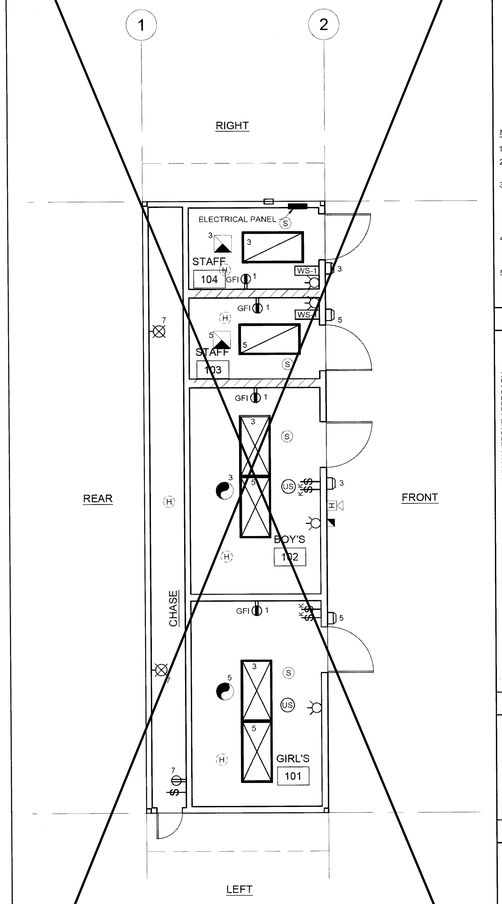
P.C. SHEET NUMBER

M-0.1

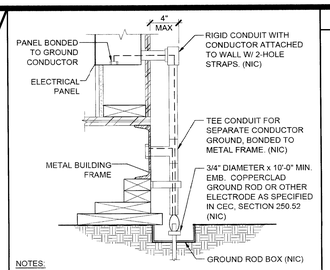


NOTE:
PROVIDE ACCESS TO HEAT DETECTOR WHEN PROVIDED.

ELECTRICAL PLAN - MODEL C-2 SCALE: 1/4" = 1'-0" 5



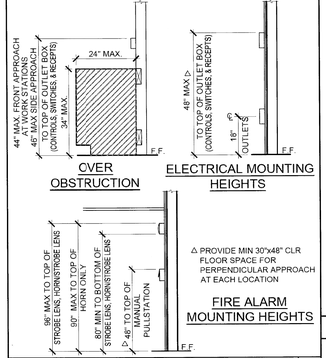
ELECTRICAL PLAN - MODEL C-1 SCALE: 1/4" = 1'-0" 4



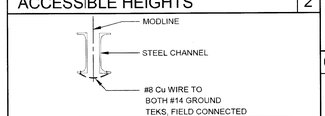
NOTES:

1. SIZE OF CONDUCTORS SHALL COMPLY WITH CEC TABLE 250.66
2. ELEC. TRADE SHALL CHECK AREA FOR EXISTING CONDUITS, SEWER, GAS & WATER PIPING BEFORE DRIVING GROUND RODS.
3. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELEC'L. PANEL & TO METAL BUILDING FRAME (CEC 250.52) IN ADDITION TO THE DETAIL SHOWN ABOVE. BOND THE ELECTRICAL GROUND TO METAL UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH THE EARTH FOR 10 FT. OR MORE, IF AVAILABLE (CEC 250.52)
4. ALL MODULES OF METAL FRAME BLDGS. SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING). BONDING SHALL INCLUDE METAL RAMP.
5. CHECK RESISTANT TO GROUND ROD, IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS WITH CONDUCTORS AS SHOWN SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS (CEC 250.56).

TYPICAL GROUNDING DETAIL 1



ACCESSIBLE HEIGHTS 2



GROUND JUMPER AT MODLINE 3

GENERAL GROUNDING NOTES

EACH BUILDING SHALL BE SEPARATELY GROUNDED WITH A 3/4" RD. X 8' COPPERCLAD STEEL GROUND ROD. WHERE ROCK BOTTOM IS ENCOUNTERED, ROD SHALL BE DRIVEN AT AN ANGLE NOT TO EXCEED 45 DEGREE'S FROM THE VERTICAL OR SHALL BE BURIED IN A TRENCH THAT IS AT LEAST 30" DEEP (BY SITE ELECTRICAL).

TESTING: TEST FOR RESISTANCE TO GROUND, IF RESISTANCE EXCEEDS 25 OHMS. INSTALL ADDITIONAL GROUND RODS SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCES TO 25 OHMS OR LESS. (BY SITE ELECTRICAL).

APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THIS FIRE ALARM FOR ALL SITES. THE FIRE ALARM SYSTEM AND/OR COMPONENTS MAYBE REQUIRED TO BE CHANGED DUE TO SITE LOCATION EXISTING CONDITIONS OR INCOMPATIBLE COMPONENTS.

GROUND MG TEST SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR. ALL GROUNDING SHALL BE IN ACCORDANCE WITH CEC ARTICLE 250.

SCHOOL EQUIPMENT ANCHORAGE

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2013 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8, 13.6.7, 13.6.5.6 AND 2013 CBC SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPA #).

COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AN BRACING OF THE PIPE, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

FIRE ALARM NOTES

1. SMOKE AND HEAT DETECTOR CONDUIT AND DEVICES PROVIDED AND INTERCONNECTED BY OTHERS TO FIRE ALARM SYSTEM
2. PROVIDE DEDICATED FIRE ALARM 120 VOLT CIRCUIT CONNECTED TO LOCKED-ON BREAKER. THE CIRCUIT BREAKER SHALL BE LOCKED-ON WITH APPROVED LOCKING DEVICE, MARKED RED AND IDENTIFIED AS "FIRE ALARM CONTROL CIRCUIT". NFPA 72, 10.6.5.2.

CONDUIT FILL AND CONDUCTOR CAPACITY TABLE

(ALL CONDUCTORS SHALL BE TYPE THHN/THWN 75 DEG. C. COPPER)

WIRE SIZE	CAPACITY	WIRE TYPE	NO. OF CONDUCTOR PERMITTED 1/2" C	3/4" C	1" C	1 1/4" C
#12	20A	THHN	9	16	25	45
#10	30A	THHN	5	10	16	28
#8	45A	THHN	2	5	8	14
#6	65A	THHN	1	3	5	10
#4	85A	THHN	1	2	4	7

JUNCTION BOX SIZE TABLE

BOX	SIZE	CU. IN.	MAX NO. OF CONDUCTORS #12	#10	#8	#6
4SS	1 1/4" x 4" SQ	18.0	8	7	6	0
4S	1 1/2" x 4" SQ	21.0	9	8	7	0
4SD	2 1/8" x 4" SQ	30.3	13	12	10	6
4SX	2 7/8" x 4" SQ	43.5	23	21	17	10
5SD	2 1/8" x 4-11/16" SQ	42.0	18	16	14	6
5SX	3 7/8" x 4-11/16" SQ	86.0	38	34	28	17
664	4" x 6" SQ	144.0	64	57	48	28

* DEDUCT ONE CONDUCTOR FOR (1) OR MORE GROUNDING CONDUCTORS ENTERING THE BOX

LEGEND

- 2x4 CEILING LIGHT WITH (3) T-8 LAMPS, LAY-IN FLUORESCENT LIGHT FIXTURE WITH ELECTRONIC BALLAST ORACLE LIGHTING - MODEL 24.OT.332.2.T8A12.L41K.C4 WATTAGE: 32W T8 (48"LG) OR EQUAL
- 2x4 CEILING LIGHT WITH (2) T-8 LAMPS, LAY-IN FLUORESCENT LIGHT FIXTURE WITH ELECTRONIC BALLAST ORACLE LIGHTING - MODEL 24.OT.332.2.T8A12.L41K.C4 WATTAGE: 32W T8 (48"LG) OR EQUAL
- OPTIONAL 1x4 CEILING LIGHT WITH (1) T-8 LAMP, LAY-IN FLUORESCENT LIGHT FIXTURE WITH ELECTRONIC BALLAST
- ELECTRICAL PANEL AT +60" AFF TO CENTERLINE OF MAIN CIRCUIT BREAKER WITH 1 1/2" DIA POWER STUB OUT
- (US) CEILING MOUNTED ULTRASONIC OCCUPANCY SENSOR. WATTSTOPPER W-500A OR EQUAL. SENSOR TO BE CONNECTED TO LIGHT SWITCHES FOR MANUAL OVERRIDE.
- WS-1 WALL MOUNTED OCCUPANCY SENSOR. WATTSTOPPER PW-100 (SINGLE SWITCH) OR EQUAL. MOUNT SENSOR AT +44" AFF
- WALL MOUNTED INTERIOR LIGHT FIXTURE AT +93" A.F.F. W/ CFL LIGHT BULB 16W MAX
- $ LIGHT SWITCH. MOUNT AT +44" AFF TO CENTERLINE OF DEVICE
- $S KEYED SWITCH AT +44" AFF TO CENTERLINE OF DEVICE
- DUPLEX (WALL MOUNTED) RECEPTACLE 15A - 125V - 3 WIRE. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF DEVICE
- GFI GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE AT +18" AFF U.O.N. WITHIN 6'-0" OF ALL SINKS
- EXTERIOR LED LIGHT FIXTURE, 30w MAX WITH PHOTOCELL MOUNT AT +93" AFF
- 4SD J-BOX FOR FIRE ALARM PULLSTATION (DEVICE BY OTHERS). MOUNT AT +48" AFF TO TOP OF DEVICE WITH 3/4" CONDUIT TO FIRE ALARM STROBE WITH PULLSTRING
- 4SD J-BOX FOR FIRE ALARM STROBE OR VOICE EVAC SPEAKER (DEVICE BY OTHERS). BOTTOM OF LENS SHALL BE BETWEEN 80" AND 96" AFF AND WITH 3/4" CONDUIT TO EXTERIOR FIRE ALARM HORN WITH PULL STRING
- 4SD J-BOX FOR EXTERIOR FIRE ALARM HORN (DEVICE BY OTHERS). MOUNT AT +90" AFF TO TOP OF DEVICE WITH 3/4" CONDUIT STUBBED TO ATTIC WITH PULLSTRING
- RECESSED 4SD J-BOX W / COVER PLATE FOR FUTURE FIRE ALARM SYSTEM BY OTHERS. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF BOX AND PROVIDE 1" CO STUB TO ATTIC SPACE WITH PULLSTRING
- (S) 4SD J-BOX IN ATTIC FOR CEILING MOUNTED SMOKE DETECTOR (DEVICE BY OTHERS). MAXIMUM 21'-0" FROM ANY POINT IN ROOM AND 30'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO SMOKE DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)
- (H) 4SD J-BOX IN ATTIC FOR ATTIC MOUNTED HEAT DETECTOR (DEVICE BY OTHERS). MAXIMUM 35'-0" FROM ANY POINT IN ATTIC AND 50'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO HEAT DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)
- 100 CFM CEILING MOUNTED EXHAUST FAN
- 300 CFM CEILING MOUNTED EXHAUST FAN

ELECTRICAL PANEL

VOLTS: 120/208 V | PANEL: "C" | FEED: REAR
MAIN: 100A | LOCATION: INTERIOR ACCESS | MOUNTING: FLUSH

LOAD	QTY	WATTS Agf	WATTS Bgf	BREAKER Amps	BREAKER P	Circuit	A	B	Circuit	BREAKER Amps	BREAKER P	WATTS Agf	WATTS Bgf	QTY	LOAD
RECEPTACLES / GFI	4	720		20	1	1	●		2						
INTERIOR/EXTERIOR LIGHTING/EXHAUST FAN	7		525	20	1	3		●	4						
INTERIOR/EXTERIOR LIGHTING/EXHAUST FAN	7	525		20	1	5	●		6						
CHASE LIGHT / RECEPTACLE (OPT C-1)	3		300	20	1	7		●	8						
DED - SOLAR READY						9	●		10						
DED - SOLAR READY						11		●	12	20	1		40		FIRE ALARM
A = 1225 WATTS / PHASE		1225	1225										40		B = 1265 WATTS / PHASE
TOTAL = 2490 WATTS		10.38		AMPS	120/208		VOLTS			1 Ø			3		WIRE

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

PALOMAR COLLEGE EDUCATION CTR
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:

ELECTRICAL PLAN AND SCHEDULE MODEL C-1 OR C-2

LICENSED ARCHITECT C-33467 REN 01-31-2015 STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE 2013 CBC
4 SEPARATE PROJECT APPLICATION
4 CONSTRUCTION INSPECTION

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
AC FLS SS RAF
DATE JUL - 6 2015

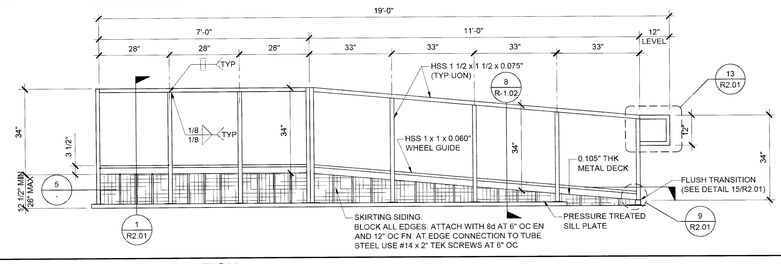
REVISIONS

1
2
3
4
5
6
7
8

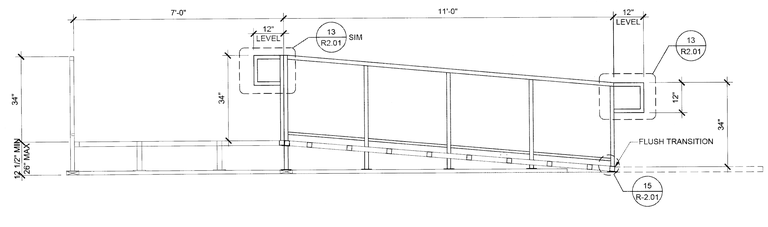
SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-16-2015

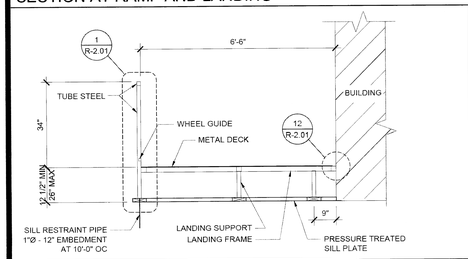
P.C. SHEET NUMBER
E-1.03



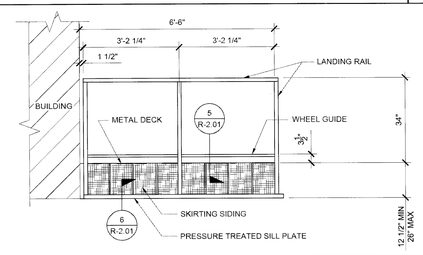
RAMP AND LANDING ELEVATION — SCALE : 1/2" = 1'-0" — 4



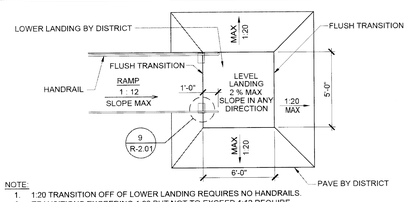
SECTION AT RAMP AND LANDING — SCALE : 1/2" = 1'-0" — 5



SECTION AT LANDING — SCALE : 1/2" = 1'-0" — 9

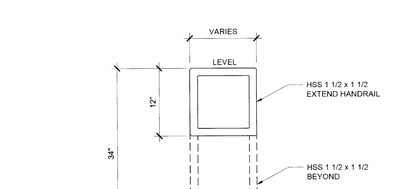


LANDING ELEVATION — SCALE : 1/2" = 1'-0" — 6

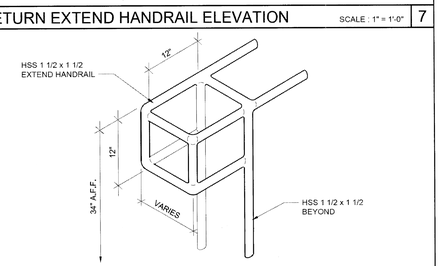


NOTE:
1. 1:20 TRANSITION OFF OF LOWER LANDING REQUIRES NO HANDRAILS.
2. TRANSITIONS EXCEEDING 1:20 BUT NOT TO EXCEED 1:12 REQUIRE REMOVAL OF 12" HANDRAIL EXTENSION AND ADDITIONAL HANDRAILING BY DISTRICT.
(THIS CONDITION REQUIRES A SITE SPECIFIC DETAIL PROVIDED BY ARCHITECT TO DEMONSTRATE ACCESSIBLE RAMP.)

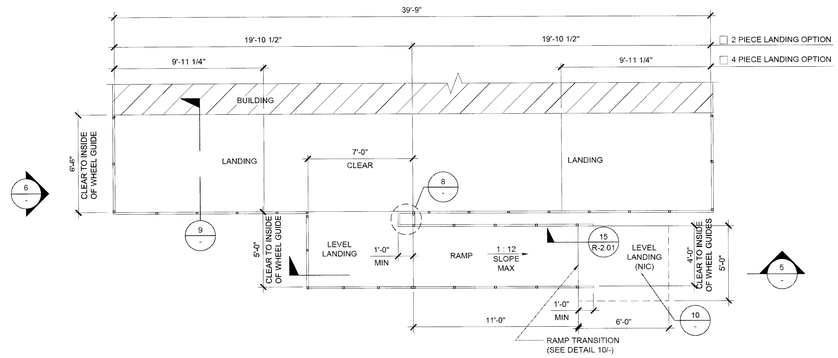
RAMP TRANSITION — SCALE: NTS — 10



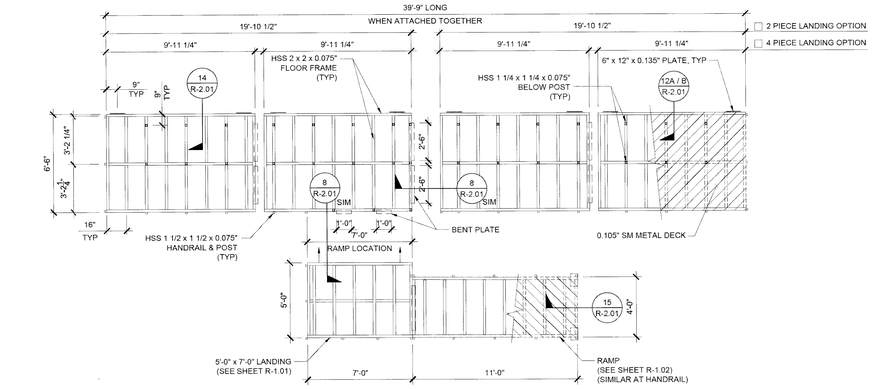
RETURN EXTEND HANDRAIL ELEVATION — SCALE : 1" = 1'-0" — 7



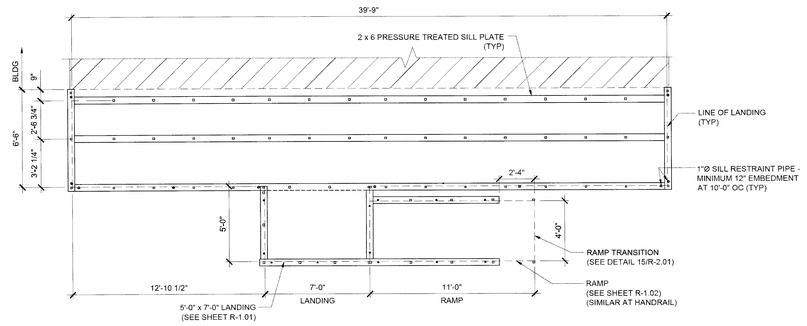
RETURN EXTEND HANDRAIL ISOMETRIC — SCALE : NTS — 8



LANDING PLAN — SCALE : 1/4" = 1'-0" — 1



LANDING FRAME — SCALE : 1/4" = 1'-0" — 2



SILL PLAN FOR RAMP AND LANDING — SCALE : 1/4" = 1'-0" — 3

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

PALOMAR COLLEGE EDUCATION CTR.
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:

RAMP LANDING

REGISTERED ARCHITECT — C-33467 — REN 01-31-2015 — STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK PC DOCUMENT CODE §7313 CBC
A SEPARATE PROJECT APPLICATION & SUBMITTAL WAS REQUIRED

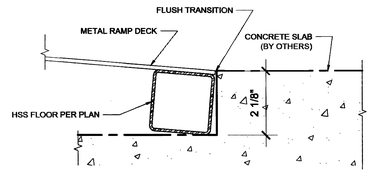
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-114135
AC FLS SS RAF
DATE JUL - 8 2015

REVISIONS
1 REVISED L ANDING TO SHOW 4 PIECES 12/12/2012
2
3
4
5
6
7
8

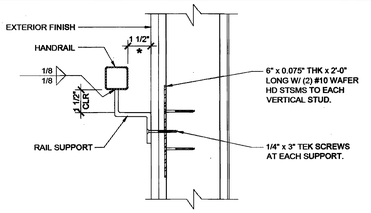
SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-16-2015

P.C. SHEET NUMBER
R-1.03

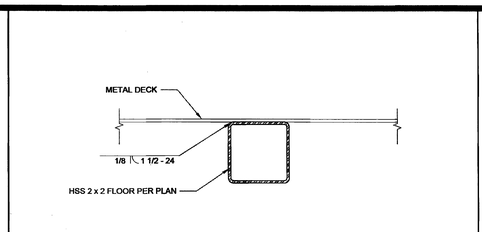


FLUSH TRANSITION AT BOTTOM OF RAMP SCALE : 6" = 1'-0" | 15

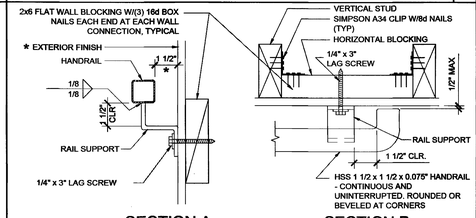


NOTE (★)
1. ALL SURFACES SHALL BE SMOOTH WITH NO SHARP CORNERS, PER CBC 11B-405.8 WALL TO BE SMOOTH AND TO EXTEND 8" ABOVE HANDRAIL

HANDRAIL CONNECTION AT SHEETMETAL BLKG SCALE : 3" = 1'-0" | 16



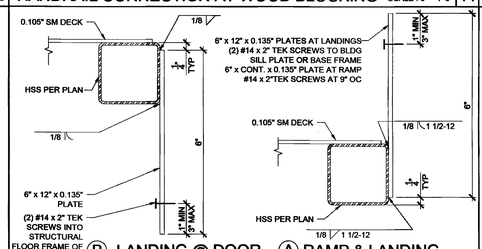
DECK TO FRAME SCALE : 6" = 1'-0" | 10



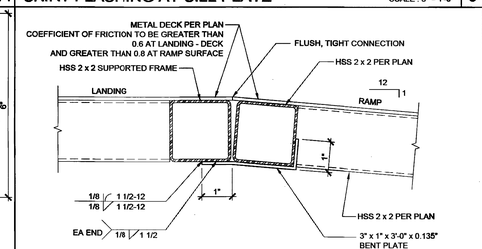
NOTE (★)
1. ALL SURFACES SHALL BE SMOOTH WITH NO SHARP CORNERS, PER CBC 11B-405.8 WALL TO BE SMOOTH AND TO EXTEND 8" ABOVE HANDRAIL

SECTION A SECTION B

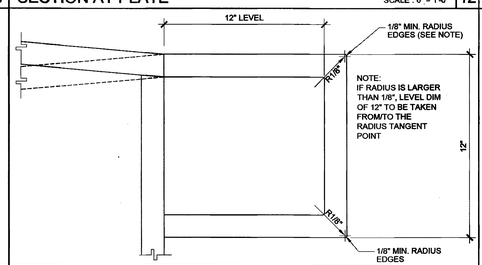
HANDRAIL CONNECTION AT WOOD BLOCKING SCALE : 3" = 1'-0" | 11



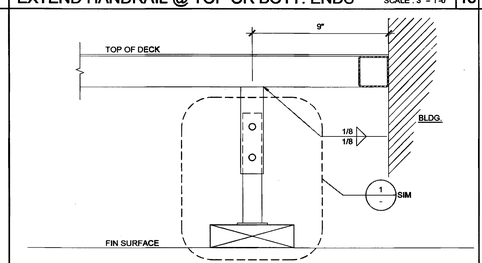
SKIRT FLASHING AT SILL PLATE SCALE : 3" = 1'-0" | 6



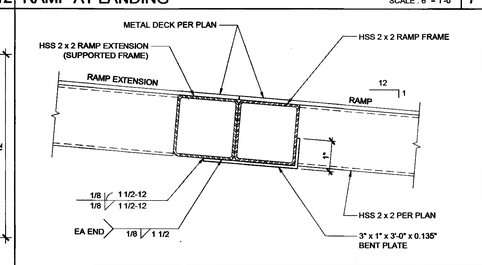
RAMP AT LANDING SCALE : 6" = 1'-0" | 7



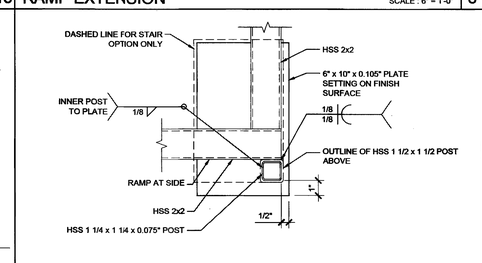
EXTEND HANDRAIL @ TOP OR BOTT. ENDS SCALE : 3" = 1'-0" | 13



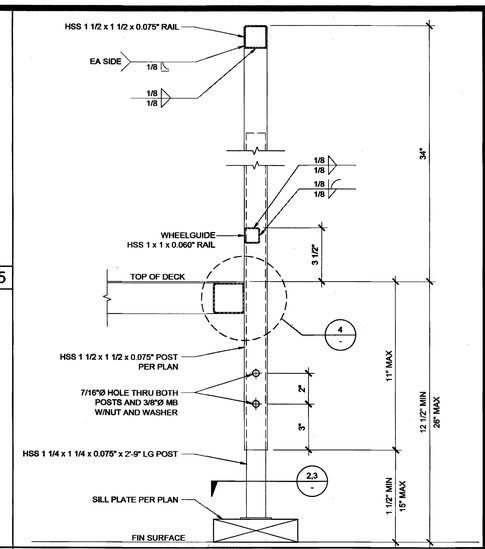
INTERIOR LANDING LEG SECTION SCALE : 3" = 1'-0" | 14



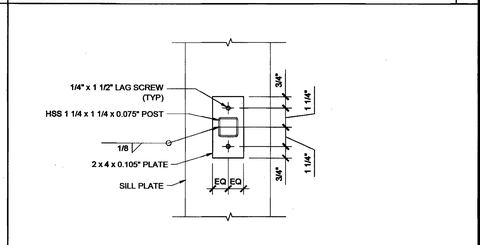
RAMP EXTENSION SCALE : 6" = 1'-0" | 8



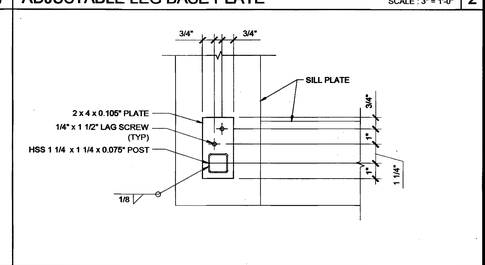
BASE PLATE AT RAMP TOE SCALE : 3" = 1'-0" | 9



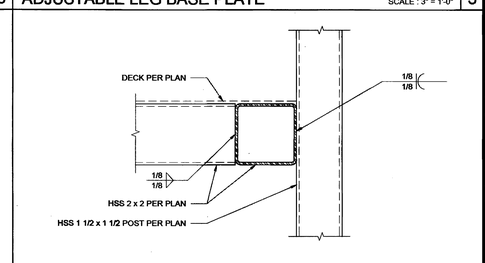
ADJUSTABLE LEG SCALE : 3" = 1'-0" | 1



ADJUSTABLE LEG BASE PLATE SCALE : 3" = 1'-0" | 2



ADJUSTABLE LEG BASE PLATE SCALE : 3" = 1'-0" | 3



GUARDRAIL POST ATTACHMENT SCALE : 6" = 1'-0" | 4

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
PALOMAR COLLEGE EDUCATION CTR
PALOMAR COLLEGE
12x40 RESTROOM BLDGs

SHEET TITLE:
RAMP DETAILS

LICENSED ARCHITECT JAMES SILVERI III C-33467 REN 01-31-2015 STATE OF CALIFORNIA

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE 2013 CBC A SEPARATE PERMIT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
PC 04-114135
FLS SS RAF
DATE JUL - 8 2015

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
12' x 40' PC (HIGH SEISMIC)

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-16-2015

P.C. SHEET NUMBER
R-2.01