

## THOMAS S. HART MIDDLE SCHOOL NEW SCIENCE BUILDING **INCREMENT 2**

## 4433 WILLOW RD. PLEASANTON, CA 94588

## **GENERAL NOTES**

#### PRE-BID SITE VISI

CONTRACTOR SHALL VISIT THE PROJECT AREA IN ORDER TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND THE REQUIREMENTS OF THE PROJECT. THE CONTRACTOR MAY CONTACT THE ARCHITECT DURING THE BIDDING PHASE REGARDING CLARIFICATIONS AND PROJECT REQUIREMENTS.

#### SAFETY

IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

AMAGE TO STRUCTURE OR SYSTEMS TO REM CONTRACTOR SHALL REIMBURSE THE OWNER FOR REPAIR AND REPLACEMENT, INCLUDING ARCHITECT'S FEES, FOR ANY DAMAGE CAUSED TO STRUCTURES, LANDSCAPE, SITE WORK, OR EXISTING SYSTEMS TO REMAIN, AS THE RESULT OF CONSTRUCTION OPERATIONS.

#### EXISTING CONDITION

ALL EXISTING CONDITIONS ARE SHOWN BASED ON THE BEST INFORMATION AVAILABLE AT THE TIME, BUT WITHOUT GUARANTEE OF ACCURACY. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND BUILDING DATA AT THE JOB SITE. ANY DISCREPANCIES REQUIRING MODIFICATION TO THE CONSTRUCTION DOCUMENTS SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY. NO MODIFICATIONS SHALL BE MADE BY THE CONTRACTOR WITHOUT PRIOR APPROVAL FROM THE ARCHITECT

#### CONTRACTOR'S EQUIPMEN

COORDINATE WITH OWNER'S REPRESENTATIVE FOR APPROVED LOCATION OF JOB SITE ACCESS, PARKING, AND LOCATION OF CONTRACTOR'S EQUIPMENT AND MATERIAL STORAGE AREA. SEE SITE PLAN FOR ADDITIONAL NOTES.

#### UTILITY SHUT-DOWNS AND CONNECTION

ALL REQUIRED UTILITY SHUT DOWNS SHALL HAVE PRIOR APPROVAL FROM THE OWNER'S REPRESENTATIVE. REQUEST SHALL BE SUBMITTED WITH ADEQUATE ADVANCE NOTICE PER PROJECT REQUIREMENTS.

THE OWNER/OPERATOR AND CONTRACTOR SHALL BE AWARE THAT BUILDINGS CONSTRUCTED PRIOR TO 1978 (OR THERE ABOUT) POSSIBILITY CONTAIN ASBESTOS IN SOME EXISTING CONSTRUCTION MATERIALS, AND WILL LIKELY BE ENCOUNTERED DURING ALTERATIONS OR REMODELING.

UNDER CALIFORNIA TITLE 8. THE OWNER AND CONTRACTOR BOTH HAVE RESPONSIBILITIES TO DETERMINE THE EXISTENCE OF ASBESTOS CONTAINING MATERIALS IN AREAS TO BE ALTERED OR REMODELED PRIOR TO COMMENCEMENT OF WORK AND TO TAKE APPROPRIATE MEASURES TO PROTECT PERSONNEL. CAL-OSHA HAS JURISDICTION OVER ASBESTOS RELATED WORK. ASBESTOS RELATED WORK SHALL BE DONE IN ACCORDANCE WITH CALIFORNIA GENERAL INDUSTRIAL SAFETY ORDERS, TITLE 8, SECTION 341.6 THROUGH 341.14. ASBESTOS IN THE WORK ENVIRONMENT IS REGULATED BY TITLE 8, SECTION 5208.

THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT AND DISTRICT REGULATION 11-2-401.3 REQUIRES EVERY RENOVATION INVOLVING THE REMOVAL OF 100 SQ.FT., LN.FT, OR GREATER OF REGULATED ASBESTOS CONTAINING MATERIAL AND FOR EVERY DEMOLITION (EVEN WHEN NO ASBESTOS IS PRESENT), A NOTIFICATION MUST BE SENT TO THE BAAQMD AT LEAST 10 WORKING DAYS PRIOR TO COMMENCEMENT OF DEMOLITION / RENOVATION.

#### ALL BUILDING MATERIALS MUST BE ASBESTOS FREE.

THESE DOCUMENTS DO NOT ADDRESS CONTAINMENT FOR EXISTING AREAS OF ASBESTOS WHICH MAY BE DISCOVERED DURING CONSTRUCTION. THE OWNER'S ABATEMENT SUBCONTRACTOR IS SOLELY RESPONSIBLE FOR THE DETECTION, REMOVAL, AND THE DISPOSAL OF ANY EXISTING ASBESTOS MATERIAL. ARCHITECTURAL AND ENGINEERING FEES FOR ADDITIONAL DESIGN EFFORT TO OBTAIN STATE APPROVALS, AS WELL AS THE COST OF ANY REPAIRS, FOR DAMAGE CAUSED OR REPLACEMENT OF EXISTING SYSTEMS TO REMAIN, DUE TO WORK PERFORMED BY THE ASBESTOS ABATEMENT SUBCONTRACTOR, SHALL BE THE RESPONSIBILITY OF SAID SUBCONTRACTOR.

#### CONSTRUCTION SCHEDULING

CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH OWNER'S REPRESENTATIVE PRIOR TO SCHEDULING AND START OF THE WORK. CONTRACTOR SHALL PROVIDE PROTECTION TO ALL EXISTING SPACES AND SYSTEMS WHICH ARE IN USE, ADJOINING THE PROJECT, AND NOT PART OF THE PROJECT.

#### INTERIOR FINISHES

INTERIOR FINISHES AND ALL WALL COVERING MATERIAL SHALL CONFORM TO CCR TITLE 24, PART 2, CHAPTER 8.

#### DRILLED-IN EXPANSION ANCHORS

WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWDER DRIVEN PINS IN EXISTING NON-PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. WHEN INSTALLING THEM INTO EXISTING PRESTRESSED CONCRETE (PRE- OR POST-TENSIONED), LOCATE THE PRESTRESSED TENDONS BY USING A NON-DESTRUCTIVE METHOD PRIOR TO INSTALLATION. EXERCISE EXTREME CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE TENDONS DURING INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN.

#### TITLE 24 COMPLIANCE

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, CALIFORNIA CODE OF REGULATIONS (2019 CBC). SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK, SHALL BE SUBMITTED TO AND APPROVED BY THE DSA BEFORE PROCEEDING WITH THE WORK.

#### ADMINISTRATIVE REQUIREMENTS FROM PART 1., TITLE 24, C.C.R. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT, AND

APPROVED BY DSA, AS PER SECTION 4-338 - A DSA CERTIFIED PROJECT INSPECTOR EMPLOYED BY THE DISTRICT AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF WORK, PER SECTION 4-342. - A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE

DISTRICT SHALL CONDUCT ALL REQUIRED TEST AND INSPECTIONS FOR THE PROJECT. - SPECIAL INSPECTION PER SECTION 4-333 (C) - CONTRACTOR SHALL SUBMIT VERIFIED REPORT OR SECTION 4-336 & 4-343

- ADMINISTRATION OR CONSTRUCTION PER PART 1, TITLE 24, C.C.R. - DUTIES OF ARCHITECT, STRUCTURAL ENGINEER, OR PROFESSIONAL ENGINEER PER SECTION 4-333 (A) AND 4-341

#### - DUTIES OF CONTRACTOR PER SECTION 4-343 - VERIFIED REPORTS PER SECTION 4-343 AND 4-336 A COPY OF PARTS 1 TO 5 OF TITLE 24 SHALL BE KEPT AND AVAILABLE IN

THE FIELD DURING CONSTRUCTION - DSA SHALL BE NOTIFIED AT START OF CONSTRUCTION AND PRIOR TO PLACEMENT OF CONCRETE PER SECTION 4-331 - SUPERVISION BY DSA PER SECTION 4-334 - DSA IS NOT SUBJECT TO ARBITRATION

## GENERAL NOTES, cont.

#### ADMINISTRATIVE REQUIREMENTS

- ADDENDA MUST BE SIGNED BY ARCHITECT AND APPROVED BY DSA NO CHANGES OR REVISIONS SHALL BE MADE FOLLOWING WRITTEN APPROVAL WHICH
- AFFECTS ACCESS COMPLIANCE ITEM UNLESS SUCH CHANGES TO REVISIONS ARE SUBMITTED TO DSA FOR APPROVAL SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS SHALL BE SUBMITTED AS A
- CONSTRUCTION CHANGE DOCUMENT OR ADDENDA, AND SHALL BE APPROVED BY DSA PRIOR TO FABRICATION AND INSTALLATION CONSTRUCTION CHANGE DOCUMENTS MUST BE SIGNED BY THE FOLLOWING
- ARCHITECT OR ENGINEER OF RECORD STRUCTURAL ENGINEER (WHEN APPLICABLE
- DELEGATED PROFESSIONAL ENGINEER
- MATERIALS AND THEIR INSTALLATIONS SHALL COMPLY WITH APPLICABLE CODES. PER CBC 11B-104.1 "ALL DIMENSIONS ARE SUBJECT TO CONVENTIONAL INDUSTRY TO FRANCES EXCEPT WHERE THE REQUIREMENT IS STATED AS A RANGE WITH SPECIFIC MINIMUM AND MAXIMUM END POINTS.

#### COMPLIANCE WITH LOCAL ORDINANCES

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

	REVIATIONS	-	
	CONSULTANT DRAWINGS FOR		
4.F.F. 4.P.	ABOVE FINISHED FLOOR ACCESS PANEL	LAM.	
ACT	ACOUSTIC TILE	LAV. M.B.	LAVATORY MACHINE BOLT
ADJ.	ADJUSTABLE	M.S.	MACHINE SCREW
ALUM. A.B.	ALUMINUM ANCHOR BOLT	M.H.	MANHOLE
	APPROXIMATELY	MFG. M.B.	MANUFACTURER MARKER BOARD
-	ARCHITECT	MATL.	MATERIAL
AC @	ASPHALTIC CONCRETE AT	MAX.	MAXIMUM
З.М.	BENCH MARK	MECH. MTL.	MECHANICAL METAL
BLKG. BD.	BLOCKING BOARD	MIN.	MINIMUM
3.W.	BOTH WAYS	MISC.	MISCELLANEOUS
BOT.	BOTTOM	MTD. (N)	MOUNTED NEW
BLDG. B.U.R.	BUILDING BUILT-UP ROOFING	NOM.	NOMINAL
С.В.	CATCH BASIN	N.I.C.	NOT IN CONTRACT
CLG. CEM.	CEILING CEMENT	N.T.S. NO. or #	NOT TO SCALE NUMBER
	CENTER TO CENTER	OCC.	OCCUPANT(CY)
	CENTERLINE	0.C.	ON CENTER
CER. TILE C.O.	CERAMIC TILE CLEANOUT	OPNG.	OPENING
D.O. D.O.T.G.	CLEANOUT TO GRADE	OPP. O.H.	OPPOSITE OPPOSITE HAND
CLR.	CLEAR	0.F.O.S.	OUTSIDE FACE OF STUD
C.A.H.R.	CLEAR ALL HEART REDWOOD	O.H.W.S.	
C.W.	COLD WATER	O.D.	OVERFLOW DRAIN and/or
COL.	COLUMN	O.F.C.I.	OUTSIDE DIAMETER OWNER FURNISHED and
COM. CONC.	COMMON CONCRETE		CONTRACTOR INSTALLED
CONST.	CONSTRUCTION	PR. PART.	PAIR PARTITION
C.H.	CONSTRUCTION HEART	PL	PLATE
C.J.	CONSTRUCTION JOINT	d	PENNY (NAILS)
CONT. CONTR.	CONTINUOUS CONTRACTOR	PLAS.	PLASTER PLYWOOD
CTR	COUNTER		POLY VINYL CHLORIDE
CTSK.	COUNTER SUNK DETAIL DIAMETER	P.T.	PRESSURE TREATED
DET. DIA. or Ø			
DIM.	DIMENSION	R. or RAD. R.W.L.	RADIOS RAIN WATER LEADER
	DISABLED ACCESS	RWD./R.W.	REDWOOD
DR.	DOOR DOWNSPOUT		REINFORCING
D.S. DWG.	DRAWING		REQUIRED RETURN AIR GRILLE
	DRINKING FOUNTAIN		RIM ELEVATION
	and/or DOUGLAS FIR		ROOF DRAIN
EA. E.W.	EACH EACH WAY	RM.	ROOM ROUGH OPENING
ELEC.	ELECTRIC or ELECTRICAL	R.O. RND.	ROUND
EL. or			ROUND HEAD METAL SCREW
	ELEVATION ENCLOSE and/or ENCLOSURE	R.H.W.S.	ROUND HEAD WOOD SCREW SEE STRUCTURAL DRAWINGS
EQ.	EQUAL		SELF TAPPING SHEET
EQUIP.	EQUIPMENT		METAL SCREW
E) EX.	EXISTING EXPANSION		SHEATHING
Ξ.J.	EXPANSION JOINT EXPOSED		SHEET METAL SHEET METAL SCREW
			SHUT OFF VALVE
	EXTERIOR FACE OF CONCRETE	SIM.	SIMILAR
О.М.	FACE OF MASONRY	S.C. SPEC.	SOLID CORE SPECIFICATION
.O.S.	FACE OF STUD FACE OF FINISH	SQ.	SQUARE
F.O.F. FIN.	FACE OF FINISH FINISH		SQUARE FEET
F.F.	FINISHED FLOOR		STAGGERED STANDARD
S.	FINISH SLAB		STANDARD STAINLESS STEEL
	FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET	STL.	STEEL
	FIRE HYDRANT	STOR.	STORAGE STRUCTURAL
H.M.S.	FLAT HEAD METAL SCREW		SUPPLY AIR GRILLE
	FLAT HEAD WOOD SCREW		THRESHOLD
FL. or FLR. F.D.	FLOOR FLOOR DRAIN	T&G T.J.	TONGUE & GROOVE TOOLED JOINT
TG.	FOOTING	т. <u>.</u> . Т.О.В.	TOP OF BEAM
ND.	FOUNDATION	T.O.C.	TOP OF CURB or CONCRETE
GALV. G.I.	GALVANIZED GALVANIZED IRON	T.O.S. T.O.W.	TOP OF STEEL or SHEATHING TOP OF WALK
GA.	GAUGE	TYP.	TYPICAL
GL.	GLASS	U.O.N.	UNLESS OTHERWISE NOTED
GLU-LAM GRD.	GLUE-LAMINATED GRADE	U.O.S.	
GYP. BD.	GYPSUM BOARD	V.T.R. VERT.	VENT THROUGH ROOF VERTICAL
HDW.	HARDWARE	V.G.	VERTICAL GRAIN
HT.		V.I.F. V.C.T.	VERIFY IN FIELD VINYL COMPOSITION TILE
H.C. H.M.	HOLLOW CORE HOLLOW METAL	V.C.T. V.W.C.	VINYL COMPOSITION TILE
HORIZ.	HORIZONTAL	V.O.I.P.	VOICE OVER INTERNET PROTOCOL
Н.В.	HOSE BIBB	W.C.	WATER CLOSET
.D. NSUL.	INSIDE DIAMETER INSULATION	W.H.	
NSUL. NT.	INTERIOR	WP. W.R.	WATERPROOF WATER RESISTANT
NV.	INVERT	W.W.M.	WELDED WIRE MESH
JT J.H.	JOINT JOIST HANGER	W.D.	
ν.η. Κ.D.	KILN DRIED	W/ W/O	WITH WITHOUT
		WD.	WOOD

PLEASANTON UNIFIED SCHOOL DISTRICT



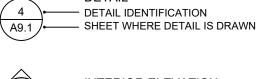
## **BUILDING CODES** AND STANDARDS:

2019 2019	CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24, ( (2018 INTERNATIONAL BUILDING CODE, VOLUMES 1 AN	C.C.R.			
2019	CALIFORNIA AMENDMENTS.) CALIFORNIA ELECTRIC CODE (CEC), PART 3, TITLE 24, C.C.R. (2018 NATIONAL ELECTRIC CODE WITH 2019 CALIFORNIA AMENDMENTS).				
2019	CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE (2018 UNIFORM MECHANICAL CODE WITH 2019 CALIFO AMENDMENTS).	24, C.C.R.			
2019	CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24, (2018 UNIFORM PLUMBING CODE WITH 2019 CALIFORN	IIA AMENDMENTS).			
2019 2019	CALIFORNIA ENERGY CODE (CENC), PART 6, TITLE 24, CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24, C.C.R				
2019	(2018 INTERNATIONAL FIRE CODE WITH 2019 CALIFORI CALIFORNIA GREEN BUILDING STANDARDS CODE, PAF C.C.R.	NIA AMENDMENTS).			
2019 2016	CALIFORNIA REFERENCED STANDARDS, PART 12, TITL ASME A17.1 (W/A17.1a/CSA B44a-08 ADDENDA) SAFETY				
2010	ELEVATORS AND ESCALATORS ADA STANDARDS FOR ACCESSIBLE DESIGN (28 CFR PART 35 FOR TITLE II ENTITIES)				
CCR TIT	LE-19, PUBLIC SAFETY, STATE FIRE MARSHAL REGULA	TIONS.			
	INSTALLATION OF SPRINKLER SYSTEMS				
NFPA 13 NFPA 14	(CA AMENDED)	2016 EDITION 2016 EDITION			
	(CA AMENDED)	ZOTO EDITION			
NFPA 17		2017 EDITION			
NFPA 17		2017 EDITION			
NFPA 20		2016 EDITION			
NFPA 22		2013 EDITION			
NFPA 24	PRIVATE FIRE SERVICE MAINS (CA AMENDED).	2016 EDITION			
NFPA 25		2013			
	WATER BASED FIRE PROTECTION SYSTEMS	CALIFORNIA			
		EDITION			
NFPA 72	NATIONAL FIRE ALARM CODE (CA AMENDED)	2016 EDITION			
NFPA 80		2016 EDITION			
NFPA 92	STANDARD FOR SMOKE CONTROL SYSTEMS	2015 EDITION			
NFPA 11	0 EMERGENCY AND STANDBY POWER SYSTEMS	2016 EDITION			
NFPA 17		2018 EDITION			
NFPA 25		2015 EDITION			
NFPA 20	01 CLEAN AGENT FIRE EXTINGUISHING SYSTEMS	2015 EDITION			
ICC 300	STANDARDS FOR BLEACHERS, FOLDING AND TELESCOPIC SEATING, AND GRANDSTANDS	2017 EDITION			
SFM 12-	10-1 POWER OPERATED EXIT DOORS				
SFM 12-	10-2 SINGLE POINT LATCHING OR LOCKING DEVIC	ES			
SFM 12-	10-3 EMERGENCY EXIT & PANIC HARDWARE				
UL 38	MANUAL OPERATING SIGNAL BOXES	1999/2005 EDITION			
UL 268	SMOKE DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS	2009 EDITION			
UL 268A		1998/2003 EDITION			
UL 300	FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS	2005 (R2010)			
	FOR PROTECTION OF COMMERCIAL COOKING EQUIPMENT	· ·			
UL 305	PANIC HARDWARE	2012 EDITION			
UL 464	AUDIBLE SIGNALING DEVICES FOR FIRE ALARM				
	AND SIGNALING SYSTEMS, AND ACCESSORIES 2003 EDITION				
UL 521	HEAT DETECTORS FOR FIRE PROTECTIVE	1999 EDITION			
	SIGNALING SYSTEMS				
UL 864	CONTROL UNITS FOR FIRE PROTECTIVE SIGNALING SYSTEMS	2003 EDITION			
	(W/ REVISIONS THROUGH DEC. 2014)				
UL 1971	SIGNALING DEVICES FOR THE HEARING IMPAIRED	2002 EDITION			

#### COMPLIANCE WITH CFC CHAPTER 33, FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION AND CBC CHAPTER 33, SAFETY DURING CONSTRUCTION WILL BE ENFORCED.

SY	ΜB	OL	S L	EG	ΕN	D

SECTION / EXTERIOR ELEVATION - SECTION IDENTIFICATION - SHEET WHERE SECTION IS DRAWN DETAIL





ROOM IDENTIFICATION CLASSROOM ROOM NAME 102 — ROOM NUMBER

SPECIFIC NOTE

/ 3

(102A)

 $\langle A \rangle$ 

(127)—

(+8'-0")

DOOR DESIGNATION

WINDOW DESIGNATION

CLOUD AROUND REVISION

ADDENDUM REVISION

CCD REVISION CLOUD AROUND REVISION

> FINISH NUMBER SEE SPECS AND I.E. DWGS.

EQUIPMENT LETTER Α — SEE EQUIPMENT SCHEDULE

CEILING HEIGHT

WALL TYPE

MATCH LINE

+8'-0" ELEV. HEIGHT / F.O.S., U.O.N.

— FACE OF FINISH

## PROJECT SUMMARY

NCREMENT SITE WORK AND THE CONSTRUCT PARKING LOT "A' FENCING AND GA

**INCREMENT 2** -NEW MODULAR -NEW PRE-MANU -NEW FABRIC SHADE STRUCTURE- PC

NCREMENT 3 CLASSROOM RENOVATIONS: -INTERIOR FINISHES -ELECTRICAL, PLUMBING AND HVAC WORK

**DESIGN TEAM** 

ARCHITECT SUGIMURA FINNEY ARCHITECTS CAMPBELL, CALIFORNIA 95008 (408) 879-0600 (408) 377-6066 FAX

8 HARRIS COURT, SUITE A8 MONTEREY, CALIFORNIA 93940 (408) 510-0906

300 S. 1ST STREET, SUITE 342 SAN JOSE, CA 95113 (408) 564-7925

## DSA FILE NUMBER 01-32 DSA APPLICATION NUMBER 01-119271 **OPSC TRACKING NUMBER 75101-**

UTILITY INFRASTRUCTURE ASSOCIATED WITH
TION OF A NEW MODULAR BUILDING. INCLUDING
" ALTERATIONS, NEW COURTYARD, NEW
ATES .

R SCIENCE BUILDING- PC
UFACTURED METAL WALKWAY STRUCTURE-PC

THERE ARE NO DEFERRED SUBMITTALS FOR THIS PROJECT.

2155 SOUTH BASCOM AVENUE SUITE 200

ATTN: MARK FINNEY MARK@SUGIMURA.COM

MECHANICAL/PLUMBING ENGINEER CYPRESS ENGINEERING GROUP

ATTN: METIN SERTTUNC metin@cypresseg.com

ELECTRICAL AND FIRE ALARM ENGINEER AURUM CONSULTING ENGINEERS

## ATTN: NAJIB ANWARY NAJIB@ACEMB.COM

## DRAWING INDEX

## 2-T1 TITLE SHEET

- 2-T3 SITE PLAN FIRE LIFE SAFETY COMPLIANCE ARCHITECTURAL
- 2-A0.3 NEW ENLARGED SITE PLAN
- 2-A2.1 NEW FLOOR PLANS 2-A2.2 NEW FLOOR PLANS - SHADE STRCUTURES
- 2-A3.1 REFLECTED CEILING PLAN 2-A4.1 ROOF PLAN
- 2-A5.1 NEW ENLARGED FLOOR PLANS 2-A6.1 DOOR-WINDOW SCHEDULES AND DOOR SIGNAGE
- 2-A6.3 FINISH SCHEDULE 2-A7.1 EXTERIOR ELEVATIONS 2-A7.2 INTERIOR ELEVATIONS
- 2-A8.1 BUILDING SECTIONS
- MECHANICAL 2-M0.1 SYMBOL LEGENDS, ABBREVIATIONS, NOTES-MECHANICAL 2-M2.1 NEW FLOOR PLAN - MECHANICAL

## PLUMBING

2-P0.1 SYMBOL LEGENDS, ABBREVIATIONS, NOTES-PLUMBING 2-P2.1 NEW FLOOR PLAN- PLUMBING

## ELECTRICAL

- 2-E0.1 SYMBOLS, ABBREVIATIONS, CODES, STANDARDS, NOTES & SHEET INDEX 2-E1.1 ELECTRICAL SINGLE LINE DIAGRAM & PANELBOARD SCHEDULES
- 2-E4.1 POWER & SYSTEMS PLAN 2-E4.2 POWER & SYSTEMS PARTIAL FLOOR PLAN
- 2-E5.1 LIGHTING PARTIAL REFLECTED CEILING PLAN 2-E5.2 LIGHTING PARTIAL REFLECTED CEILING PLAN
- 2-E6.1 ELECTRICAL DETAILS 2-E6.2 ELECTRICAL DETAILS
- 2-E6.3 ELECTRICAL DETAILS
- 2-FA0.1 FIRE ALARM SYMBOLS, ABBREVIATIONS, EQUIPMENT LIST, **OPERATIONAL MATRIX, DETAILS & NOTES** 2-FA4.1 FIRE ALARM PARTIAL FLOOR PLAN 2-FA4.2 FIRE ALARM PARTIAL FLOOR PLAN

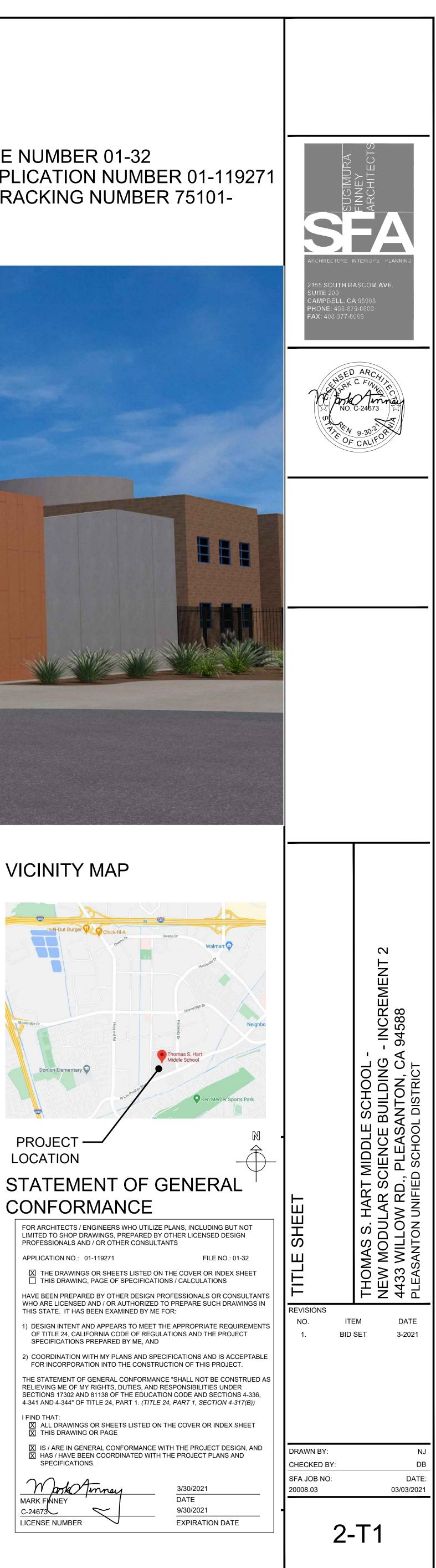
## VALLEY SCHOOL SHELTERS PRE-CHECK PC 2019 C.B.C.

## S1 FOUNDATION PLANS, GENERAL NOTES, DETAILS

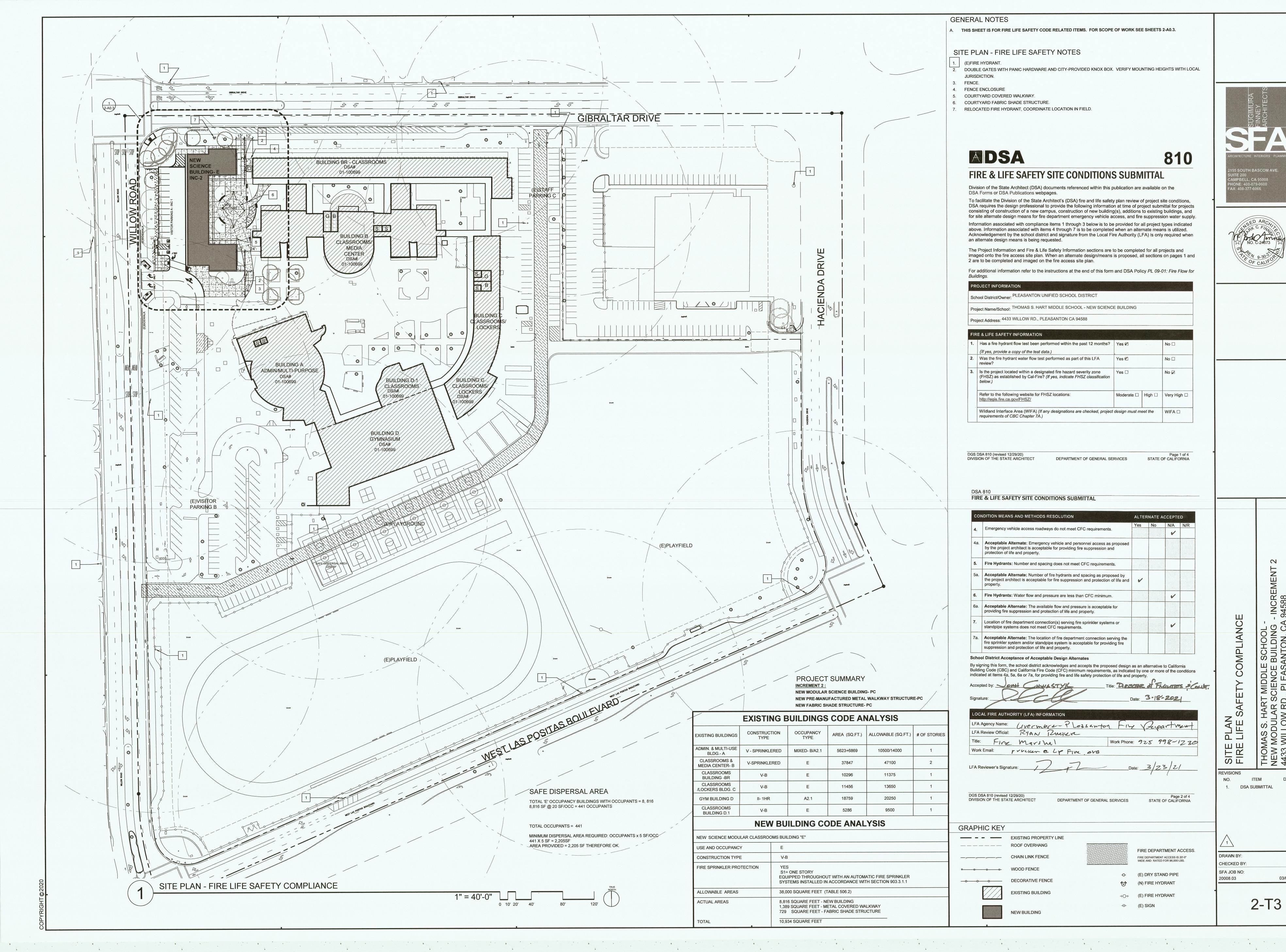
- S2 ROOF FRAMING PLANS S3 SECTION, TYPICAL ELEVATIONS DETAILS
- S4 SECTION, DETAIL

## USA FABRIC SHADE STRUCTURE DSA P.C. 04-117140

P.C.T-1.0	PC TITLE SHEET
P.C. T-2.0	DSA 103 FORMS
5.1-1000	PRODUCT INFORMATION
5.2-2000	REACTIONS



FOR ARCHITECTS / ENGINEERS WHO UTILIZE PLANS, INCLUDING E LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DI PROFESSIONALS AND / OR OTHER CONSULTANTS
APPLICATION NO.: 01-119271 FILE NO
THE DRAWINGS OR SHEETS LISTED ON THE COVER OR INDE THIS DRAWING, PAGE OF SPECIFICATIONS / CALCULATIONS
HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR C WHO ARE LICENSED AND / OR AUTHORIZED TO PREPARE SUCH D THIS STATE. IT HAS BEEN EXAMINED BY ME FOR:
<ol> <li>DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE RE OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PR SPECIFICATIONS PREPARED BY ME, AND</li> </ol>
2) COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PRO
THE STATEMENT OF GENERAL CONFORMANCE "SHALL NOT BE CO RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES UN SECTIONS 17302 AND 81138 OF THE EDUCATION CODE AND SECTI 4-341 AND 4-344" OF TITLE 24, PART 1. <i>(TITLE 24, PART 1, SECTION</i>
I FIND THAT: ALL DRAWINGS OR SHEETS LISTED ON THE COVER OR INDE THIS DRAWING OR PAGE
IS / ARE IN GENERAL CONFORMANCE WITH THE PROJECT DI



## **GENERAL NOTES**

A. THIS SHEET IS FOR FIRE LIFE SAFETY CODE RELATED ITEMS. FOR SCOPE OF WORK SEE SHEETS 2-A0.3.

#### SITE PLAN - FIRE LIFE SAFETY NOTES

1. (E)FIRE HYDRANT. DOUBLE GATES WITH PANIC HARDWARE AND CITY-PROVIDED KNOX BOX. VERIFY MOUNTING HEIGHTS WITH LOCAL JURISDICTION.

- 3. FENCE.
- 4. FENCE ENCLOSURE 5. COURTYARD COVERED WALKWAY.
- 6. COURTYARD FABRIC SHADE STRUCTURE.
- 7. RELOCATED FIRE HYDRANT, COORDINATE LOCATION IN FIELD.



## **FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL**

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages. To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions,

DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply. Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and imaged onto the fire access site plan. When an alternate design/means is proposed, all sections on pages 1 and 2 are to be completed and imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy PL 09-01: Fire Flow for Buildings.

PROJECT INFORMATION School District/Owner: PLEASANTON UNIFIED SCHOOL DISTRICT

Project Name/School: THOMAS S. HART MIDDLE SCHOOL - NEW SCIENCE BUILDING

Project Address: 4433 WILLOW RD., PLEASANTON CA 94588

FIR	E & LIFE SAFETY INFORMATION			
1.	Has a fire hydrant flow test been performed within the past 12 months? (If yes, provide a copy of the test data.)	Yes 🗹	6 a	No 🗆
2.	Was the fire hydrant water flow test performed as part of this LFA review?	Yes 🗹		No 🗆
3.	Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? (If yes, indicate FHSZ classification below.)	Yes 🗆		No 🛛
	Refer to the following website for FHSZ locations: http://egis.fire.ca.gov/FHSZ/	Moderate 🗆	High 🗆	Very
	Wildland Interface Area (WIFA) (If any designations are checked, project requirements of CBC Chapter 7A.)	design must m	eet the	WIFA

DGS DSA 810 (revised 12/29/20) DIVISION OF THE STATE ARCHITECT

DEPARTMENT OF GENERAL SERVICES

#### DSA 810 FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

COI	IDITION MEANS AND METHODS RESOLUTION	ALTE	RNATE A	ACCEP
		Yes	No	N/A
4.	Emergency vehicle access roadways do not meet CFC requirements.			~
4a.	Acceptable Alternate: Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.			
5.	Fire Hydrants: Number and spacing does not meet CFC requirements.			
5a.	Acceptable Alternate: Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.	V		
6.	Fire Hydrants: Water flow and pressure are less than CFC minimum.			V
6a.	Acceptable Alternate: The available flow and pressure is acceptable for providing fire suppression and protection of life and property.			
7.	Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.			~
7a.	Acceptable Alternate: The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.			

School District Acceptance of Acceptable Design Alternate

By signing this form, the school district acknowledges and accepts the pro-	posed design as	an alternative to Cal
Building Code (CBC) and California Fire Code (CFC) minimum requirement	nts, as indicated	by one or more of the
indicated at items 4a, 5a, 6a or 7a, for providing fire and life safety protecti	on of life and pro	operty.
		P-

Title: Descree of Frances & Courts. Date: 3-18-2021

LOCAL FIRE AUTHORITY (LFA) INFORMATION			
LFA Agency Name: Uvermore-PLeisanto	n Fing	R	part
LFA Review Official: RYAN Ruger		100	Y
Title: Firz Marshal	Work Phone:	925	998
Work Email: rrucken e LP Five, oro			

DGS DSA 810 (revised 12/29/20) DIVISION OF THE STATE ARCHITECT

LFA Reviewer's Sic

Page 2 of 4 STATE OF CALIFORNIA

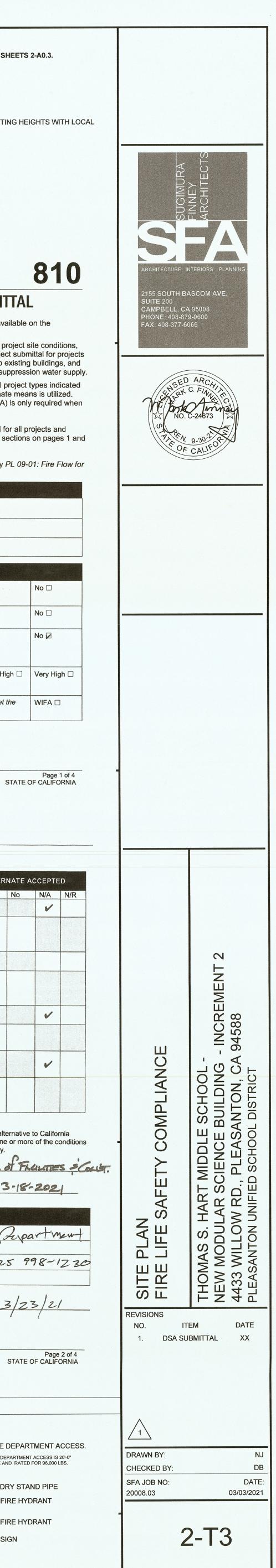
<b>GRAPHIC KEY</b>			
	EXISTING PROPERTY LINE		
eservene entrove estructo estructo estante tambiento	ROOF OVERHANG		
	CHAIN LINK FENCE		FIRE DE WIDE AN
0000	WOOD FENCE		
	DECORATIVE FENCE	-0-	(E) DI
	DECONATIVE FENCE	6	(N) FI
	EXISTING BUILDING	+0+	(E) FI
		-0-	(E) SI
	NEW BUILDING		

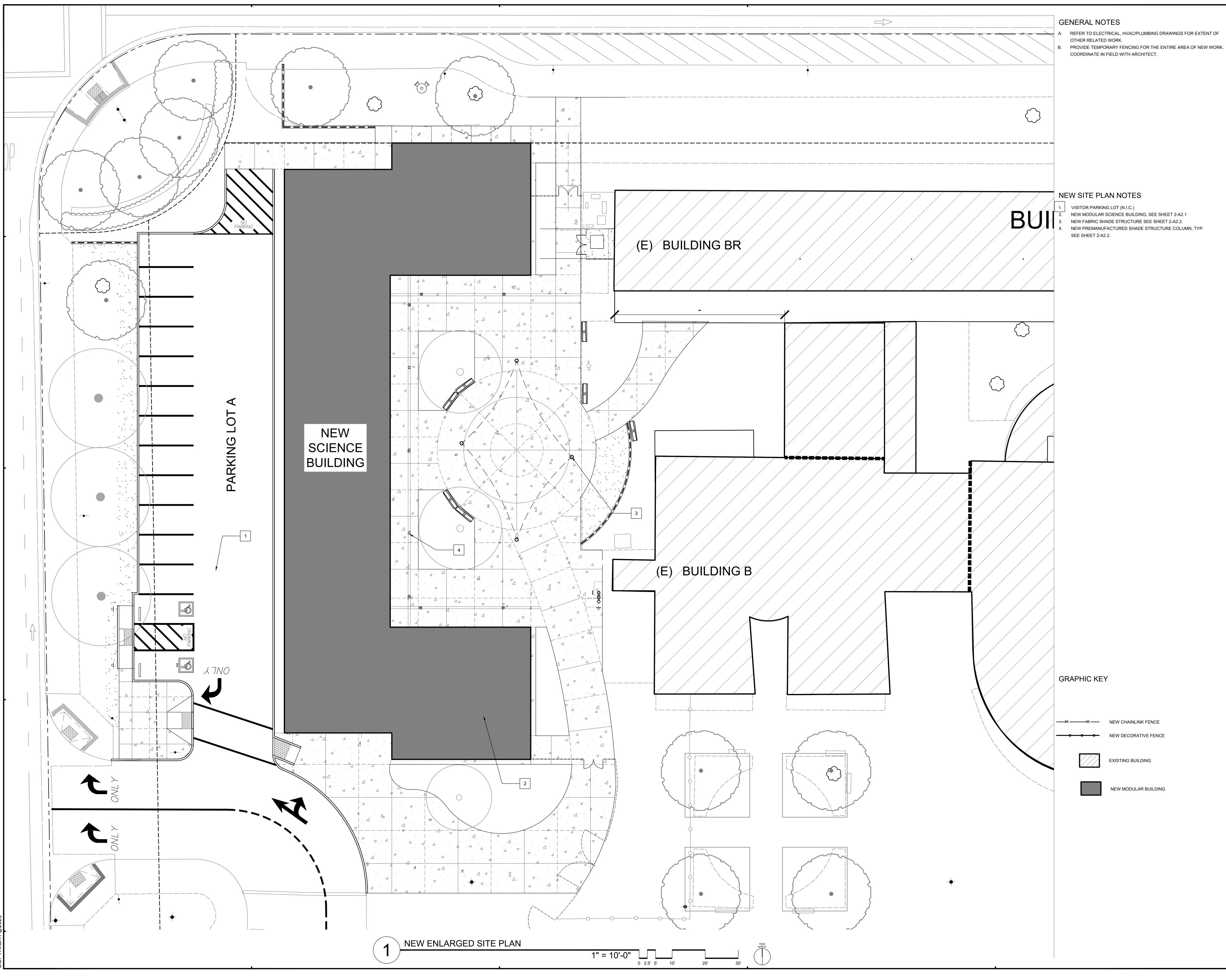
DEPARTMENT ACCESS. DEPARTMENT ACCESS IS 20'-0" AND RATED FOR 96,000 LBS.

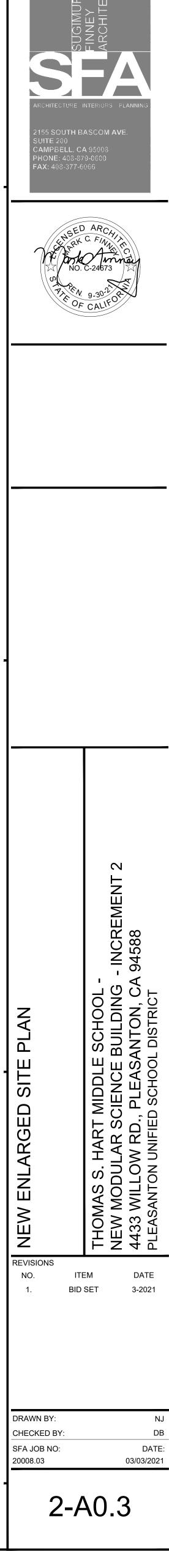
DRY STAND PIPE FIRE HYDRANT

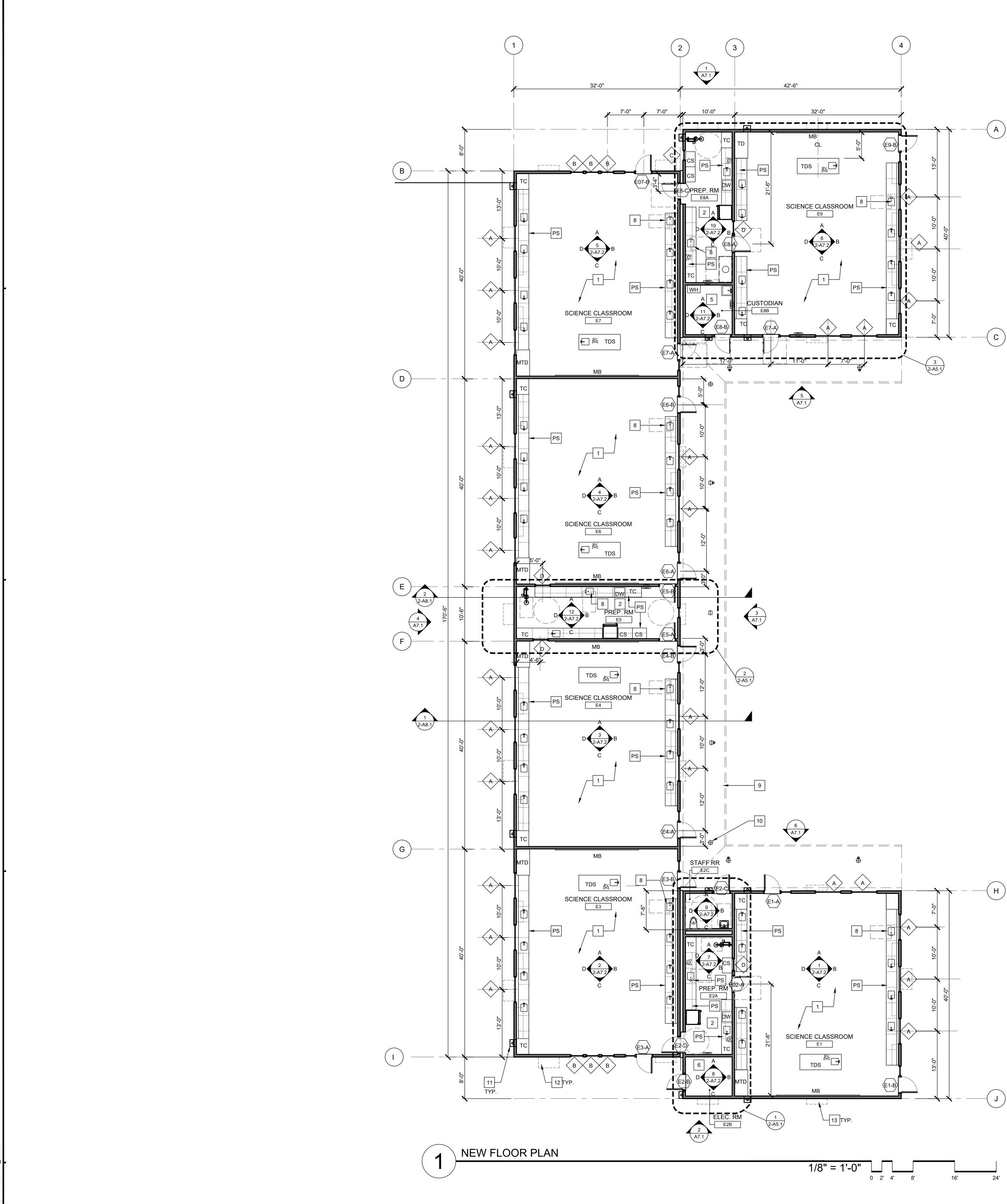
IRE HYDRANT SIGN

DEPARTMENT OF GENERAL SERVICES









- EXTENT OF OTHER RELATED WORK.
- DOOR.

- H. PROVIDE ROLLER SHADES AT ALL EXTERIOR WINDOWS.
- BARRIER, AND DRAIN SYSTEM TYP.

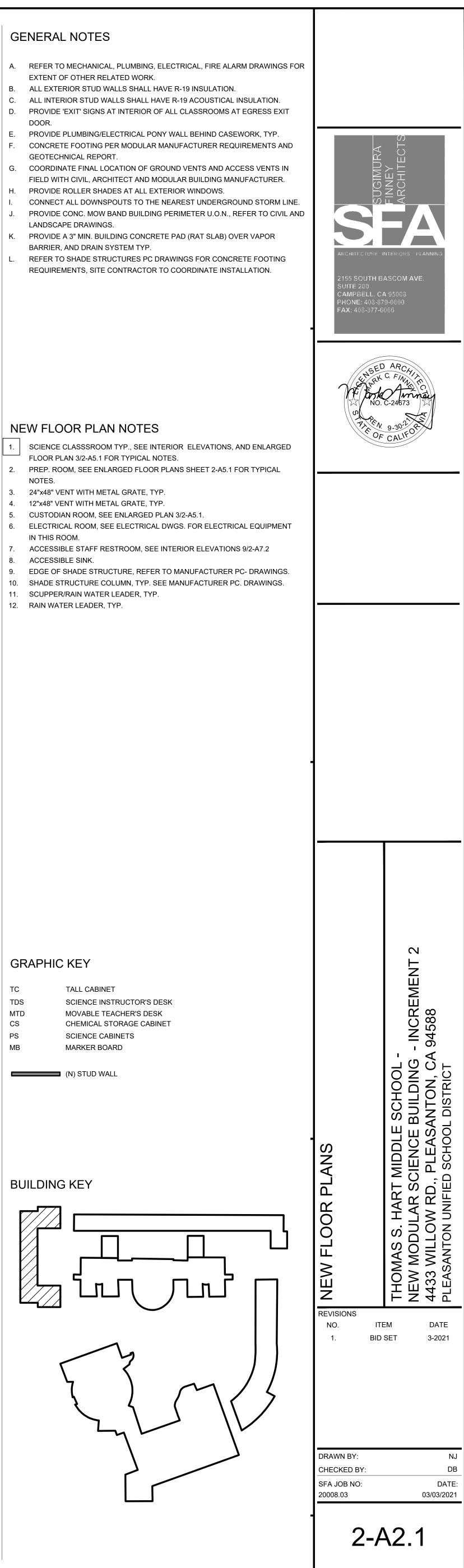
## NEW FLOOR PLAN NOTES

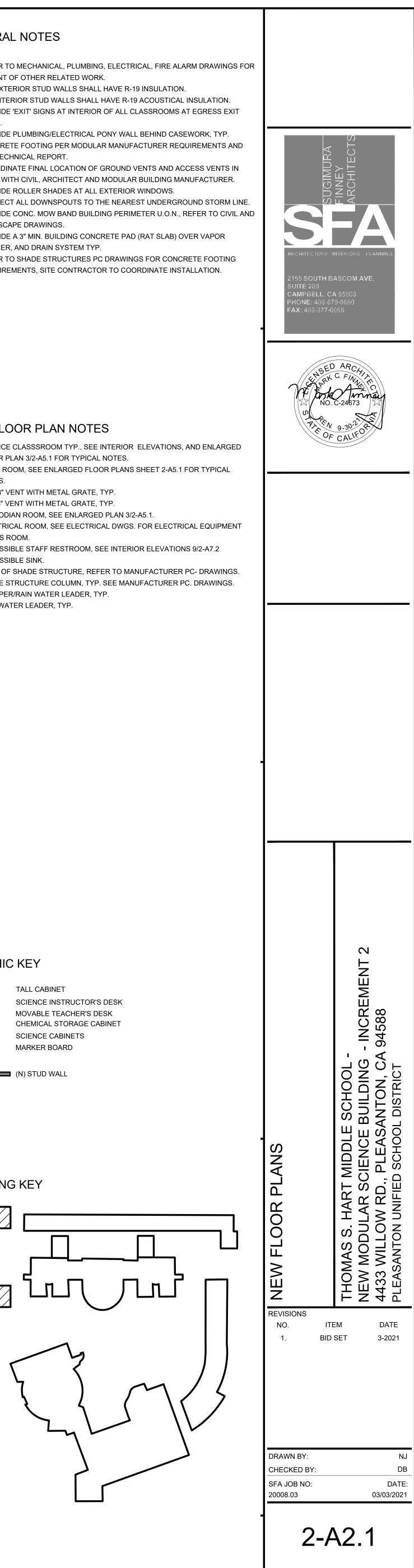
- FLOOR PLAN 3/2-A5.1 FOR TYPICAL NOTES.

- IN THIS ROOM.

тс	TALL CABINET
TDS	SCIENCE INSTRUCTOR'S DESK
MTD	MOVABLE TEACHER'S DESK
CS	CHEMICAL STORAGE CABINET
PS	SCIENCE CABINETS
MB	MARKER BOARD

## **BUILDING KEY**

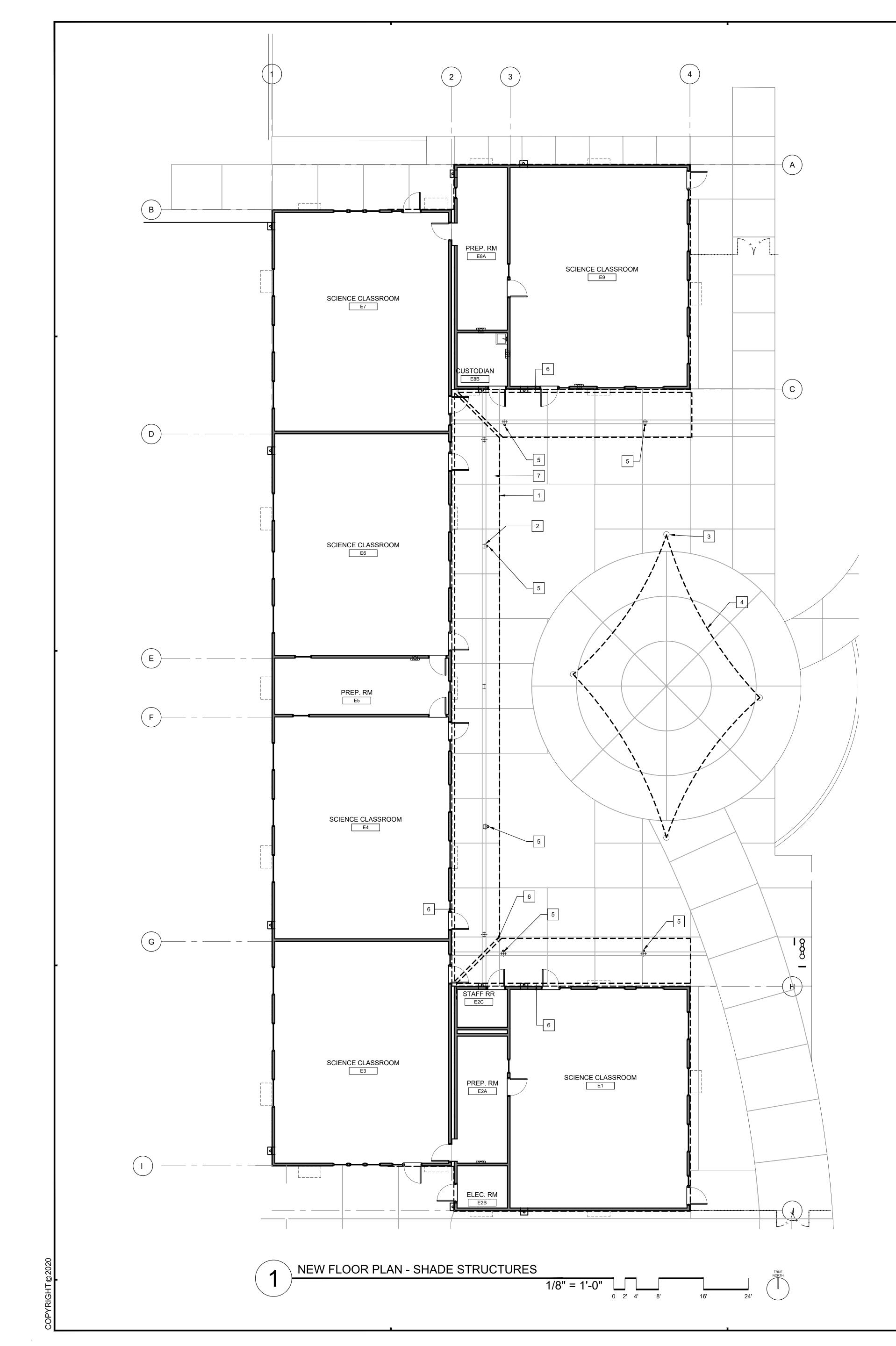


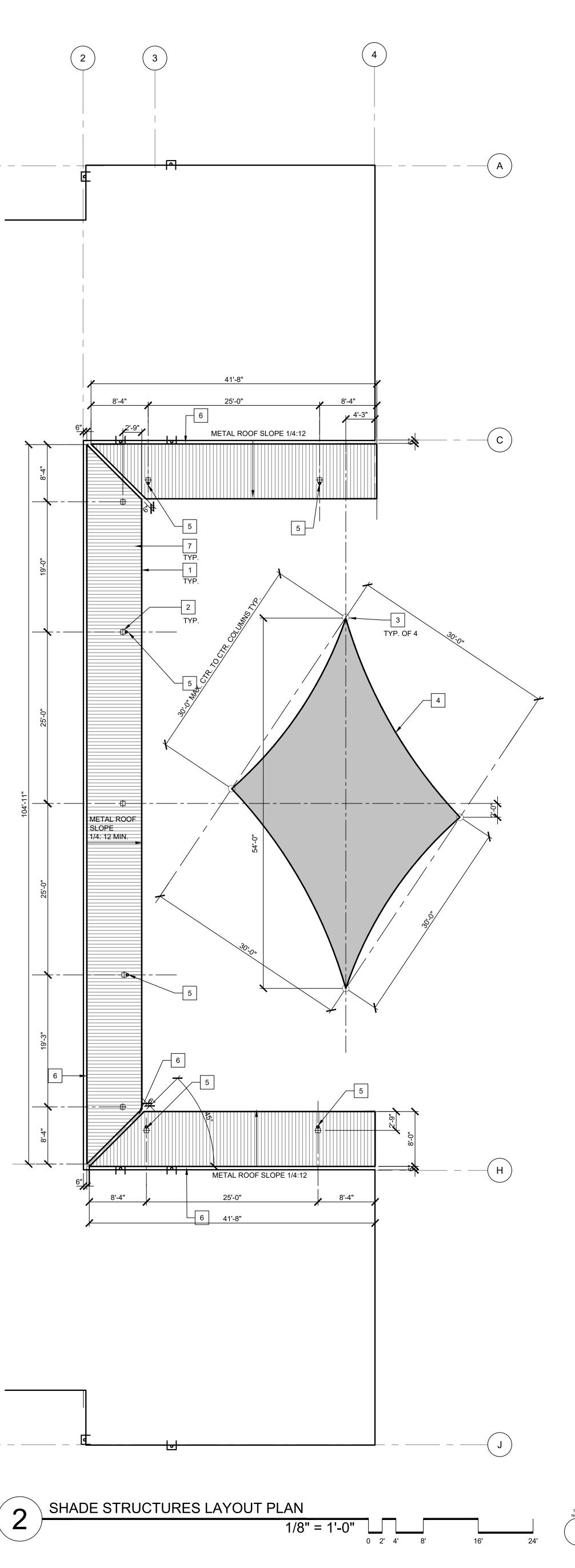


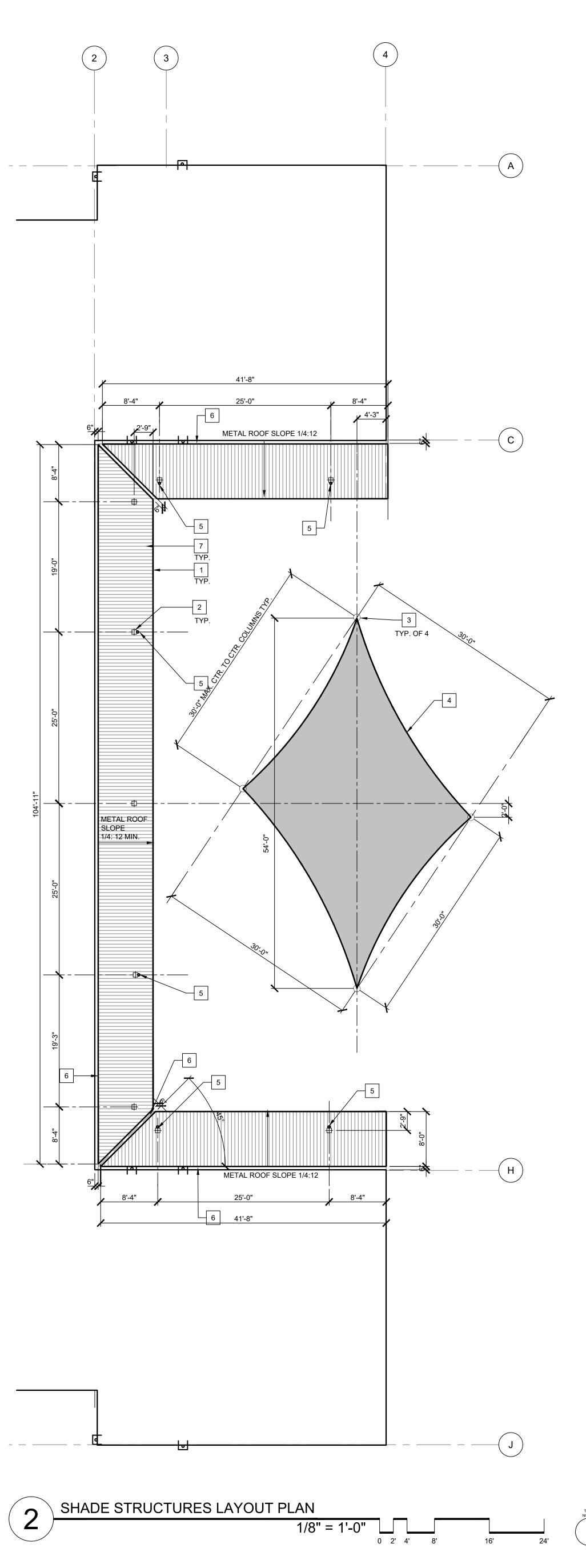
Н

-( C )

-( J )





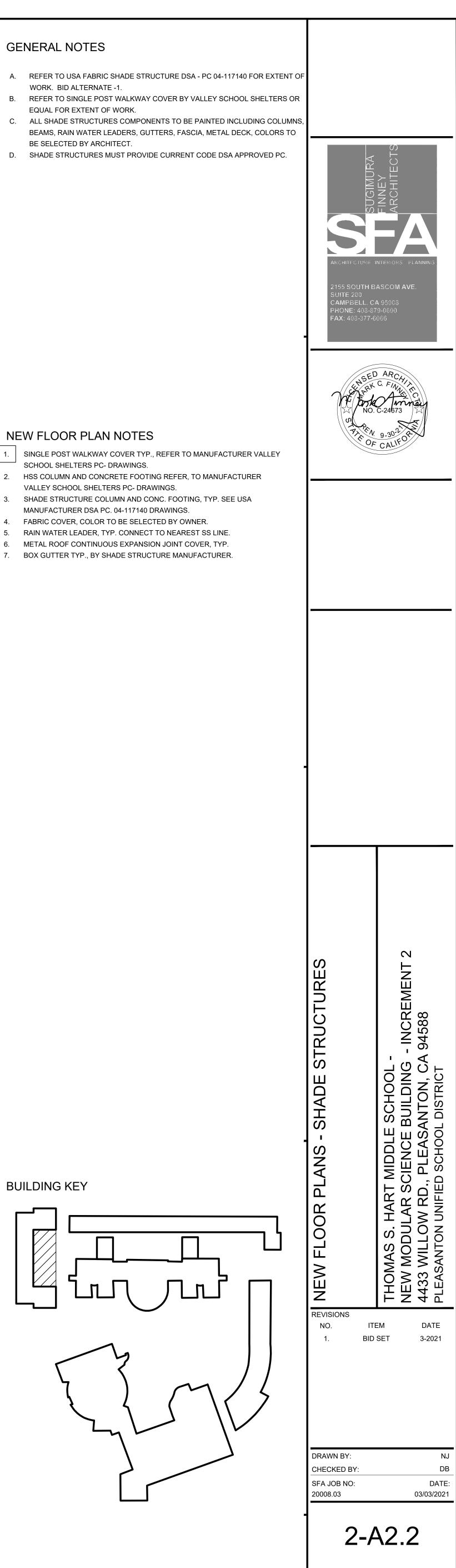


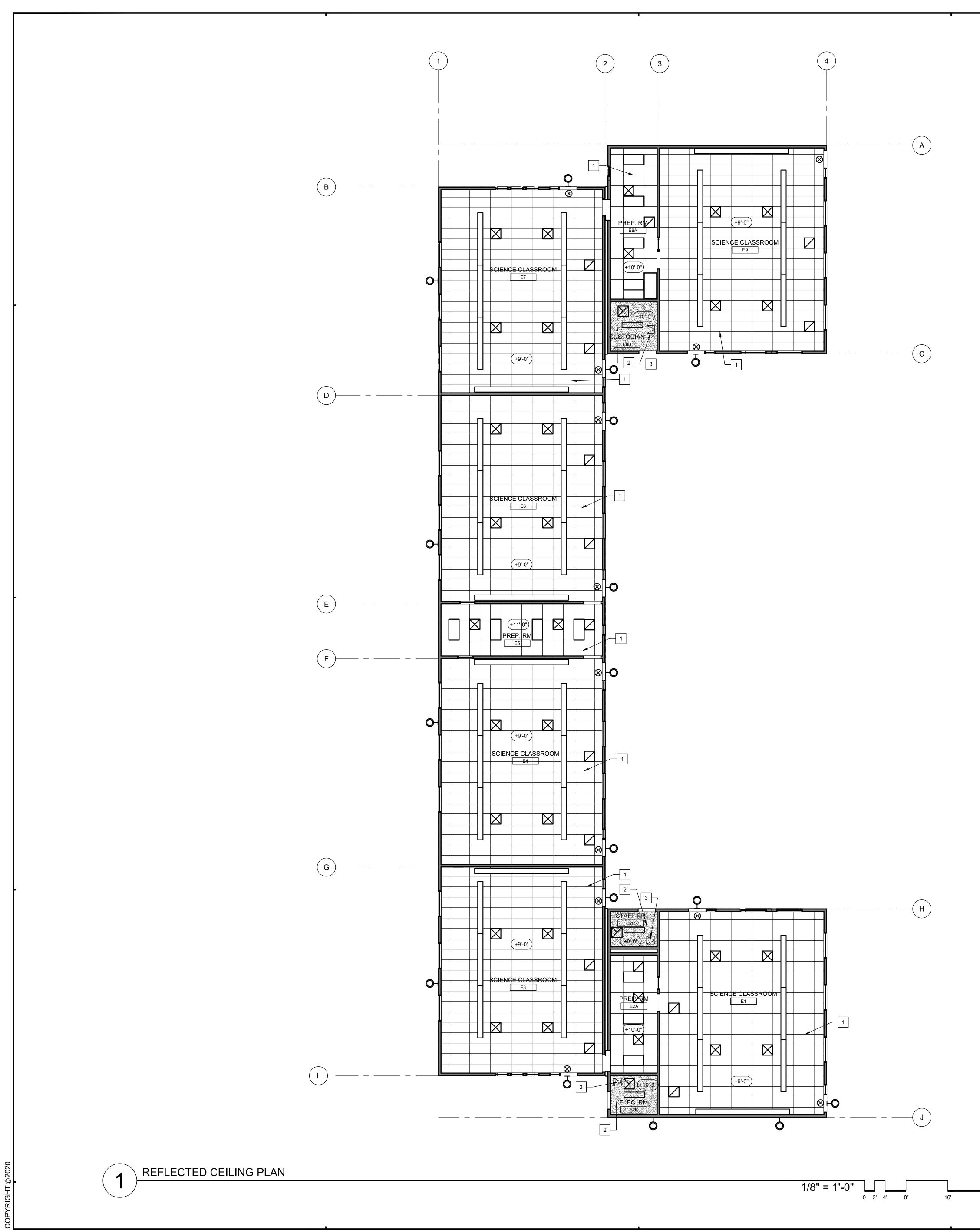
## GENERAL NOTES

#### NEW FLOOR PLAN NOTES

- 4. FABRIC COVER, COLOR TO BE SELECTED BY OWNER.
- 6. METAL ROOF CONTINUOUS EXPANSION JOINT COVER, TYP.

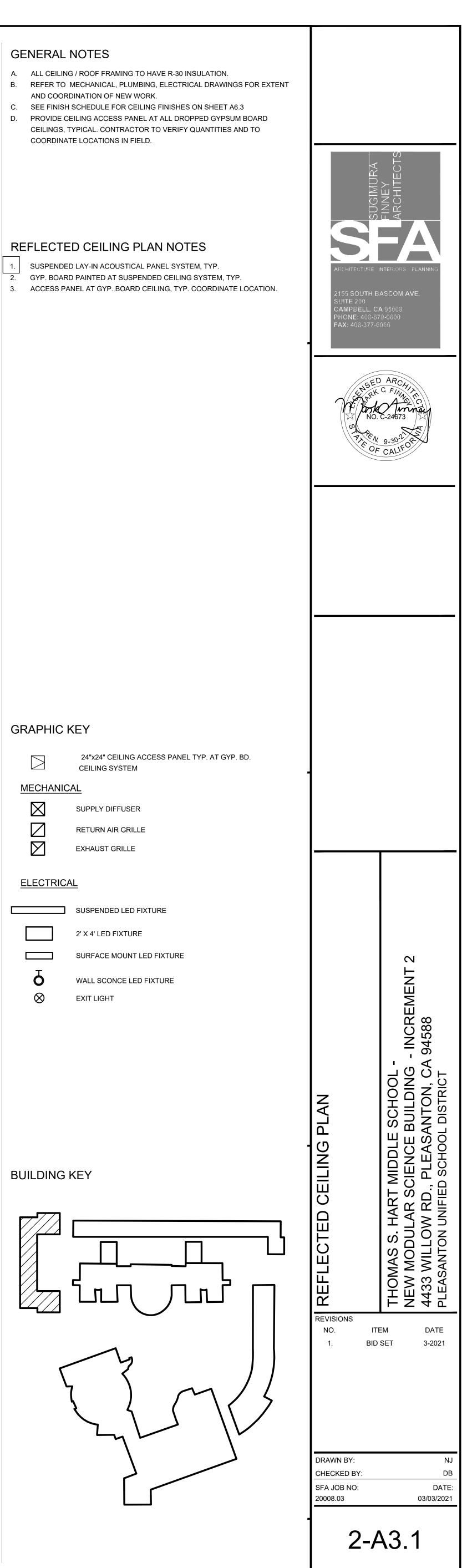
## **BUILDING KEY**

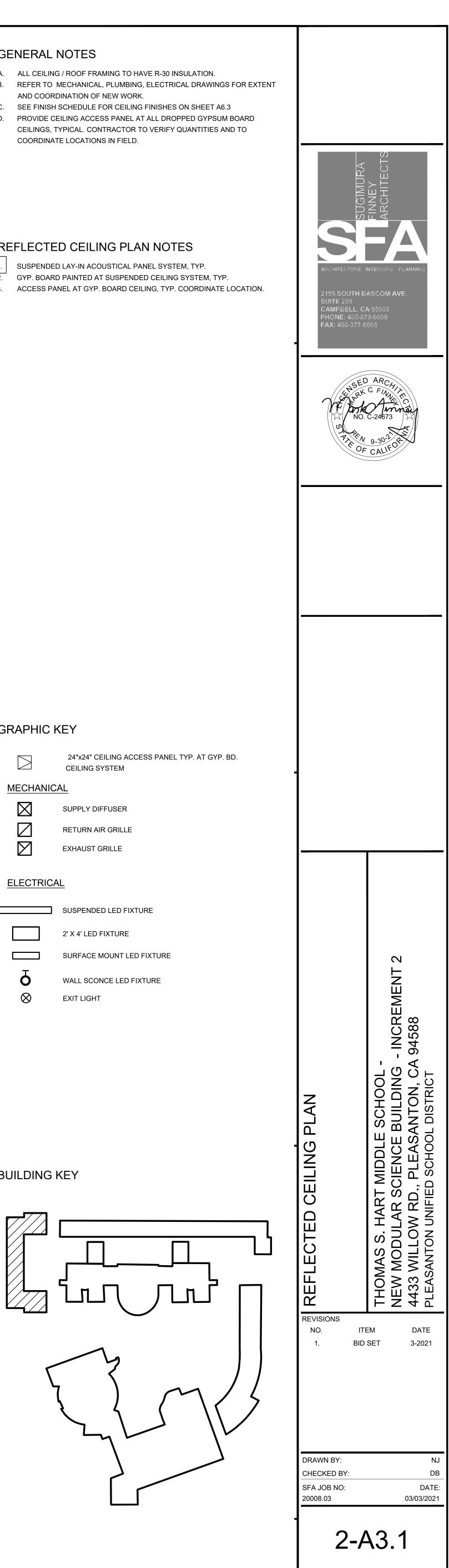


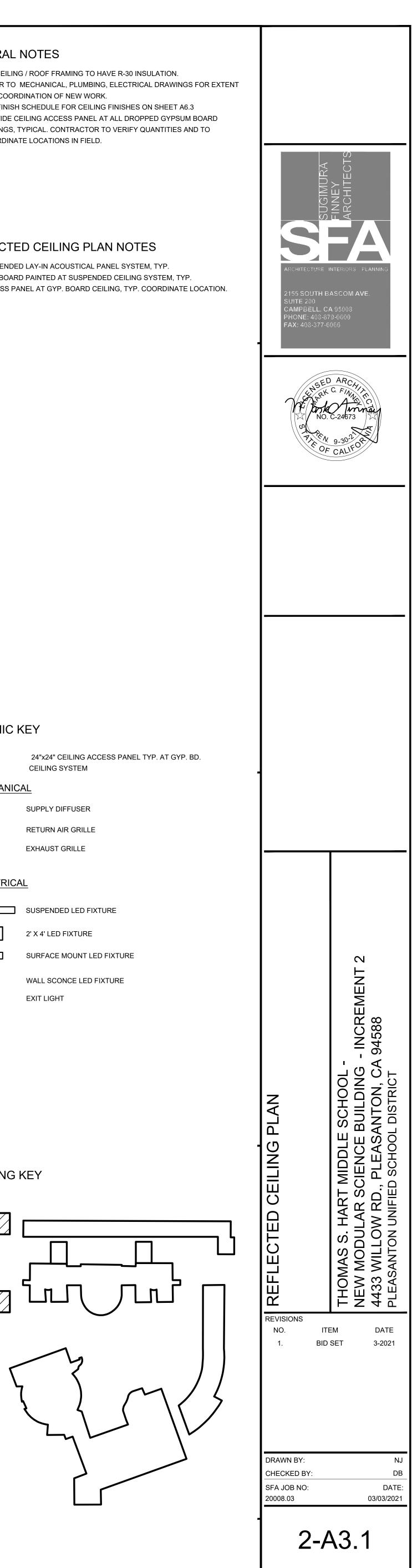


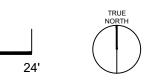
- COORDINATE LOCATIONS IN FIELD.

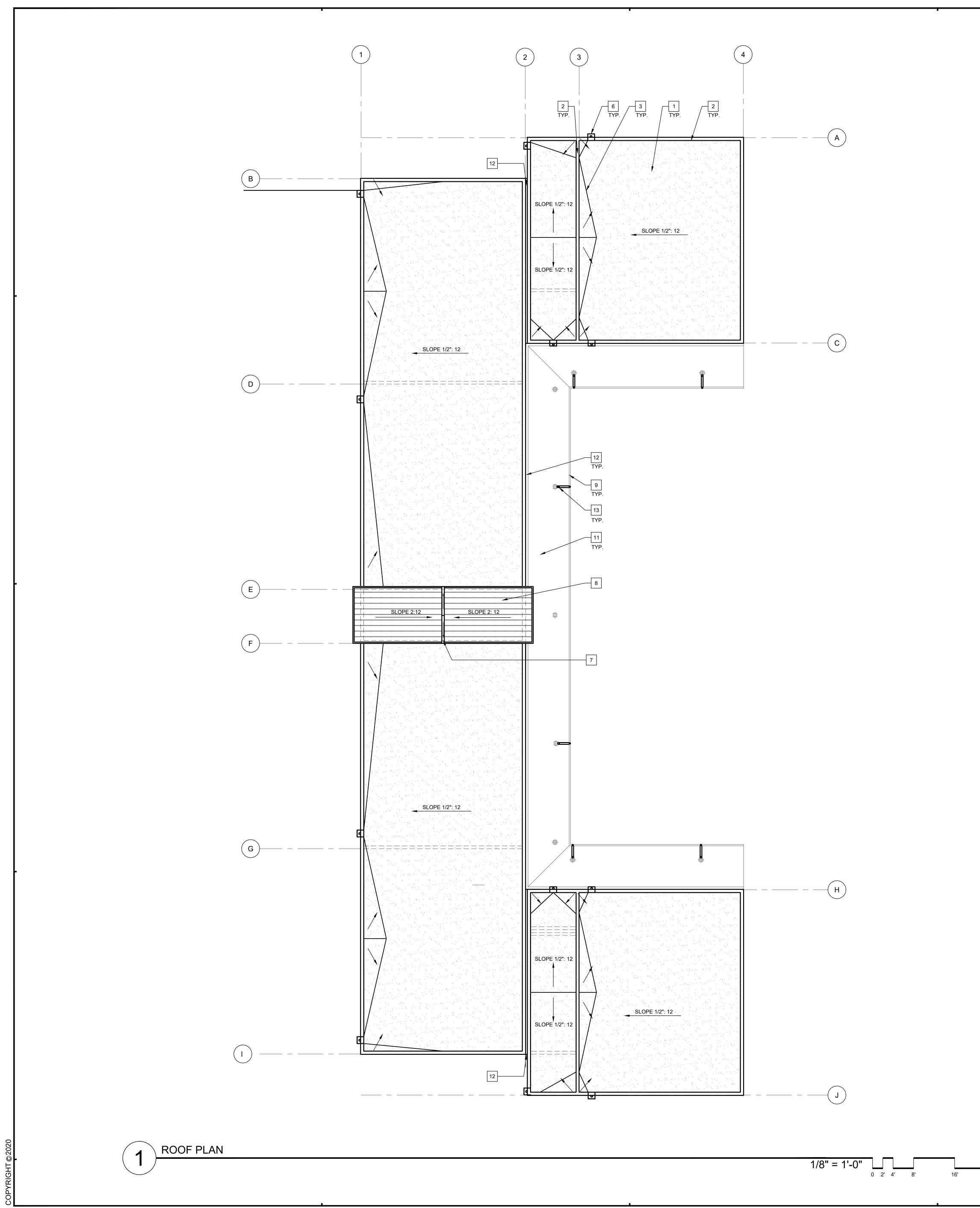










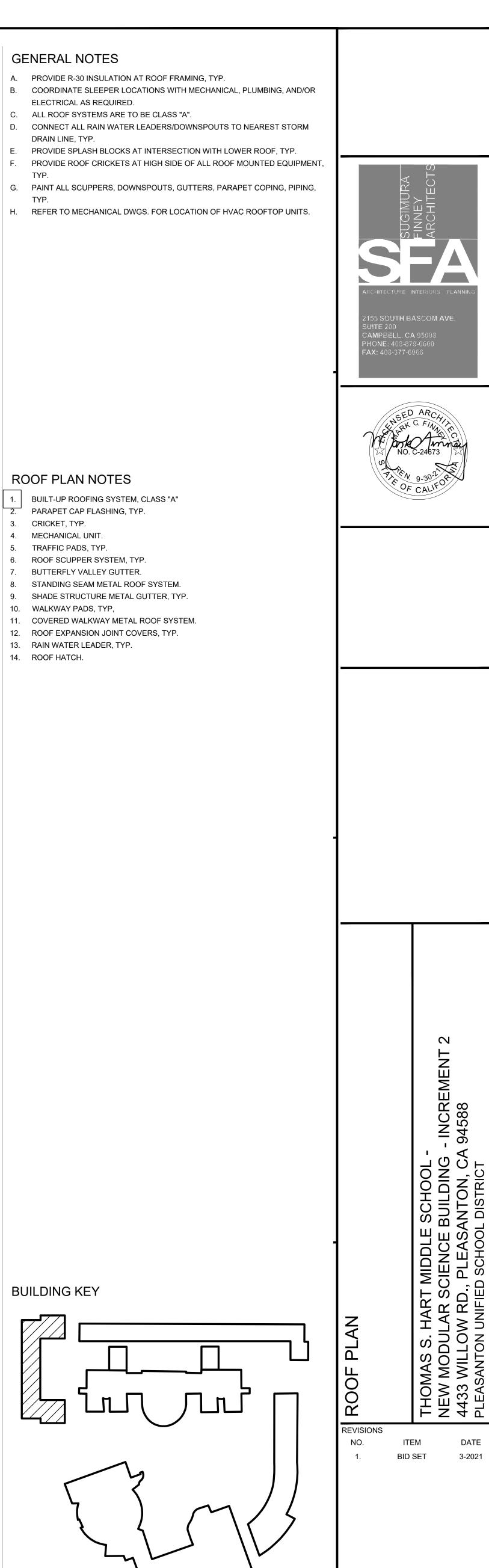


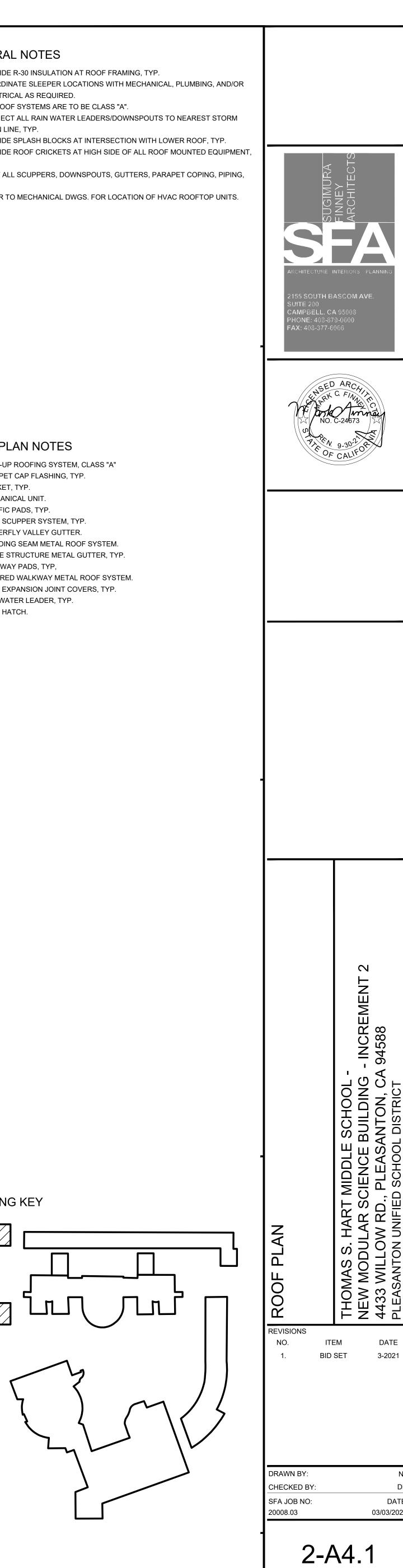
NORTH

- A. PROVIDE R-30 INSULATION AT ROOF FRAMING, TYP.
- ELECTRICAL AS REQUIRED.

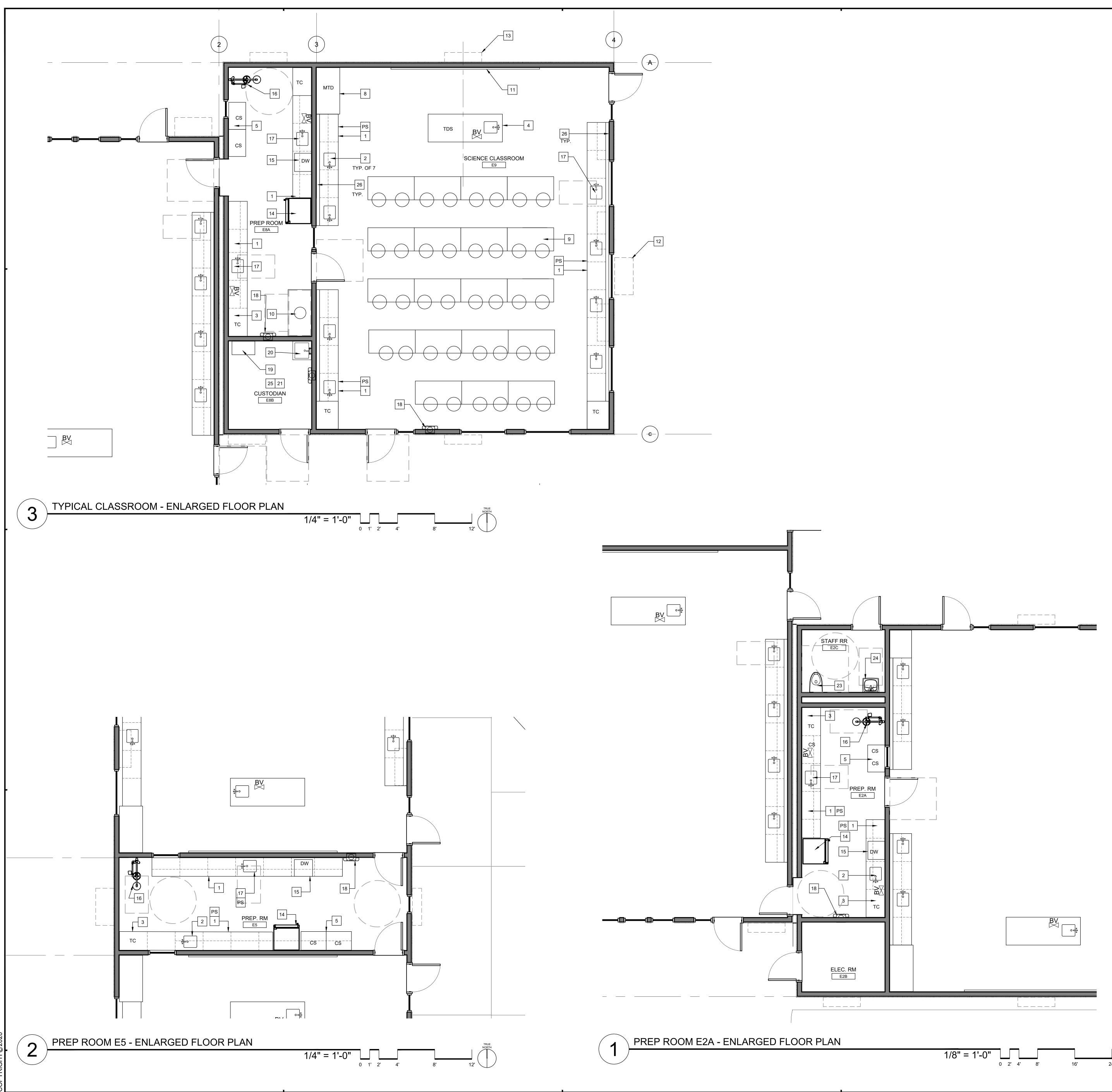
- TYP.

- 1. BUILT-UP ROOFING SYSTEM, CLASS "A"





DATE: 03/03/2021

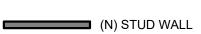


#### GENERAL NOTES

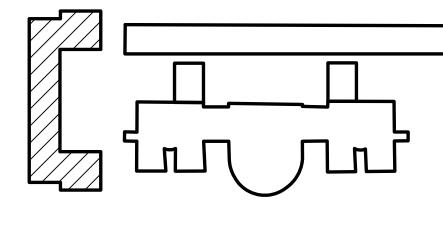
- A. REFER TO MECHANICAL, PLUMBING, ELECTRICAL, FIRE ALARM DRAWINGS FOR
- EXTENT OF OTHER RELATED WORK.
- B. ALL (N) EXTERIOR STUD WALLS SHALL HAVE R-19 INSULATION. C. ALL (N) INTERIOR STUD WALLS SHALL HAVE R-19 ACOUSTICAL INSULATION.
- D. ALL (N) INTERIOR WALLS ARE TO EXTEND TO STRUCTURAL DECK ABOVE, WITH
- FINISHES ON BOTH SIDES. E. PROVIDE 'EXIT' SIGNS AT INTERIOR OF ALL CLASSROOMS AT EGRESS EXIT
- DOOR.
- F. PROVIDE PLUMBING/ELECTRICAL PONY WALL BEHIND CASEWORK, TYP.

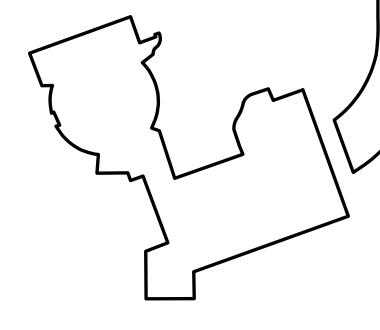
## NEW FLOOR PLAN NOTES 1. SCIENCE CASEWORK TYP., SEE INTERIOR ELEVATIONS. 2. SCIENCE COUNTERTOPS AND INTEGRAL EPOXY RESIN SINK, TYP. 3. TALL CABINET. (TC) 4. SCIENCE INSTRUCTOR'S DESK, H34"xW96"xD30". (TDS). 5. CHEMICAL STORAGE CABINET . 6. WALL MOUNTED MARKERBOARD. 7. RECESSED FIRE EXTINGUISHER CABINET. 8. MOVABLE/ADJUSTABLE TEACHER'S DESK, W60"xD30"xH24"-36" 9. STUDENT MOVABLE/ADJUSTABLE SCIENCE TABLE W60xD30xH24"-36". (19) TABLES AND (38) SEATING STOOLS PER CLASSROOM TYP. 10. (E)RELOCATED FUME HOOD, SEE MECH. DWGS. FOR EXHAUST REQUIREMENTS. 11. WALL MOUNTED WHITE BOARDS. 12. 24"x48" VENT, TYP. 13. 12"x48" VENT, TYP. 14. REFRIGERATOR. 15. UNDERCOUNTER GLASSWARE. 16. BARRIER FREE COMBINATION DRENCH SHOWER/EYEWASH, PROVIDE FLOOR DRAIN, TYP. 17. SCIENCE COUNTERTOPS AND ACCESSIBLE EPOXY RESIN SINK. 18. RECESSED FIRE EXTINGUISHER CABINET. 19. TANKLESS WATER HEATER. 20. SERVICE SINK AND MOP RACK. 21. SEE ELECTRICAL DWGS. FOR ELECTRICAL EQUIPMENT IN THIS ROOM. 22. REFER TO TYPICAL ENLARGED SCIENCE CLASSROOM FLOOR PLAN 4/- FOR TYPICAL NOTES. 23. ACCESSIBLE TOILET FIXTURE. 24. ACCESSIBLE LAVATORY. 25. SEE PLUMBING DRAWINGS FOR FIRE RISER IN THIS ROOM. 26. PLUMBING WALL, TYP. **GRAPHIC KEY**

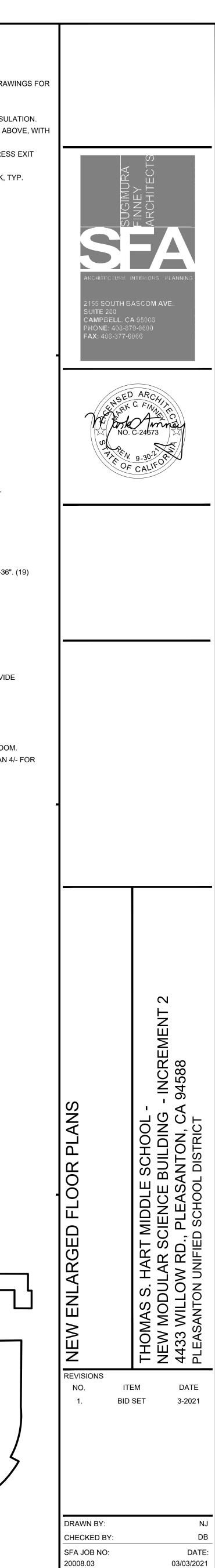
TC	TALL CABINET
TDS	SCIENCE INSTRUCTOR'S DESK
MTD	MOVABLE TEACHER'S DESK
CS	CHEMICAL STORAGE CABINET
PS	SCIENCE CABINETS
MB	MARKER BOARD
BV	GAS VALVE



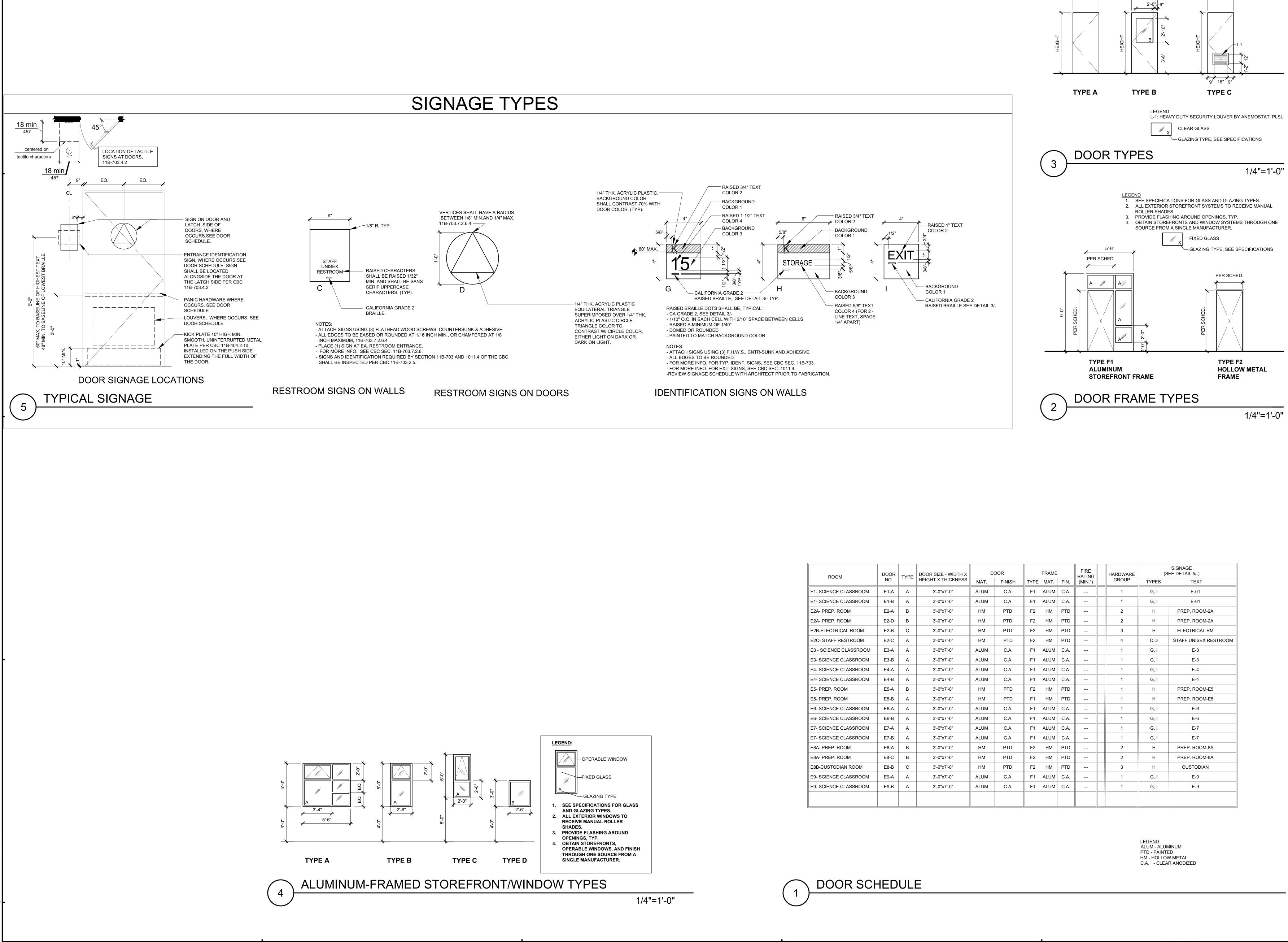
## **BUILDING KEY**



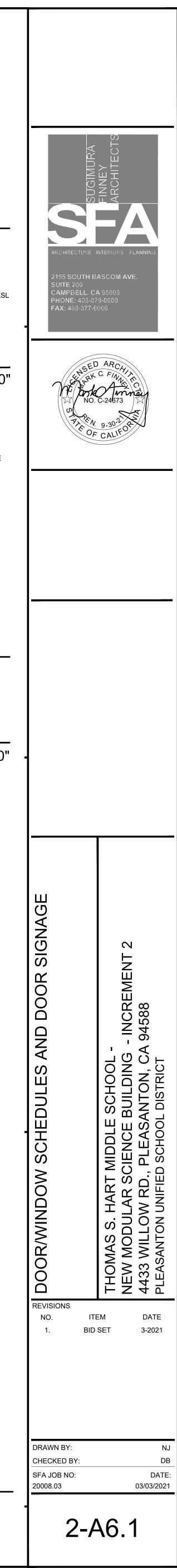




2-A5.1



				r								
ROOM	DOOR	TYPE	DOOR SIZE - WIDTH X	D	OOR		FRAME		FIRE RATING	HARDWARE	(S	SIGNAGE EE DETAIL 5/-)
	NO.		HEIGHT X THICKNESS	MAT.	FINISH	TYPE	MAT.	FIN.	(MIN.")	GROUP		TEXT
SCIENCE CLASSROOM	E1-A	A	3'-0"x7'-0"	ALUM	C.A.	F1	ALUM	C.A.		1	G, I	E-01
SCIENCE CLASSROOM	E1-B	A	3'-0"x7'-0"	ALUM	C.A.	F1	ALUM	C.A.		1	G, I	E-01
A- PREP. ROOM	E2-A	В	3'-0"x7'-0"	НМ	PTD	F2	НМ	PTD		2	н	PREP. ROOM-2A
A- PREP. ROOM	E2-D	В	3'-0"x7'-0"	НМ	PTD	F2	НМ	PTD		2	Н	PREP. ROOM-2A
B-ELECTRICAL ROOM	E2-B	С	3'-0"x7'-0"	НМ	PTD	F2	НМ	PTD		3	н	ELECTRICAL RM
C- STAFF RESTROOM	E2-C	Α	3'-0"x7'-0"	НМ	PTD	F2	НМ	PTD		4	C,D	STAFF UNISEX RESTROOM
- SCIENCE CLASSROOM	E3-A	А	3'-0"x7'-0"	ALUM	C.A.	F1	ALUM	C.A.		1	G, I	E-3
SCIENCE CLASSROOM	E3-B	А	3'-0"x7'-0"	ALUM	C.A.	F1	ALUM	C.A.		1	G, I	E-3
SCIENCE CLASSROOM	E4-A	А	3'-0"x7'-0"	ALUM	C.A.	F1	ALUM	C.A.		1	G, I	E-4
SCIENCE CLASSROOM	E4-B	А	3'-0"x7'-0"	ALUM	C.A.	F1	ALUM	C.A.		1	G, I	E-4
PREP. ROOM	E5-A	В	3'-0"x7'-0"	НМ	PTD	F2	НМ	PTD		1	Н	PREP. ROOM-E5
PREP. ROOM	E5-B	А	3'-0"x7'-0"	НМ	PTD	F1	НМ	PTD		1	Н	PREP. ROOM-E5
SCIENCE CLASSROOM	E6-A	Α	3'-0"x7'-0"	ALUM	C.A.	F1	ALUM	C.A.		1	G, I	E-6
SCIENCE CLASSROOM	E6-B	Α	3'-0"x7'-0"	ALUM	C.A.	F1	ALUM	C.A.		1	G, I	E-6
SCIENCE CLASSROOM	E7-A	А	3'-0"x7'-0"	ALUM	C.A.	F1	ALUM	C.A.		1	G, I	E-7
SCIENCE CLASSROOM	E7-B	А	3'-0"x7'-0"	ALUM	C.A.	F1	ALUM	C.A.		1	G, I	E-7
A- PREP. ROOM	E8-A	В	3'-0"x7'-0"	НМ	PTD	F2	НМ	PTD		2	Н	PREP. ROOM-8A
A- PREP. ROOM	E8-C	В	3'-0"x7'-0"	НМ	PTD	F2	НМ	PTD		2	Н	PREP. ROOM-8A
B-CUSTODIAN ROOM	E8-B	С	3'-0"x7'-0"	НМ	PTD	F2	НМ	PTD		3	Н	CUSTODIAN
SCIENCE CLASSROOM	E9-A	А	3'-0"x7'-0"	ALUM	C.A.	F1	ALUM	C.A.		1	G, I	E-9
SCIENCE CLASSROOM	E9-B	А	3'-0"x7'-0"	ALUM	C.A.	F1	ALUM	C.A.		1	G, I	E-9



WIDTH

WIDTH

1/4"=1'-0"

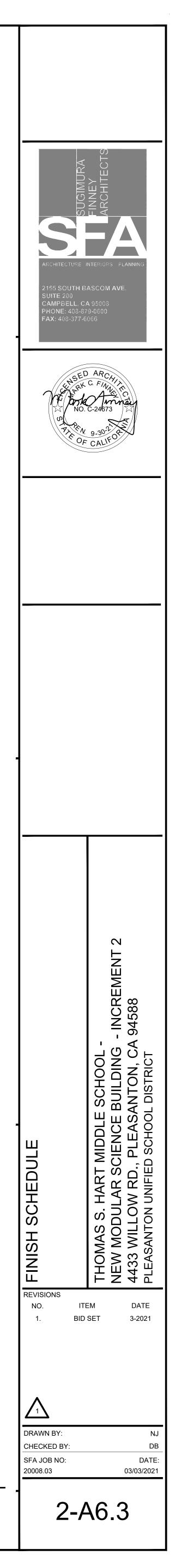
1/4"=1'-0"

# OPYRIGHT © 202

ROOM NO.
1- SCIENCE CLASSROOM
2A- PREP. ROOM
2B-ELECTRICAL ROOM
2C- STAFF RESTROOM
3 - SCIENCE CLASSROOM
4- SCIENCE CLASSROOM
5- PREP. ROOM
6- SCIENCE CLASSROOM
7- SCIENCE CLASSROOM
3A- PREP. ROOM
BB-CUSTODIAN ROOM
9- SCIENCE CLASSROOM

FLOO	FLOOR WALLS		ALLS CEILING		CEILING	NOTES	LEGEND	
FIN.	BASE	MAT.		FIN.		FIN.		
1A	2A	3A	3B	3C		4A		FLOORING
								1A- VINYL COMPOSITION TILE 1B- CERAMIC TILE O/ BACKER CEMENT BOARD
1A	2A	3A	3C	3D	3E	4A		
1A	2A	3A	3D			4B		BASE
								2A- 4" RUBBER TOPSET COVE BASE
1B	2B	3A	3D	3E		4B		2B- 4" CERAMIC TILE COVE BASE
								WALLS
1A	2A	3A	3B	3C		4A		3A- GYPSUM WALL BOARD 3B- VINYL TACKBOARD WALL PANELING
								3C- VINYL WALL COVERING 3D- PAINT
1A	2A	3A	3B	3C		4A		3E- CERAMIC TILE O/BACKER CEMENT BOARD 3F- FIBERGLASS REINFORCED WALL PANEL
 								3F-FIBERGLASS REINFORCED WALL PANEL
1A	2A	3A	3C	3E		4A		
 4.0		2.4	20	20		40		CEILINGS
 1A	2A	3A	3B	3C		4A		4A- SUSPENDED ACOUSTICAL PANELS 4B- GYPSUM BOARD PAINTED
1A	2A	3A	3B	3C		4A		
	28	54	50	30		47		
1A	2A	3A	3C	3D	3E	4A		
	273			00	02			
 1A	2A	3A	3D	3F		4B		
 1A	2A	3A		3B	3C	4A		

## FINISH SCHEDULE







#### GENERAL NOTES

- A. SEE FLOOR PLANS FOR WINDOW AND DOOR TYPES. B. PAINT ALL STEEL DOORS, DOOR FRAMES, MTL. FLASHING, PARAPET
- COPING, TYPICAL. F. PAINT ALL EXTERIOR CEMENT PLASTER WALL FINISH, TYPICAL. G. PAINT ALL EXTERIOR EXPOSED SCUPPERS AND RAIN WATER LEADERS.
- H. SEE ELECTRICAL DRAWINGS FOR EXTERIOR WALL MOUNTED LIGHT FIXTURE TYPE, COORDINATE LOCATION WITH ARCHITECT.
- PROVIDE DOOR SIGNAGE TO ALL EXTERIOR DOORS, TYP. PROVIDE WALL AND ROOF EXPANSION JOINT COVERS AS REQUIRED PER MODULAR BUILDING MANUFACTURER.

#### EXTERIOR ELEVATION NOTES

- 1. CEMENT PLASTER WALL FINISH PAINTED, FIELD COLOR #1, TYP. CEMENT PLASTER WALL FINISH PAINTED, ACCENT COLOR #2, TYP. 3
- FIBER CEMENT PANELS, ACCENT COLOR #3. (ADD ALTERNATE #1). 4. FIBER CEMENT PANELS, ACCENT COLOR #4. (ADD ALTERNATE #1).
- 5. SCUPPER/RAIN WATER LEADER, PAINTED TO MATCH COLOR OF WALL, TYP, CONNECT TO NEAREST STORM DRAIN LINE.
- DOOR TYP., COLOR #5
- ALUMINUM FRAME CLEAR ANODIZED WINDOW, TYP. 8. ALUMINUM FIXED CUSTOM SUNSHADE SYSTEM, 6" DEEP RECTANGULAR FRAME WITH 30" PROJECTION, ABOVE WINDOWS TYP.
- 9. LIGHT FIXTURE, TYP.

## 10. LINE OF ROOF COVERED WALKWAY, PER SHADE STRUCTURE PC DRAWINGS.

## GRAPHIC KEY

CEMENT PLASTER COLOR #1 FIELD COLOR



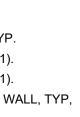
CEMENT PLASTER COLOR #2

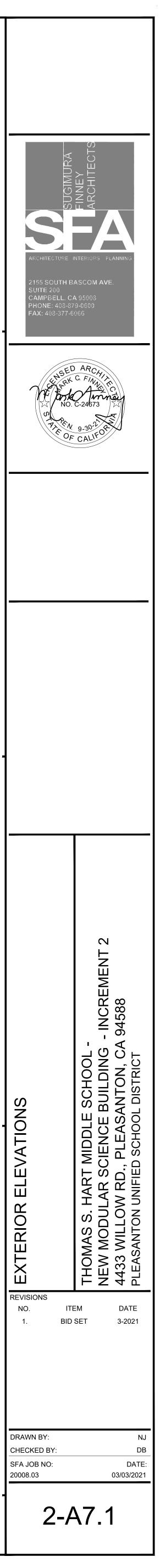
FIBER CEMENT PANEL COLOR #1

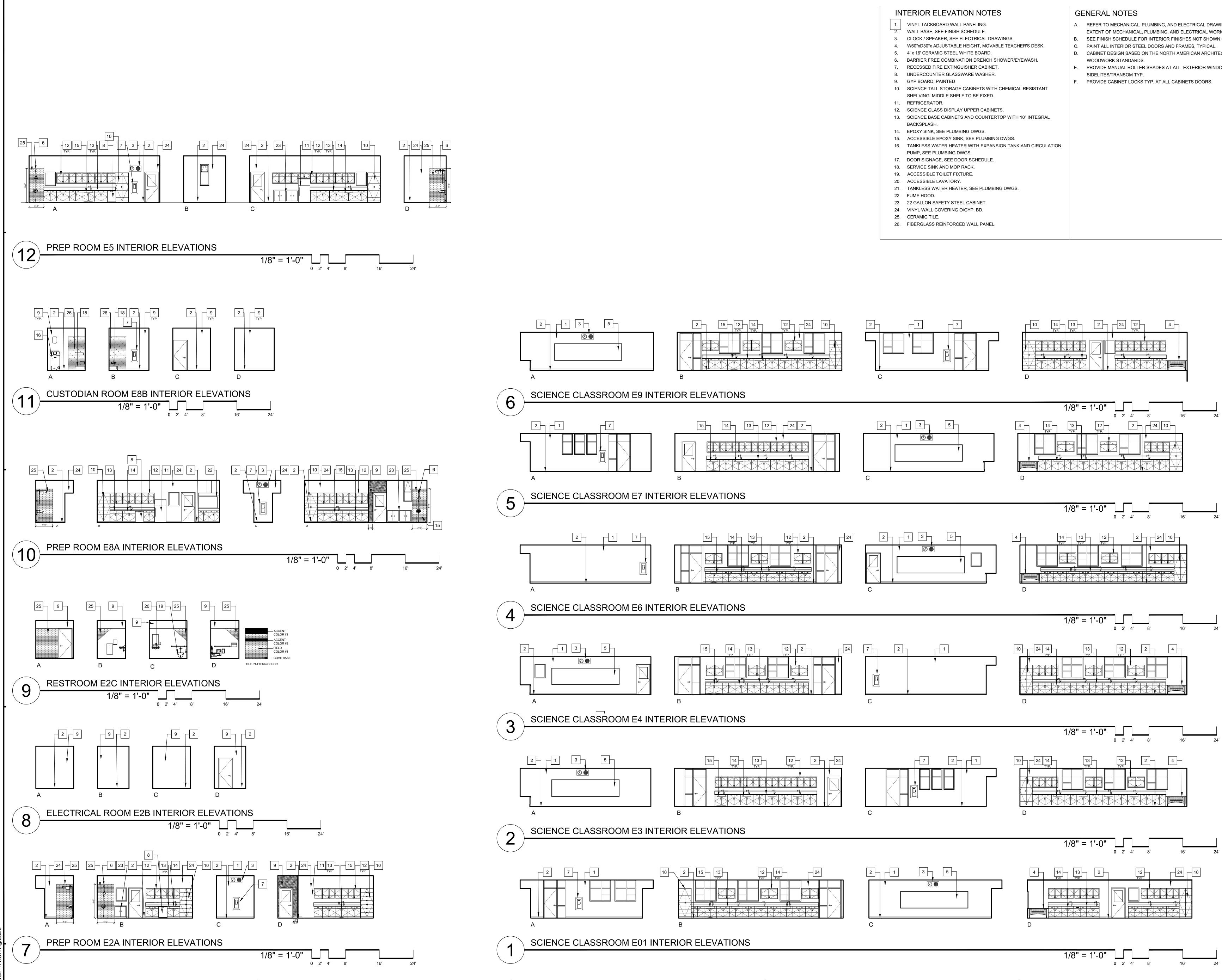
AMERICAN FIBER CEMENT CORP.

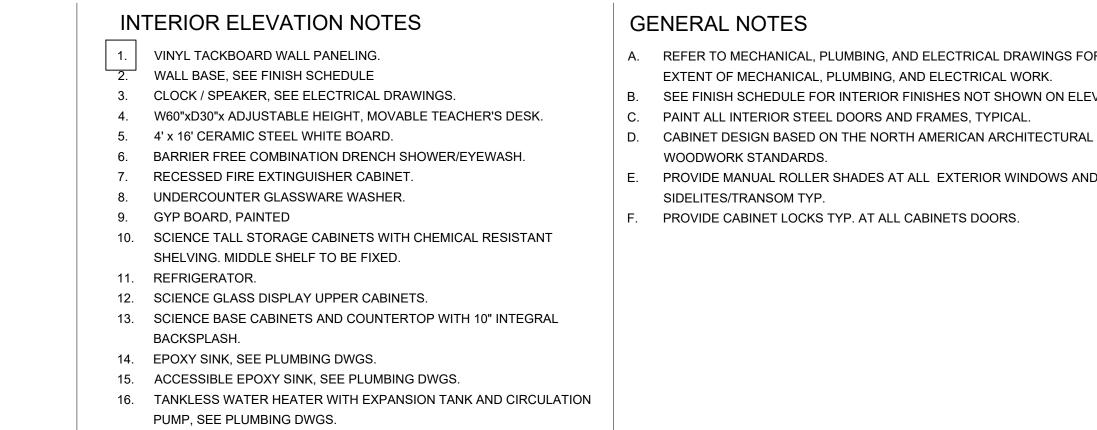
CEMENT PLASTER COLOR #3 FIBER CEMENT PANEL COLOR #2 (ALTERNATE #1) AMERICAN FIBER CEMENT CORP. PATINA INLINE





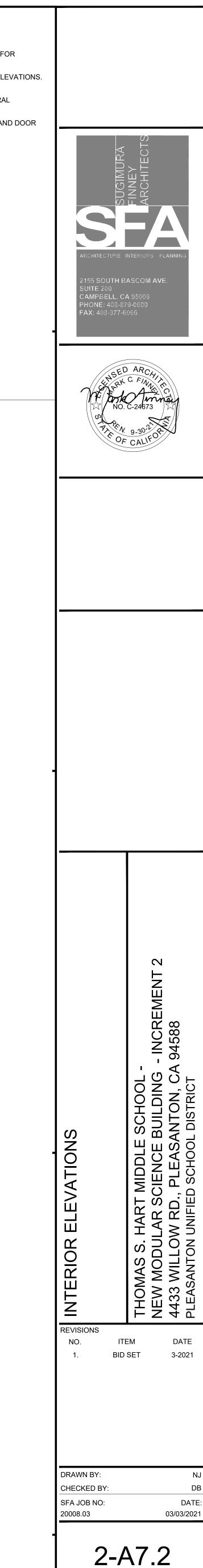


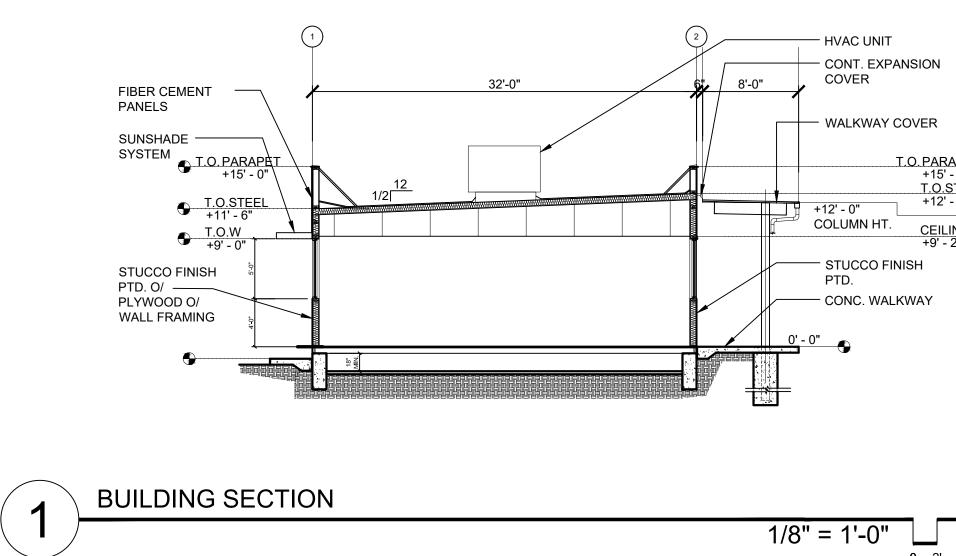


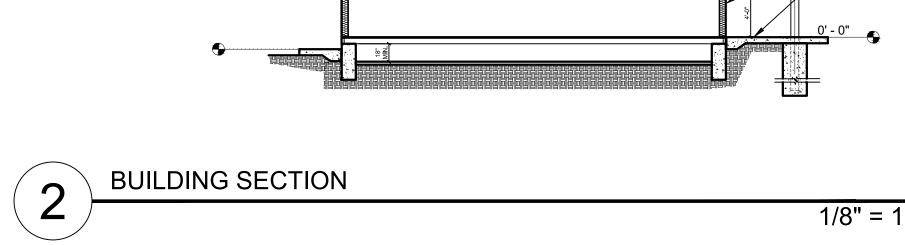


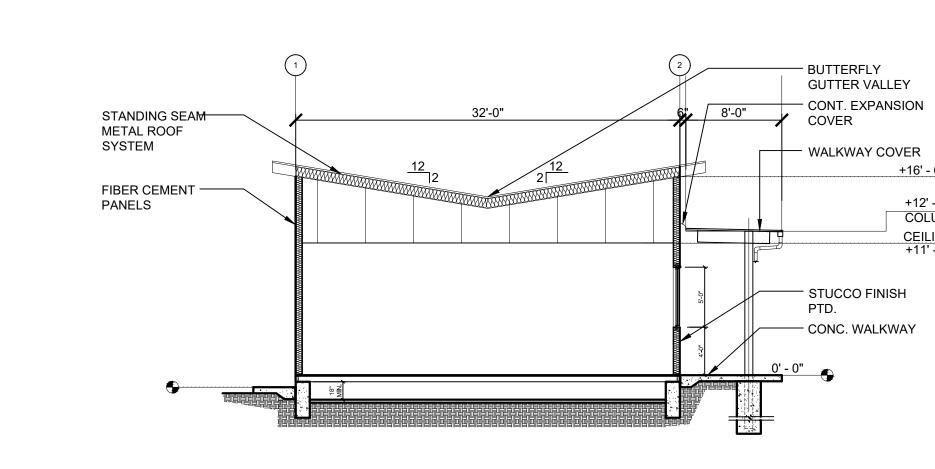
A. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR

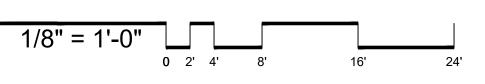
- B. SEE FINISH SCHEDULE FOR INTERIOR FINISHES NOT SHOWN ON ELEVATIONS.
- E. PROVIDE MANUAL ROLLER SHADES AT ALL EXTERIOR WINDOWS AND DOOR







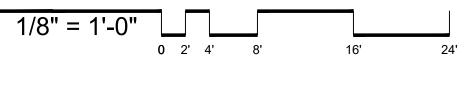






— STUCCO FINISH PTD. 

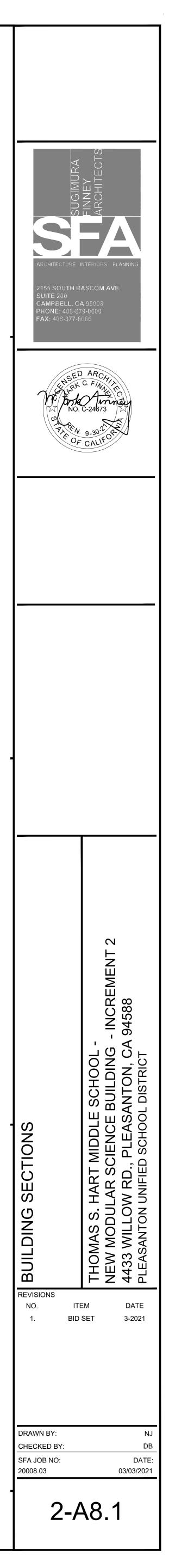
WALKWAY COVER T.O. PARAPET +15' - 0" T.O.STEEL +12' - 9" CEILING +9' - 2"



+16' - 6" +12' - 0" COLUMN CEILING +11' - 0" - STUCCO FINISH

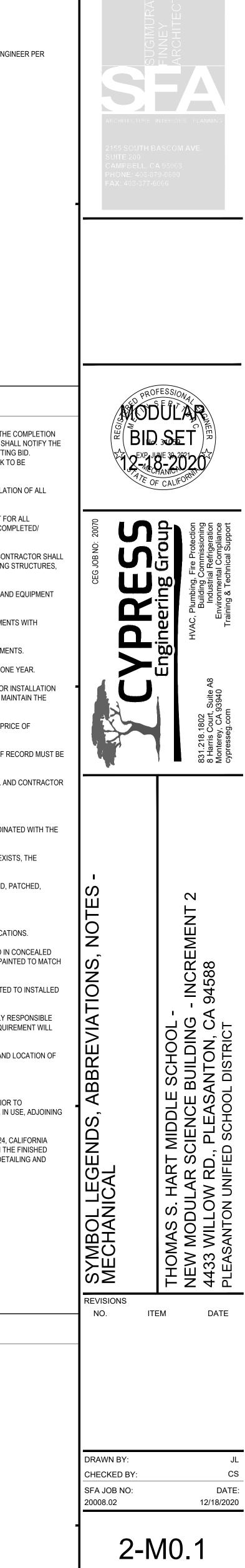
— WALKWAY COVER

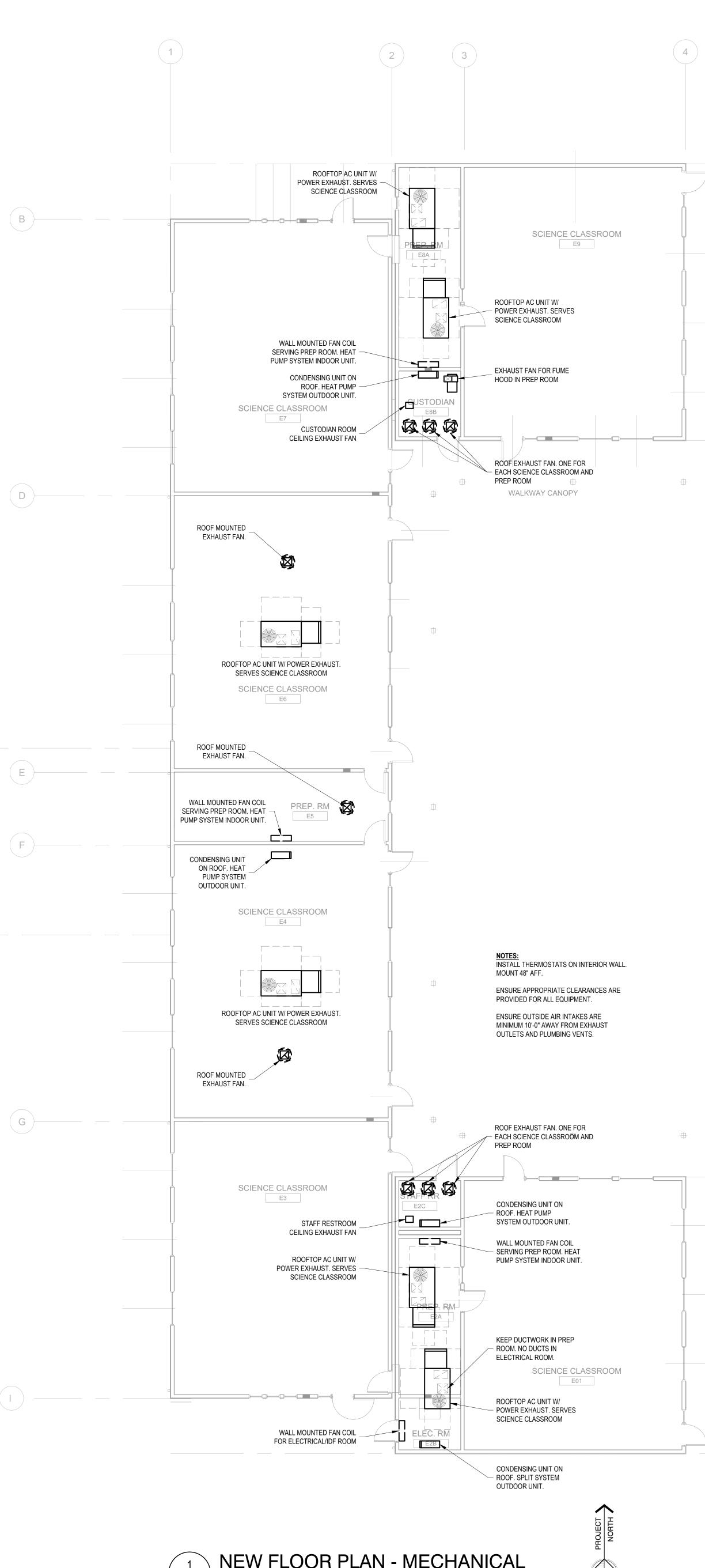
PTD.



MECHANICAL DESIGN NARRATIVE		ABBREVIATIONS	LIST OF GOVERNING CODES
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PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE	SYMBOL ABBRV. IDENTIFI	ICATION SYMBOL ABBRV. IDENTIFICATION	DRAWING INDEX
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 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.6, MID 2019 GEC, SECTIONS 1617A 1.24, 1617A 1.26, AND 16	E       CAP         S       CONT       CONTINUATION         UNION       UNION         I       CKV       CHECK VALVE         I       CAP       CONCENTRIC & ECCE         I       AD, AP       ACCESS DOOR, ACCI         I       AD, AP       ACCESS DOOR, ACCI         I       T       THERMOSTAT MOUN         I       CO2       CO2       CARBON DIOXIDE (CO	A-1 TAG NUMBER TAG NUMBER SENTRIC REDUCERS SECTION 1 / SHEET M2.1 NTED @ 48" AFF. MAX.	2-M0.1 SYMBOL LEGENDS, ABBREVIATIONS, NOTES - MECHANICAL 2-M2.1 NEW FLOOR PLAN - MECHANICAL

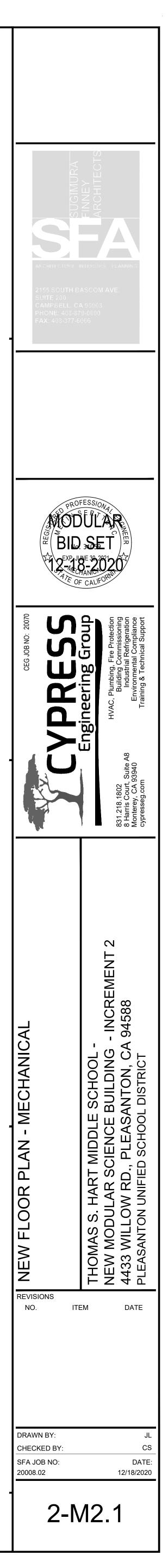
ATIONS		LIST OF GOVERNING CODES
JLB PRV PRESS R TEMPERATURE PSI (G) (A) POUND (ABSOL P/T PRESS ELEVATION QTY QUANT RA RETUR RAD RETUR RAD RETUR RAD RETUR RAD RETUR RAD RETUR RM ROOM RPM REVOL RS REFRIC RV RELIEF SA SUPPL' SC SENSIE SEER SEASO SD SMOKE SM SHEET SOV SHUT-C N SP STATIO SPEC SPECIF SQ SQUAR SQIN, IN <sup>2</sup> SQUAR SQIN, IN <sup>2</sup> SQUAR SQUAR SQIN, IN <sup>2</sup> SQUAR	OF CONNECTION SURE REDUCING VALVE DS PER SQUARE INCH (GAUGE) LUTE) SURE/TEMPERATURE TITY RN AIR RN AIR DAMPER IVE HUMIDITY GERANT LIQUID .UTIONS PER MINUTE GERANT SUCTION * VALVE Y AIR BLE COOLING DNAL ENERGY EFFICIENCY RATIO E DAMPER * METAL OFF VALVE 2 PRESSURE FICATION RE RE FEET RE INCHES TURAL MOSTAT, "X" INDICATES DEVICE ROLLED. 48" AFF (TO TOP OF STAT) COOLING DYNAMIC HEAD RATURE JGH STATIC PRESSURE NG VANES AL RWRITER'S LABORATORIES IS OTHERWISE NOTED BLE FREQUENCY DRIVE THROUGH ROOF S ULB R COLUMN R HEATER	<ul> <li>2019 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24, C.C.R.</li> <li>2019 CALFORNIA BULDING GOOF (COC), PART 1, TITLE 24, C.C.R.</li> <li>2019 CALFORNIA DECHARCUL COOF (COC), PART 1, TITLE 24, C.C.R.</li> <li>2019 CALFORNIA DECHARCUL COOF (COC), PART 1, TITLE 24, C.C.R.</li> <li>2019 CALFORNIA PERPER (COE) (COC), PART 1, TITLE 24, C.C.R.</li> <li>2019 CALFORNIA PERPER (COE) (COC), PART 9, TITLE 24, C.C.R.</li> <li>2019 CALFORNIA PERPER (COE) STANDARDS CODE (PART 1, TITLE 24, C.C.R.</li> <li>2019 CALFORNIA PERPER (COE) STANDARDS CODE (PART 1, TITLE 24, C.C.R.</li> <li>2019 CALFORNIA REPER (COE) STANDARDS CODE (PART 1, TITLE 24, C.C.R.</li> <li>2019 CALFORNIA REPER (COE) STANDARDS CODE (PART 1, TITLE 24, C.C.R.</li> <li>2019 CALFORNIA REPER (COE STANDARDS CODE) PART 1, TITLE 24, C.C.R.</li> <li>2019 CALFORNIA REPER (COE STANDARDS CODE) PART 1, TITLE 24, C.C.R.</li> <li>2019 CALFORNIA REPER (COE STANDARDS CODE) PART 1, TITLE 24, C.C.R.</li> <li>2019 CALFORNIA REPER (COERA) STANDARDS CODE (PART 1, TITLE 24, C.C.R.</li> <li>2019 CALFORNIA REPER (COERA) STANDARDS CODE (PART 1, TITLE 24, C.C.R.</li> <li>2019 CALFORNIA REPER (COERA) STANDARDS CODE (PART 1, TITLE 24, C.C.R.</li> <li>2019 CALFORNIA REPER (COERA) STANDARDS (CORA AND CANDARDS (CORA CORA CORA CORA CORA CORA AND STANDARDS (CORA CORA CORA CORA CORA CORA CORA CORA</li></ul>
EGEND		GENERAL NOTES
	DESCRIPTION  SECTION AT SUPPLY AIR OR MAKE-UP AIR DUCT UP SECTION AT RETURN AIR OR COMBUSTION AIR DUCT UP SECTION AT EXHAUST AIR OR RELIEF AIR DUCT DOWN RETURN AIR DUCT DOWN RETURN AIR DUCT DOWN CHAUST AIR DUCT DOWN CUND DUCT DOWN - SUPPLY, RETURN OR EXHAUST CUND DUCT DOWN - SUPPLY, RETURN OR EXHAUST CULLING DIFFUSER - ONE, TWO, THREE AND FOUR WAY THROW  CELLING - RETURN AND EXHAUST REGISTERS  SIDEWALL - SUPPLY DIFFUSER, REFURN AND EXHAUST SIDEWALL - SUPPLY DIFFUSER, REGISTERS  MANUAL BALANCE DAMPER WITH DUCT ACCESS DOOR  RUTORIZED BALANCE DAMPER WITH DUCT ACCESS DOOR  REGISTER NECK SIZE AND TAG DISION SARE INSIDE  REGISTER NECK SIZE AND TAG DISION CFM	<ol> <li>CONTRACTOR SHALL WIT THE GITE PRIOR TO SUMMESSION OF PANAL BID TO VERY ALL EDSTITUST OF INFERDANCE ON THE CONTRACTOR SHALL ADDRESSION OF AND SUMMERS TO SUMMERS PANAL TRADEMANE PRIOR TO BODATIONAL MADE AND PRIOR TO SUMMERS CONTRACTOR SHALL ADDRESSION OF ALL SITE CONTRACTORS MADE REQUIRED WORK OF PHENDING IN CONTRACTORS MADE ADDRESSION OF ALL SITE CONTRACTORS MADE REQUIRED WORK OF PHENDING IN CONTRACTORS SHALL BOD READ PHENDING IN CONTRACTORS WALL BOD READ PHENDING IN CLUBE AND PHENDING IN CLUBE AND PHENDING IN CLUBE AND PHENDING IN CLUBE AND PHENDING IN CLUBE ADDRESSION OF ADDRESSION OF PHENDING IN CLUBE ADDRESSION OF PHENDING IN CLUBERA ADDRESSION OF PHENDING INCOMPRENESSION OF PHENDING INCOMPRENESSION OF PHENDING INCOMPRENESSION OF PHENDING INCOMPRENESSION OF PHENDING ADDRESSION OF PHENDING</li></ol>





1 NEW FLOOR PLAN - MECHANICAL 2-M2.1 SCALE: 1/8" = 1'-0"

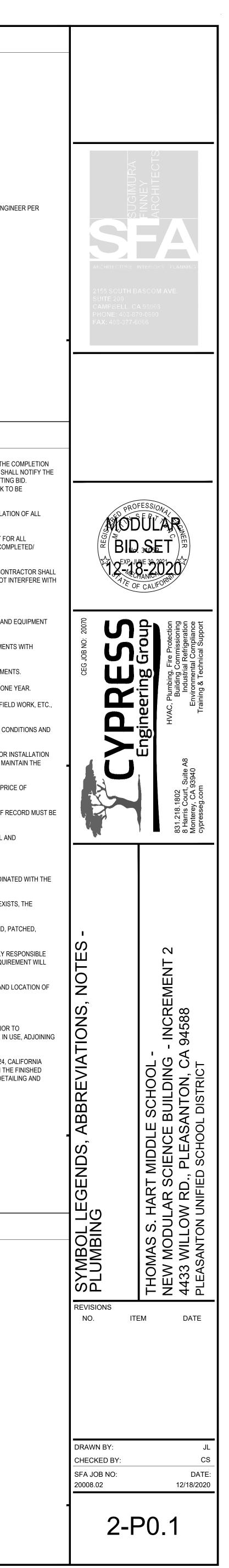
NORTH



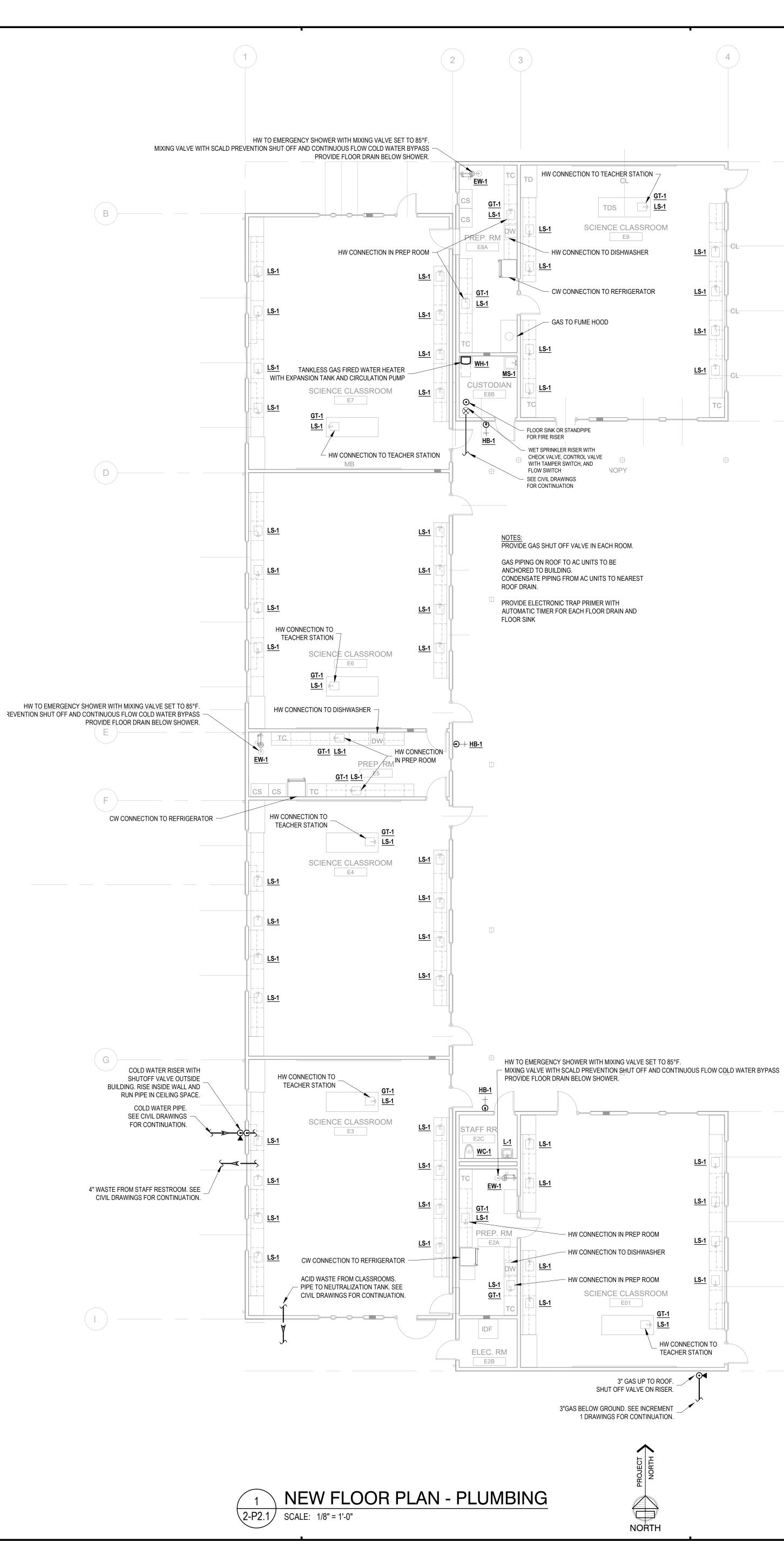
r	
	<ol> <li>MODULAR BUILDING CONDENSATE DRAI INTENT AS INDICATI</li> <li>MODULAR BUILDING SITE CONTRACTOR</li> <li>ALL ROOF PENETR/</li> <li>MINIMUM SLOPE FO AND INSTALLED PEN SIMINIMUM DOMESTIC INSTALLED PER CPC</li> <li>ALL PLUMBING FIXT REQUIREMENT FOR</li> <li>MAXIMUM ALLOWAE</li> <li>WATER HEATER SH DESIGNED TO REAS</li> </ol>
	1. THE INTENT OF THE CONTRACT DOCUM APPROVED BY DSA 2. LATERAL SUPPORT SYSTEMS." 3. THE SEISMIC SUPPORT FOR CONFORMANC 4. ALL MECHANICAL A CRITERIA FROM CH 5. WHERE ANCHORAG ENGINEER AND THE 6. NO DEMOLITION SH

PLUMBING DESIGN NARRATIVE	ABBREVIATIO
NG MANUFACTURER IS RESPONSIBLE FOR SIZING AND LAYOUT OF ALL PLUMBING UTILITIES, DOMESTIC COLD WATER, HOT WATER, AIN, SEWER, VENT AND GAS AND ADAPT THE PLUMBING SYSTEM TO BEST WORK WITH THEIR BUILDING TYPE WHILE MEETING THE DESIGN TED ON THE DRAWINGS AND IN THE SPECIFICATIONS. NG CONTRACTOR SHALL PROVIDE ALL UTILITIES UNDER SLAB AND OUT TO 5-0° FROM BUILDING TO POINT OF CONNECTION PROVIDED BY JR. RATIONS SHALL BE COMPATIBLE WITH ROOF SYSTEM WITH AS FEW PENETRATIONS AS POSSIBLE. FOR SEWER IS 114° PER FOOT. DOMESTIC WASTE SHALL BE SIZED AND INSTALLED PER CPC CHAPTER 7. DOMESTIC VENTS SHALL BE SIZED FOR SEWER IS 114° PER FOOT. DOMESTIC WASTE SHALL BE SIZED AND INSTALLED PER CPC CHAPTER 7. DOMESTIC VENTS SHALL BE SIZED FOR CPC CHAPTER 9. TIC WATER PIPE SIZE TO BE 314°. USE A REDUCING ELL AT FIXTURE IF NECESSARY. DOMESTIC WATER SUPPLY SHALL BE SIZED AND PC CHAPTER 6. XTURES, VALVES, FAUCETS, FIXTURE STOPS, ETC. WHICH PROVIDE WATER FOR HUMAN CONSUMPTION MUST MEET THE LEAD FREE 3R THE STATE OF CALIFORNIA. ABLE DISTANCE FOR HOT WATER LATERALS TO FIXTURES OFF OF THE CIRCULATING MAIN SHALL BE 10·0°. SHALL BE INSTALLED PER CPC CHAPTER 5 AND MANUFACTURERS OFF OF THE CIRCULATING MAIN SHALL BE 10·0°. SHALL BE INSTALLED PER CPC CHAPTER 5 AND MANUFACTURERS INSTALLATION REQUIREMENTS. DOMESTIC HOT WATER SYSTEM SHALL BE ASONABLY ASSURE AN ADEQUATE FLOW OF HOT WATER AT ALL OUTLETS.	8       AND       EQUIP       EQUIPMENT         °F       DEGREES FAHRENHEIT       ESP       EXTERNAL STATIC PRES         AC       AIR CONDITIONER       EWB       ENTERING WATER TEMF         AD       ACCESS DOOR       EWT       ENTERING WATER TEMF         AN       PIPE ANCHOR       EXT       EXTERING WATER TEMF         AP       ACCESS PANEL       FD       FLOOR DRAIN         AFF       ABOVE FINISH FLOOR       FFE       FINISHED FLOOR DELEVA         AFUE       ANNUL FUE UTILIZATION EFFICIENCY       FLA       FUL ADA AMPS         AL       ACOUSTICALLY LINED       FLEX       FLEXIBLE         AMP       AMPERE       FEET       PER MINUTE FPM         APROX APPROXIMATE       FS       FLOOR SINK       ARCH         ARCH       ARCHITECT/ARCHITECTURAL       FT       FEET         AW       ACID WREVENTER       FT       FUE       FILM ROOF         BHP       BACKELOW PREVENTER       FT       FUE       FUE       FREGUE         BUG       BUIDING       GPM       GALLONS PER MINUTE       BT       HERMAL UNIT       GPR       GAS PRESSURE EQUL         BUB       BACKELOW PREVENTER       FT       FUE       FUE       FU
DSA GENERAL NOTES	SYMBOL LEGI
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	PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COM SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2019 CBC THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE ID AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., OSHPD C INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE S SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERFY THE ADEQUACY OF TH MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL I MP MD PP E C - OPTION 1: DETAILED ON THE APPROVED DRAWINGS W MP MD PP E C - OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSH #0043-13, "MASON WEST, INC. SEISMIC RESTRAINT GU #0052-13, "B-LINE/TOLCO SEISMIC RESTRAINT SYSTEM

IATIONS			LIST OF GOVERNING CODES
VIATIONS TIC PRESSURE BULB FER TEMPERATURE PRESSURE MINUTE E REGULATOR E PIPING TON EMPERATURE R TEMPERATURE BULB FOUR JIT AMPS ONTROL PANEL R TEMPERATURE BULB	NO NTS OA OC PD PH PRV PSI P/T QTY RA RM RP RPM RV SA SC SEER SOV SP SPEC SQ STRUCT TC TDH TEMP TH TSP TV TYP UL UON V VB VTR W/ WB WC WH	NOT IN CONTRACT NORMALLY OPEN NOT TO SCALE OUTSIDE AIR ON CENTER PRESSURE DROP PHASE PRESSURE REDUCING VALVE POUNDS PER SQUARE INCH PRESSURE/TEMPERATURE QUANTITY RETURN AIR ROOM REDUCED PRESSURE REVOLUTIONS PER MINUTE RELIEF VALVE SUPPLY AIR SENSIBLE COOLING SEASONAL ENERGY EFFICIENCY RATIO SHUT-OFF VALVE STATIC PRESSURE SPECIFICATION SQUARE STRUCTURAL TOTAL COOLING TOTAL DYNAMIC HEAD TEMPERATURE THERMOMETER TOTAL STATIC PRESSURE TURNING VANES TYPICAL UNDERWRITER'S LABORATORIES UNLESS OTHERWISE NOTED VOLT VALVE IN VALVE BOX VENT THROUGH ROOF WITH WET BULB WATER COLUMN WATER HEATER WEIGHT	LIST OF GOVERNING CODES 2019 BULCING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24, C.C.R. 2019 CALIFORMA BULCING CODE (COE), PART 3, TITLE 24, C.C.R. 2019 CALIFORMA ELECTRICAL CODE (CAC), PART 4, TITLE 24, C.C.R. 2019 CALIFORMA MECHANICAL CODE (CAC), PART 1, TITLE 24, C.C.R. 2019 CALIFORMA MECHANICAL CODE (CAC), PART 1, TITLE 24, C.C.R. 2019 CALIFORMA MECHANICAL CODE (CAC), PART 1, TITLE 24, C.C.R. 2019 CALIFORMA PREPRENCED STANDARDS CODE, PART 1, TITLE 24, C.C.R. 2019 CALIFORMA REPERENCED STANDARDS CODE, PART 1, TITLE 24, C.C.R. 2019 CALIFORMA REPERENCED STANDARDS CODE, PART 1, TITLE 24, C.C.R. 2019 CALIFORMA REPERENCED STANDARDS CODE, PART 1, TITLE 24, C.C.R. 2019 CALIFORMA REPERENCED STANDARDS CODE, PART 12, TITLE 24, C.C.R. 2019 CALIFORMA REPERENCED STANDARDS CODE, PART 12, TITLE 24, C.C.R. 2019 CALIFORMA REPERENCED STANDARDS CODE, PART 12, TITLE 24, C.C.R. 2019 CALIFORMA REPERENCED STANDARDS CODE, PART 12, TITLE 24, C.C.R. 2019 CALIFORMA REPERENCED STANDARDS CODE, PART 12, TITLE 24, C.C.R. 2019 CALIFORMA REPERENCED STANDARDS CODE, PART 12, TITLE 24, C.C.R. 2019 CALIFORMA REPERENCED STANDARDS CODE, PART 12, TITLE 24, C.C.R. 2019 CALIFORMA REPERENCED STANDARDS CODE, PART 12, TITLE 24, C.C.R. 2019 CALIFORMA REPERENCED STANDARDS CODE, PART 12, TITLE 24, C.C.R. 2019 CALIFORMA REPERENCED STANDARDS CONCERNANCE AND CASHING CONSTRUCTION CHARGES PERSECTION 4.333. 2019 SECTION ASSIMPTION OF CONSTRUCTION PERPERSECTION 4.334. 2010 SUPERVISION STRUCTION PERPERSECTION 4.335. 2010 STAND TO CONSTRUCTION PERPERSECTION 4.331. 2010 SUPERVISION BY THE DIVISION OF THE STATE ARCHITECT PER SECTION 4.331. 2010 SUPERVISION BY THE DIVISION OF THE STATE ARCHITECT PER SECTION 4.331. 2010 SUPERVISION BY THE DIVISION OF THE STATE ARCHITECT PER SECTION 4.331. 2010 SUPERVISION BY THE DIVISION OF THE STATE ARCHITECT PER SECTION 4.331. 2010 SUPERVISION BY THE DIVISION OF THE STATE ARCHITECT PER SECTION 4.331. 2010 SUPERVISION BY THE DIVISION OF THE STATE ARCHITECT PER SECTION 4.331. 2010 SUPERVISION BY THE DIVISION OF THE STATE ARCHITECT
FC A-1 P2.1 ANCHORAGE NOT ANCHORAGE NOT ED AND INSTALLED PER THE I TO MEET THE FORCE AND DIS 26 AND 30. ACHED (E.G. HARD WIRED) TO ALL ELECTRICAL CONNECTION 0 POUNDS OR HAS A CENTER ENT IS REQUIRED TO BE REST ELY ATTACHED TO THE STRUL HAVE FLEXIBLE CONNECTION ALLOW MOVEMENT IN BOTH T MASS LOCATED 4 FEET OR LE IBUTED SYSTEMS, LESS THAN IS SHALL BE SUBJECT TO THE	TAG NUMBER	POINT OF CONNECTION REMOVE EXISTING UNION LINE BREAK FLEXIBLE CONNECTOR WATER HAMMER ARRESTOR TRAP PRIMER ACCESS PANEL GRADE CLEAN-OUT/FLOOR CLEAN-OUT WALL CLEAN-OUT HOSE BIBB CONCENTRIC & ECCENTRIC REDUCERS TEE DOWN 90 DOWN PIPE ANCHOR THERMOMETER REDUCED PRESSURE BACKFLOW PREVENTER DOUBLE CHECK DETECTOR ASSEMBLY DOUBLE CHECK DETECTOR ASSEMBLY AND LONGITUDINAL DIRECTIONS: HE ADJACENT FLOOR OR ROOF LEVEL PER FOOT, WHICH ARE SUSPENDED OF THE DESIGN PROFESSIONAL IN E PROJECT INSPECTOR WILL VERIFY	<ul> <li>ANDELECTANOMERIE OF HEORING OF ANY REQUIRED MODIFICATIONS WHICH ARE NOT REFERENCED IN THESE HALLS FINDER TO SUBJECT THE CONTINUED REPORT TO ANTIMISTIC CONTINUED REPORT TO ANTIMISTIC AND THE ARE DARRAMMENT. THEY ARE REPORT TO BE TO EXAMINE TO ANTI THE PARSE REPORT TO ANTI THE AND THE ARE DARRAMMENT. THEY ARE REPORT TO AN OTHER CONNECTIONS SHULL BE CORRENT TO ANTI THE PARSE REPORT TO ANTI THE AND THE ARE DARRAMMENT. THEY ARE REPORT TO AN OTHER CONNECTIONS SHULL BE CORRENT TO ANTI THE TO ANTITICE AND THE REPORT TO ANTITICE AND THE REPORT TO ANTITICE ANTITICE AND THE REPORT TO ANTITICE ANTITICE AND THE REPORT</li></ul>
019 CBC, SECTIONS 1617A.1.2 R THE IDENTIFIED DISTRIBUT OSHPD OPM FOR 2013 BC OR D THE START OF AND DURING	ES AND DIS 24, 1617A.1.2 ION SYSTEM LATER), CO 5 THE HANGI JPPORT THE EMS (E): FIC NOTES A OPM #)	PLACEMENTS PRESCRIBED IN ASCE 7-16 5, AND 1617A.1.26. ARE AS NOTED BELOW. WHEN BRACING PIES OF THE BRACING SYSTEM NG AND BRACING OF THE DISTRIBUTION HANGER AND BRACE LOADS.	2P0.1 SYMBOL LEGENDS, ABBREVIATIONS, NOTES - PLUMBING 2P2.1 NEW FLOOR PLAN - PLUMBING



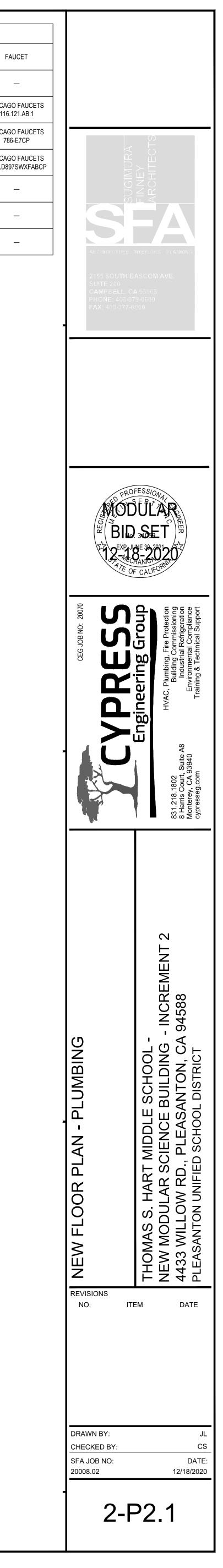
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			PLUMBING FIXTUR	RES SCHEDULE		
ITEM	DESCRIPTION	MANUFACTURER	MODEL NO.	FLUSH VALVE	SEAT	F
WC-1	WALL HUNG WATER CLOSET	AMERICAN STANDARD	AFWALL MILLENNIUM 2257.101	SLOAN ROYAL 111 ESS-1.28-TMO-HW	AMERICAN STANDARD 5901.100SS	
L-1	WALL HUNG LAVATORY	AMERICAN STANDARD	LUCERNE 0356.421	_	_	CHICA 116
LS-1	LAB SINK (INTEGRAL TO COUNTER)	SEE ARCH DWGS	SEE ARCH DWGS	_	_	CHICA( 78
MS-1	MOP SINK	AMERICAN STANDARD	FLORWELL 7741.000	_	_	CHICA 540-LD8
HB-1	HOSE BIBB	ACORN	8121-CP-LF	-	_	
GT-1	GAS TURRET	CHICAGO FAUCETS	LGB1-31C-10	_	_	
EW-1	EMERGENCY SHOWER AND EYEWASH	SEE ARCH DWGS	SEE ARCH DWGS	—	—	

1. COORDINATE ALL PLUMBING FIXTURE SELECTIONS WITH SCHOOL DISTRICT FOR FINAL APPROVAL.

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#### **GENERAL CONSTRUCTION NOTES** CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS. MATERIALS AND EQUIPMENT SHALL BE U.L. LISTED AND LABELED FOR THE APPLICATION. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, LICENSES AND INSPECTION FEES REQUIRED BY THIS CONTRACT WORK. CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO BIDDING AND ALLOW FOR ALL FIELD CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL WORK NOTED AND CALLED OUT ON ALL CONTRACT DOCUMENTS. THE CONTRACTOR SHALL OBTAIN INFORMATION AND BE FAMILIAR WITH ALL OTHER TRADES WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION BETWEEN OTHER TRADES ON PROJECT. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF PERSONS AND PROPERTY AND SHALL PROVIDE INSURANCE COVERAGE AS NECESSARY FOR LIABILITY AND PERSONAL, PROPERTY DAMAGE, TO FULLY PROTECT THE OWNER, ARCHITECT AND ENGINEER FROM ANY AND ALL CLAIMS RESULTING FROM THIS WORK. CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS AT THE PROJECT SITE INDICATING ALL MODIFICATIONS TO ELECTRICAL SYSTEMS. THE CONTRACTOR SHALL AT THE CONCLUSION OF THE PROJECT PROVIDE ACCURATE "AS-BUILT" DRAWINGS ACCEPTABLE TO THE ARCHITECT. 6. ALL MATERIALS PROVIDED TO THE PROJECT SHALL BE NEW. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL INCIDENTAL MATERIALS REQUIRED FOR A COMPLETE INSTALLATION. CONTRACTOR SHALL PROVIDE TO THE ARCHITECT A CONSTRUCTION SCHEDULE OF ELECTRICAL WORK. THE CONSTRUCTION SCHEDULE SHALL IDENTIFY ALL SIGNIFICANT MILESTONES WITH COMPLETION DATES. CONTRACTOR SHALL PROVIDE ALL REQUIRED "CUTTING, PATCHING, EXCAVATION, BACKFILL AND REPAIRS" NECESSARY TO RESTORE DAMAGED SURFACES TO EQUAL OR BETTER THAN ORIGINAL CONDITIONS EXISTING AT START OF WORK. 9. CONTRACTOR SHALL BE RESPONSIBLE FOR PAINTING ALL EXPOSED CONDUITS AND ELECTRICAL EQUIPMENT. REFER TO ARCHITECTS PAINTING SECTION FOR REQUIREMENTS. 10. ALL ELECTRICAL EQUIPMENT INSTALLED OUTDOORS SHALL BE WEATHERPROOF. EXTERIOR CONDUITS RUN INTO BUILDINGS SHALL BE INSTALLED WITH FLASHING, CAULKED AND SEALED. CONDUITS FOR EXTERIOR ELECTRICAL DEVICES SHALL BE RUN INSIDE BUILDING UNLESS OTHERWISE NOTED ON DRAWINGS. 11. ALL CONDUITS UNLESS OTHERWISE NOTED ON DRAWINGS SHALL HAVE AS A MINIMUM: TWO (2) #12s WITH ONE (1) #12 GROUND. "TICK" MARKS SHOWN ON CIRCUITRY ARE FOR ROUGH ESTIMATING ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WIRES AND WIRE SIZES REQUIRED BY LATEST CODE. 12. ALL BRANCH CIRCUITS SHALL HAVE INDIVIDUAL NEUTRALS. SHARED NEUTRALS ON MULTIWIRE CIRCUITS IS NOT ALLOWED. 13. ALL 120/277V LIGHT SWITCHES AND WALL OCCUPANT SENSORS SHALL HAVE A NEUTRAL INSTALLED TO THE DEVICE BOX EXCEPT WHERE A CONDUIT OR SURFACE RACEWAY SYSTEM IS INSTALLED. 14. COORDINATE ALL CONDUIT RUNS, ELECTRICAL EQUIPMENT AND PANELS WITH ALL OTHER WORK TO AVOID CONFLICTS. 15. SEE ARCHITECTURAL DOCUMENTS FOR EXACT PLACEMENT OF LIGHTING FIXTURES AND DEVICES. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF CEILING TYPES FROM ARCHITECTURAL DOCUMENTS AND PROVIDE AND INSTALL ALL REQUIRED FIXTURE MOUNTING HARDWARE. PROVIDE AND INSTALL U.L. LISTED FIRE STOP ENCLOSURES FOR ALL RECESSED FIXTURES IN FIRE RATED CEILINGS. 16. FROM ALL NEW FLUSH MOUNT PANELS; THE CONTRACTOR SHALL STUB UP INTO ACCESSIBLE CEILING SPACE A MINIMUM OF FOUR (4) 3/4" CONDUITS FOR FUTURE USE. 17. CONTRACTOR SHALL, PRIOR TO BID, FIELD VERIFY ALL REQUIREMENTS FOR MODIFYING THE EXISTING CLOCK, DATA, AND INTERCOM SYSTEMS TO ACCOMMODATE ADDITIONS NOTED. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS NEEDED TO MAKE A FULLY OPERATIONAL SYSTEM AT THE CONCLUSION OF PROJECT WORK. 18. CONTRACTOR SHALL PROVIDE IN EVERY NEW EMPTY CONDUIT A DRAW STRING FOR USE IN FUTURE CONSTRUCTION. 19. ALL CONDUIT SHALL BE CONCEALED WHERE POSSIBLE. CUT AND PATCH EXISTING WALLS WHERE NECESSARY. WHERE IT IS NECESSARY TO CUT OR BORE EXISTING STRUCTURAL WALLS FOR NEW ELECTRICAL WORK OBTAIN PERMISSION FROM THE ARCHITECT PRIOR TO STARTING WORK. REUSE EXISTING CONDUIT WHERE POSSIBLE. WHERE IT IS NOT POSSIBLE TO REUSE EXISTING CONDUIT OR RUN NEW CONCEALED CONDUIT USE NON-METALLIC SURFACE RACEWAY AND BOXES. ROUTING OF ALL NON-METALLIC RACEWAYS SHALL BE APPROVED BY THE ARCHITECT OR OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN. 21. EXTENSION RINGS OR RESET BOXES TO BE FLUSH WITH NEW WALL THICKNESS. 22. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE TO EXISTING UNDERGROUND SYSTEMS (GAS, WATER, TELEPHONE, ELECTRICAL, SEWER, ETC.). THE CONTRACTOR SHALL REPAIR & PAY ALL EXPENSES FOR DAMAGE TO EXISTING UNDERGROUND SYSTEMS AS A RESULT OF NEW WORK. REPAIR TO DAMAGED UNDERGROUND SYSTEMS SHALL BE TO THE OWNERS SATISFACTION WITHOUT EXTRA EXPENSE TO THE OWNER. 23. EXISTING WIRING SHOWN HAS BEEN TAKEN FROM OLD PLANS AND IS ASSUMED TO BE CORRECT. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ACTUAL CONDITIONS AND MAKE ADJUSTMENTS TO SUIT ACTUAL CONDITIONS AND TO MEET THE INTENT OF THE CONTRACT DOCUMENTS. 24. WHERE NON-METALLIC SHEATHED CONDUCTORS ARE FOUND, THE CONTRACTOR SHALL REMOVE TO FULLEST EXTENT PER THE GENERAL DEMOLITION NOTES AND REPLACE WITH CONDUIT. METAL CLAD CABLE WILL BE PERMITTED ON A CASE-BY-CASE BASIS ONLY BY WRITTEN APPROVAL FROM THE ARCHITECT.

25. ALL INSTALLATION OF EXPOSED SURFACE MOUNTED RACEWAY IN PUBLIC AREAS SHALL BE REVIEWED BY ARCHITECT BEFORE ROUGH-IN. CONTRACTOR IS TO DETERMINE THE ACCESSIBILITY OF ATTIC, FURRED SPACE, HOLLOW MULLIONS, ETC. IN EACH AREA AND REVIEW WITH ARCHITECT. IF SYSTEM CAN BE ROUTED CONCEALED EITHER BY FISHING OR ACCESSIBILITY, CONTRACTOR IS TO DO SO. IF INACCESSIBILITY IS DETERMINED, CONTRACTOR SHALL INSTALL SURFACE MOUNTED RACEWAY IN THE MOST AESTHETICALLY PLEASING MEANS AS DETERMINED BY THE ARCHITECT. NO ALLOWANCE FOR ADDITIONAL COMPENSATION DUE TO ROUTING AS DIRECTED BY THE ARCHITECT WILL BE MADE.

## LIGHT FIXTURE SCHEDULE

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IX	TURE NOTES:
	ALL LED LIGHT FIXTURE DRIVERS SHALL BE ELECTRONIC
	ALL LED LIGHT MODULES SHALL BE ENERGY SAVING 3500 MORE INFORMATION).
	ALL LED DRIVERS (AND ASSOC. FIXTS.) SHALL HAVE MANU CALIFORNIA ENERGY COMMISSION STANDARDS AND REQ SPACES.
•	EXIT SIGNS , EMERGENCY LIGHTS AND LIGHT FIXTURES W MINIMUM DURATION OF 90 MINUTES OF POWER IN THE EV
	ALL RECESSED LIGHT FIXTURES SHALL BE U.L. APPROVED INSTALLED IN INSULATED CEILINGS.

TYPE	DESCRIPTION	LAMPS	MANUFACTURER	
A1	4" APERTURE DIRECT/INDIRECT LINEAR SUSPENDED LED FIXTURE, STANDARD OUTPUT UP, VERY HIGH OUTPUT DOWN, UPLIGHT TOP GLOW OPTIC, DOWNLIGHT FLUSH OPTIC, WIDESPREAD OPTICS, FINISH PER ARCHITECT, 0-10V DIMMING DRIVER, 120V. [#] SEE LIGHTING PLANS FOR DIFFERENT LENGTHS. SEE LIGHTING PLANS FOR 4' SECTION WITH EMERGENCY BATTERY BACK-UP.	12.9W/FT LED 1354LM/FT	FINELITE HP-4 ID SERIES	5 E6.2 4 E6.2 3 E6.2
A2	SAME AS FIXTURE TYPE "A1" EXCEPT SURFACE MOUNT AND WALL WASH.	LED	FINELITE	2 E6.2
В	2' x 4' RECESSED LED FIXTURE, ANGLED DOOR STYLE, DIFFUSE CENTER OPTIC, HIGH OUTPUT, 0-10V DIMMING DRIVER, 277V. FINISH PER ARCHITECT.	40.6W LED 5416 LUMENS	FINELITE HPR LED SERIES	1 E6.2
BE	SAME AS FIXTURE TYPE "B" EXCEPT WITH EMERGENCY BATTERY BACK-UP OPTION.	40.6W LED 5416 LUMENS	FINELITE HPR LED SERIES	1 E6.2
С	4' L x 11" W x 2%" DEEP VANDAL WRAP SURFACE LED FIXTURE, STANDARD WIDTH, FROSTED RIBBED ACRYLIC SHIELDING, FINISH PER ARCHITECT, 0-10V DIMMING DRIVER, 120V.	31W LED 3600 LUMENS	HE WILLIAMS AVX SERIES	6 E6.2
CE	SAME AS FIXTURE TYPE "D1" EXCEPT WITH EMERGENCY BATTERY BACK-UP OPTION.	31W LED 3600 LUMENS	HE WILLIAMS AVX SERIES	6 E6.2
XAE	WALL SCONCE LED FIXTURE WITH EMERGENCY BATTERY BACK-UP, VISUAL COMFORT WIDE, 120V.		TBD	WEIGHT IS LESS THAN 25 LBS

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CTYPE, 10% TOTAL HARMONIC DISTORTION MAXIMUM. 0° K, 80 CRI MINIMUM, U.O.N. (SEE SPECIFICATIONS FOR

NUFACTURER'S CERTIFICATION OF COMPLIANCE WITH QUIREMENTS, WHERE SUCH ARE USED IN CONDITIONED

WITH EMERGENCY BATTERY BACK-UP SHALL SUPPLY A

EVENT OF A POWER OUTAGE/FAILURE. D FOR ZERO CLEARANCE INSULATION COVER WHEN

			ELECTRI	CAL S	YMBOLS & ABBREVIAT	IONS					
			SYMBOLS & ABBREVIATIONS SHO	WN ARE FOR (	GENERAL USE. DISREGARD THOSE WHICH DO NOT		N THE PLANS.				
0	FLUORESCENT OR LED LUMINAIRE - SEE SCHEDULE	♦	SECURITY DOOR CONTACTS		PANELBOARD - FLUSH MOUNTED EQUIPMENT PANEL - FLUSH MOUNTED	2	DETAIL NOTE REFERENC SEE ASSOCIATED NOTE (	e symbol On same di		DETAIL NUMBER DETAIL OR SEC	CTION REFERENCE
	EMERGENCY OR NIGHT LIGHT	HMD→	SECURITY MOTION DETECTOR		PANELBOARD - SURFACE MOUNTED				E3.0 1 5	SHEET NUMBER	२
⊢-0	STRIP FLUORESCENT OR LED LUMINAIRE - SEE SCHEDULE	H <u>sc</u> ⊲	CCTV CAMERA		EQUIPMENT PANEL - SURFACE MOUNTED	F301	FEEDER DESIGNATION; SEE ASSOCIATED NOTE (	ON SAME D	ETAIL $\begin{pmatrix} 1 \\ 2 \\ \end{pmatrix}$		ANTITY OF TELEPHONE
	LUMINAIRE - RECESSED - SEE SCHEDULE	НКР	SECURITY SYSTEM KEYPAD	$\mathbb{M}^{-}$	METER W/ CURRENT TRANSFORMER	ABBRI	EVIATIONS			NDICATES QUA	ANTITY OF DATA OUTLI
$\rightarrow$	RECESSED WALL WASHER	H•	DOOR BELL PUSHBUTTON	╝/Ю	JUNCTION BOX - CEILING OR WALL MOUNTED, SIZE PER CODE, TAPE AND TAG WIRES	A	AMPERE	GFCI	GROUND FAULT	NTS	NOT TO SCALE OVERALL HEIGHT
0	LUMINAIRE - SURFACE MOUNTED - SEE SCHEDULE	HCH	DOOR CHIME WITH LED	Ŋ	MOTOR CONNECTION	AFF ALUM/AL ARCH	ABOVE FINISHED FLOOR ALUMINUM ARCHITECT	GFI GND, ( GRS	INTERRUPTING GROUND GALVANIZED RIGID	OAH OC OH	OVERALL HEIGHT ON CENTER OVERHEAD
•••	LUMINAIRE - POLE OR POST MOUNTED -	ф	RECEPTACLE - DUPLEX *	C	NON-FUSED DISCONNECT SWITCH	AWG	AMERICAN WIRE GAUGE	HT	STEEL HEIGHT	PA PB	PUBLIC ADDRESS PULL BOX
-	SEE SCHEDULE	•	DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT	ď	FUSED DISCONNECT SWITCH; FUSED WITH DUAL-ELEMENT FUSES SIZED PER EQUIPMENT MFGR'S NAMEPLATE DATA	BKR C	BREAKER CONDUIT CABLE TV	IC IDF	INTERCOM INTERMEDIATE DISTRIBUTION FRAME	PF PH	POWER FACTOR PHASE
Ю	LUMINAIRE - WALL MOUNTED SEE SCHEDULE	ф	GFCI CONVENIENCE RECEPTACLE - DUPLEX*		COMBINATION STARTER/FUSED DISCONNECT SWITCH;	CATV CB CCTV	CABLE TV CIRCUIT BREAKER CLOSED CIRCUIT TV	INCAN	D INCANDESCENT	PIR PNL	PASSIVE INFRAREI
•	BOLLARD OR PATH LIGHT - SEE SCHEDULE	Ŵ	GFCI CONVENIENCE DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT	<b>⊠</b>	FUSED DISCONNECT SWITCH ELEMENT FUSES SIZED PER EQUIPMENT MFGRS NAMEPLATE DATA	CKT CL	CIRCUIT CENTER LINE	JB KV KVA	JUNCTION BOX KILOVOLT KILOVOLT AMPERES	PV PVC	PHOTOVOLTAIC POLYVINYL CHLORIDE
<b>8</b>	EXIT LIGHT - DIRECTIONAL ARROWS AS INDICATED - SEE SCHEDULE		RECEPTACLE DOUBLE DUPLEX *	$\boxtimes$	MAGNETIC STARTER - NEMA SIZE INDICATED NEMA 3R ENCLOSURE UNLESS OTHERWISE SPECIFIED	CLG C.O. CTR	CEILING CONDUIT ONLY CENTER	KW LCP	KILOWATT LIGHTING CONTROL PANEL	PWR (R) (RP)	POWER EXISTING TO BE RI REMOVABLE POLE
<u> </u>	TRACK LIGHTING - SEE SCHEDULE	<b>Ö</b>	HALF SWITCHED DUPLEX RECEPTACLE *		CIRCUIT BREAKER	D	DIMMER	LTG LV	LIGHTING LOW VOLTAGE		T'S RECEPTACLES
		φ	SINGLE RECEPTACLE *	•	GROUND ROD WITH GROUNDWELL BOX	DIST (E)	DISTRIBUTION EXISTING	KCM	THOUSAND CIRCULAR MILS	REQMT SHT	T'S REQUIREMENT(S) SHEET
$\bigcirc$	DIGITAL DUAL TECHNOLOGY OCC. SENSOR	ф	DUPLEX RECEPTACLE - CEILING MOUNTED	• lı· 	GROUND ELECTRODE NORMALLY OPEN CONTACT	EC (EL)	ELECTRICAL CONTRACTOR EVENING LIGHT	R M.B. MCA	MAIN CIRCUIT BREAKEF MINIMUM	R SLD STC	SINGLE LINE DIAGI
<-	LIGHTING CONTROL OCCUPANCY SENSOR CORNER MOUNTED	<del>н</del> Ф <sup>нс</sup>	LETTER INDICATES DUPLEX HALF	—,— —,/—	NORMALLY CLOSED CONTACT	EM EMT	EMERGENCY ELECTRICAL	MDF	CIRCUIT AMPS MAIN DISTRIBUTION FR	AME SW SWBD	
DRC	DIMMER ROOM CONTROLLER	Н Н С	CONTROLLED RECEPTACLE *	$\bowtie$	TRANSFORMER - SEE SINGLE LINE FOR SIZE	EQUIP	METALLIC TUBING EQUIPMENT	MECH MH MLO	MECHANICAL METAL HALIDE MAIN LUGS ONLY	TTB	TELEPHONE TERM BACKBOARD
PC	PLUG LOAD CONTROLLER	ф <sup>с</sup>	LETTER INDICATES DUPLEX FULLY CONTROLLED RECEPTACLE *		PULLBOX	EV FA	ELECTRICAL VEHICLE	MPOE MTD	MAIN POINT OF ENTRAM MOUNTED	UON	TYPICAL UNLESS OTHERWI
RC	ROOM LIGHTING CONTROLLER	•	FLOOR MOUNTED DUPLEX RECEPTACLE	$\bigcirc \bigcirc \bigcirc$	FLEX CONDUIT WITH CONNECTION	FACP	FIRE ALARM CONTROL PANEL	MTG MOCP	MOUNTING MAXIMUM OVER CURRENT PROTECTION	UG V VD	UNDERGROUND VOLT VOLTAGE DROP
LCP	LIGHTING CONTROL PANEL		FLOOR MOUNTED BOX	,	CONDUIT - UP	FC FIN FI	FOOT CANDLE FINISH FLOOR	(N) NIC	NEW NOT IN CONTRACT	W W/	WATT WITH
	DIGITAL DAYLIGHT SENSOR	<b>P</b>	POWER OUTLET - SEE PLANS FOR NEMA TYPE *	0	CONDUIT - DOWN	FLA FLUOR	FULL LOAD AMPS FLUORESCENT	NIEC	NOT IN ELECTRICAL CONTRACT	WP XFMR	WEATHERPROOF TRANSFORMER
\$	SINGLE POLE SWITCH **		POWER POLE	— E —	CONDUIT EMERGENCY SYSTEM	(F) GC	FUTURE GENERAL CONTRACTOR	(NL) NO.	NIGHT LIGHT NUMBER		
<b>\$</b> a	SINGLE POLE SWITCH, ** a = CIRCUIT CONTROLLED	✓ ☞ <sup>[#]</sup>	WALL TELEPHONE OUTLET **	— LV —	LOW VOLTAGE WIRING	FIRE A	ALARM	NOM	NOMINAL		
<b>\$</b> 3	THREE WAY SWITCH **		VOICE/DATA WALL OUTLET * VOICE/DATA OUTLET MOUNTED ABOVE	///////////////////////////////////////	SURFACE METAL OR NON-METALLIC RACEWAY	NOTE: SE	EE FIRE ALARM DRAWINGS F	OR QUANT	TIES AND MOUNTING HEIGH	TS.	
\$ 4	FOUR WAY SWITCH **		COUNTER - FIELD VERIFY HEIGHT		CONDUIT - CONCEALED IN WALLS OR CEILING		ا ANUAL PULL STATION	Ь рист	SMOKE DETECTOR	APS A	AUXILIARY POWER SU
<b>\$</b> м	MANUAL MOTOR STARTER		SURFACE MOUNTED VOICE/DATA WALL OUTLET *		CONDUIT - EXISTING	X st	ROBE ONLY	) TAMF	ER SWITCH	FSA F	FIRE SYSTEM ANNUNC
\$к	KEY OPERATED SWITCH **		MOUNTED ABOVE COUNTER - FIELD VERIFY HEIGHT		CONDUIT - BELOW SLAB OR UNDERGROUND: 3/4"MIN.		PEAKER ONLY				
<u>(</u> ) ها		-\$	WIRELESS ACCESS POINT (WAP) - CEILING MOUNTED	E	CAPPED OR STUB-OUT CONDUIT		CARER ONLY	FLOW	SWITCH	FTR F	FIRE ALARM TRANSPO OR TRANSMITTER
<b>§</b> <b>§</b> □	DIGITAL ON/OFF SWITCH ** DIGITAL DIMMER SWITCH **		WIRELESS ACCESS POINT (WAP) - WALL MOUNTED - FIELD VERIFY HEIGHT	<b>y</b>	CONDUIT CONTINUATION	ММ	NI HORN	POST	INDICATING VALVE	ESR	ELEVATOR STATUS/RE
<b>₩</b> D <b>\$</b> M#	DIGITAL MULTI SCENE LIGHTING SWITCH **	⊥ (#]	VOICE/DATA OUTLET - FLOOR MOUNTED	#10	CONDUIT - HOME RUN TO PANEL, TERMINAL CABINET, ETC. RUNS MARKED WITH	∑ X SP	PEAKER/STROBE	FIRE	SMOKE DAMPER	FAC F	FIRE ALARM COMMUN
<b>\$</b> s	DIGITAL DUAL TECHNOLOGY WALL OCC. SENSOR <b>**</b>	$\tilde{\Psi}$	TV OUTLET *	$\sim$	CROSSHATCHES INDICATE NUMBER OF #12 AWG WIRES WHEN MORE THAN TWO. SIZE	о X сн	нме/strobe 4	୬ → Bell	(GONG)		REMOTE ANNUNCIATO
\$	WALL OCCUPANCY SENSOR **	<b>(</b> <sup>#</sup> ]	VOICE/DATA OUTLET - CEILING MOUNTED		CONDUIT ACCORDING TO SPECIFICATIONS AND APPLICABLE CODE. CROSS HATCHES WITH NUMBER ADJACENT INDICATES WIRE			L CP FIRE	ALARM CONTROL PANEL		END OF LINE
▲ 2	DOUBLE SWITCHED WALL OCCUPANCY SENSOR <b>**</b>	S	INTERIOR SPEAKERS CEILING MOUNTED		SIZE OTHER THAN #12 AWG.						
	DIMMING DUAL TECHNOLOGY WALL SWITCH OCCUPANCY SENSOR **	нŚ	INTERIOR SPEAKERS WALL MOUNTED	$\left< \frac{2}{2} \right>$	SHEET NOTE REFERENCE SYMBOL; SEE ASSOCIATED NOTE ON SAME SHEET	-	IOKE DETECTOR				F. TO BOTTOM OF BO F. TO TOP OF BOX, U.
	2-BUTTON DIMMING DUAL TECHNOLOGY WALL SWITCH OCCUPANCY SENSOR **	Ю	CLOCK +8'-0" AFF U.O.N. VERIFY BEFORE INSTALLATION	$\langle 3 \rangle$	SCHEDULE SYMBOL; SEE ASSOCIATED NOTE ON SAME SHEET		ARBON DNOXIDE ALARM			[#] NUMBER	IN BRACKETS DENOTE E DROPS WHEN MORE

## EQUIPMENT ANCHORAGE

M/E/P COMPONENT 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 FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC, SECTION 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTER 13, 26 & 30:

- 1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
- 2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED(e.g. HARD WIRE) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 120 / 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 BE DETAILED IN THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING AND CONDUIT. FELXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS.

- A. COMPONENTS WEIGHTING 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 WEIGHTING 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.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT OF 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 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 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 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 PRE-APPROVED 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 LOADS. MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E): MP IMD PP IE - 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 #)

## **APPLICABLE CODES & STANDARDS**

#### CODES:

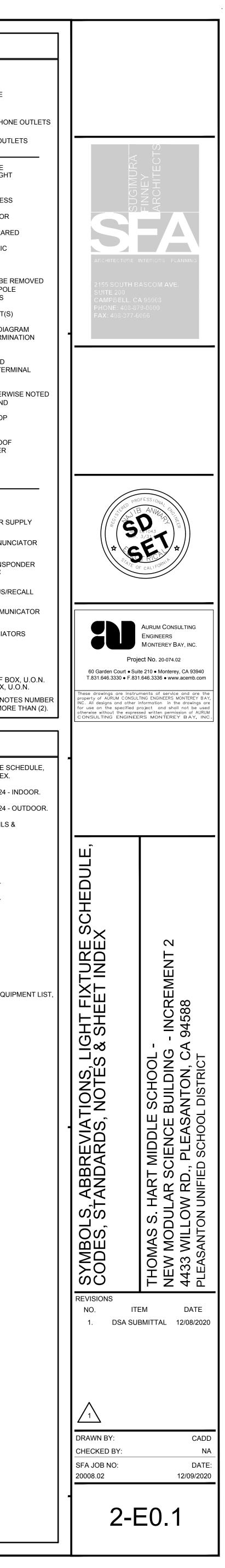
- 1. 2019 CALIFORNIA ADMINISTRATIVE CODE C.C.R., TITLE 24, PART 1.
- 2. 2019 CALIFORNIA BUILDING CODE (CBC) C.C.R., TITLE 24, VOL. 1 & 2 BASED ON THE 2018 INTERNATIONAL BUILDING CODE (IBC) WITH CALIFORNIA AMENDMENTS.
- 3. 2019 CALIFORNIA ELECTRICAL CODE (CEC) C.C.R., TITLE 24, PART 3 BASED ON THE 2017 NATIONAL ELECTRICAL CODE (NEC) WITH CALIFORNIA AMENDMENTS.
- 4. 2019 CALIFORNIA MECHANICAL CODE (CMC) C.C.R., TITLE 24, PART 4 BASED ON THE
- 2018 UNIFORM MECHANICAL CODE (UMC) WITH CALIFORNIA AMENDMENTS.
- 5. 2019 CALIFORNIA PLUMBING CODE (CPC) C.C.R., TITLE 24, PART 5 BASED ON THE 2018 UNIFORM PLUMBING CODE (UPC) WITH CALIFORNIA AMENDMENTS.
- 6. 2019 CALIFORNIA ENERGY CODE C.C.R., TITLE 24, PART 6.
- 7. 2019 CALIFORNIA FIRE CODE (CFC) C.C.R., TITLE 24, PART 9 BASED ON THE 2018 INTERNATIONAL FIRE CODE (IFC) WITH CALIFORNIA AMENDMENTS.
- 8. 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE C.C.R., TITLE 24, PART 11.
- 9. 2019 CALIFORNIA REFERENCED STANDARDS CODE C.C.R., TITLE 24, PART 12.
- 10. TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
- 11. NATIONAL FIRE ALARM CODE (NFPA 72) 2016.

STANDARDS:

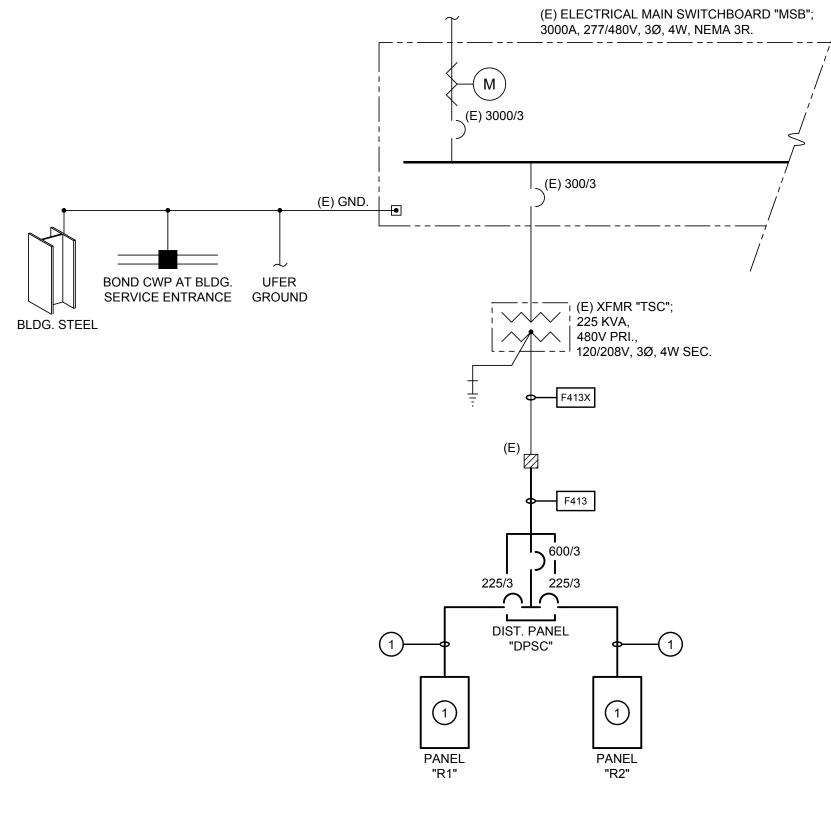
- 1. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
- 2. ELECTRONICS INDUSTRIES ASSOCIATION (EIA)
- 3. INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE)
- 4. NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)
- 5. NATIONAL ELECTRICAL TESTING ASSOCIATION (NETA)
- 6. UNDERWRITER LABORATORIES (UL)
- 7. CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ACT STANDARDS (CAL/OSHA)

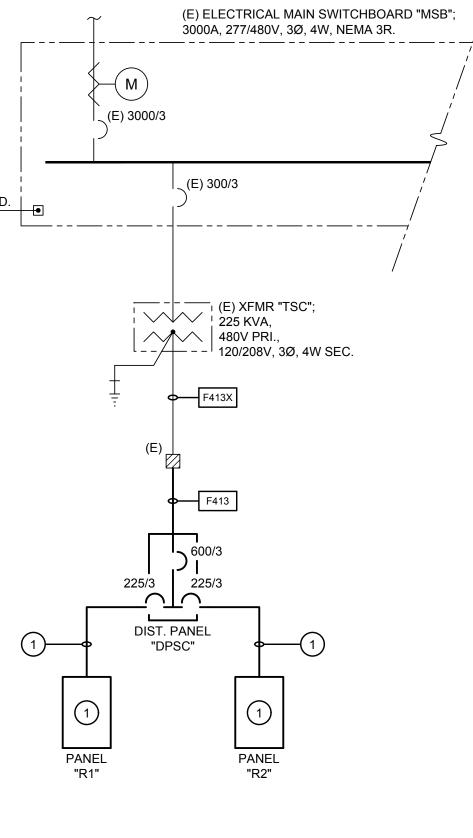
#### SHEET INDEX 2-E0.1 SYMBOLS, ABBREVIATIONS, LIGHT FIXTURE SCHEDULE CODES, STANDARDS, NOTES & SHEET INDEX. 2-E0.2 CALIFORNIA ENERGY COMPLIANCE TITLE 24 - INDOOR. 2-E0.3 CALIFORNIA ENERGY COMPLIANCE TITLE 24 - OUTDOOR 2-E1.1 ELECTRICAL SINGLE LINE DIAGRAM, DETAILS & PANELBOARD SCHEDULES. 2-E2.1 ELECTRICAL SITE PLAN. 2-E2.2 ELECTRICAL PARTIAL SITE PLAN. 2-E4.1 POWER & SYSTEMS PARTIAL FLOOR PLAN. 2-E4.2 POWER & SYSTEMS PARTIAL FLOOR PLAN. 2-E5.1 LIGHTING PARTIAL FLOOR PLAN. 2-E5.2 LIGHTING PARTIAL FLOOR PLAN. 2-E6.1 ELECTRICAL DETAILS. 2-E6.2 ELECTRICAL DETAILS. 2-E6.3 ELECTRICAL DETAILS. 2-FA0.1 FIRE ALARM SYMBOLS, ABBREVIATIONS, EQUIPMENT LIS OPERATIONAL MATRIX, DETAILS & NOTES. 2-FA1.1 FIRE ALARM RISER DIAGRAM, BATTERY & VOLTAGE DROP CALCULATIONS. 2-FA2.1 FIRE ALARM SITE PLAN. 2-FA2.2 FIRE ALARM PARTIAL SITE PLAN.

- 2-FA4.1 FIRE ALARM PARTIAL FLOOR PLAN.
- 2-FA4.2 FIRE ALARM PARTIAL FLOOR PLAN.



## PANELBOARD SCHEDULES



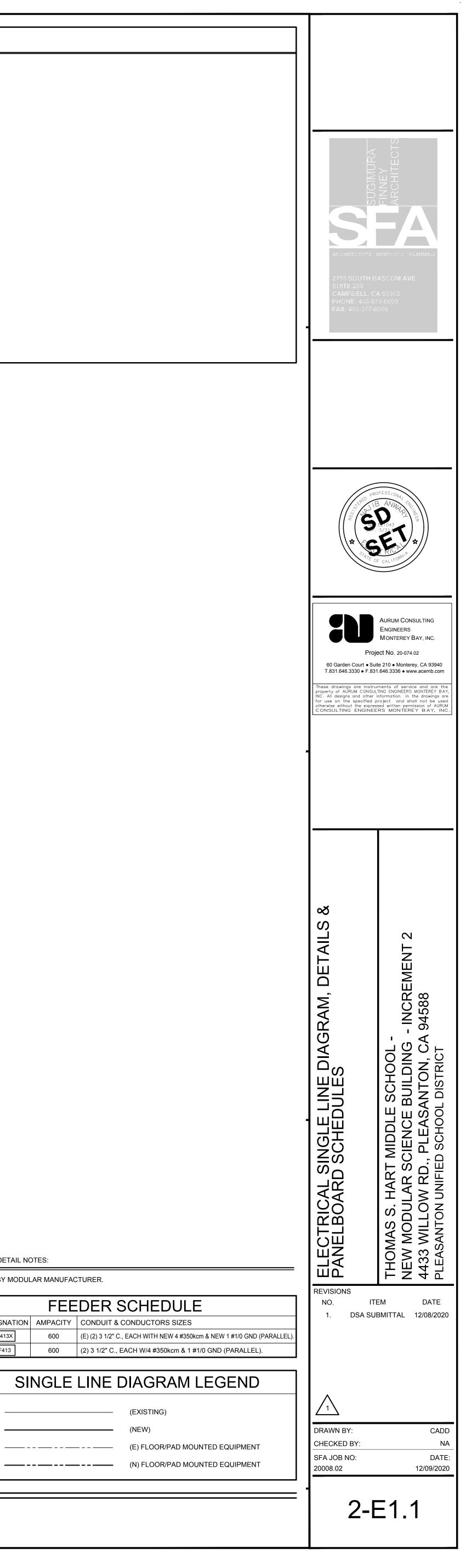


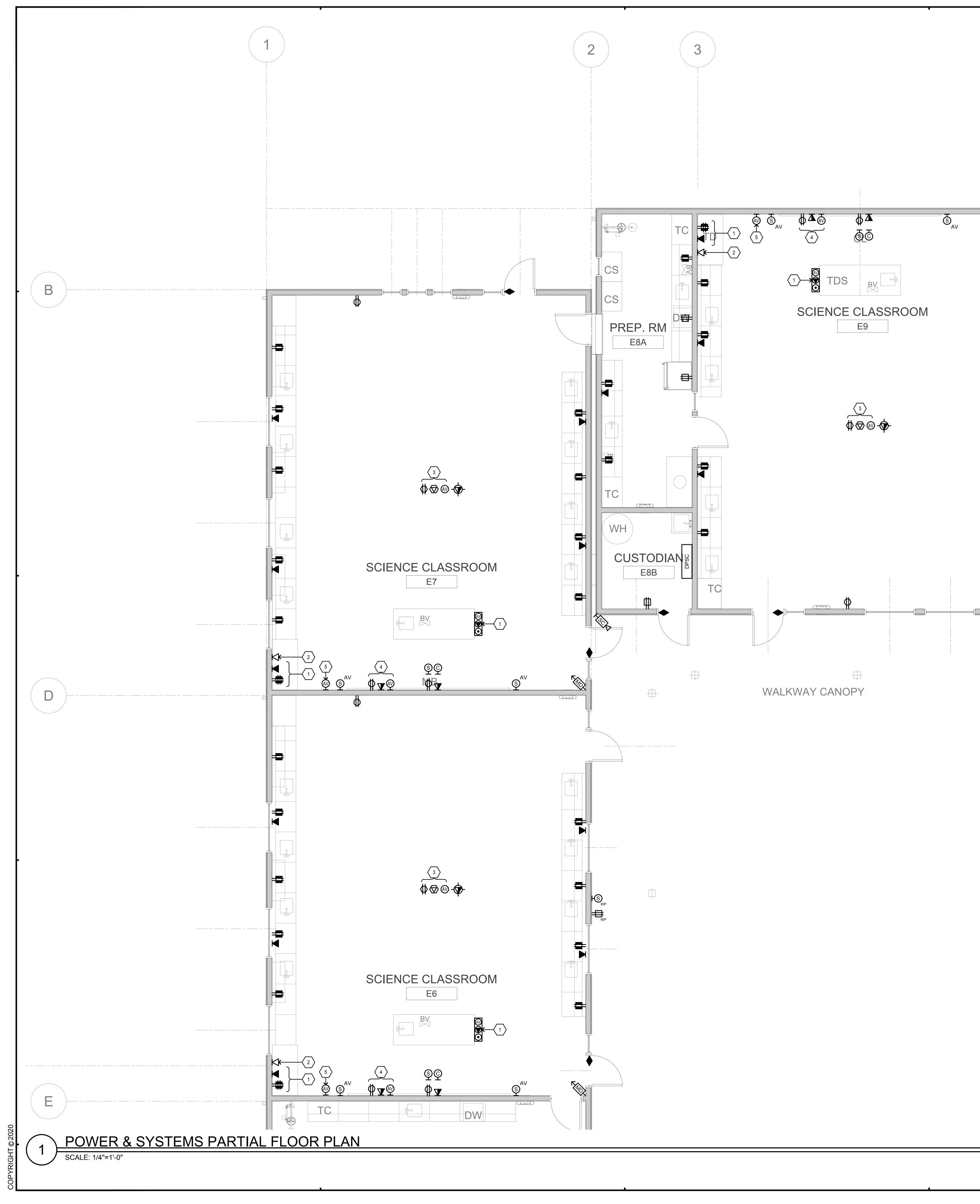
LECTRICAL SINGLE LINE DIAGRAM 1

NO SCALE

## 1. BY MODULAR MANUFACTURER. FEEDER SCHEDULE DESIGNATION AMPACITY CONDUIT & CONDUCTORS SIZES F413X F413 600 (E) (2) 3 1/2" C., EACH WITH NEW 4 #350kcm & NEW 1 #1/0 GND (PARALLEL). 600 (2) 3 1/2" C., EACH W/4 #350kcm & 1 #1/0 GND (PARALLEL). SINGLE LINE DIAGRAM LEGEND (EXISTING) \_\_\_\_\_ (NEW)

# DETAIL NOTES:





ects\2020Jobs\20-074.02 Hart Middle School Science Building Interior\Dwgs01\20-074E4.1.dwg, 4/2/2021 8.



1. FOR TEACHING STATION.

2. FOR CEILING MOUNTED PROJECTOR.

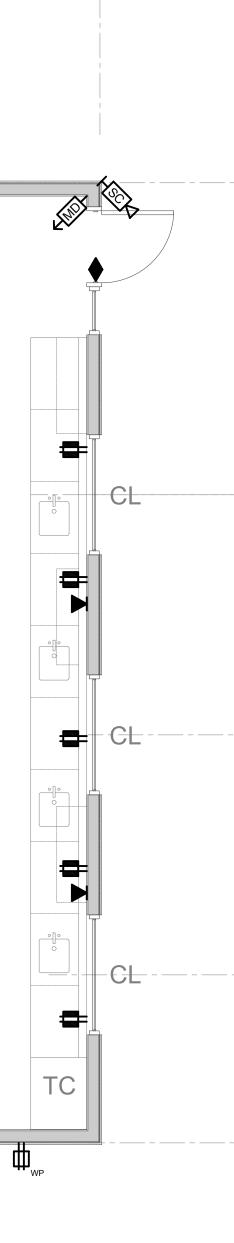
3. FOR TELEPHONE.

- 4. FOR TELEVISION. VERIFY EXACT LOCATION WITH ARCHITECT.
- 5. FOR TELEVISION CONTROLS.

	JCTOR SIZING				
CIRCUIT LENGTH	REQUIREN				
56'-90'	½"C., 2 #10 & 1 #				
91'-140'	½" C., 2 #8 & 1 #1				
131'-205'	½"C., 2 #10 & 1 #				
206'-330'	½" C., 2 #8 & 1 #1				
NOTE: CONTRACTOR SHALL SIZE BRANCH CIRCUIT CONDUCTOR TABLE ABOVE AS DETERMINED BY THE CIRCUIT CONDUCT U.O.N. CONTRACTOR SHALL SPLICE TO #12 AWG WITHIN T BOX FOR DEVICE CONNECTION IF NECESSARY.					
	56'-90' 91'-140' 131'-205' 206'-330' ALL SIZE BRANCH CIP DETERMINED BY THE DR SHALL SPLICE TO				

GENERAL NOTE:

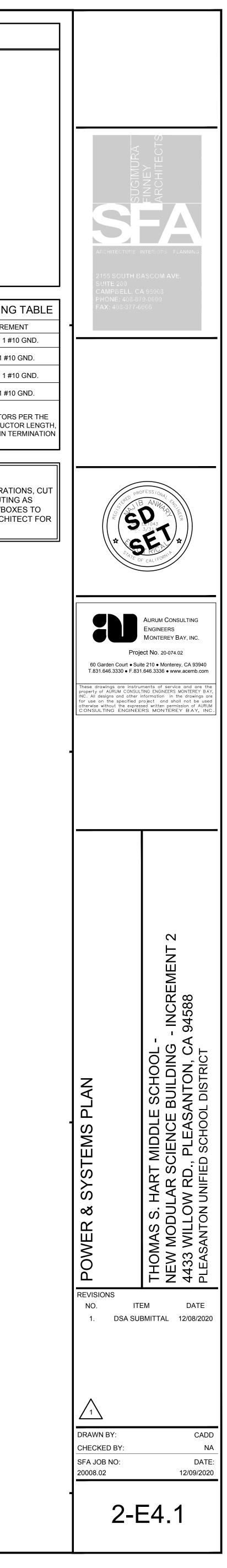
SEAL ALL EXTERIOR/INTERIOR BUILDING PENETRATIONS, CUT AND PATCH WALLS/CEILINGS FOR CONDUIT ROUTING AS NECESSARY. PAINT/FINISH EXPOSED CONDUITS/BOXES TO MATCH BUILDING FINISH. COORDINATE WITH ARCHITECT FOR EXACT REQUIREMENTS.

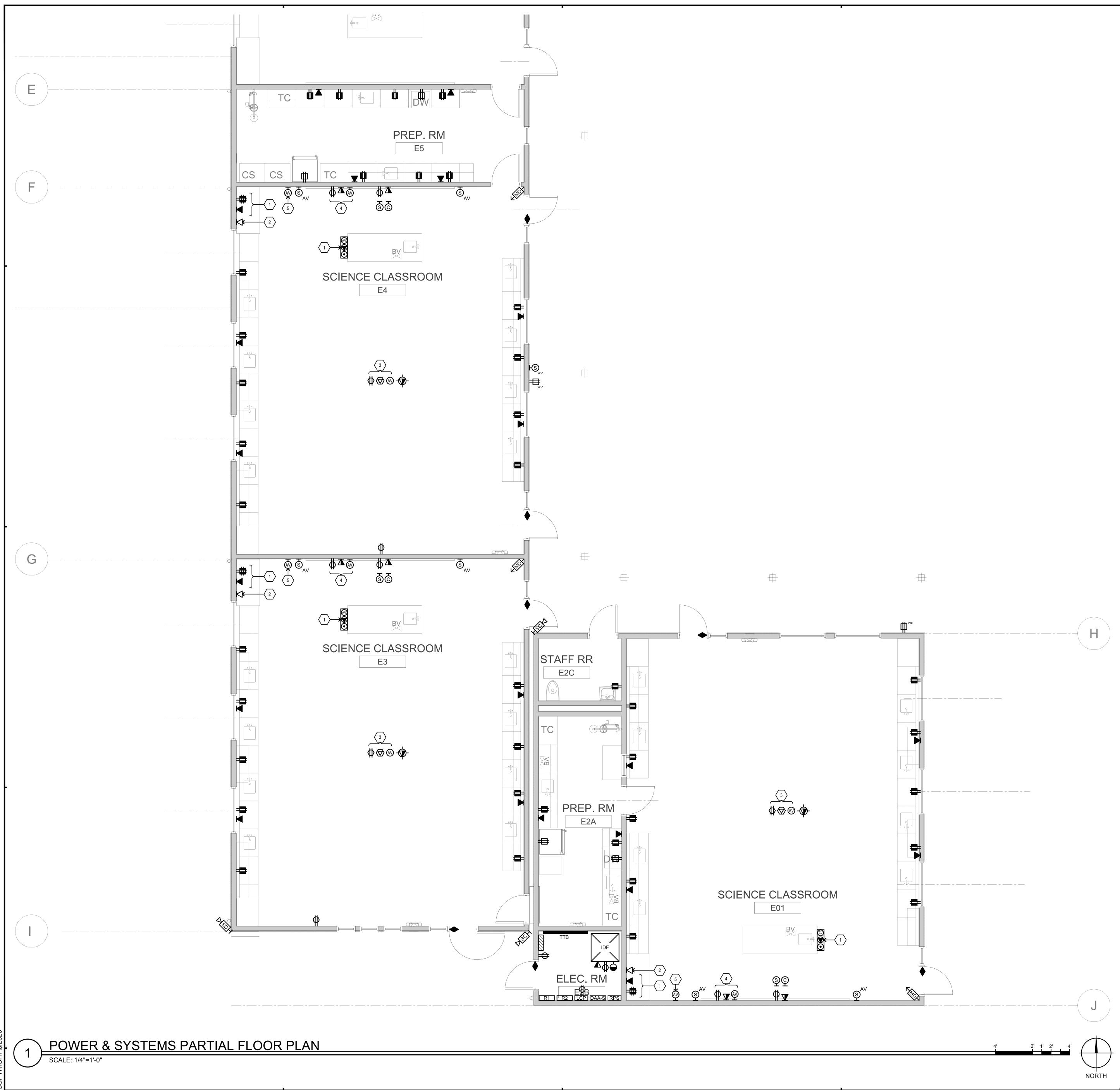




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4'	0'	1'	2'	 4'		
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## ○ SHEET NOTES

1. FOR TEACHING STATION.

2. FOR CEILING MOUNTED PROJECTOR.

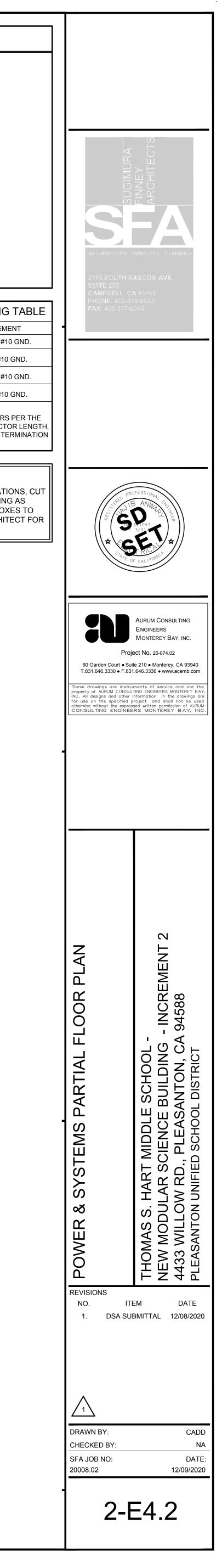
3. FOR TELEPHONE.

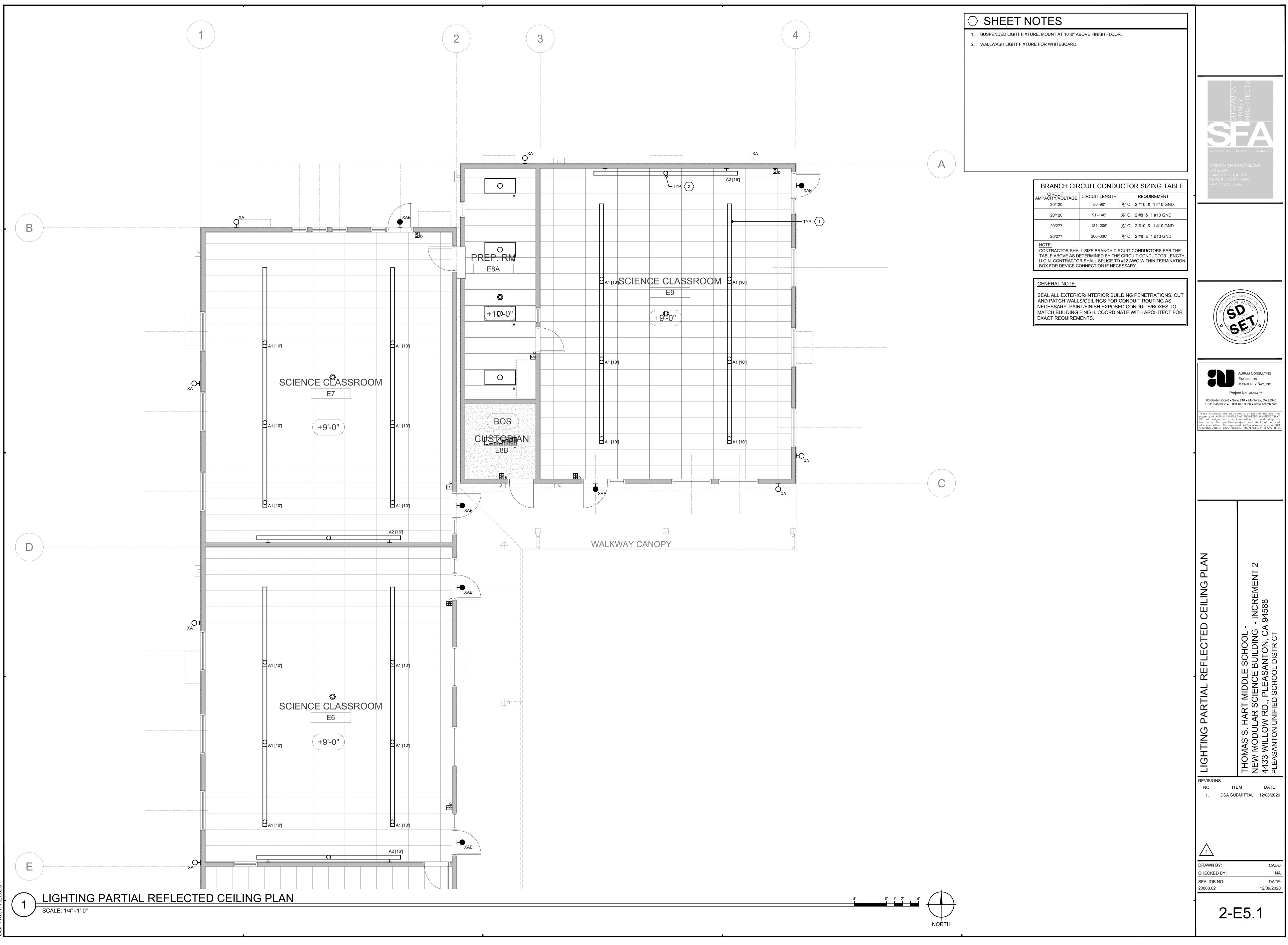
- 4. FOR TELEVISION. VERIFY EXACT LOCATION WITH ARCHITECT.
- 5. FOR TELEVISION CONTROLS.

#### BRANCH CIRCUIT CONDUCTOR SIZING TABLE CIRCUIT AMPACITY/VOLTAGE CIRCUIT LENGTH REQUIREMENT 20/120 ½" C., 2 #10 & 1 #10 GND. 56'-90' 20/120 1/2" C., 2 #8 & 1 #10 GND. 91'-140' ½" C., 2 #10 & 1 #10 GND. 20/277 131'-205' 20/277 206'-330' ½" C., 2 #8 & 1 #10 GND. NOTE: CONTRACTOR SHALL SIZE BRANCH CIRCUIT CONDUCTORS PER THE TABLE ABOVE AS DETERMINED BY THE CIRCUIT CONDUCTOR LENGTH, U.O.N. CONTRACTOR SHALL SPLICE TO #12 AWG WITHIN TERMINATION BOX FOR DEVICE CONNECTION IF NECESSARY.

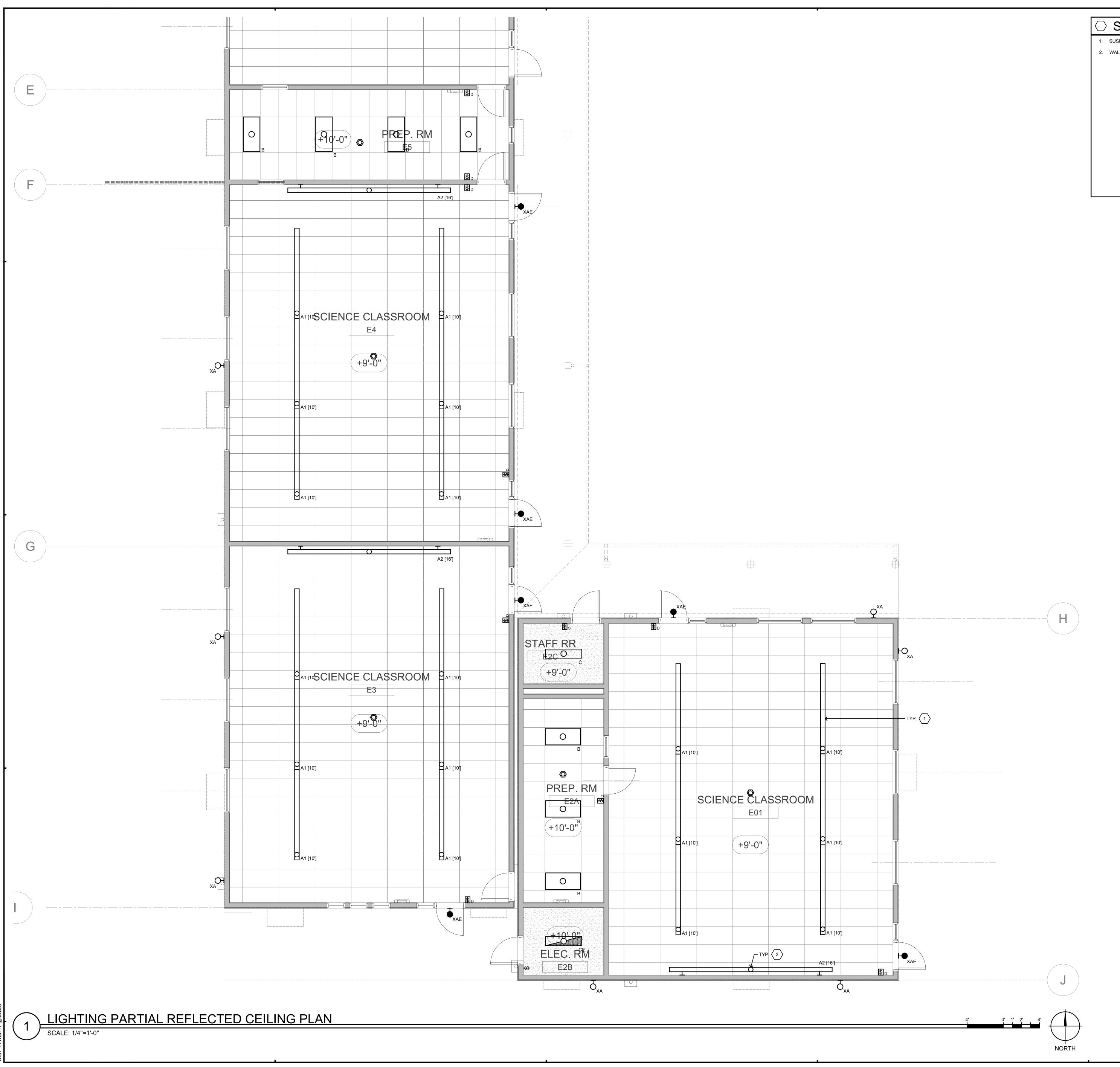
GENERAL NOTE:

SEAL ALL EXTERIOR/INTERIOR BUILDING PENETRATIONS, CUT AND PATCH WALLS/CEILINGS FOR CONDUIT ROUTING AS NECESSARY. PAINT/FINISH EXPOSED CONDUITS/BOXES TO MATCH BUILDING FINISH. COORDINATE WITH ARCHITECT FOR EXACT REQUIREMENTS.





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vierts/2020Jobs/20-074.02 Hart Middle School Science Building Interior/Dwgs01/20-074E5.2 dwg. 4/2/20.

## ○ SHEET NOTES

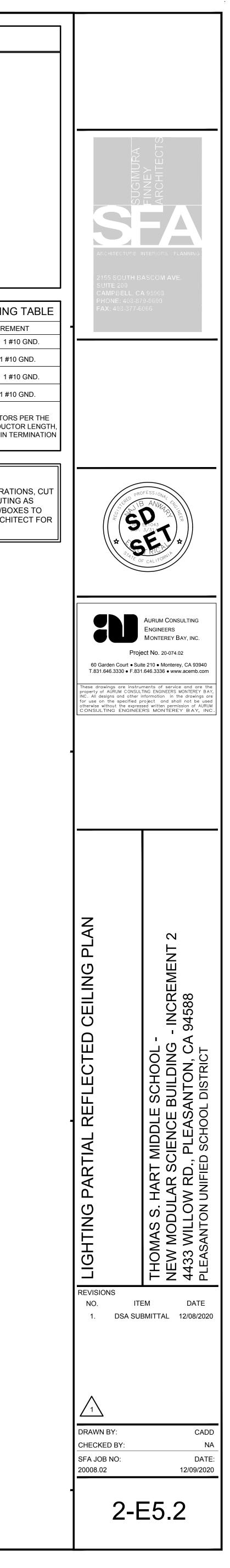
1. SUSPENDED LIGHT FIXTURE, MOUNT AT 10'-0" ABOVE FINISH FLOOR.

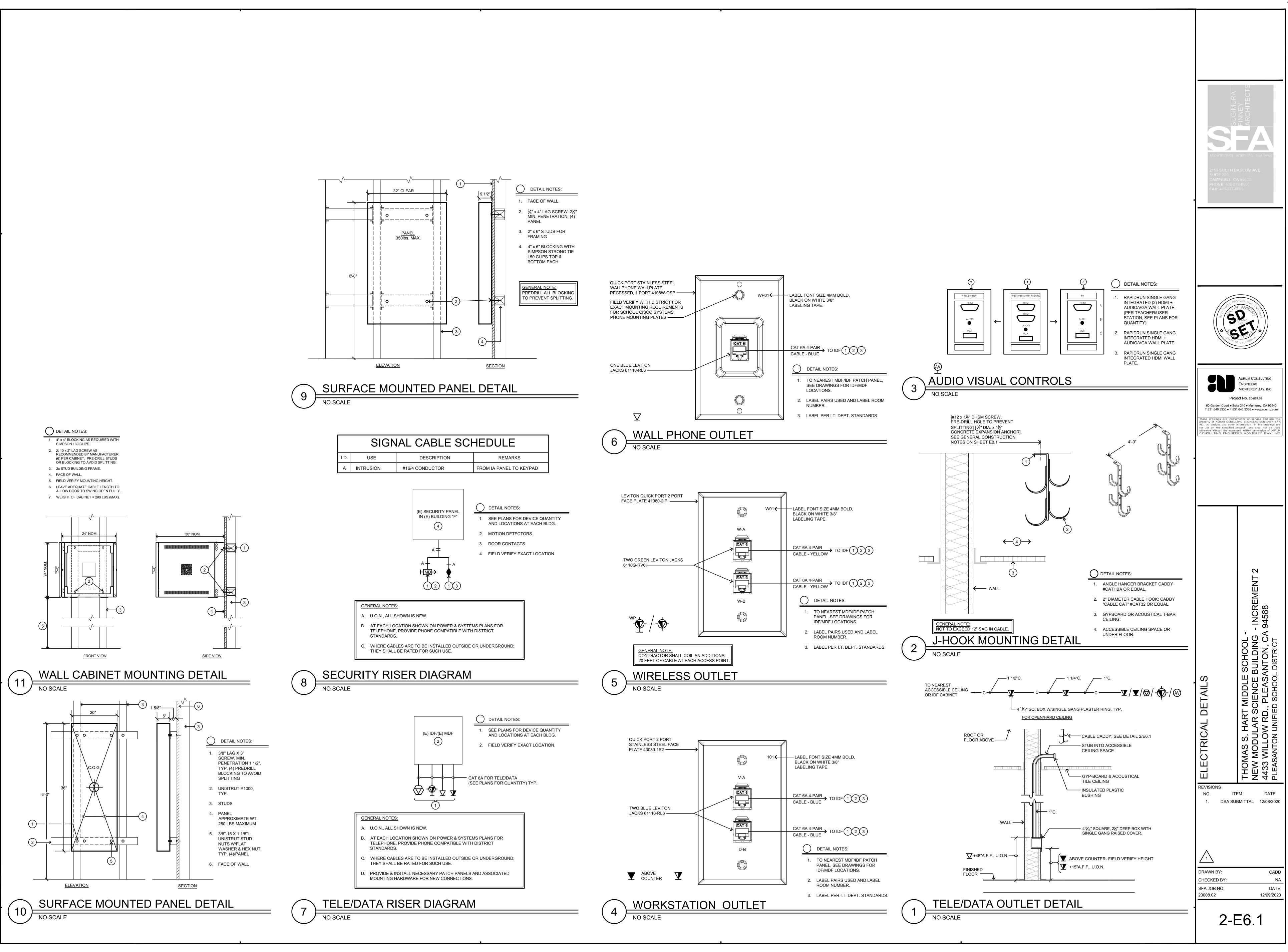
2. WALLWASH LIGHT FIXTURE FOR WHITEBOARD.

BRANCH CIF	CUIT CONDU	JCTOR SIZIN			
CIRCUIT AMPACITY/VOLTAGE	CIRCUIT LENGTH	REQUIRE			
20/120	56'-90'	½"C., 2 #10 & 1 ;			
20/120	91'-140'	½"C., 2#8 & 1#			
20/277	131'-205'	½" C., 2 #10 & 1 ;			
20/277	206'-330'	½"C., 2#8 & 1#			
NOTE: CONTRACTOR SHALL SIZE BRANCH CIRCUIT CONDUCTOF TABLE ABOVE AS DETERMINED BY THE CIRCUIT CONDUC U.O.N. CONTRACTOR SHALL SPLICE TO #12 AWG WITHIN BOX FOR DEVICE CONNECTION IF NECESSARY.					

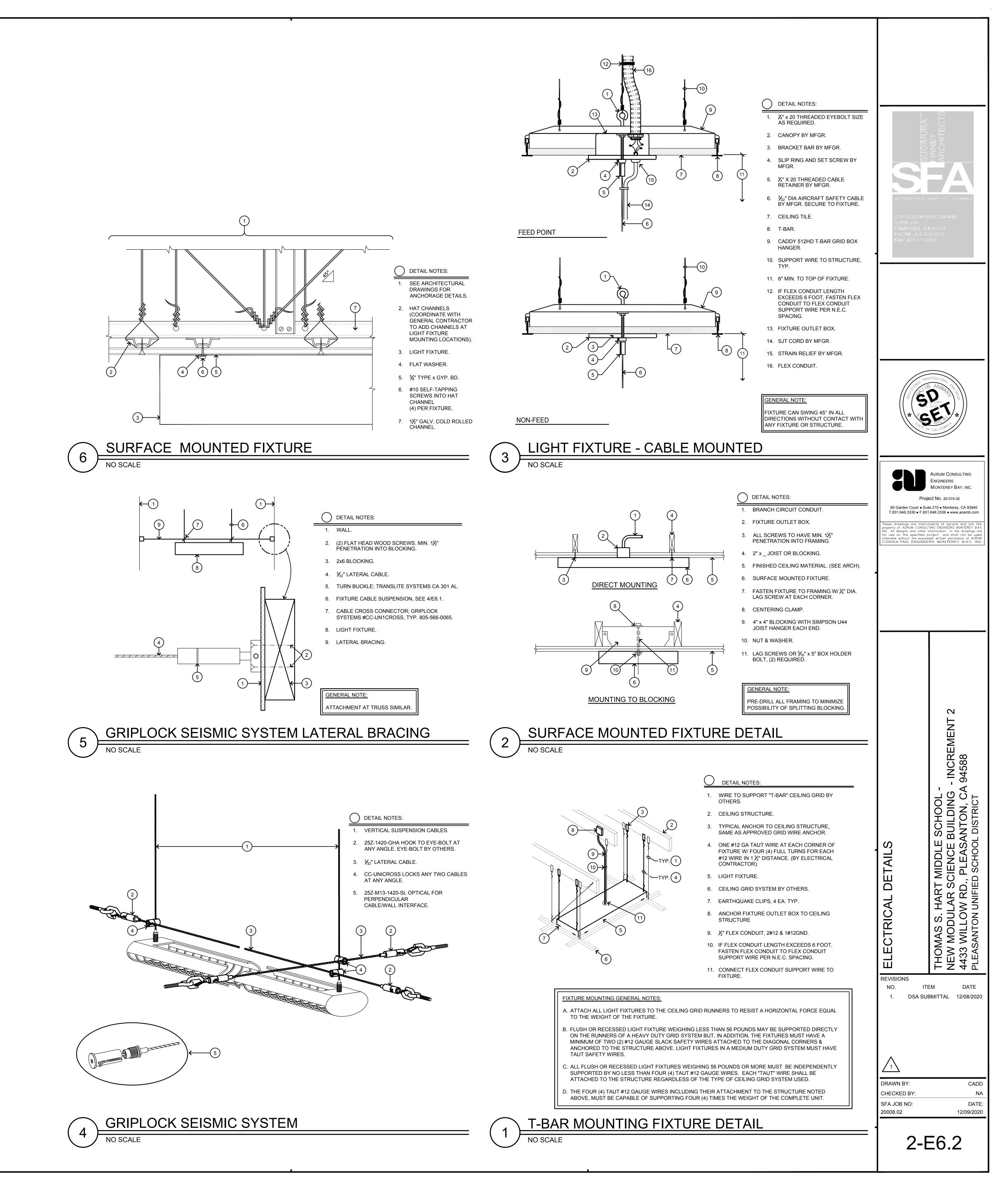
GENERAL NOTE:

SEAL ALL EXTERIOR/INTERIOR BUILDING PENETRATIONS, CUT AND PATCH WALLS/CEILINGS FOR CONDUIT ROUTING AS NECESSARY. PAINT/FINISH EXPOSED CONDUITS/BOXES TO MATCH BUILDING FINISH. COORDINATE WITH ARCHITECT FOR EXACT REQUIREMENTS.

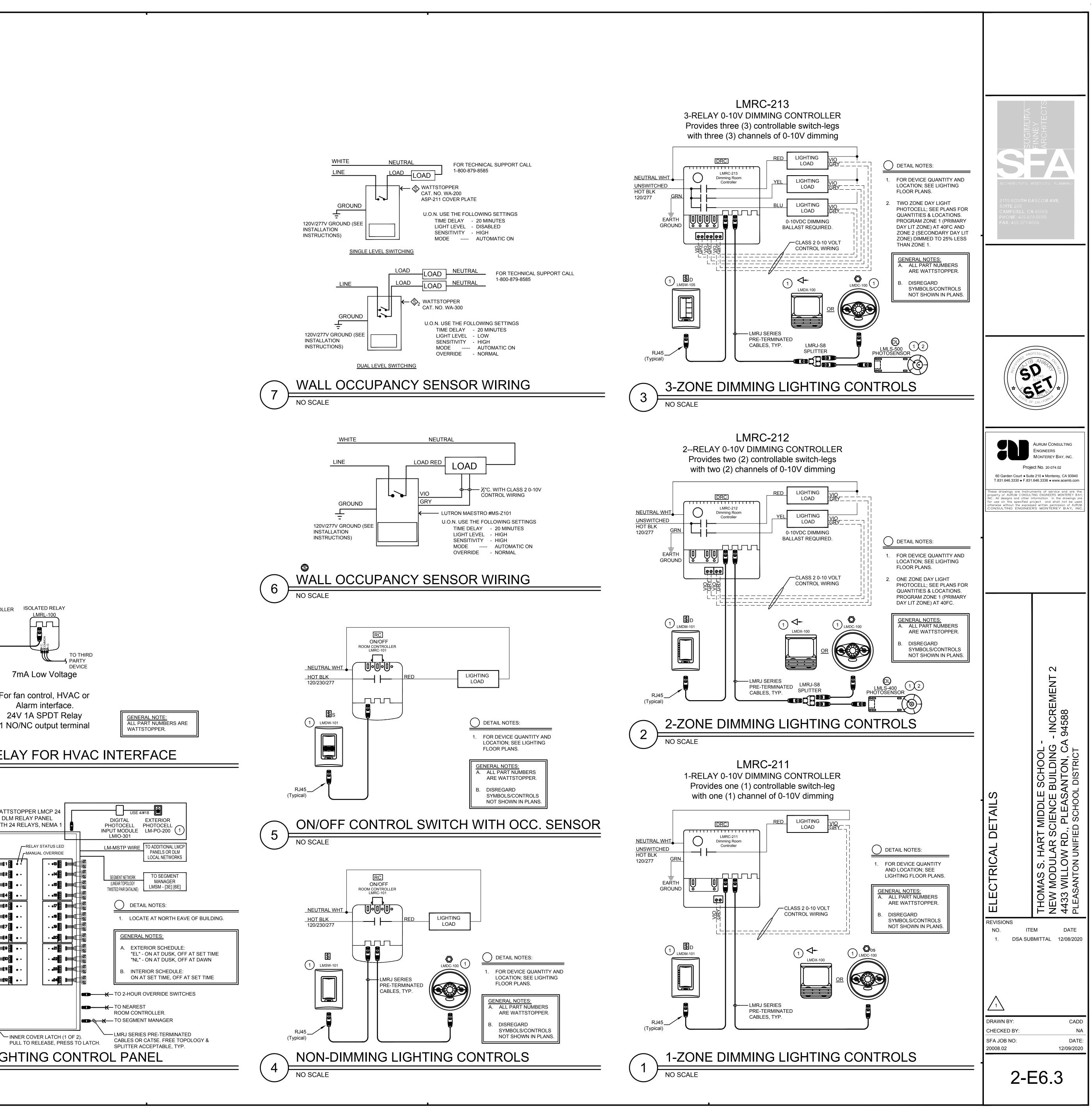


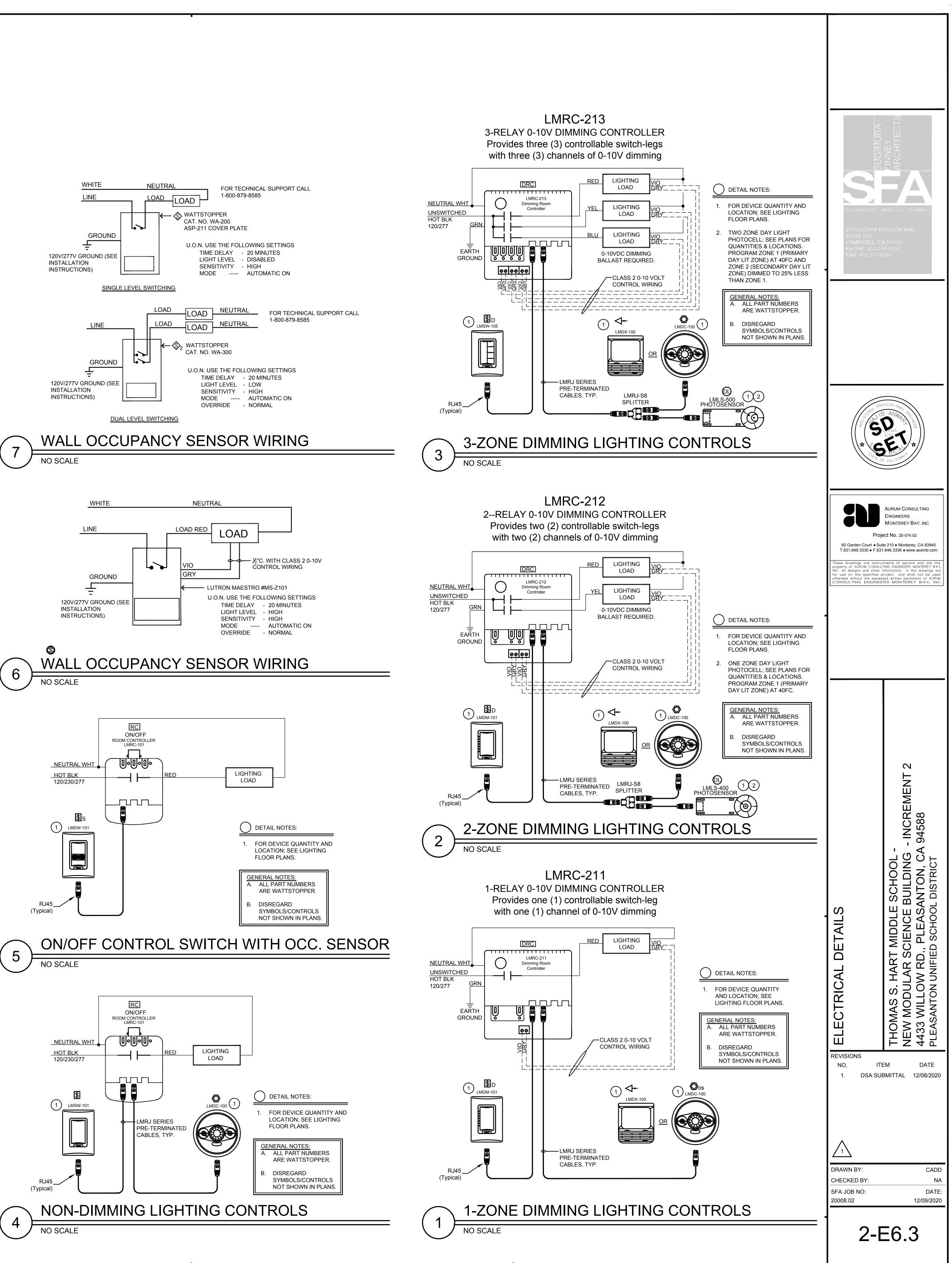


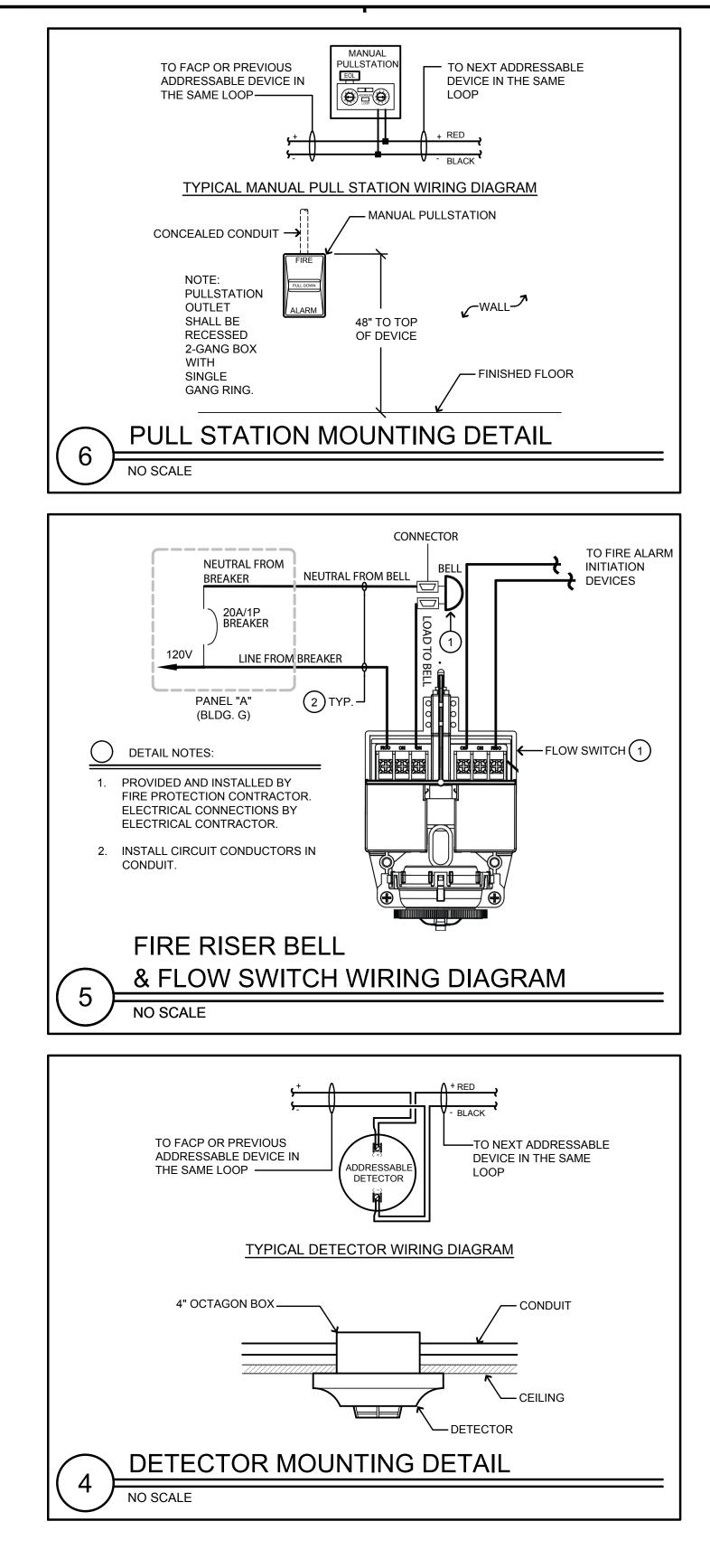
# **PYRIGHT © 2020**



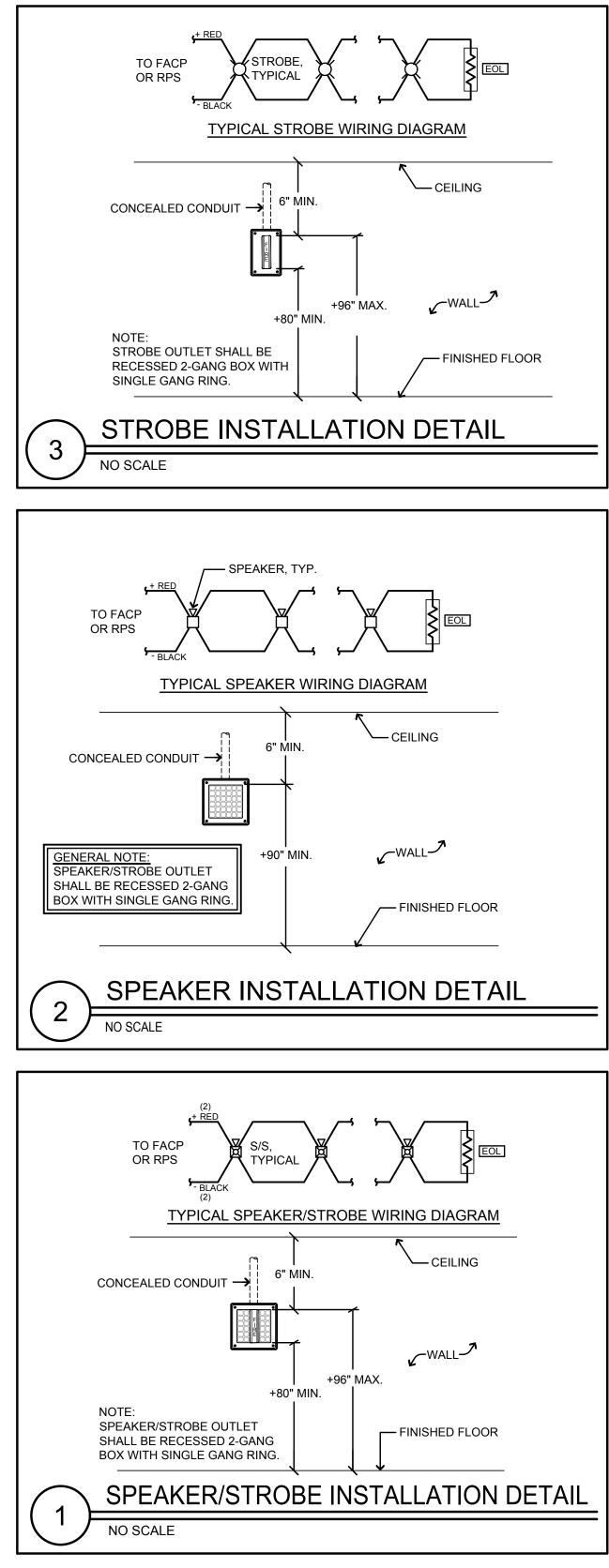
	CONNECT TO DIMMING ROOM CONTROLLE IN SPACE
	Fo 2 1 N
	9 ISOLATED REL NO SCALE
	WATT DL WITH
20	GROUND NEUTRAL EITHER 120 OR 277
COPYRIGHT © 2020	8 OUTDOOR LIG NO SCALE



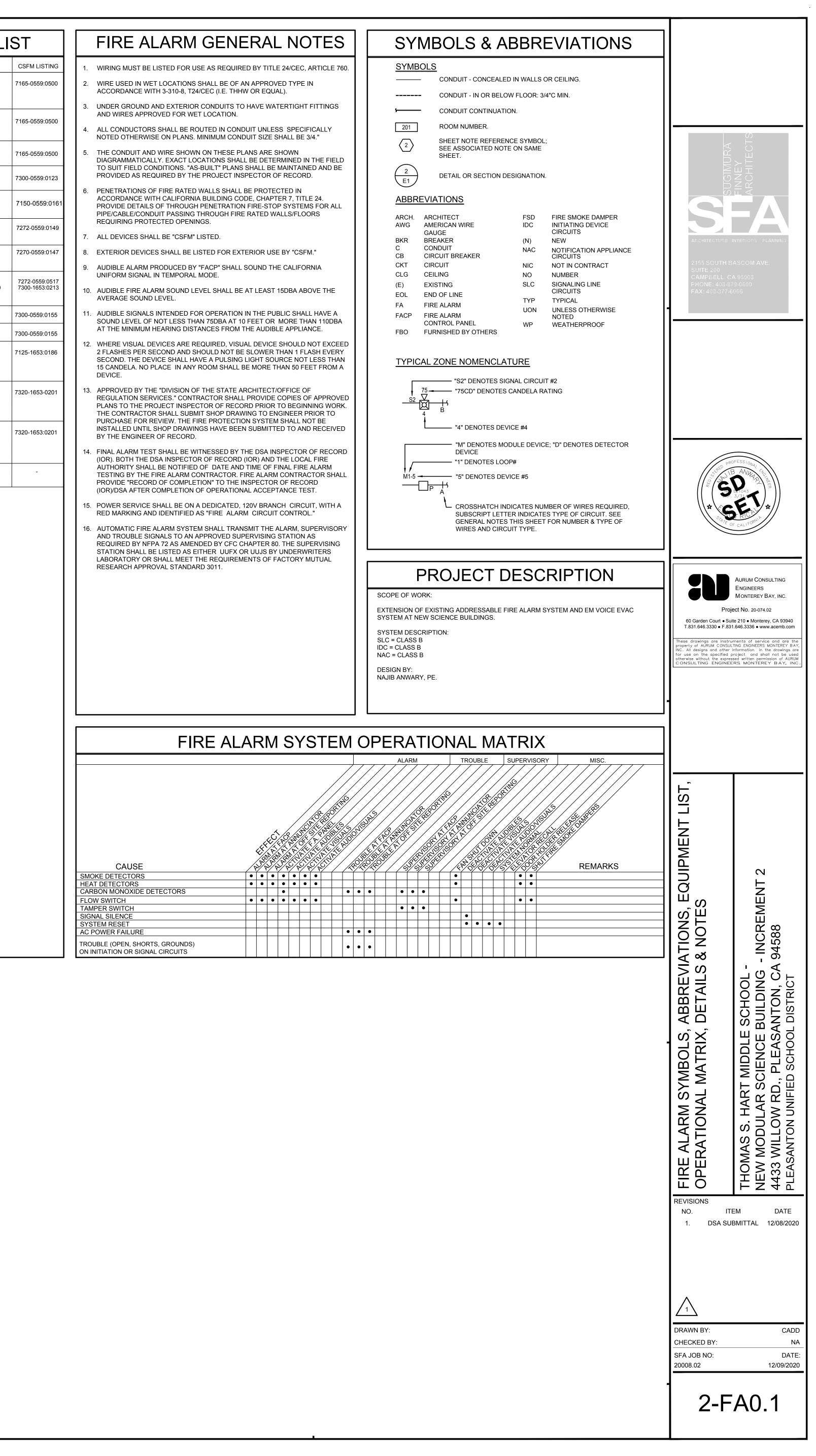


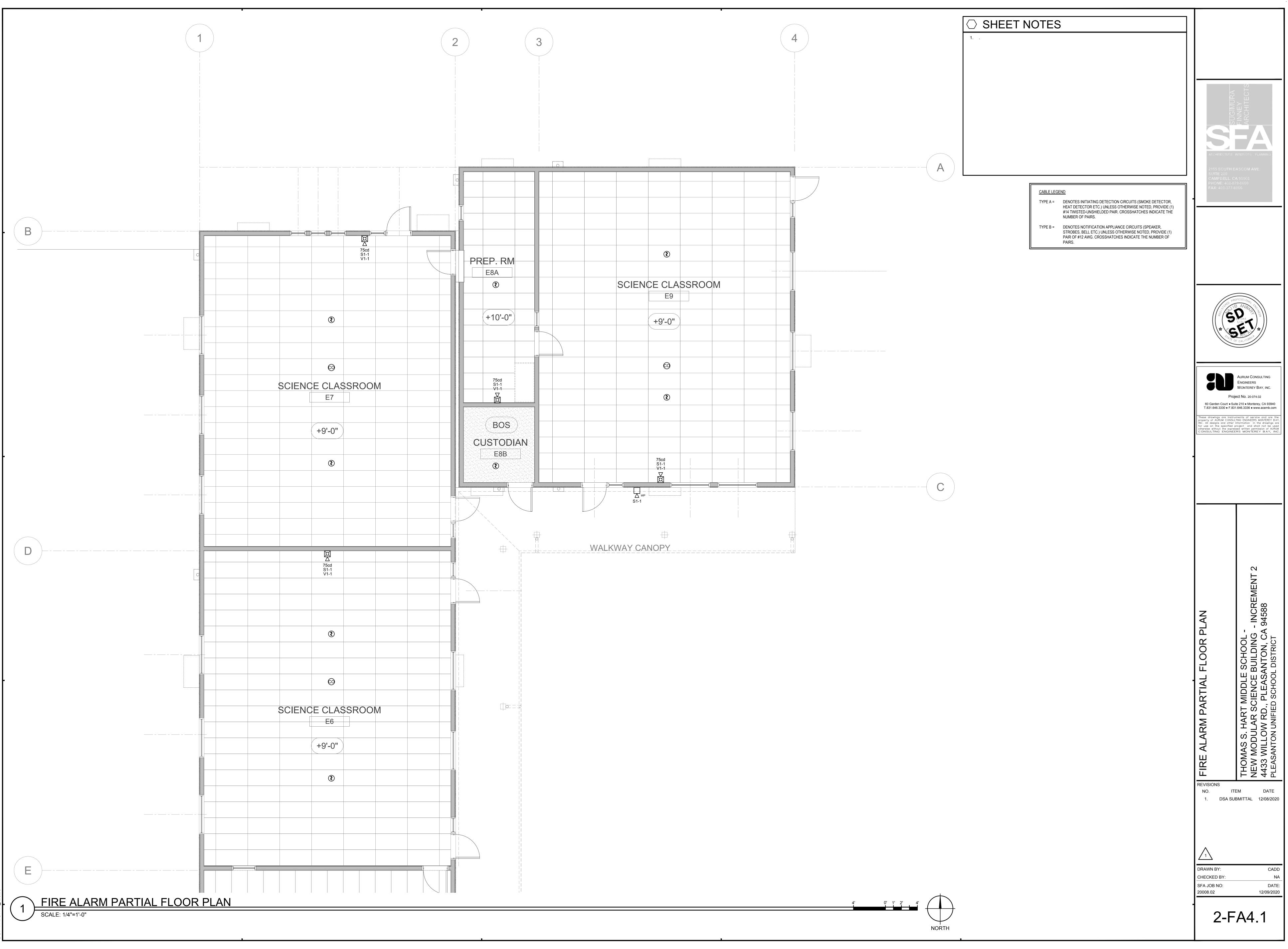




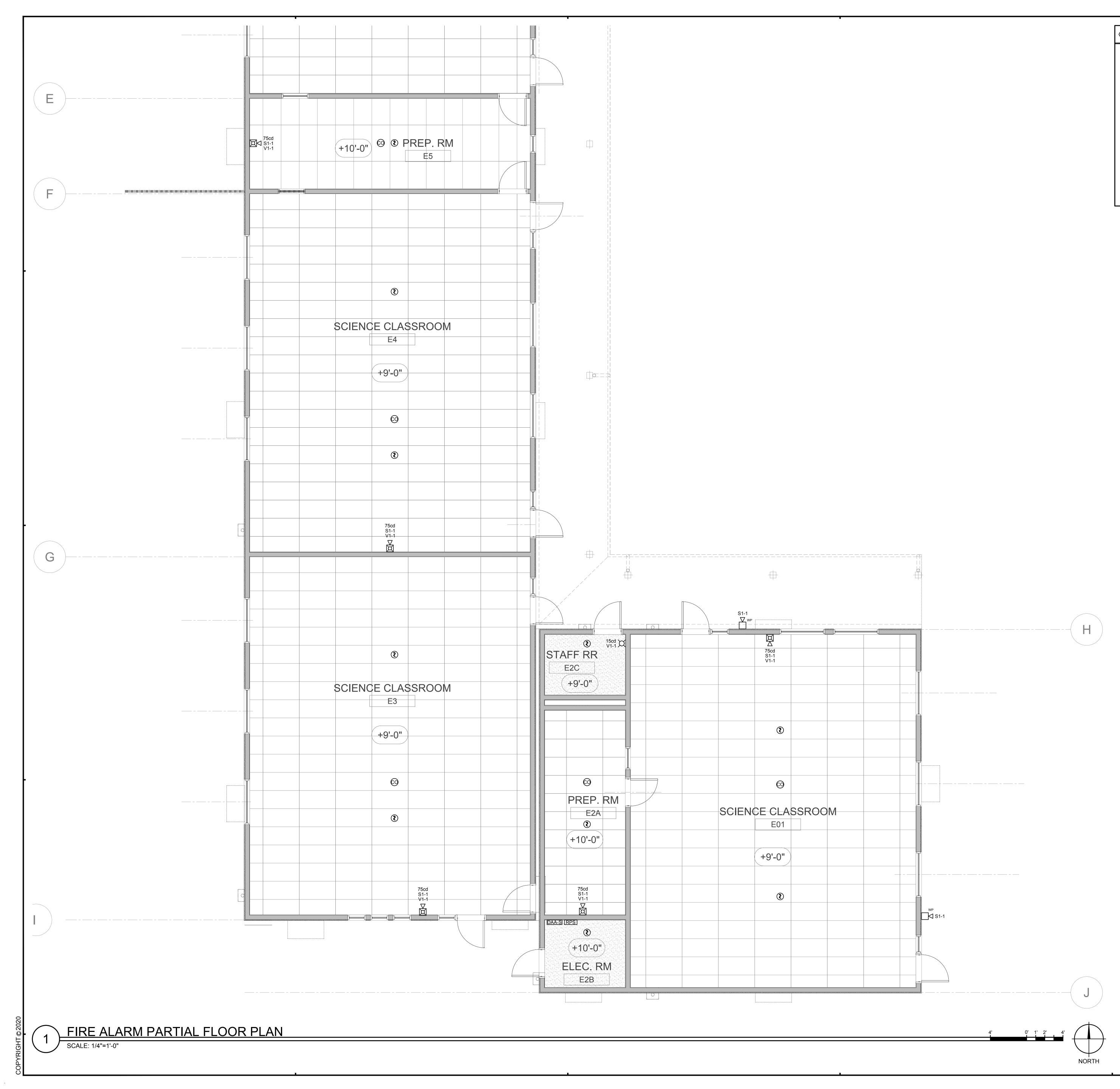


F	IRE ALARM EQUIP	MENT L
SYMBOL	DESCRIPTION AND MODEL NUMBER	MFGR'S PART No.
FACP	EXISTING ADDRESSABLE FIRE ALARM CONTROL PANEL AND EMERGENCY MASS NOTIFICATION SYSTEM. SILENT KNIGHT 6520EVS SERIES. (SEE BATTERY CALCULATIONS FOR SIZE OF BATTERIES REQUIRED.)	6820EVS
ANN	EXISTING FIRE ALARM REMOTE ANNUNCIATOR, SILENT KNIGHT EVS SERIES.	6860-EVS
[VAMP]	VOICE EVACUATION SYSTEM, SILENT KNIGHT EVS-125W SERIES.	EVS-125W
RPS	POWER MODULE SUPPLY, SILENT KNIGHT 5495 SERIES.	5495
ПР	ADDRESSABLE MANUAL PULLSTATION. SILENT KNIGHT SK-PULL-DA SERIES.	SK-PULL-DA
3	ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR AND BASE, SILENT KNIGHT SK-PHOTO SERIES.	SK-PHOTO
€	ADDRESSABLE THERMAL HEAT DETECTOR AND BASE, SILENT KNIGHT SK-HEAT SERIES.	SK-HEAT
Ø	ADDRESSABLE ADVANCED MULTI-CRITERIA SMOKE AND CARBON MONOXIDE DETECTOR WITH SOUNDER BASE SILENT KNIGHT SK-FIRE-CO-W SERIES.	SK-FIRE-CO-W B200S-WH (BASE)
Μ	ADDRESSABLE MONITOR MODULE, SILENT KNIGHT SK-MONITOR SERIES.	SK-MONITOR
С	ADDRESSABLE CONTROL MODULE, SILENT KNIGHT SK-RELAY SERIES.	SK-RELAY
¤	WALL MOUNTED MULTI-CANDELA STROBE WITH FIELD SELECTABLE CANDELA SETTINGS OF 15/30/75/110cd, SYSTEM SENSOR SPECTRALERT SERIES.	SR
V ⊠	WALL MOUNTED MULTI-CANDELA SPEAKER/STROBE WITH FIELD SELECTABLE CANDELA SETTINGS OF 15/30/75/110cd, SYSTEM SENSOR SPECTRALERT SERIES.	SPSR
	WALL MOUNTED WEATHERPROOF SPEAKER, SYSTEM SENSOR SPECTRALRERT SERIES.	SPRK
EOL	END OF LINE DEVICE.	-





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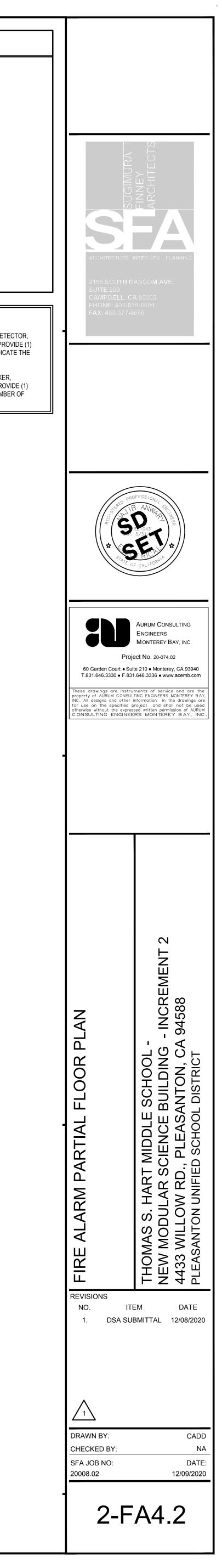


## ○ SHEET NOTES

CABLE LEGEND

PAIRS.

TYPE A = DENOTES INITIATING DETECTION CIRCUITS (SMOKE DETECTOR, HEAT DETECTOR ETC.) UNLESS OTHERWISE NOTED, PROVIDE (1) #14 TWISTED-UNSHIELDED PAIR. CROSSHATCHES INDICATE THE NUMBER OF PAIRS. TYPE B = DENOTES NOTIFICATION APPLIANCE CIRCUITS (SPEAKER, STROBES, BELL ETC.) UNLESS OTHERWISE NOTED, PROVIDE (1) PAIR OF #12 AWG. CROSSHATCHES INDICATE THE NUMBER OF



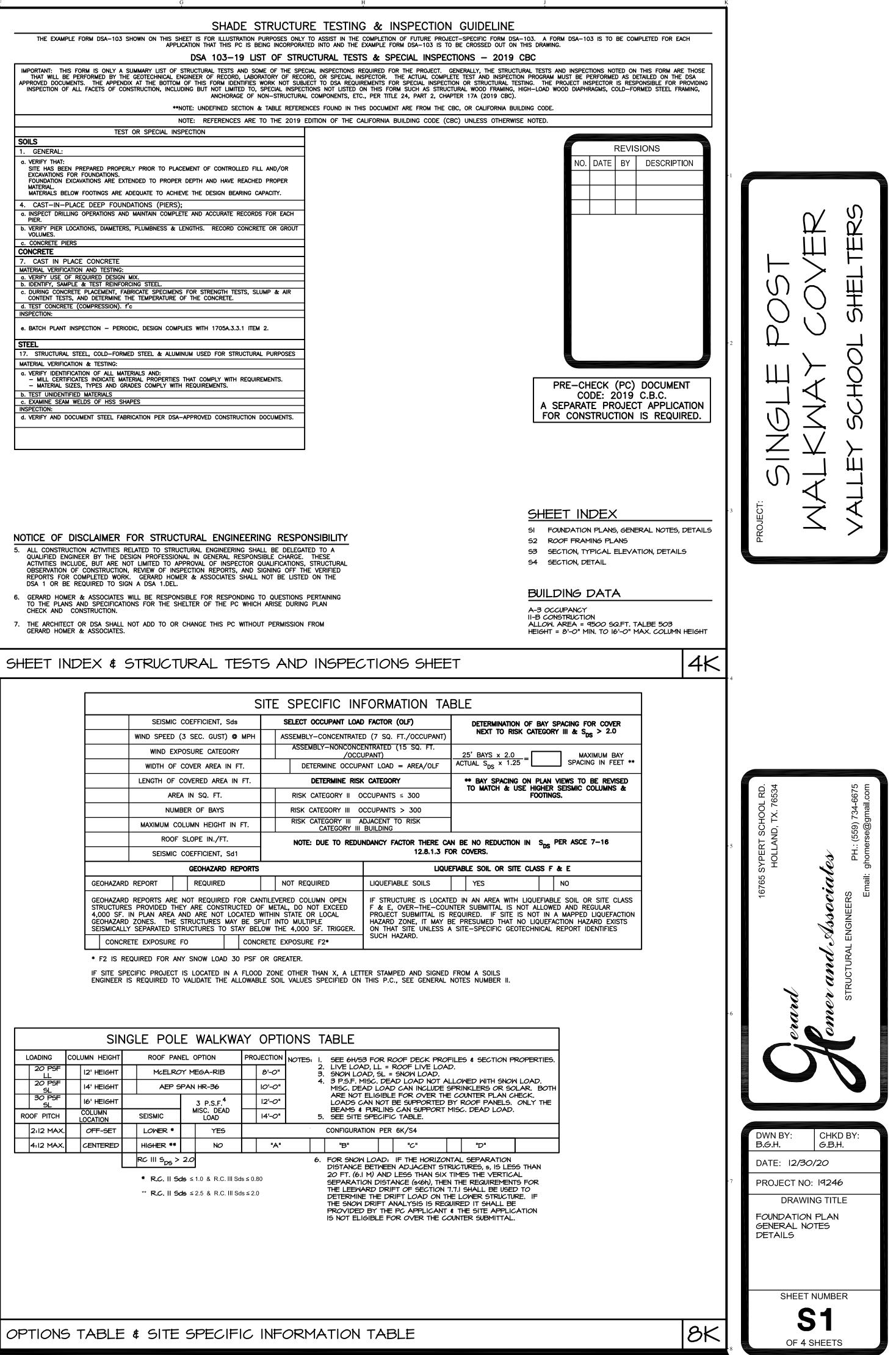
GENERAL NOTES	FOUNDATION NOTES
<section-header></section-header>	<ul> <li>POUNDATION NOTES</li> <li>AL FOOTINGS SHALL EXTEND TO FIRM ERAMING IN UNDETUGED SOL OF ENGINE NORMAL MEETING 25 COMPACIDING INCOMENTATION FLAT THE 252 COMPACIDING INCOMENTATION FOR LOCATION AND EXCITUTE OF EXCITEMENT WARRAWS.</li> <li>S. MARKA AND REPARAT. THE HALL DELUDING NO SANAL BETT THE 257 COMPACIDING INCOMENTATION FOR LOCATION AND EXCITATION OF CHEMICAL DEVELOPE OF INCOMENTIAL PROPERTY INCOMENT.</li> <li>S. BARCHLL DE ONT BACCHT APOUND THE COMPARIST ENDINGE THE AND THE ADDRESS AND EXCITATION OF THE ADDRESS AND EXCITATION ADDRESS AND EXCITATION ADDRESS AND EXCITATION OF THE ADDR</li></ul>
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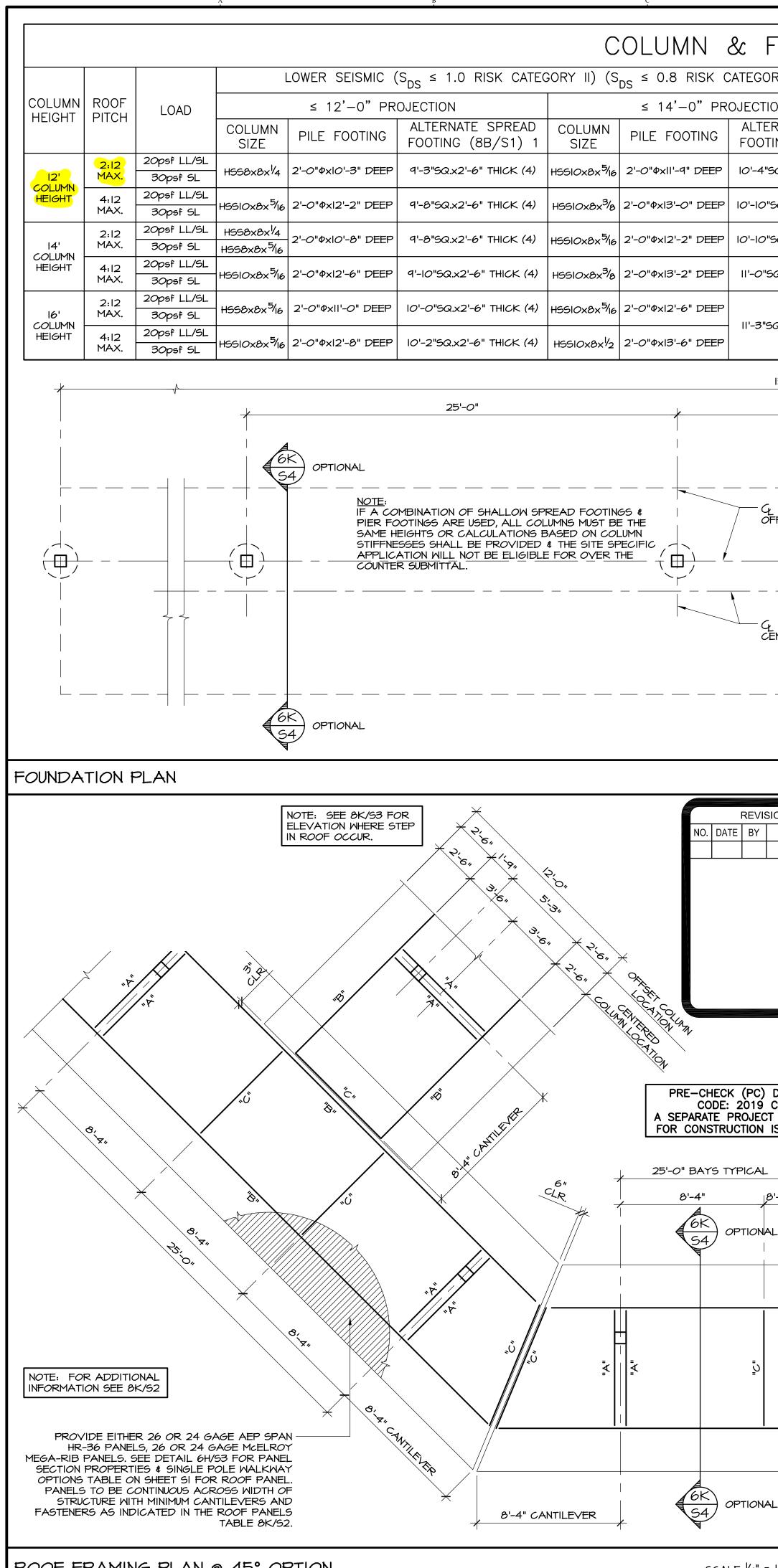
OPTIONAL SPREAD FOOTING SCALE 1/2" = 1'-0" 8B @ ADDITIONAL COST

	STRUCTURAL STEEL NOTES	SHADE STRUCT
SINEERED FILL.	<ol> <li>ALL STRUCTURAL STEEL EXCEPT W SHAPES SHALL CONFORM TO ASTM A-36 AND SHALL BE FABRICATED AND ERECTED AS PER AISC SPECIFICATIONS FOR BUILDINGS. W SHAPES SHALL CONFORM TO ASTM A992.</li> </ol>	THE EXAMPLE FORM DSA-103 SHOWN ON THIS SHEET IS FOR ILLUSTRATION PURPOSES O APPLICATION THAT THIS PC IS BEING INCORP
REQUIREMENTS. ALL	2. STRUCTURAL PIPE SHALL CONFORM TO ASTM A-53 GRADE "B" AND STRUCTURAL TUBING SHALL	DSA 103-19 LIST OF ST
) FROM THE SITE. WAYS.	CONFORM TO ASTM A-500 GRADE "B", Fy=46KSI. 3. ALL LIGHT GAGE STEEL TO CONFORM TO ASTM A653 GRADE 55 FOR ALL STRUCTURAL SHAPES, A653	IMPORTANT: THIS FORM IS ONLY A SUMMARY LIST OF STRUCTURAL TESTS AND SOME OF THE THAT WILL BE PERFORMED BY THE GEOTECHNICAL ENGINEER OF RECORD, LABORATORY OF R APPROVED DOCUMENTS. THE APPENDIX AT THE BOTTOM OF THIS FORM IDENTIFIES WORK NOT S
BE SECURELY	GRADE 33 FOR ALL BLOCKING, FLASHINGS, MISCELLANEOUS CONNECTION PLATES, AND ANGLES.	INSPECTION OF ALL FACETS OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO, SPECIAL INS ANCHORAGE OF NON-STRUCTION
	4. ALL UNFINISHED BOLTS SHALL BE ASTM A-307 UNLESS NOTED OTHERWISE.	**NOTE: UNDEFINED SECTION & TABLE REF
DESIGN AND PROVIDE TION OF THIS	5. USE AISC USUAL GAGES FOR BOLT HOLES IN ALL STEEL SECTIONS UNLESS OTHERWISE NOTED.	NOTE: REFERENCES ARE TO THE 20
EMENTS IN PLACE	6. THE STEEL FABRICATOR SHALL PROVIDE ADEQUATE TEMPORARY BRACING FOR ERECTION.	TEST OR SPECIAL INSPECTION SOILS
PROCEDURES AND FOR CORDANCE WITH THE	7. ALL BOLT HOLES ARE TO BE $1_{16}^{\prime}$ oversized. All bolts shall have washers installed under both head & nut.	1. GENERAL: a. VERIFY THAT:
AFTER THE WALLS ARE ABS ARE CONCRETE, S. DO NOT BACKFILL	8. ALL STEEL SHALL BE PROTECTED FROM WEATHER AS FOLLOWS: STRUCTURAL STEEL SHALL BE HOT-DIP GALVANIZED (MIMIMUN ASTM A123 OR A153, CLASS D) OR PAINTED WITH ZINC-RICH PRIMER, UNDERCOAT, AND FINISH COAT; OR EQUIVALENT PAINT SYSTEM. COLD-FORMED STEEL MEMBERS SHALL BE 55% ALUMINUM-ZINC ALLOY COATED PER ASTM A792/A792M STANDARD IN ACCORDANCE TO AISI S200 TABLE A4-1, CP 90 COATING DESIGNATION.	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. MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.
	ALL EXPOSED STEEL FASTENERS, INCLUDING CAST-IN-PLACE ANCHOR BOLTS/RODS, SHALL BE	<ul> <li>4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS);</li> <li>a. INSPECT DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH</li> </ul>
/INGS SHALL BE	STAINLESS STEEL (TYPE 304 MINIMUM), HOT–DIP GALVANIZED (ASTM A153, CLASS D MINIMUM), OR PROTECTED WITH CORROSION–PREVENTIVE COATING THAT DEMONSTRATED NO MORE THAN 2% OF RED RUST IN MINIMUM 1,000 HOURS OF EXPOSURE IN SALT SPRAY TEST PER ASTM B117. ZINC–PLATED	PIER. b. VERIFY PIER LOCATIONS, DIAMETERS, PLUMBNESS & LENGTHS. RECORD CONCRETE OR GROU VOLUMES.
	FASTENERS DO NOT COMPLY WITH THIS REQUIREMENT. (EXAMPLE PROPRIETARY COATINGS THAT DO COMPLY WITH THE 1,000 HOUR REQUIREMENT INCLUDE BUT ARE NOT NECESSARILY LIMITED TO: QUIK	c. CONCRETE PIERS
BE IN PLACE AND	GUARD BY SIMPSON, KWIK-COTE BY HILTI, STALGARD BY ELCO, VISTACORR BY SFS INTEC, ETC.)	CONCRETE       7. CAST IN PLACE CONCRETE
PLUMBING FIXTURES.	GOVERNING CODES:	MATERIAL VERIFICATION AND TESTING:
SLABS UNLESS	1. 2019 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR).	<ul> <li>a. VERIFY USE OF REQUIRED DESIGN MIX.</li> <li>b. IDENTIFY, SAMPLE &amp; TEST REINFORCING STEEL.</li> </ul>
		c. DURING CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, SLUMP & AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.
AND LOCATED AS NOT	2. 2019 CALIFORNIA BUILDING CODE, VOLUMES 1 & 2 (PART 2, TITLE 24, CCR).	d. TEST CONCRETE (COMPRESSION). f'c
DR TRANSFER OF L OBTAIN THE	3. 2019 CALIFORNIA ELECTRICAL CODE (PART 3, TITLE 24, CCR).	INSPECTION:
SLAB, BEAMS AND	4. 2019 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CCR).	e. BATCH PLANT INSPECTION - PERIODIC, DESIGN COMPLIES WITH 1705A.3.3.1 ITEM 2.
	NOTES	STEEL
2 EXCEPT ITEMS NOT	1. COVERS ARE NOT DESIGNED TO BE ENCLOSED OR FOR STORAGE OF COMBUSTIBLE MATERIALS.	17. STRUCTURAL STEEL, COLD-FORMED STEEL & ALUMINUM USED FOR STRUCTURAL PURPOSES
TM A615.	<ol> <li>WALKWAY COVER HAS BEEN CHECKED FOR OBSTRUCTED WIND FLOW CONDITION &amp; CAN BE WITHIN 6" MIN. FROM AN EXISTING BUILDING.</li> </ol>	MATERIAL VERIFICATION & TESTING: a. VERIFY IDENTIFICATION OF ALL MATERIALS AND: — MILL CERTIFICATES INDICATE MATERIAL PROPERTIES THAT COMPLY WITH REQUIREMENTS.
	3. WALKWAY PIER FOOTING HAS BEEN CHECKED FOR D.S.A. BULLETIN 09-06 REV	- MATERIAL SIZES, TYPES AND GRADES COMPLY WITH REQUIREMENTS. b. TEST UNIDENTIFIED MATERIALS
IS LARGER.	4. ALL WORK SHALL COMPLY WITH C.F.C. CHAPTER 33 DURING CONSTRUCTION.	c. EXAMINE SEAM WELDS OF HSS SHAPES INSPECTION:
	TESTING & INSPECTIONS REQUIRMENTS	d. VERIFY AND DOCUMENT STEEL FABRICATION PER DSA-APPROVED CONSTRUCTION DOCUMENTS.
1/2"	1. INSPECTOR CLASS (MINIMUM REQUIREMENTS) CLASS 2	
9	2. SELECTION OF THE PROJECT INSPECTOR AND TESTING AGENCY BY THE SCHOOL DISTRICT AND APPROVED BY D.S.A., A/E OF RECORD AND STRUCTURAL ENGINEER	
	3. COST OF THE PROJECT INSPECTOR (CA ADMIN. CODE 4-333(B) AND TESTING AGENCY (CA ADMIN. CODE 4-335) BY THE SCHOOL DISTRICT	
	4. COPIES OF THE REPORT TO ARCHITECT; STRUCTURAL ENGINEER; SCHOOL DISTRICT; D.S.A. (ORIGINAL); IOR; MANUFACTURER	
	NOTICE OF DISCLAIMER FOR STRUCTURAL ENGINEERING RESPONSIBILITY	
: MINIMUM AIR	DER TITLE 24, PART 1, SECTION 4-316 (D & E) OF THE CALIFORNIA CODE OF REGULATIONS, THE DISTRICT SHALL HIRE AN ARCHITECT OR STRUCTURAL ENGINEER TO BE IN GENERAL RESPONSIBLE CHARGE OF SITE SPECIFIC PROJECT.	5. ALL CONSTRUCTION ACTIVITIES RELATED TO STRUCTURAL ENGINEERING RES QUALIFIED ENGINEER BY THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHAR
T, INCLUDING REVIEW	2. FOR SITE SPECIFIC PROJECT GERARD HOMER & ASSOCIATES IS NOT THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE.	ACTIVITIES INCLUDE, BUT ARE NOT LIMITED TO APPROVAL OF INSPECTOR QUALIFICATIO OBSERVATION OF CONSTRUCTION, REVIEW OF INSPECTION REPORTS, AND SIGNING OFF REPORTS FOR COMPLETED WORK. GERARD HOMER & ASSOCIATES SHALL NOT BE LI
ND THAWING CYCLES, MASS 20.10%, SHALL	3. FOR SITE SPECIFIC PROJECT GERARD HOMER & ASSOCIATES RESPONSIBILITY IS LIMITED TO THE PREPARATION OF PLANS AND SPECIFICATIONS FOR A PORTION OF THE PROJECT AS DESIGNED BY THE ARCHITECT FOR INCORPORATION INTO THE PROJECT.	<ul> <li>DSA 1 OR BE REQUIRED TO SIGN A DSA 1.DEL.</li> <li>6. GERARD HOMER &amp; ASSOCIATES WILL BE RESPONSIBLE FOR RESPONDING TO QUESTIO TO THE PLANS AND SPECIFICATIONS FOR THE SHELTER OF THE PC WHICH ARISE DU</li> </ul>
	<ol> <li>STRUCTURAL OBSERVATION OF CONSTRUCTION IS SPECIFICALLY EXCLUDED FROM GERARD HOMER &amp; ASSOCIATES RESPONSIBILITY FOR SITE SPECIFIC PROJECT.</li> </ol>	CHECK AND CONSTRUCTION. 7. THE ARCHITECT OR DSA SHALL NOT ADD TO OR CHANGE THIS PC WITHOUT PERMISSI GERARD HOMER & ASSOCIATES

GERARD HOMER & ASSOCIATES.

SEISMIC COEFFICIENT, Sds WIND SPEED (3 SEC. GUST) @ MPH WIND EXPOSURE CATEGORY WIDTH OF COVER AREA IN FT. LENGTH OF COVERED AREA IN FT. AREA IN SQ. FT. NUMBER OF BAYS MAXIMUM COLUMN HEIGHT IN FT. ROOF SLOPE IN./FT. SEISMIC COEFFICIENT, Sd1 GEOHAZARD REPORTS GEOHAZARD REPORT REQUIRED GEOHAZARD REPORTS ARE NOT REQUIRED FOR CANTILEVERED COLUMN OPEN STRUCTURES PROVIDED THEY ARE CONSTRUCTED OF METAL, DO NOT EXCEED 4,000 SF. IN PLAN AREA AND ARE NOT LOCATED WITHIN STATE OR LOCAL GEOHAZARD ZONES. THE STRUCTURES MAY BE SPLIT INTO MULTIPLE SEISMICALLY SEPARATED STRUCTURES TO STAY BELOW THE 4,000 SF. TRIGGER. CONCRETE EXPOSURE F2\* CONCRETE EXPOSURE FO \* F2 IS REQUIRED FOR ANY SNOW LOAD 30 PSF OR GREATER. SINGLE POLE WALKWAY OPTIONS TABLE PROJECTION NOTES: I. LOADING COLUMN HEIGHT ROOF PANEL OPTION 20 PSF MCELROY MEGA-RIB 12' HEIGHT 8'-0" 20 P5F 14' HEIGHT AEP SPAN HR-36 10'-0" 5L 30 PSF 16' HEIGHT 3 P.S.F.<sup>4</sup> 12'-0" MISC. DEAD COLUMN 14'-0" ROOF PITCH SEISMIC LOAD LOCATION OFF-SET LOWER \* 2:12 MAX. YES "A" 4:12 MAX. CENTERED HIGHER \*\* NO RC III S<sub>DS</sub> > 2.0 \* **R.C. II Sds** ≤ 1.0 & R.C. III Sds ≤ 0.80 \*\* **R.C. II Sds** ≤ 2.5 & R.C. III Sds ≤ 2.0



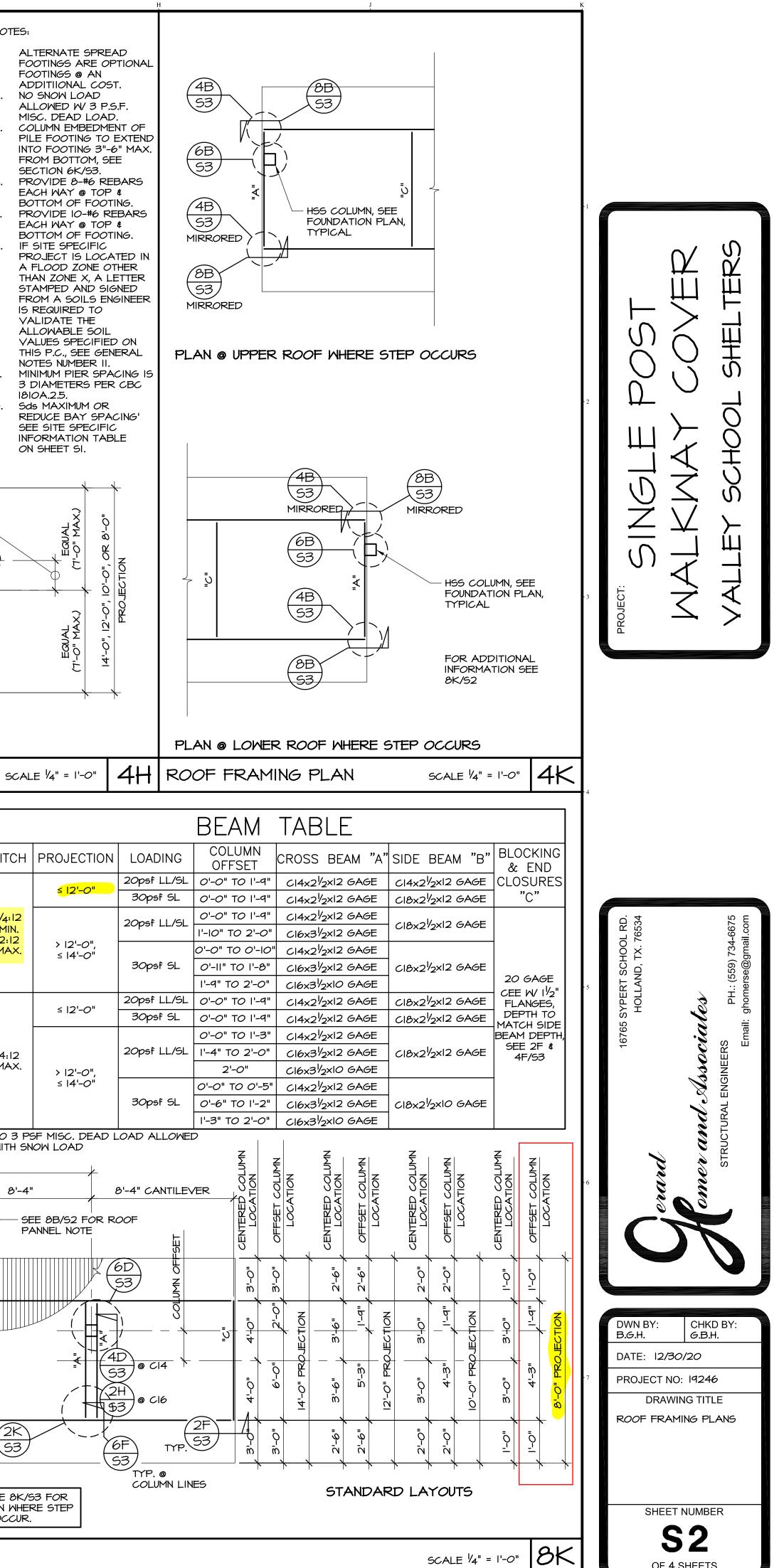


ROOF FRAMING PLAN @ 45° OPTION

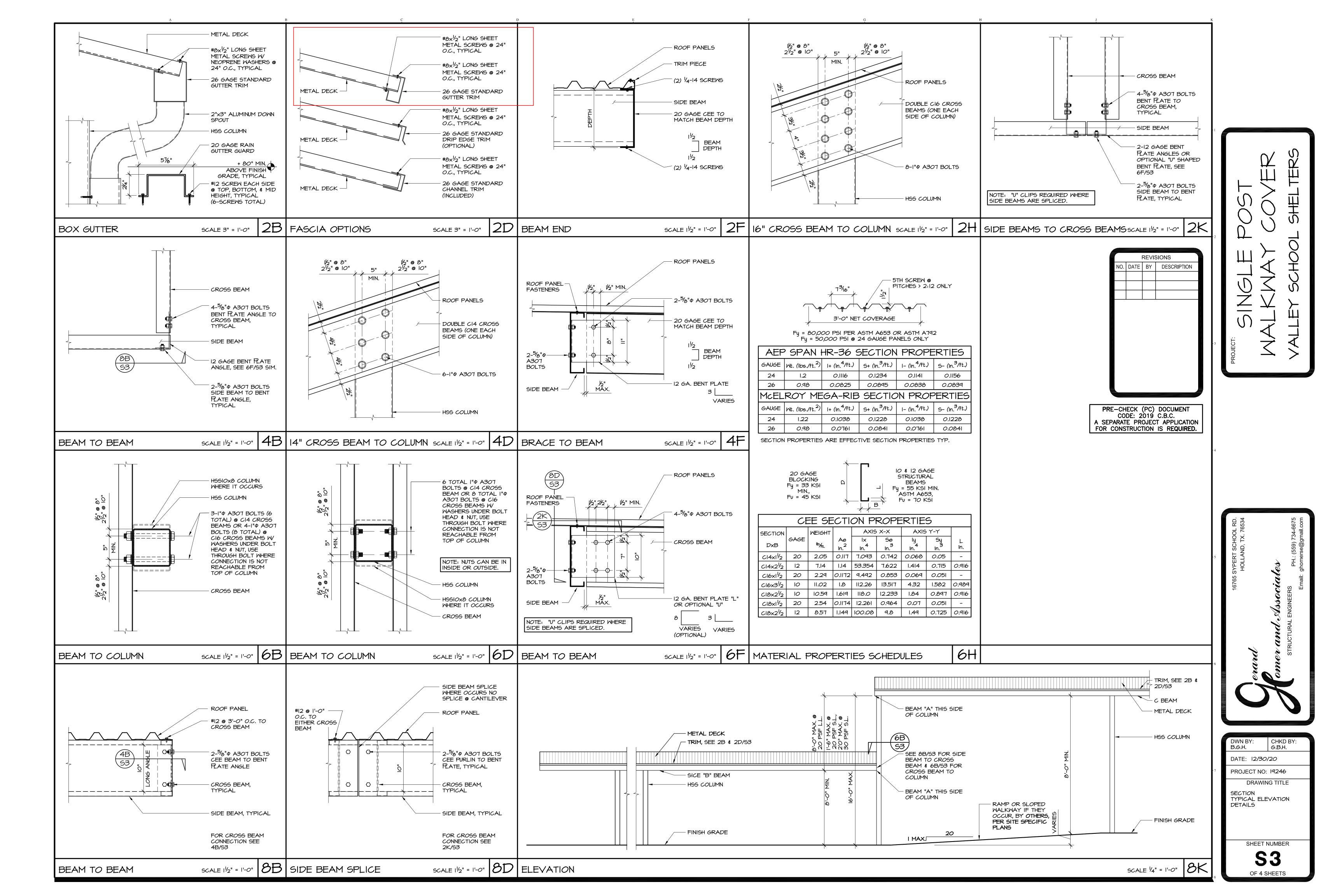
SCALE 1/4" = |

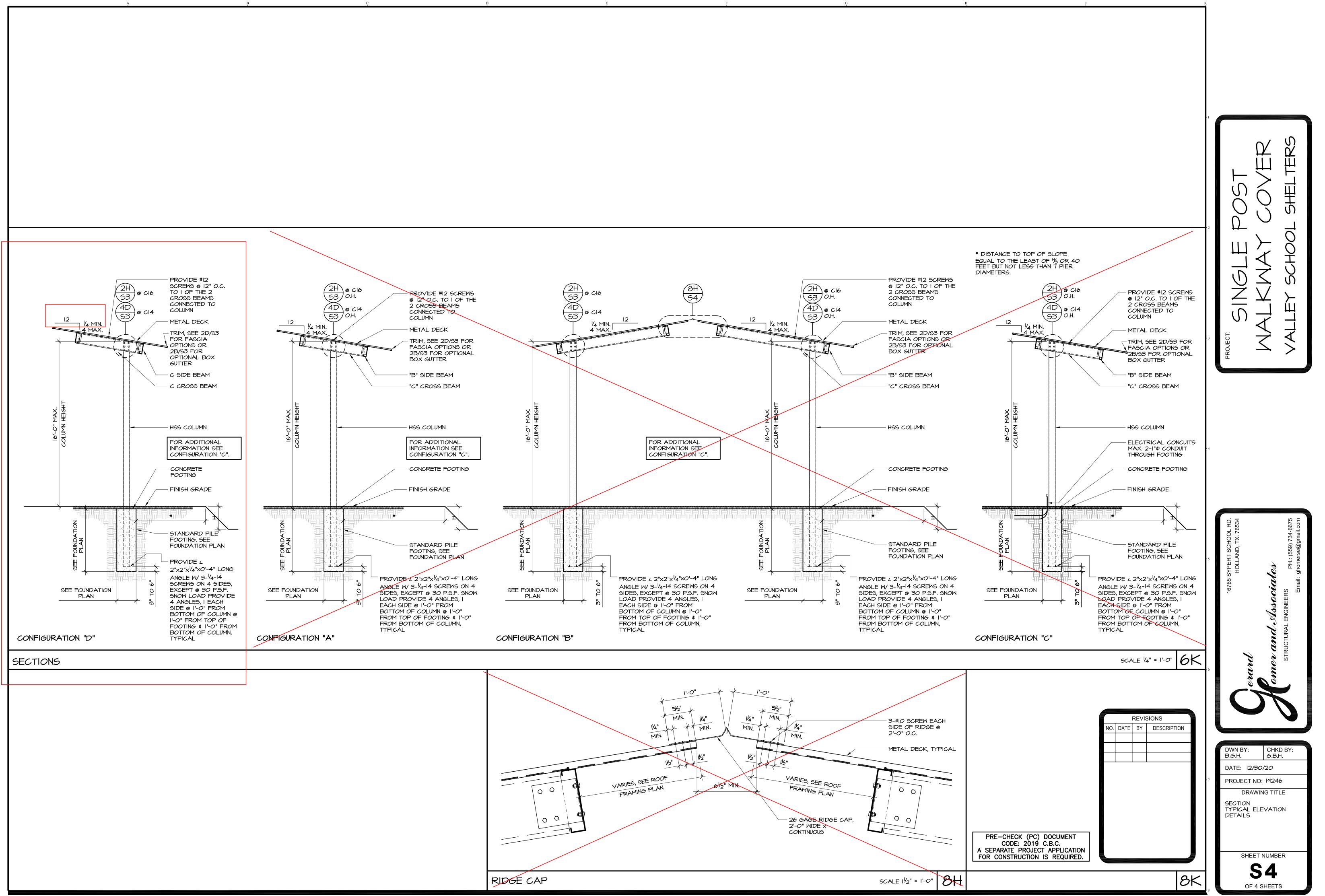
D			E			F	G		
								<u></u> N <i>O</i> <sup>.</sup>	TES:
FOOTING	TABL	- (NOTE 6)						١.	ALTERNA FOOTINGS
DRY III)	HIG	HER SEISMIC (S	<sub>DS</sub> ≤ 2.5 RIS	K CATEGO	RY II) (S <sub>DS</sub>	$\leq$ 2.0 RISK CA	TEGORY III) (8)	2.	FOOTINGS ADDITIION NO SNOW
ON		≤ 12'-0" PR	OJECTION			≤ 14'-0" PR	OJECTION	- <u>-</u>	ALLOWED MISC. DEA
RNATE SPREAD ING (8B/S1) 1	COLUMN SIZE	PILE FOOTING	ALTERNATE FOOTING (8		COLUMN SIZE	PILE FOOTING	ALTERNATE SPREAD FOOTING (8B/S1) 1	3.	COLUMN E PILE FOO INTO FOO
5Q.x2'-6" THICK (4)	HSS8x8x <sup>5/</sup> 16	2'-0"\$XII'-10" DEEP	10'-6"5Q.x2'-6	" THICK (4)	HSSIOx8x <sup>5/</sup> 16	2'-0"\$x 3'-2" DEEP	11'-4"5Q.x2'-6" THICK (5)	4.	FROM BO SECTION ( PROVIDE EACH WA
'5Q.x2'-6" THICK (4)	H5510x8x <sup>5</sup> /16	2'-0"\$x12'-2" DEEP			HSSIOx8x <sup>3</sup> /8			5.	BOTTOM ( PROVIDE EACH WAY
'5Q.x2'-6" THICK (4)	HSS8x8x <sup>5/</sup> 16	2'-0"\$x12'-3" DEEP	11'-0"5Q.x2'-6'	' THICK (5)	45510×8× <sup>3</sup> /2	2'-0"\$x 3'-6" DEEP	11'-10"5Q.x2'-6" THICK (5)	6.	BOTTOM ( IF SITE SF PROJECT
5Q.x2'-6" THICK (5)	HSSIOx8x <sup>5</sup> /16	2'-0"\$x12'-6" DEEP							A FLOOD THAN ZON STAMPED
5Q.x2'-6" THICK (5)	H5510x8x <sup>5</sup> /16	2'-0"\$x12'-8" DEEP	II'-4"5Q.x2'-6"	' THICK (5)		2'-0"\$x14'-0" DEEP	12'-4"5Q.x2'-6" THICK (5)		FROM A S IS REQUIR VALIDATE
		2'-0"\$x12'-8" DEEP	11 1 50.22 0						ALLOWAB VALUES S THIS P.C.,
150' MAX.								7.	NOTES NUI MINIMUM F 3 DIAMET
25'- <i>0</i> " E	BAYS TYPICAL		ما			25'-0"	0 0 1 4 1 4 1 4 1 4 1 4	8.	1810A.2.5. Sds MAXII
	T BE REDUCE						Д — — — — — — — — — — — — — — — — — — —		REDUCE E SEE SITE INFORMAT
SEE SITE SPEC BAY SPACING					E OF ROOF DI	ECK			ON SHEET
COLUMN & FOOTING								   	
		   					— — — — — — — — — — — — — — — — — — —		
		i-		i i					$ \longrightarrow $
COLUMN & FOOTING		 				FOOTING, TYP., OOTING SCHEDULE			Ļ.
ENTERED COLUMN LC	JUATION			SEE		EAD FOOTINGS, OOTING SCHEDULE			EQUAL
								J	

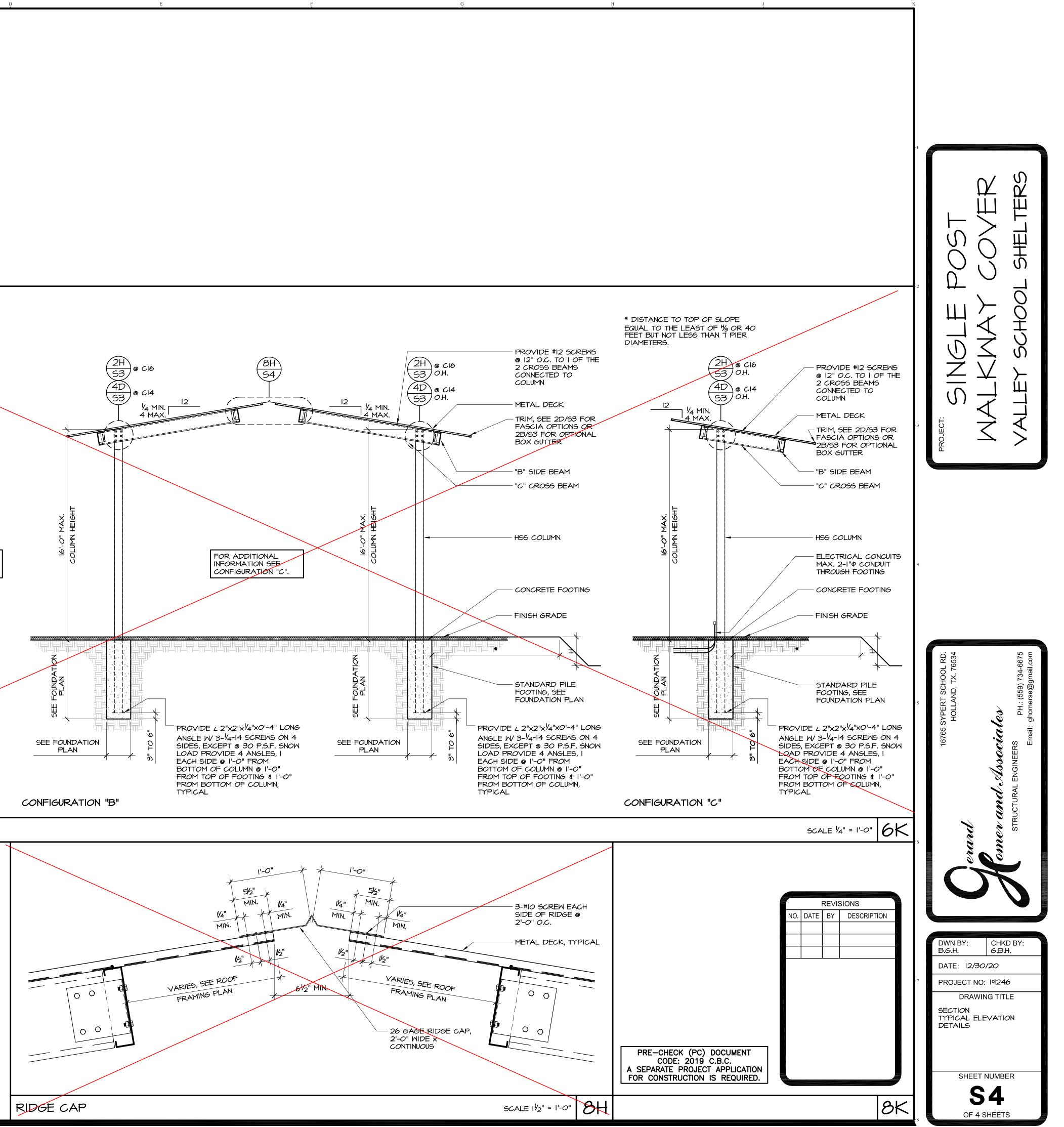
									-L '4 <sup>-</sup> '
ONS DESCRIPTION			ROOF	PANEL	TABLE	(1, 3, 4, & 6)			
	ROOF PITCH	LOAD	CANTILEVER	MINIMUM REQUIRED CANTILEVER LENGTHS @ 7'-0" CENTER SPAN (3)	MINIMUM REQUIRED CANTILEVER LENGTHS © 8'-0" CENTER SPAN (3 & 5)	SCREWS PER PAI PER SUPPORT		PITCH	PROJE ≤ 12
	2:12 <sup>2</sup> MAX.	20psf LL/SL 30psf SL 20psf LL/SL	NO CANTILEVER REQUIRED	I'-0" MIN. I'-8" MIN. I'-6" MIN.	0'-6" MIN. I'-8" MIN. I'-4" MIN.	(4)- #12-14x1" LONG <sup>1</sup> / <sub>2</sub> "Φ TWINSEAL WASH	ERS	1/4:12 MIN. 2:12	>  2'
	4:12 MAX. I. SEE	30psf SL	0'-8" MIN.	2'-0" MIN. 5 AND 6H/53 FOR P	2'-0" MIN.	(5)- #12-14x1" LONG ½"Φ TWINSEAL WASH RTIES.		MAX.	≤  4
		I 12 MINIMUM.							≤ I2
DOCUMENT C.B.C. APPLICATION S REQUIRED.	MUS <sup>-</sup> 4. LENC 5. MUS <sup>-</sup> 6. MAX	T MEET THE MI GTHS OF CANT T USE 24 GAGI (IMUM ALLOWA	NIMUM REQUIRED CA ILEVERS MUST BE E E ROOF PANEL OPT BLE CANTILEVER A	ANTILEVER LENGTHE EQUAL EACH SIDE, T TIONS @ 8'-0" CENTE	5. YPICAL. ER SPAN LAYOUT C PANELS IS 3'-0". IN	DW, THE ROOF PANELS DPTION. N NO CASE SHALL THE		4:12 MAX.	> l2' ≤ l4
		(BAYS MA	25'-0" BAYS TYPICA AY BE REDUCED) CA E REDUCED PROPOR	ANTILEVER BAY SI	TE SPECIFIC TABLE PACING IN HIGH SE	ISMIC AREA.	AYS TYPICAL		SF MISC. IOW LOAI
-4"	<u>8'-4"</u>	-'8 -'NIX -9	- <b>4"</b>	8'-4"	8'-4"		8'-4"		E 88/52 ANNEL NC
				8D 53 "B"	HSS COLL FOUNDATI TYPICAL	IMN, SEE ION PLAN,			
			<u>°</u>	= ∢ =		") "	<u>v</u>		=
		MAX. COLUM EXISTING BUI OPTIONS TAI	N HEIGHT & 9" MIN. ILDING @ 16'-6" MA>	EXISTING BUILDING BUILDING SEPARATI (. COLUMN HEIGHT. DITIONAL SEPERATIO DAD.	SEE	LINES	ELEV	2K 53 : SEE 8K/S ATION WHER OF OCCUR.	RE STEP
1'- <i>0</i> " 88	R <i>00</i> F	FRAMING	PLANS						



OF 4 SHEETS









# FABRIC SHADE STRUCTURE DSA P.C. 04-117140

#### SITE SPECIFIC APPLICATION TITLE SHEET SHALL INCLUDE:

#### APPLICABLE CODES

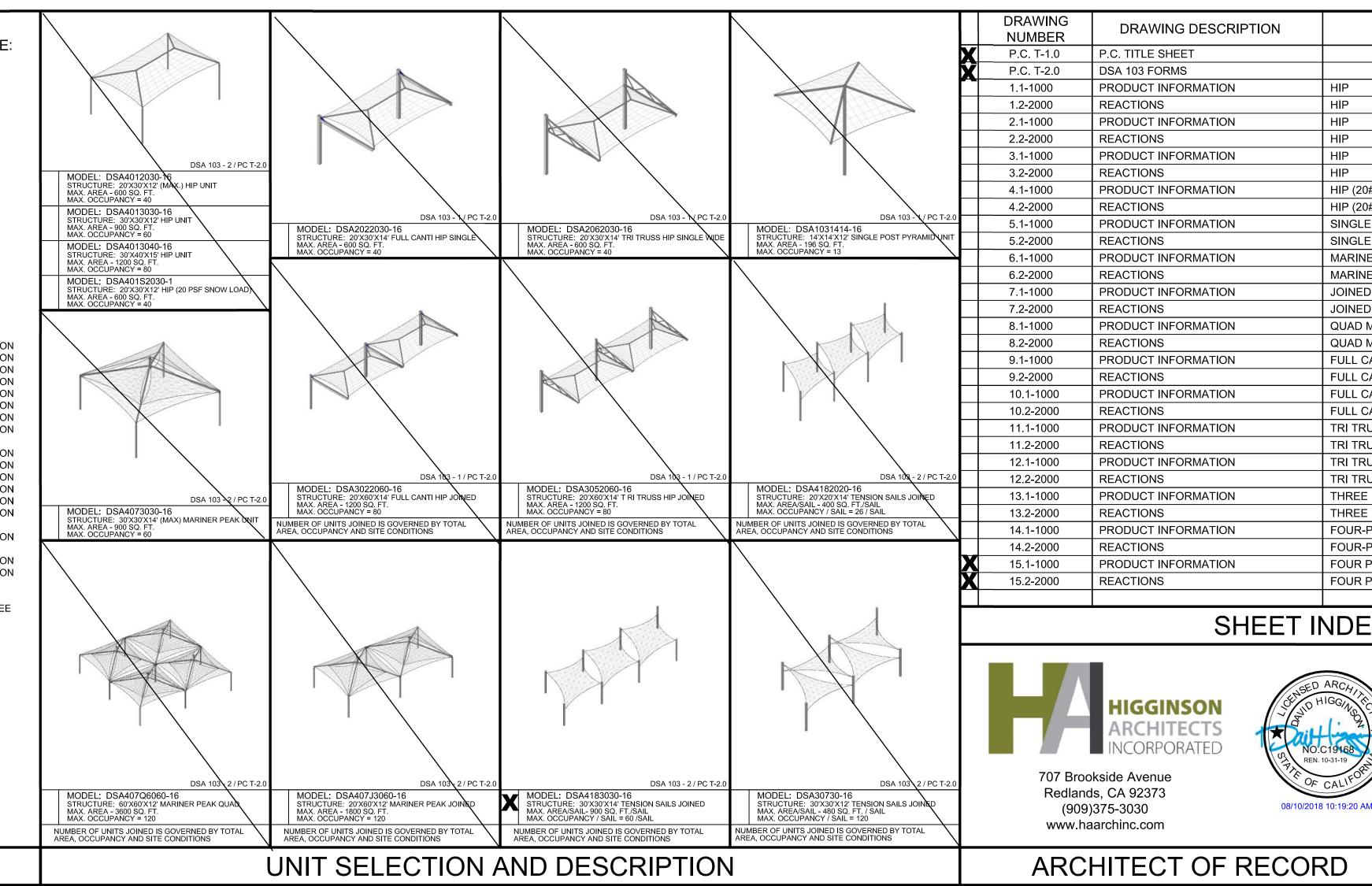
- 2016 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R. \*
   2016 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. (2015 INTERNATIONAL BUILDING CODE VOLUMES 1-2 AND 2016 CALIFORNIA AMENDMENTS)
- 2016 CALIFORNIA ELECTRICAL CODE (CEC) , PART 3, TITLE 24 C.C.R.
- (2014 NATIONAL ELECTRICAL CODE AND 2016 CALIFORNIA AMENDMENTS)
  2016 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
- 2018 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R. (2015 UNIFORM MECHANICAL CODE AND 2016 CALIFORNIA AMENDMENTS)
- 2016 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
- (2015 UNIFORM PLUMBING CODE AND 2016 CALIFORNIA AMENDMENTS) • 2016 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R. \*
- 2016 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (2015 INTERNATIONAL FIRE CODE AND 2016 CALIFORNIA AMENDMENTS)
- 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 C.C.R.
   2016 CALIFORNIA DEFERENCED STANDARDS, DART 10, TITLE 24 C.C.R.
- 2016 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
  TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
  2013 ASME A17.1 SAFETY CODE FOR ELEVATORS AND ESCALATORS
- PARTIAL LIST OF APPLICABLE STANDARDS

NFPA 13	AUTOMATIC FIRE SPRINKLER SYSTEMS	2016 EDITION
NFPA 14	STANDPIPE AND HOSE SYSTEMS	2013 EDITION
NFPA 17	DRY CHEMICAL EXTINGUISHING SYSTEMS	2013 EDITION
NFPA 17a	WET CHEMICAL EXTINGUISHING SYSTEMS	2013 EDITION
NFPA 20	STATIONARY PUMPS FOR FIRE PROTECTION	2016 EDITION
NFPA 22	WATER TANKS FOR PRIVATE FIRE PROTECTION	2013 EDITION
NFPA 24	PRIVATE FIRE MAINS & THEIR APPURTENANCES	2016 EDITION
NFPA 25	STANDARD FOR INSPECTION, TESTING AND MAINTENANCE	2013 EDITION
	OF WATER-BASED FIRE PROTECTION SYSTEMS	
NFPA 72	NATIONAL FIRE ALARM & SIGNALING CODE	2016 EDITION
NFPA 80	FIRE DOORS AND OTHER OPENING PROTECTIVES	2016 EDITION
NFPA 92	STANDARD FOR SMOKE CONTROL SYSTEMS	2015 EDITION
NFPA 253	CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS	2015 EDITION
NFPA 2001	CLEAN AGENT FIRE EXTINGUISHING SYSTEMS	2015 EDITION
ICC 300	ICC STANDARDS ON BLEACHERS, FOLDING AND	2012 EDITION
	TELESCOPING SEATING, AND GRAND STANDS	
UL 300	FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS	2005 EDITION
	FOR PROTECTION OF RESTAURANT COOKING AREAS	
UL 464	AUDIBLE SIGNAL APPLIANCES	2003 EDITION
UL521	HEAT DETECTORS FOR FIRE PROTECTIVE	1999 EDITION
	SIGNALING SYSTEMS	

REFERENCE CODE SECTION FOR NFPA STANDARDS-2016 CBC (SFM) CHAPTER 35. SEE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS.

SEE INDIVIDUAL STRUCTURAL DRAWINGS FOR SPECIFIC DESIGN NOTES AND LOADING.

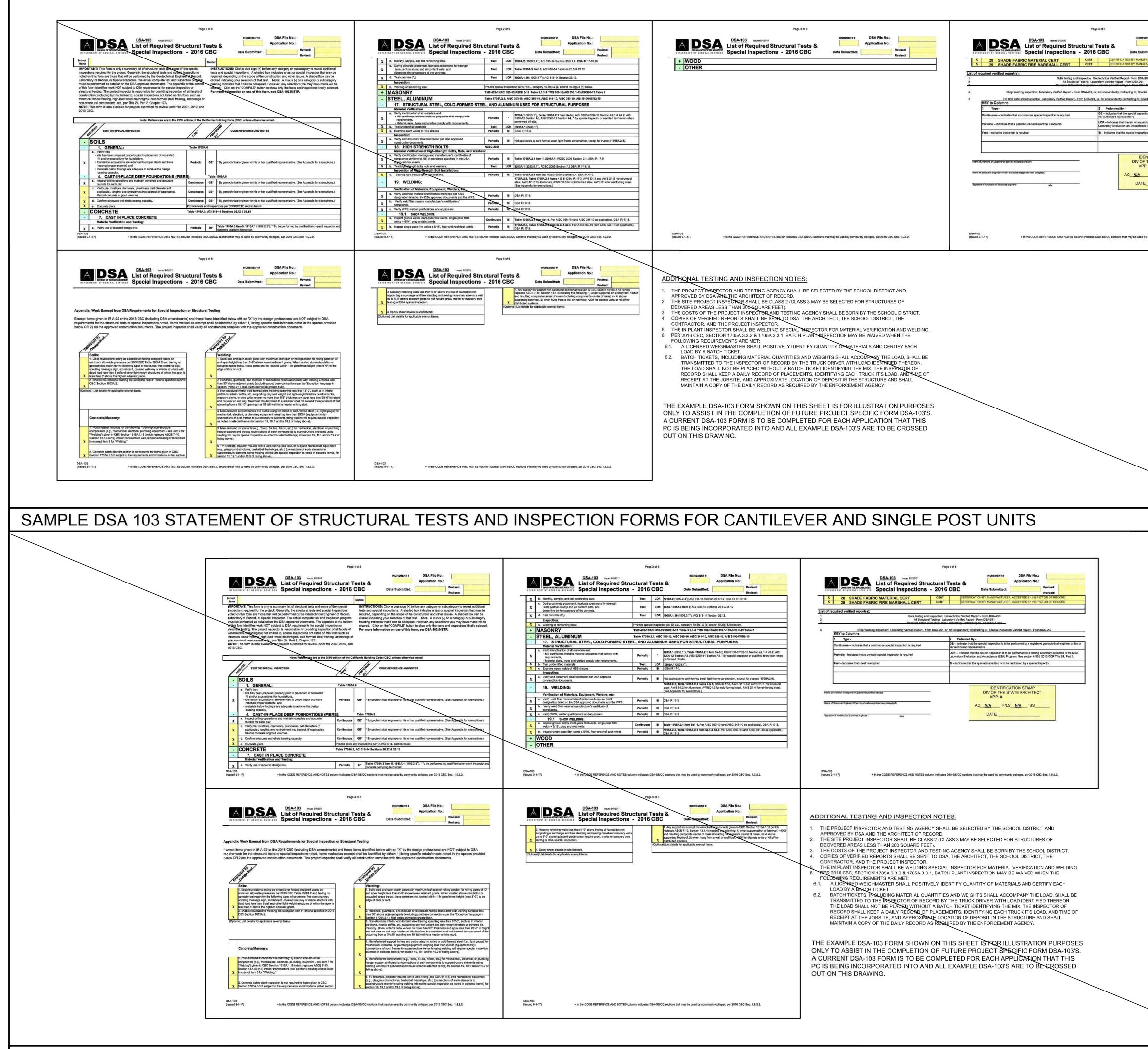
ALL WORK SHALL CONFORM TO 2016 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (C.C.R.)



## **BUILDING CODE DATA**

## **USA**SHADE & Fabric Structures®

<u>SIT</u>	E SPECIFIC APPLIC	ATION SITE PLA	N SHALL INCLUDE:		ROPE	rty of		HADE	AND	IS ARE FABRIC	
1. /	ACTUAL DIMENSIONS OF SHA	DE STRUCTURES.		R		DUCED		DUT TI	HEIR	WRITTE	ĪN
	DIMENSIONS FROM ADJACEN PROPERTY LINES.	T STRUCTURES AND P	ROXIMITY OF ASSUMED OR ACTUAL								
		CLUDING ACTUAL SHAE	DE STRUCTURE AREA (SQ. FT.),								
	OCCUPANCY TYPE (A-3), AND FACTOR per 2016 CBC, SECTIO		ION (V-B). INDICATE OCCUPANT LOAD		<b>.</b>						
4. I	NDICATE LOCATIONS OF FIRE	E EXTINGUISHER WITH	N 75 FEET.			7 8		A		IΔΓ	١F
5. 5	SHOW LOCATIONS OF AUDIBL	E FIRE ALARM.				8	Fabi	ric s	JI Stri	IAC Ictur	'es <sup>®</sup>
	NDICATE DIMENSIONS FROM FEATURE. MINIMUM DIMENSI		GHER STRUCTURE OR TERRAIN .OAD MODEL (ASCE 7-10).								
			OCCURS AT OR BELOW THE UPPER								
	MODEL).	COUND SNOW LOAD SP	IOWN IN ASCE 7-10 (FOR SNOW LOAD								
			FECT/ENGINEER OF RECORD TO ERATURE (LAST). AS DEFINED IN AISC	С					•		S
E		CH RELATES TO DEMA	ND CRITICAL WELD AND "L.A.S.T."			DALL	HANC .AS, T	X, 7	5247		
	TEMPERATURE (EITHER STRU		#14). E STRUCTURE MODEL NUMBER, P.C.			80	0-966	6-500	5		
	NUMBER, AND SPECIFIC SIZE			CER	TIFIC		NS:				
	N APPENDICES "A, B & C" RES	SPECTIVELY IN ASCE 1	ORM TO THE GUIDELINES AS SPECIFIED 9-10, "STRUCTURAL APPLICATIONS OF				IFICAT				
	STEEL CABLES FOR BUILDING		IC SITE IS IN MAPPED GEOLOGIC	C			JNTY N N NUM			JRER .DA): 355	5
	HAZARD ZONE. GEOHAZARD I			DS/	A PC		PLIC	ΑΤΙΟ	ON	STAN	MP:
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# SNOW L # SNOW L # SNOW L POST P POST P POST P R R MARINER MA	-OAD) -OAD) -OAD) -OAD) -OAD) -OAD) -OAD) -OAD) -OAD) -OAD) -OAD 	SIZE         20 X 30         20 X 30         20 X 30         30 X 30         30 X 30         30 X 40         30 X 40         20 X 30         20 X 30         30 X 40         30 X 40         20 X 30         20 X 30         30 X 40         30 X 40         30 X 30         30 X 30         30 X 30         30 X 200         30 X 200         30 X 200         30 X 200         30 X 30         20 X 30 <t< td=""><td>NUMBER           DSA4012030-16           DSA4012030-16           DSA4013030-16           DSA4013030-16           DSA4013030-16           DSA4013040-16           DSA401S2030-16           DSA401S2030-16           DSA401S2030-16           DSA401S2030-16           DSA4073030-16           DSA4073030-16           DSA407J3060-16           DSA407Q6060-16           DSA2022030-16           DSA3022060-16           DSA3022060-16           DSA2062030-16           DSA2062030-16           DSA3052060-16           DSA3052060-16           DSA3052060-16           DSA3052060-16           DSA3052060-16           DSA3052060-16           DSA3052060-16</td><td>JECT NAME:</td><td>S. Hart MS</td><td>SIZ</td><td>E:</td><td>S:</td><td>Villow Road</td><td>, CA</td><td>DATE DRW CHK</td></t<>	NUMBER           DSA4012030-16           DSA4012030-16           DSA4013030-16           DSA4013030-16           DSA4013030-16           DSA4013040-16           DSA401S2030-16           DSA401S2030-16           DSA401S2030-16           DSA401S2030-16           DSA4073030-16           DSA4073030-16           DSA407J3060-16           DSA407Q6060-16           DSA2022030-16           DSA3022060-16           DSA3022060-16           DSA2062030-16           DSA2062030-16           DSA3052060-16           DSA3052060-16           DSA3052060-16           DSA3052060-16           DSA3052060-16           DSA3052060-16           DSA3052060-16	JECT NAME:	S. Hart MS	SIZ	E:	S:	Villow Road	, CA	DATE DRW CHK
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# SNOW L # SNOW L POST P POST P POST P R R MARINE M	-OAD) -OAD) -OAD) /RAMID /RAMI	SIZE         20 X 30         20 X 30         20 X 30         30 X 30         30 X 30         30 X 40         30 X 40         20 X 30         20 X 30         30 X 40         30 X 40         20 X 30         20 X 30         20 X 30         20 X 30         30 X 200         30 X 30         20 X 300	NUMBER           DSA4012030-16           DSA4012030-16           DSA4013030-16           DSA4013030-16           DSA4013030-16           DSA4013040-16           DSA4013040-16           DSA4013040-16           DSA4013040-16           DSA4013040-16           DSA4013030-16           DSA401S2030-16           DSA1031414-16           DSA4073030-16           DSA4073030-16           DSA407J3060-16           DSA407Q6060-16           DSA2022030-16           DSA3022060-16           DSA3022060-16           DSA3022060-16           DSA3052060-16           DSA3052060-16           DSA3052060-16           DSA3052060-16           DSA30730-16           DSA30730-16           DSA30730-16	JECT NAME:	. Hart MS		E:		4433 Willow Road	easanton, CA	DATE DRW CHK
# SNOW L # SNOW L POST P POST P POST P POST P R R MARINER MARI	OAD) OAD) OAD) (RAMID (	SIZE         20 X 30         20 X 30         30 X 30         30 X 30         30 X 40         30 X 40         20 X 30         30 X 40         30 X 40         20 X 30         30 X 40         30 X 40         30 X 40         30 X 30         20 X 300         30 X 200	NUMBER           DSA4012030-16           DSA4012030-16           DSA4013030-16           DSA4013030-16           DSA4013040-16           DSA4013040-16           DSA4013040-16           DSA4013030-16           DSA4013040-16           DSA4013040-16           DSA4013030-16           DSA401S2030-16           DSA1031414-16           DSA4073030-16           DSA4073030-16           DSA4073030-16           DSA4073030-16           DSA407206060-16           DSA407Q6060-16           DSA2022030-16           DSA3022060-16           DSA3022060-16           DSA2022030-16           DSA3052060-16           DSA3052060-16           DSA3052060-16           DSA3052060-16           DSA3052060-16           DSA3052060-16           DSA30730-16           DSA30730-16           DSA4182020-16           DSA4183030-16	ITE PROJECT NAME:	S. Hart MS	DISTRICT/OWNER:	Pleasanton USD	S:	33 Willow Road	easanton, CA	REV DESCRIPTION DATE DRW CHK E
# SNOW L # SNOW L POST P POST P POST P POST P R R MARINER MARINER MARINER ANTILEVE A	-OAD) -OAD) -OAD) /RAMID /RAMI	SIZE         20 X 30         20 X 30         30 X 30         30 X 30         30 X 40         30 X 40         20 X 30         30 X 40         30 X 40         20 X 30         30 X 40         30 X 40         30 X 40         30 X 30         20 X 300         30 X 200	NUMBER           DSA4012030-16           DSA4012030-16           DSA4013030-16           DSA4013030-16           DSA4013040-16           DSA4013040-16           DSA4013040-16           DSA4013030-16           DSA4013040-16           DSA4013040-16           DSA4013030-16           DSA401S2030-16           DSA1031414-16           DSA4073030-16           DSA4073030-16           DSA4073030-16           DSA4073030-16           DSA407206060-16           DSA407Q6060-16           DSA2022030-16           DSA3022060-16           DSA3022060-16           DSA2022030-16           DSA3052060-16           DSA3052060-16           DSA3052060-16           DSA3052060-16           DSA3052060-16           DSA3052060-16           DSA30730-16           DSA30730-16           DSA4182020-16           DSA4183030-16	SITE PROJECT NAME:	Thomas S. Hart MS	DISTRICT/OWNER:	Pleasanton USD	LOCATON/ADDRESS:	33 Willow Road	Pleasanton, CA	REV   DESCRIPTION   DATE   DRW   CHK   E
# SNOW L # SNOW L POST P POST P POST P POST P R R MARINER MARINER MARINER ANTILEVE A	OAD) OAD) OAD) (RAMID (	SIZE         20 X 30         20 X 30         30 X 30         30 X 30         30 X 40         30 X 40         20 X 30         30 X 40         30 X 40         20 X 30         30 X 40         30 X 40         30 X 40         30 X 30         20 X 300         30 X 200	NUMBER           DSA4012030-16           DSA4012030-16           DSA4013030-16           DSA4013030-16           DSA4013040-16           DSA4013040-16           DSA4013040-16           DSA4013030-16           DSA4013040-16           DSA4013040-16           DSA4013030-16           DSA401S2030-16           DSA1031414-16           DSA4073030-16           DSA4073030-16           DSA4073030-16           DSA4073030-16           DSA407206060-16           DSA407Q6060-16           DSA2022030-16           DSA3022060-16           DSA3022060-16           DSA2022030-16           DSA3052060-16           DSA3052060-16           DSA3052060-16           DSA3052060-16           DSA3052060-16           DSA3052060-16           DSA30730-16           DSA30730-16           DSA4182020-16           DSA4183030-16	SITE PROJECT NAME:	Thomas S. Hart MS	By :	Pleasanton USD	F LOCATON/ADDRESS:	33 Willow Road	Pleasanton, CA	8     1     DESCRIPTION     DATE     DRW     CHK     E
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# SNOW L # SNOW L POST P POST P POST P POST P R R MARINER MARINER MARINER ANTILEVE A	-OAD) -OAD) -OAD) YRAMID YRAMI	SIZE	NUMBER           DSA4012030-16           DSA4012030-16           DSA4013030-16           DSA4013030-16           DSA4013040-16           DSA4013040-16           DSA4013040-16           DSA4013040-16           DSA401S2030-16           DSA401S2030-16           DSA1031414-16           DSA4073030-16           DSA4073030-16           DSA4073030-16           DSA407206060-16           DSA407Q6060-16           DSA2022030-16           DSA3022060-16           DSA2022030-16           DSA2022030-16           DSA3022060-16           DSA3052060-16           DSA30730-16           DSA4182020-16           DSA4183030-16	DRA SITE PROJECT NAME:	Thomas S. Hart MS	By : By : By :	E: Dleasanton USD	DELECATON/ADDRESS:	4433 Willow Road	Pleasanton, CA	81   2   82   2     81   2   8   2     82   8   8       81   2       81   2       82   8       81   2       81   2       81   2       81   2       81   2       81   2       81   2           82       81       82
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# SNOW L # SNOW L POST P POST P POST P POST P R R MARINER MARINER MARINER ANTILEVE A	-OAD) -OAD) -OAD) /RAMID /RAMI	SIZE 20 X 30 20 X 30 20 X 30 30 X 30 30 X 40 30 X 40 20 X 30 20 X 30 20 X 30 20 X 30 14 X 14 14 X 14 14 X 14 30 X 30 30 X 200 60 X 60 60 X 60 60 X 60 60 X 60 20 X 30 20 X 30 30 X 200 30 X 20 30 X	NUMBER         DSA4012030-16         DSA4012030-16         DSA4013030-16         DSA4013030-16         DSA4013040-16         DSA401S2030-16         DSA401S2030-16         DSA401S2030-16         DSA401S2030-16         DSA401S2030-16         DSA4073030-16         DSA4073030-16         DSA4073030-16         DSA407J3060-16         DSA407Q6060-16         DSA2022030-16         DSA3022060-16         DSA2062030-16         DSA3052060-16         DSA3052060-16         DSA30730-16         DSA30730-16         DSA30730-16	DRA SITE PROJECT NAME:	Lhomas S. Hart MS	By : By : By :	E: Leasanton USD	DELECATON/ADDRESS:	4433 Willow Road	Pleasanton, CA	81   2   82   2     81   2   8   2     82   8   8       81   2       81   2       82   8       81   2       81   2       81   2       81   2       81   2       81   2       81   2           82   8       81
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	-OAD) -OAD) -OAD) /RAMID /RAMI	SIZE 20 X 30 20 X 30 20 X 30 30 X 30 30 X 40 30 X 40 20 X 30 20 X 30 20 X 30 20 X 30 14 X 14 14 X 14 14 X 14 30 X 30 30 X 200 60 X 60 60 X 60 60 X 60 60 X 60 20 X 30 20 X 30 30 X 200 30 X 20 30 X	NUMBER         DSA4012030-16         DSA4012030-16         DSA4013030-16         DSA4013030-16         DSA4013040-16         DSA4013040-16         DSA4013040-16         DSA4013040-16         DSA4013040-16         DSA4013040-16         DSA4013030-16         DSA4013030-16         DSA4073030-16         DSA4073030-16         DSA4073030-16         DSA4073030-16         DSA407206060-16         DSA407202030-16         DSA2022030-16         DSA3022060-16         DSA3052060-16         DSA3052060-16         DSA30730-16         DSA30730-16         DSA4182020-16         DSA4183030-16	DRA BILE PROJECT NAME:	MING Eng Sign Oved WING C	By : By : By : By : By :	E: Leasanton USD	H I I I I I I I I I I I I I I I I I I I	Solution Road	Heasanton, CA	81   2   82   2     81   2   8   2     82   8   8       81   2       81   2       82   8       81   2       81   2       81   2       81   2       81   2       81   2       81   2           82   8       81
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SAMPLE DSA 103 STATEMENT OF STRUCTURAL TESTS AND INSPI

								PROPER	TY OF USA SH	FICATIONS ARE THE
	Page	3 of 6		Page 4 of 6						SHALL NOT BE UT THEIR WRITTEN SION.
Application No.:	DISA THE STREAM LEAVINGS	ests & Application No.:	DSA-103 Insued 91/2017 List of Required Structura Special Inspections - 201	al Tests & DSA File No.: Application No.: Application No.: Revised:						
Revised:         Revised:           14 Socilon 26.6.1.2. DSA IR 17-10.16	+ WOOD · OTHER	Revised:	X         28         SHADE FABRIC MATERIAL CERT         CERT           X         29         SHADE FABRIC FIRE MARSHALL CERT         CERT           List of required verified report(s):         CERT         CERT	Revised: CERTIFICATION BY MANUFACTURER, ACCEPTED BY INSPECTOR OF RECORD						
18-14 Section 28.12. ) & (e) and/or 19.2(g) & (h) below. 18 902-13/ACI 530.1-13/ASICE 6-13 Table 5			1 Solis testing and Inspection: 2 All Structural Testing: L 2 Concerns Betch Diant Inspect	1: Geotechnical Verified Report - Form DSA-293 Laboratory Verified Report - Form DSA-291 tism - Laboratory Verified Report - Form DSA-292 11, or, for independently contracting Si, Special Inspection Verified Report - Form DSA-292					7	
1-10, AISC 333-10, AISI 5100-07/52-10 CTURAL PURPOSES			KEY to Columns 1 Type -	291, or, for independently contracting St. Special Inspector Verified Report - Form DSA-292           2         Performed By -           GE - Indicates that the special inspection is to be performed by a registered geotechnical en-	algebrar bis or				US	ASHADE
54.2.1 Item 3a-3c; AISI S100-(17)52-10 Section A2.1 & A2.2, AISI 0-11 Section A4.* By special inspector or qualified technician when 			Continuous – Indicates that a continuous special inspection is required Periodic – Indicates that a periodic special inspection is required Test - Indicates that a test is required	her authorized representative LOR – Inclustes that the bet or inspection is to be performed by a testing laboratory accepts Laboratory Evaluation and Acceptance (LEA) Program. See section 4-355, 2013 CCR THe 2 SI – Inclustes that the special inspection is to be performed by a special inspector	ed in the DSA				( a labi	
steel light-frame construction, except for trusses (1705A.2.4).										
A 1; RCSC 2009 Section 2.1. DSA IR 17-9 09 Section 7.2 DSA IR 17-8.16 SC 2009 Section 9.1. DSA IR 17-9			Neme of Architect or Engineer in gensue responsible charge Neme of Sinuctional Engineer (When enuclural design here been delegated)	IDENTIFICATION STAMP DIV OF THE STATE ARCHITECT APP. # AC_ <u>N/A</u>						
ame 4 & 5; D6A.IR 17-3, AWE D1.1 and AWS D1.8 for structural AWS D1.3 for cold-formed sizel, AWS D1.4 for reinforcing steel.			Signature of Architect or Structurel Ergmean date	DATE				8505	-A CHANCI	ADQUARTERS ELLOR ROW
									DALLAS, TX 800-966	
er AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3. am 5s.5 & 5s.5. Per AISC 360-10 (and AISC 341-10 as applicable). community colleges, per 2016 CBC Sec. 1.9.2.2.	DSA-103 (Issued 9-1-17) + In the CODE REFERENCE AND NOTES edumn inclosies D	SA-SS/CC sections that may be used by commutity colleges, par 2016 CBC Sec. 1.9.2.2.	DSA-103 (Issued 9-1-17) + In the CODE REFERENCE AND NOTES column indicat	ates DSA-SS/CC sections that may be used by community colleges, per 2016 CBC Sec. 1.3.2.2.				CERTIFIC		
		A GANYAR BENTAN INGGO CARANA SA CINTI I KARANA SA KANA KANA KANA KANA KANA KANA KAN						IAS	CERTIFICATIO	
NT# DSA File No.: Application No.: Revised:	ADDITIONAL TESTING AND INSPECTION NOTE	-S:						CERTIFI	CATION NUME	ANUFACTURER BER (NEVADA): 355
Itted: Revised: structural components given is CBC Section 1516A.1.18 (which 13.1.4) meeting the following: 1) when supported on a foortroof, <4008 of mass (including component's certier of mass) <= 4 # bove mung from a well or rooffloor, <200 for cristersite units or <5 pt for	1. THE PROJECT INSPECTOR AND TESTING AGENCY SHALL							DSA PC	APPLICA	ATION STAMP:
rnpt Rems:	<ul> <li>APPROVED BY DSA AND THE ARCHITECT OF RECORD.</li> <li>2. THE SITE PROJECT INSPECTOR SHALL BE CLASS 2 (CLA DEOVERED AREAS LESS THAN 200 SQUARE FEET).</li> <li>3. THE COSTS OF THE PROJECT INSPECTOR AND TESTING</li> <li>4. COPIES OF VERIFIED REPORTS SHALL BE SENT TO DSA.</li> </ul>	GAGENCY SHALL BE BORN BY THE SCHOOL DISTRICT.							MBER: PC-SS IDENTIFICATIO	N STAMP ATE ARCHITECT
	<ol> <li>CONTRACTOR, AND THE PROJECT INSPECTOR.</li> <li>THE IN PLANT INSPECTOR SHALL BE WELDING SPECIAL</li> <li>PER 2016 CBC, SECTION 1705A.3.3.2 &amp; 1705A.3.3.1, BATCH FOLLOWING REQUIREMENTS ARE MET:</li> </ol>	INSPECTOR FOR MATERIAL VERIFICATION AND WELDING. I PLANT-INSPECTION MAY BE WAIVED WHEN THE							NO: 04 - 11714	
	<ul> <li>6.1. A LICENSED WEIGHMASTER SHALL POSITIVELY IDEI LOAD BY A BATCH TICKET.</li> <li>6.2. BATCH TICKETS, INCLUDING MATERIAL QUANTITIES TRANSMITTED TO THE INSPECTOR OF RECORD BY</li> </ul>	AND WEIGHTS SHALL ACCOMPANY THE LOAD, SHALL BE						AC	DF_FLS_DS	_ss <u>VN</u> _
	THE LOAD SHALL NOT BE PLACED WITHOUT A BATC RECORD SHALL KEEP A DAILY RECORD OF PLACEM RECEIPT AT THE JOBSITE, AND APPROXIMATE LOCA MAINTAIN A COPY OF THE DAILY RECORD AS REQUI	CH TICKET IDENTIFYING THE MIX. THE INSPECTOR OF ENTS, IDENTIFYING EACH TRUCK IT'S LOAD, AND THME OF ATION OF DEPOSIT IN THE STRUCTURE AND SHALL						DATE	08/14/2018	
	THE EXAMPLE DSA-103 FORM SHOWN ON TH									
	ONLY TO ASSIST IN THE COMPLETION OF FU A CURRENT DSA-103 FORM IS TO BE COMPLI PC IS BEING INCORPORATED INTO AND ALL I	ITURE PROJECT SPECIFIC FORM DSA-103'S. ETED FOR EACH APPLICATION THAT THIS								
	OUT ON THIS DRAWING.	EXAMPLE DOA-103 5 ARE TO BE CROSSED						CODE	JPDATE FO	OR 04-113245
community colleges, per 2016 CBC Sec. 1.9.2.2.								Р	RE-CHE	ECK (PC)
									DOCU Code : 20	MENT
						-		A se for	perate proje construction	ect application n is required.
ECTION FOR	MS FOR CANTILE	/ER AND SINGLE PC	<u>)ST UNITS</u>					SCALE: A	S NOTED	
								DRAWING	SIZE:	
Page 2		Page 3 of					SED ARCHIT			S N
SAA Internet List of Required Structural Te Special Inspections - 2016 C	Revised:	DSAA         DSAA-103         Issued 9/12017           Difference         Difference         Difference         Difference           Difference         Differe         Differe         Differe	Sts & Application No.: BC Date Submitted: Revised: Revised: CERTIFICATION BY MANUFACTURER, ACCEPTED BY INSPECTOR OF RECORD				× muline ×			HK E
concrete placement, fabricate specimens for strength erform slump and air content tests, and Test ine the temperature of the concrete.	LOR 1910A2 (1993.2.4 <sup>1</sup> ); ACI 318-14 Section 26.6.1.2. DSA IR 17-10.16 LOR Table 1705A3 Item 8; ACI 318-14 Sections 26.5 & 26.12 LOR 1905A.1.16 (1909.3.7 <sup>1</sup> ); ACI 318-14 Section 26.12.	X         29         Shade FABRIC FIRE MARSHALL CERT         CERT           List of required verified report(s):         1         Solis testing and inspection: Generation	CERTIFICATION BY MANUFACTURER, ACCEPTED BY INSPECTOR OF RECORD http://www.accepted.com/accepted/acce				01 NO.C19168 REN. 10-31-19			U
NRY TMS 402-13/ACI ., ALUMINUM Table 1705A2.1	nspection por STEEL, category 19.1(d) & (e) and/or 19.2(g) & (h) below. 830-13/ASCE 5-13 Table 3.1.3 & TMS 602-13/ACI 530.1-13/ASCE 1-13 Table 5 . ASC 303-10, AISC 360-10, AISC 341-10, AISC 358-10, AISI \$100-07/52-10	Concrete State Black Inspection: Laboratory Verified Report - Form DSA-291, or, br in KEY to Columns	enkey Vodilod Repet Form DEA 001				08/10/2018 10:19:44 AM			DRW
STRUCTURAL STEEL, COLD-FORMED STEEL, AND ALU al Verification: antification: antification cell meterials ant: antificates indicate material properties that comply with ements, bps and grades comply with requirements.	IMINUM USED FOR STRUCTURAL PURPOSES 2203A.1 (22/3).1*), Table 1705A.2.1 Bem 3e-3c; AISI 5100-07/52-10 Section A2.1 & A2.2, AISI 5200-12 Section A3, AISI 5220-11 Section A4, * By special inspector or qualified technician when performed of-site.	Periodic – Indicates that a periodic special inspection is required Lob	<ul> <li>Indicates that the specific all inspection is to be performed by a registered geotechnical engineer or his or authorized representative</li> <li>R. Indicates that the best or inspection is to be performed by a testing laboratory eccepted in the DSA performs y evaluation and Acceptance (LEA) Program. See section 4-395, 2013 CCR Title 24, Part 1.</li> </ul>							DATE
identified materials Test is som welds of HSS shapes Periodic ction: ction:	LOR 2203A.1 (22/3.1 <sup>*</sup> ). SI DSA IR 17-5. SI Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).	Test - Indicates that a test is required SI -	Indicates that the special inspection is to be performed by a special inspector							
WELDING: ation of Matsrials, Equipment, Welders, etc: weld filer material identification markings per AVS itel listed on the DSA approved documents are the WPS. Periodic	1705A.2.5, Tbble 1705A.2.1 liems 4 & 5; DSA IR 17-3, AWS D1.1 and AWS D1.8 for structural steel AWS D1.2 for Aluminum, AWS D1.3 for cold-formed steel, AWS D1.4 for reinforcing steel. (See Appendix for exemptions.) SI DSA IR 17-3.	Name of Architect or Engineer in gevenal responsible charge Name of Structural Engineer (When structural deelps has been delegated)	IDENTIFICATION STAMP DIV OF THE STATE ARCHITECT APP.#				HIGGINSON			
weld film meterial manufacturer's certificate of         Periodic           nos.         Periodic           VPS, welder qualifications and equipment.         Periodic           1         SHOP WELDING:           groove welds, null-pass fillet welds, single pass fillet         Continues	SI         DSA IR 17-3           SI         DSA IR 17-3           SI         Table 1705A2.1 Item Se1-4. For AISC 360-10 (and AISC 341-10 as applicable). DSA R 17-3.	Signature of Architect or Structural Engineer date	AC <u>N/A</u> F/LS_ <u>N/A</u> SS DATE				ARCHITECTS			
and ploy and alot waits	Number in training at the raining state, raining source (and raid distribution of the separation), both R 11-3.           Si         DSA IR 17-3.						707 Brookside Avenue			80 z
							Redlands, CA 92373 (909)375-3030 www.haarchinc.com	AME MS		SS: J 458 «Ртю
+ In the OSDE REFERENCE AND NOTES column indicates DS/	N-SSICC sections that may be used by community colleges, per 2018 CBC Sec. 1.9.2.2.	DSA-103 (Issued 9-1-17) + In the CODE REFERENCE AND NOTES column indicates DSA-S	SS/CC sections that may be used by community colleges, per 2016 CBC Sec. 1.9.2.2.				ARCHITECT			A 9 Escr
Page 5	INCREMENT & DSA File No.:							ECT N Hart	NWC SU r	ADD ∧ C C R D
List of Required Structural Te Special Inspections - 2016 C	Any support for exampt non-structural memory prometing given in CBC Section 1616A.1.18 (which replaces 3AGE 7-10, Bection 13.1.4) meeting the following: 1) when supported on a flocarizor, 4400#	ADDITIONAL TESTING AND INSPECTION NOTES 1. THE PROJECT INSPECTOR AND TESTING AGENCY SHALL B ADDROVED BY DRAWING THE ADDRIVERT OF DECOMPO	_					ဂဂဂ	Ditor	ON/A Villow nton,
surcharge and free standing nonbearing non-ahear masonry wells ove adjacent grade do not require grout, mortar or masonry core A special inspection. (f	and resultingcomposite center of mass (including consortent's center of mass) <= 4' exove supporting filtonrivo(f, 2) when hung from a well or rootificar; <20€ for discrete units or <5 plf for distributed systems. Optionel) List details for applicable exempt items:	<ul> <li>APPROVED BY D\$A AND THE ARCHITECT OF RECORD.</li> <li>THE SITE PROJECT INSPECTOR SHALL BE CLASS 2 (CLASS DEOVERED AREAS LESS THAN 200 SQUARE FEET).</li> <li>THE COSTS OF THE PROJECT INSPECTOR AND TESTING A</li> </ul>						E PR( mas	IRIC Isan	AT Sa
s for applicable exampt items:		<ol> <li>COPIES OF VERIFIED REPORTS SHALL BE SENT TO DSA, TI CONTRACTOR, AND THE PROJECT INSPECTOR.</li> <li>THE IN PLANT INSPECTOR SHALL BE WELDING SPECIAL IN</li> <li>BER 2016 CBC, SECTION 1705A.3.3.2 &amp; 1705A.3.3.1, BATCH P</li> </ol>	HE ARCHITECT, THE SCHOOL DISTRICT, THE				PROFESSION	SITE	DIST	LOC/ 4433 Plea: <sup>REV</sup>
		FOLDWING REQUIREMENTS ARE MET: 6.1. A LICENSED WEIGHMASTER SHALL POSITIVELY IDENT	TFY QUANTITY OF MATERIALS AND CERTIFY EACH				S at I have the	いー Eng.	By: DW	
		6.2. BATCH TICKET. 6.2. BATCH TICKETS, INSLUDING MATERIAL QUANTITIES AI TRANSMITTED TO THE INSPECTOR OF RECORD BY TH THE LOAD SHALL NOT BE PLACED WITHOUT A BATCH RECORD SHALL KEEP A DAILY RECORD OF PLACEMEN RECEIPT AT THE JOBSITE, AND APPROXIMATE LOCATI MAINTAIN A COPY OF THE DAILY RECORD AS REQUIRE	E TRUCK DRIVER WITH LOAD IDENTIFIED THEREON. TICKET IDENTIFYING THE MIX. THE INSPECTOR OF ITS, IDENTIFYING EACH TRUCK IT'S LOAD, AND TIME OF				₩ No. 3693 A	Design	1125	
							OF CALLEON 8/10/2018	Approved	By: DV	VH 08/07/18
		THE EXAMPLE DSA-103 FORM SHOWN ON THIS ONLY TO ASSIST IN THE COMPLETION OF FUT A CURRENT DSA-103 FORM IS TO BE COMPLET	URE PROJECT SPECIFIC FORM DSA-103'S.				Mark Lowe, S.E.			
		PC IS BEING INCORPORATED INTO AND ALL EX OUT ON THIS DRAWING.	(AMPLE DSA-103'S ARE TO BE CROSSED				Structural Engineer	and the second second second	103	FORMS
							19471 Misty Ridge Lane Trabuco Canyon, California 923679	DWG.		
+ In the CODE REFERENCE AND NOTES oxiumn Indicates DS/	-SSYCC sections that may be used by community colleges, per 2016 CBC Sec. 1.9.2.2.						949-400-1265 malowe@me.com	SHEET	Р.С. Т	-20
								REV.	.0. 1	2.0
ECTION FOR	MS FOR ALL UNITS	S EXCEPT CANITLE	VER AND SINGLE	POST		2	ENGINEER			

#### GENERAL NOTES

DESIGN LOADS

**BUILDING CODE** LIVE LOADS SNOW LOAD WIND LOADS

CBC 2016 (BASED ON IBC 2015) 5 PSF 5 PSF

115 MPH (3-Sec. Gust); EXPOSURE C; TOPOGRAPHIC FACTOR , Kzt = 1.0

1.- SPECIAL INSPECTION REQUIREMENTS SHALL FOLLOW THE ATTACHED SAMPLE TEST AND INSPECTION LIST (T & I LIST) APPROVED BY DSA. THE SHOP WELDING INSPECTION SHALL INCLUDE WELDING OF ALL STEEL MEMBERS AND IDENTIFICATION OF STEEL THROUGH MILL CERTIFICATE OR MATERIAL TESTING, UNCERTIFIED STEEL SHALL BE TESTED TO THE REQUIREMENTS OF CBC 2016 CHAPTER 17A. THE FIELD SPECIAL INSPECTION SHALL INCLUDE COMPRESSION CYLINDER TESTS FOR THE CONCRETE FOUNDATION.

2.- STRUCTURE SHALL BE IN THE LOCATION SHOWN ON THE SITE SPECIFIC DSA APPLICATION DRAWING.

3.- FOUNDATION DESIGN BASED ON CBC 2016, TABLE 1806A.2, SOIL CLASS 5 (ALLOWABLE FOUNDATION PRESSURE 1500 PSF)

4.- DESIGN PER FOLLOWING CODES: CBC 2016, ASCE 7-10, AISC 360-10, AISC 341-10, ACI 318-14, ASCE 55-10 & ASCE 19-10

#### STRUCTURAL STEEL

1.- FABRICATION OF THE STEEL STRUCTURES SHALL BE PERFORMED BY SHADE STRUCTURES OR AN AUTHORIZED LICENSEE. MATERIAL TESTING (OR MILL CERTIFICATES) AND INSPECTION OF WELDING SHALL BE CONDUCTED PER CBC 2016 SECTIONS 1704A, 1705A, 1705A.2, AND TABLE 1705A.2.1.

2.- ONLY CALIFORNIA LICENSED CONTRACTORS AUTHORIZED BY SHADE STRUCTURES SHALL INSTALL THE SHADE STRUCTURES.

3.- ALL WORK SHALL CONFORM TO CBC 2016 EDITION, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR). 4.- ALL STRUCTURAL SHAPES SHALL BE COLD FORMED HSS ASTM A500 GRADE B, UNLESS OTHERWISE

NOTED. TYPICAL MECHANICAL PROPER	TIES ACHIEVED FOR HSS PRODUCTS:
SQUARE AND RECTANGULAR	46,000 PSI YIELD STRESS / 58,000 PSI TENSILE STRESS
ROUND PIPE	42,000 PSI YIELD STRESS / 58,000 PSI TENSILE STRESS

5.- ALL PLATES PRODUCTS SHALL COMPLY WITH ASTM A572 GRADE 50.

6.- STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH A.I.S.C. SPECIFICATIONS.

7.- ALL WELDING TO CONFORM WITH AMERICAN WELDING SOCIETY STANDARDS AND SHALL BE INSPECTED BY AN AWS/CWI INSPECTOR. AWS D1.1 FOR HOT ROLLED. AWS D1.3 FOR SHEET/COLD FORMED. AWS D1.8 SEISMIC SUPPLEMENT.

8.- ALL FULL PENETRATION WELD SHALL BE CONTINUOUSLY INSPECTED PER AWS D1.1 & D1.8.

9.- SHOP CONNECTIONS SHALL BE WELDED UNLESS NOTED OTHERWISE. FIELD CONNECTIONS SHALL BE AS INDICATED ON THE DRAWINGS (IF REQUIRED). ALL FILLET WELDS SHALL BE A MINIMUM OF 3/16" ER70SX ELECTRODES UNLESS OTHERWISE NOTED. EITHER SMAW OR GMAW IS ACCEPTABLE.

10.- ALL STRUCTURAL STEEL (ITEMS FROM NOTE 4) SHALL BE PAINTED WITH ONE SHOP COAT (2.5 TO 3.5 MILS THICK MIN) OF ZINC-RICH PRIMER, UNDERCOAT, AND FINISH COAT, OR EQUIVALENT PAINT SYSTEM THIS COAT IS A WEATHER RESISTANT POWDER COATING BASED ON POLYESTER TGIC (MANUFACTURED BY SHERWIN WILLIAMS OR TIGER DRYLAC). TO ACHIEVE OPTIMUM ADHESION, IT IS RECOMMENDED THAT THE PROPER TREATMENT AND DRYING TAKE PLACE BEFORE COATING. POLYESTER POWDER (TGIC) SPECIFICATIONS SHALL BE AS FOLLOWS:

- PENCIL HARDNESS (ASTM D-3363). - HUMIDITY (ASTM D-2247).

- SOLVENT RESISTANCE (PCI METHOD) - 50 DBL RUBS SL. SOFTNESS.

11.- COLD-FORMED STEEL MEMBERS SHALL BE 55% ALUMINUM ZINC ALLOY COATED PER ASTM A792/A792M STANDARD IN ACCORDANCE TO AISI S200 TABLE A4-1, CP 90 COATING DESIGNATION. ALL EXPOSED STEEL FASTENERS, INCLUDING CAST-IN-PLACE ANCHOR BOLTS/RODS, SHALL BE STAINLESS STEEL (TYPE 304 MINIMUM), HOT DIP GALVANIZED (ASTM A153, CLASS D MINIMUM OR ASTM F2329), OR PROTECTED WITH CORROSION PREVENTIVE COATING THAT DEMONSTRATED NO MORE THAN 2% OF RED RUST IN MINIMUM 1,000 HOURS OF EXPOSURE IN SALT SPRAY TEST PER ASTM B117. ZINC-PLATED FASTENERS DO NOT COMPLY WITH THIS REQUIREMENT.

#### CONCRETE SPECIFICATION

- CONCRETE SHALL BE TESTED PER CBC 2016 SECTION 1903A & SHALL BE INSPECTED PER SECTION 1903A.

2.- CONCRETE TO BE F'C= 4500 PSI, TYPE V CEMENT, WATER/CEMENT RATIO OF 0.45, PER ACI 318-14 CHAPTER 5. REINFORCING STEEL TO BE Fy= 60000 PSI , MIN. GR. 60

3.- ALL ANCHOR BOLTS SET IN NEW CONCRETE (WHEN APPLICABLE) SHALL COMPLY WITH ASTM F-1554 GRADE 55 (GALVANIZED). ANCHOR BOLT'S EMBEDMENT NEEDS TO BE AS FOLLOW: A) ANCHOR BOLT Ø1 1/4" 30 IN (MINIMUM EMBEDMENT)

4.- CERTIFIED MILL TEST REPORTS ARE TO BE PROVIDED FOR EACH SHIPMENT OF REINFORCEMENT

5.- ALL NON-SHRINK GROUT SHALL HAVE A MINIMUM 28 DAYS COMPRESSIVE STRENGTH OF 5000 PSI, AND SHALL COMPLY THE REQUIREMENTS OF ASTM C109, ASTM C939, ASTM C1090, ASTM C1107, WHEN APPLICABLE.

#### FABRIC SPECIFICATION

1.- FABRIC SHALL BE MANUFACTURED BY MULTIKNIT LTD. OR OTHER COMPANY WHO CAN MANUFACTURE FABRIC, WHICH MEETS THE SPECIFICATIONS LISTED ON PAGE 2000, AND SHALL BE FABRICATED FROM POLYETHYLENE MATERIALS.

2.- THE FABRIC SHALL RETAIN 80% OF ITS TENSILE AND TEARING STRENGTH AFTER ULTRAVIOLET EXPOSURE PER ASTM G53 USING A 313 NM LIGHT SOURCE FOR 500 HOURS WHILE MOISTENED FOR 1 HOUR EVERY 12 HOURS.

3.- PROVIDE CERTIFICATION BY MANUFACTURER AND STATE FIRE MARSHALL TO DSA AT SITE SPECIFIC INSTALLATION.

4.- FABRIC SHALL REQUIRE ANNUAL INSPECTION AND MAINTENANCE BY THE DISTRICT. FABRICS SAMPLES OF THE SAME MATERIAL WHICH ARE MAINTAINED AT THE PROJECTS SITE SHALL BE TESTED TO BE IN COMPLIANCE WITH ASTM D5034 AND D2261. THE ANNUAL TESTING ON THE APPROVED PLANS SHALL BE COMPARED TO THE FABRIC SPECIFICATIONS INDICATED IN NOTE 1 OF "FABRIC SPECIFICATION" ON THE APPROVED PLANS. THE FABRIC SHALL BE REPLACED WHEN THE TEST RESULTS RETURN LESS THAN 50% OF THE ULTIMATE VALUES IN NOTE 1 OF "FABRIC SPECIFICATION".

5.- FABRIC TOP NEEDS TO BE REMOVED IF SNOW EXCEEDING 5 PSF ARE ANTICIPATED, FABRIC TOP NEEDS TO BE REMOVED IF WINDS EXCEEDING 115 MPH ARE ANTICIPATED.

6.- A VISUAL INSPECTION LOOKING FOR TEAR AND ABNORMAL WEAR IN FABRIC MATERIAL AND THREAD IS REQUIRED PRIOR TO RE-INSTALLATION. SHADE STRUCTURE SHALL BE NOTIFIED IF SIGNIFICANT DAMAGE IS PRESENT BEFORE RE-INSTALLATION.

#### **AIRCRAFT CABLE**

1.- FOR FABRIC ATTACHMENT USE 1/2" 6x19 GALV. CABLE PER ASTM A1023A, ASTM 1023M-02, WITH A BREAKING STRENGTH VALUE OF 20,700 LBS. CABLE SHALL BE TENSIONED TO 250 LBS MINIMUM. THE MAXIMUM CALCULATED CABLE TENSION IS 3000 LB.

2.- CABLES SHALL BE FED THROUGH THE FABRIC SLEEVES AROUND THE PERIMETER OF THE CANOPY AND TENSIONED UNTIL THE FABRIC PANELS (DESIGNED PURPOSELY UNDERSIZED) REACH A TAUT APPEARANCE. ANY LONG TERM CABLE SAG SHALL BE MINIMIZED DURING THE MAINTENANCE RE-TIGHTING VISITS AS REQUIRED.

CODE ANALYSIS													
BUILDING	OCCUPANCY	CONST. TYPE	AREA (SQ. FT.)	OCCUPANT LOAD FACTOR	OCCUPANT LOAD								
SHADE STRUCTURE													
MAXIMUM OCCUI	PANT LOAD (PE	ER CBC 2016	3 TABLE 1604	4A.5)									
-K-12:		250 PEF	RSONS										
-PUBLIC ASSEME		300 PEF	RSONS										
-EDUCATIONAL C													
ABOVE 12TH GR	ADE:	500 PERSONS											

2016 CBC PC DESIGN NOTES

FLOOR LIVE LOAD ROOF LIVE LOAD

ALLOWABLE SOIL PRESSURE: DL + LL (CONC FTG)

1500 PSF

TWO TIMES THE TABULAR VALUE IS USED (200 PSF/FT) PER CBC SECTION 1806A.3.4.

UPLIFT FRICTIONAL RESISTANCE HAVE A SAFETY FACTOR OF 3.

ARE STILL APPLICABLE.

-ULTIMATE DESIGN WIND SPEED (3 SEC GUST) -WIND EXPOSURE FACTOR -TOPOGRAPHIC FACTOR -RISK CATEGORY -VELOCITY PRESSURE EXPOSURE COEFFICIENT K7 -VELOCITY PRESSURE

SEISMIC DESIGN

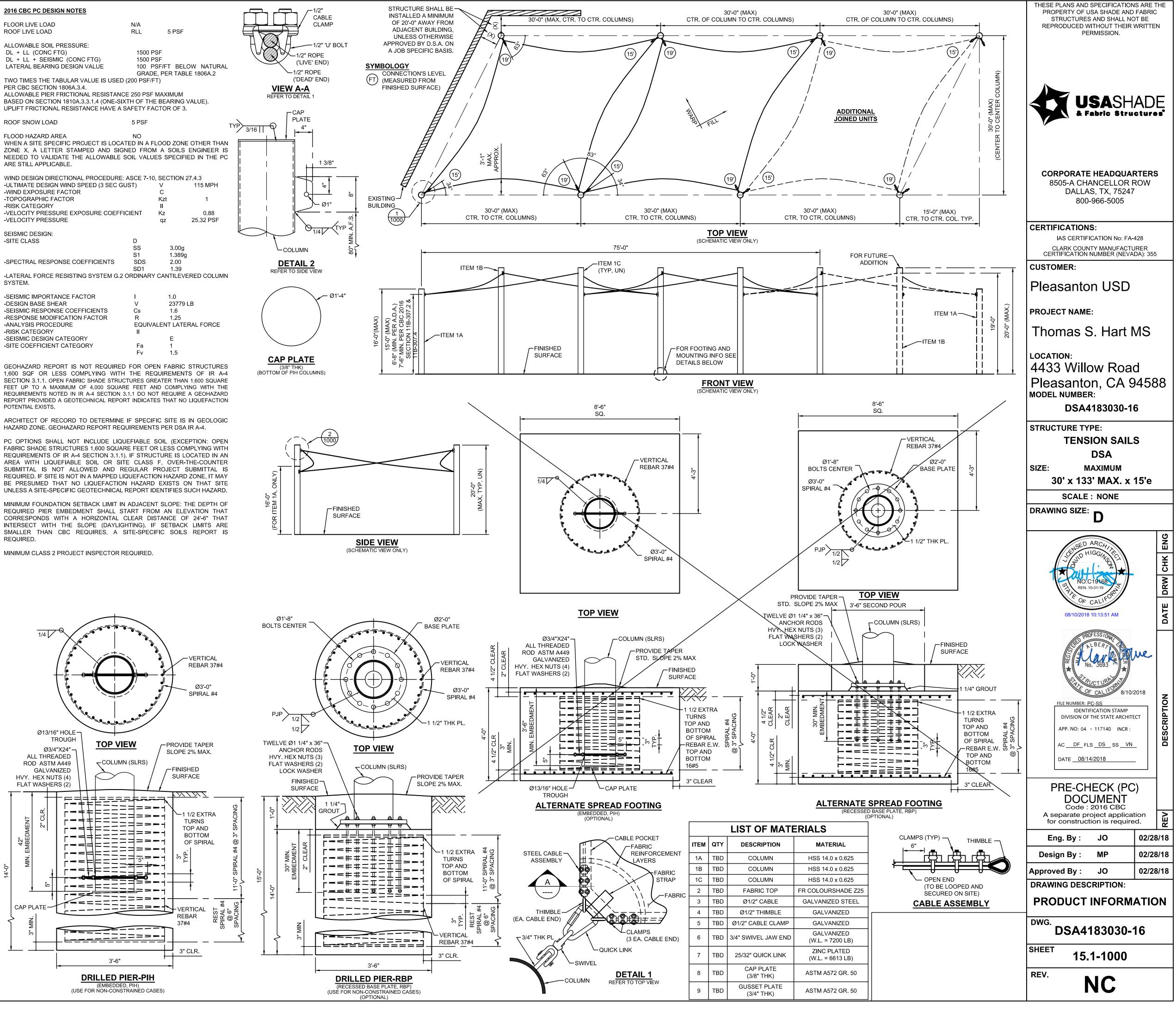
S1 -SPECTRAL RESPONSE COEFFICIENTS SDS SD1 SYSTEM. -SEISMIC IMPORTANCE FACTOR

	-	1.0
-DESIGN BASE SHEAR	V	237
-SEISMIC RESPONSE COEFFICIENTS	Cs	1.6
-RESPONSE MODIFICATION FACTOR	R	1.2
-ANALYSIS PROCEDURE	EQUIVA	LENT LA
-RISK CATEGORY	II	
-SEISMIC DESIGN CATEGORY		E
-SITE COEFFICIENT CATEGORY	Fa	1

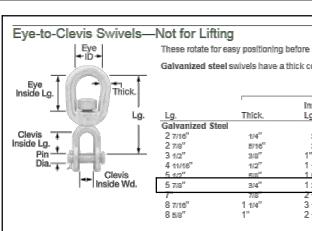
POTENTIAL EXISTS.

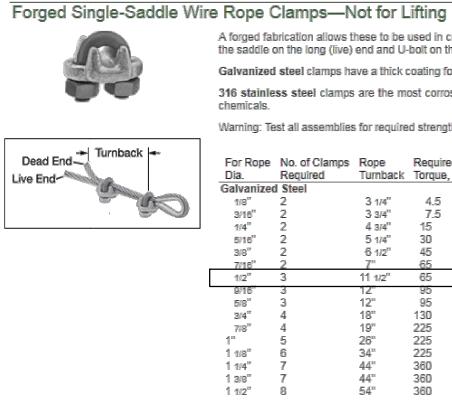
REQUIRED.

MINIMUM CLASS 2 PROJECT INSPECTOR REQUIRED.

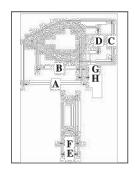


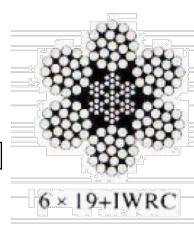
ENV	ELOPE		EACTIO	NS	Shear re	esultant =	$\sqrt{Px^2}$ +	$Py^2 + P$	z <sup>2</sup> Mom	ent resultant =	$\sqrt{Mx^2 + M}$	$2y^2 + Mz^2$	ENV	ELOPE		REACTIC	DNS	Shear r	esultant =	$\sqrt{Px^2}$ +	$Py^2 + P$		ent resultant =	$\sqrt{Mx^2+M}$	$y^2 + Mz^2$
Node No.		P <sub>x'</sub>	Support Forces [kip	)] P <sub>25</sub>	Support Mo	oments [kipft]	ASD REACTI		Support Forces [kip] SHEAR RESULTANT	Support Moments [kipft] MOMENT RESULTANT	Support Forces [kip	b] Support Forces [kip] AXIAL	Node No.		P <sub>x<sup>e</sup></sub>	Support Forces [I	kip] P <sub>2</sub> ,	Support M	oments [kipft] Myr	ASD REACTION		Support Forces [kip] SHEAR RESULTANT	Support Moments [kipft] MOMENT RESULTANT	Support Forces [kip] UPLIFT	Support Forces [kip] AXIAL
		A			1000 <b>N</b>	MAX			6.621	118.082	1.848	-5.129							MAX			6.621	118.082	1.848	-5.129
Node No.	Max	P <sub>x</sub> 4.635	Support Forces [kip P <sub>Y</sub> 3.425	P <sub>z</sub> 0.555	M <sub>x</sub> 0.000	pport Moments [ki M <sub>Y</sub> 73.219	ipft] Mz 0.260							Max P <sub>z</sub> Min P <sub>z</sub> Max M <sub>x</sub>	-1.957 -2.704 -1.635	-4.265 -4.469 -6.043	1.848 -5.050 -4.374	75.994 84.529 <b>112.166</b>	-26.233 -35.997 -18.298	-0.164 -0.137 0.080	CO 4 CO 11 CO 10	4.693 5.223 6.260	80.394 91.875 113.649	1.848	-5.050 -4.374
	Min Max P <sub>x</sub> Min P <sub>x</sub>	0.000 4.635 0.000	0.000 2.365 0.000	-2.348 -2.348 0.000	-45.538 -38.047 0.000	0.000 73.219 0.000	-0.330 -0.200 0.000	CO 10	5.204	82.514		-2.348		Min M <sub>X</sub> Max M <sub>Y</sub>	-0.462 2.291	1.430 -1.329	-0.604 -2.428	<b>-5.227</b> 24.511	-5.436 <b>24.072</b>	-0.013 -0.007	CO 19 CO 16	1.503 2.649	7.541 34.355		-0.604 -2.428
	Max P <sub>Y</sub> Min P <sub>Y</sub>	2.359 0.000	3.425 0.000	-2.299 0.000	-43.847 0.000	37.808 0.000	-0.024 0.000	CO 15	4.159 0.000	57.896 0.000	0.555	-2.299		Min M <sub>Y</sub> Max M <sub>Z</sub> Min M <sub>Z</sub>	-2.716 -0.911 -2.716	-2.258 -5.071 -2.258	-3.697 -3.168 -3.697	43.556 93.997 43.556	-40.004 -9.012 -40.004	-0.265 0.204 -0.265	CO 32 CO 31 CO 32	3.532 5.152 3.532	59.139 94.428 59.139		-3.697 -3.168 -3.697
	Max P <sub>z</sub> Min P <sub>z</sub> Max M <sub>x</sub>	3.855 4.635 0.000	2.333 2.365 0.000	0.555 -2.348 0.000	-34.985 -38.047 0.000	60.678 73.219 0.000	-0.206 -0.200 0.000	CO 5 CO 10	4.506 5.204 0.000	70.041 82.514 0.000	0.555	-2.348	35	Max Min Max P <sub>x</sub>	2.214 -2.173 <b>2.214</b>	3.921 0.000 0.738	0.197 -4.609 -0.743	0.000 -76.805 -14.852	18.785 -44.312 18.785	0.009 -0.083 0.009	CO 18	2.334	23.947		-0.743
	Min M <sub>X</sub> Max M <sub>Y</sub> Min M <sub>Y</sub>	4.068 4.635 0.000	2.914 2.365 0.000	-2.317 -2.348 0.000	-45.538 -38.047 0.000	65.413 73.219 0.000	0.089 -0.200 0.000	CO 11 CO 10	5.004 5.204 0.000	79.703 82.514 0.000		-2.317 -2.348		Min P <sub>X</sub> Max P <sub>Y</sub> Min P <sub>Y</sub>	-2.173 -1.193 0.000	3.883 3.921 0.000	-3.875 -3.281 0.000	-76.805 -60.125 0.000	-44.312 -24.284 0.000	-0.048 0.004 0.000	CO 11 CO 15	4.450 4.098 0.000	88.671 64.844 0.000		-3.875 -3.281
6	Max M <sub>z</sub> Min M <sub>z</sub> Max	3.162 3.885 3.192	2.230 1.617 1.960	0.467 -1.608 0.197	-35.073 -26.074 72.268	47.895 60.789 45.425	0.260 -0.330 0.007	CO 33 CO 31	3.869 4.208	59.364 66.145	0.467	-1.608		Max P <sub>z</sub> Min P <sub>z</sub> Max M <sub>x</sub>	-1.474 -1.358 0.000	2.703 2.573 0.000	0.197 -4.609 0.000	-50.274 -53.243 0.000	-28.979 -30.502 0.000	-0.003 0.001 0.000	CO 5 CO 10	3.079 2.909 0.000	58.028 61.361 0.000	0.197	-4.609
	Min Max P <sub>x</sub> Min P <sub>x</sub>	0.000 3.192 0.000	-3.544 -1.906 0.000	-4.562 -3.279 0.000	-13.656 38.792 0.000	0.000 45.275 0.000	-0.082 0.005 0.000	CO 14	3.718 0.000	59.621 0.000		-3.279		Min M <sub>x</sub> Max M <sub>y</sub> Min M <sub>y</sub>	-2.173 2.214 -2.173	3.883 0.738 3.883	-3.875 -0.743 -3.875	-76.805 -14.852 -76.805	-44.312 18.785 -44.312	-0.048 0.009 -0.048	CO 11 CO 18 CO 11	4.450 2.334 4.450	88.671 23.947 88.671		-3.875 -0.743 -3.875
	Max P <sub>Y</sub> Min P <sub>Y</sub> Max P <sub>Z</sub>	0.456 2.341 1.786	<b>1.960</b> -3.544 -2.390	-0.740 -3.886 <b>0.197</b>	-13.656 72.268 47.001	9.179 45.425 32.241	0.004 -0.047 -0.002	CO 19 CO 10 CO 4	2.012 4.247 2.984	16.454 85.359 56.996	0.197	-0.740 -3.886	39	Max M <sub>z</sub> Min M <sub>z</sub> Max	2.211 -1.529 1.794	0.742 3.219 2.149	-2.534 -0.812 0.555	-14.958 -64.219 43.313	18.732 -33.472 14.049	0.009 -0.083 0.266	CO 16 CO 4	2.332 3.564	23.971 72.419		-2.534 -0.812
	Min P <sub>z</sub> Max M <sub>x</sub> Min M <sub>x</sub>	1.558 2.341 0.456	-2.272 -3.544 1.960	-4.562 -3.886 -0.740	49.433 72.268 -13.656	32.235 45.425 9.179	0.005 -0.047 0.004	CO 11 CO 10 CO 19	2.755 4.247 2.012	59.015 85.359 16.454		-4.562 -3.886 -0.740		Min Max P <sub>x</sub> Min P <sub>x</sub>	-4.395 <b>1.794</b> - <b>4.395</b>	-2.694 -0.538 -2.148	-2.337 -0.454 -2.330	-19.704 8.560 35.873	-70.658 14.049 -70.658	-0.307 -0.009 -0.188	CO 18 CO 11	1.873 4.892	16.451 79.243		-0.454 -2.330
	Max M <sub>Y</sub> Min M <sub>Y</sub> Max M <sub>Z</sub>	2.341 0.000 1.236	-3.544 0.000 -1.600	-3.886 0.000 -1.377	72.268 0.000 31.739	45.425 0.000 22.314	-0.047 0.000 0.007	CO 10 CO 12	4.247 0.000 2.022	85.359 0.000 38.798		-3.886		Max P <sub>Y</sub> Min P <sub>Y</sub> Max P <sub>Z</sub>	-0.919 -3.818 -3.538	<b>2.149</b> -2.694 -2.017	-0.452 -2.337 <b>0.555</b>	-19.704 43.313 31.660	-14.620 -62.722 -57.344	-0.017 0.103 -0.206	CO 19 CO 10 CO 4	2.337 4.673 4.073	24.536 76.224 65.503	0.555	-0.452 -2.337
11	Min M <sub>z</sub> Max Min	1.842 3.217 0.000	-2.906 6.366 0.000	-0.812 1.848 -5.115	60.939 0.000 -116.429	36.734 43.146 0.000	-0.082 0.186 -0.289	CO 5	3.441	71.154		-0.812		Min P <sub>z</sub> Max M <sub>x</sub> Min M <sub>x</sub>	-3.818 -3.818 -0.919	-2.694 -2.694 2.149	-2.337 -2.337 -0.452	43.313 43.313 -19.704	-62.722 -62.722 -14.620	0.103 0.103 -0.017	CO 10 CO 10 CO 19	4.673 4.673 2.337	76.224 76.224 24.536		-2.337 -2.337 -0.452
1 1 1	Max P <sub>x</sub> Min P <sub>x</sub> Max P <sub>y</sub>	3.217 0.000 1.821	1.329 0.000 <b>6.366</b>	-2.414 0.000 -4.342	-24.319 0.000 -116.429	34.755 0.000 19.690	-0.006 0.000 0.068	CO 16 CO 11	3.481 0.000 6.621	42.418 0.000 118.082		-2.414 -4.342		Max M <sub>Y</sub> Min M <sub>Y</sub> Max M <sub>7</sub>	1.794 -4.395 -2.649	-0.538 -2.148 -2.312	-0.454 -2.330 -1.600	8.560 35.873 37.206	<b>14.049</b> - <b>70.658</b> -44.449	-0.009 -0.188 <b>0.266</b>	CO 18 CO 11 CO 31	1.873 4.892 3.516	16.451 79.243 57.966		-0.454 -2.330 -1.600
	Min P <sub>Y</sub> Max P <sub>Z</sub> Min Pz	0.000 2.272 2.910	<b>0.000</b> 4.579 4.750	0.000 <b>1.848</b> - <b>5.115</b>	0.000 -79.287 -88.031	0.000 29.522 37.840	0.000 -0.160 -0.151	CO 5 CO 10	0.000 5.112 5.571	0.000 84.605 95.819	1.848	-5.115		Min M <sub>z</sub>	-3.527	-1.316	-1.558	22.978	-56.746	-0.307	CO 32	3.765	61.222		-1.558
	Max M <sub>x</sub> Min M <sub>x</sub> Max M <sub>y</sub>	0.000 1.821 3.031	0.000 6.366 2.631	0.000 -4.342 -3.861	0.000 -116.429 -48.207	0.000 19.690 <b>43.146</b>	0.000 0.068 -0.289	CO 11 CO 31	0.000 6.621 4.014	0.000 118.082 64.695		-4.342 -3.861					IZED	IWR	C						
	Min M <sub>Y</sub> Max M <sub>Z</sub> Min M <sub>7</sub>	0.000 1.439 3.031	0.000 4.994 2.631	0.000 0.888 -3.861	0.000 -90.304 -48.207	0.000 13.545 43.146	0.000 0.186 -0.289	CO 33 CO 31	0.000 5.197 4.014	0.000 91.314 64.695	0.888	-3.861			<u>6 X 1</u>	9 IW	/RC								
17	Max Min Max P <sub>x</sub>	2.291 -2.609 <b>2.291</b>	1.430 -6.047 -1.324	1.833 -5.064 -0.612	112.275 -5.228 24.375	24.063 -38.239 24.043	0.258 -0.222 -0.007	CO 18	2.646	34.238		-0.612		l	MPROV	ED PL	OW STE	EL / EX	TRA IM	PROVE	D PLOV	V STEEL			
-	Min P <sub>X</sub> Max P <sub>Y</sub> Min P <sub>y</sub>	-0.462 -1.496	-2.260 1.430 -6.047	-3.709 -0.604 -4.393	43.589 -5.228 112.275	-38.239 -5.445 -15.881	-0.222 -0.014 0.132	CO 32 CO 19 CO 10	3.452 1.503 6.229	57.985 7.549 113.393		-3.709 -0.604 -4.393			DIAM	INAL ETER	IP	S		RENGTI	Н	WEIGHT	STOCK		
	Max P <sub>z</sub> Min P <sub>z</sub> Max M <sub>y</sub>	-1.867 -2.578 -1.496	-4.264 -4.468 -6.047	1.833 -5.064 -4.393	75.998 84.520 112.275	-24.736 -33.866 -15.881	-0.132 -0.090 0.132	CO 10 CO 4 CO 11 CO 10	4.655 5.158 6.229	79.922 91.052 113.393	1.833	-5.064			1/ 5/1	4"		3S		LBS 6,120 9,480		LBS/FT 0.105 0.164	6X19 J42 K42		
	Min M <sub>X</sub> Max M <sub>Y</sub>	-0.462 2.290	1.430 -1.329	-0.604 -2.427	<b>-5.228</b> 24.522	-5.445 <b>24.063</b>	-0.014 -0.007	CO 19 CO 16	1.503 2.648	7.549 34.356		-0.604 -2.427			3/ 7/1	'8" 16"	11,	800 000		13,600 18,360		0.236	L42 M42		
	Min M <sub>Y</sub> Max M <sub>Z</sub> Min M <sub>Z</sub>	-2.609 -0.776 -2.609	-2.260 -5.077 -2.260	-3.709 -3.186 -3.709	43.589 94.139 43.589	-38.239 -6.621 -38.239	-0.222 0.258 -0.222	CO 32 CO 31 CO 32	3.452 5.136 3.452	57.985 94.372 57.985		-3.709 -3.186 -3.709			9/1	2" 16" 8"	20, 26, 32,	100	d	24,000 30,200 37,000	_	0.420 0.530 0.660	N42 042 A42		
23	Max Min Max P <sub>x</sub>	3.215 0.000 <b>3.215</b>	6.370 0.000 1.329	1.833 -5.129 -2.414	0.000 -116.543 -24.311	41.264 0.000 34.736	0.237 -0.243 -0.006	CO 16	3.479	42.398		-2.414			3/	4" '8"	46,			53,000 71,600		0.950	Q42 R42	6	<u>× 19+1</u> WF
	Min P <sub>x</sub> Max P <sub>y</sub> Min P <sub>y</sub>	0.000 1.677 0.000	0.000 6.370 0.000	0.000 -4.361 0.000	0.000 -116.543 0.000	0.000 17.181 0.000	0.000 0.123 0.000	CO 11	0.000 6.587 0.000	0.000 117.803 0.000		-4.361				/8" /4"	80, 101 125	,800	1	93,000 17,000 43,800		1.680 2.130 2.630	\$42 T42 U42		
	Max P <sub>z</sub> Min P <sub>z</sub> Max M <sub>x</sub>	2.181 2.781 0.000	4.578 4.749 0.000	1.833 -5.129 0.000	-79.289 -88.025 <b>0.000</b>	28.022 35.660 0.000	-0.128 -0.103 0.000	CO 5 CO 10	5.071 5.503 0.000	84.095 94.974 0.000	1.833	-5.129			1 3	/8" /2"	150			72,800		3.180 3.780	V42 W42		
	Min M <sub>x</sub> Max M <sub>y</sub> Min M <sub>y</sub>	1.677 2.918 0.000	6.370 2.634 0.000	-4.361 -3.873 0.000	-116.543 -48.250 0.000	17.181 41.264 0.000	0.123 -0.243 0.000	CO 11 CO 31	6.587 3.931 0.000	117.803 63.488 0.000		-4.361 -3.873			Wire Ro	ope Thi	mbles								
29	Max M <sub>z</sub> Min M <sub>z</sub> Max	1.005 2.918 2.291	5.464 2.634 1.430	-3.058 -3.873 1.848	-99.016 -48.250 112.166	8.230 41.264 24.072	0.237 -0.243 0.204	CO 32 CO 31	5.556 3.931	99.357 63.488		-3.058 -3.873					1								
	Min Max P <sub>x</sub> Min P <sub>x</sub>	-2.716 2.291 -2.716	-6.043 -1.323 -2.258	-5.050 -0.612 -3.697	-5.227 24.365 43.556	-40.004 24.054 -40.004	-0.265 -0.007 -0.265	CO 18 CO 32	2.646	34.238 59.139		-0.612 -3.697				201-0		Dip galvanized				0.19	B A H		
	Max P <sub>Y</sub> Min P <sub>Y</sub>	-0.462 -1.635	1.430 -6.043	-0.604 -4.374	-5.227 112.166	-5.436 -18.298	-0.013 0.080	CO 19 CO 10	1.503 6.260	7.541 113.649		-0.604 -4.374					10	standard choic ditions.	e for light duty	applications and	d loading				
													-1		Otondovd								F		
															Rope Dia	a	G-411 Stock No	Weight	Per 100 s.)	A	вс	Dimensions (in.)	G H		
	_=														1/8	5 6-7	1037256 1037274 1037292 1037318	3. 3. 3. 4.	50	1.94 1. 1.94 1.	.31 1.06	.69 .31 .22 .69 .38 .28	5         .05         .13           2         .05         .13           8         .05         .13           4         .05         .13		
		П			190/	F5 Fire	erate	d spe	cificatio	ns		- <u></u>			3/8 1/2 5/8	9-10 11-13 16	1037336 1037354 1037372 1037390	6. 12 34	70 .50	2.38 1. 2.75 1. 3.50 2.	.63 1.47 .88 1.75 .25 2.38	.94 .53 .41 1.13 .69 .53	1 .06 .16 3 .08 .19 6 .13 .34		
	- <u>-</u> / <u>/</u>	TERN	ATION	À.L	Standa	rd rang	e		Revision	0 28	3-Oct-12				7/8 1 1-1/8 - 1-1/4	22 24-26 28-32	1037416 1037434 1037452	84 97 175	.60 .50 .00	5.00         3.           5.69         4.           6.25         4.	.50 3.19 .25 3.75 .50 4.31	1.881.27.942.501.391.02.751.751.3	4 .16 .44 16 .16 .41 11 .22 .50		
					Average	Average Warp break	Averag			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		CONVERSION TO MPERIAL UNITS:	5		G-411 meets the pe	erformance requir	ements of Federal S	pecification FF-1-2	76b Type II, except	for those provisions	s required of the col	ntractor. For additional inf	formation, see page 444.		
	Des	ert Sand	80	UV Block %	GSM 185	strength kg	gs %	strengti 72	n kgs 1%	Kpaiii	10.84	185 GSM = .0378 185 KGS = 110 Lb	sf 🛛			BASIC	LOAD CASE	<u>:S</u>							
		Blue 2014	80 - 1	85	185 185 185	50 50 50	40	72	73	156	30000 0	72 KGS = 159 Lb L56 Kpa = 3258 ps				DEAD FLOOF	LOAD R LIVE LOAD			0.0373 N/A	8 PSF (FABF	RIC)			
		Red Silver	80 80 75	86		50 50 50	40.40		73	156	0.84					ROOF	LIVE LOAD SNOW LOAI RIMPOSED L			5 PSF 5 PSF N/A					
	and the second s	racotta	<b></b>	89	185	50	= <u></u> 340=	159	LB 73	3258 PSF	0.84					WIND ULTIM	LOAD ATE DESIGN	I WIND SPEI	ED (3 SEC G	GUST) 115 M	1PH				
		lotes	× 1	ear tests are	done using a	50mm wide s	strip and a cro	oss head spee	or Small scale Fab d of 500mm/min mannle by our Quality C	ics	nation provided is con-	sidered					CITY PRESS ONENT AND CABLE AND	URE qz CLADDING	qz	25.32	PSF				
172.4			_	o be a good reflec	tion of the relevan	t properties of the	e fábřic tesféd. Thi	ese results must or	a week to conside the community of the week of the second s	n of the quality and characte	A second s	All a submersion and				SEISM	IC LOAD			1.6					
			1/200	ĨI								je:	×				N BASE SHE		_ 00	23779	) LB				
			eon Joubert								nmy Rogers		Ţ												
			eneral Manag	ei aiviultiknii	r "L.TA) ELO					" Ma	SUB DIRECTOR	<u>Multiknit (Pty) Lto</u>													
						۵	∟⁄,	43																	
														88											

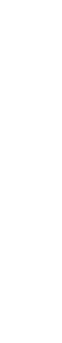












Zinc



pating for	corrosion resistanc	e.						
Eye				Clevis				
nside		Inside	Inside	Pin	Pin	Capacity,		
g.	ID	Wd.	Lg.	Dia.	Туре	lbs.	Fabrication	Specifications Met
3/4"	364	1/2"	3/4"	184	Cotter	800	Forged	Fed. Spec. RR-C-271
3/4"	1"	1/2"	13/18"	5/16"	Cotter	1,200	Forged	Fed. Spec. RR-C-271
	1 194"	11/18"	1 1/16"	3/8"	Cotter	2,200	Forged	Fed. Spec. RR-C-271
194 <sup>er</sup>	1 1/2"	364	1 3/8"	1/2"	Cotter	3,600	Forged	Fed. Spec. RR-C-271
in"	1 3:4"	15/18"	1.12	5.2°	Cotter	5,200	Forged	Fed Spec RR-C-271
194 <sup>m</sup>	2"	1 1/8"	1 3/4"	3/4"	Cotter	7,200	Forged	Fed. Spec. RR-C-271
1/8	Z 1/4"	1 3/16"	2 1/16"	7/8	Cotter	10,000	Forged	Fed. Spec. RK-C-271
1/4 <sup>m</sup>	3 1/8"	2 1/16"	2 13/18"	1 3/6"	Cotter	18,000	Forged	Fed. Spec. RR-C-271
194"	2 1/2"	1 3/4"	2 7/16"	1 1/8"	Cotter	12,500	Forged	Fed. Spec. RR-C-271

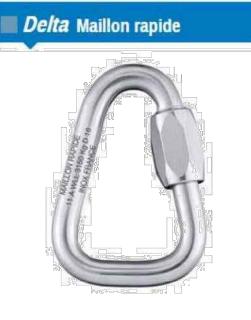
A forged fabrication allows these to be used in critical applications such as tie downs and support lines. They must be oriented with the saddle on the long (live) end and U-bolt on the short (dead) end. Also known as wire rope clips.

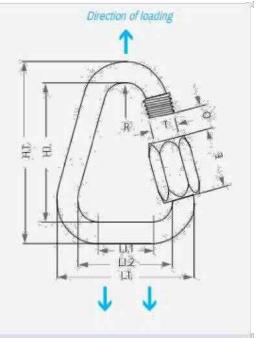
Galvanized steel clamps have a thick coating for corrosion resistance.

316 stainless steel clamps are the most corrosion resistant fittings we offer. They provide excellent resistance to salt water and

Warning: Test all assemblies for required strength before use. Do not use with coated rope unless the coating is removed. Clamp \_\_\_\_\_

				and a second to be part			
Vo. of Clamps	Rope	Required					
Required	Turnback	Torque, ftlbs.	Ht.	Wd.	Thick.	Capacity	Specifications Met
Steel							
2	3 1,4"	4.5	1 1/8"	1"	13/16"	80% of the Rope's Capacity	
2	3 314"	7.5	1 1/2"	1 3/16"	1"	80% of the Rope's Capacity	
2	4 314"	15	1 3/4	1 7/16"	1 1/4"	80% of the Rope's Capacity	Fed. Spec. FF-C-450
	5 1,4"	30	2 1/8"	1 11/18"	1 5/16"	80% of the Rope's Capacity	Fed. Spec. FF-C-450
2	6 1.2"	45	2 7/16"	2"	1 11/16"	80% of the Rope's Capacity	Fed. Spec. FF-C-450
2	7"	65	3 1/16"	2 5/16"	1 15/18"	80% of the Rope's Capacity	Fed. Spec. FF-C-450
3	11 1/2"	65	3 1/16"	2 5/16"	1 15/18"	80% of the Rope's Capacity	Fed. Spec. FF-C-450
3	12"	95	3 58"	2 1/2"	2 1/16"	80% of the Rope's Capacity	Fed. Spec. FF-C-450
3	12"	95	3 5/8"	2 1/2"	2 1/16"	80% of the Rope's Capacity	Fed. Spec. FF-C-450
1	18"	130	4 ame''	2 7/8"	2 1/4"	80% of the Rope's Capacity	Fed. Spec. FF-C-450
1	19"	225	4 314"	3 3/16"	2 1/2"	80% of the Rope's Capacity	Fed. Spec. FF-C-450
5	26"	225	5 5/16"	3 1/2"	2 11/16"	90% of the Rope's Capacity	Fed. Spec. FF-C-450
3	34"	225	5 13/18"	3 5/8"	2 13/18"	90% of the Rope's Capacity	Fed. Spec. FF-C-450
7	44"	360	6 5/8"	4 3/16"	3 3/16"	90% of the Rope's Capacity	Fed. Spec. FF-C-450
7	44"	360	6 3/4"	4 1/4"	3 3/16"	90% of the Rope's Capacity	Fed. Spec. FF-C-450
3	54"	360	7 7/16"	4 1/2"	3 7/10°	90% of the Rope's Capacity	Fed. Spec. FF-C-450





Delta shape: developed after the ever-increasing development of webbing-fitted systems; perfect for webbing uphold onto its lower flat part.

; plated steel	2											Other materials and dimension		Stainless	steel   Zicnal
eference	Dian	neter				Dime	nsions -	mm				Weight	WLL	BL	Quote
CICICICO	mm	inches	L.T.	L.I.1	L.I.2	H.T.	H.I.	0	Ε	R	Т		kg	kg	Qty
RDZ02.5	2,5	3/32"	22	10	17	27	22	3,5	8	3,5	3,5	3	25	125	Þ 🦈
RDZ03.0	3	7/64"	27	12,5	21	30	24	4	9	4,25	4	6	40	200	Þ
RDZ03.5	3,5	1/8"	31	14	24	36	29	5	11	5	5	9	70	350	
IRDZ04.0	4	5/32"	35,5	16	27,5	40	32	5,5	12,5	5,75	6	14	100	500	Þ
RDZ05.0	5	3/16"	40	17	30	48	38	6,5	16	6,5	7	23	150	750	
RDZ06.0	6	1/4"	47	20,5	35	56	44	7,5	19	7,25	9	39	250	1250	
IRDZ07.0	7	9/32"	51	21	37	63	49	8,5	21,5	8	10	58	400	2000	Þ
RDZ08.0	8	5/16"	56	22,5	40	73	57	10	24	8,85	11	88	550	2750	Þ 🦈
RDZ09.0	9	3/8"	60	23	42	78	60	11	26	9,5	12	115	700	3500	
RDZ10.0	10	7/16"	66	25,5	46	87	67	12	29	10,25	13	153	900	4500	Þ
RDZ12.0	12	1/2"	75	27,5	51	104	80	15	33	11,75	15	256	1100	5500	Þ 🔊
RDZ14.0	14	9/16"	85	30,5	57	123	95	17	38,5	13,25	17	404	1800	9000	
RDZ16.0	16	5/8"	93	31,5	61	138	106	19	45	14,75	19	612	2200	11000	
RDZ18.0	18	11/16"	102	32,5	66	155	119	23	52	16,25	22	845	2600	13000	
RDZ20.0	20	25/32"	112	31,5	72	176	136	24	60	17,75	24	1185	3000	15000	
Vorking load limit. eaking load.												nd <b>din</b> ension	8	Stainless	steel   Zicral

5/32 QUICK	LINK UNI	<b>TS CONVERSION</b>

										WORKING	BREAKING
LT	LI1	LI2	HT	HI	0	E	R	Т	WEIGHT	LOAD	LOAD
[in]	[in]	[in]	[in]	[in]	[in]	[in]	[in]	[in]	[lb]	[lb]	[lb]
4.409	1.240	2.835	6.929	5.354	0.945	2.362	0.699	0.945	2.61	6613	33069
-6-105	1112.10	21000	0,525	0,00-1	013-10	23002	0.055	01-10	1301	0010	00000

STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN PERMISSION. **USA**SHADE & Fabric Structures **CORPORATE HEADQUARTERS** 8505-A CHANCELLOR ROW DALLAS, TX, 75247 800-966-5005 **CERTIFICATIONS:** IAS CERTIFICATION No: FA-428 CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (NEVADA): 355 CUSTOMER: Pleasanton USD PROJECT NAME: Thomas S. Hart MS LOCATION: 4433 Willow Road Pleasanton, CA 94588 MODEL NUMBER: DSA4183030-16 STRUCTURE TYPE: **TENSION SAILS** DSA MAXIMUM SIZE: 30' x 133' MAX. x 15'e SCALE : NONE DRAWING SIZE: D DATE DRW CHK ENG 08/10/2018 10:14:06 AM 8/10/2018 FILE NUMBER: PC-SS IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT APP. NO: 04 - 117140 INCR : AC \_\_\_\_\_\_ FLS \_\_\_\_\_ SS \_\_\_\_\_ DATE 08/14/2018 PRE-CHECK (PC) DOCUMENT Code : 2016 CBC A separate project application for construction is required. REV Eng. By : JO 02/28/18 MP 02/28/18 Design By : Approved By : JO 02/28/18 DRAWING DESCRIPTION: REACTIONS DWG. DSA4183030-16 SHEET 15.2-2000

REV.

NC

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