

KEYNOTES

NO. Note - Detail

NOTES

1. REFER TO SHEET G0.1 FOR TYPICAL SYMBOLS AND ABBREVIATIONS

Consultant Seal	Agency Approval	FILE NO.
	IDENTIFICATION STAMP	DIV. OF THE STATE ARCHITECT
	APPL. _____	
	ACS _____ FLS _____ SSS _____	
	DATE _____	

Project Title	PALOMAR COMMUNITY COLLEGE
	BEHAVIORAL HEALTH
	NB-2 REMODEL
	1140 W. MISSION RD.
	SAN MARCOS, CA 92069-1487

No.	Description	Date
1	ADDENDUM 1	11/30/2016

Drawing Title:

CAMPUS PLAN

Architect's Seal	Designer	Project No.
	Author	5015014
	Checker	Scale: As indicated
	Date: 06/28/2016	Drawing No.
		A1.0



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KEYNOTES

NOTES

Key Plan

Consultant Seal

Agency Approval FILE NO.  
IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APPL. \_\_\_\_  
ACS \_\_\_\_ FLS \_\_\_\_ SSS \_\_\_\_  
DATE \_\_\_\_

Project Title

PALOMAR COLLEGE  
BEHAVIORAL HEALTH  
NB-2 REMODEL  
1140 W. MISSION RD.  
SAN MARCOS, CA 92069-1487

No.	Description	Date
1	ADDENDUM 1	11/30/2016

Drawing Title:  
PROJECT SITE PLAN

Architect's Seal



Designed: Designer Project No. 5015014

Drawn: Author Scale: 1" = 20'-0"

QA/QC: Checker Drawing No. A1.1

Date: 06/28/2016

PROJECT SITE PLAN 1  
1" = 20'-0"



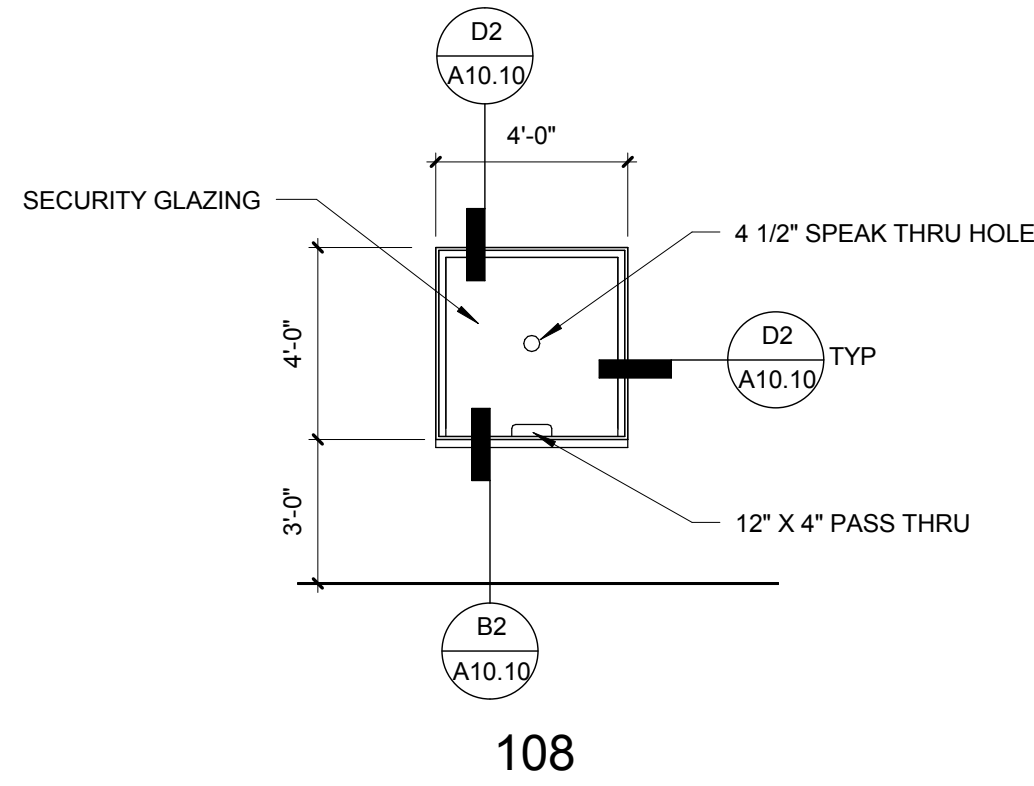
ROOM FINISH SCHEDULE																		
NUMBER	NAME	FLOOR	BASE		WALLS												CEILING	REMARKS
		MATERIAL	MATERIAL	COLOR	NORTH			EAST			SOUTH			WEST			MATERIAL	
					MATERIAL	FINISH	COLOR	MATERIAL	FINISH	COLOR	MATERIAL	FINISH	COLOR	MATERIAL	FINISH	COLOR		
1ST FLOOR																		
105	IDF	VCT	RB	TBD	GB	PT	TBD	(E)	PT	TBD	(E)	PT	TBD	GB	PT	TBD	ACT	
106	(E) F.A. PANELS	(E)	(E)	-	(E)	(E)	-	(E)	(E)	-	(E)	(E)	-	(E)	(E)	-	(E)	
107	WAITING	CT	RB	TBD	GB	PT	TBD	GB	PT	TBD	GB	PT	TBD	GB	PT	TBD	ACT	ACCENT PT (1) SIDE
108	RECEPTION	CT	RB	TBD	GB	PT	TBD	GB	PT	TBD	GB	PT	TBD	GB	PT	TBD	ACT	ACCENT PT (1) SIDE
109	OFFICE 1	CT	RB	TBD	GB	PT	TBD	GB	PT	TBD	GB	PT	TBD	GB	PT	TBD	ACT	ACCENT PT (1) SIDE
110	OFFICE 2	CT	RB	TBD	GB	PT	TBD	GB	PT	TBD	GB	PT	TBD	GB	PT	TBD	ACT	ACCENT PT (1) SIDE
111	OFFICE 3	CT	RB	TBD	GB	PT	TBD	GB	PT	TBD	GB	PT	TBD	GB	PT	TBD	ACT	ACCENT PT (1) SIDE
112	MEETING ROOM	CT	RB	TBD	GB	PT	TBD	GB	PT	TBD	GB	PT	TBD	GB	PT	TBD	ACT	ACCENT PT (1) SIDE

ROOM FINISH SCHEDULE

DOOR SCHEDULE															
DOOR NUMBER	DOOR SIZE			FIRE RATING	Door			FRAME		HARDWARE GROUP	PANIC	DETAILS (SHEET A10.10 U.N.O.)			Comments
	PANEL 1	WIDTH	HEIGHT		MATERIAL	PANEL TYPE	UNDERCUT	MATERIAL	FRAME TYPE			HEAD/JAMB	THRESH		
		PANEL 2													
104A		3'-0"	7'-0"	NR	WD	01 : S	0'-0"	HM	A : S	01	No	-	-	EXTERIOR RATED	
105		3'-0"	7'-0"	NR	WD	01 : S	0'-0"	HM	A : S	04	No	B4	B6		
106		3'-0"	7'-0"	NR	WD	01 : S	0'-0"	(E)	A : S	04	No	-	-	HARDWARE ONLY	
107A		3'-0"	7'-0"	NR	WD	01 : S	0'-0"	HM	A : S	01	No	-	-	EXTERIOR RATED	
107B		3'-0"	7'-0"	NR	WD	03 : S	0'-0"	(E)	A : S	02	No	-	-		
108		3'-0"	7'-0"	NR	(E)	01 : S	0'-0"	(E)	A : S	04	No	-	-	HARDWARE ONLY	
109		3'-0"	7'-0"	NR	WD	03 : S	0'-0"	HM	A : S	03	No	B4	B6		
110		3'-0"	7'-0"	NR	WD	03 : S	0'-0"	HM	A : S	03	No	B4	B6		
111		3'-0"	7'-0"	NR	WD	03 : S	0'-0"	HM	A : S	03	No	B4	B6		
112A		3'-0"	7'-0"	NR	WD	03 : S	0'-0"	HM	A : S	03	No	B4	B6		

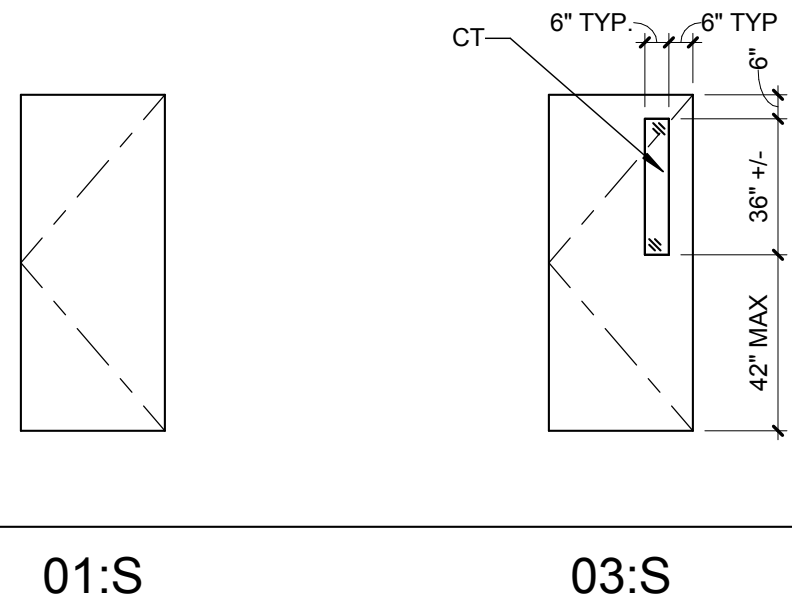
DOOR SCHEDULE

E6



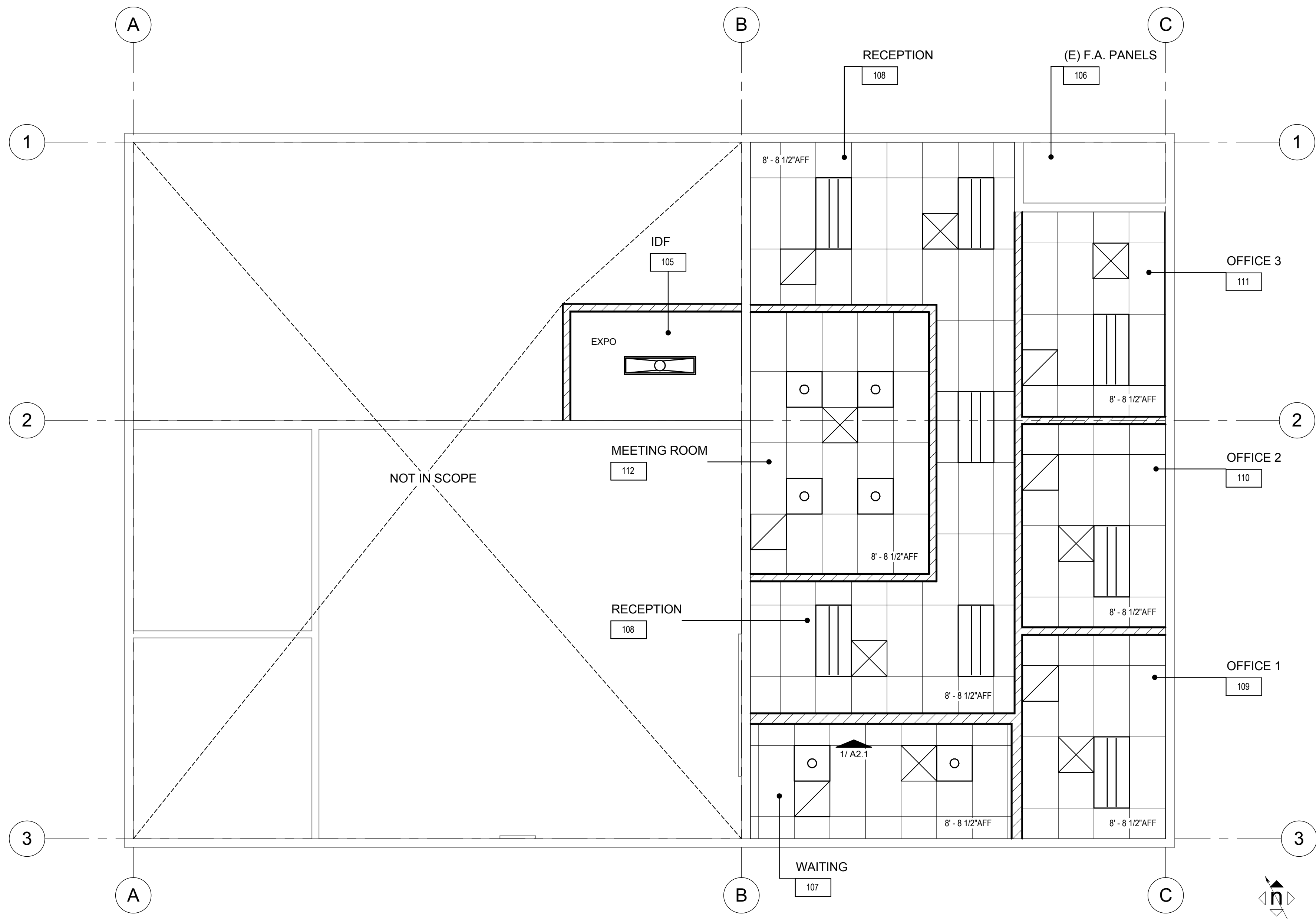
WINDOW SCHEDULE

C6



DOOR PANELS AND FRAMES

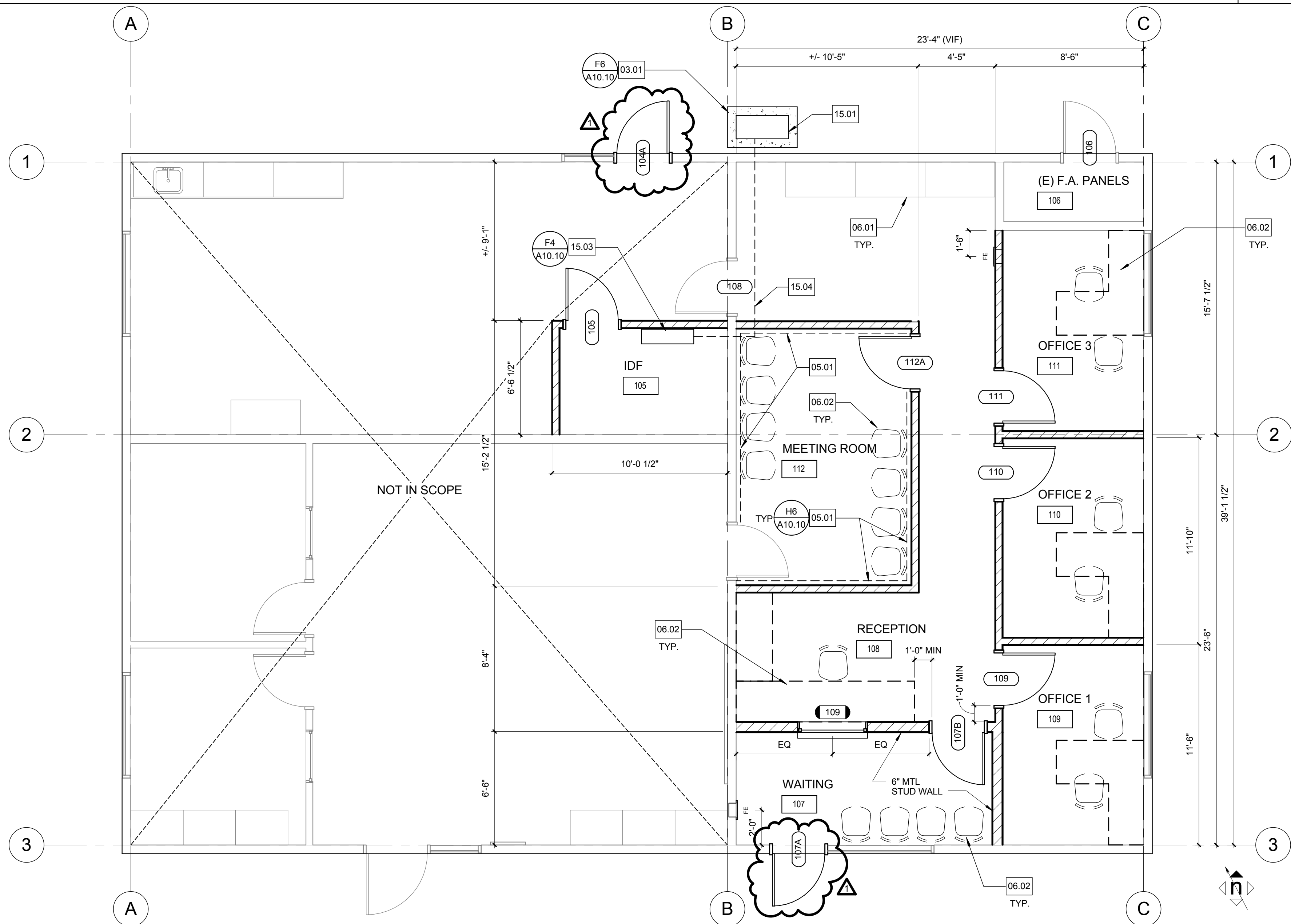
A6



REMODEL REFLECTED CEILING PLAN

E1

1/4" = 1'-0"



REMODEL FLOOR PLAN

A1

1/4" = 1'-0"

HMC Architects

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(SM)

## KEYNOTES

01

NO.

Note - Detail

- 03.01 CONCRETE PAD  
05.01 METAL STUD BACKING FOR FUTURE MARKERBOARD  
06.01 (E) CASEWORK, PROTECT IN PLACE  
06.02 FURNITURE, BY OWNER  
15.01 CONDENSING UNIT (COAIRE CIC-09M1Z)  
15.03 FAN COIL UNIT (COAIRE CIC-09M1Z)  
15.04 INSULATED REFRIGERANT PIPING ABOVE CEILING.  
PROVIDE PIPE SLEEVES THRU WALL PENETRATIONS

## FLOOR PLAN LEGEND

- (E) WALL TO REMAIN, PROVIDE NEW 5/8" GYP BD & FINISH WHERE EXISTING IS REMOVED PER DEMO PLAN  
4" METAL STUDS (U.N.O. ON PLAN) @ 16" O.C. W/ 5/8" GYP BD ON EACH SIDE AND INFILLED WITH ACOUSTICAL BATT INSULATION. REFER TO SHEET A10.13 FOR TYPICAL STUD WALL FRAMING DETAILS.  
FE FIRE EXTINGUISHER CABINET (A4 A10.12)

## CEILING PLAN LEGEND

- (N) 2X4 T-BAR CEILING  
EXPO EXPOSED TO STRUCTURE ABOVE  
(N) LIGHT FIXTURE - REFER TO E1.1  
(N) MECHANICAL REGISTERS - REFER TO M2.1

## ABBREVIATIONS

- ACT ACOUSTICAL CEILING TILE  
CT CARPET TILE  
GB GYPSUM BOARD  
HM HOLLOW METAL  
NR NOT RATED  
PT PAINT  
RB RUBBER BASE  
RT RESILIENT TILE  
STL PREFINISHED STEEL FRAME  
VCT VINYL COMPOSITION TILE  
WD WOOD

## NOTES

1. REFER TO SHEET G0.1 FOR TYPICAL SYMBOLS AND ABBREVIATIONS.  
2. ALL DIMENSIONS ARE TO FACE OF STUD U.N.O.  
3. REMOVE (E) FLOORING IN AREAS AFFECTED BY NEW CONSTRUCTION.

Consultant Seal

Agency Approval

FILE NO.

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECTAPPL. \_\_\_\_\_  
ACS \_\_\_\_\_ FLS \_\_\_\_\_ SSS \_\_\_\_\_  
DATE \_\_\_\_\_

Project Title

PALOMAR COMMUNITY COLLEGE

BEHAVIORAL HEALTH  
NB-2 REMODEL1140 W. MISSION RD.  
SAN MARCOS, CA 92069-1487

No.

Description

Date

1	ADDENDUM 1	11/30/2016

Drawing Title:

## FIRST FLOOR - REMODEL PLAN &amp; REFLECTED CEILING PLAN

Architect's Seal

Designed: BG

Project No.

5015014

Drawn: VH

Scale:

As indicated

QA/QC

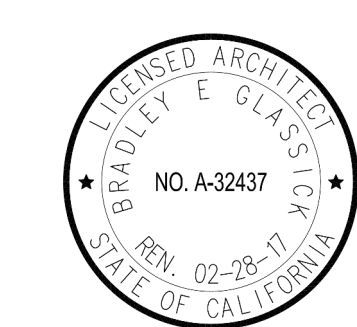
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Drawing No.

Date:

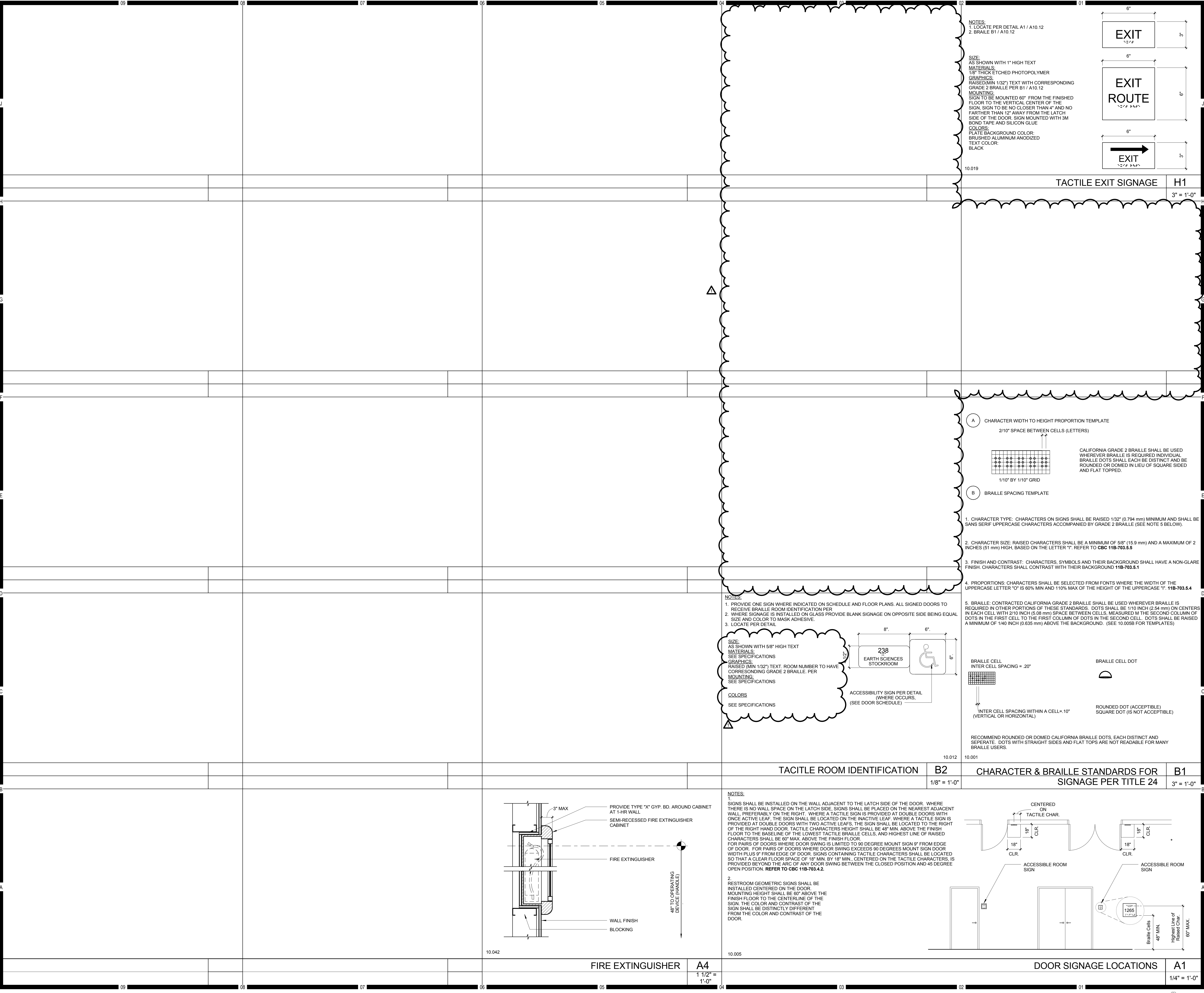
06/28/2016

A2.1





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FILE NO.

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT

APPL. ----

ACS. \_\_\_\_\_ FLS. \_\_\_\_\_ SSS. \_\_\_\_\_

DATE \_\_\_\_\_

Project Title

**PALOMAR COLLEGE**

BEHAVIORAL HEALTH NB-2 REMODEL

1140 W. MISSION RD.  
SAN MARCOS, CA 92069-1487

No.	Description	Date
1	ADDENDUM 1	11/30/2016

Drawing Title:

**DETAILS**

Architect's Seal

DESIGNED BY: Designer

PROJECT NO.: 5015014

DRAWN BY: Author

SCALE: As indicated

QA/QC BY: Checker

DRAWING NO.: A10.12

DATE: 06/28/2016



GENERAL NOTES:

- THESE DRAWINGS ARE A GENERAL GRAPHIC PRESENTATION OF THE WORK. DUCTWORK, PIPING, AND EQUIPMENT, AS SHOWN, ARE SCHEMATIC. FABRICATE AND INSTALL BASED ON ACTUAL FIELD MEASUREMENT. COORDINATE WITH OTHER TRADES. PROVIDE A COMPLETE SET OF SHOP DRAWINGS REFLECTING ACTUAL DIMENSIONS, ACCESS REQUIREMENTS, AND DETAILS BASED UPON THE ACTUAL EQUIPMENT PROCURED. MAINTAIN AN UP TO DATE SET OF AS-BUILT DRAWINGS AT THE JOB SITE.
- COMPLY WITH CALIFORNIA MECHANICAL CODE (CMC), CALIFORNIA PLUMBING CODE (CPC), AND NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), AND GOVERNING CODES. THERE SHALL BE NO EXCEPTION. REPORT DEFICIENCIES WITHIN THIRTY (30) DAYS UPON AUTHORIZATION TO PROCEED.
- REVIEW ALL DRAWINGS AND SPECIFICATIONS INCLUDING ARCHITECTURAL, STRUCTURAL, CIVIL, MECHANICAL, PLUMBING, AND ELECTRICAL. ANY QUESTIONS SHALL BE BROUGHT UP, IN WRITING, TO THE ATTENTION OF THE ENGINEER BEFORE THE START OF CONSTRUCTION.
- PROVIDE ACCESS AND CLEARANCE FOR MAINTENANCE FOR MECHANICAL EQUIPMENT AND COMPONENTS AS RECOMMENDED BY EQUIPMENT MANUFACTURER AND APPLICABLE CODES.
- HANDLE, STORE AND INSTALL EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS.
- INSTALL VALVES WITH UNIONS OR FLANGES AT EACH PIECE OF EQUIPMENT ARRANGED TO ALLOW SERVICE MAINTENANCE, AND EQUIPMENT REMOVAL WITHOUT SYSTEM SHUT-DOWN.
- BRACE AND SUPPORT PIPES, CONDUIT, AND DUCTWORK IN ACCORDANCE WITH SMACNA GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL AND PLUMBING PIPING SYSTEM.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF DIFFUSERS, REGISTERS, GRILLES, AND ACCESS PANELS.
- ALL DUCT DIMENSIONS, AS SHOWN ON MECHANICAL DRAWINGS ARE CLEAR INSIDE DIMENSIONS.
- INSULATION AND FLEXIBLE DUCT SHALL COMPLY WITH STATE FIRE MARSHALL CRITERIA AND SHALL NOT EXCEED FLAME SPREAD OF 25 AND SMOKE DEVELOPED OF 50 PER ASTM-84, NFPA-223, AND UL 723.
- INSULATE PIPING AND DUCTWORK IN ACCORDANCE WITH THE GOVERNING CODES.
- START-UP THE MECHANICAL SYSTEMS TO ASSURE A COMPLETE AND OPERATIONAL HVAC SYSTEM IN ACCORDANCE WITH ASHRAE AND NEBB.
- ALL SQUARE ELBOWS IN DUCTWORK SHALL HAVE DOUBLE THICKNESS TURNING VANES. ALL RADIUS ELBOWS IN DUCTWORK SHALL BE MINIMUM 1.5W (1.5xWIDTH) AND HAVE 3 SPLITTER VANES. PROVIDE MANUAL VOLUME DAMPER AT EACH BRANCH DUCT TAKE-OFF SERVING EACH AIR TERMINAL DEVICE. PROVIDE BALANCING DAMPERS FOR EACH MAIN DUCT TAKE-OFF IN ACCORDANCE WITH SMACNA IN ORDER TO ASSURE A COMPLETELY BALANCED SYSTEM.
- COORDINATE WITH ELECTRICAL AND CONTROL CONTRACTORS FOR ALL POWER REQUIREMENTS PRIOR TO BID.

PLAN CHECK NOTES:

- CALIFORNIA MECHANICAL CODE 2013 (CMC 2013), CALIFORNIA PLUMBING CODE 2013 (CPC 2013) AND 2013 TITLE 24 ENERGY STANDARDS ARE THE CURRENT CODES/STANDARDS THAT ARE APPLICABLE TO THIS PROJECT.

PROJECT NOTES

- CONTRACTOR SHALL COORDINATE ARCHITECTURAL REFLECTED CEILINGS PLANS WITH ALL DISCIPLINES TO VERIFY CLEARANCES BETWEEN HVAC DUCTS, HVAC PIPING, LIGHT FIXTURES, ELECTRICAL DATA CONDUITS, PLUMBING LINES, FIRE PROTECTION LINES, STRUCTURAL MEMBERS, ETC. SPECIAL ATTENTION IS REQUIRED ALONG THE LENGTH OF MAIN MECHANICAL SUPPLY AND RETURN AIR DUCTS WHERE THERE IS LIMITED CLEARANCE FOR PASSAGE OR ROUTING OF UTILITIES.
- THE SPACE FOR DUCT WORK & MECHANICAL EQUIPMENT FOR THIS PROJECT IS LIMITED. COORDINATION WITH OTHER TRADES IS CRITICAL. PROCEED WITH PREPARATION OF SHOP DRAWINGS IMMEDIATELY UPON RECEIVING AN AUTHORIZATION TO PROCEED FOR THE PROJECT. COMPLETE SHOP DRAWINGS PRIOR TO MATERIAL FABRICATION AND INSTALLATION. SHOP DRAWINGS SHALL BE REVIEWED BY COMMISSIONING AGENT PRIOR TO SUBMITTAL.
- DO NOT COMMENCE WITH ANY INSTALLATION, DEMOLITION OR ORDERING OF ANY EQUIPMENT OR MATERIAL FABRICATION WITHOUT AN APPROVED SHOP DRAWING SUBMITTAL.
- FOR EACH SUBMITTAL, THE CONTRACTOR SHALL PROVIDE A LETTER (ON COMPANY LETTERHEAD) AND SIGNED BY THE PROJECT MANAGER INDICATING THE SUBMITTAL HAS BEEN FULLY IN HOUSE REVIEWED TO ENSURE FULL COMPLIANCE WITH THE CONTRACT DOCUMENTS AND COORDINATION WITH OTHER TRADES. ANY EXCEPTIONS TO THE CONTRACT DOCUMENTS SHALL BE CLEARLY INDICATED ON THIS LETTER. ANY DISCREPANCIES/EXCEPTIONS NOT IDENTIFIED IN WRITING SHALL BE CORRECTED AT THE SOLE EXPENSE OF THE CONTRACTOR AND AT NO EXPENSE TO THE OWNER AND ENGINEER.

TITLE 24 NOTES:

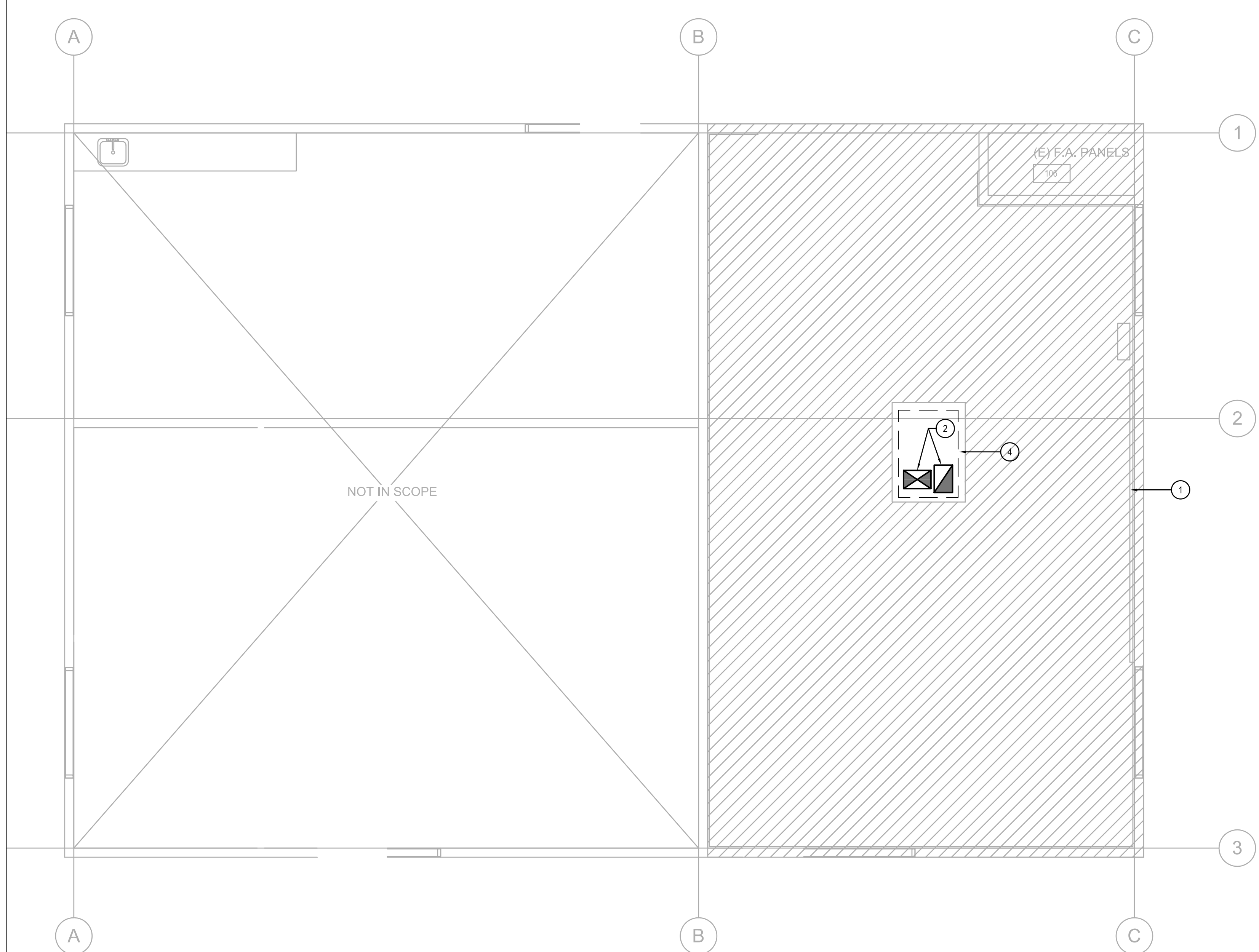
- NEW HVAC SYSTEMS SHALL MEET THE LATEST CONTROL REQUIREMENTS OF SECTIONS 110.2 & 120.2 ENERGY EFFICIENCY STANDARDS.
- INSULATION AND FLEXIBLE DUCT SHALL COMPLY WITH STATE FIRE MARSHALL CRITERIA AND SHALL NOT EXCEED FLAME SPREAD OF 25 AND SMOKE DEVELOPED OF 50 PER ASTM-84, NFPA-225, AND U.L. 723.
- ALL WORK SHALL BE IN ACCORDANCE WITH CITY CODES, CALIFORNIA ENERGY CONSERVATION STANDARDS, TITLE 24, AND ALL OTHER APPLICABLE CODES.
- ALL NEW DUCTWORK SHALL BE INSULATED CONSISTENT WITH THE REQUIREMENTS OF SECTIONS 110.8, 120.3, 120.4, TITLE 24 ENERGY STANDARDS AND CHAPTER 6 OF CALIFORNIA MECHANICAL CODE.

CA GREEN BUILDING NOTES:

- IN MECHANICALLY VENTILATED BUILDINGS, PROVIDE OCCUPIED AREAS OF BUILDING WITH AIR FILTRATION MEDIA FOR OUTSIDE AND RETURN AIR PRIOR TO OCCUPANCY THAT PROVIDES AT LEAST MERV OF 8 (REF. SECTION 5.504.5.3).
- PROVIDE TESTING AND ADJUSTING OF HVAC SYSTEMS AND CONTROLS PER 5.713.10.4.
- IF THE HVAC SYSTEM IS USED DURING CONSTRUCTION, RETURN AIR FILTERS WITH A MERV 8 RATING SHALL BE USED PER 5.714.4.1.
- DUCT OPENINGS AND OTHER RELATED AIR DISTRIBUTION OPENINGS SHALL BE COVERED DURING CONSTRUCTION PER 5.714.4.1.

MECHANICAL LEGEND

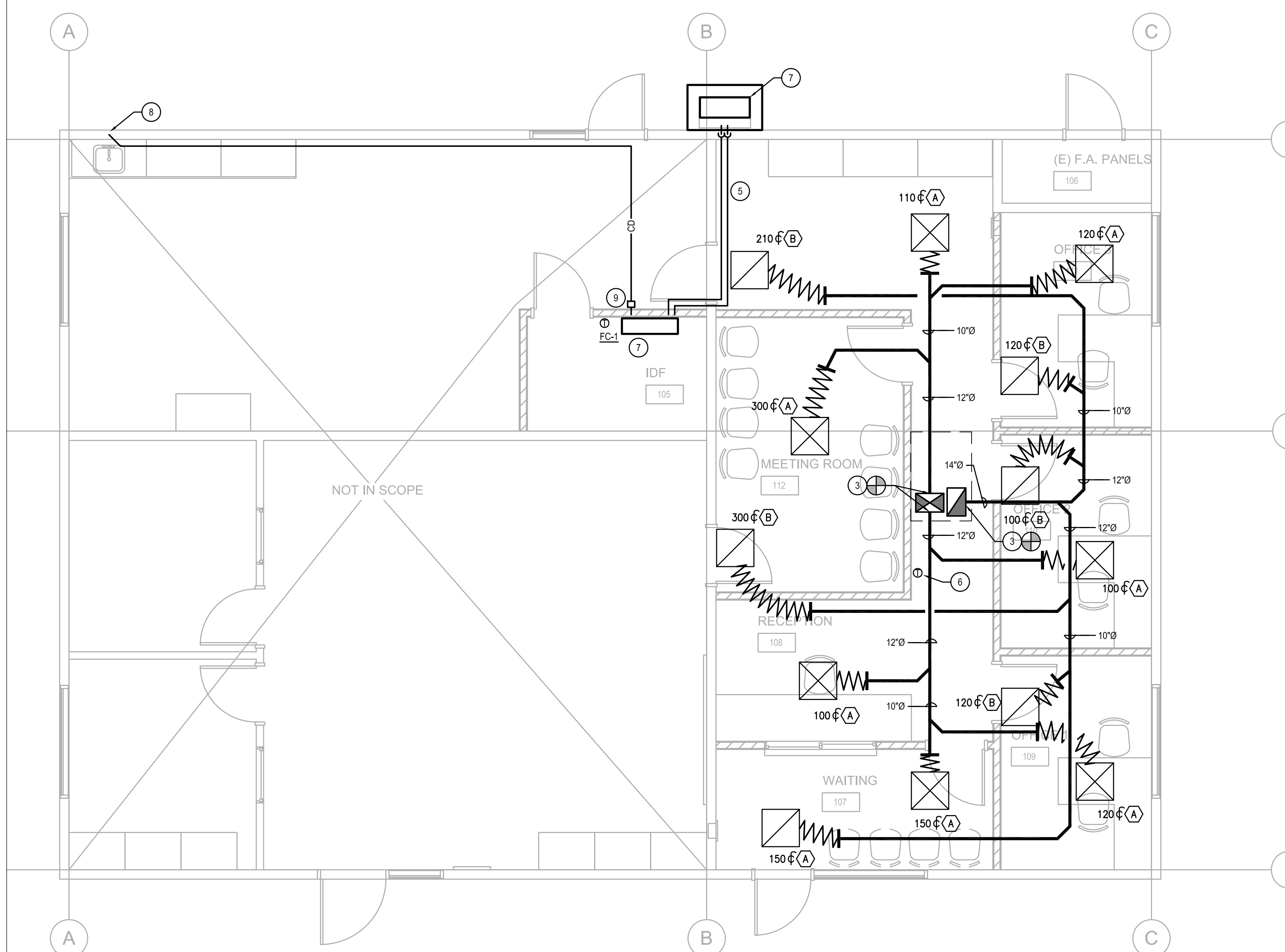
SYMBOL	ABBREV.	DESCRIPTION	SYMBOL	ABBREV.	DESCRIPTION
		REMOVE EXISTING EQUIPMENT OR PIPING SHOWN HATCHED		DN.	DOWN
		REMOVE AND RELOCATE EXISTING EQUIPMENT OR PIPING SHOWN HATCHED		DWGS.	DRAWINGS
	POC	POINT OF CONNECTION		DB	DRY BULB
	POD	POINT OF DISCONNECT		DTR	DUCT THRU ROOF
		COORDINATE WITH ELECTRICAL		(E)	EXISTING
	TV	SQUARE ELBOW WITH TURNING VANES		EA	EXHAUST AIR
	MVD	RADIUS ELBOW WITH 3 SPLITTER VANES		ER	EXHAUST REGISTER
	MOD	MANUAL VOLUME DAMPER		EFF.	EFFICIENCY
	BDD	MOTOR OPERATED DAMPER		ELEV.	ELEVATION
	BDD	BACKDRAFT DAMPER		ENT.	ENTERING
	SD	DUCT MOUNTED SMOKE DETECTOR		EXH.	EXHAUST
	FLEX	FLEXIBLE CONNECTION (DUCTWORK)		EXIST.	EXISTING
		UNED DUCTWORK (OR PLENUM)		FIN.	FINISH
		DUCT RISE IN DIRECTION OF FLOW		FLR.	FLOOR
		DUCT DROP IN DIRECTION OF FLOW		GPM	GALLONS PER MINUTE
		ROUND DUCT UP		IN.	INCH
		ROUND DUCT DOWN		HD.	HEAD
		SUPPLY DUCT UP		HP	HORSEPOWER
		SUPPLY DUCT DOWN		LVG.	LEAVING
	RAOVA	RETURN AIR DUCT/OUTSIDE AIR DUCT UP		MAX.	MAXIMUM
	RAOVA	RETURN AIR DUCT/OUTSIDE AIR DUCT DOWN		MBH	ONE THOUSAND B.T.U.'s PER HOUR
		EXHAUST AIR DUCT UP		MECH.	MECHANICAL
		EXHAUST AIR DUCT DOWN		MIN.	MINIMUM
	CD	CEILING DIFFUSER		MTD.	MOUNTED
	RR	RETURN REGISTER		MTG.	MOUNTING
	ER	EXHAUST REGISTER		OBD	OPPOSED BLADE DAMPER
	TSTAT	THERMOSTAT OR TEMPERATURE SENSOR (NUMBER INDICATES EQUIPMENT ZONE SERVED)		OA	OUTSIDE AIR
	CFM	CUBIC FEET PER MINUTE		PD	PRESSURE DROP
	ADAP	SYMBOL, SEE EQUIPMENT SCHEDULE		PSIG	POUNDS PER SQUARE INCH GAUGE
	AFF	ACCESS DOOR / ACCESS PANEL		RA	RETURN AIR
	BDD	ABOVE FINISHED FLOOR		REG.	REGISTER
	BDD	BACK DRAFT DAMPER		RR	RETURN REGISTER
	BDD	BOTTOM OF DUCT		SA	SUPPLY AIR
	BOP	BOTTOM OF PIPE (ABOVE FIN. FLR.)		SF	SQUARE FEET
	CD	CEILING DIFFUSER		TYP.	TYPICAL
	CLG.	CEILING		UNO	UNLESS NOTED OTHERWISE
	CFM	CUBIC FEET PER MINUTE		UOS	UNLESS OTHERWISE SPECIFIED
	CONC.	CONCRETE		UTR	UP THRU ROOF
	CONT.	CONTINUATION		VAV	VARIABLE AIR VOLUME
	°F	DEGREES FAHRENHEIT		VFD	VARIABLE FREQUENCY DRIVE
				VTR	VENT THRU ROOF
				WG	WATER GAUGE
				WB	WET BULB
				W	WITH



MECHANICAL DEMOLITION PLAN

1

1/4" = 1'-0"



MECHANICAL NEW WORK PLAN

2

1/4" = 1'-0"

KEYNOTES

- ALL MECHANICAL DUCTWORK, DIFFUSERS, AND ASSOCIATED APPURTENANCES SHALL BE DEMOLISHED.
- POINT OF DISCONNECT TO EXISTING DUCT PLENUM TO REMAIN.
- POINT OF CONNECT TO EXISTING DUCTWORK PLENUM.
- EXISTING AC ROOF TOP UNIT SHALL REMAIN.
- LIQUID AND SUCTION REFRIGERANT PIPING. SIZE PER MANUFACTURERS RECOMMENDATION.
- PROVIDE (IN) DELTA THERMOSTAT FOR (E) AC ROOF TOP UNIT. NEW THERMOSTAT SHALL TIE TO CAMPUS WIDE DELTA CONTROLS
- COARE QIC-90M12 / COC-90M12 COOLING ONLY DUCTLESS SPLIT SYSTEM. 9000 BTUH. 115V/1PH/60Hz. SEER 13. PROVIDED BY OWNER, INSTALLED BY CONTRACTOR.
- CONNECT NEW CONDENSATE DRAIN TO TAIL PIECE OF SINK.
- PROVIDE WITH 120V-16W CONDENSATE PUMP.

NOTES

- ALL DUCTWORK, GRILLES AND DIFFUSERS AND CORRESPONDING APPURTENANCES SHALL BE NEW AND SHALL MATCH THE EXISTING IN THE BUILDING.
- DUCT SHALL BE GALVANIZED STEEL.



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San Diego, California 92121  
Consulting Mechanical Engineers  
☎ 858 200-0030 ☎ 858 200-0037  
www.ma-engr.com



Agency Approval	FILE NO.
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT	
APPL. <input type="checkbox"/>	
ACS. <input type="checkbox"/>	FLS. <input type="checkbox"/>
DATE <input type="text"/>	

Project Title	PALOMAR COMMUNITY COLLEGE
	STUDENT AMBASSADORS_NB-2 REMODEL
	1140 W. MISSION RD. SAN MARCOS, CA 92069-1487

No.	Description	Date
1	ADDENDUM 1	11/30/2016

Drawing Title:  
MECHANICAL DEMOLITION, FLOOR PLAN & ROOF PLAN

Architect's Seal 	Designed: JN Drawn: MH QA/QC: HS Date: 06/28/2016	Project No. 5015014 Scale: As indicated Drawing No. M-2.1
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NB		120/208 3PH, 4WIRE		200 AMP		Main		Breaker		ENCLOSURE TYPE		ENCLOSURE		NOTE	
		200K Neutral Bus						Lug		X					
		(INTEGRAL)VSS Protection						Recessed		X		NEMA TYPE 3R			
		(REMOTE)VSS Protection						Surface		X		NEMA TYPE 4X			
		Service Entrance Rated		X				Enclosure							
		Load Side Feed thru Lug													
				GENERAL DISTRIBUTION		PROVIDE LOCK ON BREAKER DEVICES FOR ALL EMERGENCY LIGHTING,									
				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	DISCOUT DESCRIPTION	LCL	NHL
		EXISTING LOAD		20		1	3			2	20	1	EXISTING LOAD		
		EXISTING LOAD		20		1	5			4	20	1	EXISTING LOAD		
		EXISTING LOAD		20		1	7			6	20	1	EXISTING LOAD		
		EXISTING LOAD		20		1	9			8	20	1	EXISTING LOAD		
		EXISTING LOAD		20		1	11			10	20	1	EXISTING LOAD		
		EXISTING AC		30		1	13			12	20	1	EXISTING AC		
							15			14	30				
						3	17			16					
		EXISTING LOAD		20		1	19			18		3	EXISTING AC		
		EXISTING LOAD		20		1	21			20	30				
		EXISTING LOAD		20		1	23			22	20				
		EXISTING LOAD		20		1	25			24	20	3			
		EXISTING LOAD		20		1	27			26	20	1	EXISTING LOAD		
		EXISTING LOAD		20		1	29			28	20	1	EXISTING LOAD		
		EXISTING LOAD		20		1	31			30	20	1	IDF RECEPTACLE		
		SPLIT SYSTEM AC UNIT		20		1	33	1500		32	30				
				20		1	35	876	1500	34	2		IDF RECEPTACLE		
		RECEPTACLES		20		1	37	800	1500	36	20	1	RECEPTACLES		
		RECEPTACLES		20		1	39	800	800	38	20	1	RECEPTACLES		
		RECEPTACLES		20		1	41	800	800	40	20	1	RECEPTACLES		
SPECIAL PANEL NOTE		NOTE #1													
NOTE		NOTE #2													
NHL= Non Harmonic Load		TOTAL LOAD PER PHASE		3100		3976		3100		HIGH PHASE		3976 / 0.9pf = KVA @ 120V		36.8 AMPS	
LCL= Long Continuous Load		25% LONG CONTINUOUS LOADS		0		0		0		ALL PHASES		10176 / 0.9pf = KVA @ 208V/3PH		31.4 AMPS	
		SUB PANEL								DEMAND PER		NEC 220-34 0 sq. ft.		AMPS	
Max. Heat. Load		TOTAL CONNECTED LOAD		3100		3976		3100							
56 AMPS															