

November 1, 2022

# ADDENDUM 2

To the Contract Documents for the Construction of:

Walnut Valley Unified School District Diamond Bar High School Building 400 Modernization New Classrooms/Library Media DSA #03-121330 | File #19-H52

# NOTICE TO BIDDERS

It is intended that all work affected by the following provisions shall conform to the original DSA approved Plans and Specifications with a DSA Approval Date of <u>March 9, 2022</u>. Delete or modify each of the following items wherever appearing on the Drawings and/or Specifications. Acknowledge receipt of this Addendum in the space provided on the Contractor's Proposal. Failure to do so may subject bidder to disqualification.

## DRAWINGS:

## Item 2.1: The following revised drawings are hereby issued.

## A1.10 OVERALL SITE PLAN

- A. KEYNOTES: ADDED KEYNOTE 32.13I
- B. 1/A2.01: ADDED ELETRICAL TRENCHING AND KEYNOTE

## A2.01 DEMOLITION PLANS - LOWER LEVEL & MAIN LEVEL

- A. KEYNOTES: ADDED KEYNOTE 3.300
- B. 1/A2.01: ADDED AREAS FOR SLAB REMOVAL AND PATCH BACK TO INSTALL BELOW SLAB PLUMBING AND ELECTRICAL ITEMS

## A10.10 EXTERIOR DETAILS

A. 23/A10.10: DELETED DETAIL FOR CURB RAMP WHICH DOES NOT APPLY TO THIS PROJECT

## A10.11 INTERIOR DETAILS

A. 23/A10.11: EDITTED DETAIL TO DELETE THE HAND DRYER WHICH IS NOT USED IN THIS PROJECT

A10.31 CEILING DETAILS

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> A. 5/A10.31: DELETED DETAIL. THE CORRECT DETAILS FOR THE SUSPENDED WALL AT THE SIESMIC JOINT ARE NOW DETAILS 3/A10.30, 8/A10.70, 13/A10.70 AND 18/A10.70 ISSUED IN ADDENDUM 1.

## A10.40 ROOF DETAILS

A. 23/A10.40: ADDED DETAIL FOR THE ROOFING AND FLASHING FOR THE PLATFORM FOR CONDENSING UNIT. SEE THE ORIGINALLY APPROVED DETAIL 11/M5.01 FOR THE PLATFORM FRAMING.

## A10.70 SEISMIC SEPERATION JOINT COVER DETAIL

A. 5/A10.70: ADDED SEISMIC JOINT DETAIL FOR THE MECHANICAL DUCT THROUGH WALL FRAMING FROM CEILING SPACE TO LOWER THE ROOF.

## **S012** TYPICAL DETAILS

- A. ADDED DETAIL 10
- S202 (E) FRAMING PLAN MAIN LEVEL
  - A. CORRECTED DETAIL REFERENCE 12/S011 FOR INFILL AT EXISTING WALL OPENING (AT ONE LOCATION)
- **\$204** AC-10 SUPPORT FRAMING PLAN AND FLOOR OPENING DETAILS
  - A. REVSIED DETAILS 3 AND 4.
- M2.12 REMODEL FLOOR PLAN MAIN LEVEL
  - A. RELOCATED THE 16 X 14 DUCTWORK ASSOCIATTED TO AC-8 TO PASS THROUGH GRIDLINE 7 ABOVE THE DOUBLE DOORS.
  - B. ADDED KEYNOTE 6.

## M5.01 DETAILS

- A. REVISED DETAIL 11 REVISED P.T. SLEEPER SIZE TO 4 X 14.
- B. REVISED DETAIL 2 REVISED ATTACHMENT TO STRUCTURAL MEMBERS.
- C. DELETED DETAIL1 NOT REQUIRED FOR THIS PROJECT.

## M5.02 DETAILS

- A. REVISED DETAIL 3 REVISED ATTACHMENT TO STRUCTURAL MEMBERS.
- B. REVISED DETAIL 6 LOCATIONS OF P1000 BRACES ADJUSTED TO ALLOW FOR FOAMED ROOFING THICKNESS AND ADJUSTED AND ADDED NOTES.
- PO.02 SCHEDULES
  - A. CHANGED THE SINK FAUCETS TO CHICAGO FAUCETS W4D-L9E1-317ABCP
  - B. CHANGE THE FLUSH VALVES AT THE WATER CLOSETS TO SLAON ROYAL 111 AND THE URINALS TO ROYAL 186
  - C. PROVIDE METRAFLEX SEISMIC LOOPS AT ALL DOMESTICAL WATER AND GAS PIPING
- E0.01 ELECTRICAL COVER SHEET

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A. SEE REVISED SHEET

## E0.02 SINGLE LINE DIAGRAM

- A. SEE REVISED SHEET
- E0.04 PANEL SCHEDULE
  - A. SEE REVISED SHEET
- E1.10 SITE PLAN
  - A. SEE REVISED SHEET
- E2.01 DEMO FLOOR PLAN LOWER LEVEL
  - A. SEE REVISED SHEET
- **E2.02** DEMO FLOOR PLAN MAIN LEVEL
  - A. SEE REVISED SHEET
- **E2.21** POWER PLAN LOWER LEVEL
  - A. SEE REVISED SHEET
- E2.22 POWER PLAN MAIN LEVEL
  - A. SEE REVISED SHEET
- FP2.12 REMODEL FLOOR PLN MAIN LEVEL
  - A. ADDED SIDEWALL FIRE SPRINKLERS TO THE NORTH SIDE OF THE BUILDING ALONG THE COVERED WALKWAY. ADDED ONE PENDANT FIRE SPRINKLER AT AN EXTERIOR SOFFIT ALSO.
  - B. UPDATED THE MOST REMOTE HYDRAULIC CALCULATION DUE TO THESE ADDED SIDEWALL SPRINKLERS
  - C. UPDATED THE SPRINKLER SCHEDULE AND LEGEND FOR THESE ADDED SPRINKLERS

## FP5.01 DETAILS

A. ADDED DETAIL 14/FP5.01 FOR THE SIDE WALL SPRINKLER

## EXIBITS:

## Item 3.1 Pre-Bid RFIs

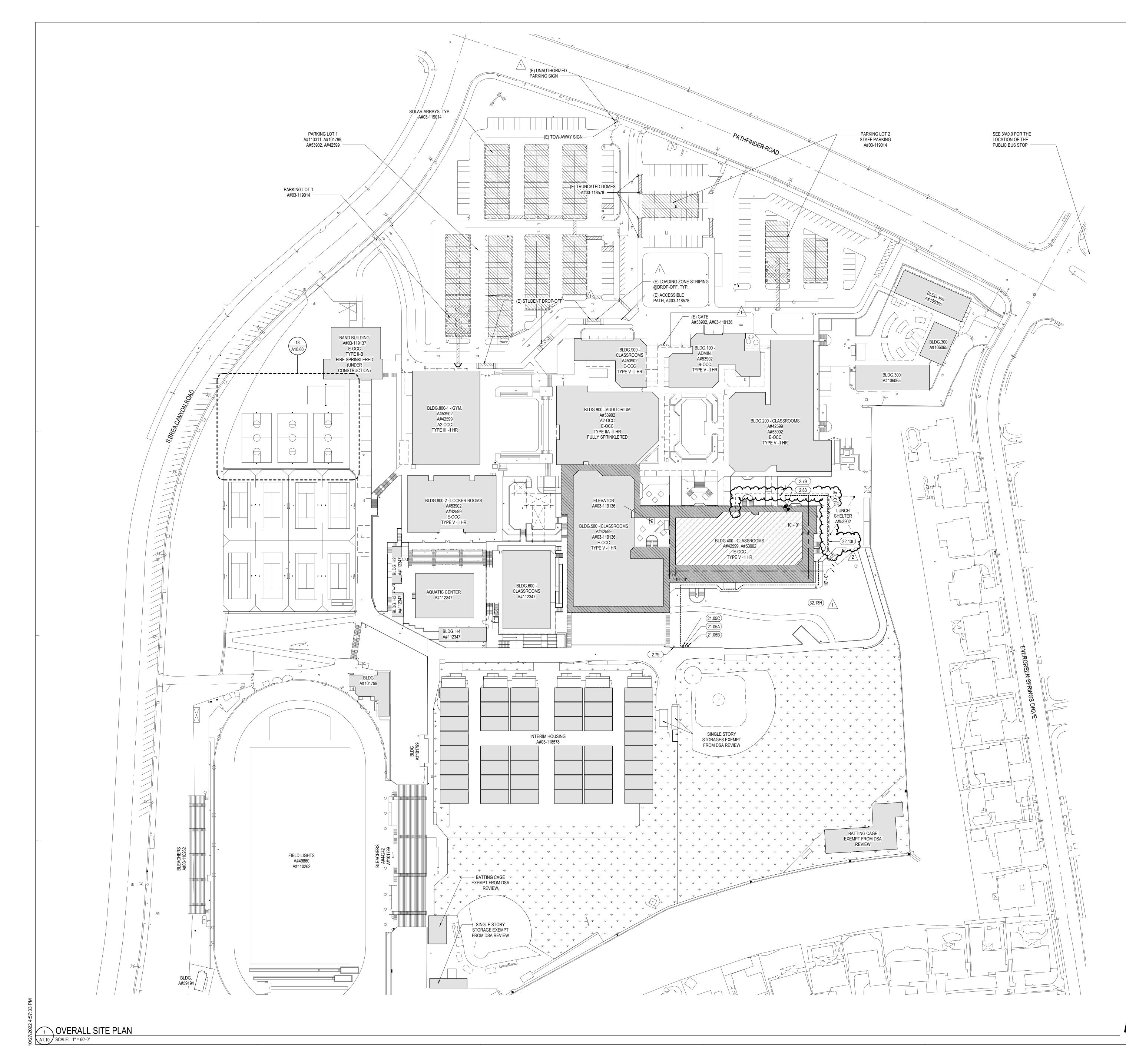
Pre-Bid RFI NUMBERS 008 AND 045 ARE INCLUDED

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SGH Architects, Inc.

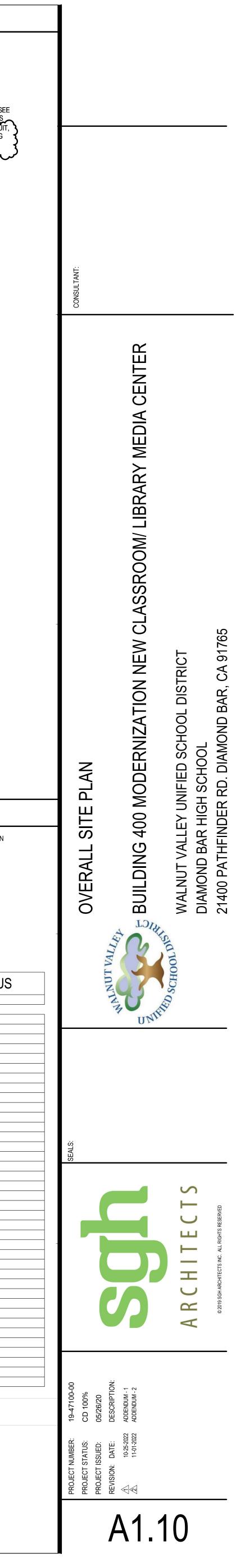
Scott Griffith, AIA Managing Partner Architect C-24897

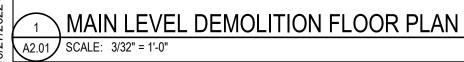


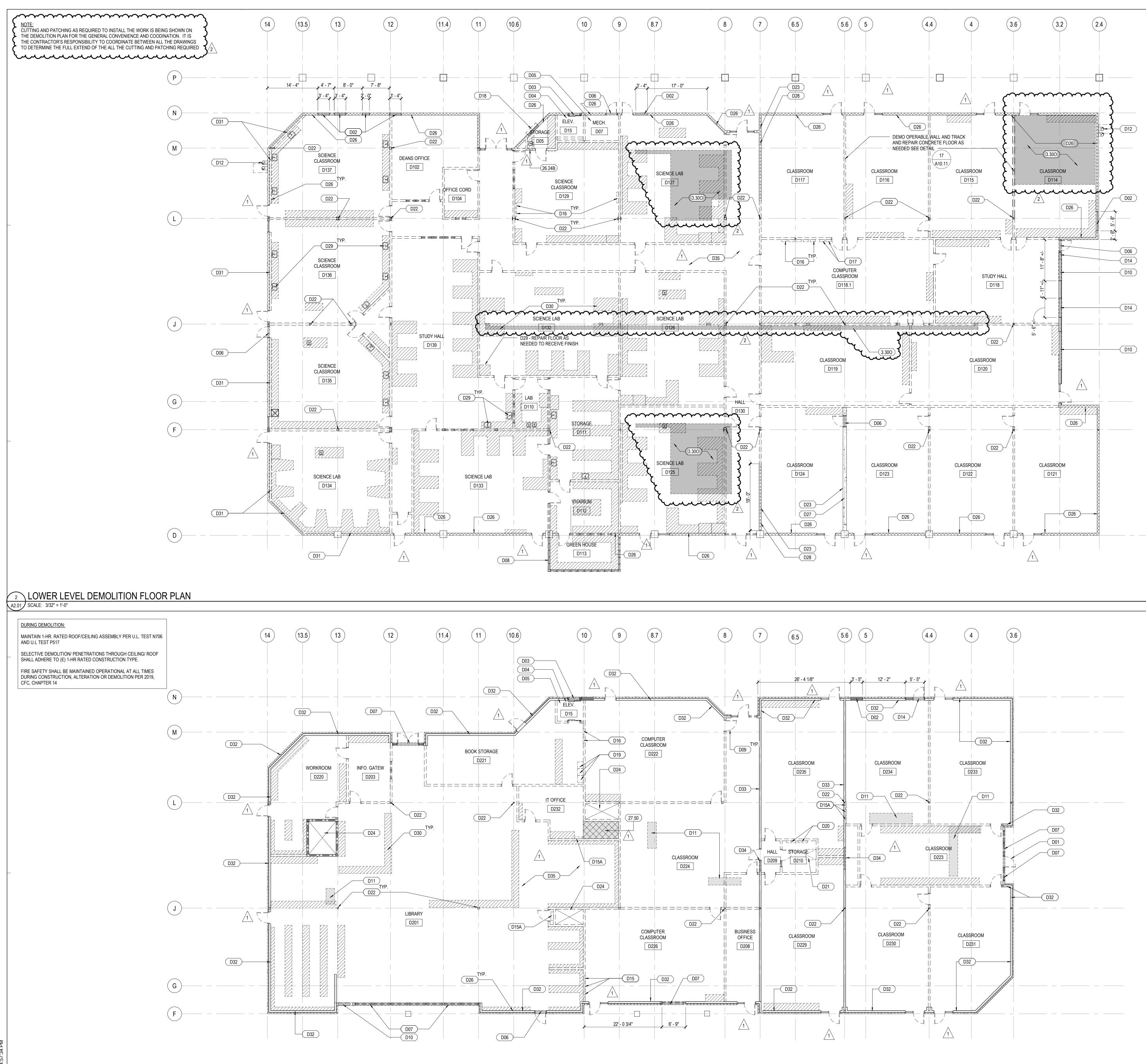


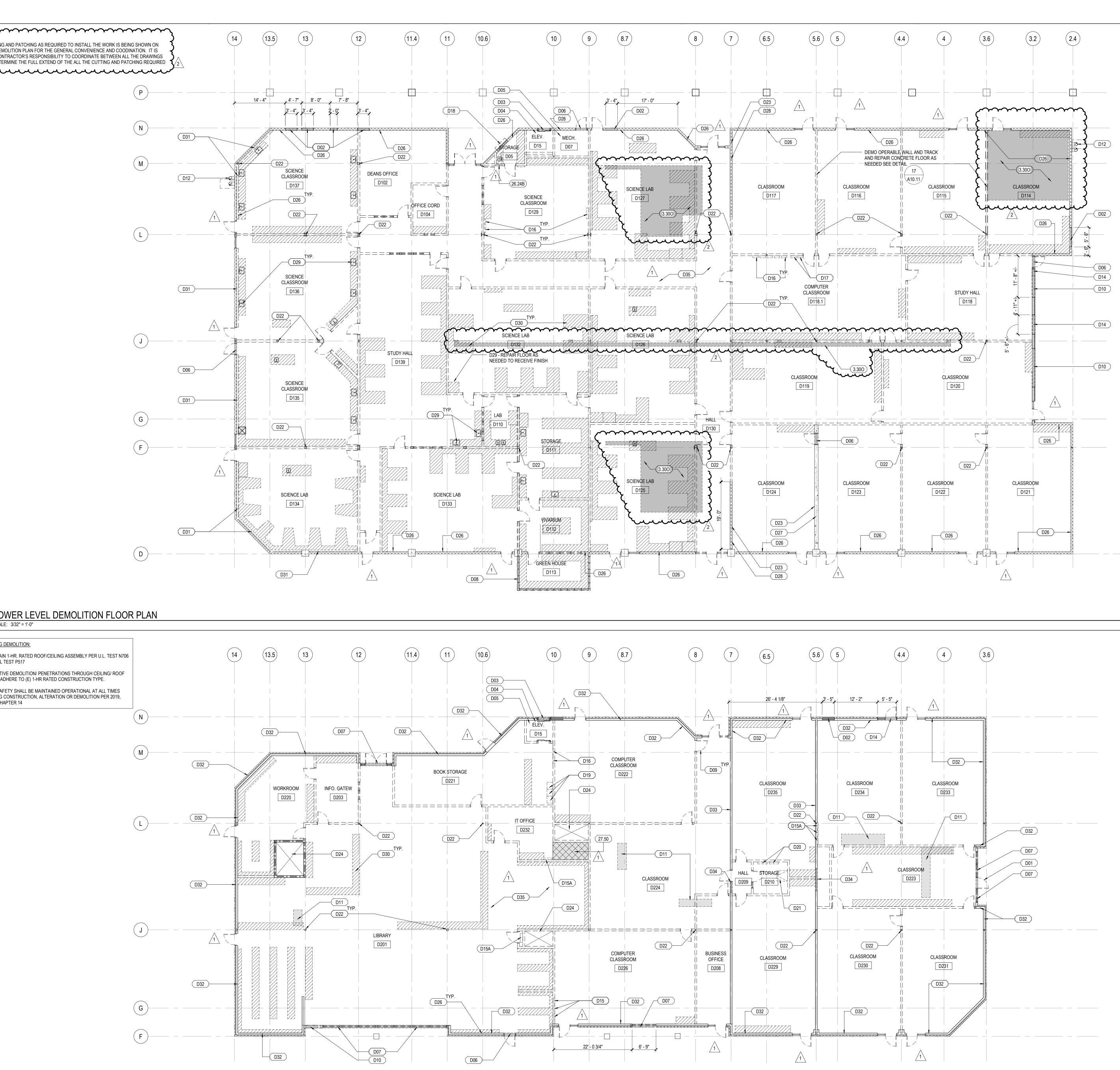
DESCRIP	PTION
2.79 (E) FIRE I	
21.05A WATER C 21.05B 6" PIV, CI	CHECK VALVE, CIVIL C-2.1 FOR MORE INFO. IVIL C-2.1 FOR MORE INFO.
2.13H REMOVE	PARTMENT CONNECTION, CIVIL C-2.1 FOR MORE INFO. AND PATCH PORTION OF (E) SITE CONCRETE PAVING FOR FIRE UTILITY LINE, SE FOR CONCRETE PAVING JOINT DETAIL_SEE CIVIL FOR TRENCHING LOCATIONS
	AND PATCH PORTION OF (E) SITE CONCRETE PAVING FOR ELECTRICAL CONDUI 10.60 FOR CONCRETE PAVING JOINT DETAIL, SEE ELECTRICAL FOR TRENCHING INS
GENEF	RAL NOTES
. SEE EXIBIT 1	1 FOR CONSTRUCTION BARRICADE FENCING AND MILESTONE SCHEDULE PLAN
. SEE EXIBIT 1	AMOND BAR HIGH SCHOOL - DSA STATU
. SEE EXIBIT 1 DSA APPL.# 03-42599 03-44242	AMOND BAR HIGH SCHOOL - DSA STATU DSA STATUS
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# **KEYNOTES**

DESCRIPTION

# 3.300 REMOVE PORTION OF (E) 8" CONCRETE SLAB ON GRADE FOR UNDER GRADE PLUBMING AND CONDUIT WORK, REPAIR AND PATCH WATER BARRIER AND CONCRETE, LOCATIONS SEE ELETRICAL, PLUMBING,

- 26 24R EXISTING PANEL ROARD TO REMAIN PROTECT IN PLACE
- 27.50 (E) MDF & (E) CONDUIT IN THE SHADED AREA TO REMAIN. CONTRACTOR TO PROTECT IN PLACE AND REMAIN OPERATIONAL DURING THE ENTIRTY OF THE CONSTRUCTION
- D01 (E) DOOR/FRAME/SIDELITE AND TRANSOM TO BE REMOVED INCLUDING FIN. HARDWARE. PREPARE (E) OPENING TO RECEIVE NEW DOOR AND FRAME
- D02 PORTION OF EXISTING DEEP SCORED CONCRETE BLOCK WALL TO BE REMOVED FOR NEW OPENING. REFER TO STRUCTURAL DRAWINGS FOR NEW OPENING REINFORCEMENT
- D03 (E) ELEVATOR DOOR AND FRAME TO TO REMOVED INCLUDING ALL APPURTENANCES D04 (E) ELEVATOR CAB TO BE REMOVED INCLUDING ALL APPURTENANCES
- D05 (E) ELEVATOR EQUIPMENT TO BE REMOVED INCLUDING ALL APPURTENANCES AND INFILL ELEVATOR
- D06 (E) DOOR AND FRAME TO BE REMOVED INCLUDING FINISH HARDWARE. IN-FILL OPENING TO MATCH ADJACENT MATERIALS. REFER TO MODERNIZATION DRAWINGS
- D07 (E) ALUMINUM FRAME STOREFRONT TO BE REMOVED D08 (E) GREEN HOUSE TO BE REMOVED INCLUDING ALL APPURTENANCES. CAP-OFF ALL UTILITIES AS
- REQUIRED. PATCH AND REPAIR ALL ADJACENT SURFACES TO MATCH ADJACENT SURFACES AND FINISHES D09 (E) DOOR AND FRAME TO BE REMOVED INCLUDING FINISH HARDWARE
- D10 PORTION OF EXISTING WOOD STUD WALL TO BE REMOVED. REFER TO STRUCTURAL DRAWINGS FOR NEW OPENING REINFORCEMENT D11 REMOVE (E) FLOOR FOR (N) SHAFT OPENING
- D12 REMOVE AND REPLACE EXISTING DRINKING FOUNTAIN W/HI-LO DRINKING FOUNTAIN WITH BOTTLE
- FILLER AND CERAMIC TILE BACK D14 (E) ALUMINUM STOREFRONT TO BE REMOVED INCLUDING FINISH HARDWARE. IN-FILL EXISTING
- OPENING TO MATCH ADJACENT SURFACES D15 REMOVE AND RELOCATE (E) ELECTRICAL PANEL(S). REFER TO ELECTRICAL DRAWINGS
- D15A (E) ELECTRICAL PANEL(S) TO REMAIN, PROTECT IN PLACE. REFER TO ELECTRICAL DRAWINGS D16 REMOVE (E) ELECTRICAL PANEL(S)
- D17 REMOVE (E) TELEPHONE CABINET AND BACKBOARD
- D18 REMOVE (E) SHOWCASE AND INFILL D19 REMOVE (E) MOTOR CONTROL
- D20 REMOVE (E) HVAC CONTROL D21 REMOVE (E) ROOF HATCH
- D22 ALL (E) STRUCTURAL COLUMNS, BEAMS AND OTHER MEMBERS TO REMAIN, PROTECT IN PLACE D23 (E) CMU OR CONCRETE WALL TO REMAIN & REMOVE (E) WALL FINISHING ONLY
- D24 (E) SHAFT TO REMAIN D26 DEMOLITION ALL TACKBOARD, DRYWALL, WALL FINISHING TO BARE STUDS/ CMU WALL AS OCCURS FOR
- ALL EXTERIOR WALLS D27 DEMOLITION (E) TACKBOARD, DRYWALL AND/ OR PLASTER TO BARE CONCRETE WALL
- D28 DEMOLITION (E) TACKBOARD, DRYWALL AND/ OR PLASTER TO BARE CMU WALL D29 REMOVE ALL (E) PLUMBING FIXTURES AND CAP UTILITIES TO WALL OR FLOOR AS REQUIRED. TYPICAL
- FOR ALL ROOMS. D30 REMOVE ALL (E) CASEWORK, COUNTER TOPS, TYPICAL FOR ALL ROOMS
- D31 DEMOLITION ALL (E) FURRING WALL AND CAP UTILITIES TO BARE STUDS/ CMU WALL AS OCCURS FOR ALL EXTERIOR WALLS D32 DEMOLITION ALL (E) TACKBOARD, DRYWALL, WALL FINISHING TO STRUCTURAL PLYWOOD SHEATHING
- D33 (E) WALL TO REMAIN, DEMOLITION (E) TACKBOARD, DRYWALL AND WALL FINISHING TO BARE PLYWOOD SHFAR WALL
- D34 PORTION OF EXISTING WALL TO BE REMOVED FOR NEW OPENING D35 REMOVE ALL (E) FLOOR FINSIHES TO (E) CONCRETE AND BASE MATERIALS IN ALL ROOMS

# TYPICAL DEMOLITION NOTES

# REMOVE ALL PARTITIONS SHOWN AS DASHED, COMPLETE WITH ALL CONDUITS AND PIPINGS. RE-ROUTE, RE-CIRCUIT, TERMINATE OR ABANDON ALL EXISTING SERVICES AS INDICATED ON THE ELECTRICAL, MECHANICAL AND PLUMBING DRAWINGS. PATCH AND REPAIR ALL AFFECTED AREAS AS PER NEW ROOM FINISH SCHEDULE FOR NEW MODEL CLASSROOM AND REPAIR EXISTING AREAS TO MATCH ADJACENT

SURFACES AND MATERIALS.	400
B. REMOVE CAREFULLY ALL PLUMBING FIXTURES AND TURN OVER TO THE DISTRICT AS IN THE PLUMBING DRAWINGS OR AS BEING DIRECTED BY THE OWNER. CAP-OFF UTILITIES (TO REQUIRED.	
C. REMOVE EXISTING CEILING FINISH, AS INDICATED INCLUDING ALL LIGHT FIXTURES, HV/ SUPPORT WIRINGS AND ANCHORS THROUGHOUT NOT INTENDED FOR USE.	AC F
D. REMOVE ALL WALL MOUNTED MARKERBOARDS, CHALKBOARDS, PROJECTION SCREEN ROOM ACCESSORIES (TYPICAL TO ALL CLASSROOMS). RETURN TO DISTRICT IN GOOD CONI	
E. REMOVE ALL EXISTING CASEWORK INCLUDING ALL COUNTERTOPS, SINKS, AND RELATI OFF OR EXTEND ALL UTILITIES AS REQUIRED PER NEW MODERNIZATION FLOOR PLAN.	ED I
F. REMOVE AND DISPOSE ALL EXISTING FLOOR FINISH INCLUDING BASE. PREPARE EXIST LEVEL AS REQUIRED TO RECEIVE NEW FLOOR FINISH AS ROOM FINISH SCHEDULE. PATCH A EXISTING CONCRETE SLAB AS REQUIRED PER NEW ROOM FINISH.	
G. REMOVE AND DISPOSE ALL EXISTING WALL FINISH INCLUDING ALL FURRING WALLS WH	ERE

- I. AT ALL WALLS TO REMAIN, REMOVE ALL INTERIOR FINISHES, INCLUDING BUT NOT LIMITED TO TACKBOARD, DRYWALL AND/OR PLASTER TO BARE STUDS, CMU, OR CONCRETE AS OCCURS.
- COORDINATE EXTENT OF DEMOLITION WITH THE NEW CONSTRUCTION PLAN.

# THE CONTRACTOR SHALL DISPOSE OF ALL REMOVED AND/OR DEMOLISHED MATERIALS, WASTE AND DEBRIS CAUSED BY THE WORK. THIS MATERIAL SHALL BE REMOVED FROM THE PROPERTY AND TAKEN TO A LEGALLY OPERATED DISPOSAL SITE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING, FITTING, OR PATCHING THAT MAY BE REQUIRED TO COMPLETE THE WORK OR TO MAKE ITS SEVERAL PARTS FIT TOGETHER PROPERLY. PENETRATION THROUGH RATED WALLS AND FLOORS SHALL BE SEALED WITH A MATERIAL CAPABLE

OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN SUBJECTED TO THE REQUIREMENTS OF THE TEST STANDARD SPECIFIC FOR FIRE STOPS. (ASTM-E-814)

M. CONTRACTOR TO INSTALL A DUST FREE HEAVY GAUGE PLASTIC BARRIER WALL. NEGATIVE AIR MACHINES SHALL BE ON AT ALL TIMES INCLUDING THE TIME WHILE THE CONSTRUCTION CREW IS WORKING

N. ALL EXISTING FIRE SPRINKLER HEADS (IF ANY), ELECTRICAL POWER SUPPLY STRIPS DUPLEX OUTLETS, CONTRACTOR SHALL ADJUST TO THE EXISTING DROP CEILING SYSTEM TO ACCOMMODATE THE NEW WALL SYSTEM.

. CONTRACTOR TO PROVIDE ALL REQUIRED PROTECTIONS AND NEGATIVE AIR, HEPA FILTER APPLICATIONS FOR THE CONSTRUCTION AREAS TO ELIMINATE AND REDUCE THE AMOUNT OF DUST, ODORS AND NOISE.

P. CONTRACTOR TO MAKE EFFORT TO CLEAN THE CONSTRUCTION AREA AS WELL AS OTHER LOCATIONS AFFECTED BY THE RENOVATIONS.

CONTRACTOR IS ALLOWED TO WORK ON OFF HOURS INCLUDING WEEKENDS WITH THE APPROVAL OF THE CONSTRUCTION MANAGER AND THE OWNER. R. ADDITIONAL REQUIREMENTS FOR THE PROJECT AS NOTED IN THE GENERAL REQUIREMENTS

SPECIFICATIONS DEMOLITION WITHIN THOSE LIMITS SHALL INCLUDE BUT NOT NECESSARILY BE LIMITED TO THE ITEM REFERENCED TO DEMOLITION KEY NOTES OR DEMOLITION GENERAL NOTE, AND SHALL INCLUDE ANY AND

ALL OTHER ITEMS NECESSARY TO COMPLETE THE WORK UNDER THIS CONTRACT. FOR ALL SUCH ITEMS WHICH ARE NOT INDICATED ON THESE DRAWINGS, CONTRACTOR SHALL WALK THE SITE PRIOR TO BIDDING TO DETERMINE THE TRUE EXTENT OF DEMOLITION OR REMOVAL WORK REQUIRED. THIS DRAWINGS IS INTENDED AS A GENERAL DEMOLITION PLAN. CONTRACTOR SHALL INCLUDE ALL

THER INCIDENTAL DEMOLITION NOT SPECIFICALLY INDICATED ON THIS PLANS BUT REQUIRED TO ACCOMPLISHED NEW WORK. NO CONCRETE MASONRY WALLS SHALL BE REMOVED OR CUT UNLESS SPECIFICALLY NOTED: WITH

LOCATIONS ON PLANS AND DETAILS ARE SHOWN. . ALL NEW EXTERIOR DOORS AND NEW WINDOWS (WHERE OCCURS) SHALL BE FITTED ON (E) OPENINGS WITHOUT ANY TRIMMING OR ENLARGING UNLESS SPECIFICALLY NOTED AT EACH LOCATION AND

W. THIS DRAWINGS IS INTENDED AS A GENERAL DEMOLITION PLAN. CONTRACTOR SHALL INCLUDE ALL OTHER INCIDENTAL DEMOLITION NOT SPECIFICALLY INDICATED ON THIS PLANS BUT REQUIRED TO ACCOMPLISHED NEW WORK.

SEE ALSO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION SCOPE OF WORK.

. DEMO ALL (E) INTERIOR SEISMIC SEPARATION JOINT COVER ASSEMBLIES ON GRIDLINE 7.

# DEMOLITION PLAN LEGEND

REFERENCE DETAILS ARE SHOWN.

	(E) STUD WALL TO REMAIN
======	(E) PARTITION WALLS TO BE REMOVED, SEE A2.01 FOR MORE INFORMATION
******	(E) DEEP SCORED/ SPLIT FACE CONCRETE BLOCK WALL TO REMAIN, U.N.O.
<u> </u>	(E) DEEP SCORED/ SPLIT FACE CONCRETE BLOCK WALL W/ FURRING WALL
	(E) CASEWORK TO BE REMOVED
	(E) ACOUSTIC CEILING PANEL AND GRID TO BE REMOVED
	(E) GYPSUM BROAD CEILING TO BE REMOVED
	(E) DOOR AND FRAME TO BE REMOVED

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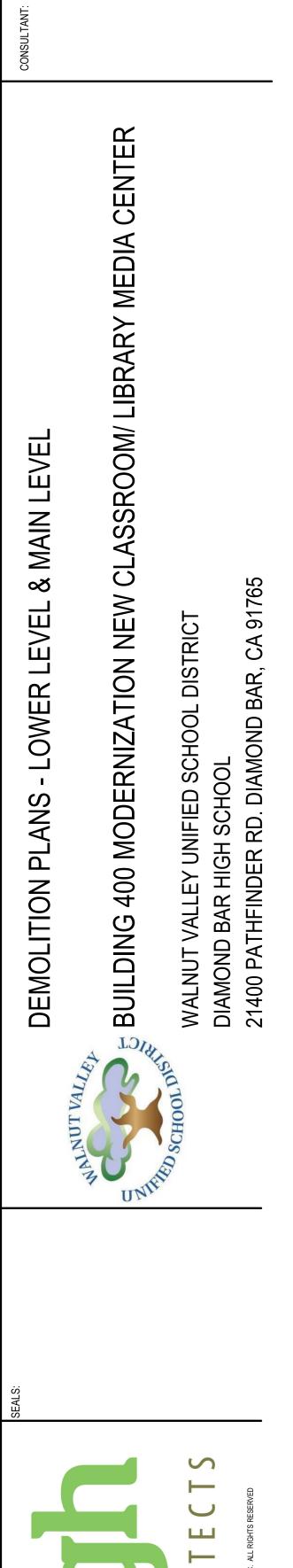
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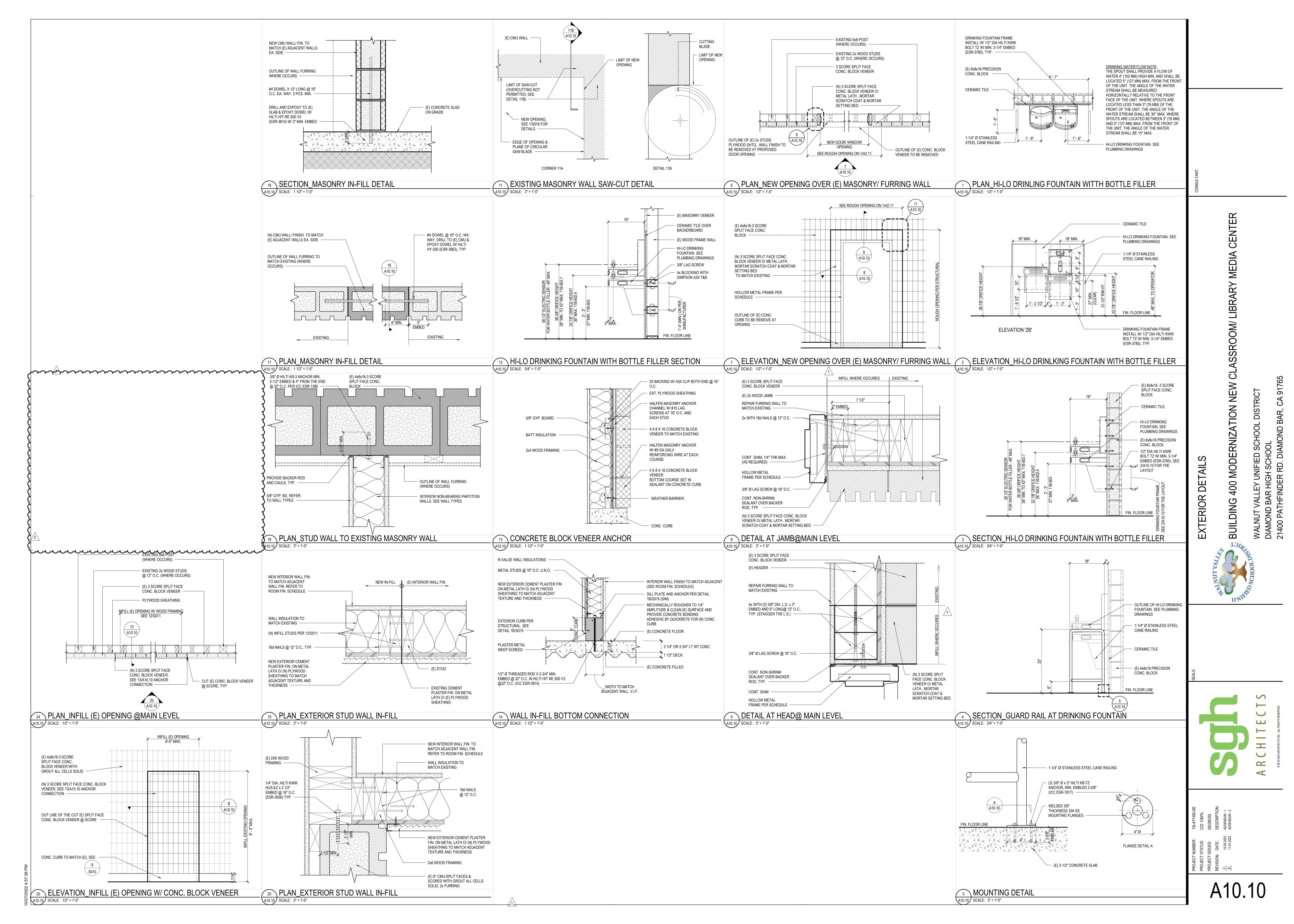


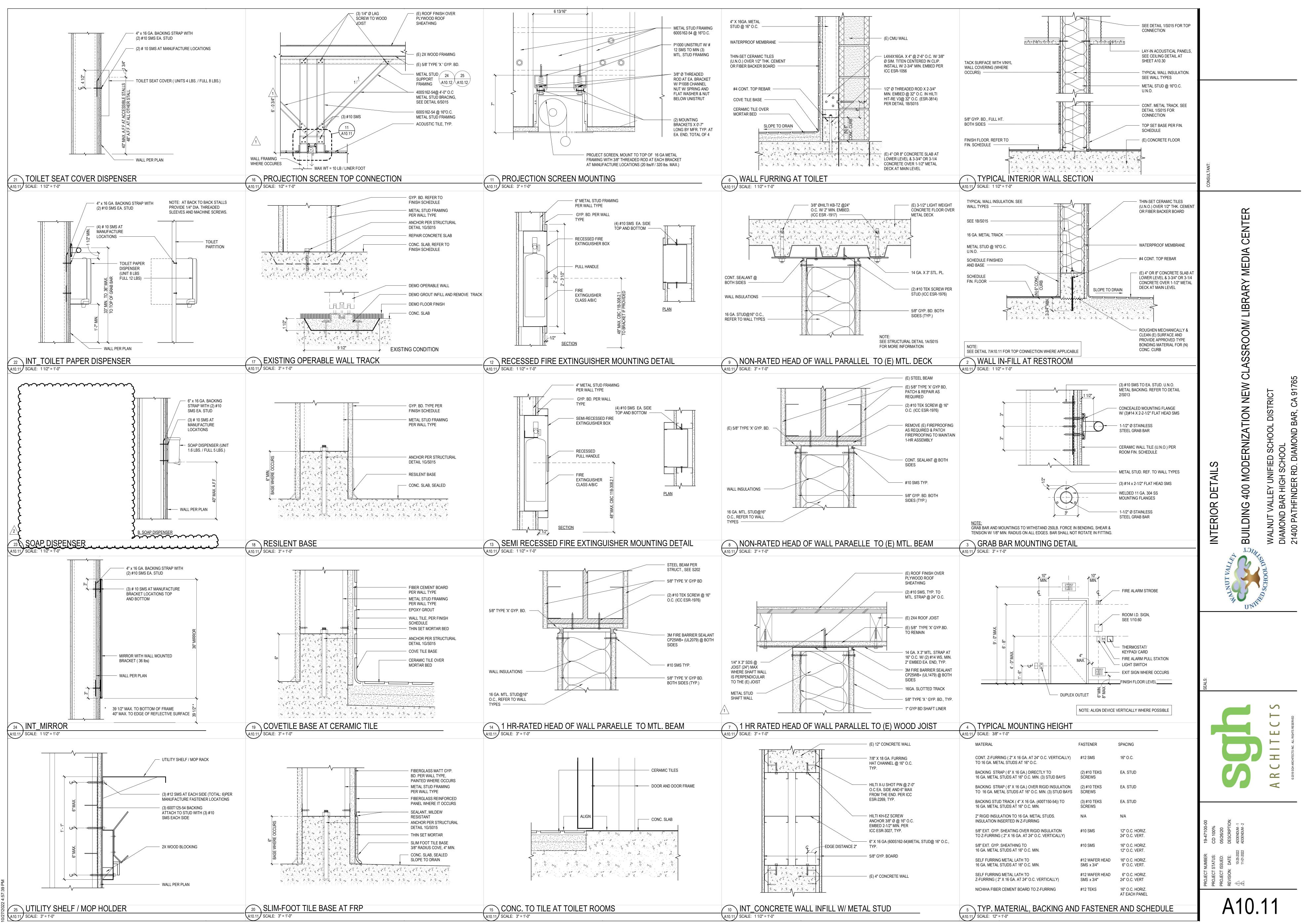


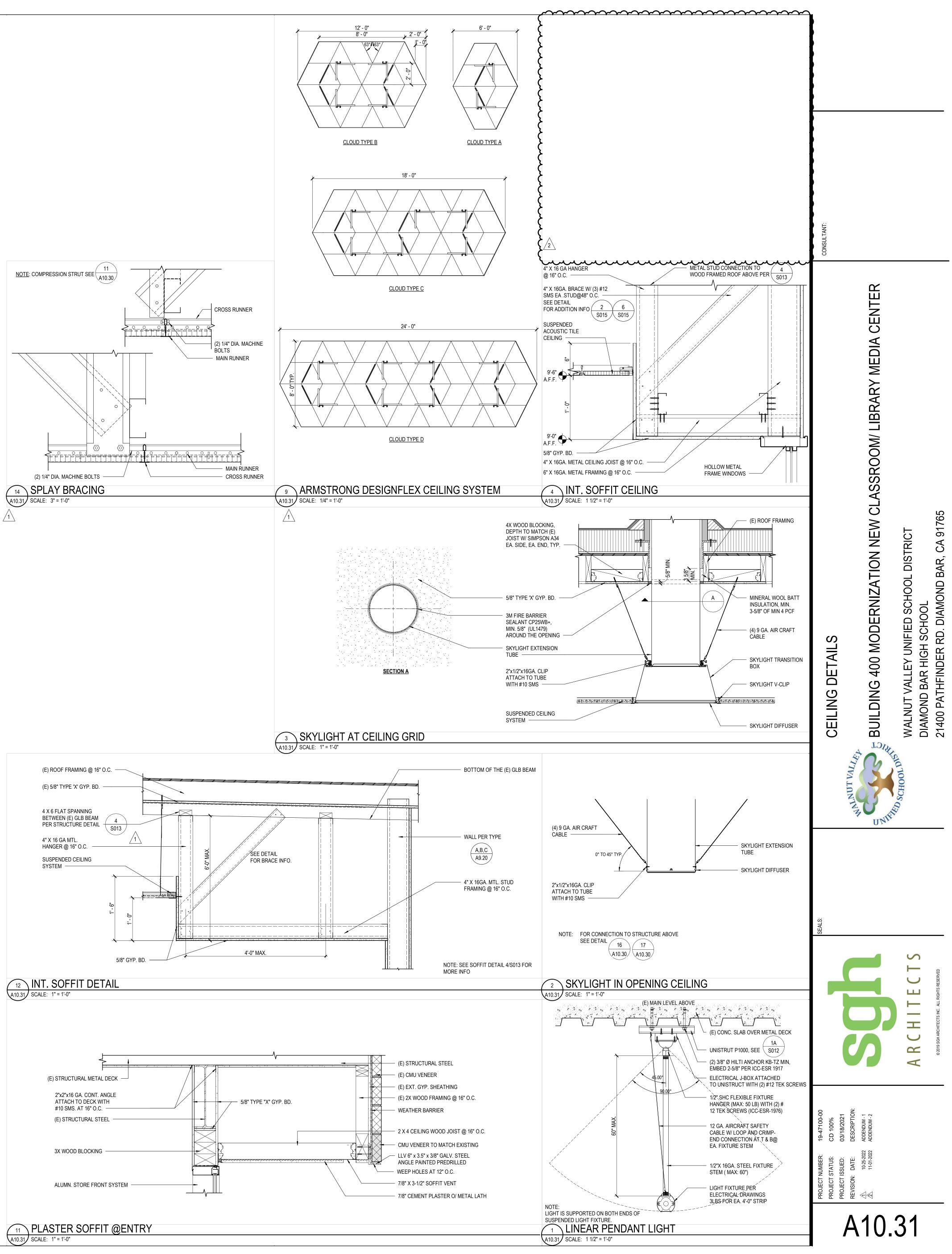
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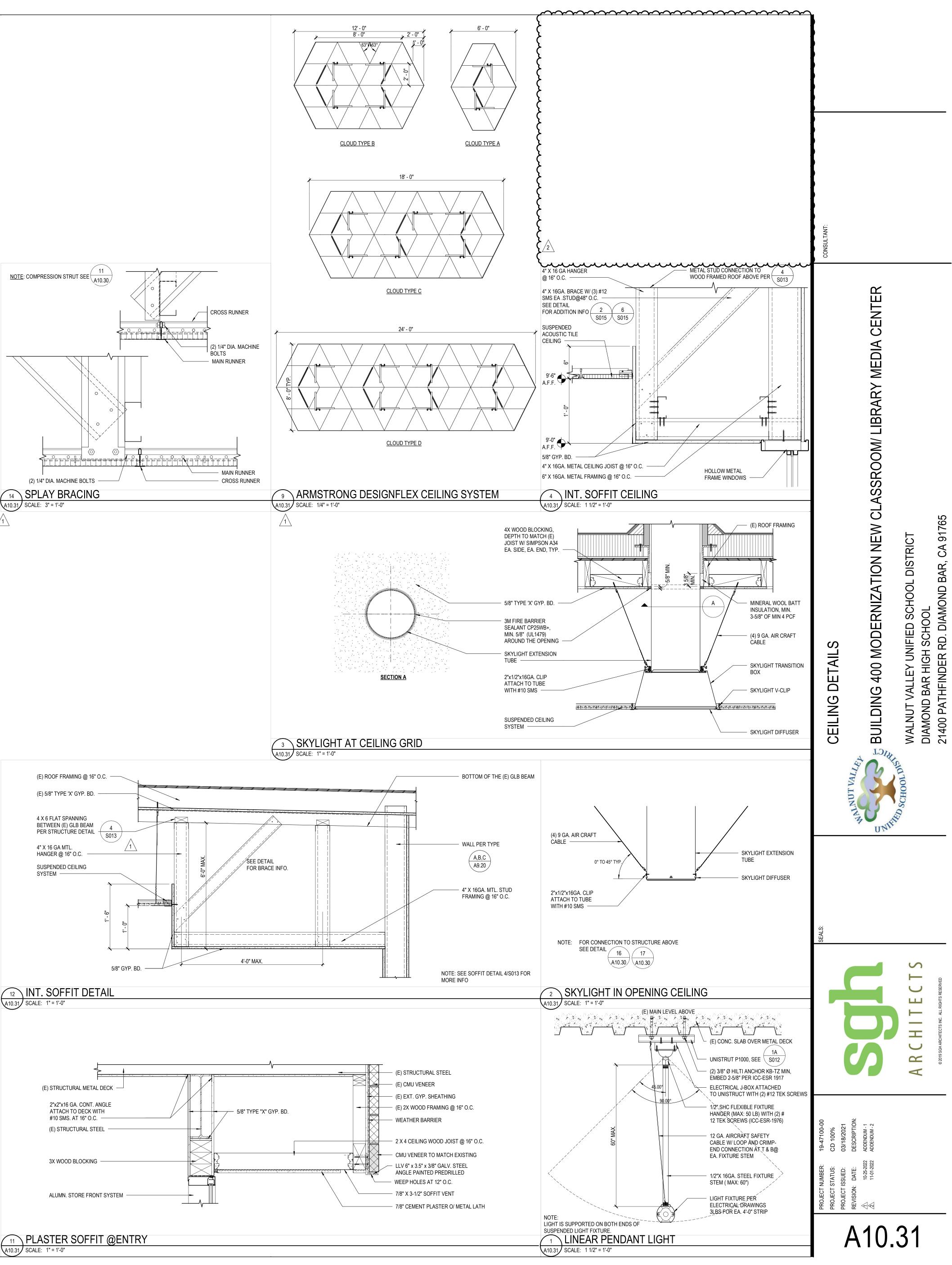
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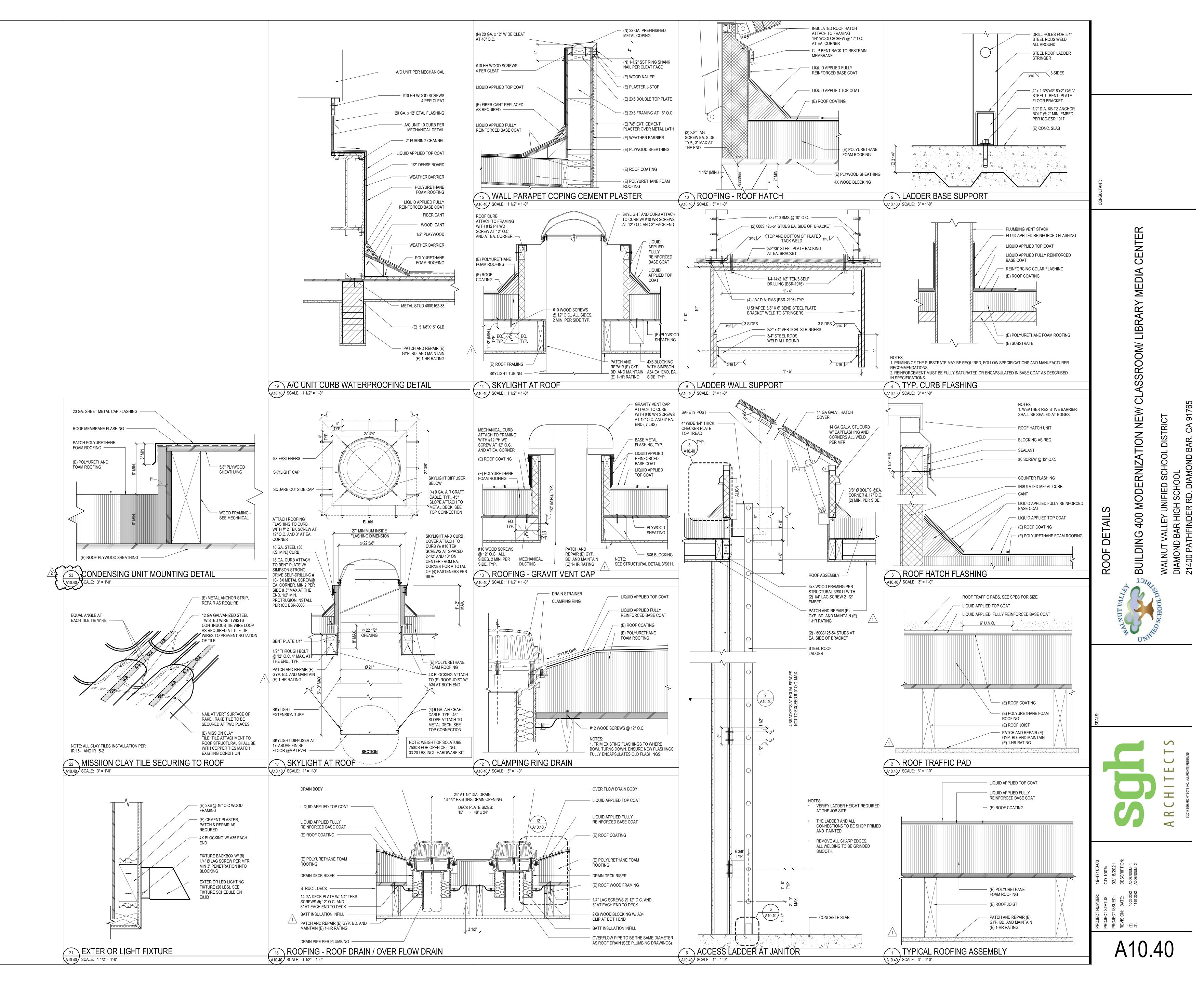
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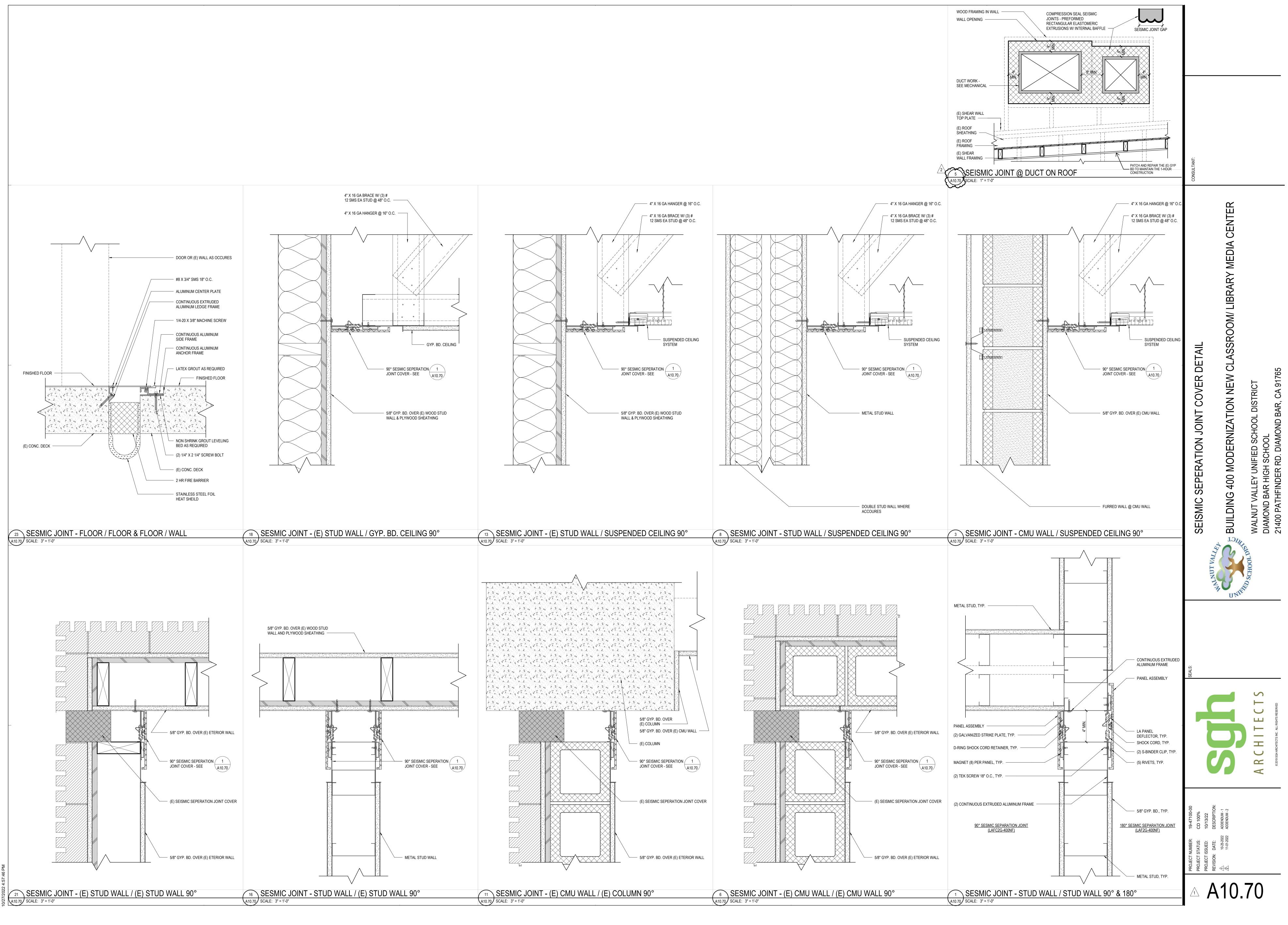


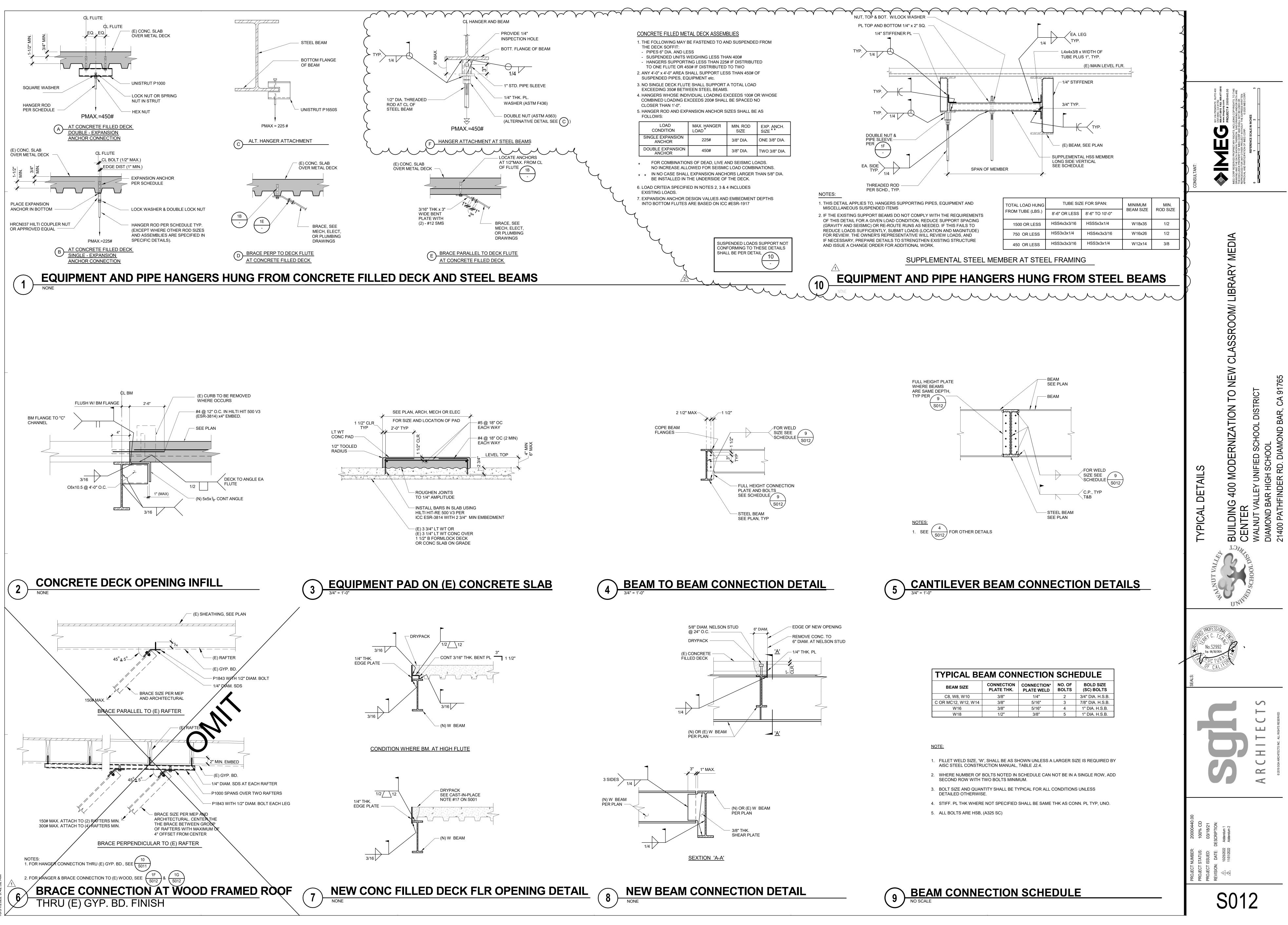




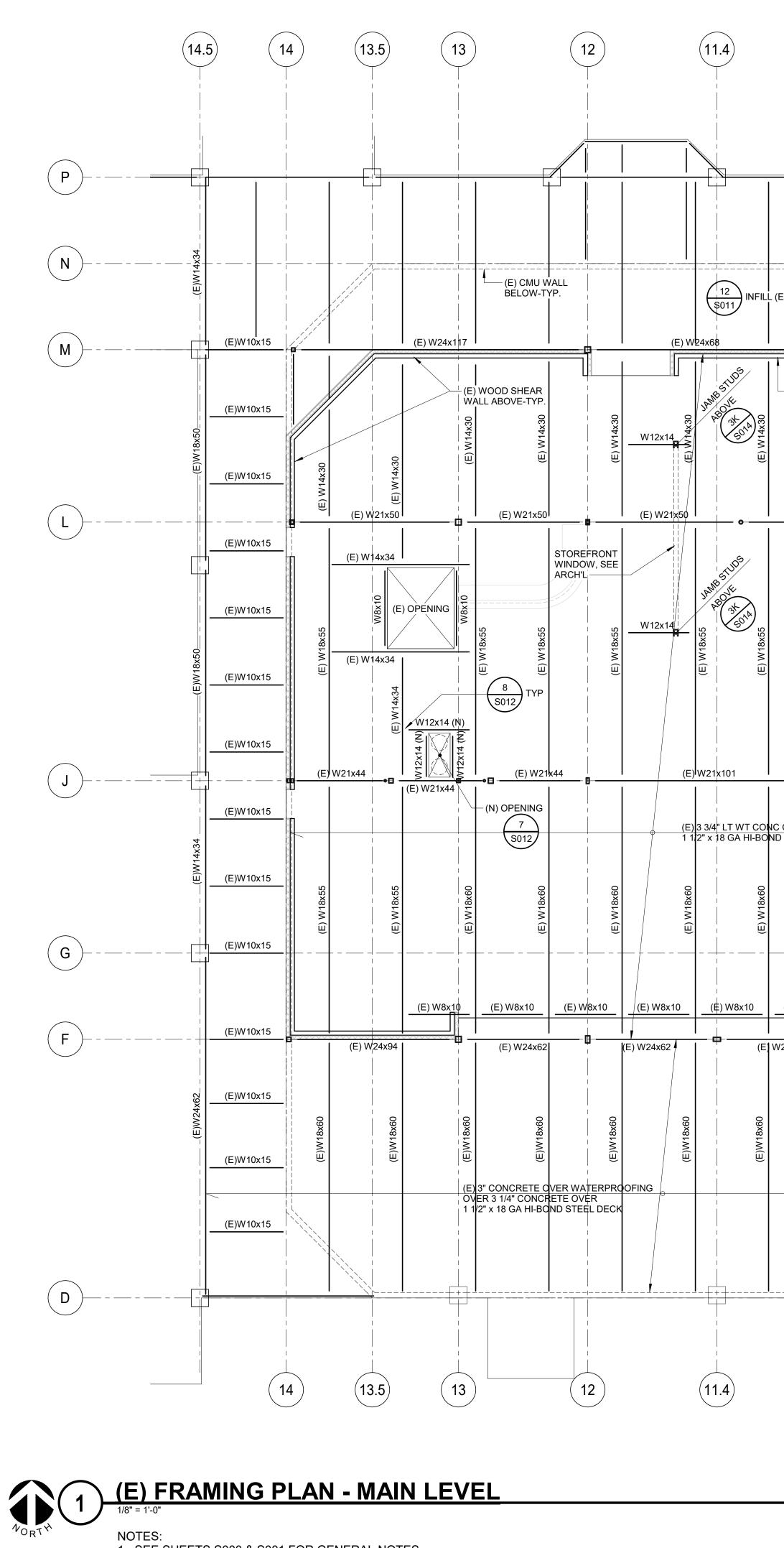






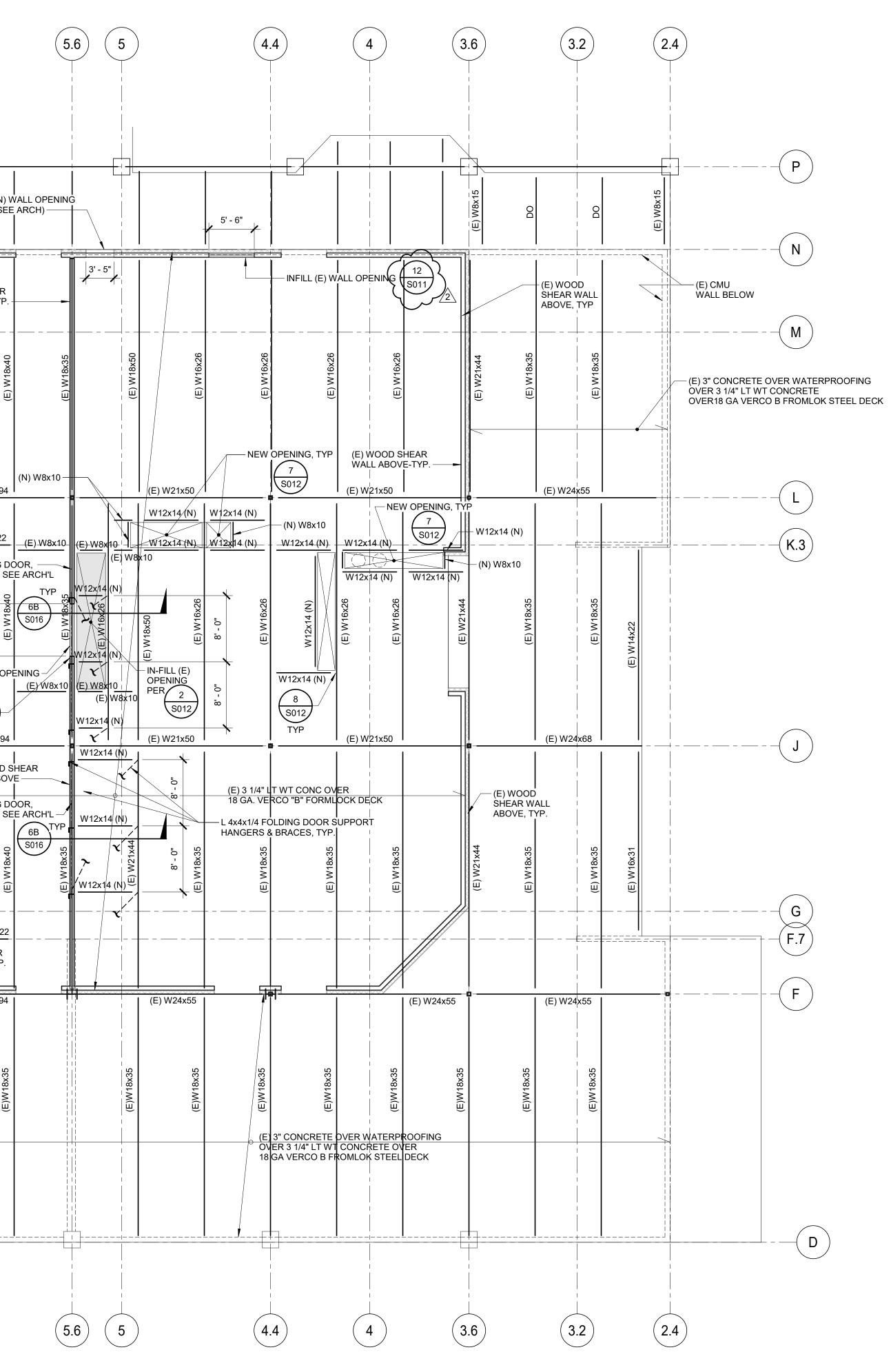


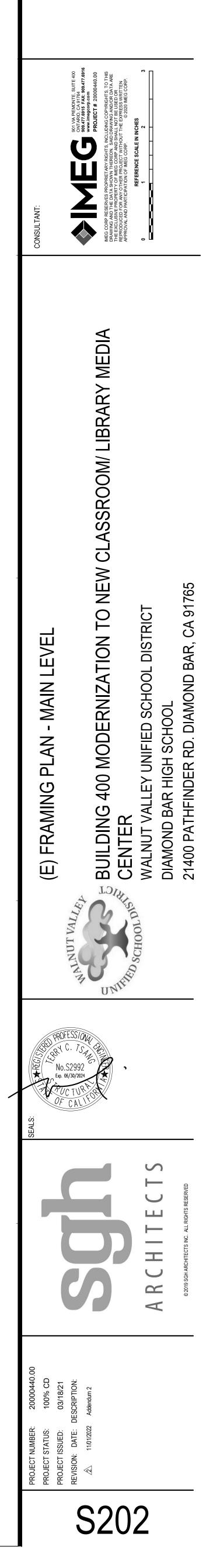
TYPICAL BEAM CONNECTION SCHEDULE					
BEAM SIZE	CONNECTION PLATE THK.	CONNECTION* PLATE WELD	NO. OF BOLTS	BOLD SIZE (SC) BOLTS	
C8, W8, W10	3/8"	1/4"	2	3/4" DIA. H.S.B.	
C OR MC12, W12, W14	3/8"	5/16"	3	7/8" DIA. H.S.B.	
W16	3/8"	5/16"	4	1" DIA. H.S.B.	
W18	1/2"	3/8"	5	1" DIA. H.S.B.	

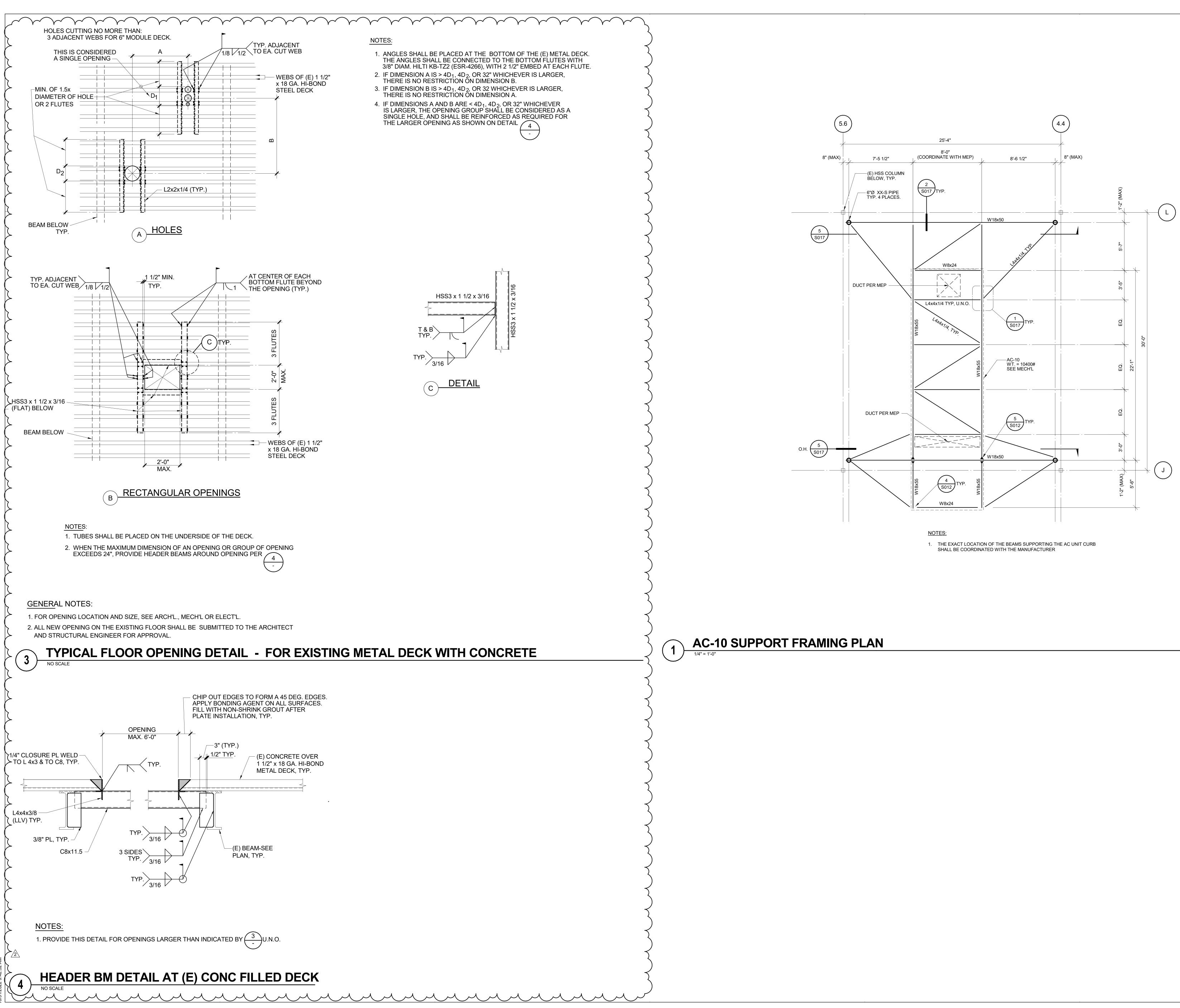


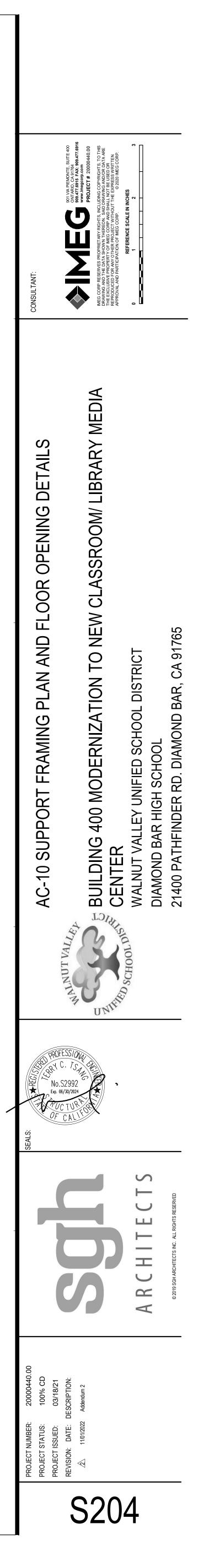
1. SEE SHEETS S000 & S001 FOR GENERAL NOTES. 2. SEE SHEETS S010 THRU S016 FOR TYPICAL DETAILS. 3. SEE 3 FOR OPENING DETAIL ON FLOOR, U.N.O.

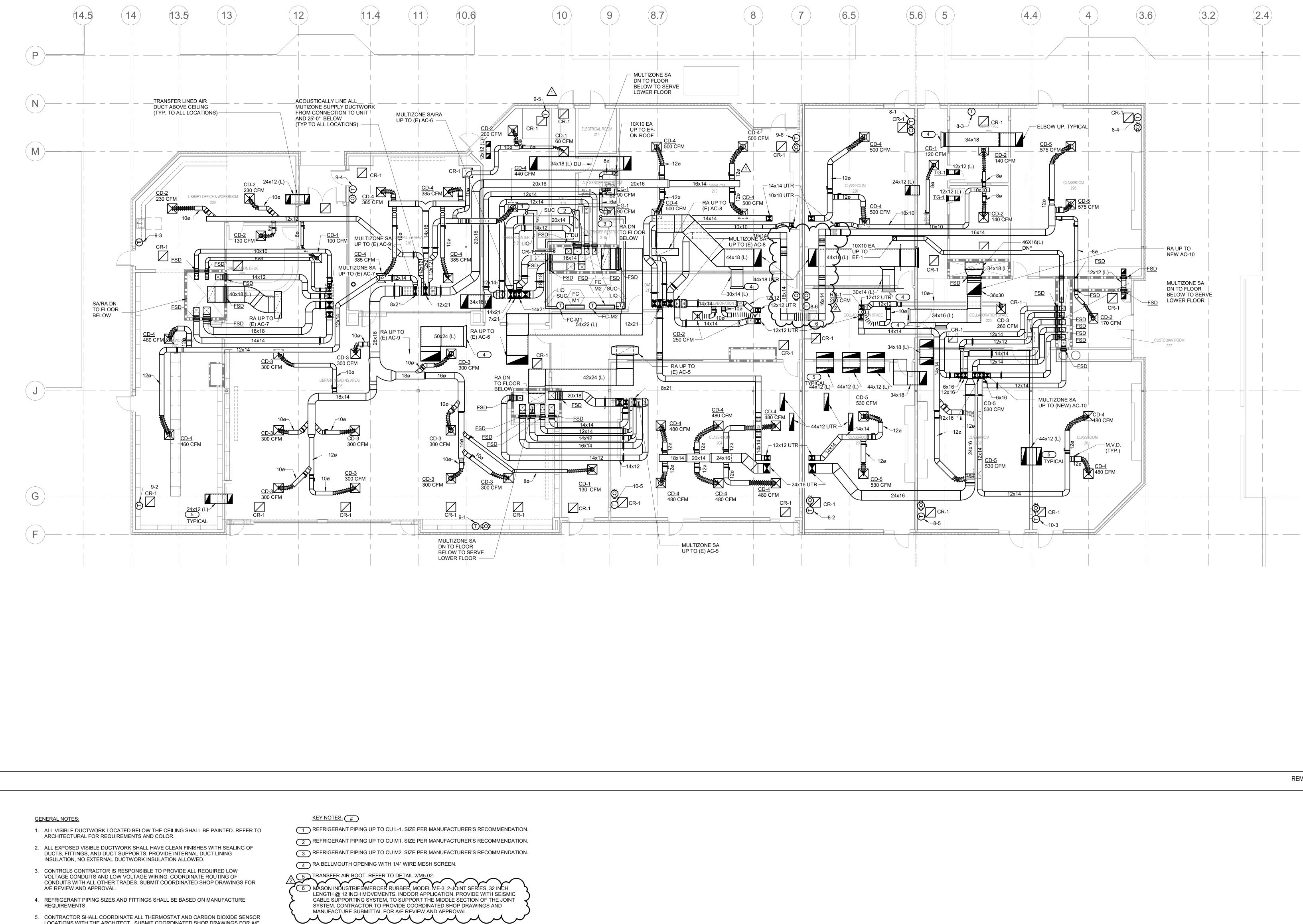
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	12 S011	NFILL (E) WALL (											
		IN-FILL (E) OPE 3 1/4" LT. WT. C 18 GA. VERCO (IAPMO ER-021	CONC. OVER	12 S010	(N) WALL OF (SEE ARCH)	PENING 8 S011	)					–4 1/8" SEP. JT.	8 (N) WA S011 (SEE A
(E) WALI			2 S012	(E)W8x10		0. 		E) WOOD SHEAR (ALL ABOVE-TYP.				(E) WC WALL	DOD SHEAR ABOVE-TYP
(E) W WAL	(E) W14x30 A 000 S S 000 N S 000 N	HEAR E-TYP (E) M18x22	(E) <u>W</u> 1 <u>8x55</u>	(J) W18X29	(E) W16x40	(E) W16x40		(E) W 16X40 (E) W16X40	(E) W14x34	BELOW		(E) W18x35 (E) W27x94	(E) W18x40
(E) M	V21x50			(E) W24x117	(E) OPENING	(Ē) W8x10	(E) W	24x104		(E) W16x26 (Ξ)		(E) W27x94 (E) WOOD WALL ABO	VE-TYP.
	8x55	— – — – — – – – – – – – – – – – – – 8x55	8×555	8x65	(E) W14x34		- - -	04X0 04X0 04X0	(N) WALL OPEN               			(E) W18x35 (E) W18x35 (E) W18x35 (E) W18x35 (E) W18x35	FOLDING DOG BELOW - SEE
	(E) W18x55	— — — — — — — — — — — — — — — — — — —	(E) <u></u>	(E) W18x65	(E) W14x34	(E) W18x65		(E) W16x40 (E) W16x40 (E) W16x40	W12x14 (N)	ХЧИ "9- 9 W12x14 (N) W12x14 (N)		(E) W18x35 (E) W18x35 (E) W18x35	ALL OF THE
			(E) W24	x146 (E) OPENING		     <b>   </b>	(E) W2	NEW OPENING				) W8x10	(E) W27x94
	L DECK		(E)	(E) W14x30	-								WALL ABOVE
		(E) W18x60	(E) W18x65 (E) W16x65	(E) W18x65	(E) W16x45	(E) W16x45		(E) W16x45 (E) W16x45 (E) W16x45	(E) W16x45	(E) W16x40		(E) W18x35 (E) W18x35 (E) W18x35	(E) W18x40
(E) W8	3x10				(E) W8x10	(E) W8x10	(E) W8x10	(E) <u>W8x10</u>  W24x131	(E) W8x10	(E) W8x10 (E) W24x62		(E) W14x22 (E) W0 WALL /	(E) W14x22 OD SHEAR ABOVE-TYP.
W24x62	12	(E) W243		(E) W2	4x84		(E	) WOOD SHEAR ALL ABOVE-TYP.	(E) CI WALL	V16x31			(E) W27x94
	(E)W18x60	(E)W18x60	(E)W18x60	(E)W18x60	(E)W18x60	(E)W18x60		(E)W18x60	(E)W18x60		/(E)W18x35	(E)W30x16	(E)W18x35
				(N) 2x4 E @ 8'-0" O ~ (E) W	RACES C., TYP.			(E) CMU BELOW-	WALL   TYP.				
	<u></u>			- <u></u> <u>A=L</u> W	6A S013 6B	<b>ġ</b> '       					++++		
(11		(10.6)	(10.3	3) (1	0)	9	(8.7)		8		7)	(6	.6)





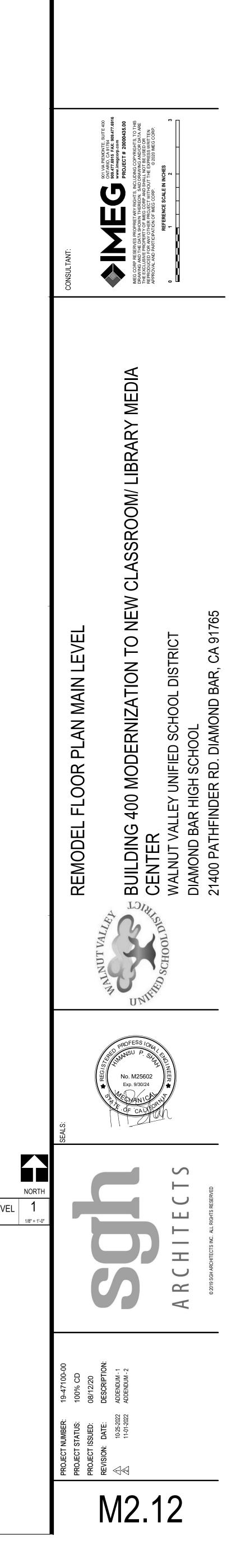


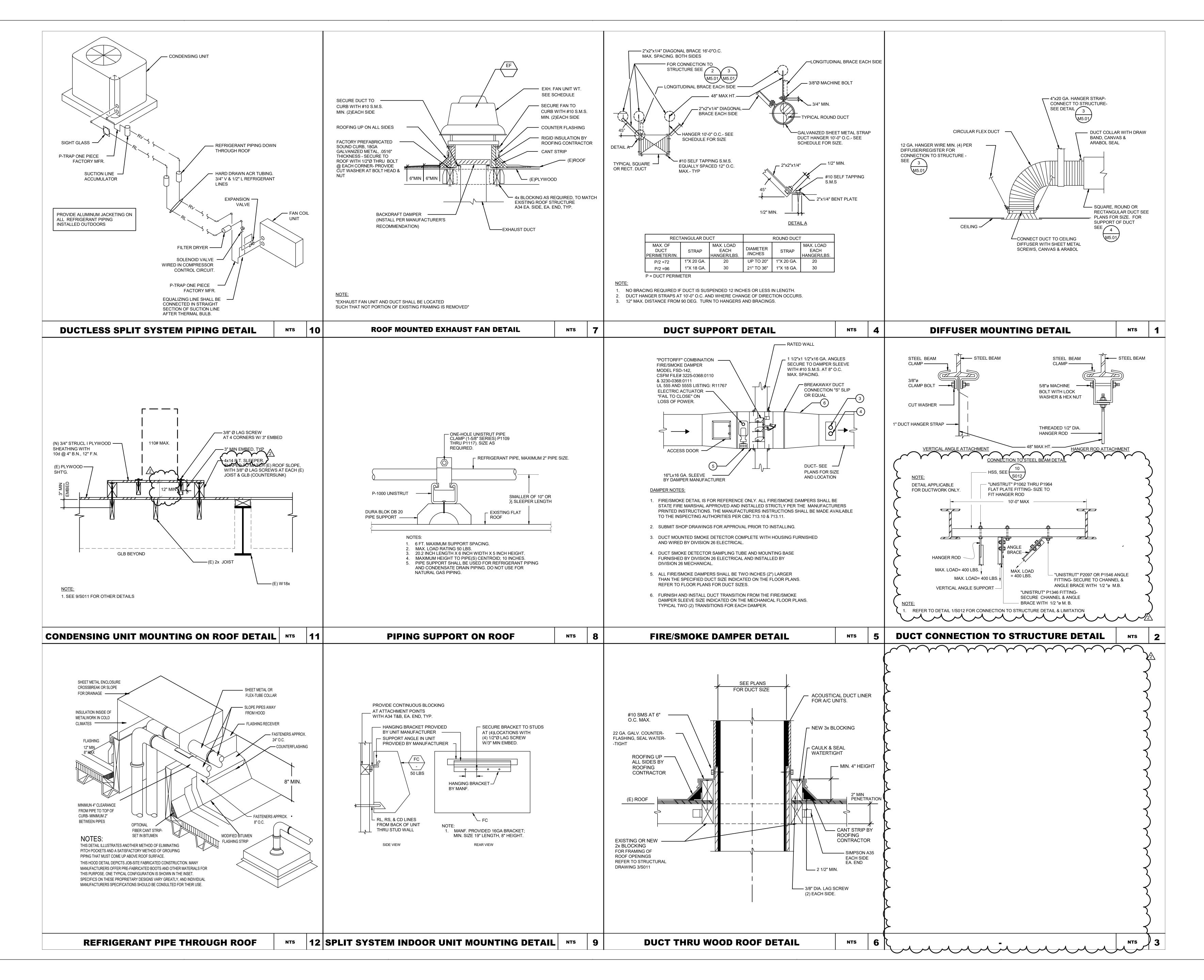


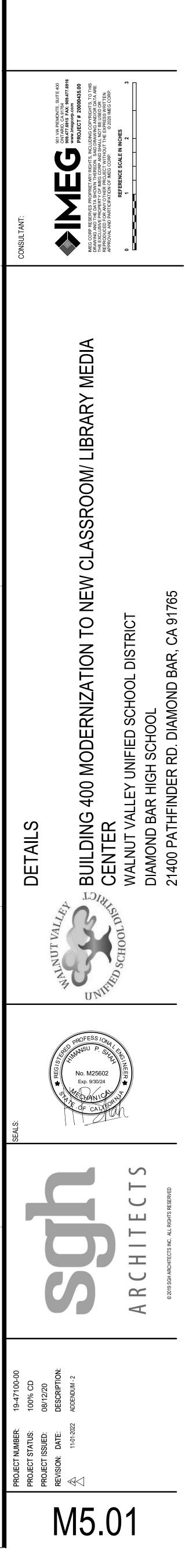


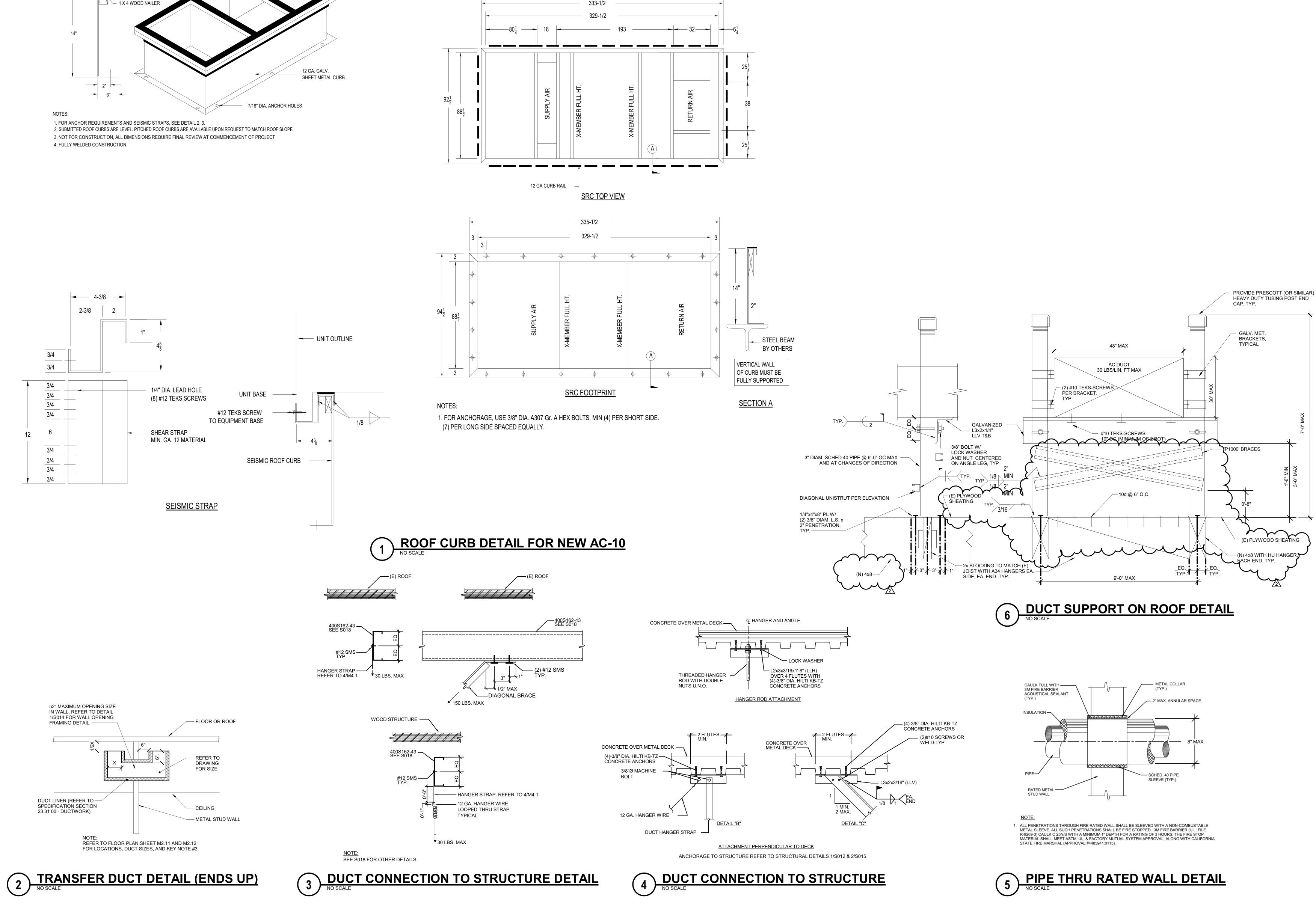
5. CONTRACTOR SHALL COORDINATE ALL THERMOSTAT AND CARBON DIOXIDE SENSOR LOCATIONS WITH THE ARCHITECT. SUBMIT COORDINATED SHOP DRAWINGS FOR A/E REVIEW AND APPROVAL.

REMODEL FLOOR PLAN MAIN LEVEL





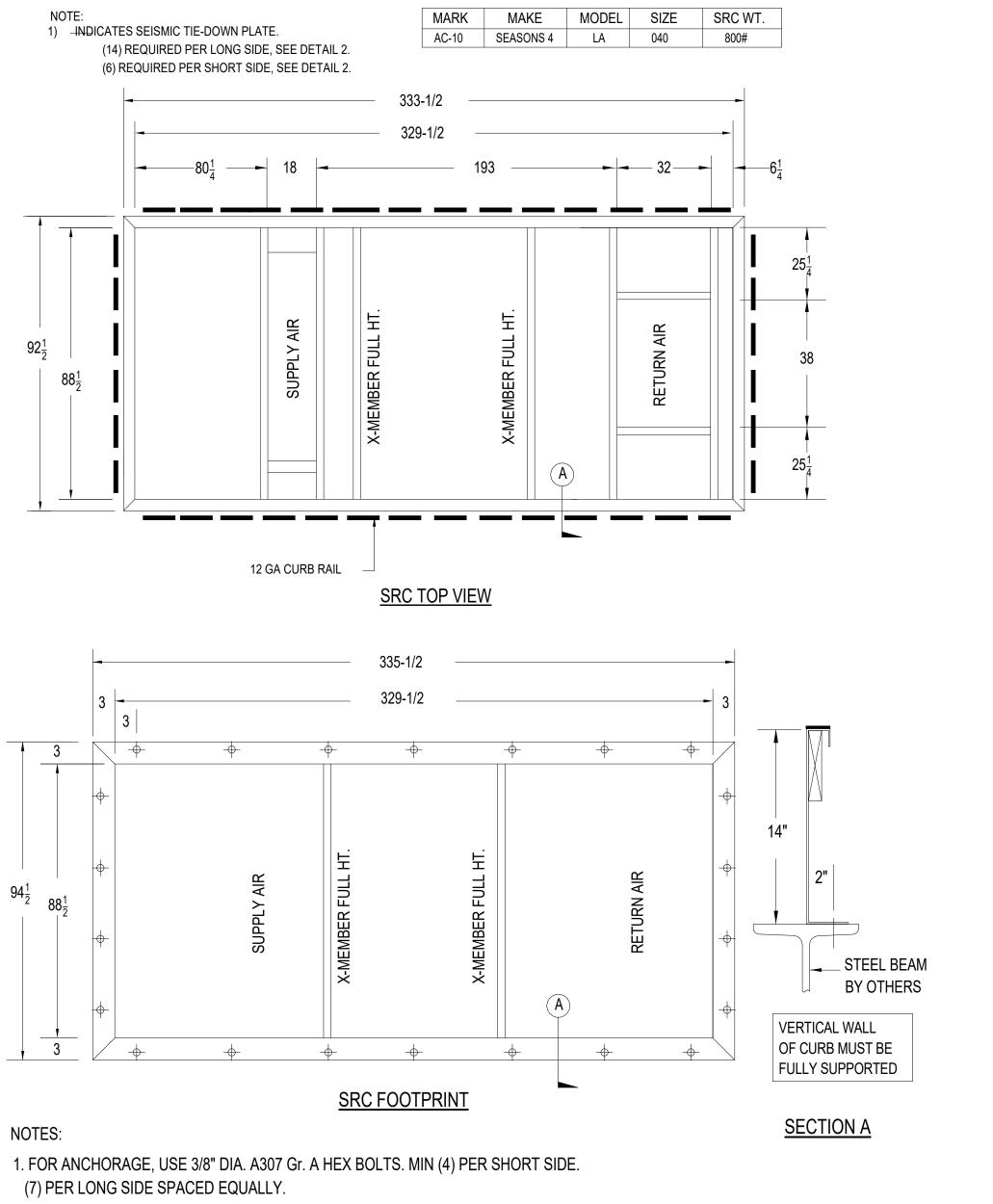




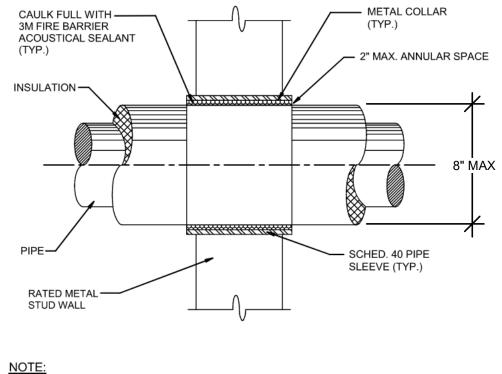
1/4" NEOPRENE

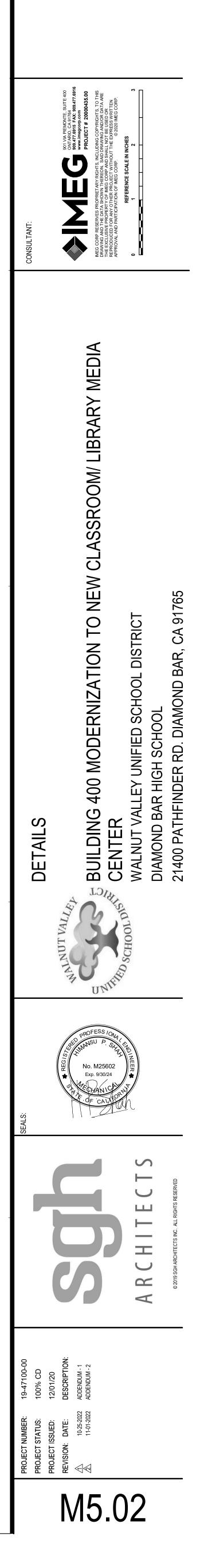
PAD

2





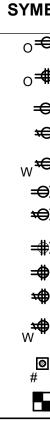




# **ELECTRICAL SYMBOL LIST** SYMBOL: DESCRIPTION:

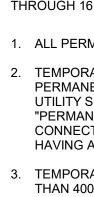
HD HAND DRYER

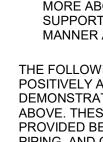
ELECTRICAL SYMBOL LIST					
SYMBOL:	DESCRIPTION:				
S	SWITCH - SINGLE POLE				
s <sub>K</sub>	SWITCH - SINGLE POLE - KEY LOCK				
s <sub>w</sub>	SWITCH - WEATHERPROOF				
$D_D$	DIMMER - LED				
$D_{D3}$	DIMMER - LED - 3-WAY				
D <sub>O</sub>	DIMMER - WALL DIMMER OCCUPANCY SENSOR				
LS	DAYLIGHT LEVEL SENSOR				
LS 3	DAYLIGHT LEVEL SENSOR - 3 ZONE				
LS <sub>D</sub>	DAYLIGHT LEVEL SENSOR - 1 ZONE DIMMING				
LS 3D	DAYLIGHT LEVEL SENSOR - 3 ZONE DIMMING				
PC	PHOTOCELL				
© <sub>D</sub>	OCCUPANCY SENSOR - DUAL TECHNOLOGY				
OC D	OCCUPANCY SENSOR - DUAL TECHNOLOGY - WALL MOUNTED				
s <sub>o</sub>	SWITCH - OCCUPANCY SENSOR WALL SWITCH				
\$ <sub>O2</sub>	SWITCH - OCCUPANCY SENSOR AND DUAL SWITCH				
	LIGHTING CONTROL STATION				

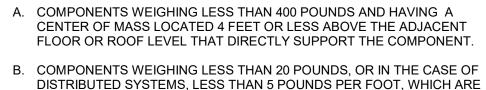
















LOADS.

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

MP [ ] MD [ ] PP [ ] E [X] OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS. OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL MP[]MD[] PP[] E[] (OPM #) #\_\_\_\_\_.

ELE	CTRICAL SYMBOL LIST
BOL:	DESCRIPTION:
€	DUPLEX RECEPTACLE CONTROLLED BY OCCUPANCY
₽	QUAD RECEPTACLE CONTROLLED BY OCCUPANCY
€	DUPLEX RECEPTACLE, 125V
€	DUPLEX GFI RECEPTACLE, 125V
€	DUPLEX GFI WEATHERPROOF RECEPTACLE 125V
<b>≫</b> >	DUPLEX RECEPTACLE, TAMPER RESISTANT, 125V
<b>≫</b> ∳>	GFI DUPLEX RECEPTACLE, TAMPER RESISTANT, 125V QUAD RECEPTACLE, TAMPER RESISTANT, 125V
<b>þ</b>	QUAD RECEPTACLE, 125V
•	QUAD GFI RECEPTACLE, 125V
•	QUAD GFI WEATHERPROOF RECEPTACLE, 125V
D	FLOOR BOX - POKE THRU, 125V
	POWER POLE

# **ELECTRICAL SYMBOL LIST**

IBOL:	DESCRIPTION:
GB	GROUND BUS
E	ELECTRICAL CONNECTION
	JUNCTION BOX
0	FLOOR BOX - DUPLEX RECEPTACLE
$\mathbf{\nabla}$	FLOOR BOX - DUAL COMPARTMENT
$\Box$	FLOOR BOX - MULTI SERVICE
	MULTI OUTLET SYSTEM
♥☑	ELECTRICAL WIREWAY w/ DEVICES SHOWN
	PANELBOARD - RECESS MOUNT
	PANELBOARD - SURFACE MOUNT
$\leq$	TRANSFORMER. REFER TO TRANSFORMER SCHEDULE
	DISCONNECT. REFER TO DISC/STA SCHEDULE

# **MEP COMPONENT ANCHORAGE NOTES:**

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13. 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.

2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.

3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING 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

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE

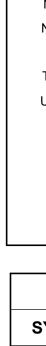
SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

# **PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM**

PIPING. DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2019 CBC, SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.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., OSHPD OPM FOR 2013 CBC OR LATER ), 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

VIE	W KEY
	1
	INDICATES DIRECTION OF TRUE NORTH
	PLAN OR DETAIL NUMBER
	PLAN OR DETAIL NAME
	/ NAME
ν <sub>ORT</sub> ν 1/8" = 1'-0"	PLAN OR DETAIL SCALE
SIM	INDICATES SIMILAR DETAIL REFERENCED IN MULTIPLE LOCATIONS DETAIL REFERRED TO BY SECTION CUT
1	
M101 <del>/-</del>	SHEET DETAIL IS LOCATED ON
SIM	INDICATES SIMILAR DETAIL REFERENCED IN MULTIPLE LOCATIONS
4 2	DETAIL REFERRED TO BY ELEVATION
<u>√</u> 3 <u>∕</u> _T101 <del>_</del>	SHEET DETAIL IS LOCATED ON
LINE TYPE AND TAG KEY:	
WIDE, DARK SOLID LINE)	
— — — — NEW WORK UNDERFLOOR C (WIDE, DARK LONG DASHED	OR UNDERGROUND BY THIS CONTRACTOR LINE)
	Ξ)
——— —— EXISTING TO BE REMOVED E (WIDE, DARK OR HALFTONE	
'TAG'-E TAGS WITH DASH 'E' INDICAT	TES THE REFERENCED OBJECT IS EXISTING
	ES ADDITIONAL INFORMATION CAN BE FOUND E, MATERIAL LIST, OR SYMBOL LIST
APPLICA	BLE CODES
<ul> <li>OF REGULATIONS (CCR) TITLE 24, PAF</li> <li>2019 CALIFORNIA BUILDING CODE (CB TITLE 24, PART 2 (2018 INTERNATIONA AMENDMENTS)</li> <li>2019 CALIFORNIA ELECTRICAL CODE (</li> </ul>	DS ADMINISTRATIVE CODE CALIFORNIA CODE RT 1 C) CALIFORNIA CODE OF REGULATIONS (CCR) L BUILDING CODE (IBC) W/CALIFORNIA CEC) CALIFORNIA CODE OF REGULATIONS L ELECTRICAL CODE (NEC) W/CALIFORNIA
TITLE 24, PART 4 (2018 UNIFORM MECH	CALIFORNIA CODE OF REGULATIONS (CCR) HANICAL CODE (UMC) W/CALIFORNIA
24, PART 5 (2018 UNIFORM PLUMBING	LIFORNIA CODE OF REGULATIONS (CCR) TITLE CODE (UPC) W/CALIFORNIA AMENDMENTS) Y STANDARDS CODE CALIFORNIA CODE OF
<ul> <li>REGULATIONS (CCR) TITLE 24, PART 6</li> <li>2019 CALIFORNIA FIRE CODE (CFC) CA 24, PART 9 (2018 INTERNATIONAL FIRE</li> </ul>	LIFORNIA CODE OF REGULATIONS (CCR) TITLE
<ul> <li>2019 CALIFORNIA REFERENCED STAN REGULATIONS (CCR) TITLE 24, PART 1</li> <li>AMERICANS WITH DISABILITIES ACT (A BUIL DINGS AND FACILITIES (ADAAG) 1</li> </ul>	
AMENDMENTS TO-DATE <ul> <li>CALIFORNIA CODE OF REGULATIONS</li> </ul>	
STANDARDS:	
NFPA 13AUTOMATIC SPRINKLER SYSTNFPA 14STANDPIPE SYSTEMS (2019)NFPA 17DRY CHEMICAL EXTINGUISHINNFPA 17aWET CHEMICAL SYSTEMS (20NFPA 20STATIONARY PUMPS (2019)NFPA 22WATER TANKS FOR PRIVATE FNFPA 24PRIVATE FIRE MAINS (2019)NFPA 72NATIONAL FIRE ALARM AND SINFPA 80FIRE DOORS AND OTHER OPENFPA 92STANDARD FOR SMOKE CONT	G SYSTEMS (2017) 17) FIRE PROTECTION (2018) GNALING CODE (2019) NING PROTECTIVES (2019)



DURING NORMAL POWER.



# **ELECTRICAL RENOVATION NOTES:**

THESE NOTES APPLY TO ALL ELECTRICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, LIGHTING, POWER, AND SYSTEMS. 1. EXISTING CONDITIONS ARE SHOWN BASED ON INFORMATION OBTAINED FROM FIELD SURVEYS, EXISTING BUILDING DOCUMENTS, AND STAFF. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS BEFORE PROCEEDING. 2. NOT ALL EXISTING EQUIPMENT, LUMINAIRES, AND CONDUIT ARE SHOWN. VERIFY EXISTING CONDITIONS AND REPORT ANY CONFLICTS WITH NEW WORK BEFORE STARTING WORK. 3. FIELD VERIFY THE AVAILABLE CLEARANCES FOR CABLE TRAY, BUSWAY AND CONDUITS BEFORE FABRICATION. RISES AND DROPS MAY BE NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS. 4. EACH CONTRACTOR SHALL FIELD VERIFY ACCESSIBILITY TO THE AREA OF HIS/HER WORK

AND SHALL NOTIFY THE **GENERAL MANAGER** PRIOR TO BIDDING IF OTHER UTILITIES ARE REQUIRED TO BE REMOVED OR RELOCATED TO ALLOW ACCESS TO HIS/HER AREA OF

WORK

5. [THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CUTTING, REMOVAL AND PATCHING OF ROOFS, WALLS, AND FLOORS ASSOCIATED WITH WORK BY ALL CONTRACTORS. CONTRACTORS SHALL NOTIFY THE GC OF AFFECTED AREAS PRIOR TO BIDDING 6. THE <u>GENERAL CONTRACTOR</u> IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF CEILINGS, CEILING TILES, AND CEILING GRIDS ASSOCIATED WITH AREAS OF WORK BY ALL CONTRACTORS. NOTIFY THE GENERAL CONTRACTOR OF AFFECTED AREAS PRIOR TO BIDDING

7. WHERE EXISTING ELECTRICAL SYSTEMS ARE LOCATED IN AREAS THAT CONFLICT WITH NEW EQUIPMENT, PIPING, OR DUCTWORK TO BE INSTALLED, EACH CONTRACTOR SHALL EITHER ARRANGE NEW EQUIPMENT, CONDUIT, OR DUCTWORK IN SUCH A FASHION THAT IT DOES NOT CONFLICT WITH EXISTING SYSTEMS, OR REWORK EXISTING ELECTRICAL SYSTEMS TO ALLOW FOR INSTALLATION OF NEW EQUIPMENT, PIPING, OR DUCTWORK.

# **ELECTRICAL LIGHTING DEMOLITION NOTES:**

1. THE ELECTRICAL LIGHTING DRAWINGS INDICATE EXISTING ELECTRICAL ITEMS TO BE REMOVED. THE DRAWINGS ARE INTENDED TO INDICATE THE SCOPE OF WORK REQUIRED AND DO NOT INDICATE EVERY BOX, CONDUIT, OR WIRE THAT MUST BE REMOVED. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID AND VERIFY EXISTING CONDITIONS. . EQUIPMENT REMOVAL IN CERTAIN LOCATIONS MAY REQUIRE THE INSTALLATION OF A

JUNCTION BOX TO RECONNECT CIRCUITS THAT REMAIN IN OPERATION. EXTEND CONDUIT AND WIRING AS REQUIRED TO MAINTAIN POWER TO REMAINING EQUIPMENT. 3. BALLASTS MANUFACTURED PRIOR TO 1980 CONTAIN PCBs AND SHALL BE DISPOSED OF BY A FEDERAL OR STATE E.P.A. APPROVED METHOD AND IN ACCORDANCE WITH SPECIFICATIONS.

4. HID AND FLUORESCENT LAMPS CONTAIN MERCURY AND SHALL BE DISPOSED OF BY A FEDERAL OR STATE E.P.A. APPROVED METHOD AND IN ACCORDANCE WITH

SPECIFICATIONS. 5. REUSE EXISTING CONDUIT, CIRCUITS AND LIGHTING CONTROL WHERE POSSIBLE. PROVIDE NEW CONDUIT AND WIRE WHERE SHOWN, MISSING OR REQUIRED TO INSTALL THE NEW LIGHT FIXTURES.

6. WHERE REMOVED EXTERIOR LIGHT FIXTURE IS NOT BEING REPLACED. PROVIDE WATERPROOF GROMMETS, SEALS OR PLUGS TO COVER EXISTING HOLES IN POLES. . VERIFY MANUFACTURERS INSTALLATION GUIDELINES WITH EXISTING FIELD CONDITIONS PRIOR TO BIDDING AND ORDERING NEW LIGHT FIXTURES AND INSTALLATION MATERIAL. . MATCH EXISTING PAINTED SURFACES. WHERE REPLACED LUMINAIRE DOES NOT FULLY COVER EXISTING JUNCTION BOX OR PAINTED SURFACE. PROVIDE CUSTOM BACK PLATE WHERE NECESSARY TO COVER ANY FIELD CONDITIONS THAT WOULD ALLOW INTRUSION OF WATER AND CAULK WHERE NECESSARY.

REFER TO 26.51.00 SPECIFICATIONS FOR COMMISSIONING OF FIXTURES 10. VERIFY WITH EXISTING CONDITIONS PRIOR TO REMOVING ALL FIXTURES WITH A QUARTZ RESTRIKE. IF THE QUARTZ RESTRIKE IS A SEPARATE CIRCUIT, NOTIFY THE ENGINEERING IMMEDIATELY.

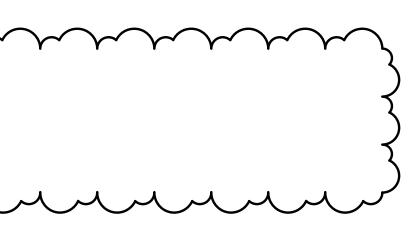
# **TYPICAL NEW CONSTRUCTION:**

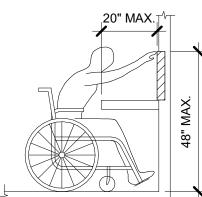
1. HALF SHADED FIXTURE INDICATE UNSWITCHED LUMINAIRES FOR EMERGENCY NIGHT LIGHTING CONNECTED TO PANEL AS NOTE. . SITE HAS UNDERGROUND UTILITIES, STEAM, WATER, ELECTRIC AND VAULTS. POLE LOCATIONS HAVE BEEN COORDINATED WITH CIVIL PLANS. CONTRACTOR SHALL FIELD VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING ALL LIGHT POLES. HAND EXCAVATE IF NECESSARY, TO ASCERTAIN EXACT LOCATION OF UNDERGROUND UTILITIES PRIOR TO INSTALLING 'ANY' POLE.

3. WHERE LUMINAIRE QUANTITIES OR LAYOUT DIFFER BETWEEN ELECTRICAL LIGHTING PLANS AND ARCHITECTURAL REFLECTED CEILING PLANS, HIGHER QUANTITY SHALL TAKE PRECEDENCE. CONTRACTOR SHALL CONFIRM QUANTITY AND LAYOUT WITH DESIGN TEAM. 4. Z## INDICATES ZONING AND REFLECTS A LIGHTING CONTROL GROUP. PROVIDE RELAYS AS REQUIRED TO ALLOW LUMINAIRES WITHIN THE DEFINED ZONE TO FUNCTION TOGETHER

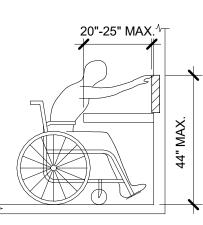
	ELECTRICAL ABBREVIATION KEY
ABBR:	DESCRIPTION:
AFF	ABOVE FINISHED FLOOR
С	CONDUIT
GFI	GROUND FAULT INTERRUPTER
N.C.	NORMALLY CLOSED
NIC	NOT IN CONTRACT
N.O.	NORMALLY OPEN
SV	SOLENOID VALVE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
R	REMOVE/DEMO
Е	EXISTING
EX	EXISTING REWIRE
EA	EXISTING AND ABANDONED

LUMINAIRE SYMBOL KEY					
SYMBOL:	DESCRIPTION:				
0	NORMAL BRANCH LUMINAIRE				
Ø	EMERGENCY BRANCH LUMINAIRE				





INSTALL ABOVE COUNTER **DEVICE AT 44" ABOVE** FINISHED FLOOR.

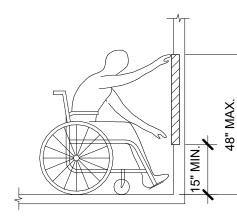


INSTALL ABOVE COUNTER

ADA GUIDELINES - FRONT ACCESS

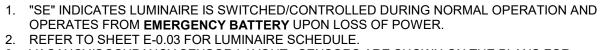
**DEVICE AT 40" ABOVE** 

FINISHED FLOOR.



INSTALL DEVICE AT 18"

ABOVE FINISHED FLOOR.



**ELECTRICAL GENERAL NOTES:** 

VACANCY/OCCUPANCY SENSOR LAYOUT: SENSORS ARE SHOWN ON THE PLANS FOR DESIGN INTENT AND MAY NOT REPRESENT EVERY DEVICE. PROVIDE MANUFACTURER SPECIFIC FLOOR PLAN LAYOUTS SHOWING LOCATION, ORIENTATION, AND COVERAGE AREA OF EACH CONTROL DEVICE, SENSOR, AND CONTROLLER/INTERFACE. AREAS REQUIRING MULTIPLE SENSOR DEVICES FOR APPROPRIATE COVERAGE, SUBMIT SPECIFIC MANUFACTURER-APPROVED SENSOR LAYOUT AS AN OVERLAY DIRECTLY ON THE PROJECT DRAWINGS, EITHER IN PRINT OR APPROVED ELECTRONIC FORM. LUMINAIRE KEY:

# F1 = FIXTURE TAG

	1 = CIRCUIT NUMBER a = SWITCH DESIGNATION NL = SUBSCRIPT (IF APPLICABLE) Z = ZONE DESIGNATION
	*IF LABEL IS ORIENTED HORIZONTALLY A SLASH WILL SEPARATE THIS INFORMATION. EX: F1 / 1 / a / NL
DEVICE KEY	

DEVICE RET. DEVICE  $\Phi$  A = MOUNTING (IF APPLICABLE) 1 = CIRCUIT NUMBER

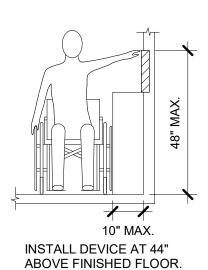
	*IF LABEL IS ORIENTED HORIZONTALLY A SLASH WILL SEPARATE THIS INFORMATION. EX: A / 1
ELECTRI	CAL MOUNTING SUBSCRIPT KEY:
А	MOUNT AT +6" TO CENTERLINE ABOVE COUNTER OR BACKSPLASH
С	MOUNT AT CEILING
Н	MOUNT ORIENTED HORIZONTALLY
L	MOUNT IN CASEWORK

MOUNT IN MODULAR FURNITURE MOUNT IN SURFACE RACEWAY EWC ELECTRIC WATER COOLER

# **ELECTRICAL INSTALLATION NOTES:**

- 1. THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE ADA STANDARDS FOR ACCESSIBLE DESIGN. REFER TO THE ADA GUIDELINES FOR ALL CONFIGURATION DETAILS ON THIS PAGE FOR ADDITIONAL INFORMATION. CIRCUIT NUMBERS ARE SHOWN FOR CIRCUIT IDENTIFICATION. CIRCUITING SHALL AGREE WITH NUMBERING ON THE PANEL PROVIDED. COMMON NEUTRALS MAY NOT BE USED FOR
- BRANCH CIRCUITS. BALANCE THE LOAD ON PANEL AS EVENLY AS POSSIBLE BETWEEN EACH PHASE 3. FLUSH MOUNT ALL LIGHTING CONTROL DEVICES AT +42" FROM FLOOR (CENTERLINE DIMENSION). EXCEPT WHERE OTHERWISE NOTED. DEVICES MAY BE SURFACE MOUNTED
- WHEN CONDUIT IS SPECIFIED EXPOSED. FLUSH MOUNT ALL DUPLEX RECEPTACLES AND TECHNOLOGY OUTLETS AT +18" FROM FLOOR (CENTERLINE DIMENSION), EXCEPT WHERE OTHERWISE NOTED, RECEPTACLES AND OUTLETS MAY BE SURFACE MOUNTED WHEN CONDUIT IS SPECIFIED EXPOSED.
- ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOORS SHALL BE TESTED AND CERTIFIED AS A SYSTEM PER ASTM E814 STANDARDS FOR FIRE TESTS OF THROUGH-PENETRATION FIRESTOPS. REFER TO [26 05 03] FOR ADDITIONAL INFORMATION
- AND REQUIREMENTS SPECIFIC TO FIRESTOPPING. CONNECTION FOR ELECTRIC WATER COOLERS (EWC) SHALL BE A JUNCTION BOX CONCEALED BEHIND WATER COOLER ACCESS PLATE OR BE A GFI RECEPTACLE LOCATED DIRECTLY BELOW AND CENTERED ON EWC. CONTRACTOR SHALL VERIFY TYPE OF EWC TO
- BE INSTALLED 7. MOUNT ALL FIRE ALARM PULL STATIONS AT +42" FROM FLOOR (CENTERLINE DIMENSION) EXCEPT WHERE OTHERWISE NOTED.
- INSTALL ALL WALL MOUNTED FIRE ALARM NOTIFICATION DEVICES AT 90" ABOVE FINISHED FLOOR OR 6" BELOW THE CEILING. WHICHEVER IS LOWER. EXCEPT WHERE OTHERWISE NOTED. HEIGHT SHALL BE MEASURED TO THE TOP OF THE DEVICE.
- 9. CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL CEILING MOUNTED DEVICES AND EQUIPMENT WITH LUMINAIRES, SPRINKLER, AND CEILING DIFFUSERS. CENTER ALL DEVICES IN CEILING TILE PATTERN. SMOKE DETECTORS AND OCCUPANCY/VACANCY SENSORS SHALL BE LOCATED NO CLOSER THAN 3 FEET TO AN AIR SUPPLY DIFFUSER OR RETURN
- GRILLE. 10. CONTRACTOR SHALL VERIFY ALL FURNITURE, MODULAR FURNITURE, AND EQUIPMENT LOCATIONS WITH ARCHITECTURAL PLANS, ELEVATIONS, AND REVIEWED SHOP DRAWINGS. PRIOR TO MAKING THE ACTUAL ELECTRICAL INSTALLATION, THIS CONTRACTOR SHALL ADJUST RECEPTACLES, OUTLETS, OR CONNECTION LOCATIONS TO ACCOMMODATE FURNITURE AND/OR EQUIPMENT.
- 11. ELECTRICAL AND TECHNOLOGY EQUIPMENT SHALL BE MOUNTED TO AVOID IMPEDANCE OF, OPERATION OF, AND/OR ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF ELECTRICAL AND TELECOMMUNICATIONS EQUIPMENT, ON EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR, SHALL BE APPROVED IN ADVANCE BY THE OTHER CONTRACTOR.
- 12. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS REQUIRED IN WALLS. ALL OPENINGS SHALL BE REPAIRED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. ALL CONDUITS THROUGH WALLS SHALL BE GROUTED OR SEALED INTO OPENINGS.
- 13. ALL WELDING SHALL BE ACCORDING TO AMERICAN WELDING SOCIETY STANDARDS. CONTRACTOR SHALL FURNISH TO THE ARCHITECT/ENGINEER CERTIFICATES QUALIFYING EACH WELDER, PRIOR TO START OF WORK. THE ARCHITECT/ENGINEER RESERVES THE RIGHT TO REQUIRE QUALIFYING DEMONSTRATION, AT THE CONTRACTOR'S EXPENSE, OF ANY WELDERS ASSIGNED TO THE JOB.
- 14. CONTRACTOR SHALL REMOVE AND REINSTALL ALL CEILING TILES AS REQUIRED FOR THE EXECUTION OF ELECTRICAL WORK. CONTRACTOR SHALL REPLACE CEILING TILES WITH
- IDENTICAL MATERIAL WHERE DAMAGED BY THIS CONTRACTOR. 15. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY AUDIO/VISUAL, AND OTHER ELECTRICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING
- MOUNTED DEVICES, OTHER THAN SPRINKLERS. 16. ELECTRICAL INDENTIFICATION. REFER TO SPECIFICATION SECTION 26 05 53 FOR COLOR/LABEL REQUIREMENTS FOR CONDUIT, BOX, CABLE/WIRE, AND EQUIPMENT.

## **ELECTRICAL SHEET INDEX** ELECTRICAL COVERSHEE SINGLE LINE DIAGRAM FIXTURE SCHEDULE PANEL SCHEDULES PANEL SCHEDULES TITLE 24 E0.06 TITLE 24 SITE PLAN DEMO FLOOR PLAN LOWER LEVEL DEMO FLOOR PLAN MAIN LEVEL LIGHTING PLAN LOWER LEVEL LOWER LEVEL - PHOTOMETRIC PLAN LIGHTING PLAN MAIN LEVEL MAIN LEVEL PHOTOMETRIC PLAN =2.12A POWER PLAN LOWER LEVEL POWER PLAN MAIN LEVEL REMODEL ROOF PLAN DETAILS DETAILS GRAND TOTAL: 19

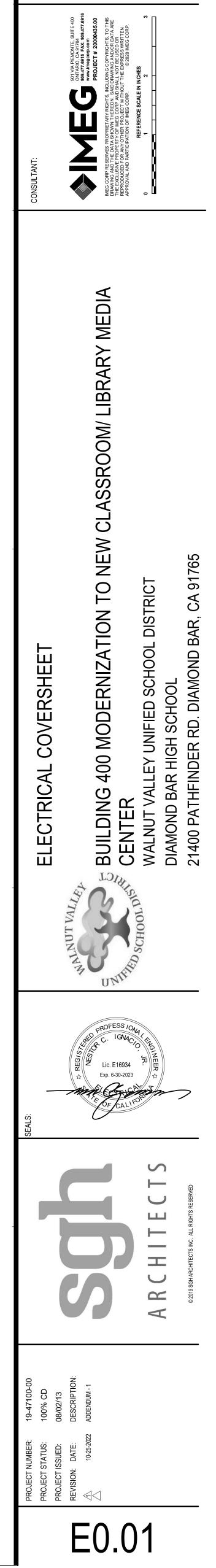


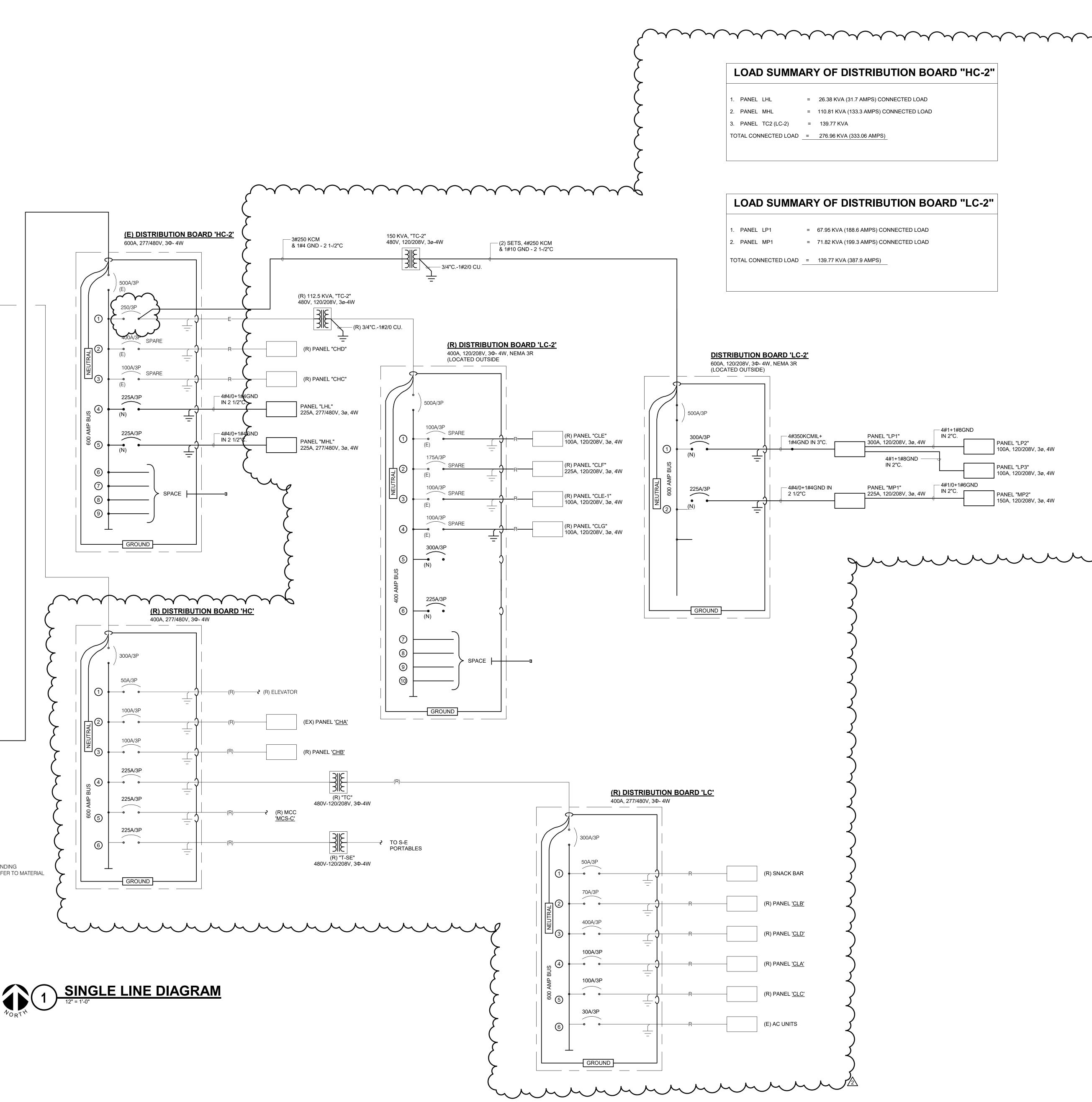
10"-24" MAX.

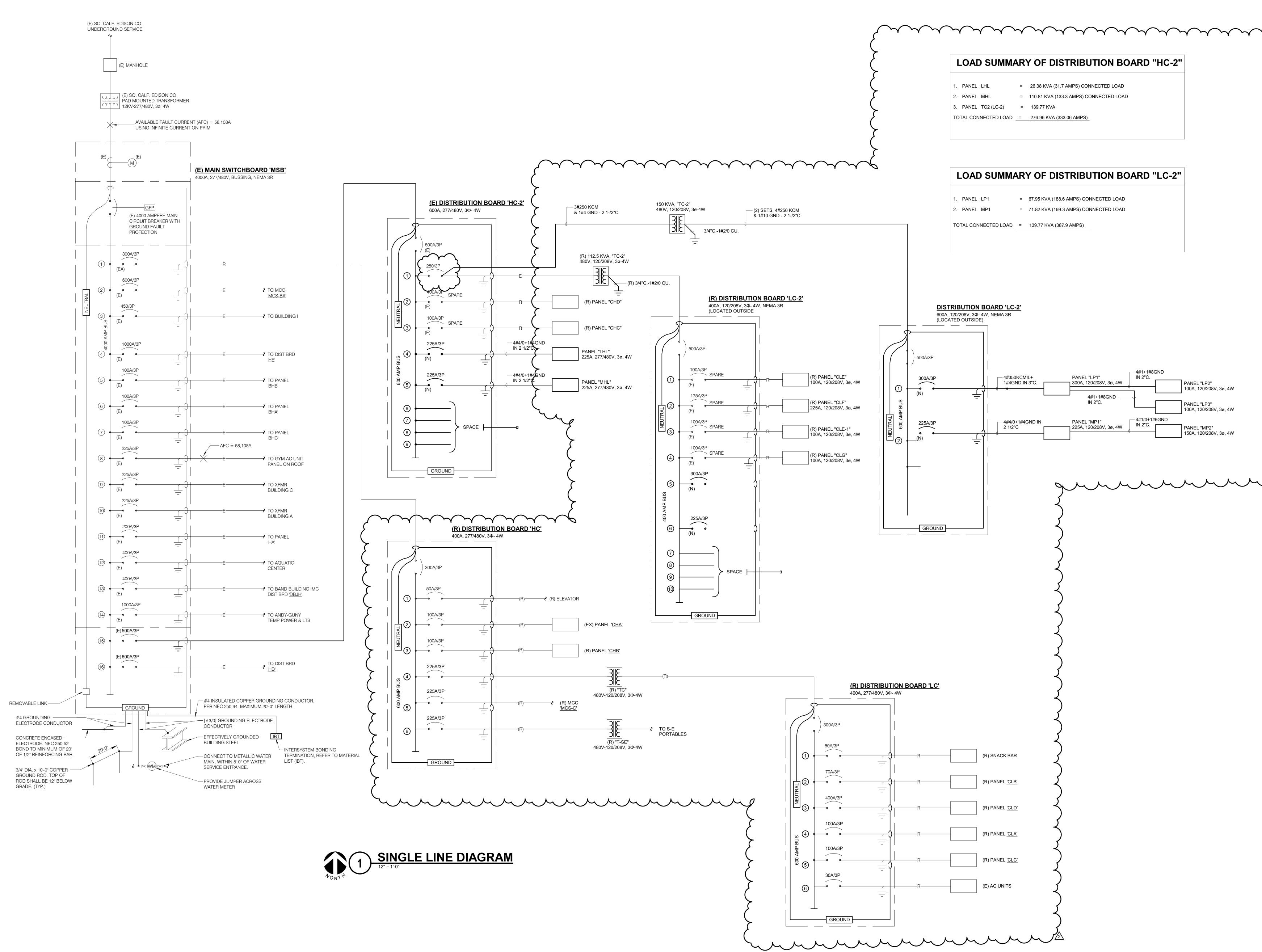
INSTALL DEVICE AT 42" ABOVE FINISHED FLOOR.

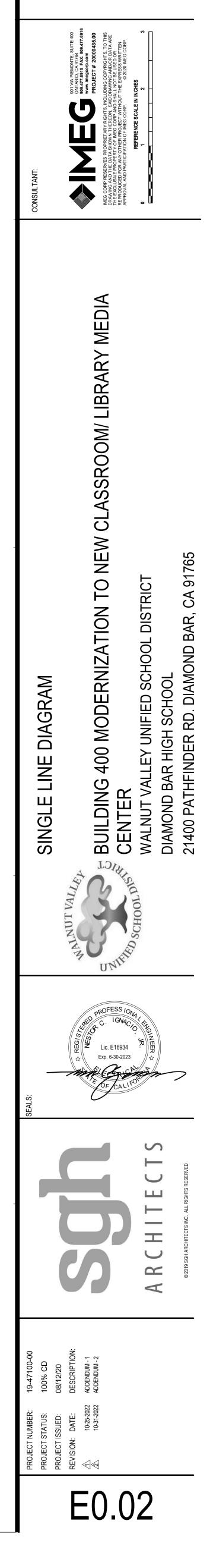
**ADA GUIDELINES - SIDE ACCESS** 

# ADA STANDARDS FOR ACCESSIBLE DESIGN





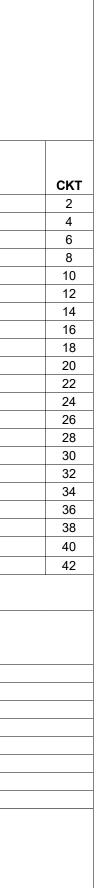


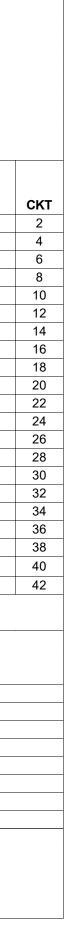


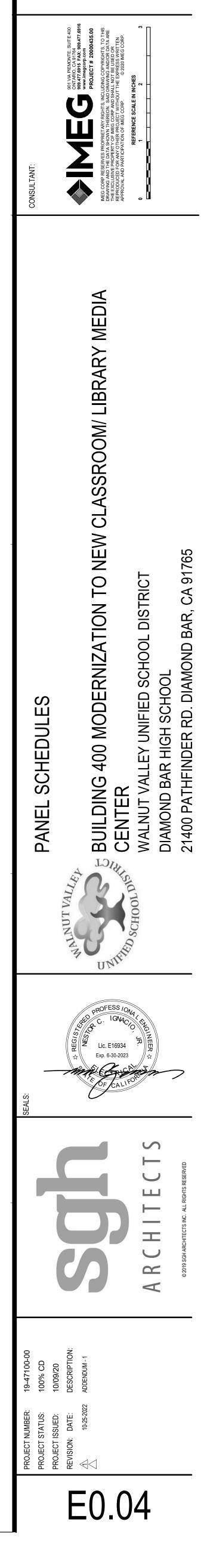
Notes:	Branch Panel: LP1 Location: ELECTRICA Supply From: Mounting: SURFACE Enclosure: BOLT-ON	AL ROO	M 125			Volts: Phases: Wires:		Vye			М	A.I.C. Rating: 14000 Mains Type: ains Rating: 400 A MCB Rating: 400 A	
OVT	Circuit Description	Tuin	Pole		•		P		0	Pole	Tuin		CKT
<b>СКТ</b> 1	Circuit Description Classroom-101 Receptacles	Trip 20 A	<b>S</b>	1440 VA	<b>A</b> 1440 VA		B		C	<b>S</b> 1	<b>Trip</b> 20 A	Circuit Description Classroom-107 Receptacles	2 CKT
3	Classroom-101 TV	20 A	1			360 VA	360 VA			1	20 A	Classroom-107 TV	4
5	Classroom-102 Receptacles	20 A	1					1440 VA	1440 VA	1	20 A	Classroom-108 Receptacles	6
7	Classroom-102 TV	20 A	1	360 VA	360 VA	1440 VA	1440 VA			1	20 A	Classroom-108 TV	8
9 11	Classroom-103 Receptacles Classroom-103 TV	20 A 20 A	1			1440 VA	1440 VA	360 VA	360 VA	1	20 A 20 A	Classroom-109 Receptacles Classroom-109 TV	10 12
13	Classroom-104 Receptacles	20 A	1	1440 VA	A 1440 VA					1	20 A	Classroom-110 Receptacles	14
15	Classroom-104 TV	20 A	1			360 VA	360 VA			1	20 A	Classroom-110 TV	16
17 19	Classroom-105 Receptacles Classroom-105 TV	20 A 20 A	1	360 VA	360 VA			900 VA	1440 VA	1	20 A 20 A	Classroom-111 Receptacles Classroom-111 TV	18 20
21	Classroom-105 TV Classroom-105 Receptacles	20 A 20 A	1	360 VA	360 VA	720 VA	1080 VA			1	20 A	Office-112 Receptacles	20
23	Classroom-105 Receptacles	20 A	1					720 VA	1080 VA	1	20 A	Office-113 Receptacles	24
25	Classroom-105 Receptacles	20 A	1	720 VA	180 VA					1	20 A	Stroge-118 Receptacles	26
27	Classroom-105 Receptacles	20 A	1			720 VA	180 VA	500 \/A	260.1/4	1	20 A		28
29 31	RM 105 AV CABINET Classroom-106 Receptacles	20 A 20 A	1	1440 VA	A 0 VA			500 VA	360 VA	1	20 A 20 A	LOWER LEVEL WEST DRINKING SPARE	30 32
33	Classroom-106 TV	20 A	1			360 VA	0 VA			1	20 A	SPARE	34
35	LOWER LEVEL EAST DRINKING FOUNTAIN	20 A	1					360 VA	0 VA	1	20 A	SPARE	36
37	LP3 SUBFEED	100 A	3	6900 VA	A 10760 VA	E7001/1	70401/1			3		LP2 SUBFEED	38
39 41						5760 VA	7840 VA		5840 VA				40 42
		Total	Load	272	200 VA	2098	30 VA		30 VA				72
		Total A			28.1 A		5.2 A		5.7 A				
Legend	:												
			0					<b>F</b> atimata	Demond			Devel Tetele	
Power	assification			nected Lo 6140 VA		Demand Fa 100.00%		Estimated 6140	<b>Demand</b>			Panel Totals	
Recepta	acles			1920 VA		58.07%			0 VA			Total Conn. Load: 68060 VA	
												Total Est. Demand: 42100 VA	
												Total Conn. Current: 188.9 A	
												st. Demand Current: 116.9 A	
Notes:													
Notes:													
	Branch Panel: LHL Location: ELECTRICA Supply From: Mounting: SURFACE Enclosure: BOLT-ON	AL ROO	M 125			Volts: Phases: Wires:		Vye			A	LI.C. Rating: 42000 Mains Type: ains Rating: 100 A MCB Rating: 100 A	
	Location: ELECTRICA Supply From: Mounting: SURFACE Enclosure: BOLT-ON Circuit Description	1	ſrip	Poles		Phases: Wires:	3	Vye	Poles		A M I	Mains Type: ains Rating: 100 A MCB Rating: 100 A Circuit Description	СКТ
Notes: CKT	Location: ELECTRICA Supply From: Mounting: SURFACE Enclosure: BOLT-ON Circuit Description Lighting	1	<b>Frip</b>	<b>Poles</b> 1 3	A 3237 2864	Phases: Wires:	B		1	<b>Tri</b> 20	A M N A Ligi	Mains Type: ains Rating: 100 A MCB Rating: 100 A Circuit Description	2
Notes:	Location: ELECTRICA Supply From: Mounting: SURFACE Enclosure: BOLT-ON Circuit Description	1 2 2	ſrip	Poles		Phases: Wires:	B 2167		1		A M T A Ligi	Mains Type: ains Rating: 100 A MCB Rating: 100 A Circuit Description	
Notes: <u>CKT</u> 1 3	Location: ELECTRICA Supply From: Mounting: SURFACE Enclosure: BOLT-ON Circuit Description Lighting Lighting Lighting Lighting	<b>1</b> 2 2 2 2 2	<b>Frip</b> 10 A 10 A 10 A 10 A	Poles 1 3 1 3 1 1		Phases: Wires:  3749 /A	3 4 8 2167 4	С С	1	<b>Tri</b> 20	A M M A Ligi A Ligi A SO	Mains Type: ains Rating: 100 A MCB Rating: 100 A Circuit Description hting hting hting LATUBE	2 4 6 8
Notes: CKT 1 3 5 7 9	Location: ELECTRICA Supply From: Mounting: SURFACE Enclosure: BOLT-ON Circuit Description Lighting Lighting Lighting Lighting SPARE	1 2 2 2 2 2 2 2 2 2 2 2 2 2	<b>Frip</b> 10 A 10 A 10 A 10 A 10 A	Poles 1 3 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3237 2864	Phases: Wires:      	B 2167 6000	C 4285 213	1 1 34 1 1 1	<b>Tri</b> 20 20 30	A M N A Ligi A Ligi A Ligi A SO A WA	Mains Type: ains Rating: 100 A MCB Rating: 100 A MCB Rating: 100 A Ming hting hting LATUBE TER HEATER	2 4 6 8 10
Notes: CKT 1 3 5 7 9 11	Location: ELECTRICA Supply From: Mounting: SURFACE Enclosure: BOLT-ON Circuit Description Lighting Lighting Lighting Lighting SPARE SPARE	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Frip 0 A 0 A 0 A 0 A 0 A 0 A 0 A	Poles           1         3           1         4           1         4           1         4           1         4           1         4           1         4           1         4           1         4           1         4           1         4           1         4           1         4	3237 2864 1142 800 V	Phases: Wires:         	B 2167 6000	С С	1 34 1 34 1 1 VA 1	<b>Tri</b> 20 20 30 20	A M A Ligi A Ligi A Ligi A SO A SP	Mains Type: ains Rating: 100 A MCB Rating: 100 A MCB Rating: 100 A <u>Circuit Description</u> hting hting hting LATUBE ATER HEATER ARE	2 4 6 8 10 12
Notes: CKT 1 3 5 7 9	Location: ELECTRICA Supply From: Mounting: SURFACE Enclosure: BOLT-ON Circuit Description Lighting Lighting Lighting Lighting SPARE	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	<b>Frip</b> 10 A 10 A 10 A 10 A 10 A	Poles           1         3           1         4           1         4           1         4           1         4           1         4           1         4           1         4           1         4           1         4           1         4           1         4           1         4	3237 2864	Phases: Wires:         	B 2167 6000	C 4285 213	1 1 34 1 1 1	<b>Tri</b> 20 20 30	A M A I A Ligi A Ligi A Ligi A SO A SP, A SP, A	Mains Type: ains Rating: 100 A MCB Rating: 100 A MCB Rating: 100 A Ming hting hting LATUBE TER HEATER	2 4 6 8 10
Notes: CKT 1 3 5 7 9 11 13 15 17	Location: ELECTRICA Supply From: Mounting: SURFACE Enclosure: BOLT-ON Lighting Lighting Lighting Lighting SPARE SPARE SPARE SPARE SPARE	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Frip 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	Poles       1     3       1     3       1     4       1     4       1     4       1     4       1     4       1     4       1     4       1     4       1     4       1     4       1     4       1     4       1     4       1     4       1     4       1     4       1     4       1     4	3237 2864 1142 800 V 0 VA 0 V	Phases: Wires: Wires: 3749 (A 0 VA 4 0 VA 4 0 VA	B 2167 6000 6000 0 VA	C 4285 213	1       1       34       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1	Tri 20 20 20 30 20 20 20 20 20 20	A M I A Ligi A Ligi A Ligi A Ligi A SP, A SP, A SP, A SP, A SP, A	Mains Type: ains Rating: 100 A MCB Rating: 100 A MCB Rating: 100 A Circuit Description hting hting hting LATUBE ILATUBE ILATUBE ILATUBE ARE ARE ARE ARE ARE	2 4 6 8 10 12 14 16 18
Notes: CKT 1 3 5 7 9 11 13 15 17 19	Location: ELECTRICA Supply From: Mounting: SURFACE Enclosure: BOLT-ON Circuit Description Lighting Lighting Lighting Lighting SPARE SPARE SPARE SPARE SPARE SPARE SPARE	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Frip 0 A 0 A 0 A 0 A 0 A 0 A 0 A 0 A	Poles       1	3237 2864 1142 800 V	Phases:           Wires:           Wires:           3749           A         0 VA           A         0 VA           A         0 VA	B 2167 6000 0 VA	C 4285 213 0 VA 0 V	1       1	Tri 20 20 20 20 20 20 20 20 20 20 20 20 20	A M M A Ligi A Ligi A Ligi A SP, A SP, A SP, A SP, A SP, A SP, A SP, A	Mains Type: ains Rating: 100 A MCB Rating: 100 A MCB Rating: 100 A Circuit Description hting hting hting LATUBE ATER HEATER ARE ARE ARE ARE ARE ARE	2 4 6 8 10 12 14 14 16 18 20
1 3 5 7 9 11 13 15 17 19 21	Location: ELECTRICA Supply From: Mounting: SURFACE Enclosure: BOLT-ON Lighting Lighting Lighting Lighting SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	<b>Frip</b> 0 A 0 A 0 A 0 A 0 A 0 A 0 A 0 A	Poles         1       3         1       3         1       4	3237 2864 1142 800 V 0 VA 0 V	Phases: Wires: Wires: 3749 (A 0 VA 4 0 VA 4 0 VA	B 2167 2167 6000 6000 0 VA 0 VA	C 4285 213 0 VA 0 V 0 VA 0 V	1       1	Tri 20 20 20 20 20 20 20 20 20 20 20 20 20	A M M A Ligi A Ligi A Ligi A SP, A SP, A SP, A SP, A SP, A SP, A SP, A SP, A SP, A SP, A SP, A	Mains Type: ains Rating: 100 A MCB Rating: 100 A MCB Rating: 100 A Circuit Description hting hting hting LATUBE NTER HEATER ARE ARE ARE ARE ARE ARE ARE ARE	2 4 6 8 10 12 14 14 16 18 20 22
Notes: CKT 1 3 5 7 9 11 13 15 17 19	Location: ELECTRICA Supply From: Mounting: SURFACE Enclosure: BOLT-ON Circuit Description Lighting Lighting Lighting Lighting SPARE SPARE SPARE SPARE SPARE SPARE SPARE	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Frip 0 A 0 A 0 A 0 A 0 A 0 A 0 A 0 A	Poles         1       3         1       3         1       4	3237 2864 1142 800 V 0 VA 0 V	Phases:           Wires:           Wires:           3749           A           0 VA	B 2167 2167 6000 6000 0 VA 0 VA	C 4285 213 0 VA 0 V	1       1	Tri 20 20 20 20 20 20 20 20 20 20 20 20 20	A M M I A Ligi A Ligi A Ligi A Ligi A SP, A SP, A SP, A SP, A SP, A SP, A SP, A SP, A SP, A SP, A SP, A SP, A	Mains Type: ains Rating: 100 A MCB Rating: 100 A MCB Rating: 100 A Circuit Description hting hting hting LATUBE ATER HEATER ARE ARE ARE ARE ARE ARE	2 4 6 8 10 12 14 14 16 18 20
Notes: CKT 1 3 5 7 9 11 13 15 17 19 21 23	Location: ELECTRICA Supply From: Mounting: SURFACE Enclosure: BOLT-ON Lighting Lighting Lighting Lighting SPARE	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Frip 0 A 0 A 0 A 0 A 0 A 0 A 0 A 0 A	Poles         1       3         1       3         1       4	3237 2864 142 800 V 0 VA 0 V 0 VA 0 V	Phases:           Wires:           Wires:           3749           A           0 VA	B 2167 2167 6000 6000 0 VA 0 VA 0 VA	C 4285 213 0 VA 0 V 0 VA 0 V 0 VA 0 V	1       1	Tri 20 20 20 20 20 20 20 20 20 20 20 20 20	A M M M I A Ligi A Ligi A Ligi A Ligi A SP, SP, SP, SP, SP, SP, SP, SP, SP, SP,	Mains Type: ains Rating: 100 A MCB Rating: 100 A	2 4 6 8 10 12 14 14 16 18 20 22 22 24 24 26 28
Notes: CKT 1 3 5 7 9 11 13 5 7 9 11 13 15 17 19 21 23 25 27 29	Location: ELECTRICA Supply From: Mounting: SURFACE Enclosure: BOLT-ON Lighting Lighting Lighting Lighting SPARE	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	<b>Frip</b> 0 A 0 A 0 A 0 A 0 A 0 A 0 A 0 A	Poles         1       2         1       2         1       1	3237 2864 1142 800 V 0 VA 0 V 0 VA 0 V 0 VA 0 V	Phases:         Wires:         Wires:         a         3749         A         O       VA         A       O         A       O         A       O         A       O         A       O         A       O         A       O         A       O         A       O         A       O         A       O         A       O         A       O         A       O         A       O         A       O	B 2167 2167 6000 6000 0 VA 0 VA 0 VA	C 4285 213 0 VA 0 V 0 VA 0 V	1       1	Tri 20 20 20 20 20 20 20 20 20 20 20 20 20	A M M M M M M M M M M M M M M M M M M M	Mains Type: ains Rating: 100 A MCB Rating: 100 A	2 4 6 8 10 12 14 14 16 18 20 22 24 24 26 28 30
Notes: CKT 1 3 5 7 9 11 13 15 7 9 11 13 15 17 19 21 23 25 27 29 31	Location: ELECTRICA Supply From: Mounting: SURFACE Enclosure: BOLT-ON Lighting Lighting Lighting Lighting SPARE	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Frip 20 A 20 A	Poles         1       2         1       2         1       1	3237 2864 142 800 V 0 VA 0 V 0 VA 0 V	Phases:         Wires:         Wires:         3749         /A         0 VA         4         0 VA         A         0 VA	B 2167 2167 6000 6000 0 VA 0 VA 0 VA 0 VA	C 4285 213 0 VA 0 V 0 VA 0 V 0 VA 0 V	1       1	<b>Tri</b> 20 20 20 20 20 20 20 20 20 20 20 20 20	A M M I A Ligi A Ligi A Ligi A Ligi A SP, SP, SP, SP, SP, SP, SP, SP, SP, SP,	Mains Type: ains Rating: 100 A MCB Rating: 100 A	2 4 6 8 10 12 14 16 18 20 22 24 24 26 28 30 32
Notes: CKT 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29	Location: ELECTRICA Supply From: Mounting: SURFACE Enclosure: BOLT-ON Lighting Lighting Lighting Lighting SPARE	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	<b>Frip</b> 0 A 0 A 0 A 0 A 0 A 0 A 0 A 0 A	Poles         1       2         1       2         1       1	3237 2864 1142 800 V 0 VA 0 V 0 VA 0 V 0 VA 0 V	Phases:         Wires:         Wires:         a         3749         A         O       VA         A       O         A       O         A       O         A       O         A       O         A       O         A       O         A       O         A       O         A       O         A       O         A       O         A       O         A       O         A       O         A       O	B 2167 2167 6000 6000 0 VA 0 VA 0 VA 0 VA 0 VA	C 4285 213 0 VA 0 V 0 VA 0 V 0 VA 0 V	1       1	Tri 20 20 20 20 20 20 20 20 20 20 20 20 20	A A A A A A A A A A A A A A A A A A A	Mains Type: ains Rating: 100 A MCB Rating: 100 A	2 4 6 8 10 12 14 14 16 18 20 22 22 24 24 26 28 30
Notes: CKT 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33	Location: ELECTRICA Supply From: Mounting: SURFACE Enclosure: BOLT-ON Circuit Description Lighting Lighting Lighting Lighting SPARE	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	<b>Frip</b> 0 A 0 A 0 A 0 A 0 A 0 A 0 A 0 A	Poles         1       2         1       2         1       1	3237 2864 1142 800 V 0 VA 0 V 0 VA 0 V 0 VA 0 V	Phases:         Wires:         Wires:         a         a       a         a       a         a       a         a       a         a       a         a       a         a       a         a       a         a       a         a       a         a       a         a       a         a       a         a       a         a       a         b       a         a       a         b       a         b       a         b       b       a         b       a       a         a       a       a         a       a       a         a       a       a         a       a       a         a       a       a         a       a       a         a       a       a         a       a       a         a       a       a         a       a       a         a	B 2167 2167 6000 6000 0 VA 0 VA 0 VA 0 VA 0 VA	C 4285 213 0 VA 0 V 0 VA 0 V 0 VA 0 V 0 VA 0 V	1       1	Tri 20 20 20 20 20 20 20 20 20 20 20 20 20	A A A A A A A A A A A A A A A A A A A	Mains Type: ains Rating: 100 A MCB Rating: 100 A MCB Rating: 100 A Circuit Description hting hting LATUBE ATER HEATER ARE ARE ARE ARE ARE ARE ARE ARE ARE A	2 4 6 8 10 12 14 14 16 18 20 22 22 24 24 26 28 30 30 32 34
Notes: CKT 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 29 31 33 35	Location: ELECTRICA Supply From: Mounting: SURFACE Enclosure: BOLT-ON Circuit Description Lighting Lighting Lighting SPARE	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	<b>Trip</b> 0 A 0 A 0 A 0 A 0 A 0 A 0 A 0 A	Poles         1       2         1       2         1       1	3237 2864 1142 800 V 0 VA 0 V	Phases:         Wires:         Wires:         a         a       a         a       a         a       a         a       a         a       a         a       a         a       a         a       a         a       a         a       a         a       a         a       a         a       a         a       a         a       a         b       a         a       a         b       a         b       b       a         b       a       a         b       a       a         a       a       a         a       a       a         a       a       a         a       a       a         a       a       a         a       a       a         a       a       a         a       a       a         a       a       a         a       a       a	B 2167 2167 6000 6000 6000 0 VA 0 VA 0 VA 0 VA 0 VA 0 VA	C 4285 213 0 VA 0 V 0 VA 0 V 0 VA 0 V 0 VA 0 V	1         1 <td< td=""><td>Tri 20 20 20 20 20 20 20 20 20 20 20 20 20</td><td>A A A A A A A A A A A A A A A A A A A</td><td>Mains Type: ains Rating: 100 A MCB Rating: 100 A MCB Rating: 100 A MCB Rating: 100 A MITER RATION Mains Description Mains Description Main</td><td>2 4 6 8 10 12 14 14 16 18 20 22 24 24 26 28 30 32 32 34 36</td></td<>	Tri 20 20 20 20 20 20 20 20 20 20 20 20 20	A A A A A A A A A A A A A A A A A A A	Mains Type: ains Rating: 100 A MCB Rating: 100 A MCB Rating: 100 A MCB Rating: 100 A MITER RATION Mains Description Mains Description Main	2 4 6 8 10 12 14 14 16 18 20 22 24 24 26 28 30 32 32 34 36

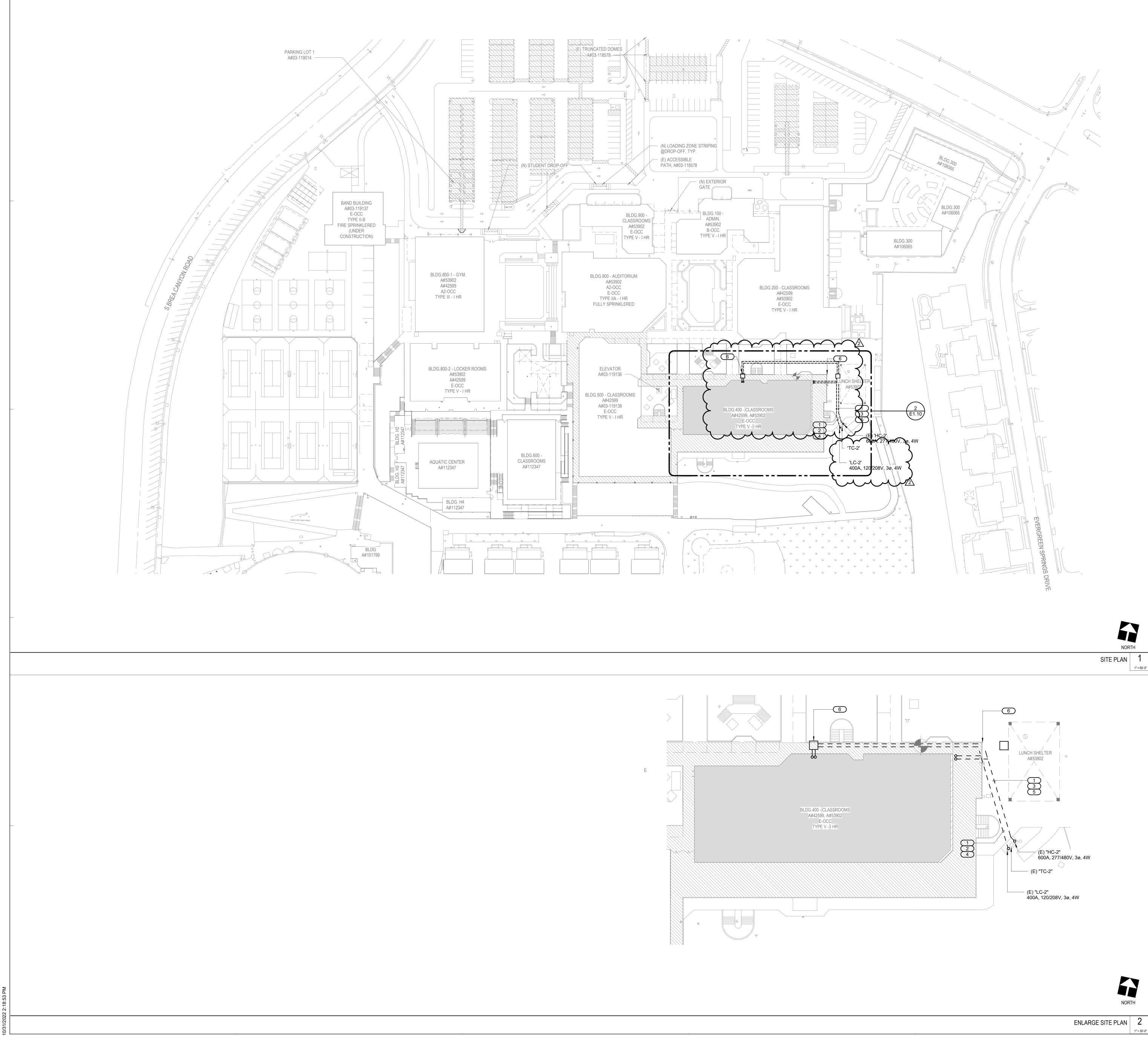
Legend: Load Classification Demand Factor Estimated Demand Panel Totals Connected Load Lighting Other 19578 VA 100.00% 19578 VA Total Conn. Load:28978 VATotal Est. Demand:28458 VATotal Conn. Current:34.9 ATotal Est. Demand Current:34.2 A 0.00% 0 VA 0 VA Power 6800 VA 100.00% 6800 VA Notes:

Notes:	Branch Panel: LP2 Location: ELECTR Supply From: LP1 Mounting: SURFAC Enclosure: BOLT-O	RICAL ROOM	VI 125		Volts: 120/ Phases: 3 Wires: 4	208 Wye		۲ Ma	LI.C. Rating: 14000 Mains Type: ains Rating: 100 A MCB Rating: 100 A		Notes	Branch Panel: LP3 Location: ELECTRIC. Supply From: LP1 Mounting: SURFACE Enclosure: BOLT-ON	AL ROOM 12	5		Volts: 120/208 Phases: 3 Wires: 4	Wye			A.I.C. Rating: 14000 Mains Type: Mains Rating: 100 A MCB Rating: 100 A	
скт	Circuit Description	Trip	Poles	Δ	В		_	Pole s Trip	Circuit Description	СКТ	СКТ	Circuit Description	Trip	Poles	Δ	В	С	Pole	s Trip	Circuit Description	
	assroom-121 Receptacles	20 A	1	1440 VA 900 VA				·	•	2	1	Exterior Receptacles	20 A	1	1080 1440			1		Classroom-105 Receptacles	
	lassroom-121 TV	20 A	1		360 VA 360	0 VA			Chassicom-M81		3	Collaboration Space-116 Receptacles	20 A	1		900 VA 1440		1		Classroom-105 Receptacles	
	assroom-121 Receptacles	20 A	1				10 VA 120 VA		MOTORIZED SHADE		5	Exterior Receptacles	20 A	1			900 VA 1	440 1		Classroom-105 Receptacles	
	lassroom-120 TV	20 A	1	360 VA 1440 VA					Classroom-117 Receptacles	8	7	Classroom-109 Receptacle	20 A	1	180 VA 1080			1		Exterior Receptacles	
	lassroom-119 Receptacles	20 A	1		1440 VA 360	0 VA	<u> </u>		Classroom-117 TV	10		Classroom-108 Receptacle	20 A	1		180 VA 720 VA		1		Collaboration Space-123 Receptacles	
	assroom-119 TV	20 A	1				0 VA 180 VA		MOTORIZED SHADE	12	11	Classroom-107 Receptacle	20 A	1			180 VA 5	)0 VA 1		Classroom-121 Receptacle	
	ectrical-125 Receptacles	20 A	1	180 VA 1440 VA					Classroom-114 Receptacles	. 14	) 13	Classroom-106 Receptacle	20 A	1	180 VA 500 VA			1		Classroom-120 Receptacle	
	ustodian Room-124 Receptacles	20 A	1		540 VA 360	Ο \/Δ	<u> </u>		Charles roop and the top and top and the top and top a		15	•	20 A	1		180 VA 500 VA		1		Classroom-119 Receptacle	
	estroom-126 & 127 Receptacles	20 A	1		040 1/1 000		0 VA 500 VA		FATC-1		10	Classroom-104 Receptacle	20 A	1			180 VA 5			Classroom-118 Receptacle	
	ollaboration Space-123 Receptacles	20 A	1	360 VA 1080 VA		000			Dean office-128 Receptacles	20	19	Classroom-103 Receptacle	20 A	1	180 VA 500 VA					Classroom-117 Receptacle	
	ollaboration Space-116 Receptacles	20 A	1	300 VA 1000 VA	540 VA 720	0.\/A			Storage-131 Receptacles	20		Classroom-102 Receptacle	20 A	1		180 VA 500 VA		1		ROOM-117 CEILING MOUNTED SCREEN	
	ollaboration Space-116 Receptacles	20 A			J40 VA 720		0 VA 180 VA		FC-1 DRAIN PUMP	22		Classroom-101 Receptacle	20 A	1		100 VA 300 VA	180 VA 5			ROOM-106 CEILING MOUNTED SCREEN	
	lassroom-118 Receptacles			1440 VA 500 VA		100			RM 118 AV CABINET			FSD (1)	20 A	1	700 VA 360 VA		100 VA 5			ROOM-100 CEILING MOUNTED SCREEN	
	•	20 A		1440 VA 500 VA		0.) / A				26	25			1				1			
	lassroom-118 Receptacles	20 A			1440 VA 500			/ /			27	FSD 1 FSD 1	20 A			800 VA 360 VA				ROOM-123 CEILING MOUNTED SCREEN	
	assroom-118 Receptacles	20 A	1			144(	10 VA   180 VA		Classroom-110 Receptacle		<u>29</u>		20 A	1			700 VA	VA 1		SPARE	
	assroom-118 Receptacles	20 A	1	720 VA 360 VA			<b>\</b>	1 20 A	MOTORIZED SHADE	32	31		20 A	1	700 VA 0 VA			1		SPARE	
	assroom-118 Receptacles	20 A	1		720 VA 0				SPARE ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			SPARE	20 A	1		0 VA 0 VA		1		SPARE	
	assroom-118 Receptacles	20 A	1			720	0 VA 0 VA	20 A		36			20 A	1			0 VA	) VA 1		SPARE	
	assroom-118 Receptacles	20 A		540 VA 0 VA					SPACE	38					0 VA 0 VA						
39 Cla	lassroom-114 Receptacle	20 A	1		500 VA 0	VA			SPACE	40	39	SPACE				0 VA 0 VA				SPACE	
41 Cla	lassroom-111 Receptacle	20 A	1			180	0 VA   0 VA		SPACE	42	41	SPACE					0 VA	) VA		SPACE	
		Total	Load:	10760 VA	7840 VA		5840 VA						Tot	al Load:	6900 VA	5760 VA	5080 \	Ά			
		Total A	Amps:	92.2 A	67.9 A	1	48.7 A						Tota	I Amps:	58.4 A	48.9 A	42.3	4			
Legend:											Legen	d:									
Load Class	sification		Conr	nected Load	Demand Factor	Estim	mated Demand		Panel Totals		Load	Classification	Cor	nected	Load Dei	mand Factor	Estimat	ed Demand		Panel Totals	
Power			1	1340 VA	100.00%		1340 VA				Power			4620 VA	۱	100.00%	46	20 VA			
Receptacles	es		2	3100 VA	71.65%		16550 VA		Total Conn. Load: 24440 VA		Recep	tacles		13120 V	۹	88.11%	11	560 VA		Total Conn. Load: 17740 VA	
									Total Est. Demand: 17890 VA											Total Est. Demand: 16180 VA	
								Г	Total Conn. Current: 67.8 A											Total Conn. Current: 49.2 A	
								Total Es	st. Demand Current: 49.7 A										<b>T</b>	otal Est. Demand Current: 44.9 A	
																			+		
																			+		
Notes:		I									Notes	•								I	
												ROVIDE "LOCK-ON" DEVICE TO BREAKER H	ANDLE AND	RED LAI	BEL TO CIRCUIT	D.					







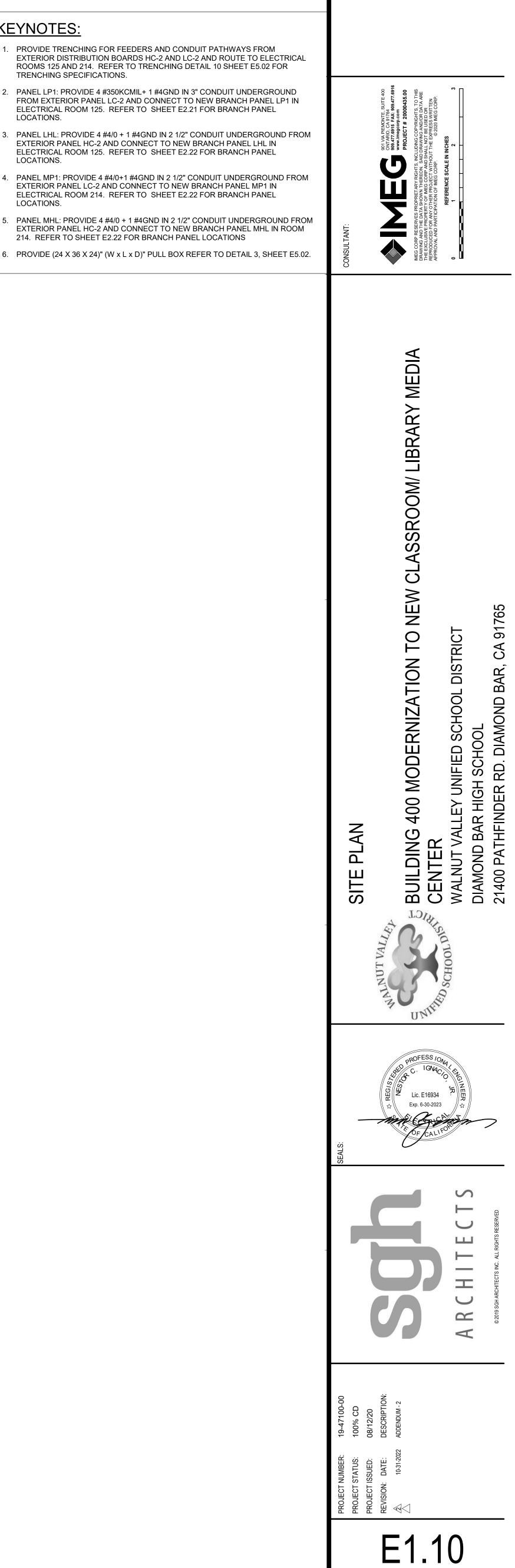


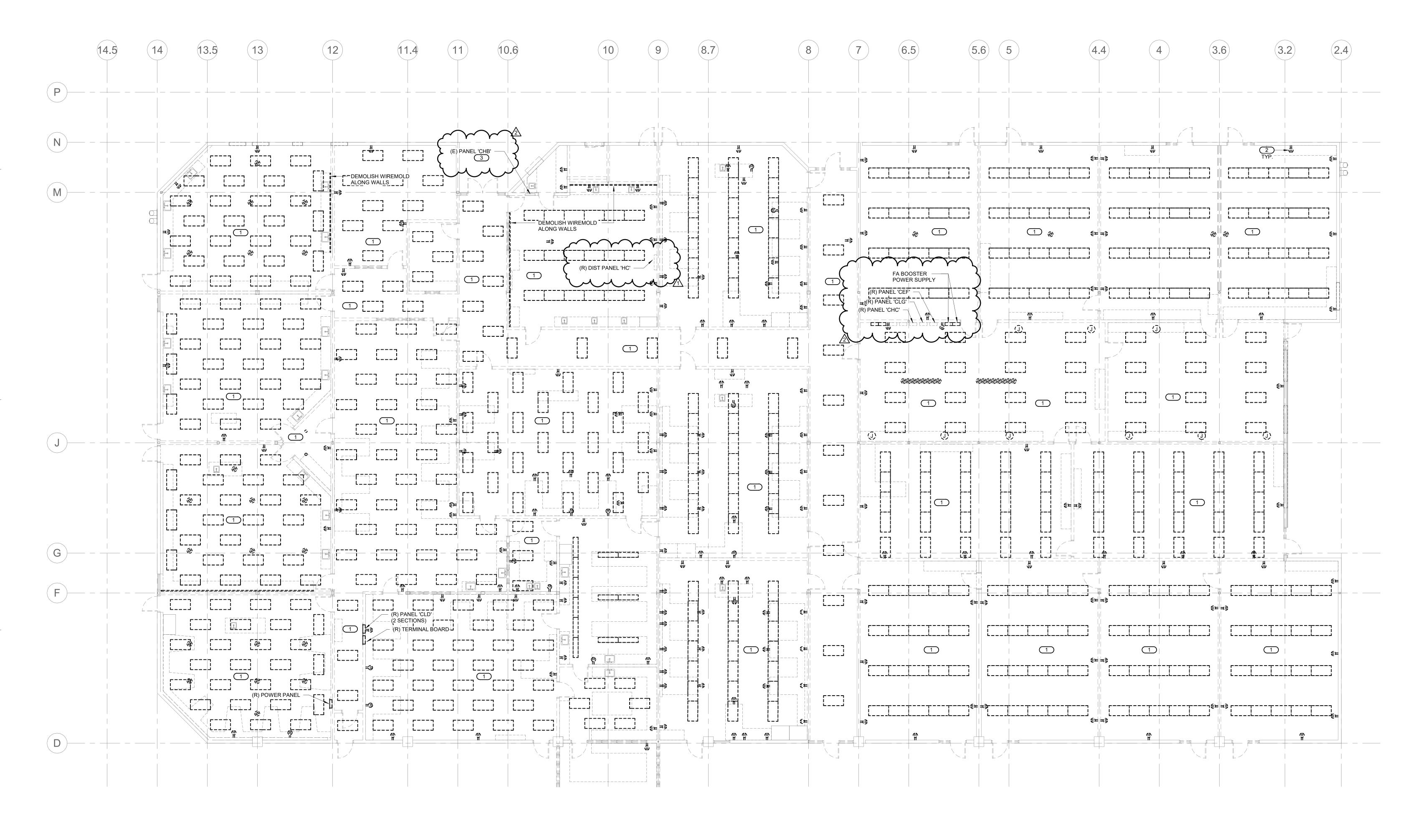
# **GENERAL NOTES:**

1. REFER TO ONE LINE DIAGRAM SHEET E0.02 FOR FEEDER AND CONDUIT SIZING.

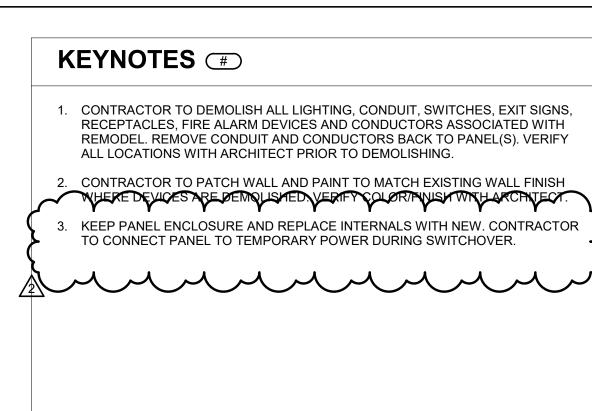
# KEYNOTES:

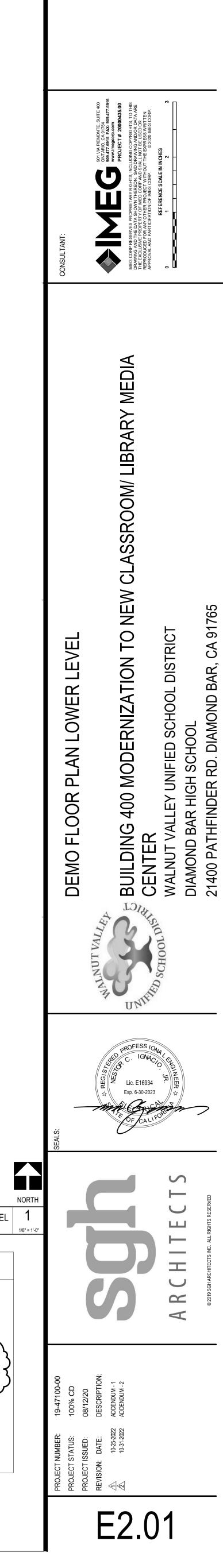
- 1. PROVIDE TRENCHING FOR FEEDERS AND CONDUIT PATHWAYS FROM EXTERIOR DISTRIBUTION BOARDS HC-2 AND LC-2 AND ROUTE TO ELECTRICAL ROOMS 125 AND 214. REFER TO TRENCHING DETAIL 10 SHEET E5.02 FOR TRENCHING SPECIFICATIONS.
- . PANEL LP1: PROVIDE 4 #350KCMIL+ 1 #4GND IN 3" CONDUIT UNDERGROUND FROM EXTERIOR PANEL LC-2 AND CONNECT TO NEW BRANCH PANEL LP1 IN ELECTRICAL ROOM 125. REFER TO SHEET E2.21 FOR BRANCH PANEL LOCATIONS.
- PANEL LHL: PROVIDE 4 #4/0 + 1 #4GND IN 2 1/2" CONDUIT UNDERGROUND FROM EXTERIOR PANEL HC-2 AND CONNECT TO NEW BRANCH PANEL LHL IN ELECTRICAL ROOM 125. REFER TO SHEET E2.22 FOR BRANCH PANEL LOCATIONS.
- 4. PANEL MP1: PROVIDE 4 #4/0+1 #4GND IN 2 1/2" CONDUIT UNDERGROUND FROM EXTERIOR PANEL LC-2 AND CONNECT TO NEW BRANCH PANEL MP1 IN ELECTRICAL ROOM 214. REFER TO SHEET E2.22 FOR BRANCH PANEL LOCATIONS.
- . PANEL MHL: PROVIDE 4 #4/0 + 1 #4GND IN 2 1/2" CONDUIT UNDERGROUND FROM EXTERIOR PANEL HC-2 AND CONNECT TO NEW BRANCH PANEL MHL IN ROOM 214. REFER TO SHEET E2.22 FOR BRANCH PANEL LOCATIONS

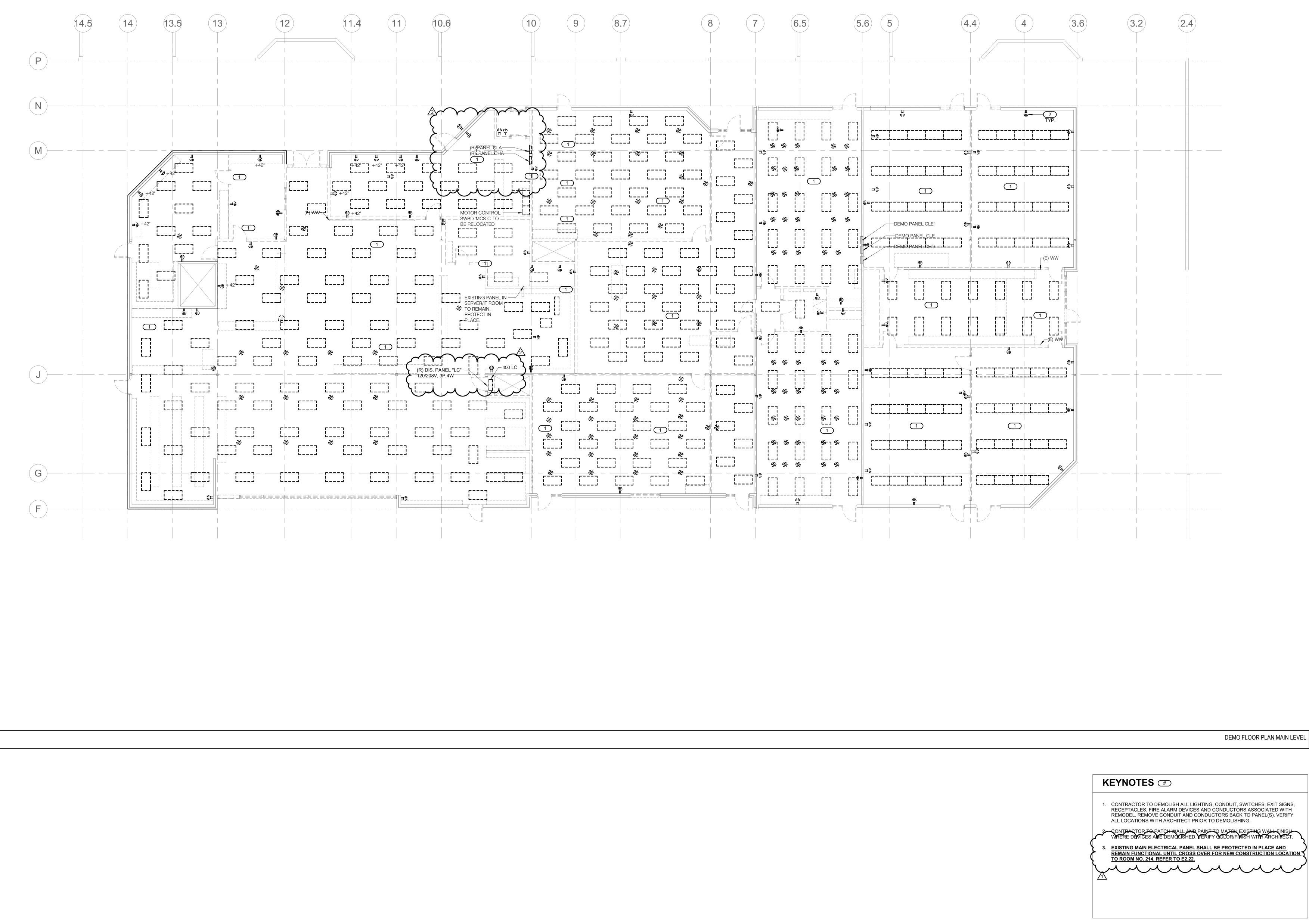


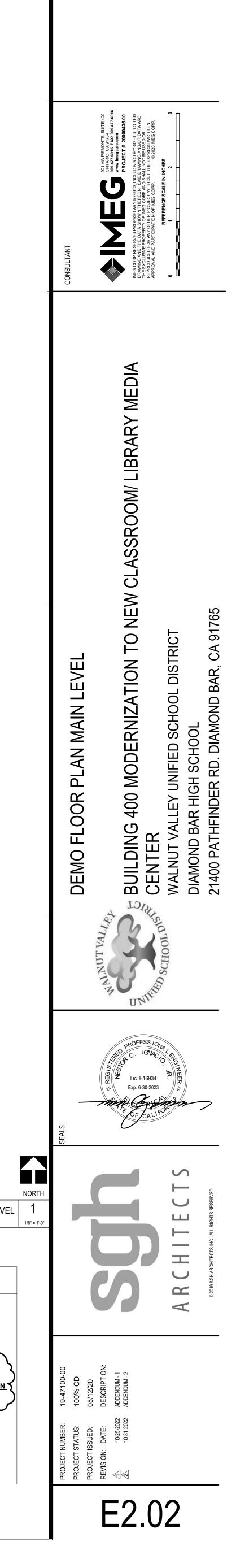


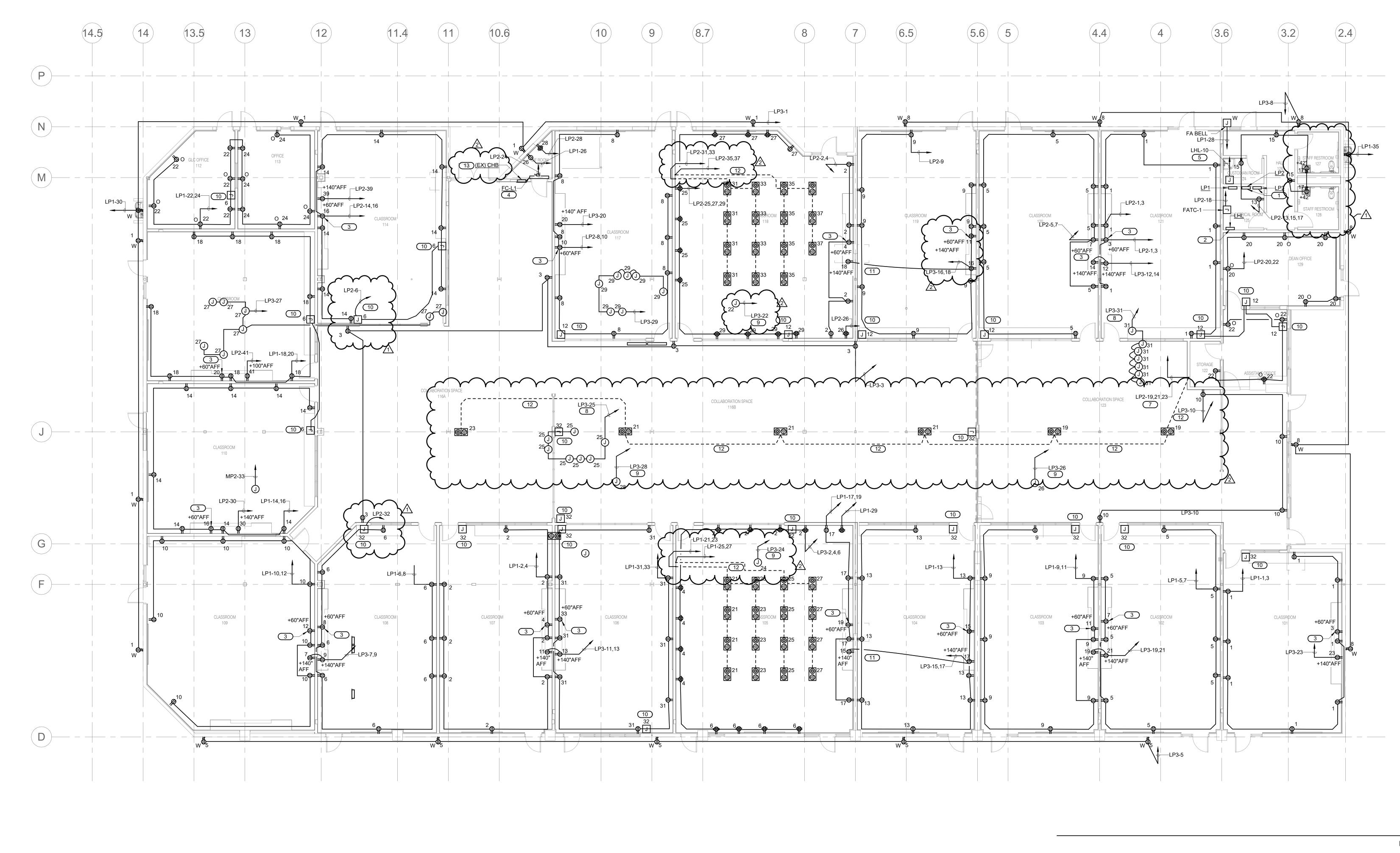
DEMO FLOOR PLAN LOWER LEVEL



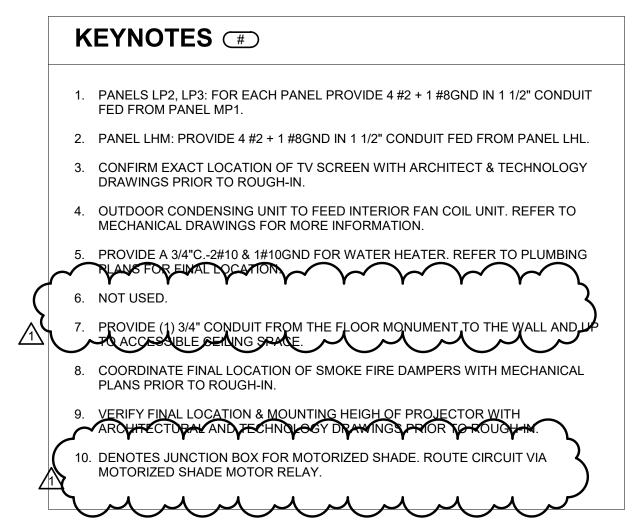








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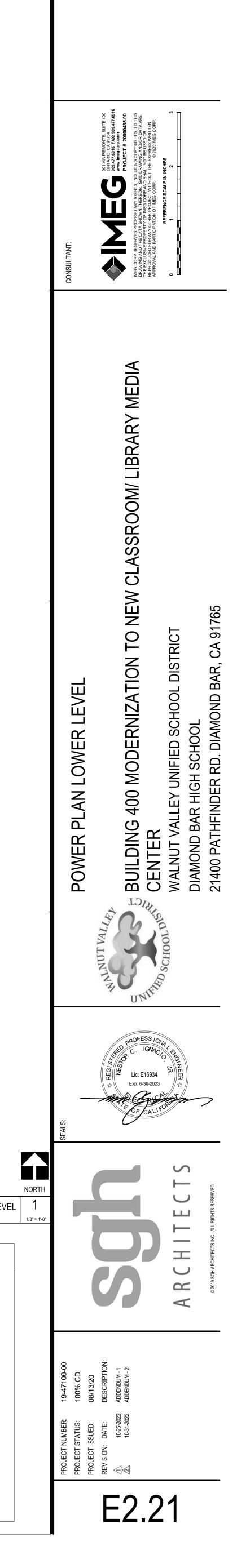


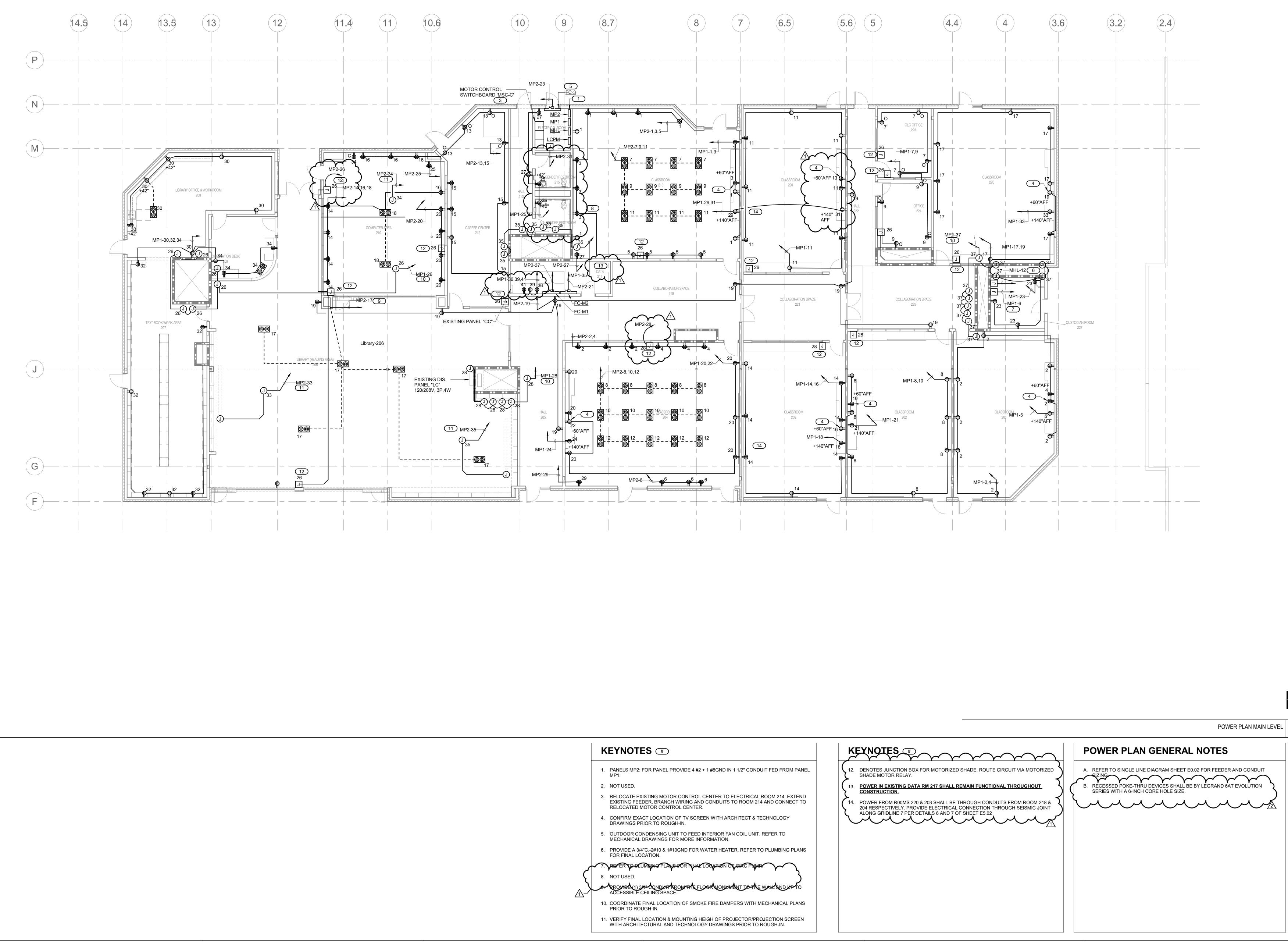
POWER PLAN LOWER LEVEL

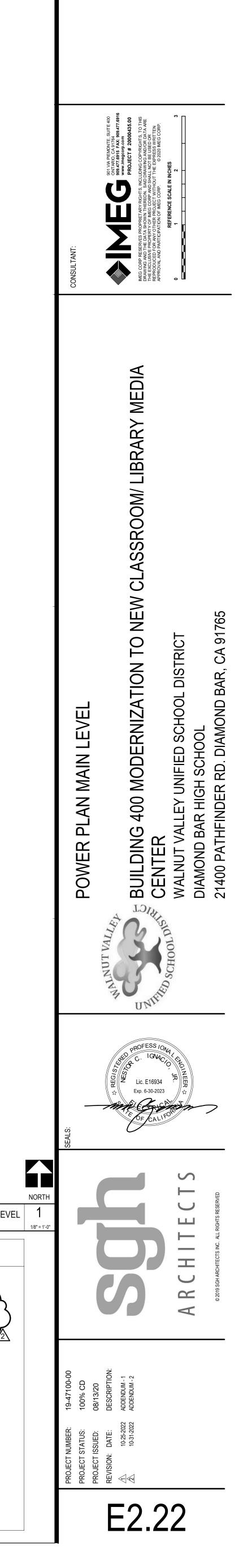
# KEYNOTES # POWER FROM R00MS 104 & 119 SHALL BE THROUGH CONDUITS FROM R00M 105 & 118 RESPECTIVELY. PROVIDE ELECTRICAL CONNECTION THROUGH SEISMIC JOINT ALONG GRIDLINE 7 PER DETAILS 6 AND 7 OF SHEET E5.02 DASHED LINES DENOTES CONDUITS BELOW CONCRETE SLAB. CONTRACTOR RESPONSIBLE TO VERIFY EXISTING SLAB CONDITIONS PRIOR TO ANY SAWCUT OR TRENCH WORK. CONTRACTOR TO X-RAY (E) FLOOR SLAB WHEN PROJECT IS NOT SLAB ON GRADE. EXISTING PANEL 'CHB' TO BE FED FROM PANEL 'LHL'. REFER TO PANEL SCHEDULE ON E0.04.

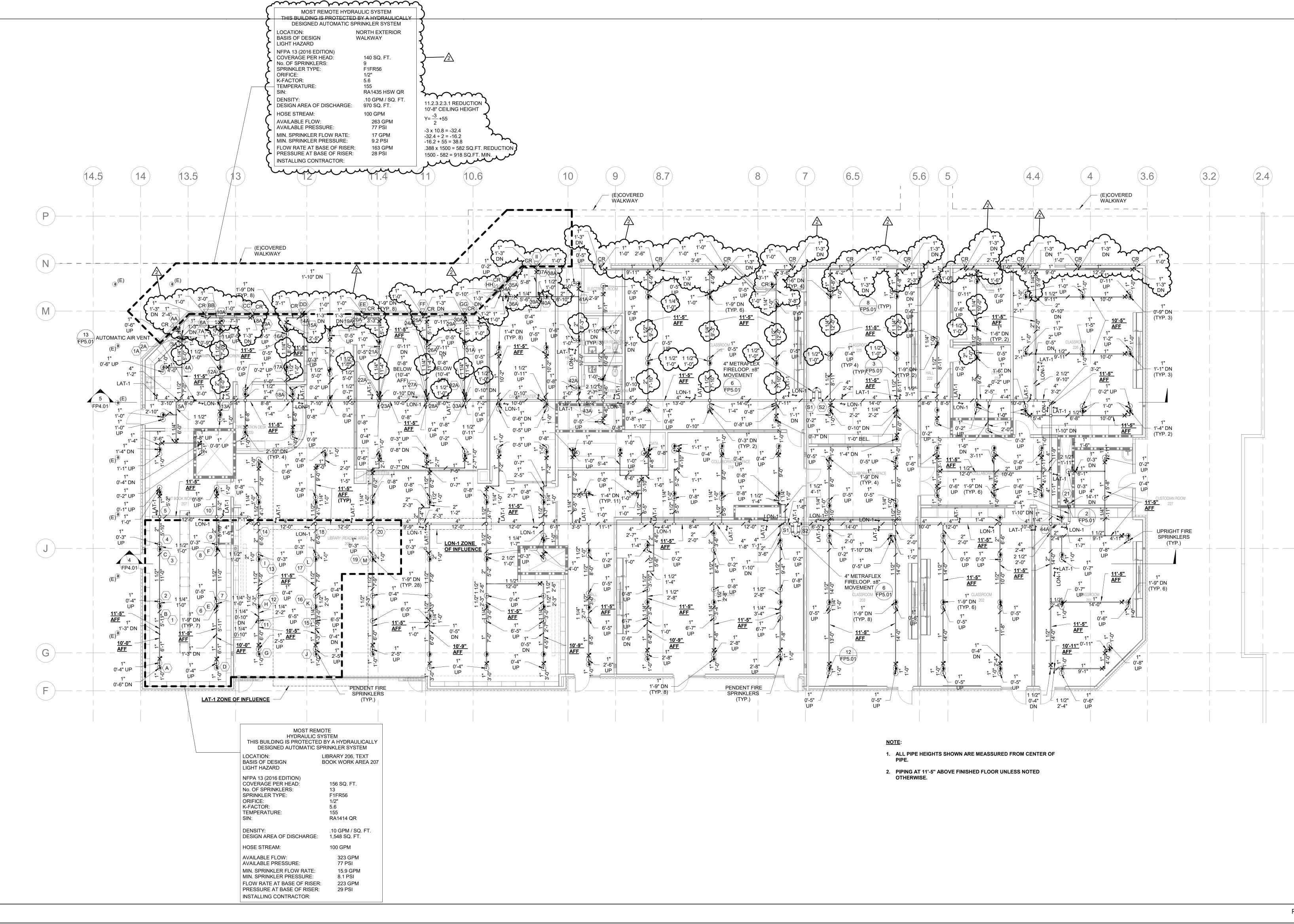
# POWER PLAN GENERAL NOTES

A. REFER TO ONE LINE DIAGRAM SHEET E0.02 FOR FEEDER AND CONDUIT SIZING.



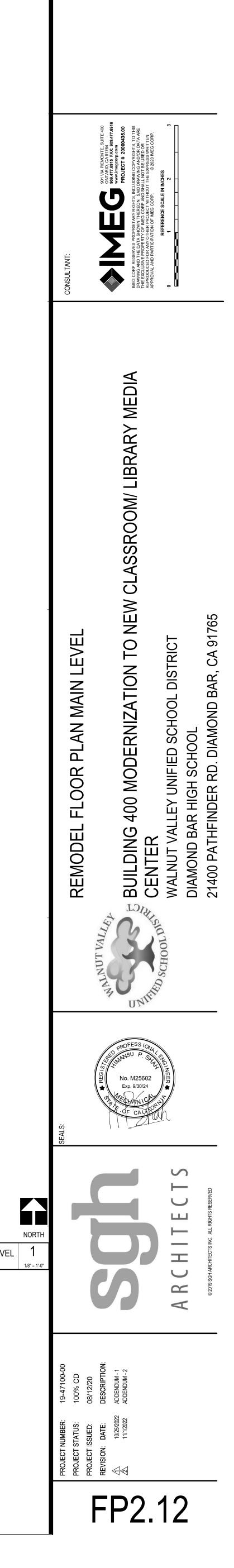


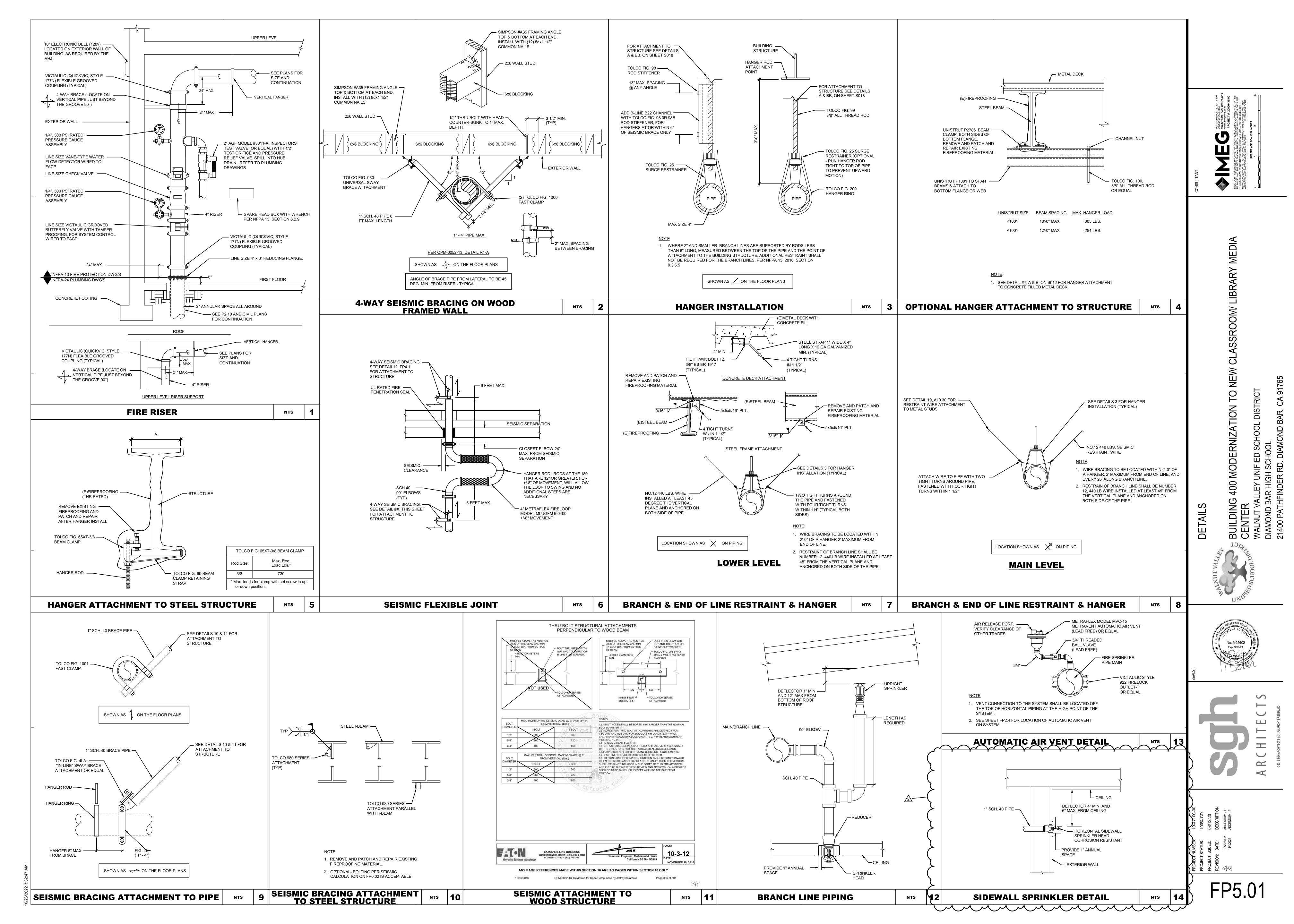




SPRINKLER SCHEDULE AND LEGEND												
SYMBOL	MANUFACTURER	MODEL	SIN#	POSITION	ESCUTCHEON	ORIFICE	'K' FACTOR	TEMPERATURE	RESPONSE	FINISH	BLDG. QUANTITY	SPARE
۲	RELIABLE	F1FR56	RA1414	SSP	PENDENT	1/2"	5.6	155°	QUICK RESPONSE	PER ARCHITECT	288	6 MIN.
۲	RELIABLE	F1FR56	RA1414	SSP	CONCEALED PENDENT	1/2"	5.6	155°	QUICK RESPONSE	PER ARCHITECT	63	6 MIN.
2	RELIABLE	F1ER56	RA1425		UPRIGHT	1/2"	5.6	200°		BRONZE	~249	6 MIN
<sup>CR</sup> ⊳	RELIABLE	F1FR56	RA1435	HSW	SIDEWALL	1/2"	5.6	200°	QUICK RESPONSE	CORROSION RESISTANT	19	6 MIN
	RELIABLE	F1FR56	RA1414	SSP	PENDENT	1/2"	5.6	155°	QUICK RESPONSE	CORROSION RESISTANT	1	6 MIN

REMODEL FLOOR PLAN MAIN LEVEL SEISMIC BRACING NOTE: EGEND. LAT-1 SEISMIC BRACE - 20 FEET MAXIMUM SPACING. BLDG. SPARES RESPONSE FINISH LON-1 SEISMIC BRACE - 25 FEET MAXIMUM SPACING. QUANTITY QUICK RESPONSE PER ARCHITECT 288 6 MIN. QUICK RESPONSE PER ARCHITECT 6 MIN. 63 OUICK RESPONSE BRONZE 249 6 MIN. QUICK RESPONSE CORROSION RESISTANT 19 6 MIN. QUICK RESPONSE 6 MIN. CORROSION RESISTANT 1





# PRE-BID CLARIFICATION FORM (For Contractor's Use)

PROJECT NAME:	DIAMOND BAR HIGH SCHOOL 400 BUILDING MODERNIZATION							
PROJECT NUMBER:	110822-2							
TO:	Suzanne Beach	EMAIL:	sbeach@wvusd.org					

DATE:	10-07-2022			
FROM:	New Dynasty	Construction	EMAIL:	estimating@new-dc.com
DOCUM NUMBE	ENT/DIVISION R:	Div. 26	DRAWING NUMBER:	E2.11 Lower Level Lighting Plan

# REQUESTED CLARIFICATION:

1. Plan sheet E2.11 Lighting Plan Lower Level indicates the EX1 lighting fixtures over a doorway like an exit light (See Gridline 3.2). However, according to the Fixture Schedule, EX1 is an exterior wall pack. Please clarify.

# **RESPONSE TO CLARIFICATION:**

Revised E2.11 changing exit signs in Assistant Office Room 130 from type "EX1" to type "X". Revision shown on Addendum 2 plans.

Wen Raymundo, IMEG Corp 10.24.2022

Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.

# PRE-BID CLARIFICATION FORM (For Contractor's Use) Pre-Bid RFI 045

PROJECT NAME:	DIAMOND BAR HIGH SCHOOL 400 BUILDING MODERNIZATION							
PROJECT NUMBER:	110822-2							
TO:	Suzanne Beach	EMAIL:	sbeach@wvusd.org					

DATE:				
FROM:	New Dynasty	Construction	EMAIL:	estimating@new-dc.com
DOCUM	ENT/DIVISION		DRAWING	
NUMBE	R:	Div. 07	NUMBER:	A4.10 Remodel Roof Plan

# **REQUESTED CLARIFICATION:**

1. Further to the A/E's response to Pre-Bid RFI 001, i.e., Keynote #7.57B of plan sheet A4.01 Demolition Roof Plan and A4.10 Remodel Roof Plan having changed the term "Restore" to "Repair", please confirm the said repair work of the foam roofing will only be limited to a.) the patching of openings where existing AC rooftop units will be removed, and b.) around the new openings where new rooftop units (AC, exhaust fans, etc.) will be installed.

Please confirm roof repair work will not include correction of areas where pondings appear to exist as were observed throughout the roof as shown on the attached photos.

# RESPONSE TO CLARIFICATION:

See Spec Section 07 01 50.76 for repair to the existing foam roofing 3.3 ROOFING RE-COATING PREPARATION Foamed Roofing Surface Preparation and General Roof Repairs for Areas Indicated and at /ì Irregularities, Failures, and Damaged Areas of the Existing Roofing: ..... 1. Remove and dispose of existing walkway system. 2. Remove loose granular aggregate from granular aggregate-surfaced foamed roofing using power broom in areas to be repaired. З. Remove blisters, ridges, buckles, and other substrate irregularities from existing roofing that would inhibit application of uniform, waterproof coating. DIAMOND BAR HIGH SCHOOL BUILDING 400 MODERNIZATION FOAM ROOF REPAIRS SECTION 07 01 50.76 ADDENDUM 1 Page 9 of 14

Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.