



# CODES

PART	IAL LIST OF APPLICABLE CODES	PARTIAL LIST OF APPLICABLE STAND		
2022	CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.	NFPA 13	STANDARD FOR AUTOMATIC FIRE SPRINKLER SYSTEMS (C/	
2022	CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. (2021 INTERNATIONAL BUILDING CODE	NFPA 14	AMENDED) STANDARD FOR STANDPIPE AND HOSE SYSTEMS (CA	
	VOLUMES 1 & 2 AND 2022 CALIFORNIA AMENDMENTS)	NFPA 17	AMENDED) STANDARD FOR DRY	
2022	CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. (2020 NATIONAL ELECTRICAL CODE AND 2022	NFPA 17A	CHEMICAL EXTINGUISHING SYSTEMS STANDARD FOR WET	
2022	CALIFORNIA AMENDMENTS) CALIFORNIA MECHANICAL CODE (CMC) PART		CHEMICAL EXTINGUISHING SYSTEMS	
	4, TITLE 24 C.C.R. (2021 UNIFORM MECHANICAL CODE AND 2022	NFPA 20	STANDARD FOR STATIONARY PUMPS FOR FIRE PROTECTIO	
2022	CALIFORNIA AMENDMENTS) CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.	NFPA 22	STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION	
	(2021 UNIFORM PLUMBING CODE AND 2022 CALIFORNIA AMENDMENTS)	NFPA 24	STANDARD FOR THE INSTALLATION OF PRIVATE	
2022	CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.		FIRE MAINS AND THEIR APPURTENANCES (CA	
2022 2022	CALIFORNIA HISTORICAL BUILDING CODE (CHBC), PART 8, TITLE 24 C.C.R. CALIFORNIA FIRE CODE, PART 9, TITLE 24	NFPA 72	AMENDED) NATIONAL FIRE ALARM & SIGNALING CODE (CA	
2022	C.C.R. (2021 INTERNATIONAL FIRE CODE AND 2022	NFPA 80	AMENDED) STANDARD FOR FIRE DOORS	
2022	CALIFORNIA AMENDMENTS) CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 C.C.R.	NFPA 2001	AND OTHER OPENING PROTECTIVES STANDARD ON CLEAN AGENT	
	(2021 INTERNATIONAL EXISTING CODE AND 2022 CALIFORNIA AMENDMENTS)		FIRE EXTINGUISHING SYSTEM (CA AMENDED)	
2022 2022	CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 C.C.R. CALIFORNIA REFERENCED STANDARDS, PART	UL 300	STANDARD FOR FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION	
	12,TITLE 24 C.C.R. 19 C.C.R., PUBLIC SAFETY, STATE FIRE		OF COMMERCIAL COOKING EQUIPMENT	
2019	MARSHAL REGULATIONS. ASME A17.1/B44-19 SAFETY CODE FOR	UL 464	AUDIBLE SIGNAL APPLIANCES FOR FIRE ALARM AND	
2020	ELEVATORS AND ESCALATORS ASME 18.1 - SAFETY STANDARD FOR PLATFORM LIFTS AND STAIRWAY CHAIR LIFTS	UL 521	SIGNALING SYSTEMS, INCLUDING ACCESSORIES STANDARD FOR HEAT	
			DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS	
		UL 1971	STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED	
	DARDS REFER TO 2022 CBC (SFM) CHAPTER 35 CALIFORNIA FIRE CODE CHAPTER 80.	ICC 300	STANDARD FOR BLEACHERS,	

### AND CALIFORNIA FIRE CODE CHAPTER 80. M) CHAPTER 35 SEE CALIFORNIA BUILDING CODE, CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS.

51	OF APPLICABLE STANDARDS	
	STANDARD FOR AUTOMATIC FIRE SPRINKLER SYSTEMS (CA	2022 ED
	AMENDED) STANDARD FOR STANDPIPE AND HOSE SYSTEMS (CA	2019 ED
	AMENDED) STANDARD FOR DRY CHEMICAL EXTINGUISHING	2021 ED
	SYSTEMS STANDARD FOR WET CHEMICAL EXTINGUISHING	2021 ED
	SYSTEMS STANDARD FOR STATIONARY PUMPS FOR FIRE PROTECTION	2019 ED
	STANDARD FOR PROTECTION STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION	2018 ED
	STANDARD FOR THE INSTALLATION OF PRIVATE FIRE MAINS AND THEIR APPURTENANCES (CA AMENDED)	2022 ED
	NATIONAL FIRE ALARM & SIGNALING CODE (CA AMENDED)	2022 ED
	AMENDED) STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES	2019 ED
	STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CA AMENDED)	2018 ED
	STANDARD FOR FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF COMMERCIAL COOKING EQUIPMENT	2005 (R2014)
	AUDIBLE SIGNAL APPLIANCES FOR FIRE ALARM AND SIGNALING SYSTEMS,	2003 ED
	INCLUDING ACCESSORIES STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS	1999 ED (R2005)
	STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED	2002 ED (R2018)

### STANDARD FOR BLEACHERS, 2017 ED. FOLDING AND TELESCOPING SEATING AND GRANDSTANDS

# STATEMENT OF GENERAL CO

THE DRAWINGS OR SHEETS LISTED ON THE INDEX SHEE THIS DRAWING PAGE OF SPECIFICATIONS/CALCULATION () HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT I

- DESIGN INTENT AND APPEARS TO MEET THE APPROPRIA CALIFORNIA CODE OF REGULATIONS AND THE PROJECT
- COORDINATION WITH MY PLANS AND SPECIFICATIONS A INTO THE CONSTRUCTION OF THIS PROJECT.

THE STATEMENT OF GENERAL CONFORMANCE "SHALL NOT BE DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17302 AND 8 4-336, 4-341 AND 4-344" OF TITLE 24, PART 1. (TITLE 24, PART 1, S I CERTIFY THAT:

THE PC APPROVED MANUFACTURER DRAWINGS PC# 04-1220 GENERAL CONFORMANCE WITH THE PROJECT DESIGN INTENT, THE PROJECT PLANS AND SPECIFICATIONS.

SIGNATURE

ARCHITECT OR ENGINEER DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE JENNIFER HUANG

PRINT NAME C-35691

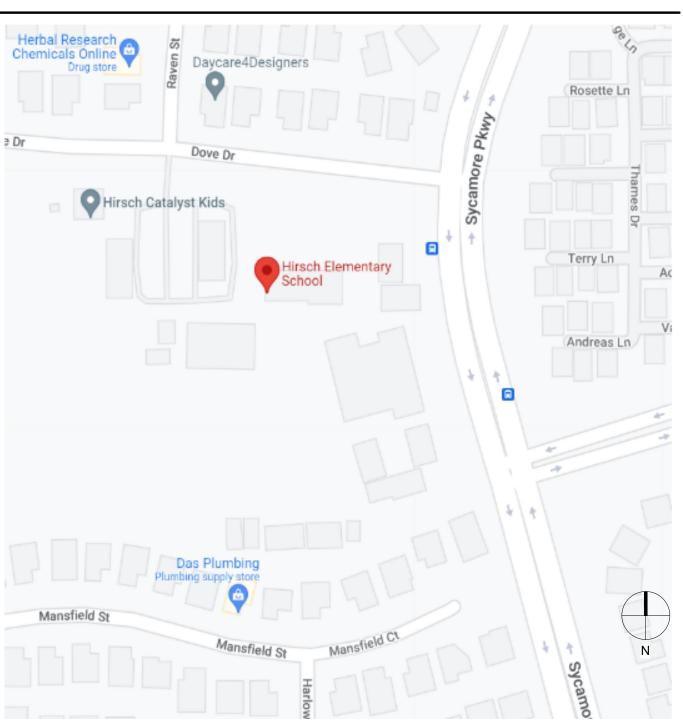
LICENSE NUMBER

# **ABBREVIATIONS**

(E)	EXISTING	FRP	FIBERGLASS REINFORCED PLASTIC	PTC	POST TENSIONED CONCRETE	NONE
AB	ANCHOR BOLT	FRT	FIRE RETARDANT TREATED	PTD	PAPER TOWEL DISPENSER	I I I I I I I I I I I I I I I I I I I
AC PAVING	ASPHALTIC CONCRETE PAVING	FS	FINISH SURFACE	PTN	PAPER TOWEL DISPENSER	
AC PAVING	ASPHALTIC CONCRETE PAVING	FTG				
CC		GB	FOOTING	PTS	PNEUMATIC TUBE STATION /	
CP	ACCESS/ACCESSIBLE ACOUSTICAL CEILING PANEL	GFRC	GRAB BAR GLASS FIBER REINFORCED	PVC	SYSTEM POLYVINYL CHLORIDE	
CT	ACOUSTICAL CEILING FANEL	GFRC	CONCRETE	PVC PVMT	PAVEMENT	
J	ACOUSTICAL CEILING TILE ADJACENT/ADJUSTABLE	GL	GLASS TYPE	QT	QUARRY TILE	
F	ABOVE FINISH FLOOR	GLB	GLUE LAMINATED BEAM	R	RADIUS, RISER	
G	AGGREGATE	GYP BD	GYPSUM BOARD	RB	RESILIENT BASE	
U	AIR HANDLING UNIT	GYP PLAS	GYPSUM PLASTIC	RD	ROOF DRAIN	
CH	ARCHITECTURAL	HB	HOSE BIBB	RECEPT	ECEPTACLE	
Г	ATTENUATION	HD	HEAVY DUTY	REF	REFERENCE	
то	AUTOMATIC	HDR	HEADER	REFL	REFLECT(ED), (IVE)	
	BOARD	HDWR	HARDWARE	REFL	REFLECT(ED), (IVE)	
CG	BLOCKING	HGT	HEIGHT	REFR	REFRIGERATOR	
R	BUILT UP ROOFING	HM	HOLLOW METAL	REINF	REINFORCE/REINFORCED/	
BT	CABINET	HP	HIGH POINT		REINFORCEMENT	
	CUBIC FEET	HSS	HOLLOW STEEL SECTION	REM	REMOVE	
	CONTRACTOR FURNISHED,	ID	INSIDE DIAMTER	RH	ROUND HEAD	
	CONTRACTOR INSTALLED	INT	INTERIOR	RHS	ROUND HEAD SCREW	
		INV	INVERT	RO	ROUGH OPENING	
DI	CONTRACTOR FURNISHED,	LANDS	LANDSCAPE	ROW	RIGHT OF WAY	
••	OWNER INSTALLED	LAV	LAVATORY	SCH	SCHEDULE (FOR PIPE)	
	CORNER GUARD		LONG LEG HORIZONTAL	SCHED	SCHEDULE / SCHEDULING	
	CONTROL JOINT		LONG LEG VERTICAL	SD	STORM DRAIN / SOAP DISPENSER	
	CENTER LINE		LOW POINT	SECT	SECTION	
ŗ	CHAIN LINK FENCE		LIGHT WEIGHT	SG	SAFETY GLASS	
२	CLEAR	LVR	LOUVER	SHT	SHEET	
Ù	CONCRETE MASONRY UNIT	MACH	MACHINE	SHTG	SHEATHING	
	CLEANOUT	MB	MACHINE BOLT	SMS	SHEET METAL SCREW	
_	COLUMN	MDF	MEDIUM DENSITY FIBERBOARD	SND	SANITARY NAPKIN DISPOSAL	
MP	COMPRESSION / COMPOSITE	MDO	MEDIUM DENSITY OVERLAY	SOV	SHUT OFF VALVE	1 1/1/
	CUBIC FEET	MECH	MECHANICAL	SPEC	SPECIFICATIONS	
ORD	COORDINATE	MED	MEDIUM	SS	STAINLESS STEEL	
RR	CORRUGATED	MEMB	MEMBRANE	STC	SOUND TRAMISSION CLASS	
	CERAMIC TILE	MFR	MANUFACTURER	STL	STEEL	He
SK	COUNTER SKUNK	MH	MANHOLE	STSMS	SELF TAPPING SHEET METAL	Che
1	CURTAINWALL	MO	MASONRY OPENING	SCREW		Crite
PR	DEPRESSED / DEPRESSION	MTD	MOUNTED	SUSP	SUSPENDED	
	DRINKING FOUNTAIN	MTL	METAL	SV	SHEET VINYL	
l	DIMENSION	NIC	NOT IN CONTRACT	SYM	SYMMETRICAL	1
P	DISPENSER	NR	NON RATED	Т	TREAD	
	DOWNSPOUT	NRC	NOISE REDUCTION COEFFICIENT	T&B	TOP AND BOTTOM	e Dr
<u> </u>	DETAIL	NTS	NOT TO SCALE	TO	TOP OF	
1	DISHWASHER	O/	OVER	TOC	TOP OF CURB / CONCRETE	
V	EACH WAY	O/A	OVERALL	TOP	TOP OF PARAPET	
6	EXTERIOR INSULATION FINISH	OC	ON CENTER	TOS	TOP OF STEEL	
TEM		OD	OUTSIDE DIAMTER	TOW	TOP OF WALL	
	EXPANSION JOINT	OFCI	OWNER FURNISHED, CONTRACTOR	TPD	TOILET PAPER DISPENSER	
C	ELECTRICAL		INSTALLED	TS	TACKABLE SURFACE	
V	ELEVATION / ELEVATOR	OFOI	OWNER FURNISHED, OWNER	U/C	UNDER CABINET (OR COUNTER	
L	ENCLOSE / ENCLOSURE		INSTALLED	UNO	UNLESS NOTED OTHERWISE	
		OFVI	OWNER FURNISHED, VENDOR	UR	URINAL	
i	EDGE OF SLAB		INSTALLED	VAC	VACUUM	
	ELECTRICAL PANEL	OH	OPPOSITE HAND	VB	VAPOR BARRIER	
	EQUAL	OPER	OPERABLE	VCT	VINYL COMPOSITION TILE	
_	EXCUTCHEON	OPNG		VIF	VERIFY IN FIELD	
;	ELECTRIC WATER COOLER	ORD	OVERFLOW ROOF DRAIN	VTR	VENT THROUGH ROOF	
	EXPOSED	P/L	PROPERTY LINE	VWC		
	FIRE ALARM	PA		W/	WITH	
2		PAF	POWDER ACTUATED FASTENER	W/O	WITHOUT	
2	FIRE DEPARTMENT CONNECTION	500	PAVING	WB	WOOD BASE	
2	FIRE EXTINGUISHER	PCC	PORTLAND CEMENT CONCRETE	WC	WATER CLOSET	
C	FIRE EXTINGUISHER W/ CABINET		PAVING	WD	WOOD	
	FINISH FLOOR	PED	PEDESTRIAN	WDW	WINDOW	
		PERF	PERFORATED	WGT		
		PERIM	PERIMETER	WH		
C	FIRE HOSE CABINET	PERP		WP	WATERPROOFING/WALL	
-1	FLAT HEAD SCREW	PH			PROTECTION	
	FINISH	PIV	POST INDICATOR VALVE	WR	WATER RESISTANT	
२		PL PLAM		WRGB	WATER RESISTANT GYPSUM	
C F	FACE OF CONCRETE FACE OF FINISH	PLAM PLAS	PLASTIC LAMINATE	MC	BOARD WOOD SCREW	
			PLASTER	WS WSCT	WOOD SCREW WAINSCOT	
M S	FACE OF MASONRY	PLUMB PNL	PLUMBING PANEL	WSCI	WAINSCOT WELDED WIRE FABRIC	
1		PNL PNT	PANEL PAINT / PAINTED	VVVVF		
	FIREPROOFING FIRE RATED	POC	PAINT / PAINTED POINT OF CONNECTION	NOTE:		
	FIRE RATED GLASS	POLY ISO	POINT OF CONNECTION POLYISOCYANURATE		BREVIATIONS USED ON THESE	
	TINE NATED GLAGO	POLYISO	PREFINISHED	-	ARE CONSIDERED STANDARDS IN	
		PREP	PREP / PREPARATION		NG INDUSTRY. CONTACT ARCHITECT	
					SSARY CLARIFICATION.	

MENT OF GENERA	L CONFORMANCE	<b>PROJECT DESCRIPTION</b>
RAWINGS OR SHEETS LISTED ON THE I RAWING PAGE OF SPECIFICATIONS/CA		-Construction and installation of (2) new 36'x40' PC Portable TK Classroom buildings by AMS.
	IONALS OR CONSULTANTS WHO ARE LICENSED AND/OR STATE. IT HAS BEEN EXAMINED BY ME FOR:	<ul><li>-Construction of concrete foundations for the portable classroom buildings.</li><li>-Construction of chain link fences and gates.</li></ul>
	APPROPRIATE REQUIREMENTS OF TITLE 24, IE PROJECT SPECIFICATIONS PREPARED BY ME,	<ul> <li>-Related civil site concrete and site utilities</li> <li>-Related electrical site utilities, and building low voltage.</li> <li>-Removal of an existing drinking fountain and replacement</li> </ul>
DINATION WITH MY PLANS AND SPECIF THE CONSTRUCTION OF THIS PROJECT	ICATIONS AND IS ACCEPTABLE FOR INCORPORATION	with a drinking fountain and bottle filler station All other items as shown in the drawings for a complete project.
	LL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, 7302 AND 81138 OF THE EDUCATION CODE AND SECTIONS 4, PART 1, SECTION 4-317 (B))	NOTE: SUBSTITUTIONS AFFECTING ITEMS REGULATED BY THE DIVISION OF THE STATE ARECHITECT (DSA) REQUIRE DSA APPROVAL AS AN ADDENDUM OR A
T: OVED MANUFACTURER DRAWINGS PC# NFORMANCE WITH THE PROJECT DESIG PLANS AND SPECIFICATIONS.	4 04-122050 LISTED ON THE INDEX SHEET ARE IN GN INTENT, AND THEY HAVE BEEN COORDINATED WITH	CONSTRUCTION CHANGE DOCUMENT (CCD). DSA APPROVAL SHALL BE OBTAINED PRIOR TO FABRICATION AND/OR INSTALLATION PER SECTION 4-338, PART 1, TITLE 24, CCR.
RENGINEER DESIGNATED TO BE IN   ANG   ANG   D5/31/25   BER   D5/31/25   EXPIRATION DATE   THIS PROJECT WILL NOT BE CERTIF	DATE	NOTE:THE CALIFORNIA ENERGY CODE SECION 10-103REQUIRES ACCEPTANCE TESTING ON ALL NEWLYINSTALLED LIGHTING CONTROLS, MECHANICALSYSTEMS, ENVELOPES, AND PROCESS EQUIPMENTAFTER INSTALLATION AND BEFORE PROJECTCOMPLETION. AN ACCEPTANCE TEST IS AFUNCTIONAL PERFORMANCE TEST TO HELPENSURE THAT NEWLY INSTALLED EQUIPMENT ISOPERATING AND IN COMPLIANCE WITH ENERGYCODE.LIGHTING CONTROLS ACCEPTANCE TESTS MUSTBE PERFORMED BY A CERTIFIED LIGHT CONTROLSACCEPTANCE TEST TECHNICIAN (ATT)MECHANICAL SYSTEM ACCEPTANCE TESTS MUSTBE PERFORMED BY A CERTIFIED MECHANICAL ATTFOR PROJECTS SUBMITTED ON OR AFTEROCTOBER 1,2021.A LISTING OF CERTIFIED ATT CAN BE FOUND AT:https://www.energy.ca.gov/programs-and-topics/progorams/acceptance-test-technician-certified-provider-progoram/acceptance.THE ACCEPTANCE TESTING PROCEDURES MUSTBE REPEATED, AND DEFICIENCIES MUST BECORRECTED BY THE BUILDER OR INSTALLINGCONSTRUCTION/INSTALLATION OF THE SPECIFIEDSYSTEMS CONFORM AND PASS THE REQUIREDACCEPTANCE CRITERIA.
		PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.
	DEFERRED ITEMS	ALTERNATES
POST TENSIONED CONCRETE PAPER TOWEL DISPENSER PARTITION PNEUMATIC TUBE STATION / SYSTEM POLYVINYL CHLORIDE PAVEMENT QUARRY TILE RADIUS, RISER RESILIENT BASE ROOF DRAIN ECEPTACLE REFERENCE REFLECT(ED), (IVE) REFLECT(ED), (IVE) REFLECT(ED), (IVE) REFRIGERATOR REINFORCE/REINFORCED/ REINFORCEMENT REMOVE ROUND HEAD ROUND HEAD SCREW ROUGH OPENING RIGHT OF WAY SCHEDULE (FOR PIPE) SCHEDULE (SCAP DISPENISEP	NONE	NONE

# VICINITY MAP



# SHEET INDEX

SHE	
	COVER SHEET LOCAL FIRE AUTHORITY SITE PLAN
CIVIL C0.1 C1.1	CIVIL GENERALNOTES AND ABBREVIATIONS DEMOLITION PLAN
C2.1	GRADING AND PAVING PLAN UTILITY PLAN
	OVERALL SITE PLAN AND CODE ANALYSIS ENLARGED SITE PLAN
ELECTRIC. E0.1	AL ELECTRICAL SCHEDULES, ONE-LINES, & GENERAL NOTES
E1.0 E1.1	POWER & SIGNAL SITE PLAN POWER & SIGNAL ENLARGED PLAN - RELOCATABLE CLASSROOM
E2.0 E3.0	POWER & SIGNAL DETAILS FIRE ALARM GENERAL NOTES, RISER DIAGRAM, & SCHEDULES
E3.1 E3.2	FIRE ALARM SITE PLAN FIRE ALARM ENLARGED SITE PLAN - RELOCATABLE CLASSROOM
AMS CLAS N3.0-N	SROOM DRAWINGS TYPICAL SCHEDULES - DOORS, WINDOWS &
-	FINISHES TYPICAL FLOOR PLAN RESTROOM FLOOR PLAN OPTIONS - AGE
A4.0-N	RANGE 3-4 INTERIOR ELEVATIONS TYPICAL CLASSROOM
A4.1-N A5.4-N	INTERIOR ELEVATIONS RESTROOM OPTIONS TYPICAL EXTERIOR ELEVATIONS - LAP SIDING OPTION
M1.0-N M1.1A-N	TYPICAL REFLECTED CEILING PLAN TYPICAL MECHANICAL PLAN
E1.0-N E1.2-N	TYPICAL ELECTRICAL PLAN ELECTRICAL NOTES & DETAILS DESTROOM OPTIONS DI LIMPING DI ANI 8
P1.0-N P.C. #04-12	RESTROOM OPTIONS PLUMBING PLAN & FIXTURE SCHEDULE 22050
TS TS-2	TITLE SHEET SHEET INDEX
D1 D2	FORM DSA-103 FORM DSA-103
N1.0 N1.0A	GENERAL NOTES & SPECIFICATIONS BELOW GRADE CONCRETE MIX DESIGN REQUIREMENTS
N2.0 N3.0	GENERAL NOTES & SPECIFICATIONS TYPICAL SCHEDULES - DOORS, WINDOWS & FINISHES
N4.0 EN.1A	ACCESSIBILITY STANDARDS AND DETAILS ENERGY CALCULATIONS SUMMATION SHEET
EN.1B EN.14	ENERGY CALCULATIONS SUMMATION SHEET ENERGY CALCULATIONS 36'x40' BUILDING
EN.15	GROUP 'C' ENERGY CALCULATIONS 36'x40' BUILDING GROUP 'C'
EN.74	ENERGY CALCULATIONS SUPPLEMENTAL SHEET
EN.75 EN.76	ENERGY CALCULATIONS SUPPLEMENTAL SHEET ENERGY CALCULATIONS SUPPLEMENTAL
A1.0	SHEET TYPICAL FLOOR PLAN
A1.5 A2.0	RESTROOM FLOOR PLAN OPTIONS - AGE RANGE 3-4 TYPICAL ROOF PLAN METAL STANDING SEAM
A2.2	(WITHOUT PARAPETS) TYPICAL ROOF DETAILS METAL STANDING
A4.0 A4.1	SEAM INTERIOR ELEVATIONS TYPICAL CLASSROOM INTERIOR ELEVATIONS RESTROOM OPTIONS
A5.4	TYPICAL EXTERIOR ELEVATIONS - LAP SIDING OPTION
A5.5 A7.1	TYP. ARCHITECTURAL DETAILS - LAP SIDING OPTION MISCELLANEOUS ARCHITECTURAL DETAILS
A7.3	TYPICAL LONGITUDINAL AND TRANSVERSE FRAME SECTIONS
S0.0 S1.1	STEEL MEMBER PROPERTIES CONCRETE FOUNDATION PLAN (50PSF LIVE LOAD + 15PSF FLOOR PARTITION LOAD)
S1.4 S1.5	CONCRETE FOUNDATION DETAILS CONCRETE FOUNDATION DETAILS
S1.6A S1.6B	STANDARD ANCHORAGE FOUNDATION DETAILS UPGRADED ANCHORAGE FOUNDATION
S1.0B	DETAILS CONCRETE FOUNDATION OPTIONAL UTILITY
S3.0	OPENINGS IN FOOTINGS FLOOR FRAMING PLAN & DETAILS FOR PLYWOOD FLOOR
S4.0	ROOF FRAMING PLAN AND DETAILS CROSS BRACING OPTION
S4.2 S5.0	ROOF FRAMING DETAILS CROSS BRACING OPTION MOMENT FRAME ELEVATIONS & DETAILS
S5.1 S8.0	MOMENT FRAME CONNECTION DETAILS WALL FRAMING ELEVATIONS & SCHEDULES -
S8.1 M1.0	WOOD STUDS WALL FRAMING DETAILS - WOOD STUDS TYPICAL REFLECTED CEILING PLAN
M1.0 M1.1A M1.4	TYPICAL REFLECTED CEILING PLAN TYPICAL MECHANICAL PLAN OPTIONS MECHANICAL AND CEILING DETAILS
M1.4 M1.5 M1.6	MECHANICAL AND CEILING DETAILS MECHANICAL & CEILING DETAILS MECHANICAL ROOF DETAILS
M1.7 M1.7A	CEILING NOTES & SPECIFICATIONS MECHANICAL NOTES & SCHEDULES
E1.0. E1.2	TYPICAL ELECTRICAL PLAN ELECTRICAL NOTES & DETAILS
P1.0	RESTROOM OPTIONS PLUMBING PLAN & FIXTURE SCHEDULE
P2.0 P3.0 TOTAL SHI	PLUMBING DETAILS & ACCESSIBLE DETAILS PLUMBING ISOMETRICS DRAWINGS EET COUNT: 79

# HMC Architects

## 3595005000

2101 CAPITOL AVENUE, SUITE 100 SACRAMENTO, CA 95816 (916) 368-7990 / WWW.HMCARCHITECTS.COM

# OWNER (209) 830-3245

ARCHITECT HMC ARCHITECTS

CIVIL ENGINEER 95762

CONSULTING (916) 626-5518

FACILITY: 1280 DOVE DR. **TRACY, CA 95376** 

PROJECT:

SHEET NAME: **COVER SHEET** 

DATE: 04/03/24 SHEET:

APPROVAL:



IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITEC

REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

APP: 02-122973 INC:

DATE: 03/12/2025

# PROJECT TEAM

TRACY UNIFIED SCHOOL DISTRICT 1875 LOWELL AVE, TRACY, CA 95376

C-35691

REN. 05/31/25

2101 CAPITOL AVE, SUITE 100, SACRAMENTO, CA 95816 (916) 368-7990

WARREN CONSULTING ENGINEERING 1117 WINDFIELD WAY, SUITE 110, EL DORADO HILLS, CA (916) 985-1870

### ELECTRICAL ENGINEER

**OPTIMIZED ENERGY AND FACILITIES** 5734 LONETREE BLVD, ROCKLIN, CA 95765

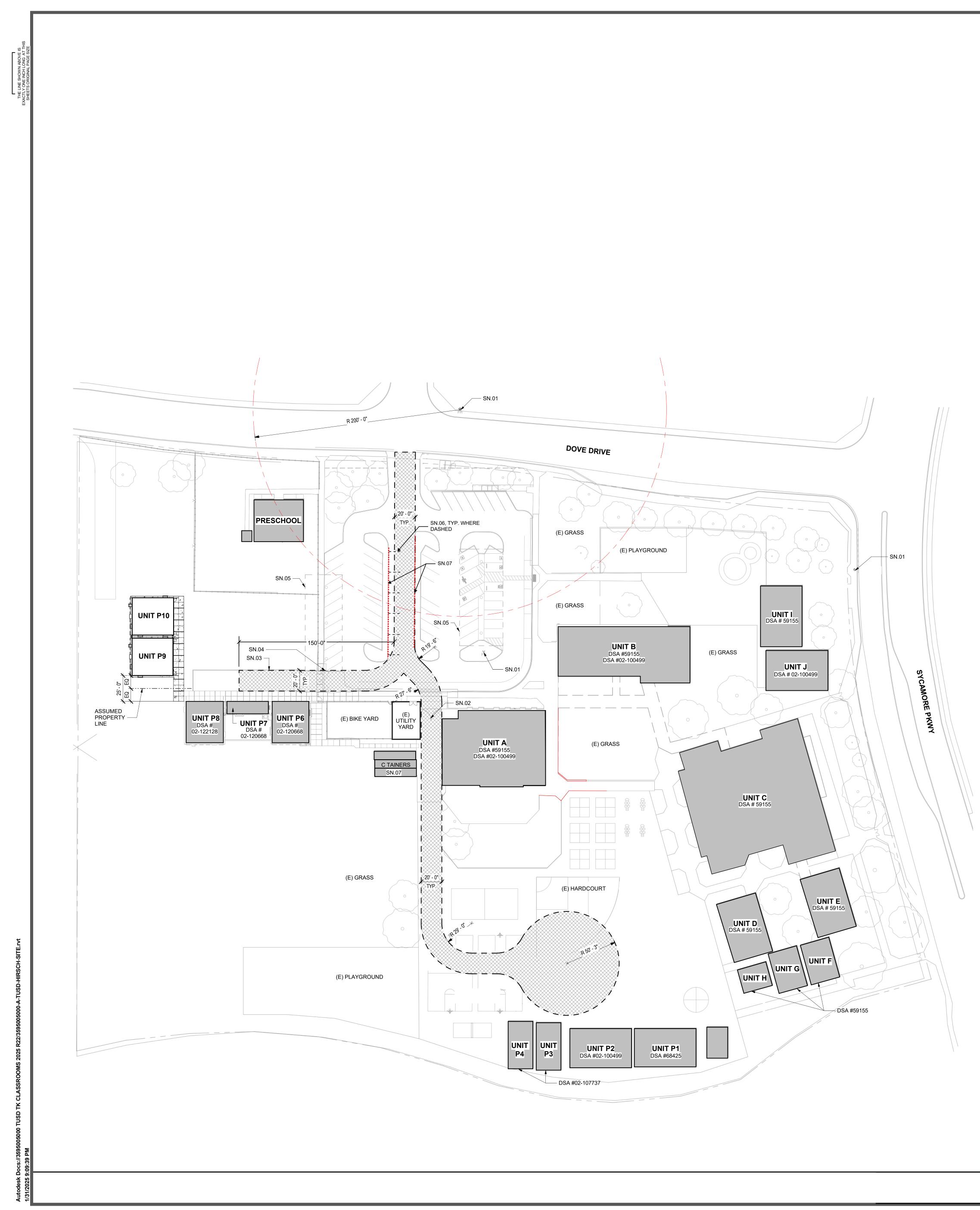
**HIRSCH ELEMENTARY SCHOOL** 

**HIRSCH ES - TK CLASSROOM** 

CONSTRUCTION DOCUMENTS

CLIENT PROJ NO: 359500500





LEGEND						
			OPERTY LINE		AGENCY APPROVAL:	DIV
	JINGS	PRC				APF
X EXISTING	BUILDINGS	×—× (E) (	CHAIN LINK FENC	E		SS
· · · · · · · · · · · · · · · · · · ·						DA
CONCRET	E WALK / PAVING	œ—————————————————————————————————————	ORNAMENTAL FE	NCE		
(E) FIRE LA	ANE	₩ (E) I	FIRE HYDRANT (N	ITS)		
		₩ (E) I FH				
						re
					,	ir sir
<b>DSA-810</b>	FIRE & LIFE S	AFETY SITE COM	NDITIONS SUI	BMITTAL	Т	RAC
PROJECT INFORMAITION	l					IED SCHOOL DIS
	ACY UNIFIED SCHOOL E	_			HMC Archit	ects
Project address: 128	0 DOVE RD, TRACY, CA	, 95376			3595005000	
FIRE & LIFE SAFTEY INFO	ORMATION ow test been preformed w	ithin the next 12 menths				
(If yes, provide a c	opy of the test data)	•	i es 🖉		2101 CAPITOL AVENUE, SUITI SACRAMENTO, CA 95816	E 100
3. Is the project locate	t water flow test performed d within a designated fire l	•	s		916 368 7990 / www.hmcarchite	ects.com
	e hazard zone classificat	-	Yes	] No 🔀	ISSUE	
	g for fire hazard zone loca re_prevention/fire_preve		derate High	Very High		
Wildland Interface A	Area (WIFA) as are checked, project d	esjan must meet the m		WIFA	A ADDENDUM "A"	
CBC Chapter 7A)		-	-			
				N/A N/R		
	access roadways do not r ative: Emergency vehicle	-		$\times$		
as proposed by the	architect is acceptable for ptection of life and propert	providing fire				
	nber and spacing does no ative: Number of fire hydra	•	nts			
proposed by the arc protection of life and	hitect is acceptable for fire property.	e suppression and				
	ter flow and pressure are l ative: The available flow a					
for providing fire su	opression and protection of artment connection(s) services and services artment connection(s)	f life and property.				
or standpipe system           7a.         Acceptable Alterna	n does not meet CFC requ ative: The location of fire o	irements. epartment connection				
serving the fire sprin for providing fire su	nkler system and/or stand opression and protection c	bipe system is acceptab f life and property.	ble			
By signing this form, the sci California Building Code (C	nool district acknowledges	and accepts the propos	sed design as an al juirements as indice	ternative to		
of more of the conditions ind and property.						
Accepted by:		Title:				
Signature:	// <b>=</b> A\	Date:				
LOCAL FIRE AUTHORITY	(LFA) INFORMATION					
LFA Review Official:						
Title: Work Email:		Work Phone:				
LFA Reviewer's Signature:		Date:				
FIRE FLOW T	EST					
	SCO					
	Protection	HYDRANT FLOW (NFPA 291) Other Than BCPU	1)			
Project Nar		Elementary				
Test made l		Time:	11-25-24 11:00am		SHEET NOTES	
	ive of: Cosco Fire Prote				SN.01 (E) FIRE HYDRANT SN.02 (E) 20'-0" GATE WITH	
	Joseph Hurley fect test, indicate pumps operat	ing:			SN.03 (E) FIRE LANE PER DS SN.04 (E) 20'-0" GATE WITH	SA #02-122128 KNOX BOX
	A <sub>1</sub>	A <sub>2</sub> A <sub>3</sub>	A4		SN.05 (E) SOLAR ARRAY PE SN.06 REMOVE STRIPING (	R DSA #02-1189 DF (E) STALLS
Flow hydra (GIS Objec Size Nozzle	t ID):				SN.07 PAINT CURB RED AN 30'-0" O.C.	LABEL "FIRE "FIRE
Water main	size: 8"					
GPM: Pitot Gage	1370gpmPressure:54psi					
Hydrant	_3'					
Elevation(to Total GPM	1370gpm	Dynamicromei	Ivdrant #: <b>1</b>			
<b>Residual H</b> Hydrant Ele Remarks:		Dynamic:22psi H				
	, , , , , , , , , , , , , , , , , , ,	,				
vary based o	ted above are based on system con n tank levels, system demand, and j . Show line sizes and distance to r	oump operation.				
branch size. Label B. Pro	p: Show line sizes and distance to r Show flowing hydrants – Label A <sub>1</sub> , essure drop at residual hydrant sho drop is reached.	A2, A3, A4. Show location of station	ic and residual –			
until a 10 psi Indicate B	-	akler Other (id	dentify)		FACILITY:	
					HIRSCH ELEMENTARY 1280 DOVE DR.	( SCHOOL
					TRACY, CA 95376	
					PROJECT:	
3850 Atherton Road Rock	lin, CA 95765   PH 916-652-1306	FAX 916-652-1307   C-10/C-1	16 577621   www.coscofi	ire.com	HIRSCH ES - TK CLAS	SROOM
SEE OTHER	SHEFTS FO					
THIS PLAN INCLUDES INF	ORMATION FOR LOCAL	FIRE AUTHORITY AP		EFER	SHEET NAME: LOCAL FIRE AUTHORI	TY SITE DI
TO OTHER SHEETS FOR					LUUAL FIRE AUTHURI	II JIE PL
					CONSTRUCTIO	
EMERGENCY						N DOCUI
NEW BUILDINGS SHALL P ACCORANCE WITH CALIF SHALL CONTACT THE LOO	ORNIA FIRE CODE SEC	TION 510. THE PROJEC	CT ARCHITECT (A	OR)	DATE: <b>04/03/24</b>	С
AUTHORITY TO OBTAIN D CRITERIA. PLANS AND RE	ESIGN, EQUIPMENT SPI QUEST DOCUMENTATION	ECIFICATIONS, TESTIN ON SHALL BE SUBMIT	NG AND ACCEPTA	ANCE AL	SHEET:	
AUTHORITY HAVING JURI OF THE APPROVED PLAN	SDICTION FOR REVIEW S, EQUIPMENT DATA SH	AND APPROVAL UPO IEETS, TESTING AND	ON COMPLETION, (			
DOCUMENTATION SHALL	DE PROVIDED TO THE S	DUTIOUL DISTRICT.				
-0"						



UCTION DOCUMENTS

AUTHORITY SITE PLAN

HYDRANT "GATE WITH KNOX BOX PER DSA #02-120668 LANE PER DSA #02-122128 "GATE WITH KNOX BOX AR ARRAY PER DSA #02-118909 E STRIPING OF (E) STALLS. CURB RED AND LABEL "FIRE LANE NO PARKING" AT

DATE: 03/12/2025 TRACY rchitects 00 REN. 05/31/25 /ENUE, SUITE 100 :A 95816 w.hmcarchitects.com



DATE

### CIVIL ABBREVIATIONS AND LEGEND

	ABBREVIATIONS
	NOT ALL ABBREVIATIONS BE USED ON THESE PLANS.
B C D	AGGREGATE BASE ASPHALTIC CONCRETE
٦N	AREA DRAIN ASSESSOR'S PARCEL NUMBER
RV SB	AIR RELEASE VALVE AGGREGATE SUB-BASE
C √ ₩	BLOW-OFF VALVE BUTTERFLY VALVE BACK OF WALK
/L 3	CENTERLINE CATCH BASIN
- MP	CLASS CORRUGATED METAL PIPE
ATV D	CABLE TELEVISION CLEANOUT
DMM DNC.	COMMUNICATION CONCRETE
ONST. R	CONSTRUCT CURB RETURN CONCRETE SURFACE
R S C DC	DOUBLE CHECK VALVE DOUBLE DETECTOR CHECK VALVE
3	DECOMPOSED GRANITE DROP INLET
A P	DIAMETER DUCTILE IRON PIPE
NG S	DRAWING DOWNSPOUT ELECTRIC
5 SMT	EDGE OF PAVEMENT EASEMENT
< S	EXISTING FIRE SERVICE LINE
DC -	FIRE DEPARTMENT CONNECTION FLOWLINE
- / -	SANITARY SEWER FORCE MAIN FINISHED FLOOR ELEVATION
। २	FIRE HYDRANT GAS GRATE ELEVATION
、 ₹D √	GRADE ELEVATION GATE VALVE
3 3D	HOSE BIBB HEADER BOARD
DPE	HIGH DENSITY POLYETHYLENE PIPE HIGH POINT
V 	PIPE INVERT ELEVATION JOINT UTILITY POLE LINEAL FEET
P -	LIP OF GUTTER LEFT
S TS	MOWSTRIP NOT TO SCALE
c C	OVERHEAD PORTLAND CEMENT CONCRETE
V	PLANTER DRAIN POST INDICATOR VALVE PROPERTY LINE
/L JE	POPERTY LINE POWER POLE PUBLIC UTILITY EASEMENT
VC CP	POLYVINYL CHLORIDE REINFORCED CONCRETE PIPE
М	RADIUS MANHOLE RIM ELEVATION (SOLID COVER)
D N	REDUCED PRESSURE BACKFLOW PREVENTER RIGHT OF WAY
CH D DMH	SCHEDULE STORM DRAIN STORM DRAIN MANHOLE
3	SUBGRADE ELEVATION SANITARY SEWER
SMH ГD	SANITARY SEWER MANHOLE STANDARD
/W	SIDEWALK TELEPHONE
	TOP OF CURB TRENCH DRAIN
CB R	TRENCH DRAIN CATCH BASIN TELEPHONE POLE TOP OF RAMP ELEVATION
R R W	TOP OF RETAINING WALL TOP OF SEAT WALL
N	TOP OF WALK ELEVATION UTILITY
G ON	UNDERGROUND UNLESS OTHERWISE NOTED
CP 7	VITRIFIED CLAY PIPE WATER
/ /0 V	WITH WITHOUT WATER VALVE

WATER VALVE

### **LEGEND**

NOTE: NOT ALL SYMBOLS MAY BE USED ON THESE PLANS.

(SDMH)

(SIZE AND FLOW SHOWN)

STORM DRAIN MANHOLE

FLOOR DRAIN (FD)

FINISHED FLOOR ELEVATION

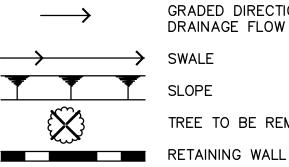
BUILDING PAD ELEVATION

GRADED DIRECTION FOR

CONCRETE SIDEWALK

ELEVATION

# PROPOSED GRADING & DRAINAGE SYMBOLS: 8" SD STORM DRAIN LINE — CATCH BASIN (CB) — DROP INLET (DI) - AREA DRAIN (AD) PLANTER DRAIN (PD) OR -OCO STORM DRAIN CLEANOUT 99.99 FF=100.00 PAD=99.33



PROPOSED SANITARY SEWER SYMBOLS:

SEWER CLEANOUT **-0**CO

### PROPOSED WATER SYMBOLS:

GATE VALVE DOUBLE DETECTOR CHECK VALVE REDUCED PRESSURE BACKFLOW PREVENTER ----- BUTTERFLY VALVE AIR RELEASE VALVE + SIZE BLOW-OFF VALVE + SIZE POST INDICATOR VALVE

DRAINAGE FLOW TREE TO BE REMOVED 6" SS SANITARY SEWER LINE (SIZE AND FLOW SHOWN) SANITARY SEWER MANHOLE (SSMH) FLUSHER BRANCH 8" IRR IRRIGATION SERVICE LINE & SIZE — WATER METER ────► ●FH FIRE HYDRANT ASSEMBLY FIRE DEPARTMENT CONNECTION DETECTOR CHECK VALVE

### DEMOLITION GENERAL NOTES

- REFER TO ARCHITECTURAL, LANDSCAPE, ELECTRICAL AND PLUMBING PLANS FOR ADDITIONAL DEMOLITION ITEMS.
- 2. IN THE EVENT THAT ANY UNUSUAL CONDITIONS NOT COVERED BY THE GEOTECHNICAL INVESTIGATION REPORT OR ARE ENCOUNTERED DURING GRADING OPERATIONS THE GEOTECHNICAL ENGINEER AND THE ARCHITECT SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.
- 3. ADDITIONAL DEMOLITION INFORMATION MAY BE SHOWN ON THE GRADING, DRAINAGE, AND UTILITY PLANS, AND THOSE PLANS PREPARED BY OTHER DISCIPLINES FOR THIS PROJECT.
- 4. ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF OFFSITE AT A SUITABLE. LEGAL, DUMP SITE OR OTHER FACILITY.
- 5. ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE. 6. THE SCHOOL DISTRICT SHALL HAVE SALVAGE RIGHTS TO ANY DEMOLISHED ITEMS SHOWN HEREON. THE CONTRACTOR SHALL GIVE THE DISTRICT NOTICE 7 DAYS PRIOR TO THE START OF DEMOLITION. THE DISTRICT SHALL MOVE ANY RETAINED ITEMS OUT OF THE CONTRACTORS WORK AREA, UNLESS ANOTHER ARRANGEMENT IS MADE WITH THE CONTRACTOR. ANY REMAINING ITEMS BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. ANY ITEMS NOT SHOWN FOR REMOVAL SHALL REMAIN AND SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION TO A REASONABLE EXTENT.
- 7. EXISTING UTILITY STRUCTURES IN AREAS OF NEW PAVING SHALL BE REMOVED AND REPLACED WITH NEW BOX/COVER AT NEW GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.
- 8. ITEMS OUTSIDE THE LIMITS OF DEMOLITION SHALL REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
- 9. EXISTING UTILITY STRUCTURES AND PIPING NOT SHOWN ON DEMOLITION PLAN TO BE REMOVED SHALL REMAIN AND BE PROTECTED.
- 10. SAWCUTS AND SUBSEQUENT PATCH BACK OF CONCRETE WALKS, SHALL BE TO THE EXISTING CONCRETE JOINT BEYOND THE NEAREST LOCATION OF DEMOLITION AS SHOWN. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE, SHOW AND COORDINATE WITH EXISTING JOINTS, HOWEVER IF FIELD CONDITIONS ARE OTHERWISE, IT IS UNDERSTOOD TO REMOVE AND PATCH BACK TO THE NEAREST JOINTS BEYOND DEMOLITION.
- 11. PRIOR TO THE START OF CONSTRUCTION, VERIFY AND POTHOLE ALL UTILITY POINTS OF CONNECTION FOR LOCATION, DEPTH, AND SIZE. IF CONFLICT IS FOUND, CONTACT THE ENGINEER IMMEDIATELY FOR DIRECTION.
- 12. WITHIN LANDSCAPE AREAS TO BE DEMOLISHED THERE MAY BE EXISTING IRRIGATION LINES NOT SHOWN ON THIS PLAN. CONTRACTOR SHALL REMOVE LATERAL LINES AND HEADS ENCOUNTERED. MAIN LINES AND CONTROL WIRES MAY ONLY BE REMOVED PROVIDED THAT ROUTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEMS INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ENGINEER FOR DIRECTION.
- 13. COORDINATE REMOVAL OF LANDSCAPE ITEMS WITH LANDSCAPE PLANS.

### GENERAL NOTES

THE TYPES, LOCATIONS, SIZES, AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES. EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY MEMBERS OF UNDERGROUND SERVICE ALERT (USA) TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK BY CALLING TOLL FREE 1-800-227-2600, OR 811.



WARREN CONSULTING ENGINEERS, INC. (WCE) ASSUMES NO RESPONSIBILITY FOR ERRORS IN PHYSICAL LOCATION OF IMPROVEMENTS, HORIZONTAL OR VERTICAL. IN ADDITION, ANY SUCH ERRORS IN PHYSICAL LOCATION MAY AFFECT THE INTENDED DESIGN OF SUCH IMPROVEMENTS AND WCE CANNOT BE HELD RESPONSIBLE FOR SUCH CONDITIONS WHICH ARE A RESULT OF ERRORS IN SURVEYING, OR IMPROPER CONSTRUCTION.

- IF SUBSURFACE CULTURAL RESOURCES, REMAINS, AND/OR ARTIFACTS ARE UNCOVERED DURING PROJECT CONSTRUCTION, ALL WORK IN THE VICINITY SHALL BE STOPPED UNTIL SUCH ITEMS CAN BE ASSESSED BY AN APPROPRIATE MEMBER OF THE COUNTY ENVIRONMENTAL IMPACT SECTION STAFF.
- CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY: THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS: AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
- 5. THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY FOR ALL EXCAVATIONS OF 5 FEET OR MORE IN DEPTH.
- 6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE NECESSARY PRE-CONSTRUCTION SITE REVIEWS TO DETERMINE NECESSARY MEANS AND METHODS TO COMPLETE THE IMPROVEMENTS SHOWN ON THESE PLANS. WHERE IMPROVEMENTS LIE WITHIN AN EXISTING DEVELOPED AREA, CONTRACTOR SHALL USE CAUTION WHEN ACCESSING THE SITE THROUGH THESE EXISTING IMPROVEMENTS. IT IS THE CONTRACTORS RESPONSIBILITY TO PROTECT ANY SUCH EXISTING IMPROVEMENTS OUTSIDE THE PROJECT BOUNDARY. OR EXISTING IMPROVEMENTS WITHIN THE BOUNDARY WHICH ARE TO REMAIN. PROPER PRECAUTIONS
- SATISFACTION OF THE OWNER. 8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO KEEP DETAILED RECORDS OF MINOR CHANGES OR ADJUSTMENTS MADE DURING CONSTRUCTION (WHICH WERE NOT FORMALLY ISSUED). UPON PROJECT COMPLETION, THESE RECORDS AND/OR INFORMATION SHALL BE PROVIDED TO THE OWNER AND WARREN CONSULTING ENGINEERS, INC. UNLESS AN OFFICIAL "AS-BUILT" SET OF PLANS IS A REQUIREMENT OF THE CONTRACT. IF AS-BUILT PLANS ARE A REQUIREMENT OF THE CONTRACT, REFER TO SPECIFICATIONS FOR AS-BUILT DELIVERABLE REQUIREMENTS.

SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED OR REPLACED TO THE

- IN VEHICULAR PATHWAYS, EXISTING ASPHALTIC AND/OR CONCRETE SURFACES SHALL BE CUT TO A NEAT AND STRAIGHT LINE, PARALLEL OR PERPENDICULAR TO THE VEHICULAR TRAVELED PATH. THIS IS TYPICALLY THE ROADWAY CENTERLINE, BUT MAY VARY. THAT SAWCUT EDGE SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION SO A CLEAN EDGE REMAINS FOR PATCH BACK .. IF EDGE IS DAMAGED, A NEW SAW CUT WILL BE REQUIRED. THE EXPOSED EDGE SHALL BE "TACKED" WITH EMULSION PRIOR TO PAVING.
- 10. NO BURNING OR BLASTING SHALL BE ALLOWED ONSITE UNLESS SPECIFICALLY ADDRESSED ON PLANS, OR SPECIFICALLY APPROVED AND COORDINATED WITH THE ARCHITECT, ENGINEER, AND LOCAL AGENCY OR OTHER ADMINISTRATIVE AUTHORITY. SUBGRADE AND RESULTING FINISHED GRADE SHALL BE CONSTRUCTED SMOOTH AND UNIFORM BETWEEN SPOT ELEVATIONS, CONTOURS 11
- OR OTHER STRUCTURE ELEVATIONS SHOWN ON GRADING OR OTHER PLANS. NO MOUNDS, RUTS, DEPRESSIONS OR OTHER GRADING DEFICIENCIES WILL BE ALLOWED UNLESS SPECIFICALLY SHOWN ON PLANS. 12. ON NEW WATER SYSTEMS, SERVICE LATERALS SHALL BE MADE USING APPROPRIATE "TEE" AND "WYE" FITTINGS. SADDLE TAPS WILL
- ONLY BE ALLOWED WHEN MAKING CONNECTIONS TO EXISTING WATER MAINS. 13. CURING COMPOUND SHALL BE APPLIED IN A CONTINUOUS SOLID WET FLOWING COAT. ANY "SPOTTY" APPLICATIONS SHALL BE RECOATED
- IMMEDIATELY. APPLICATION SHALL BE INSPECTED BY PROJECT INSPECTOR DURING APPLICATION. 14. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE ADDITIONAL SCORE OR EXPANSION JOINTS TO PREVENT UNCONTROLLED CRACKING. THOSE ADDITIONAL JOINTS MAY OR MAY NOT BE SPECIFICALLY SHOWN ON PLANS BUT SHALL BE PROVIDED BY THE CONTRACTOR.
- 15. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE A MINOR ADJUSTMENT OF REBAR WITHIN CONCRETE TO ALLOW FOR SUCH STRUCTURE. THAT REBAR ADJUSTMENT MAY NOT BE SPECIFICALLY SHOWN ON PLANS. 16. NO MORE THAN 1 GALLON OF WATER PER YARD OF CONCRETE CAN BE ADDED TO THE TRUCK AFTER ARRIVAL TO PROJECT SITE. THE
- ADDITION OF WATER CAN ONLY BE ADDED UNDER THE SUPERVISION OF THE CONCRETE INSPECTOR OR LABORATORY TECHNICIAN. 17. WHEN PUMPING CONCRETE FOR PLACEMENT, ABSOLUTELY NO WATER IS TO BE ADDED TO PUMP HOPPER. ANY WATER ADDED TO HOPPER WILL BE REASON FOR CONCRETE REJECTION AT THE CONTRACTORS EXPENSE.
- 18. ALL CONTRACTION/CONSTRUCTION JOINTS "CJ" SHALL BE 1/4 THE SLAB THICKNESS DEEP, BUT NO LESS THAN 1" FOR CONTROLLING OF CRACKING. CONTRACTOR SHALL EXERCISE CAUTION WHEN FINAL TROWELING OF CONCRETE SO AS NOT TO FILL IN THESE JOINTS WITH CONCRETE CREAM. ANY CRACKS OUTSIDE OF JOINTS WHICH WERE CONSTRUCTED LESS THAN 1" DEEP, SHALL BE CAUSE FOR CONCRETE SLAB(S) TO BE REMOVED AND REPLACE AT CONTRACTORS EXPENSE.
- 19. ANY SCREED BOARDS SET WITHIN CONCRETE SLABS SHALL BE AN "OVERHEAD SCREED" SO THERE IS NO INTERFERENCE WITH THE PLACEMENT AND ALIGNMENT OF SLAB REINFORCING. 20. 3-1/2" FELT JOINTS WILL NOT BE ACCEPTED. PROVIDE A FULL 4" FELT JOINT FOR 4" SLAB CONSTRUCTION, AND A 6" FELT JOINT FOR A 6" SLAB SLAB CONSTRUCTION.
- 21. SHOULD ANY SHRINKAGE CRACKS OCCUR OUTSIDE OF EITHER THE EXPANSION JOINTS OR CRACK CONTROL JOINTS, THEN THE CONCRETE SLAB SHALL BE SAWCUT AT THE NEAREST JOINTS ON EACH SIDE OF THE CRACK AND THE CONCRETE SECTION SHALL BE, REMOVED AND REPLACED. NEW CONCRETE SHALL BE DOWELED INTO EXISTING CONCRETE PER DRAWING DETAIL.
- 22. ALL AREAS DISTURBED BY GRADING OPERATIONS WHETHER SHOWN ON THE DRAWINGS OR NOT SHALL BE HYDROSEEDED UNLESS OTHERWISE NOTED. HYDRO SEEDING SHALL CONFORM TO LOCAL CITY/COUNTY STANDARDS. 23. REPAIR OR PATCHING OF GALVANIZED METALS, SUCH AS AFTER WELDING GALVANIZED COMPONENTS, SHALL BE MADE USING A ZINC
- COMPOSITION "HOT STICK" APPLICATION PER ASTM A 780-01. GALVANIZING PAINTS WILL NOT BE ALLOWED. 24. AT LIMITS OF NEW PAVEMENT OR CURBS ADJACENT TO LANDSCAPING PROVIDE A 4:1 MINIMUM TRANSITION TO EXISTING GRADE WITH TOPSOIL. ADJUST EXISTING IRRIGATION HEADS TO FINISH GRADE AND PROVIDE SOD IN GRASS AREAS TO RESTORE TO EXISTING CONDITION.
- 37. TRANSITION BETWEEN PAVED SURFACES AND LANDSCAPE AREAS SHALL BE NO GREATER THAN 1", UNLESS NOTED OTHERWISE. 38. WITHIN LIMITS OF WORK THERE MAY BE EXISTING IRRIGATION LINES NOT SHOWN ON THIS PLAN. CONTRACTOR SHALL REMOVE LATERAL LINES AND HEADS ENCOUNTERED. MAIN LINES AND CONTROL WIRES MAY ONLY BE REMOVED PROVIDED THAT ROUTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEMS INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ARCHITECT FOR DIRECTION.
- 39. GENERAL CONTRACTOR IS REQUIRED TO HIRE A LANDSCAPE SUBCONTRACTOR TO PERFORM ALL LANDSCAPE AND IRRIGATION REPAIRS. 40. WIDTH OF NEW SIDEWALKS SHALL MATCH WIDTH OF EXISTING, ADJACENT, SIDEWALKS.
- 41. SEE ARCHITECTURAL PLANS FOR EXPANSION AND CONTROL JOINT LAYOUT.
- 42. ADJUST TO FINISH GRADE ALL UTILITY BOXES, FRAMES, COVERS SLEEVES, POST HOLES GRATES, ETC. FOUND IN AREA OF WORK, WHETHER SHOWN OR NOT. CLEAN OR REPLACE AS NECESSARY TO ENSURE PROPER SEATING.
- 43. ALL NEW ASPHALT PAVING TO BE PROVIDED WITH 2 COATS OF SEALCOAT.
- 43. PRIOR TO NEW SEALCOAT ON EXISTING ASPHALT SURFACES, FILL ALL CRACKS 1/4" INCHES OR WIDER WITH AN APPROVED CRACK FILLER. 44. FOR ACCESSIBLE PATH OF TRAVEL REQUIREMENTS SEE ARCHITECTURAL SHEETS.
- 45. PERCENT OF SLOPE SHOWN ON ARROWS ARE MAXIMUM SLOPES AND NOT INTENDED TO SUPERCEDE SLOPES DEFINED BY SPOT 0.0% ELEVATIONS.
- 46. WITHIN THE LIMITS OF ACCESSIBLE PARKING AREA AND ACCESSIBLE DROP OFF ZONE THE SLOPE OF PAVEMENT SHALL NOT EXCEED 1.9% IN ANY DIRECTION. 47. SLOPE OF FINISHED PAVING TO BE 1% MINIMUM FOR ASPHALT, 0.5% MINIMUM FOR CONCRETE AND THE MAXIMUM SLOPE SHALL BE AS
- FOLLOWS; CROSS SLOPE PERPENDICULAR TO PATH OF TRAVEL - 1.9% DIRECTION OF TRAVEL - 4.9% RAMP IN DIRECTION OF TRAVEL - 8.0% PLAZA 1.9% - IN ANY DIRECTION
- 48. THE MINIMUM SLOPE AWAY FROM THE BUILDING ON PAVED SURFACES SHALL BE 1% MINIMUM AND 2% MAXIMUM.
- 49. TRANSITIONS BETWEEN CONCRETE AND OR ASPHALT SURFACES SHALL BE FLUSH, UNLESS NOTED OTHERWISE BY CURB OR STEP.

### CIVIL SHEET INDEX

- CO.1 CIVIL GENERAL NOTES AND ABBREVIATIONS
- C1.1 DEMOLITION PLAN
- C2.1 GRADING AND PAVING PLAN
- C3.1 UTILITY PLAN



FACILITY:

SHEET NAME:



DATE: 10/23/2024 SHEET:

3595005000

AGENCY

**APPROVAL:** 

SACRAMENTO, CA 95816 ISSUE

A ADDENDUM "A"

**DESCRIPTION** 

# **KEYNOTES**

**GENERAL NOTES** 



CLIENT PROJ NO: 3595005

**C0.1** 

CIVIL GENERAL NOTES AND ABBREVIATIONS

**HIRSCH ES - TK CLASSROOM** 

**HIRSCH ELEMENTARY SCHOOL** 

EL DORADO HILLS, CA 95762 | (916) 985-1870

ANTHONY J

TASSANO

C74696



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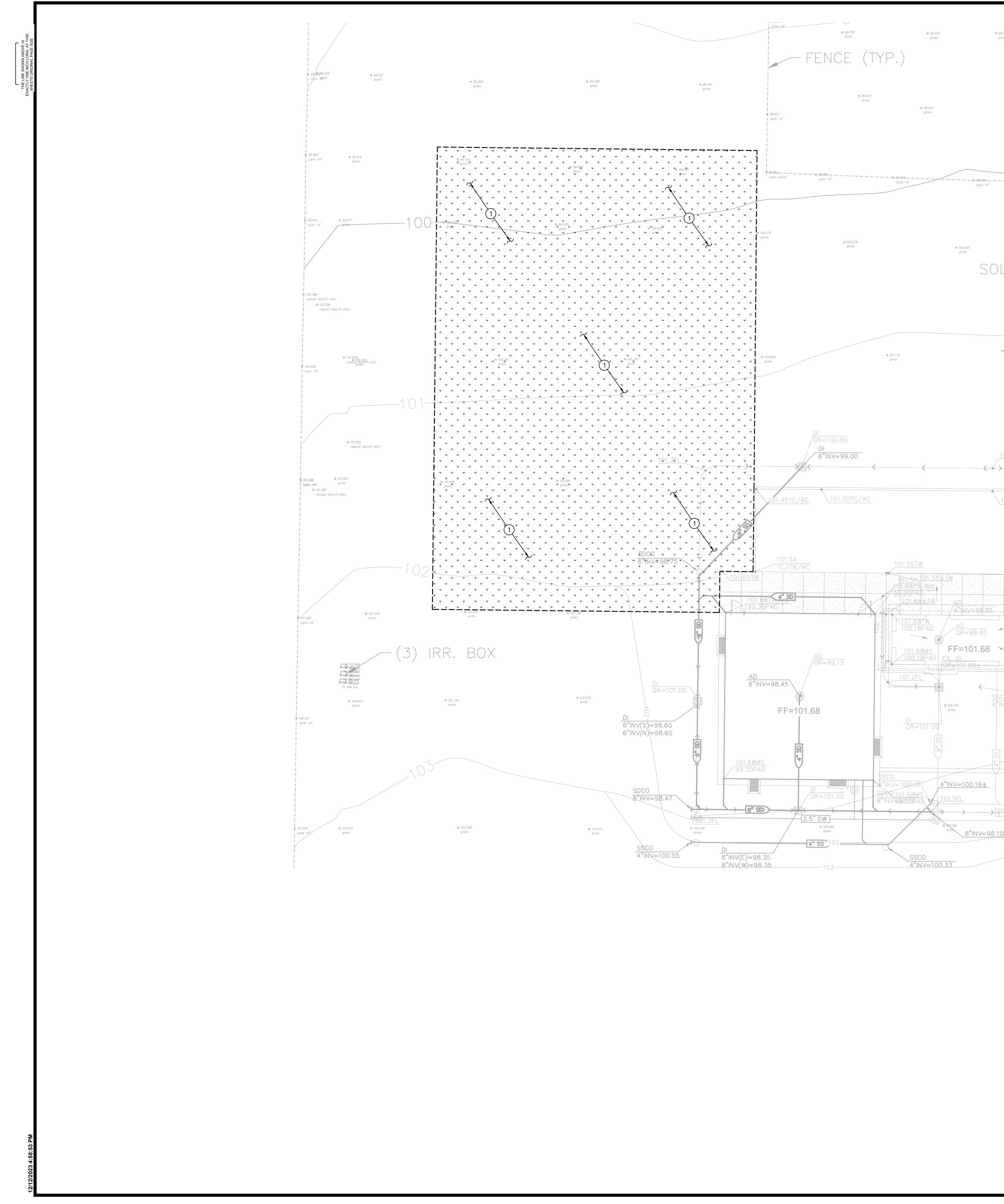
**FRACY HMC** Architects

DATE: 03/12/2025

3/20/25

DATE

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-122973 INC: **REVIEWED FOR** SS 🗹 FLS 🗹 ACS 🗹



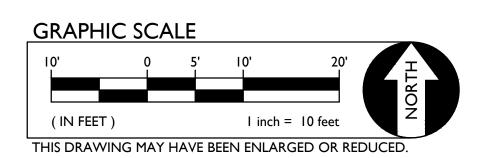
¥ 99.162 ¥ 99.227 grass grass	x 99. gra	DEMOLITION NOTES
	9.493 rass	REMOVE AND DISPOSE OF EXISTING TURF AND ASSOCIATED IRRIGATION PIPING/SPRINKLERS WITHIN AREAS OF WORK. CUT AND CAP ANY MAINLINES NEAR WHERE THEY ENTER THE BOUNDARY OF THE PROJECT. MARK ALL CAPPED LINES WITH
¥ 99.622 grass × 99 gr	9.812 ass	AN IRRIGATION VALVE BO ALL EXISTING IRRIGATION AREAS OUTSIDE THE PROJECT WORK AREA SHALL BE PRESERVED AND OPERATIONAL. INTEGRITY SHALL BE MAINTAINED WITH PROPER SPRINKLER COVERAGE TO TURF AREAS TO REMAIN.
*** *** <b>* 160.048</b> *** *** *** *** *** *** *** *** *** *		
× 100.531 grass DLAR PANEL SUP	× 100 gras	
¥ 101.088 grass grass		
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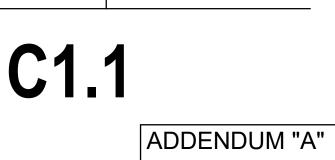
1280 DOVE DR TRACY, CA 95376 PROJECT:

HIRSCH ES - TK CLASSROOM

SHEET NAME: DEMOLITION PLAN

DATE: 10/23/2024 SHEET:





CLIENT PROJ NO: 359500500

# CONSTRUCTION DOCUMENTS

HIRSCH ELEMENTARY SCHOOL

DO HILLS, CA 95762 | (916) 985-1870

ANTHONY J



L NOTES

w.hmcarchitects.com

ENUE, SUITE 100 A 95816

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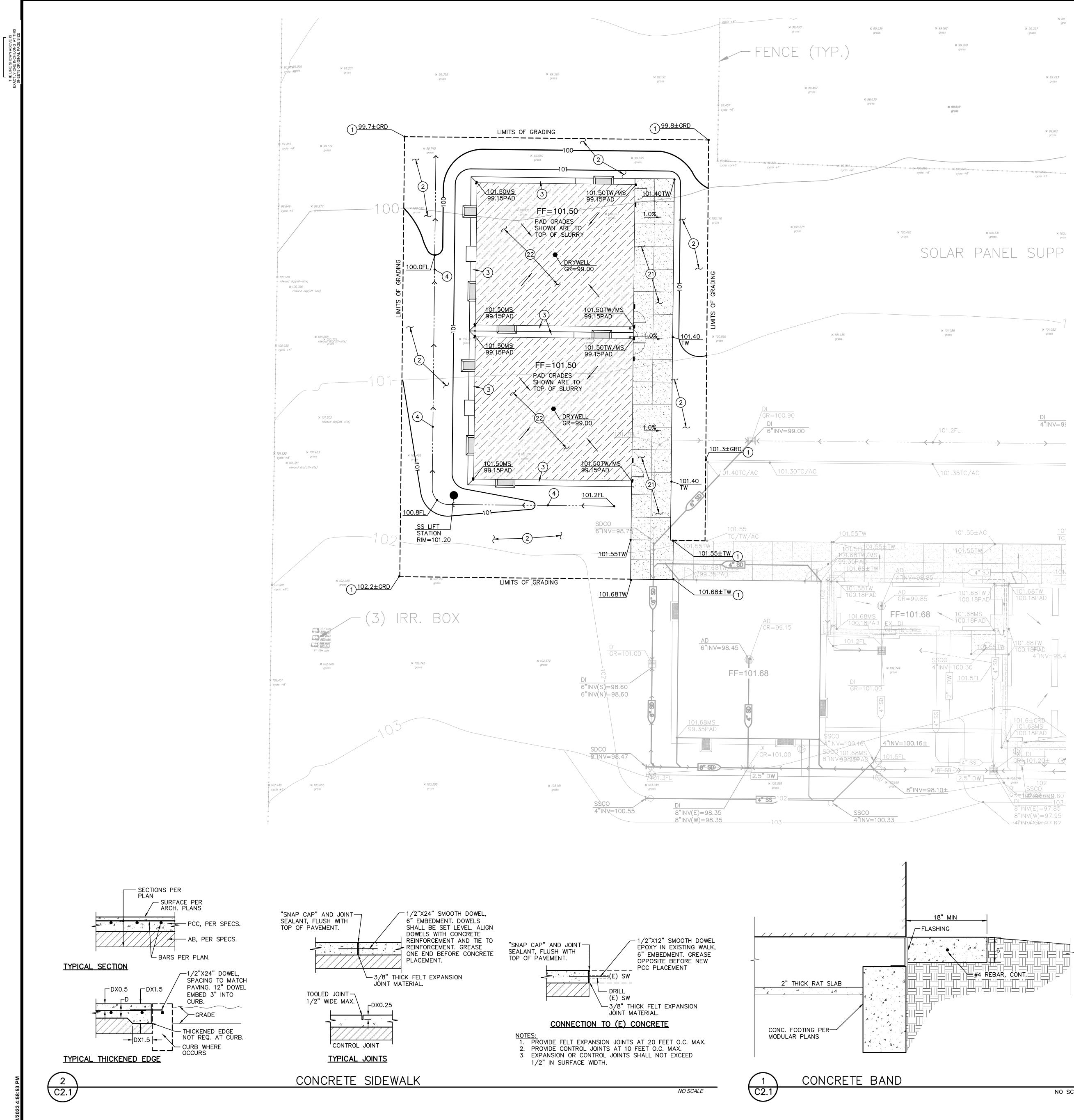
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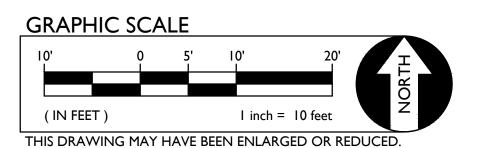
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-122973 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 03/12/2025

3/20/25

DATE



	¥ 99. gra		AGENCY
99.162 grass	¥ 99.227 grass	SUBGRADE PREPARATION	APPROVAL
<b>×</b> 99.200 grass		FOLLOWING SITE DEMOLITION ACTIVITIES:	
¥ 99.622 grass	<b>×</b> 99.493 grass	EXCAVATE DOWN TO ROUGH SUBGRADE ELEVATION, SCARIFY THE EXISTING SOILS TO A MINIMUM DEPTH OF 12 INCHES, MOISTURE CONDITION TO AT LEAST 2 PERCENT ABOVE THE OPTIMUM MOISTURE AND COMPACT TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY DETERMINED BY THE ASTM D1557 TEST METHOD. UPPER 12 INCHES OF SUBGRADE SUPPORTING ASPHALT AND CONCRETE PAVEMENT SHALL BE COMPACTED TO 95 PERCENT.	
	× 99.812	PAVING GENERAL NOTE	
	grass	PAVING ADJACENT TO BUILDINGS ARE TO SLOPE 1% MINIMUM AWAY FROM THE BUILDING. WHERE CROSS SLOPE OCCURS ON PATH OF TRAVEL, SLOPE CANNOT EXCEED 2%.	
×× <b>≍ 100.048</b> -× cyclo +6'	X X X X X X X X X X X X X X X X X X X		
		GRADING NOTES	
		1. MATCH EXISTING GRADE/ELEVATION.	
	× 100.531 × 100 grass gras	2. PLACE SOD IN ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES THAT ARE NOT TO BE PAVED. PROVIDE NEW IRRIGATION PIPING/SPRINKLERS AS REQUIRED TO MAINTAIN PROPER COVERAGE.	HMC A
LAR	PANEL SUPP	3. CONSTRUCT 18" WIDE CONCRETE BAND AT BUILDING PER $\begin{pmatrix} 1 \\ C2.1 \end{pmatrix}$	2505005
		4. CONSTRUCT SWALE.	3595005
× 101.088 grass	¥ 101.052 grass	PAVING LEGEND         (2) TYPE 21 PAVING         PLACE 5" PCC WITH #4 REBAR @ 24" O.C.E.W. OVER         16" CLASS II AB ON SUBGRADE COMPACTED PER THIS         SHEET AND SPECIFICATION SECTION 310000.	2101 CAPITOL A SACRAMENTO, 916 368 7990 / w ISSUE <u>A</u> DESCRIPTI
<u>101.2FL</u>	DI 4"INV=95	22 <u>TYPE 22 PAVING</u> PLACE <u>2</u> " THICK 3–SACK CONCRETE SLURRY SLAB AT MODULAR CRAWL SPACE.	KEYNO
101.35TC/	/AC		





FACILITY: HIRSCH ELEMENTARY SCHOOL 1280 DOVE DR TRACY, CA 95376

PROJECT: HIRSCH ES - TK CLASSROOM

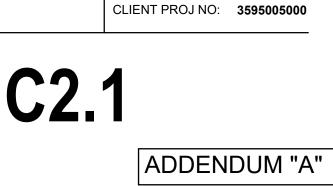
SHEET NAME: GRADING AND PAVING PLAN



DATE: 10/23/2024 SHEET:

NO SCALE

FILENAME: I: \24-151\HIRSCH\DWG\24-151-C21-HIRSCH.DWG





**GENERAL NOTES** 

DTES

OUM "A"

AVENUE, SUITE 100 ), CA 95816 www.hmcarchitects.com

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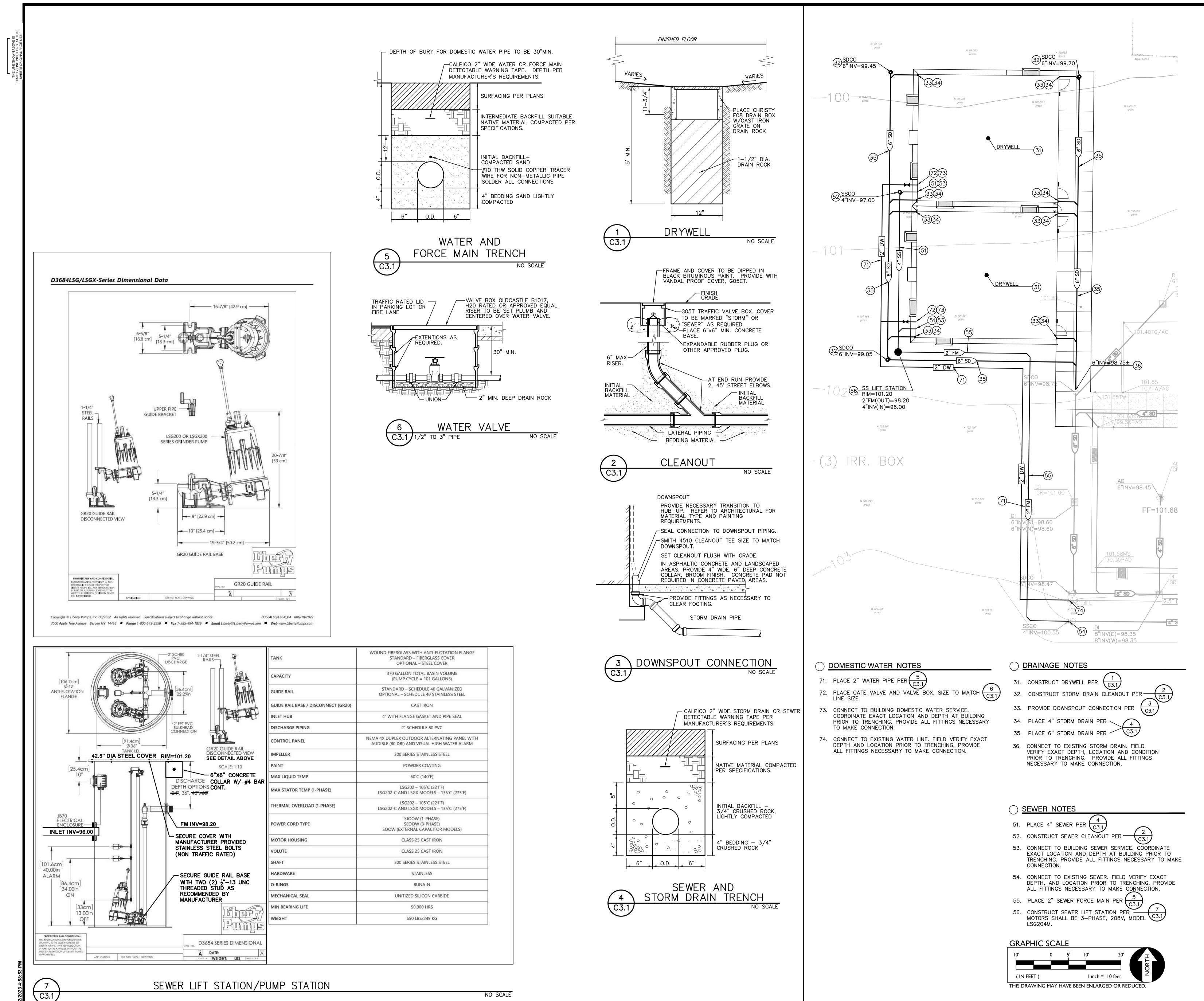
Architects

TRACY UNIFIED SCHOOL DISTRIC

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-122973 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 03/12/2025

3/20/25

DATE





HIRSCH ES - TK CLASSROOM

CONSTRUCTION DOCUMENTS

FACILITY:

PROJECT:

SHEET NAME:

UTILITY PLAN

DATE: 10/23/2024

SHEET:

**HIRSCH ELEMENTARY SCHOOL 1280 DOVE DR TRACY, CA 95376** 

WARREN CONSULTING ENGINEERS, INC. 1117 WINDFIELD WAY, SUITE 110 EL DORADO HILLS, CA 95762 | (916) 985-1870

ANTHONY J. TASSANO C74696

**GENERAL NOTES** 

**KEYNOTES** 

A ADDENDUM "A"

DATE

3/20/25

**FRACY** HMC Architects 3595005000

2101 CAPITOL AVENUE, SUITE 100

916 368 7990 / www.hmcarchitects.com

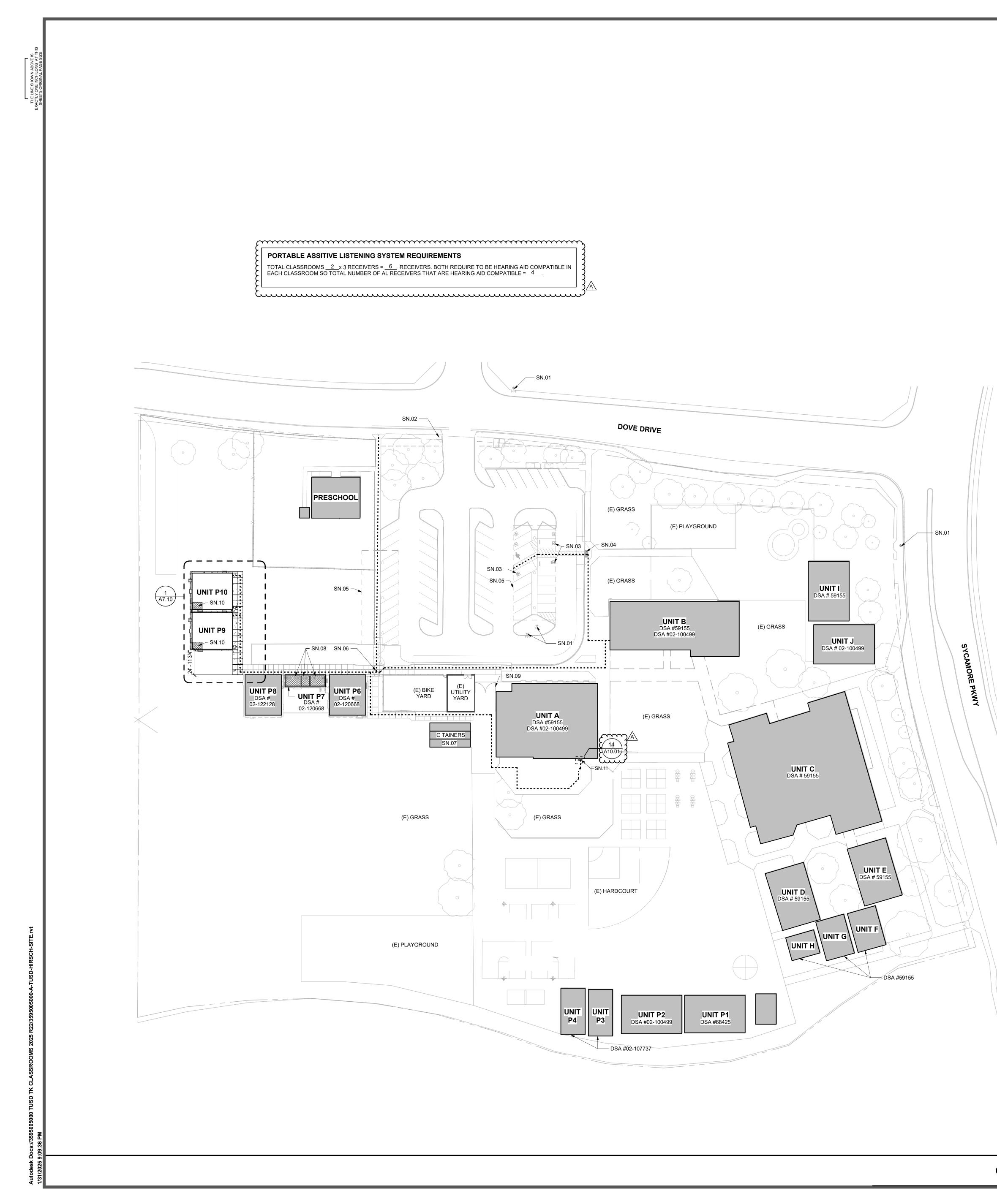
SACRAMENTO, CA 95816

ISSUE

AGENCY

**APPROVAL:** 





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		1	IRE BUILDINGS	G <u> </u>		ENTAL FENCE	
		CON	CRETE WALK / PAVIN	IG 👬	(E) FIRE HY	DRANT (NTS)	
		(E) A	CCESSIBLE RESTRO		- ACCESSIBL	E PATH OF EE DEFINITION ON	
		1			THIS SHEE		
	ACCE	SSIB	LE PATH C	OF TRAVE			HMC A
	PATH OF T ABRUPT VE CHAGES TI	RAVEL (P ERTICAL ( HAT DO N	.O.T.) AS INDICATED, CHANGES EXCEEDIN OT EXCEED 1/4" VEF RFACE, STABLE, FIRI	IS A BARRIER FRE G 1/2" BEVELED AT RTICAL. THE PATH C	E ACCESS ROUTE 1:2 MAXIMUM SLOI OF TRAVEL IS AT LE	PE EXCEPT LEVEL AST 48" WIDE WITH	35950050
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		UPANCY	CONSTRUCTION TYPE	OCC. LOAD	ALLOWABLE AREA (S.F.)	ACTUAL AREA (S.F.)	1. CONTRACTOR CONSTRUCTION 2. CONTRACTOR
	P9	E	V-B, NON- SPRINKLERED	1,440 S.F. / 20 NET =72 OCC.	9,500	BLDG.: 1,440 <u>OVERHANG: 270</u> TOTAL: 1,710	CHAPTER 33, DEMOLITION, 3. FENCE GRAPI ACTUAL FENC
	P10	E	V-B, NON- SPRINKLERED	1,440 S.F. / 20 NET =72 OCC.	9,500	BLDG.: 1,440 <u>OVERHANG: 270</u> TOTAL: 1,710	THE CONTRA 4. PROVIDE 3/4" UNLESS OTHE
				TOTAL: 144 OCC.		TOTAL: 3,420 S.F. < 9,500 S.F. = OK	
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			LOOR AREA.				SN.03 (E) ACCES SN.04 (E) ACCES
		$()   \mathbf{H}$			NSTRUCT		SN.06 (E) ACCES
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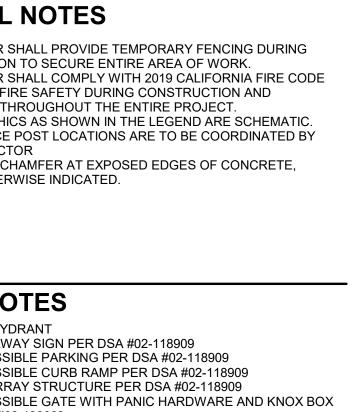
**OVERALL SITE PL** 



IDENTIFICATION STAMP

3/20/25

DATE



-120668 'Lx10'H TO STORE HAZARDOUS MATERIALS. NOT STACKED I OTHER OR ELEVATED BY A SUBSTRUCTURE. ECTLY ON EVEN GRADE. NOT PLACED IN THE FIRE E. THEY ARE MAINTAINED TO ENSURE THEIR INTEGRITY IS NOT COMPROMISED. NOT BY THE ADDITION OF WINDOWS OR DOORS. OCATED A MINIMUM OF 20' FROM ANY BUILDING. BLE BOYS, GIRLS, AND STAFF RESTROOMS PER ATE WITH KNOX BOX E STUDENT RESTROOMS ISTING DUAL HEIGHT DRINKING FOUNTAN AND REPLACE W/ 20 VANDAL-RESISTANT, MECHANICAL BOTTLE FILLING D BI-LEVEL COOLER, NON-FILTERED, NON-REFRIGERATED RCTLDDWSK\_MECH, LEFT HAND" AT SAME LOCATION. PLASTER AND PATCH AS REQUIRED TO INSTALL THE NEW NG STATION AND BI-LEVEL COOLER. SEE DETAILS 14, 15 

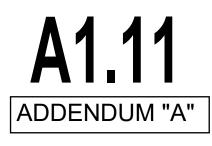
ENTARY SCHOOL

K CLASSROOM

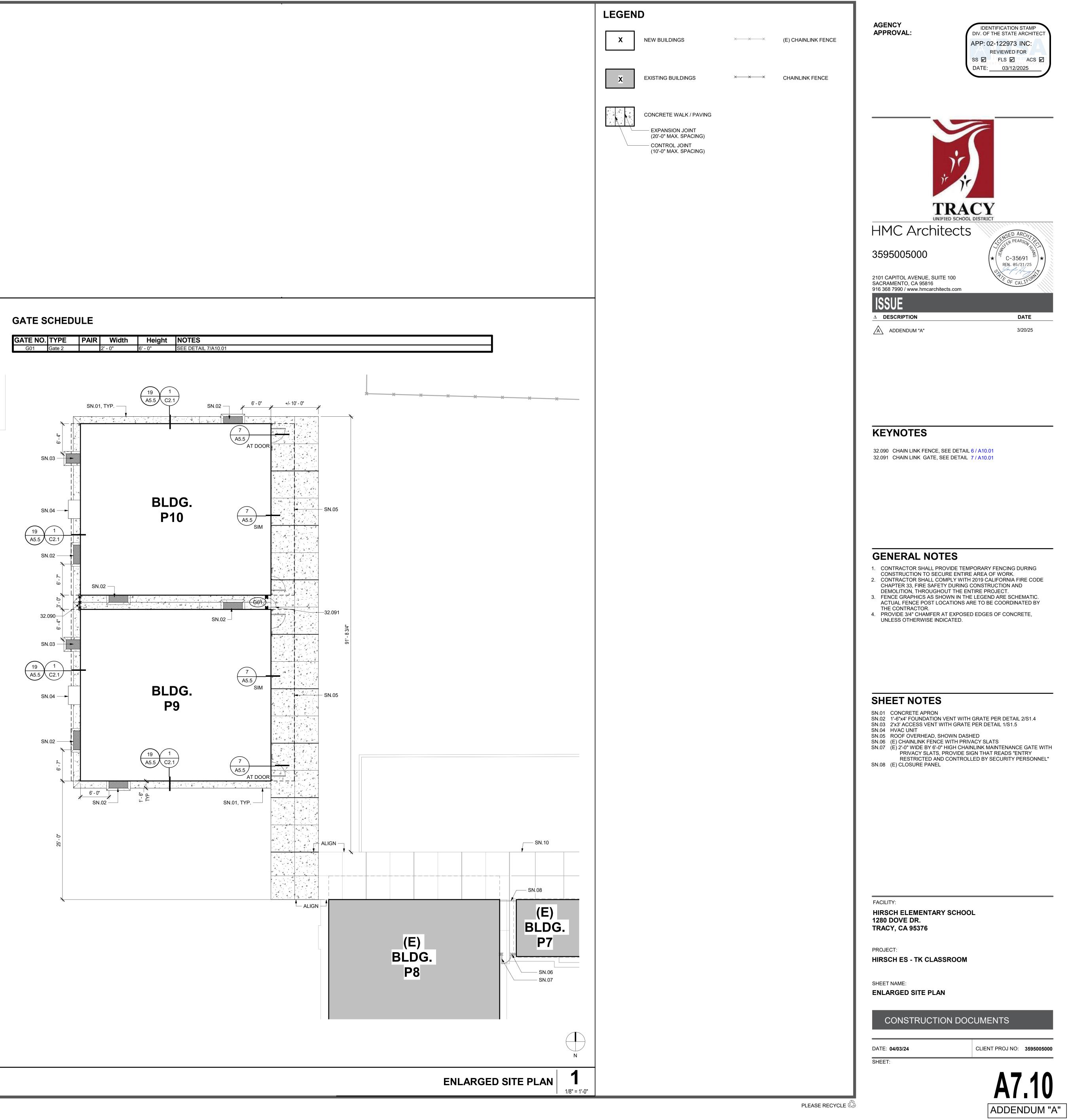
E PLAN AND CODE ANALYSIS

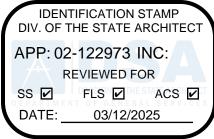
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CLIENT PROJ NO: 3595005000

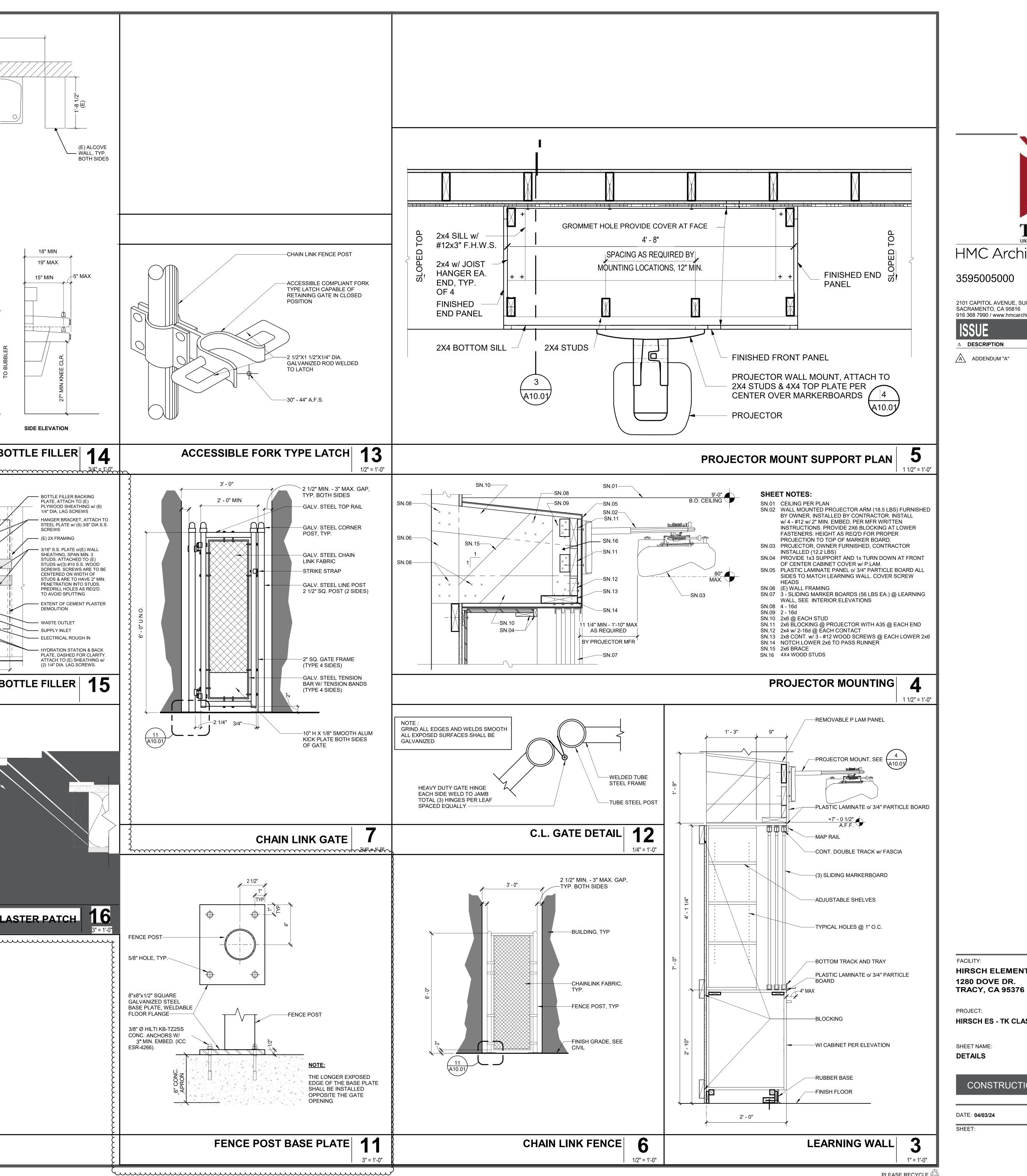


THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEETS ORIGINAL PAGE SIZE			
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THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEETS ORIGINAL PAGE SIZE			5'-4" (E) ALCOVE
THE LINE EXACTLY ON SHEETS O			
			·
		48" MAX. TO OPERABLE PART	36" MAX. TO BUBBLER D.A. & AGES: 5-12 27" MIN. 27" MIN. 38" MIN - 43" MAX
	£		DRINKING FOUNTAIN W/
		\	NTRACTOR TO VERIFY LOCATION OF (N) S.S. PLATE WITH NUFACTURER'S INSTALLATION REQUIRMENTS
			I     I     I     I       I     I     I     I       I     I     I     I       I     I     I     I       I     I     I     I       I     I     I     I       I     I     I     I       I     I     I     I       I     I     I     I       I     I     I     I       I     I     I     I       I     I     I     I       I     I     I     I       I     I     I     I       I     I     I     I       I     I     I     I       I     I     I     I       I     I     I     I       I     I     I     I       I     I     I     I       I     I     I     I       I     I     I     I       I     I     I     I       I     I     I     I       I     I     I     I       I     I     I     I       I     I     I     I       I
			DRINKING FOUNTAIN w MOUNTING DETAIL
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CH-SITE.rvt		-	EXTERIOR CEMENT
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3/20/25

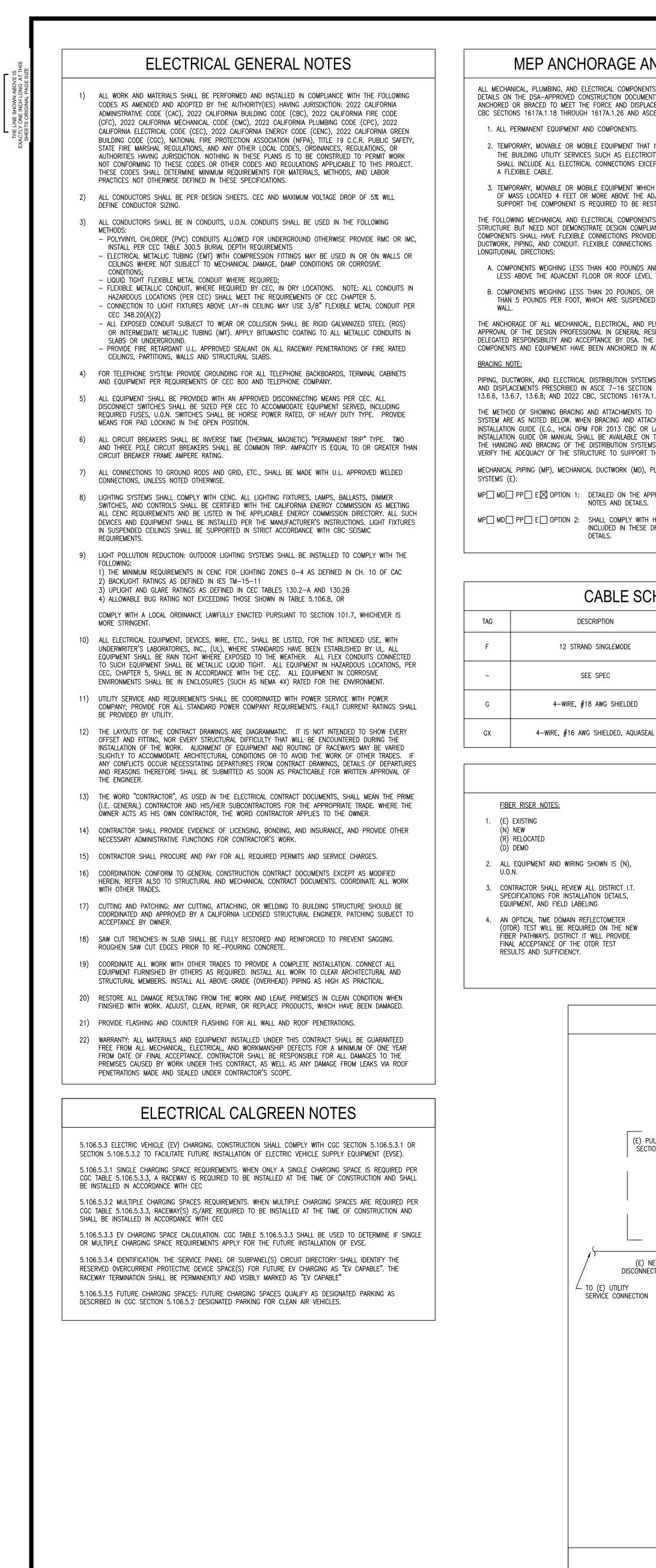
HIRSCH ELEMENTARY SCHOOL

HIRSCH ES - TK CLASSROOM

CONSTRUCTION DOCUMENTS

CLIENT PROJ NO: 3595005000



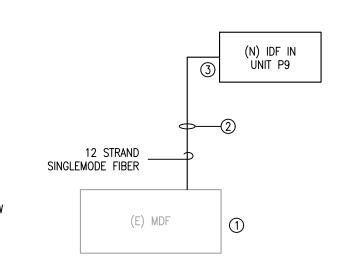


	RACING NOTE	[						FXI	STING		iel 'de	)P' S(	HEDI	F		
		-							OTINC							
	BE ANCHORED AND INSTALLED PER THE		Panel Nar	me:	DDP						Bus Rating	:	400A			
CUMENTS. THE FOLLOWING COMPONENTS SHALL BE SPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 D ASCE 7–16 CHAPTERS 13, 26, AND 30:				Phase:	120/208Y - 3Ø - 4W AIC Rating: 14kAIC											
				Mounting: Fre		ding					Main Type		Circuit B	reaker		
			Enclosure Rating: NEMA 3R			MA 3R				MCB Ratin	<u>в</u> :	400A				
	NENTLY ATTACHED (E.G. HARD WIRED) TO		Code	VA					BRK	Ckt	PHASE	Ckt	BRK	Description	VA	Code
	OR WATER. "PERMANENTLY ATTACHED"		0	8232	(E) Panel F	°6			100/2	1	Α	2				
EXCEPT PLUGS	5 FOR 110/220 VOLT RECEPTACLES HAVING		0	8131					-	3	В	4				
			0	1922	(E) Panel F	7			50/2	5	С	6				
	/IER THAN 400 POUNDS OR HAS A CENTER FLOOR OR ROOF LEVEL THAT DIRECTLY		0	1811					-	7	Α	8				
	IN A MANNER APPROVED BY DSA.		0	10375	(E) Panel F	8			125/2	9	В	10				
ONENTS SHALL	BE POSITIVELY ATTACHED TO THE		0	8932	(-,	-				11	- C	12				
OMPLIANCE WITH	THE REFERENCES NOTED ABOVE. THESE EN THE COMPONENT AND ASSOCIATED		0		(N) Panel	DO			125/2	13	۰ ۸	14				
	LOW MOVEMENT IN BOTH TRANSVERSE AND				(IV) Faller	- 9			-		A					
			0	8932					-	15	В	16				
	G A CENTER OF MASS LOCATED 4 FEET OR		0	9375	(N) Panel	P10			125/2	17	C	18				
LEVEL THAT DIR	RECTLY SUPPORT THE COMPONENT.		0	8932					-	19	A	20				
	CASE OF DISTRIBUTED SYSTEMS, LESS		M	1560	(N) Lift Sta	tion Pump			30/2	21	В	22				
ENDED FROM A ROOF OR FLOOR OR HUNG FROM A			М	1560					-	23	С	24				
	ANNENTS SUMMERE SUBJECT TO THE		M	1560	(N) Lift Sta	tion Pump			30/2	25	Α	26				
AL RESPONSIBLE	COMPONENTS SHALL BE SUBJECT TO THE E CHARGE OR STRUCTURAL ENGINEER		M 1560		. ,				-	27	В	28				
A. THE PROJECT	I INSPECTOR WILL VERIFY THAT ALL CE WITH THE ABOVE REQUIREMENTS.		0	1800	(NI) 1 ; f+ C+-	tion Contr	ollor		15/1	29	с С	30			<u> </u>	
J IN ACCORDAN	CE WITH THE ABOVE REQUIREMENTS.		0 1800		(N) Lift Station Controller			13/1						<u> </u>		
										31	A	32			_ <b>_</b>	
	BE BRACED TO COMPLY WITH THE FORCES									33	В	34				
	DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 7A.1.25, AND 1617A.1.26.									35	C	36				
										37	A	38				
	UCTURE FOR THE IDENTIFIED DISTRIBUTION ARE BASED ON A PREAPPROVED									39	В	40				
OR LATER), C	OPIES OF THE BRACING SYSTEM SITE PRIOR TO THE START OF AND DURING									41	С	42				
YSTEMS. THE ST	TRUCTURAL ENGINEER OF RECORD SHALL		Largest I	Motor VA		4160			II		1 1			•		11
ORT THE HANG	ER AND BRACE LOADS		Largest I	Motor Phase	es:	A,B										
ID), PLUMBING	PIPING (PP), ELECTRICAL DISTRIBUTION		Subfeed	l Breaker to	Panel:											
	RAWINGS WITH PROJECT SPECIFIC			Load Code		VAI	Load per Pl			Calculatio			Notes:			
AILS.						A	B	C	Total VA	Mult.	VA Load		- Panel Al	C rating based on wire size and length		
WITH HCAI (OSH	HPD) PREAPPROVAL (OPM #) # AS		R = Rece	-		0	0	0	0	1.00	0					
ESE DRAWINGS	WITH PROJECT-SPECIFIC NOTES AND		K = Kitch M = Mot			0	0	0	0	1.00	0					
			L = Light			1560 0	3120 0	1560	6240 0	1.00 1.25	6240					
			H = Heat			0	0	0	0	1.25	0					
			PV = Sola			0	0	0	0	1.25	0					
				c. Vehicle		0	0	0	0	1.25	0					
SCHED	UIF		O = Othe	er		29349.5	27437.5	22028.5	78815.5	1.00	78816					
	011		Load Tot	als		30909.5	30557.5	23588.5	85055.5	1.00	85055.5					
	USE		VA of La	rgest Motor					4160	0.25	1040					
				VA Loads		0.0	0.0	0.0								
	FIBER		Total VA			31429.5	31077.5	23588.5								
			Load Bal	ance		109.5%	108.3%	82.2%								
	DATA							This Panel			86095.5					
					Amperage	This Panel	Per Larges	t Phase VA			261.9					

# FIBER RISER DIAGRAM

INTRUSION ALARM SYSTEM WIRING

INTRUSION ALARM SYSTEM TRUNK

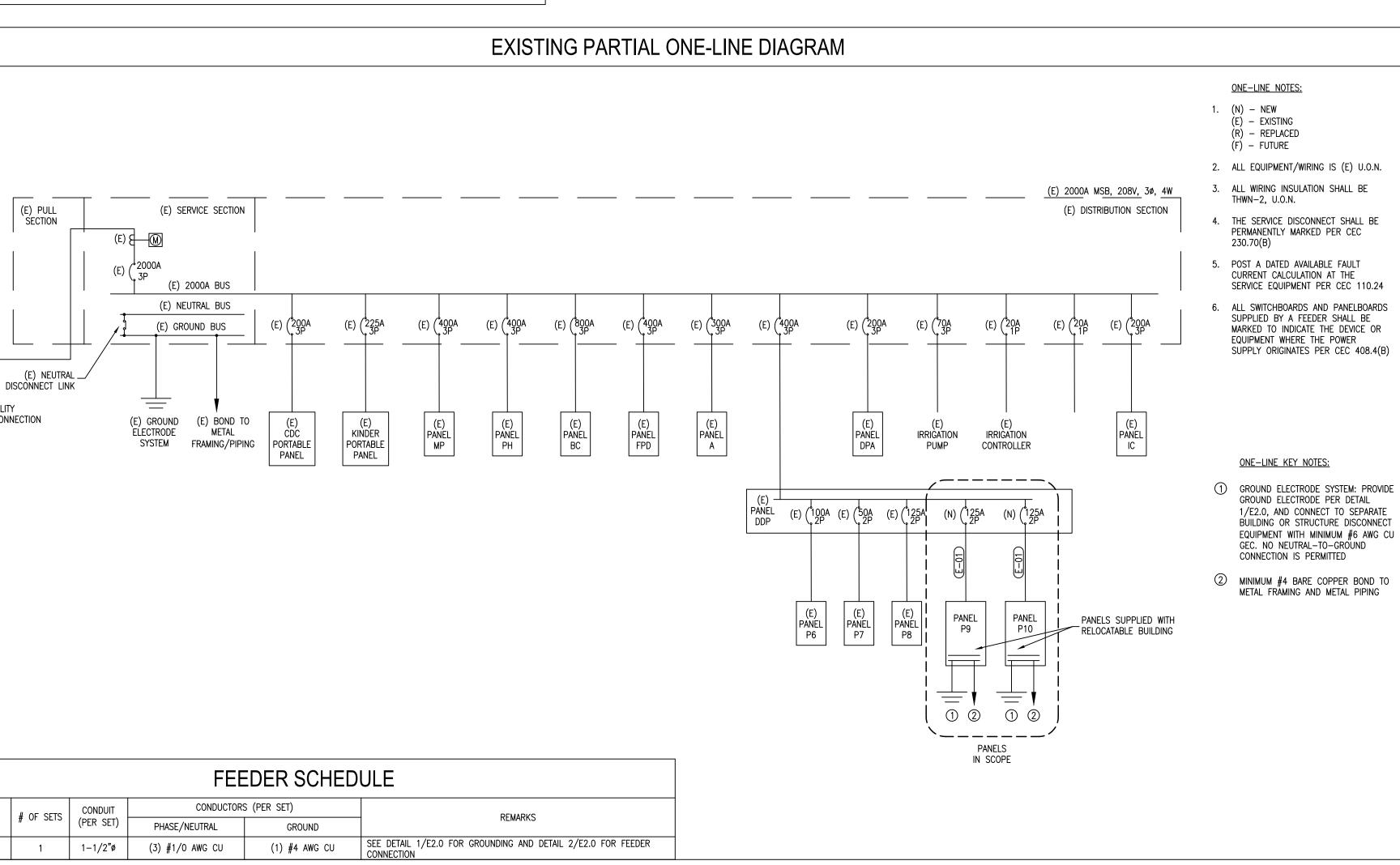


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E-01

# FIBER RISER KEY NOTES:

- (1) CONTRACTOR TO VERIFY (E) FIBER OPTIC TERMINATION PANEL AT (E) MDF AND PROVIDE ALL PATCH PANELS, MODULES. ETC. TO SUPPORT ALL NEW EQUIPMENT AS REQUIRED
- (2) ROUTE CABLING AS INDICATED ON THE SITE PLAN FROM MDF TO RELOCATABLE CLASSROOM. COORDINATE DATA CABLE REQUIREMENTS WITH DISTRICT I.T. DEPARTMENT PRIOR TO INSTALLING
- ③ SEE POWER & SIGNAL PLAN FOR EXACT LOCATION OF IDF



# VOLTAGE DROP SUMMARY

Voltage Drop Summary												
Total Feeder Voltage Drop		Worst Case Bra	nch Circuit	Worst Case Voltage Drop								
MSB>DDP	0.27%	DDP-21,23	4.12%	4.39%								
MSB>DDP>P9	2.72%	-	-	2.72%								
MSB>DDP>P10	3.15%	-	-	3.15%								

ELECTR	ICAL LEGEND
	2X4 LIGHT FIXTURE
	(SURFACE, RECESSED) 2X2 LIGHT FIXTURE
	(SURFACE, RECESSED) FIXTURE W/ BATTERY BACKUP
	(TYP. ALL SHADED FIXTURES) RECESSED DOWNLIGHT
Q	ROUND SURFACE MOUNT LIGHT
$\odot$	PENDANT LIGHT
$\Delta \Delta \Delta$	TRACK LIGHT
P	SIGNLIGHT
ю	WALL MOUNT LIGHT
	POLE MOUNT LIGHT – 2 HEAD
	POLE MOUNT LIGHT - 1 HEAD
d A	EXIT/EMERGENCY COMBO LIGHT
	EMERGENCY FIXTURE
$\boxtimes$	EXIT LIGHT
	CEILING EXHAUST FAN
S <sub>"X"</sub>	WALL MOUNTED SWITCH, MOUNT SO TOP IS AT 44" AFF
S <sub>3,"X"</sub>	WALL MOUNTED 3-WAY SWITCH,
, <u>,</u>	MOUNT SO TOP IS AT 44" AFF
··· ///////	
	PRIMARY DAYLIGHT AREAS
$\langle / / \rangle$	SECONDARY DAYLIGHT AREAS
"X"	CEILING MOUNTED SENSOR
$\ominus_{n\chi^n} \bigoplus \bigoplus$	DUPLEX OUTLET – WALL (MOUNT SO BOTTOM IS
	16" AFF), FLOOR, CEILING
€ € €	16" AFF), FLOOR, CEILING DEDICATED OUTLET – WALL (MOUNT SO BOTTOM IS
	16" AFF), FLOOR, CEILING
$\bigcirc$	16" AFF), FLOOR, CEILING 30A, 120V OUTLET (NEMA 5–30R). MOUNT SO BOTTOM IS
۲	16" AFF 30A, 208/240V OUTLET (NEMA 6–30R), MOUNT SO BOTTOM IS
	16" AFF DUPLEX OUTLET WITH USB PORT, MOUNT SO BOTTOM IS AT 16"
►	AFF DATA PORT, MOUNT SO BOTTOM IS AT 16" AFF
S	SMOKE DETECTOR
C	CARBON MONOXIDE DECTECTOR
(J)	JUNCTION BOX
3P <u>60</u> ∏J	DISCONNECT - POLES
4∪ ∟×	(CAPACITY/FUSE)
"X"-1,3,5	HOME RUN – PANEL-CIRCUIT(S)
	WIRE/CONDUIT – OVERHEAD
	WIRE/CONDUIT - UNDERGROUND
	POWER PANEL
T	TRANSFORMER
AFF	ABOVE FINISHED FLOOR
+XX"	HEIGHT (INCHES) AFF
D M	DIMMER OCCUPANCY SENSOR
V	VACANCY SENSOR
GFI	GROUND FAULT INTERRUPTER
CH WP	COUNTERHEIGHT (+44") AND GFI WEATHERPROOF
wР НР	HORSEPOWER
BHP	BRAKE HORSEPOWER
NTS	NOT TO SCALE
TYP GND	TYPICAL GROUND
GEC	GROUNDING ELECTRODE
MSB	CONDUCTOR MAIN SWITCHBOARD
SBJ	SYSTEM BONDING JUMPER
	SUPPLY SIDE BONDING JUMPER
SSBJ	
SSBJ BCPM UON	BRANCH CIRCUIT POWER METER

AGENCY **APPROVAL:** 

3595005000

ISSUE

 $\Delta$  **DESCRIPTION** 

Opti

A ADDENDUM "A"

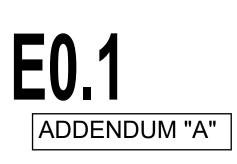
FACILITY: **HIRSCH ELEMENTARY SCHOOL** 1280 DOVE DR **TRACY, CA 95376** 

PROJECT: **HIRSCH ES - TK CLASSROOM** 

SHEET NAME:



DATE: 03/03/2025 SHEET:



CLIENT PROJ NO: 359500500

ELECTRICAL SCHEDULES, **ONE-LINES, & GENERAL NOTES** 



TRACY HMC Architects 2101 CAPITOL AVENUE, SUITE 100 SACRAMENTO, CA 95816 916 368 7990 / www.hmcarchitects.com

MIZEDENERGY

& FACILITIES CONSULTING, INC.

5734 Lonetree Boulevard, Rocklin, CA 95765

Office: (916) 626 5518 www.oefcinc.com

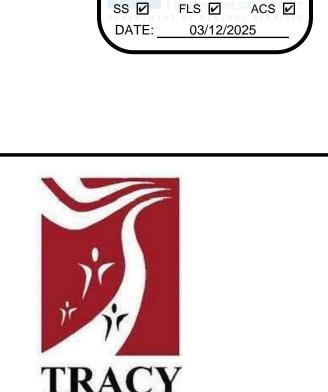
No.E23735

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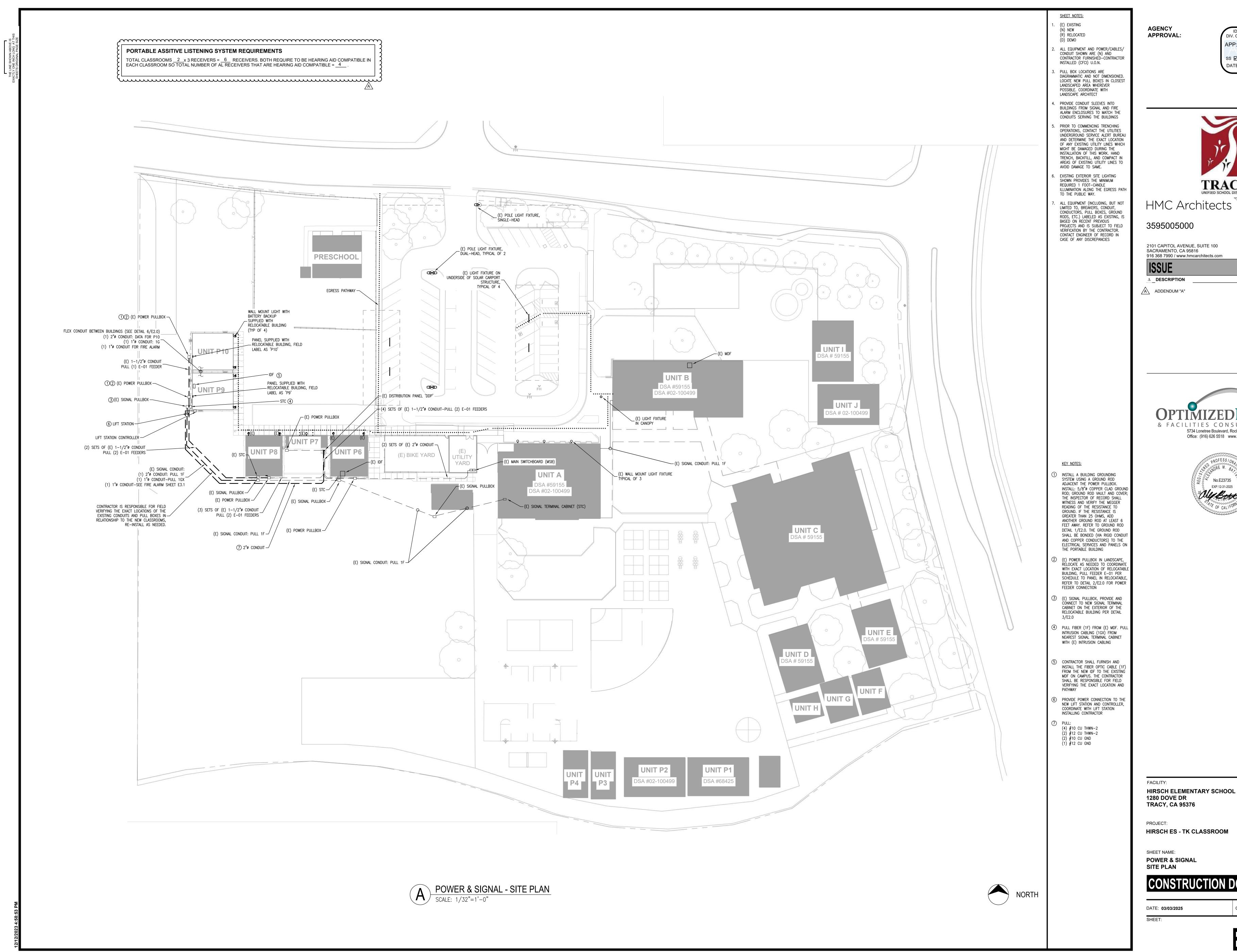


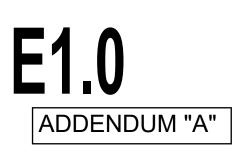
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DIV. OF THE STATE ARCHITEC

REVIEWED FOR

APP: 02-122973 INC:





**HIRSCH ES - TK CLASSROOM** 

**CONSTRUCTION DOCUMENTS** 



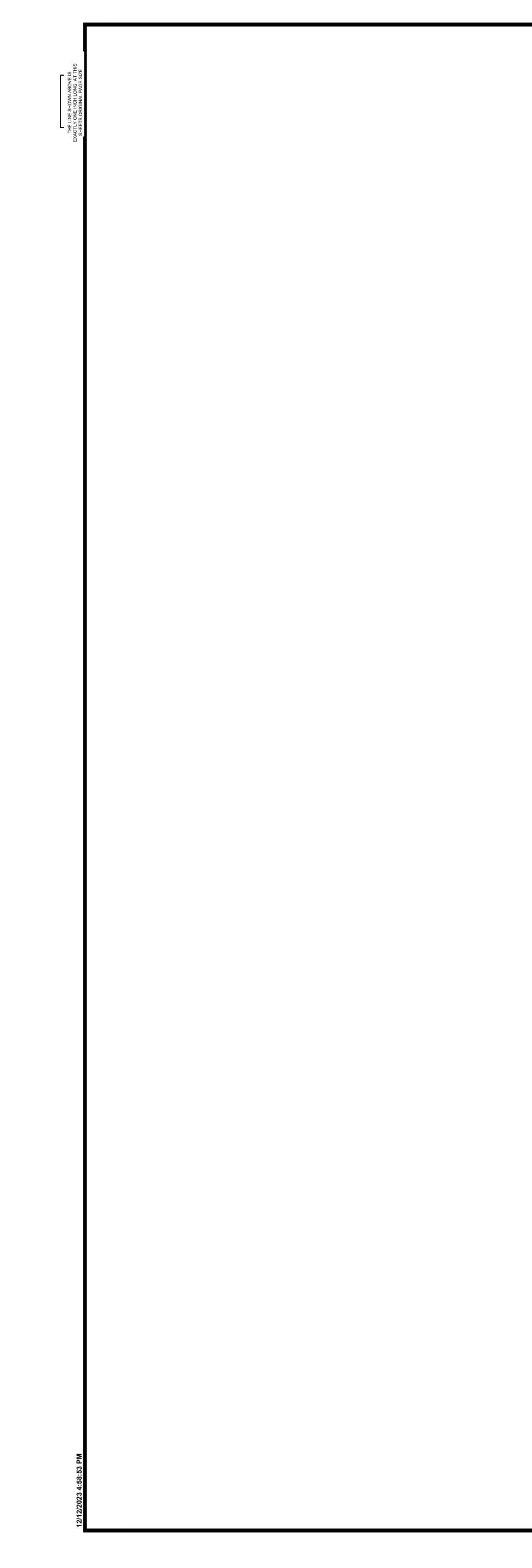
TRACY UNIFIED SCHOOL DISTRICT HMC Architects 2101 CAPITOL AVENUE, SUITE 100 916 368 7990 / www.hmcarchitects.com DATE 3/20/25

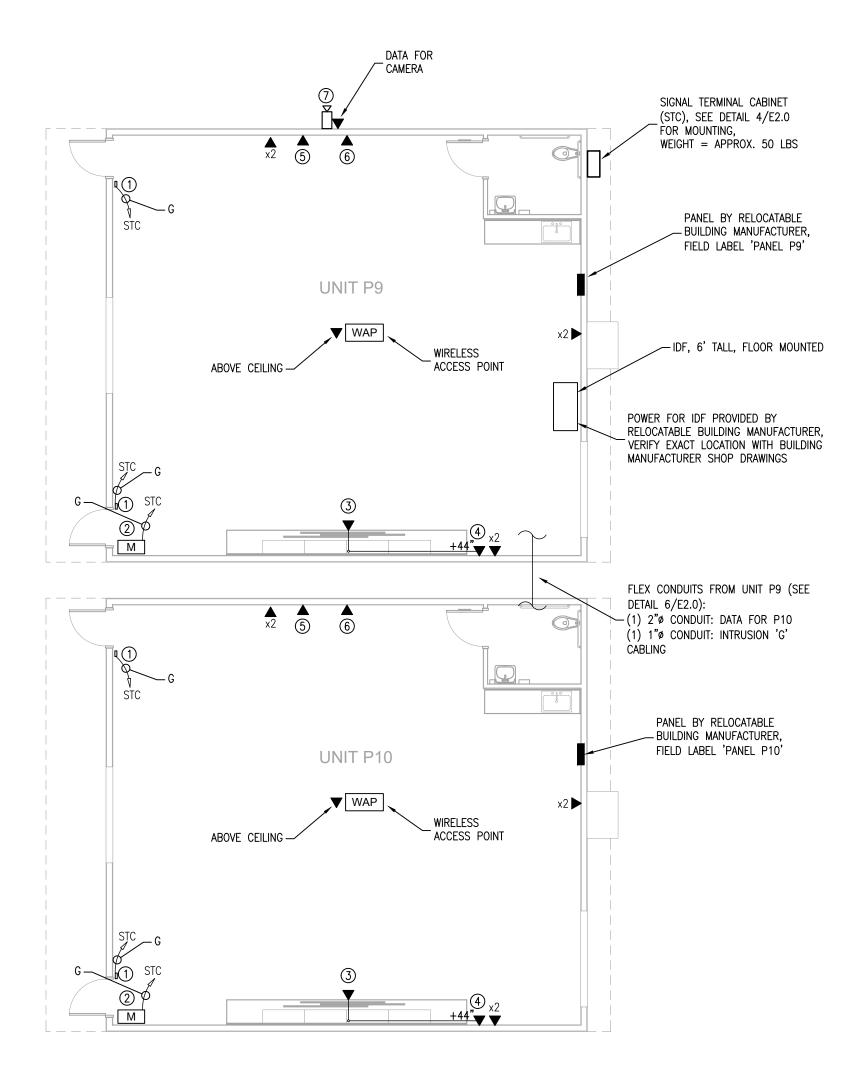
**OPTIMIZEDENERGY** & FACILITIES CONSULTING, INC. 5734 Lonetree Boulevard, Rocklin, CA 95765 Office: (916) 626 5518 www.oefcinc.com No.E23735 EXP.12-31-2025 Oly Base

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SS 🗹 FLS 🗹 ACS 🗹

DATE: 03/12/2025





**SIGNAL, DATA, & INTRUSION PLAN - RELOCATABLE CLASSROOM** SCALE: 1/8"=1'-0"



### AGENCY APPROVAL:

(D) DEMO 2. ALL RECEPTACLES/LIGHTING/MISC EQUIPMENT SHOWN ARE (N) AND CONTRACTOR FURNISHED-CONTRACTOR INSTALLED (CFCI), U.O.N. 3. CONTRACTOR SHALL FIELD VERIFY ALL RECEPTACLES AND DISCONNECTS

SHEET NOTES: (E) EXISTING

(R) RELOCATED

(N) NEW

- PROVIDED WITH THE RELOCATABLE BUILDING AND ENSURE THEY ARE WIRED AND INSTALLED PER CEC. REPLACE RECEPTACLES AS NEEDED I. CONTRACTOR SHALL FIELD VERIFY ALL RELOCATABLE LIGHT FIXTURES AND CONTROLS FUNCTION PROPERLY. INTEGRATE TO ANY EXISTING CAMPUS
- BUILDING MANAGEMENT) SYSTEMS, AND REPAIR AS NEEDED LOW VOLTAGE WIRING SHALL TRANSITION TO FREE AIR ABOVE THE CEILING, SUPPORTED BY J-HOOKS OR CABLE TRAYS AS SPECIFIED. PROVIDE CONDUIT SLEEVES THROUGH SHEAR WALLS, DRAFT STOPS, ETC. AND ABOVE NON-ACCESSIBLE CEILINGS

WIDE ENERGY MANAGEMENT (OR

- 6. COORDINATE CONDUIT DROPS FOR ALL DATA SHOWN WITH RELOCATABLE BUILDING MANUFACTURER, ENSURE MINIMUM 3/4"Ø CONDUIT WITH PULL STRING WAS PROVIDED FROM EACH DATA OUTLET UP TO CEILING SPACE. SITE CONTRACTOR SHALL PULL DATA
- ALL DATA SHALL HOMERUN TO THE (N) IDF LOCATED IN UNIT P9, U.O.N., CONTRACTOR SHALL REFER TO THE IT SPECIFICATIONS PROVIDED BY THE DISTRICT AND COORDINATE ALL DATA REQUIREMENTS WITH THE DISTRICT IT DEPARTMENT PRIOR TO FURNISHING AND INSTALLING

CABLING FROM EACH LOCATION SHOWN

3595005000

SACRAMENTO, CA 95816 ISSUE

 $\Delta$  **DESCRIPTION** 

A ADDENDUM "A"

- KEY NOTES:
- 1 PROVIDE SURFACE MOUNTED DOOR CONTACTS (ALL WIRE SHALL BE COVERED WITH RACEWAY) AND TIE INTO (E) INTRUSION SYSTEM, COORDINATE DETAILS WITH RELOCATABLE BUILDING MANUFACTURER AND LOCATION OF ROOM SIGNAGE BY ARCHITECT
- (2) PROVIDE MOTION SENSOR AND TIE INTO (E) INTRUSION SYSTEM
- (3) FURNISH AND INSTALL PROJECTOR (EPSON BRIGHTLINK 1485FI) ON THE TEACHING WALL. PRIOR TO INSTALLATION COORDINATE EXACT HEIGHT AND LOCATION WITH ARCHITECT, SEE DETAIL 3/A10.2 FOR MOUNTING, AND COORDINATE POWER AND DATA CONNECTIONS WITH THE RELOCATABLE BUILDING MANUFACTURER
- (4) FURNISH AND INSTALL PROJECTOR CONTROL PAD (EPSON PILOT). COORDINATE POWER CONNECTION WITH THE RELOCATABLE BUILDING MANUFACTURER, PROVIDE CAT6 CABLE BETWEEN PROJECTOR AND PROJECTOR CONTROL PAD, AND CAT6 CABLE FROM CONTROL PAD TO THE (N) IDF IN UNIT
- (5) PROVIDE SPEAKER INSTALLED ON A RECESSED BACKBOX AT 96" AFF, PROVIDE REQUIRED CABLING, COORDINATE SPEAKER REQUIREMENTS WITH OWNER
- 6 PROVIDE CLOCK INSTALLED ON A RECESSED BACKBOX AT 96" AFF, COORDINATE CLOCK REQUIREMENTS WITH OWNER
- OUTDOOR CAMERA WITH 180° COVERAGE, MOUNT ON WALL PER MANUFACTURER INSTRUCTIONS WEIGHT = APPROX. 6 LBS FIELD COORDINATE EXACT LOCATION WITH OWNER

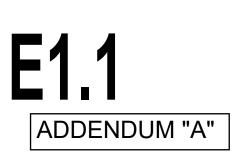
FACILITY: HIRSCH ELEMENTARY SCHOOL 1280 DOVE DR TRACY, CA 95376

PROJECT: HIRSCH ES - TK CLASSROOM

SHEET NAME: SIGNAL, DATA, & INTRUSION ENLARGED PLAN - RELOCATABLE CLASSROOM



DATE: 03/03/2025 SHEET:



CLIENT PROJ NO: 3595005000





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TRACY HMC Architects



DATE

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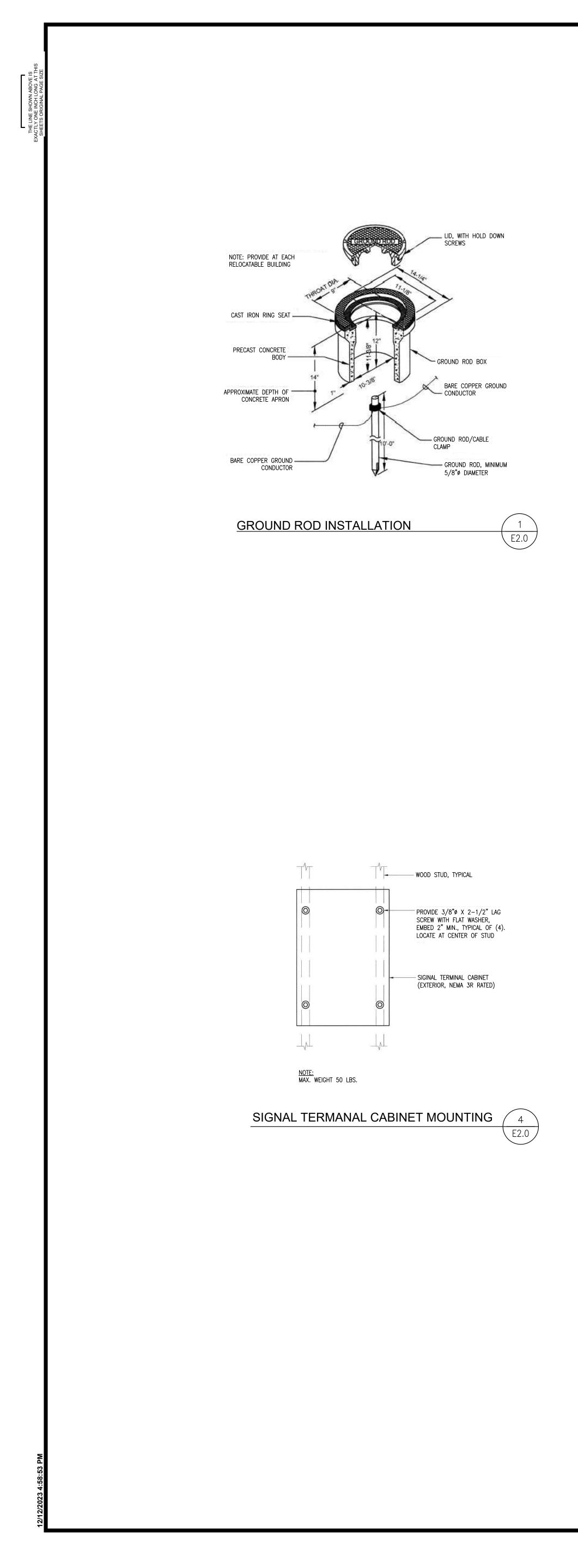
IDENTIFICATION STAMP

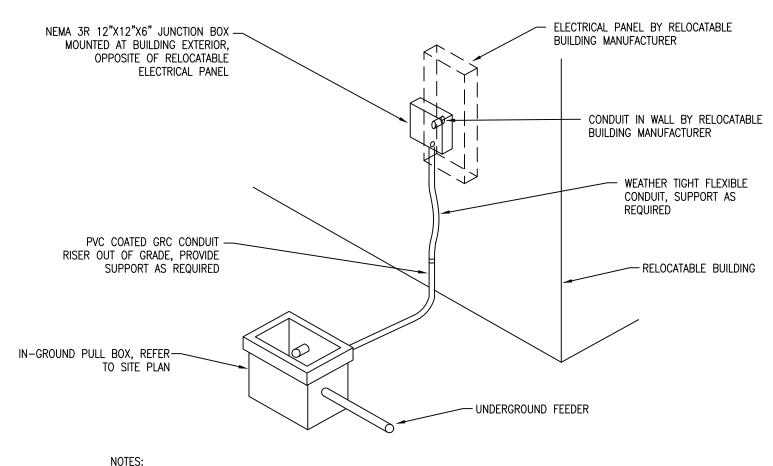
DIV. OF THE STATE ARCHITEC

REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

APP: 02-122973 INC:

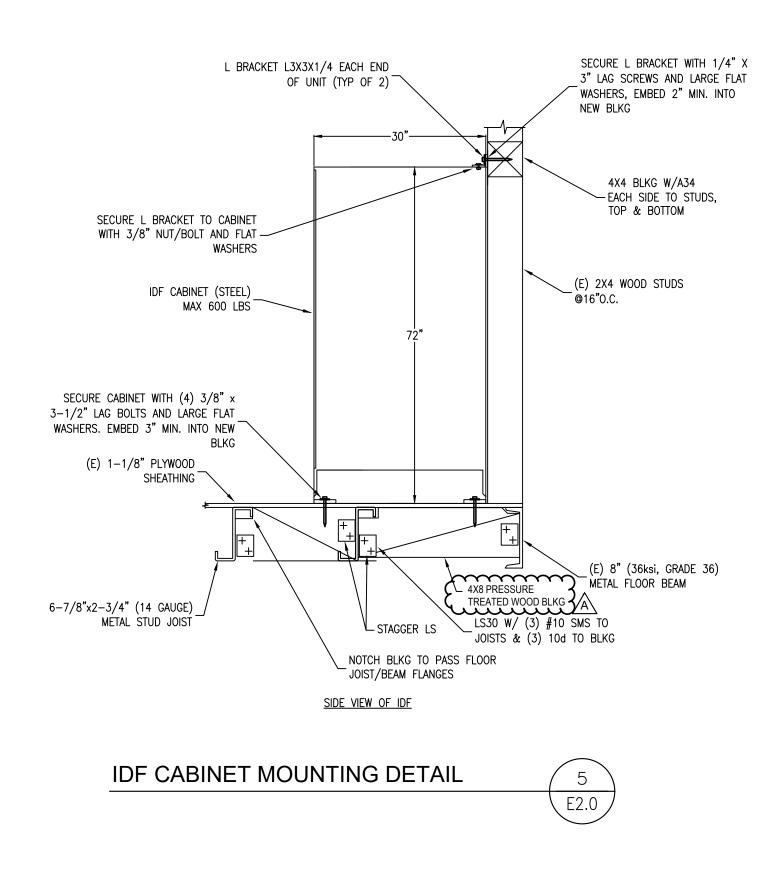
DATE: 03/12/2025



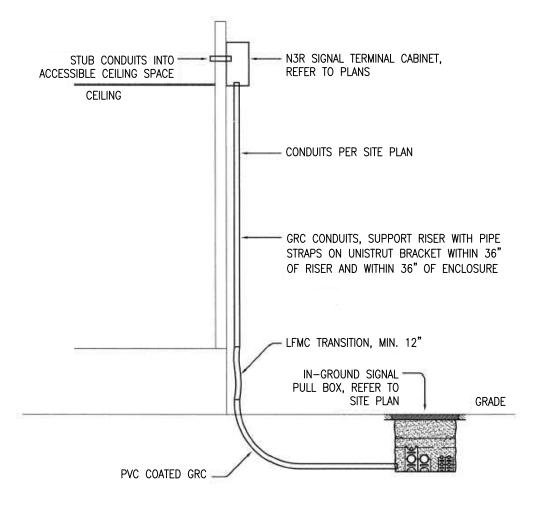




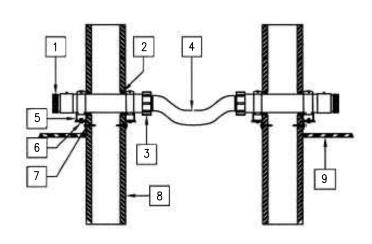




AGENCY APPROVAL:







NOTES:

- 1. PLASTIC BUSHING ON SET-SCREW CONNECTOR
- 2. CAULKING ACCORDING TO FIRE RATING, TYPICAL
- 3. WATER-TIGHT CONNECTORS IN ACCORDANCE WITH CODE AND SPECIFICATIONS
- 4. WATER-TIGHT FLEXIBLE CONDUIT WITH ENOUGH SLACK TO ALLOW BUILDING TO MOVE 12" WITHOUT OVER STRESSING CONDUIT. REFER TO PLANS FOR CONDUIT SIZES AND QUANTITY
- 5. CHANNEL STRUT BOLTED TO HEAVY L BRACKET
- 3/8" X 1-1/2" MACHINE BOLT WITH WASHERS BOTH SIDES AND HEX NUT
- 7. 3/8" LAG SCREW, MIN. 2-1/2" EMBEDMENT
- 8. EXTERIOR OF BUILDING
- 9. DROPPED CEILING INSIDE BUILDING

RELOCATABLE BUILDINGS CONDUIT CONNECTION



HMC Architects 3595005000



A ADDENDUM "A"

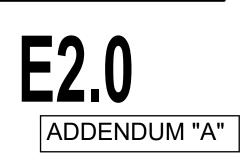
FACILITY: HIRSCH ELEMENTARY SCHOOL 1280 DOVE DR TRACY, CA 95376

PROJECT: HIRSCH ES - TK CLASSROOM

SHEET NAME: **POWER & SIGNAL** DETAILS



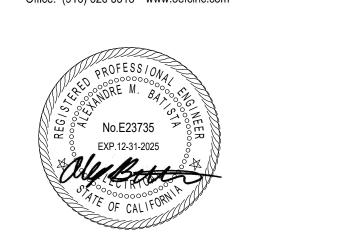
DATE: 03/03/2025 SHEET:



CLIENT PROJ NO: 359500500



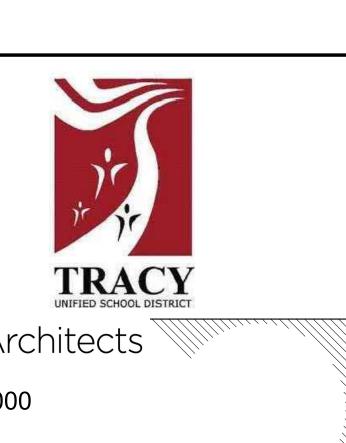






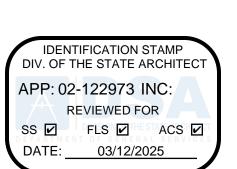
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TRACY UNIFIED SCHOOL DISTRICT



DATE

3/20/25

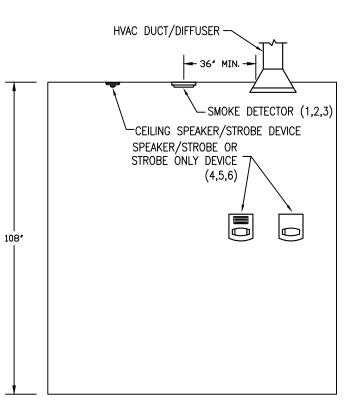


1)	THE FIRE ALARM SYSTEM SHALL CONFORM TO THE 2022 CALIFORNIA ELECTRICAL CODE ARTICLE 760, 2022 CALIFORNIA BUILDING CODE CHAPTER 9, AND THE 2022 CALIFORNIA FIRE CODE CHAPTER 9 & 2022 NFPA 72.
2)	THESE DRAWINGS CONSTITUTE A "COMPLETE PLAN SUBMITTAL" AS DESCRIBED BY DSA. THE EXISTING FIRE ALARM SYSTEM IS AN ADDRESSABLE, CONVENTIONAL CLASS B SYSTEM. FIRE ALARM INITIATION WITHIN THE PROJECT SCOPE OF WORK SHALL BE FULL AUTOMATIC.
3)	VISIBLE NOTIFICATION APPLIANCES SHALL MEET AND BE INSTALLED IN ACCORDANCE WITH THE 2022 NFPA 72, CHAPTER 18.
4)	AUDIBLE NOTIFICATION APPLIANCES SHALL MEET AND BE INSTALLED IN ACCORDANCE WITH THE 2022 NFPA 72, CHAPTER 18.
5)	UPON COMPLETION OF THE SYSTEM INSTALLATION, THE SYSTEM SHALL BE TESTED IN THE PRESENCE OF AND IN A MANNER ACCEPTABLE TO THE DSA PROJECT INSPECTOR. THE CONTRACTOR MUST SUPPLY NECESSARY TESTING EQUIPMENT INCLUDING A "SOUND LEVEL METER" TO CHECK ACCEPTABLE DECIBEL LEVELS OF AUDIBLE DEVICES, PROVIDE TEST RESULTS PER THE NFPA 72 "RECORD OF COMPLETION" TO THE ARCHITECT, DSA PROJECT INSPECTOR, OWNER, AND THE LOCAL FIRE AUTHORITY. ALL NORMALLY OCCUPIED AREAS SHALL BE PROVIDED WITH A FIRE ALARM AUDIBLE DECIBEL AT 15 DBA ABOVE MINIMUM NOISE LEVELS.
6)	THE ACTUAL FIRE ALARM NOTIFICATION CIRCUIT VOLTAGE DROP SHALL BE WITNESSED AND RECORDED BY THE DSA PROJECT INSPECTOR DURING THE TESTING OF THE CIRCUIT UNDER FULL LOAD.
7)	THE "END OF LINE RESISTANCE" FOR EACH CIRCUIT SHALL BE TESTED IN THE PRESENCE OF THE DSA PROJECT INSPECTOR AND SHALL NOT EXCEED A MAXIMUM OF 10% OF THE 24 VOLT SYSTEM. EACH COMPONENT IN THE CIRCUIT SHALL NOT EXCEED THE LISTED MANUFACTURER'S MINIMUM OPERATING VOLTAGES. SEE NFPA 72, LOOP RESISTANCE. THIS SECTION REQUIRES THAT ALL INITIATING AND INDICATING (NOTIFICATION APPLIANCE) CIRCUITS BE MEASURED AND RECORDED.
8)	FIRE ALARM CONTRACTOR SHALL PROVIDE A "RECORD OF COMPLETION" TO THE DSA INSPECTOR OF RECORD AFTER COMPLETION OF OPERATIONAL ACCEPTANCE TESTS (PER NFPA 72 7.5.6)
9)	THE SUPERVISING MONITORING AGENCY SHALL BE BY AN APPROVED SUPERVISING STATION PER CBC 907.2.3.5 & NFPA CHAPTER 26.
10)	FIRE ALARM CONDUIT SHALL BE SIZED PER MANUFACTURER RECOMMENDATION, PROVIDE 3/4" MINIMUM.
11)	PROVIDE ALL REQUIRED ELECTRONICS, CARDS, HARDWARE, ETC. FOR A COMPLETE AND FUNCTIONAL FIRE ALARM SYSTEM AND MAKE ALL FINAL CONNECTIONS AS REQUIRED. PROVIDE ALL FIRE ALARM ZONE SCHEDULES AND ZONE INDICATORS AT FIRE ALARM CONTROL PANEL.
12)	INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTATION AND SPECIFICATIONS, INCLUDING STATE FIRE MARSHALL LISTINGS SHEETS FOR EACH COMPONENT OF THE SYSTEM HAS BEEN APPROVED BY DSA.
13)	A STAMPED SET OF APPROVED FIRE ALARM DESIGN DRAWINGS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION.
14)	ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ENGINEER OF RECORD
15)	DSA, ARCHITECT/ENGINEER, AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND/OR TESTING.
16)	AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBELS (DBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.
17)	AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.
18)	THE CONTRACTOR SHALL ADJUST/INSTALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.
19)	VISUAL DEVICES SHOULD NOT EXCEED 2 FLASHES PER SECOND AND SHOULD NOT BE SLOWER THAN 1 FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELA. VISUAL DEVICES WITHIN 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.
20)	UNDERGROUND AND EXTERIOR CONDUIT TO HAVE WATERTIGHT FITTINGS AND WIRE TO BE APPROVED FOR WET LOCATIONS.
21)	ALL FIRE ALARM WIRING SHALL BE FPL OR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE THHN OR THWN.
22)	PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WIRE. ALL BOXES TO BE SIZED PER CEC.
23)	ALL FIRE ALARM CIRCUITS ARE TO BE IN CONDUIT, SURFACE RACEWAY OR OPEN RUN ABOVE THE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTECTED MANNER AS INDICATED ON THE DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.
24)	FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURERS SPECIFICATIONS. NO DEVICE SHALL EXCEED THE WEIGHT OF 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.
25)	A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPMENT AND THAT CIRCUIT SHALL BE ENERGIZED FROM A COMMON USE AREA PANEL. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT TO BE LABELED AT FIRE PANEL/EXPANDERS.
26)	THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6
27)	SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORRECT SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TESTING.
28)	OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT OR PROVISIONS. AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72 AND CBC 907.6.6.4. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX OR UUIS BY UL OR SHALL MEET THE REQUIREMENTS OF FM STANDARDS 3011.
29)	BEFORE REQUESTING FINAL APPROVAL OF THE INSTALLATION THE INSTALLING CONTRACTOR SHALL FURNISH A WRITTEN STATEMENT TO THE DSA PROJECT INSPECTOR TO THE EFFECT THAT THE SYSTEM HAS BEEN INSTALLED AND TESTED IN ACCORDANCE WITH 2022 NFPA 72 SECTION 14.4.1.
30)	TEST, INSPECTION, AND MAINTENANCE SHALL COMPLY WITH 2022 NFPA 72 CHAPTER 14 REQUIREMENTS.

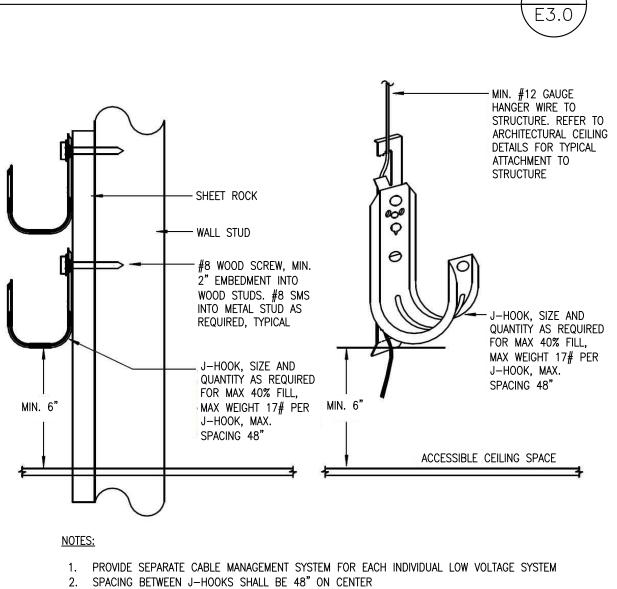
EX	ISTING FIRE ALAR	
SYMBOL	DESCRIPTION	MANUFACTUREF
FACP	FIRE ALARM CONTROL PANEL WITH INTEGRAL EVAC SYSTEM	GAMEWELL-FC
FACM	FIRE ALARM CONTROL MODULE, WAS THE PREVIOUS FACP, (E) BATTERY SYSTEM TO REMAIN	EST
FAPS	REMOTE POWER SUPPLY, PROVIDE 24VDC, 7AH BATTERY SYSTEM	FIRE-LITE
VAB	VOICE EVAC AMPLIFIER, 50W, PROVIDE 70VDC, 12AH BATTERY SYSTEM	GAMEWELL-FC
$(\mathbb{S})$	SMOKE DETECTOR CEILING MOUNTED ADDRESSABLE	GAMEWELL-FC
Η	HEAT DETECTOR (190°F)	GAMEWELL-FC
AC H	HEAT DETECTOR ABOVE CEILING	THERMOTECH
XXCD	SPEAKER/STROBE (15/75 CD)	WHEELOCK
	SPEAKER (EXTERIOR)	WHEELOCK
MM	MONITOR MODULE	EST
SM	SYNC MODULE	WHEELOCK

	NEW FIRE ALARM COMPONENT SCHEDULE													
SYMBOL	DESCRIPTION	MANUFACTURER	MODEL NO.	CSFM LISTING NO.										
$(\mathbb{S})$	ADDRESSABLE SMOKE DETECTOR W/ CEILING MOUNT BASE	GAMEWELL-FCI	ASD-PL3	7272–1703:0501										
AC	ADDRESSABLE HEAT DETECTOR (190°F) ABOVE CEILING	GAMEWELL-FCI	ATD-L3H	7270–1703:0502										
	SENSOR BASE	SYSTEM SENSOR	B300-6	7300–1653:0109										
XXCD	SPEAKER/STROBE (15/75 CD)	WHEELOCK	ELSPSTRC	7320–0785:0505										
XXCD	STROBE (15 CD)	WHEELOCK	ELSTRC	7135–0785:0504										
	SPEAKER (EXTERIOR) W/ WEATHERPROOF BACK BOX	WHEELOCK	ET-1010-R WBB-R WFP	7320–0785:0105 7300–0785:0177										

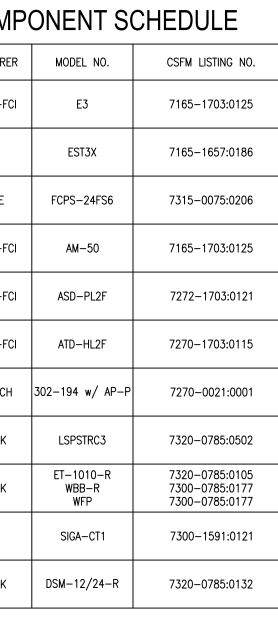
FIRE ALARM CABLE SCHEDULE										
DESIGN	DESCRIPTION	USE								
I	2#16 GENESIS 4111	FIRE ALARM ADDRESSABLE CABLE								
IX	2#16 GENESIS 4206	FIRE ALARM ADDRESSABLE TRUNK								
N	2#12 GENESIS 4320	FIRE ALARM NOTIFICATION WIRING								
NX	2#12 THWN W/AQUASEAL	FIRE ALARM NOTIFICATION TRUNK								
S	2#16 WEST PENN AQ225	VOICE EVACUATION SPEAKER CABLE								
SX	2#16 WEST PENN AQ294 W/AQUASEAL	VOICE EVACUATION SPEAKER TRUNK								



### FIRE ALARM DEVICE ELEVATION DETAIL



CABLE SUPPORT DETAIL



1.	MAXIMUM DISTANCE BETWEEN SMOKE DETECTORS IS 30
	AND 15' FROM WALLS, MAXIMUM DISTANCE FROM A
	CORNER IS 21' WITH CEILINGS 10' OR LESS

. MOUNT SMOKE DETECTORS MINIMUM OF 3' AWAY FROM

3. SMOKE DETECTORS SHALL BE MOUNTED ON THE CEILING

4. MOUNT EXTERNAL SPEAKER AT 90" MINIMUM AND 100"

5. FOR APPLICATIONS WHERE THE STRUCTURE IS BELOW 90", MOUNT SPEAKER AS HIGH AS POSSIBLE WITH A

MINIMUM OF 6" CLEARANCE TO THE TOP OF THE DEVICE

6. MOUNT SPEAKER/STROBE SO THE ENTIRE LENS IS WITHIN

7. WITH EVERY NEW FIRE ALARM SYSTEM A DOCUMENTATION CABINET SHALL BE INSTALLED AT THE FIRE ALARM CONTROL PANEL OR AT ANOTHER LOCATION APPROVED BY THE AHJ. THE CABINET SHALL BE PROMINENTLY LABELED

"SYSTEM RECORD DOCUMENTS" PER NFPA 72 7.7.2

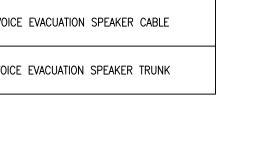
MAXIMUM TO THE TOP OF THE DEVICE

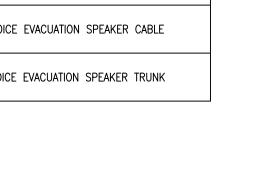
1.	MAXIMUM DISTANCE BETWEEN SMOKE DETECTORS IS
	AND 15' FROM WALLS, MAXIMUM DISTANCE FROM A
	CORNER IS 21' WITH CEILINGS 10' OR LESS

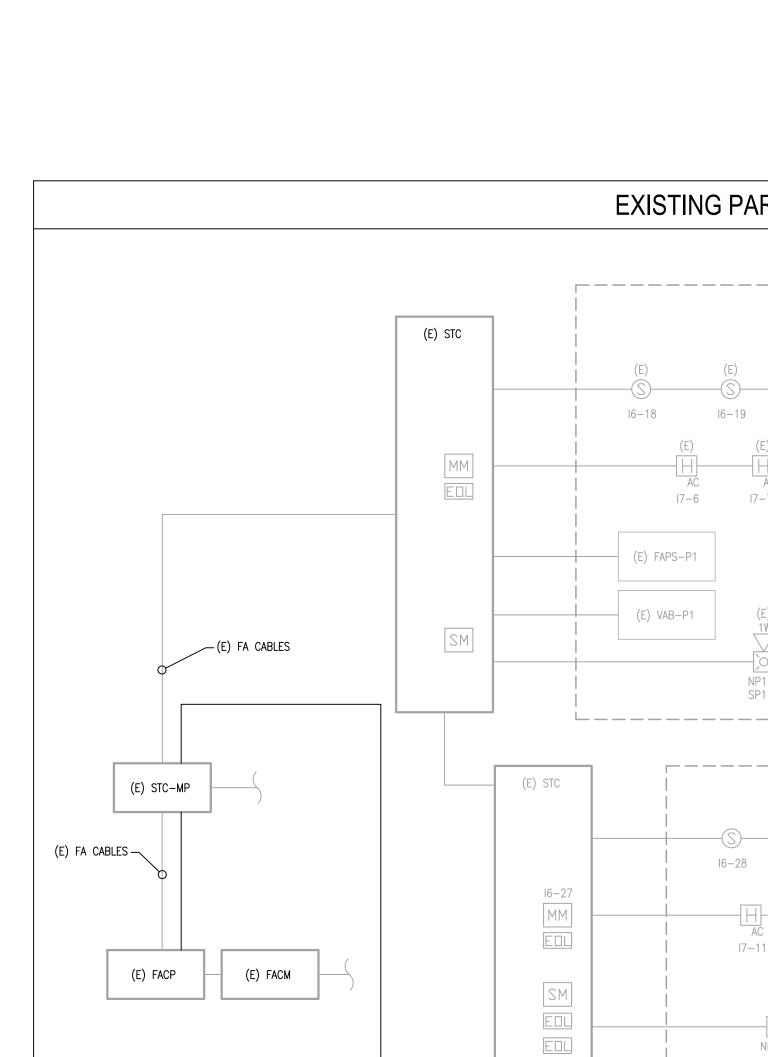
DIFFUSER VENT

MINIMUM 4" FROM WALL

80" AND 96" A.F.F.







STC

EDL

EDL

END OF LINE TYP.

1IX,1NX,1SX \_\_\_\_\_

	EQUIRED ACTION ALARM		ARM TROUBLE SUPERVISORY				CURRENT PER DEV		ER DEVICE	DEVICE STANDBY					
X = REQUIRED ACTION BLANK MEANS NOT APPLICABLE										DEVICE	QUANTITY	STANDBY	ALARM	CURRENT	ALARM CURRENT
										(E) FIRE ALARM BOOSTER PANEL	1	0.002	5.00	0.0020	5.0000
		Ω			9		- [			(E) STROBE (15CD)	2	0	0.040	0.0000	0.0800
	REPORTING	ALARMS			REPORTING					(N) STROBE (15CD)	2	0	0.040	0.0000	0.0800
d					1 1		N AT			(E) SPEAKER/STROBE (15CD)	2	0	0.040	0.0000	0.0800
EFFECT	SITF R				-SITE		CONDITION	CONDITION		(E) SPEAKER/STROBE (75CD)	4	0	0.155	0.0000	0.6200
	윤   남	쩐		FACP						(N) SPEAKER/STROBE (75CD)	4	0	0.155	0.0000	0.6200
	ARM AT ARM AT TITVATE PORTIN					TOTAL:	0.0020	6.4800							
CAUSE				TROUI	TROUI		SUPE	REPOL	REMARKS	USING THE FOLLOWING FORMULA:					I
1 SMOKE DETECTOR	X X	x								[(24 HOURS X STANDBY CURRENT)	+ (15 MINUTE	ES X ALARM CURREI	NT)] X 1.25 SAFET	$\Upsilon$ Factor = MINIM	JM BATTERY
											•		/-		
2 HEAT DETECTOR	X   X	:   X			1 1						DE+				
2 HEAT DETECTOR 3 MANUAL PULL STATION	X X X X	+ +								MINIMUM BATTERY AH REQUIRED AR					
		x							SHUTDOWN ASSOCIATED MECHANICAL UNIT (BY MECHANICAL)	MINIMUM BATTERY AH REQUIRED AR [(24 X 0.002) + (0.25 X 6.48)] x THE EXISTING <u>7AH</u> BATTERY SYSTEM	x 1.25 = 2.085				
3 MANUAL PULL STATION 4 DUCT DETECTOR	X X	x			x				MECHANICAL UNIT (BY	[(24 X 0.002) + (0.25 X 6.48)] x	x 1.25 = 2.085				
<ul> <li>MANUAL PULL STATION</li> <li>DUCT DETECTOR</li> <li>POWER FAILURE</li> </ul>	X X	x		X	X		X	x	MECHANICAL UNIT (BY	[(24 X 0.002) + (0.25 X 6.48)] x	x 1.25 = 2.085				
3     MANUAL PULL STATION       4     DUCT DETECTOR       5     POWER FAILURE	X X	x		x	x		x	x 1	MECHANICAL UNIT (BY	[(24 X 0.002) + (0.25 X 6.48)] x The existing <u>7ah</u> battery system	x 1.25 = 2.085 / IS SUFFICIENT				<b>&gt;</b> 1)
3       MANUAL PULL STATION         4       DUCT DETECTOR         5       POWER FAILURE         6       TAMPER SWITCH AT POST INDICATOR VALVE         7       TAMPER SWITCH AT FIRE SPRINKLER RISER	X X	x x x x x x x x x x x x x x x x x x x		X	X		X X X		MECHANICAL UNIT (BY	[(24 X 0.002) + (0.25 X 6.48)] x	x 1.25 = 2.085 / IS SUFFICIENT		ULATIO	NS (VAB-I	⊃1)
3       MANUAL PULL STATION         4       DUCT DETECTOR         5       POWER FAILURE         6       TAMPER SWITCH AT POST INDICATOR VALVE         7       TAMPER SWITCH AT FIRE SPRINKLER RISER         8       FLOW SWITCH AT FIRE SPRINKLER RISER         FIRE ALARM TROUBLE (OPEN, SHORTS OR GROUNDS	x         x           x         x	x x x x x x x x x x x x x x x x x x x					x x x		MECHANICAL UNIT (BY	[(24 X 0.002) + (0.25 X 6.48)] x The existing <u>7ah</u> battery system	x 1.25 = 2.085 / IS SUFFICIENT		ER DEVICE	NS (VAB-I STANDBY CURRENT	ALARM
<ul> <li>MANUAL PULL STATION</li> <li>DUCT DETECTOR</li> <li>POWER FAILURE</li> <li>TAMPER SWITCH AT POST INDICATOR VALVE</li> <li>TAMPER SWITCH AT FIRE SPRINKLER RISER</li> <li>FLOW SWITCH AT FIRE SPRINKLER RISER</li> <li>FIRE ALARM TROUBLE (OPEN, SHORTS OR GROUNDS</li> </ul>	x         x           x         x	x x x x x x x x x x x x x x x x x x x		x			x x x		MECHANICAL UNIT (BY	[(24 x 0.002) + (0.25 x 6.48)] x THE EXISTING <u>7AH</u> BATTERY SYSTEN BATTERY (	x 1.25 = 2.085 // IS SUFFICIENT	TY CALC		STANDBY	ALARN CURREN
3       MANUAL PULL STATION         4       DUCT DETECTOR         5       POWER FAILURE         6       TAMPER SWITCH AT POST INDICATOR VALVE         7       TAMPER SWITCH AT FIRE SPRINKLER RISER         8       FLOW SWITCH AT FIRE SPRINKLER RISER         9       FIRE ALARM TROUBLE (OPEN, SHORTS OR GROUNDS ON INITIATION, NOTIFICATION OR SIGNALING LINE	x         x           x         x	x x x x x x x x x x x x x x x x x x x							MECHANICAL UNIT (BY	[(24 X 0.002) + (0.25 X 6.48)] THE EXISTING <u>ZAH</u> BATTERY SYSTEN BATTERY C DEVICE	x 1.25 = 2.085 // IS SUFFICIENT	TY CALC CURRENT P STANDBY	ER DEVICE ALARM	STANDBY CURRENT	ALARN CURREN 1.8500
3       MANUAL PULL STATION         4       DUCT DETECTOR         5       POWER FAILURE         6       TAMPER SWITCH AT POST INDICATOR VALVE         7       TAMPER SWITCH AT FIRE SPRINKLER RISER         8       FLOW SWITCH AT FIRE SPRINKLER RISER         9       FIRE ALARM TROUBLE (OPEN, SHORTS OR GROUNDS ON INITIATION, NOTIFICATION OR SIGNALING LINE	x         x           x         x	x x x x x x x x x x x x x x x x x x x							MECHANICAL UNIT (BY	[(24 X 0.002) + (0.25 X 6.48)] x THE EXISTING <u>7AH</u> BATTERY SYSTEM BATTERY C DEVICE (E) VOICE EVAC AMPLIFIER, 50W	x 1.25 = 2.085 // IS SUFFICIENT	CURRENT P STANDBY 0.306	ER DEVICE ALARM 1.85	STANDBY CURRENT 0.3060	ALARM CURREN 1.8500 0.0830
3       MANUAL PULL STATION         4       DUCT DETECTOR         5       POWER FAILURE         6       TAMPER SWITCH AT POST INDICATOR VALVE         7       TAMPER SWITCH AT FIRE SPRINKLER RISER         8       FLOW SWITCH AT FIRE SPRINKLER RISER         9       FIRE ALARM TROUBLE (OPEN, SHORTS OR GROUNDS ON INITIATION, NOTIFICATION OR SIGNALING LINE	x         x           x         x	x x x x x x x x x x x x x x x x x x x							MECHANICAL UNIT (BY	[(24 X 0.002) + (0.25 X 6.48)] x THE EXISTING <u>7AH</u> BATTERY SYSTEM BATTERY C DEVICE (E) VOICE EVAC AMPLIFIER, 50W (E) EXTERIOR SPEAKER (2W)	x 1.25 = 2.085 // IS SUFFICIENT	CURRENT P STANDBY 0.306 0	ER DEVICE ALARM 1.85 0.083	STANDBY CURRENT 0.3060 0	ALARM CURREN 1.8500 0.0830 0.0830
<ul> <li>MANUAL PULL STATION</li> <li>DUCT DETECTOR</li> <li>POWER FAILURE</li> <li>TAMPER SWITCH AT POST INDICATOR VALVE</li> <li>TAMPER SWITCH AT FIRE SPRINKLER RISER</li> <li>FLOW SWITCH AT FIRE SPRINKLER RISER</li> <li>FIRE ALARM TROUBLE (OPEN, SHORTS OR GROUNDS ON INITIATION, NOTIFICATION OR SIGNALING LINE</li> </ul>	x         x           x         x	x x x x x x x x x x x x x x x x x x x							MECHANICAL UNIT (BY	[(24 X 0.002) + (0.25 X 6.48)] x THE EXISTING <u>7AH</u> BATTERY SYSTEM BATTERY C DEVICE (E) VOICE EVAC AMPLIFIER, 50W (E) EXTERIOR SPEAKER (2W) (N) EXTERIOR SPEAKER (2W)	x 1.25 = 2.085 M IS SUFFICIENT CAPACI QUANTITY 1 1 1 1	CURRENT P STANDBY 0.306 0 0	ER DEVICE ALARM 1.85 0.083 0.083	STANDBY CURRENT 0.3060 0 0	<b>D1)</b> ALARM CURREN 1.8500 0.0830 0.0830 0.2490 0.1664



2

E3.0

1

USING THE FOLLOWING FORMULA:

[(24 HOURS X STANDBY CURRENT) + (15 MINUTES X ALARM CURRENT)] X 1.25 SAFETY FACTOR = MINIMUM BATTERY AH MINIMUM BATTERY AH REQUIRED ARE:

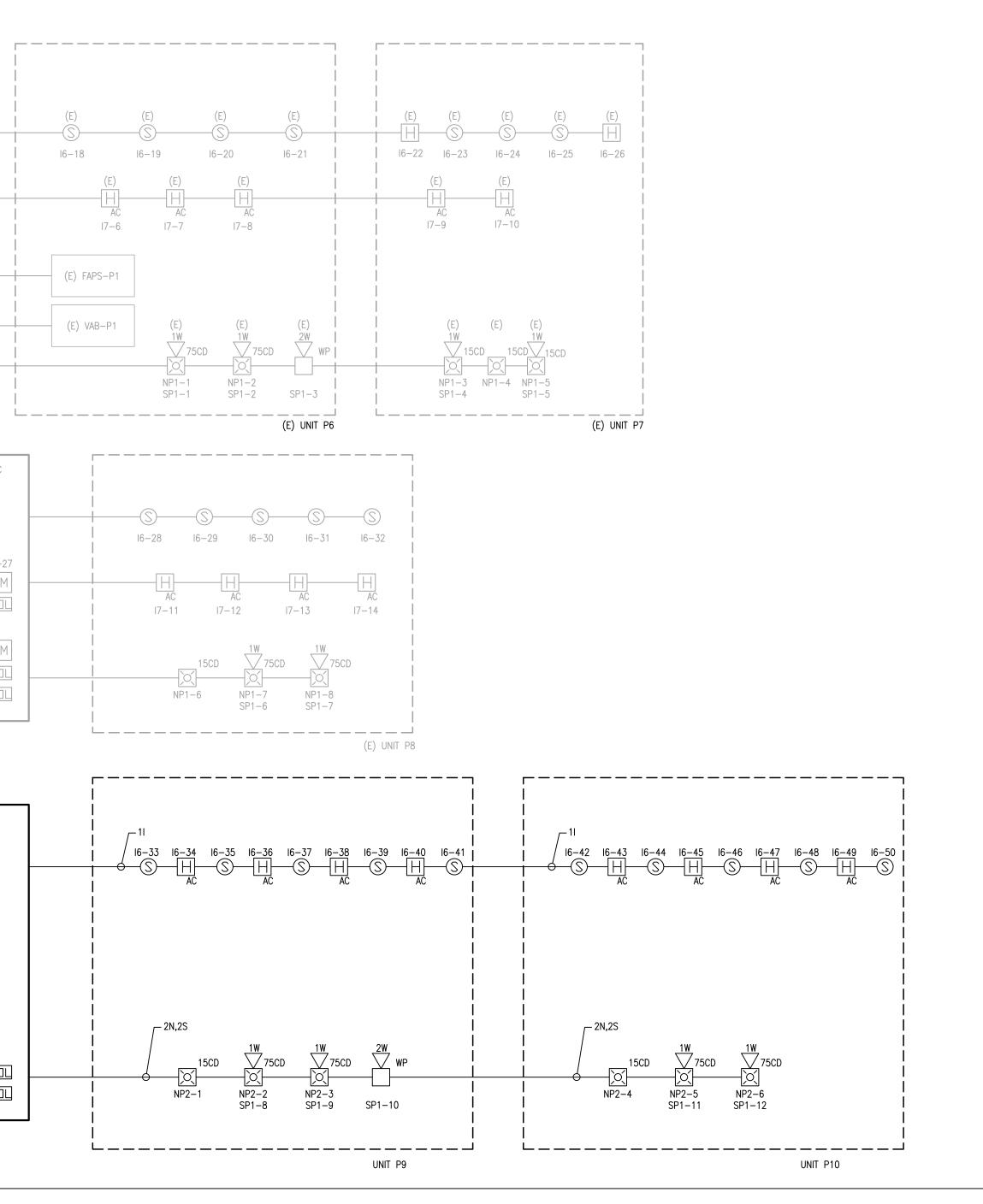
 $[(24 \times 0.306) + (0.25 \times 2.432)] \times 1.25 = 9.94 \text{ AH}$ 

EXISTING <u>12AH</u> BATTERY SYSTEM IS SUFFICIENT

FIRE ALARM VOLTAGE DROP CALCULATIONS												
CIRCUIT												
NO.	(FT)	VOLTAGE	(AWG)	1000 FT	AMPS	VOLTS	% OF NOM.					
NP2	580	24	12	2.01	0.7000	1.6321	6.8%					
SP1	1040	70	14	3.19	0.5820	3.8617	5.52%					
NOTES:												

1. LONGEST LUMP SUM METHOD

# EXISTING PARTIAL FIRE ALARM RISER DIAGRAM



AGENCY APPROVAL:

TRACY UNIFIED SCHOOL DISTRICT HMC Architects 3595005000

ISSUE  $\Delta$  **DESCRIPTION** 

A ADDENDUM "A"

FACILITY: 1280 DOVE DR TRACY, CA 95376

PROJECT:

SHEET NAME: FIRE ALARM GENERAL NOTES, RISER DIAGRAM, & SCHEDULES



DATE: 03/03/2025 SHEET:



CLIENT PROJ NO: 3595005000

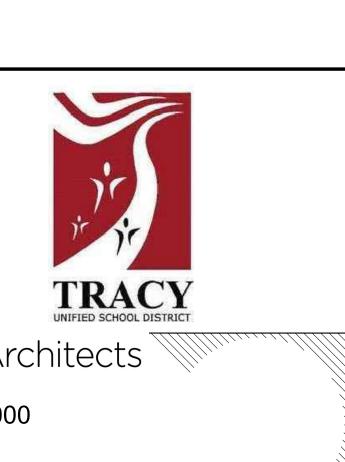
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HIRSCH ELEMENTARY SCHOOL





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DATE

3/20/25

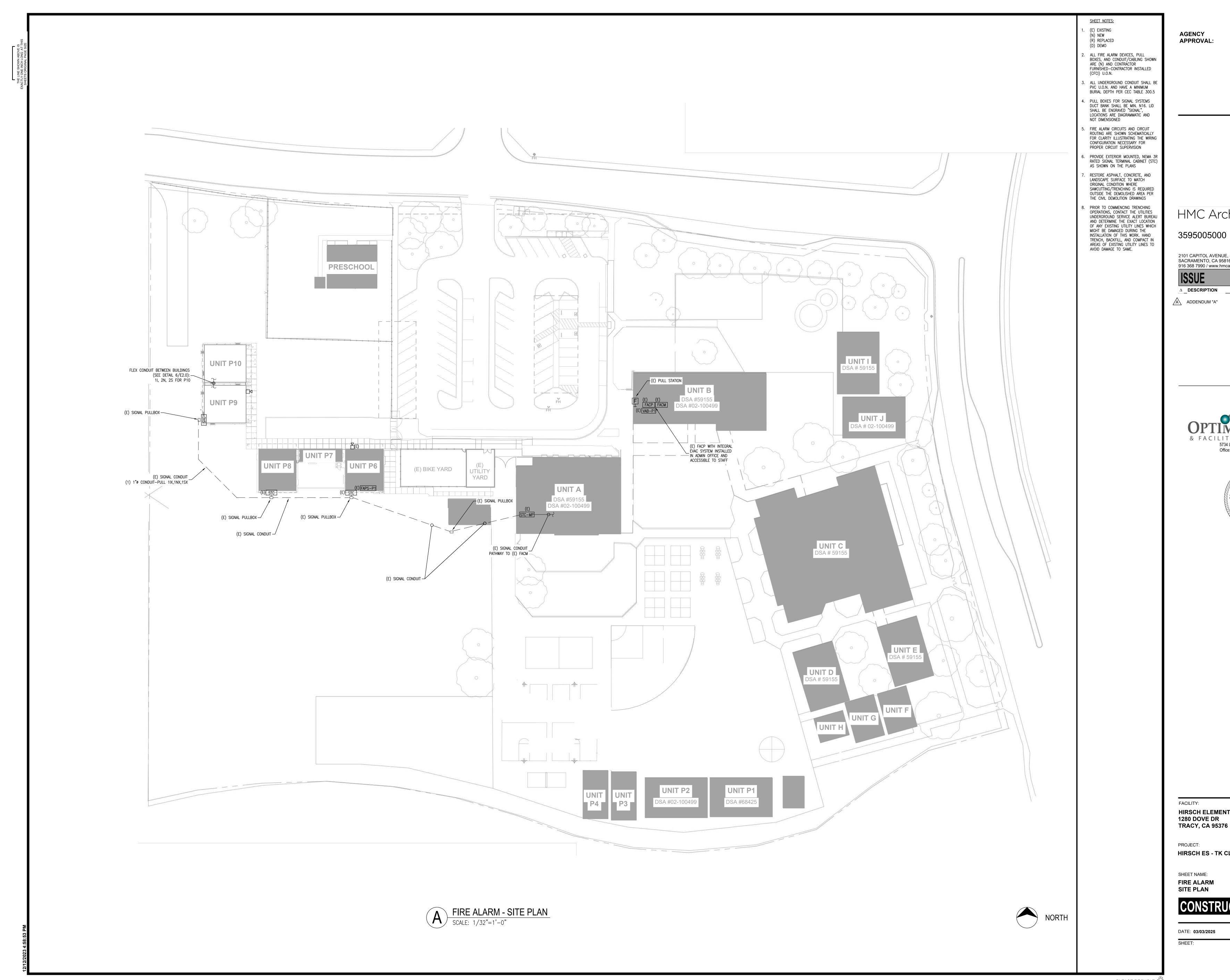
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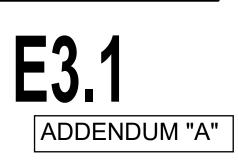
DIV. OF THE STATE ARCHITEC

APP: 02-122973 INC:

DATE: 03/12/2025

REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹





HIRSCH ELEMENTARY SCHOOL

HIRSCH ES - TK CLASSROOM

**CONSTRUCTION DOCUMENTS** 

No.E23735

EXP.12-31-2025 My Base



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TRACY HMC Architects



DATE

3/20/25

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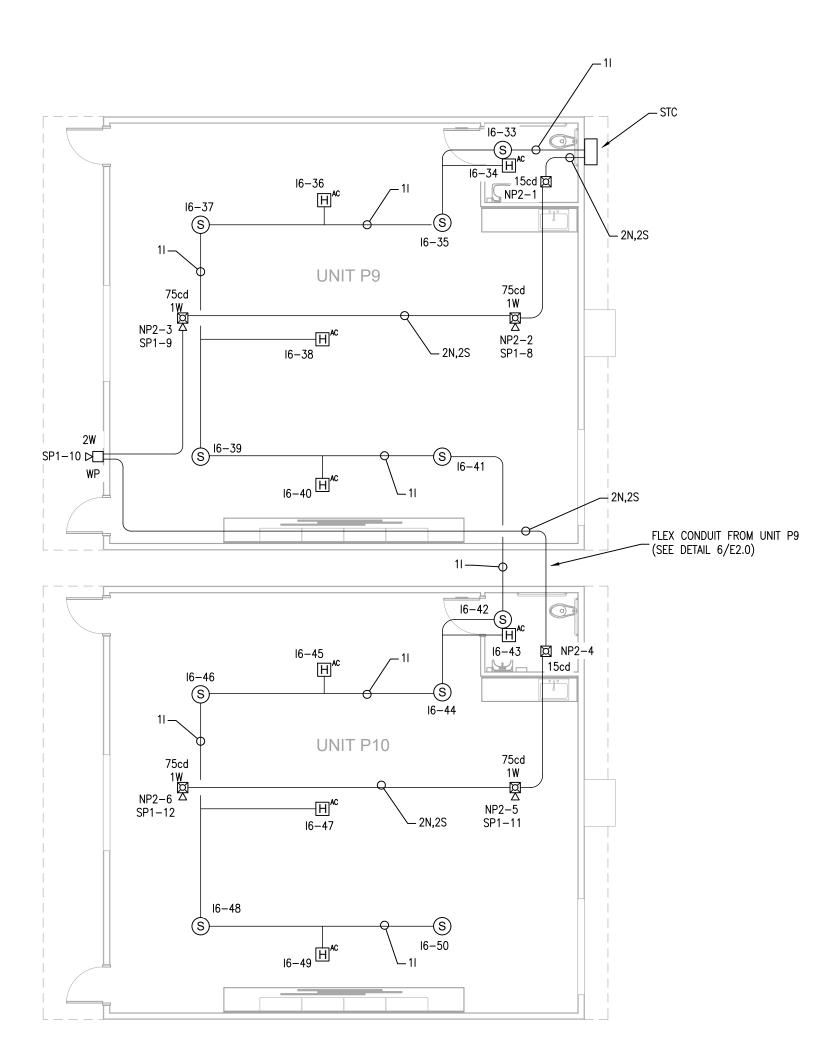
DIV. OF THE STATE ARCHITEC

REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

APP: 02-122973 INC:

DATE: 03/12/2025





**FIRE ALARM PLAN - RELOCATABLE CLASSROOM** SCALE: 1/8"=1'-0"



### AGENCY APPROVAL:

ALL FIRE ALARM DEVICES AND CONDUIT/CABLING SHOWN ARE (N) U.O.N.

3. MINIMUM SIZE CONDUIT PATHWAY SHALL BE 3/4"ø, U.O.N.

SHEET NOTES: (E) EXISTING

(R) REPLACED (D) DEMO

(N) NEW

4. FIRE ALARM SYSTEM INSTALLATION SHALL COMPLY WITH ALL REQUIREMENTS OF APPLICABLE CODES, STANDARDS, AND STATE REGULATIONS

5. FIRE ALARM SYSTEM SHALL BE TESTED AND INSPECTED IN ACCORDANCE WITH NFPA 72, CHAPTER 14

6. FIRE ALARM CIRCUITS AND CIRCUIT ROUTING ARE SHOWN SCHEMATICALLY FOR CLARITY ILLUSTRATING THE WIRING CONFIGURATION NECESSARY FOR

PROPER CIRCUIT SUPERVISION . COORDINATE CEILING MOUNTED FIRE ALARM DEVICE LOCATIONS WITH LIGHT

FIXTURES AND HVAC GRILLES BY MODULAR BUILDING CONTRACTOR. AVOID ALL CONFLICTS AND ENSURE MINIMUM 3' CLEARANCE IS MAINTAINED FROM SMOKE DETECTOR TO ALL HVAC GRILLES

INSTALL FIRE ALARM CONDUCTORS IN CONDUIT OR METAL SURFACE RACEWAY WHEN IN EXPOSED SPACES. MINIMUM SIZE OF CONDUIT SHALL BE 3/4"ø. UTILIZE WIREMOLD 700 SERIES SURFACE RACEWAY (IN LIEU OF CONDUIT) FOR AREA WHERE CONDUIT CANNOT BE INSTALLED CONCEALED. CABLE ABOVE ACCESSIBLE CEILING CAN BE INSTALLED FREE AIR WHEN USING APPLICABLE CABLE. SUPPORT ALL FREE AIR CABLE EVERY 48" WITH J-HOOKS.

J-HOOKS.

3595005000

ISSUE

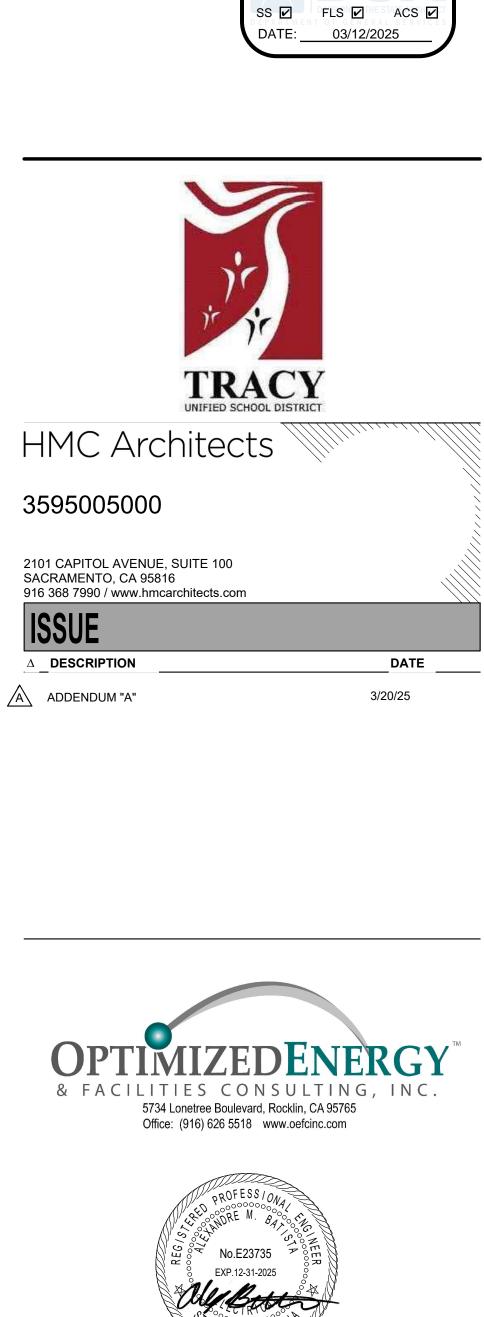
FACILITY: **1280 DOVE DR** 

PROJECT:

SHEET NAME: FIRE ALARM



DATE: 03/03/2025 SHEET:



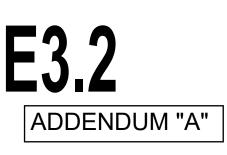
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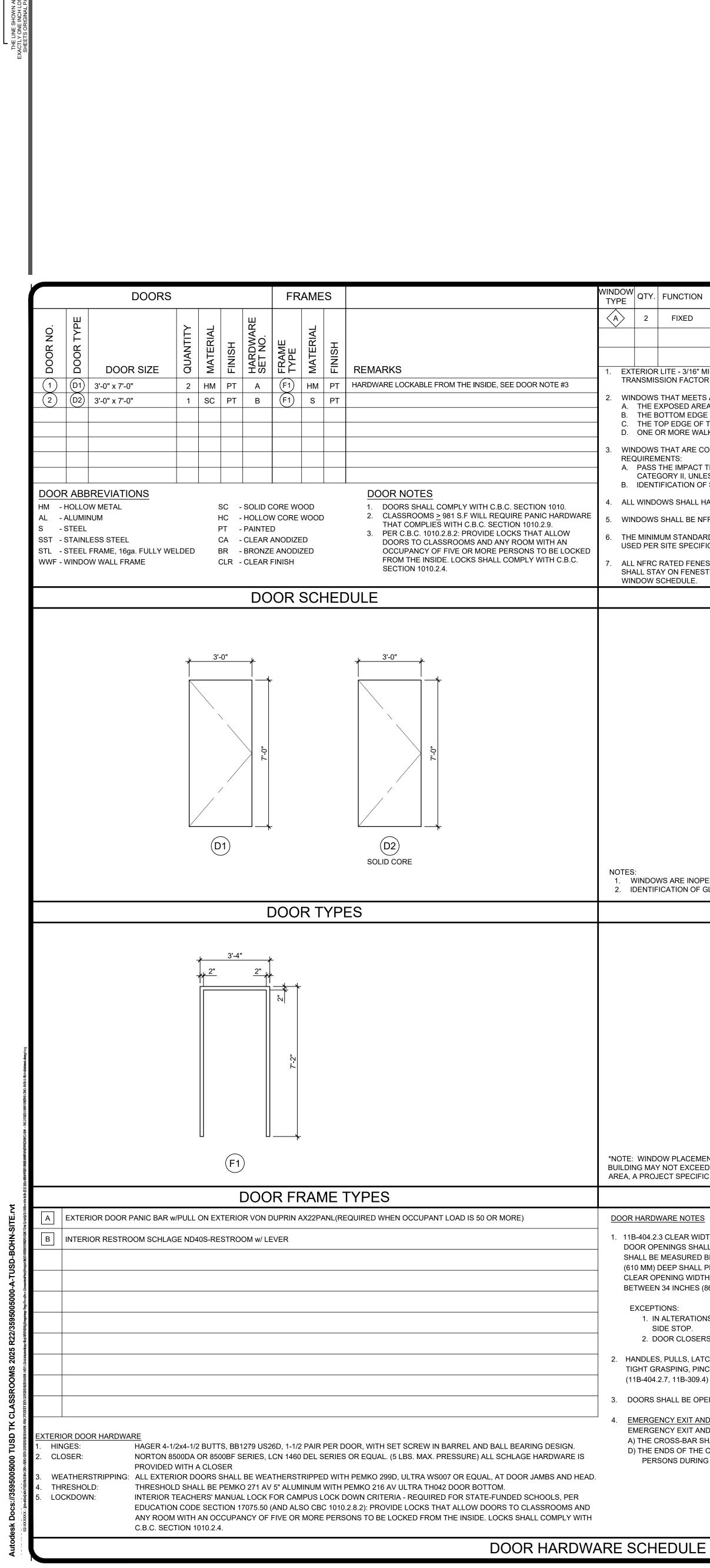
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HIRSCH ES - TK CLASSROOM



CLIENT PROJ NO: 3595005000

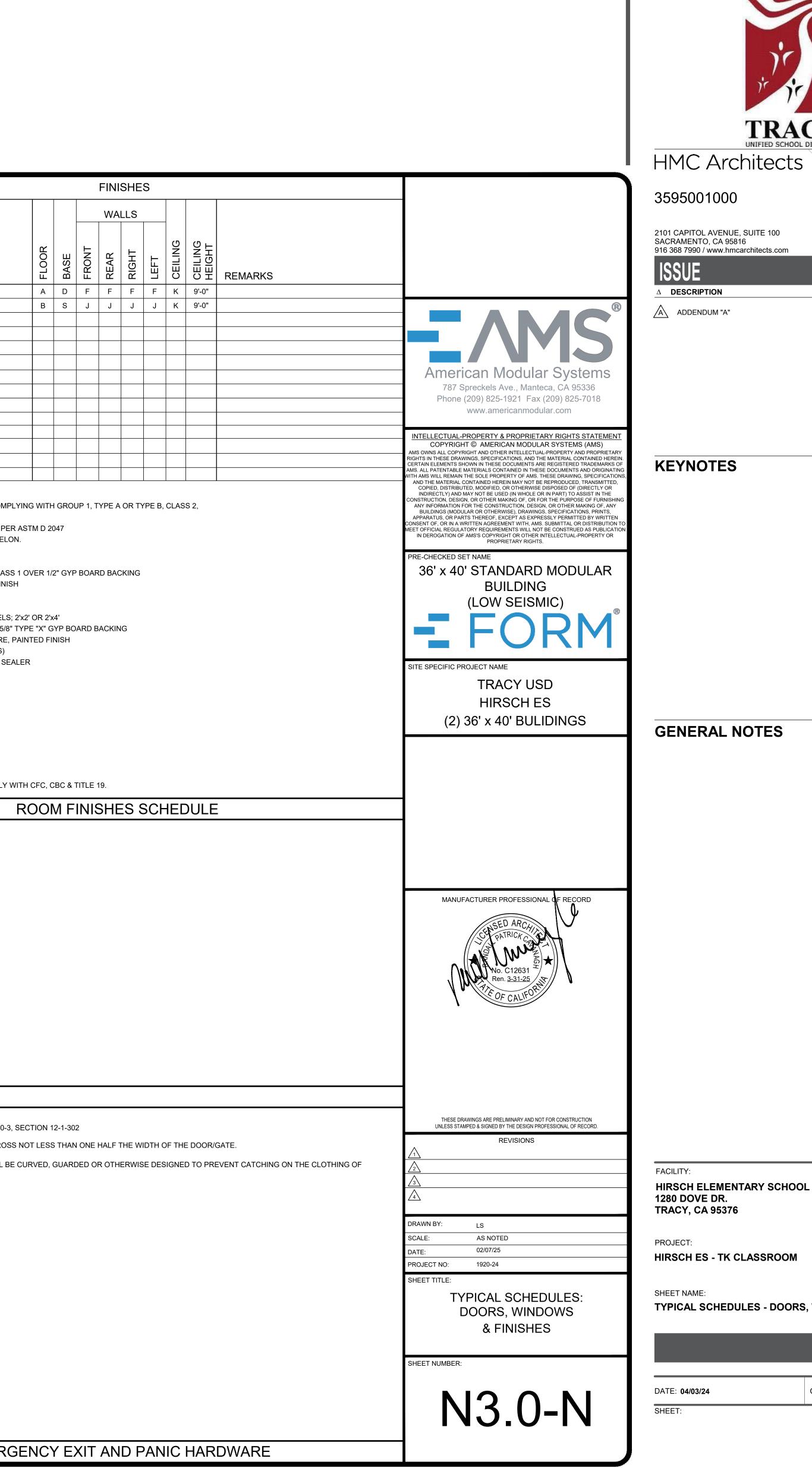


	FUNCTION	WIDTH	HEIGHT	FINISH	GLASS TIPE	UFACIUR	SHGC	MIN	RATING	REWARKS		
2	FIXED	8'-0" MAX.	4'-0" MAX.	BRONZE ANODIZED	SOLAR GREY <sup>6</sup>	0.42	0.25	0.44	27	INOPERABLE		
FRIOR	LITE - 3/16" MIN				DAS 1 GLASS OF	SOLAR GRAY	GLARE REDI		- WITH A LI	GHT	BOOM	
ANSMIS	SION FACTOR (	OF 45% MAXII	MUM. GLASS SH	HALL BE DUA	L-PANE.						ROOM NUMBER	ROOM NAME
THE E THE B	XPOSED AREA OTTOM EDGE C	of an Indivi of the glazi	DUAL PANE IS ( NG IS LESS TH	GREATER TH AN 18" ABOVI	ECIFIED IN SECTIO AN 9 SQUARE FEE E FINISH FLOOR.		HALL BE CON	ISIDERED A	A HAZARDO	OS LOCATION:	901 TYP 902 TYP	CLASSROOM - STANDARD SINGLE TOILET R.R.
ONE C	OR MORE WALK	ING SURFACE	E(S) ARE WITHI	N 36", MEASL	E FINISH FLOOR. IRED HORIZONTA							
QUIREN	IENTS:				LL CONTAIN FULL TH "CPSC 16 CFR							
	GORY II, UNLES				E 2406.2(1).							
	OWS SHALL HAN SHALL BE NFR		AMES AND BE	MANUFACTU	RED BY OTHERS.							
E MININ	IUM STANDARD	GLASS TYPE			SOLAR GREY GLA -PANE PER CA EN			IG (LOW E,	LOW E2, ET	TC.) MAY BE		
NFRC	RATED FENEST	RATION AS N	OTED ON THE	WINDOW SCI	HEDULE REQUIRE	TEMPORARY	NFRC LABE					
	CHEDULE.	ATION PROD					ED U-FACTO	R, SHGC, A	ND VI MAI	CH THE		
			V	VINDO	W SCHE	JULE					A - CARPET;	ICATOR OPTIONS PER STATE OF CALIF SPEC COMPL
											B - SHEET VII	ΓΥ 4600. NYL FLOORING; 0.6 MIN, C.D.F. PER
		-	<u>k</u>	8'-0"		-#					C - VCT; ARM D - TOP SET E - TOP SET I	•
								<b>•</b>			F - WALL FINI	ISH; 1/2" VINYL TACKBOARD CLASS GYP BOARD; TAPE, PAINTED FINISI
						4'-0"						BOARD; TAPE, PAINTED FINISH P.; OVER 1/2" W.R. GYP BOARD
											L - 1/2" VINYL	CAL LAY-IN GRID CEILING PANELS; TACKBOARD; CLASS 1, OVER 5/8"
											N - CERAMIC	E'X' GYP BOARD; TAPE, TEXTURE, F TILE - (FULL HEIGHT AT WALLS) O CONCRETE WITH CONCRETE SEA
				$\langle A \rangle$	<u>2" TYP.</u>	2" TYF					P - CLOUD CE	EILING PANELS OVED VINYL SHEET BASE
				$\checkmark$								
-	VS ARE INOPER		Y GLAZING PEF	R СВС СНАРТ	ER 24						NOTE: ALL INT	ERIOR FINISHES SHALL COMPLY W
						ES						
				WINDO	W GLAZING AREA TABLE MAX ALLOWE							
				BUILDII SIZE (F	T) WINDOW AREA (SQ FT							
				24'x40 36'x40								
				48'x40 60'x40								
				72'x40 84'x40								
				96'x40 108'x4								
				120'x4	0' 800							
					EFLECTS THE LA							
	ECT SPECIFIC 1		ORT SHALL B E	PROVIDED.	(SQ.FT.) LISTED II							
			VIN	WOUN	GLAZING	IABLE	<u> </u>				EMEDOENO	
3-404.2.	<u>VARE NOTES</u> 3 CLEAR WIDTH										IN COMPLIAN	Y EXIT AND PANIC HARDWARE: NCE WITH SFM STANDARD 12-10-3,
ALL BE	MEASURED BE	TWEEN THE	FACE OF THE D	OOR AND TH	(813 MM) MINIMUI IE STOP, WITH TH	E DOOR OPEI	N 90 DEGREE	S. OPENIN	GS MORE T	HAN 24 INCHES	. ,	ROSS BAR SHALL EXTEND ACROSS
EAR OF	PENING WIDTH I	LOWER THAN	I 34 INCHES (86	4 MM) ABOVE	(914 MM) MINIMU THE FINISH FLOO THE FINISH FLOOF	OR OR GROUI	ND. PROJECT	TIONS INTO	THE CLEAP	R OPENING WIDTH		DNS DURING EGRESS.
XCEPT	IONS:											
S	DE STOP.			. ,	AXIMUM INTO THE					D FOR THE LATCH		
NDLES	, PULLS, LATCH	IES, LOCKS A	ND OTHERS OF	PERABLE PAR	RTS ON DOORS S	HALL BE OPEI	RABLE WITH	ONE HAND	AND SHALI	L NOT REQUIRE		
	RASPING, PINCH 2.7, 11B-309.4)	IING OR TWIS	STING OF THE V	VRIST. THE F	ORCE REQUIRED	TO ACTIVATE	OPERABLE	PARTS SHA	LL BE 5 lbs.	. MAX.		
OORS S	SHALL BE OPER	ABLE FROM I	NSIDE WITH A	SINGLE MOTI	ON W/O THE USE	OF ANY TOOI	_S, EFFORT,	OR SPECIAI	L KNOWLEI	DGE.		
MERGE		PANIC HARD	WARE SHALL C					2				
) THE E		ROSS-BAR SH			E-HALF THE WIDT OR OTHERWISE			ATCHING O	N THE CLO	THING OF		
	_ 0 C L											
					*ADDI	TIONAL DOOF	RS MAY BE R	EQUIRED B	ASED ON B	UILDING LAYOUT.		
SCH	EDULE											EMERG

VT MIN STC MIN RATING

REMARKS

 'W'
 'H'
 FINISH
 GLASS TYPE
 U FACTOR
 SHGC





CLIENT PROJ NO: 3595001000

**TYPICAL SCHEDULES - DOORS, WINDOWS & FINISHES** 

PLEASE RECYCLE 🏹

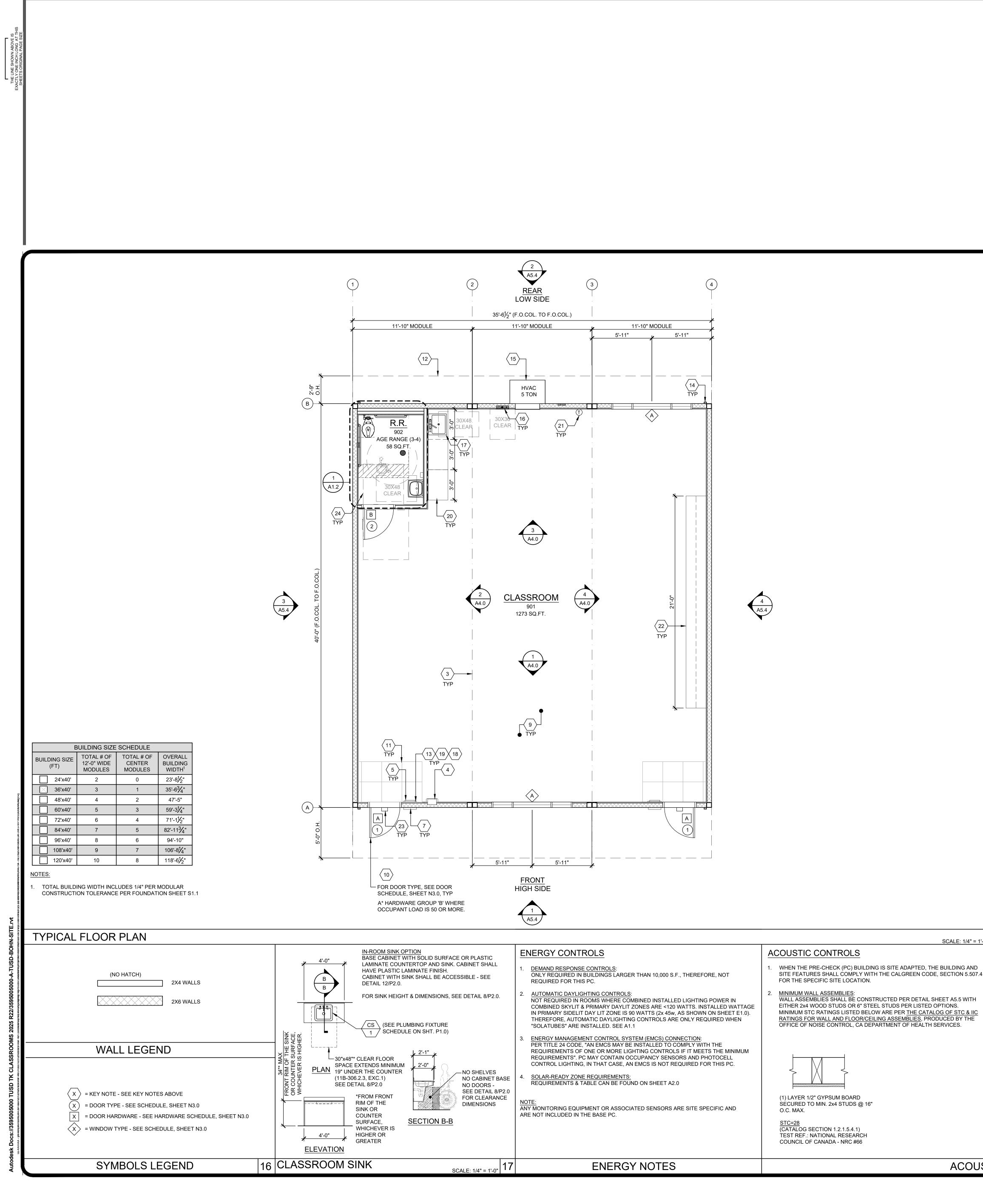
HIRSCH ES - TK CLASSROOM

TRACY

3/20/25

DATE

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-122973 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 03/12/2025



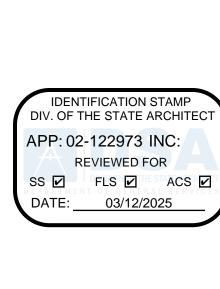
				2 De
				TRAC
				HMC Architects
	1     NOT USED       2     NOT USED			3595001000
	3 TYP MOD LINE	SHER - TOP OF HANDLE @ +48" A.F.F.		2101 CAPITOL AVENUE, SUITE 100
	4" MAX PROTRUSION FROM WAL IS ABOVE 27" A.F.F SEE 19/N4.0	F BOTTOM OF FIRE EXTINGUISHER		SACRAMENTO, CA 95816 916 368 7990 / www.hmcarchitects.com
	$\begin{pmatrix} 5 \\ 6 \end{pmatrix}$ TACTILE EXIT SIGN PER DETAIL 1 $\begin{pmatrix} 6 \\ 6 \end{pmatrix}$ NOT USED	0/N4.0 (BY OTHERS)		
	7 ROOM SIGNAGE AND I.S.A. PER D	ETAILS 5&9/N4.0 (BY OTHERS)		ADDENDUM "A"
	8     NOT USED       9     CARPET			
	10 EGRESS DOOR	2'-0" MIN. IN ALL DIRECTIONS @ ALL ENTRY DOOR)	American Modular Systems	
	CHANGES IN LEVEL ARE NOT PEI NON-ABSORBENT MATERIAL SHA	RMITTED IN DOOR MANEUVERING CLEARANCE LL BE FLUSH WITH CARPET (11B-404.2.4).	787 Spreckels Ave., Manteca, CA 95336 Phone (209) 825-1921 Fax (209) 825-7018 www.americanmodular.com	
	<ul> <li>(12) OVERHANG</li> <li>(13) OCCUPANT LOAD SIGN PER DETA</li> </ul>	AIL 11/N4.0 (BY OTHERS)	INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT	
	DOWNSPOUT - DISCHARGE TO S (QUANTITY AND LOCATION MAY)		COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS) AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF	KEYNOTES
	15 HVAC - SEE MECHANICAL AND NO		AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE	KETNOTES
	17 CASEWORK WITH SINK - REFER 1		CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO	
	18 REQUIRED ONLY FOR COMMERC LIVE LOADS EXCEEDING 50 PSF)	CBC SECTION 106.1. <i>(FLOOR LIVE LOAD SIGN IS IAL OR INSTITUTIONAL BUILDINGS DESIGNED WITH WHERE 150 PSF LIVE LOAD IS SPECIFIED, THE</i>	MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS.	
		T PERMITTED" SHALL ALSO BE INCLUDED ON THE POSTED IN PROMINENT PLACE AT OR NEAR THE	PRE-CHECKED SET NAME 36' x 40' STANDARD MODULAR	
	$\begin{pmatrix} 19 \\ 20 \end{pmatrix}$ CASEWORK - BLOCKING PER A7	GE BY OTHERS)	BUILDING (LOW SEISMIC)	
	21 THERMOSTAT - TOP @ 46" A.F.F.			
	$\langle 22 \rangle$ TEACHING WALL- BLOCKING PER $\langle 23 \rangle$ EXTERIOR LIGHT w/ EMERGENC	R A7.1 ( POWERED BACKUP - SEE ELECTRICAL	SITE SPECIFIC PROJECT NAME	
	24 ACCESSIBLE DOOR CLEARANCE		TRACY USD	
	PORTABLE ASSITIVE LISTENING SYSTE	<b>M REQUIREMENTS</b> RECEIVERS. BOTH REQUIRE TO BE HEARING AID COMPATIBLE IN EVERS THAT ARE HEARING AID COMPATIBLE = <u>4</u> .	HIRSCH ES (2) 36' x 40' BULIDINGS	
	<ol> <li>REFER TO SHEET N5.0 FOR POSSI OPTIONAL INTERIOR WALLS MAY I CONSTRUCTED PER SHEET S8.1. CASE ENVELOPE BASED ON AREA</li> <li>PANIC HARDWARE COMPLYING W WHEN THE CONFIGURATION OF A GREATER.</li> <li>IF OCCUPANCY LOAD EXCEEDS 50 1006.2.1.</li> <li>FOR EVERY ROOM OR SPACE USE OCCUPANT LOAD SIGN (BY OTHEF EXIT, PER C.B.C. SECTION 1004.9.</li> <li>ALL PRIMARY EXTERIOR DOOR EN INTRUSION BY USING NONABSOR 2 FEET AROUND AND PERPENDIC 5.407.2.2.1.</li> <li>PRIMARY EXTERIOR DOOR ENTRIN ROOF OVERHANG AT LEAST 4 F WINDOW PLACEMENT &amp; SIZE MAY LARGEST WINDOW OPTION. NO PO FENESTRATION AREA LISTED IN S THE TITLE 24 REPORT.</li> <li>CABINETRY MAY BE INSTALLED O THE INSIDE FACE OF EXTERIOR W 3/16:12 (1%) MINIMUM TO 1/4:12 BUILDING MUST BE ADHERED T OCCUR AROUND THE PERIMETION</li> </ol>	TH C.B.C. 1010.2.9 IS REQUIRED TO BE INSTALLED NY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OF P, PROVIDE A SECOND EXIT DOOR, PER CBC TABLE ED FOR ASSEMBLY OR CLASSROOM, PROVIDE AN RS) IN A CONSPICUOUS PLACE, NEAR THE MAIN ITRIES SHALL BE COVERED TO PREVENT WATER BENT FLOOR AND WALL FINISHES WITHIN AT LEAST JLAR TO OPENING, PER CALGREEN, SECTION ES SHALL HAVE AT LEAST ONE OF THE FOLLOWING FEET IN DEPTH. VARY AS THE TITLE 24 MODEL REFLECTS THE C'S TOTAL WINDOW AREA MAY EXCEED THE TOTAL ECTION G1. ENVELOPE GENERAL INFORMATION OF N ONE OR BOTH SIDES OF INTERIOR WALLS AND ALLS WHEN INSTALLED PER THE DETAIL 8/A7.1. (2%) MAXIMUM GRADE FROM FACE OF O FOR WATER RUN-OFF. PONDING MAY ER OF THE BUILDING.	MANUFACTURER PROFESSIONAL OF RECORD	
<sub>1'-0"</sub>   A	3. IN THE EVENT THAT A PC CLASSRO	ET NOTES OM IS DESIGNED TO CONNECT TO ANOTHER PC		
.4,	ADJOINING WALL AND FLOOR/CEIL	RIOR SOUND TRANSMISSION IN THE INTERIOR NG SHALL MEET THE MINIMUM REQUIREMENT OF A ECTION 507.4.3. (EXAMPLES OF QUALIFYING	$\wedge$	FACILITY: HIRSCH ELEMENTARY SCHOOL 1280 DOVE DR. TRACY, CA 95376
			DRAWN BY: LS SCALE: AS NOTED DATE: 02/07/25	PROJECT: HIRSCH ES - TK CLASSROOM
	(2) LAYER 5/8" GYPSUM BOARD SECURED TO MIN. 2x4 STUDS @ $3^{1}$ O.C. MAX. w/ $3^{1}$ / <sub>2</sub> " THK. BATT INSULATION	24"	PROJECT NO: 1920-24 SHEET TITLE: TYPICAL	SHEET NAME: <b>TYPICAL FLOOR PLAN</b>
	<u>STC=40</u> TEST REF.: AUDIO ALLOY L.L.C TE NUMBER: OL-05-1003 4. MINIMUM WINDOW & DOOR RATING		FLOOR PLAN	
		IED ON THE SCHEDULES FOUND ON SHEET N3.0 OF	SHEET NUMBER:	
			A1.0-N	DATE: 04/03/24 C
	ΝΟΤΓΟ		1	

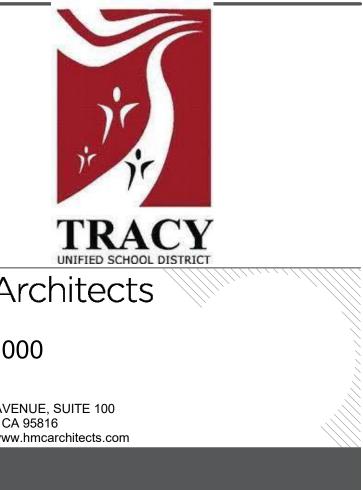
ACOUSTIC NOTES

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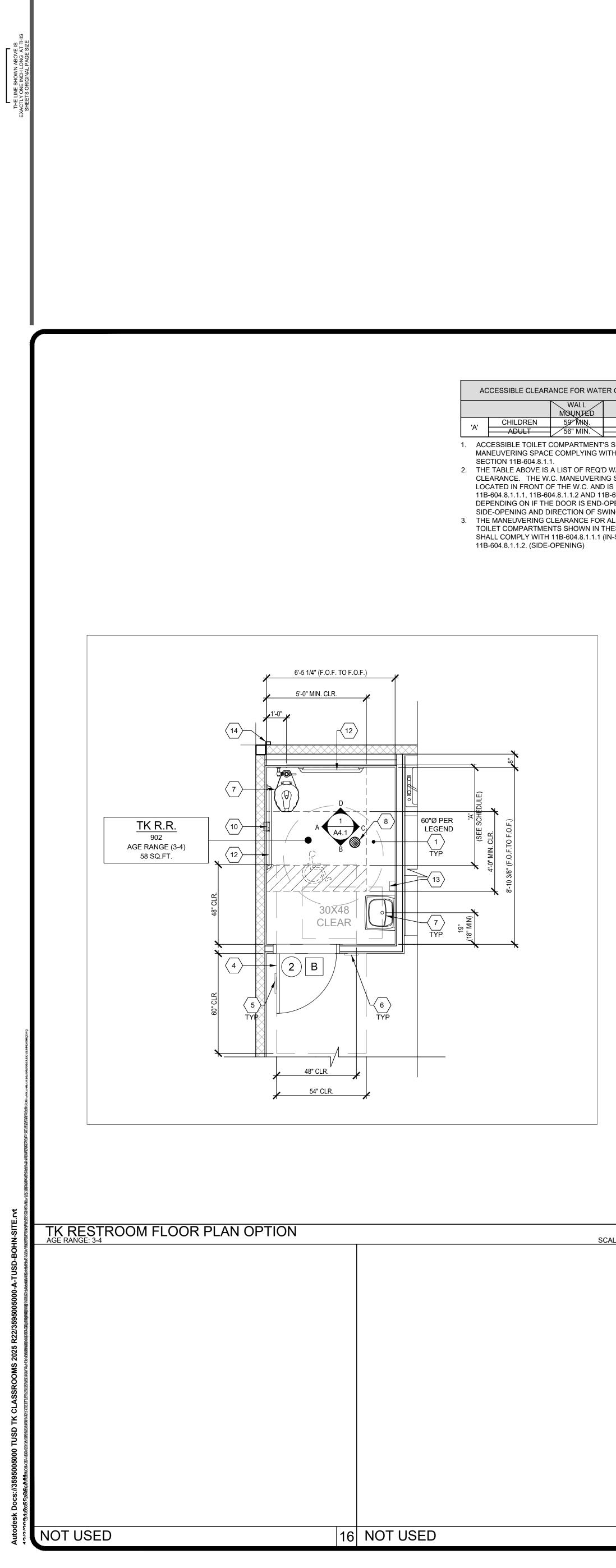
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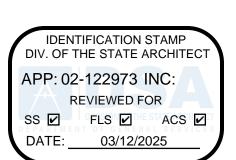


CALE: 3/8" = 1'-0" A	NOT USED	B	UNDER-FLOOR CONNECTIONS ARE BY SITE CONTRACTOR, U.O.N. SITE NOTE 3/16:12 (1%) MINIMUM TO 1/4:12 (2%) MAXIMUM GRADE FROM FACE OF BUILDING MUST BE ADHERED TO FOR WATER RUN-OFF. PONDING MAY OCCUR AROUND THE PERIMETER OF THE BUILDING.	MANUFACTURER PROFESSIONAL OF RECORD         USED ARCUTER PROFESSIONAL OF RECORD         No. C12631         Ren. 3-31-25         USED DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.         REVISIONS         A         A         A	FACILITY: HIRSCH ELEMENTARY SCHOOL 1280 DOVE DR.
			SITE NOTE 3/16:12 (1%) MINIMUM TO 1/4:12 (2%) MAXIMUM GRADE FROM FACE OF BUILDING MUST BE ADHERED TO FOR WATER RUN-OFF. PONDING MAY OCCUR AROUND	MANUFACTURER PROFESSIONAL OF RECORD	
			<ol> <li>DIMENSIONS ARE TO FACE OF FINISH (F.O.F.) UNLESS NOTED OTHERWISE (i.e. F.O.C., ξ)</li> <li>RESTROOM CONFIGURATION MAY VARY PER BUILDING CONFIGURATION.</li> <li>RESTROOM MODULE OCCURS ONLY AT END OF BUILDING. SINGLE RESTROOMS MAY OCCUR IN ANY PART OF A BUILDING.</li> <li>RESTROOM MODULE CANNOT STAND ALONE AND SHALL BE ASSEMBLED TOGETHER WITH AT LEAST ONE OTHER MODULE OF THE SAME SIZE.</li> <li>INTERIOR WALLS MAY OCCUR THROUGHOUT BUILDING. REFER TO SHEET S8.1 FOR ATTACHMENTS.</li> <li>REFER TO SCHEDULE 10/P2.0 FOR ACCESSIBLE HEIGHTS &amp; DIMENSIONS.</li> <li>SEWER AND WATER STUB OUTS SHALL BE LOCATED WITHIN THE ALLOWABLE AREA AS SHOWN ON FLOOR PLAN AND CONNECTIONS SHALL BE EASILY ACCESSIBLE FOR FUTURE RELOCATION. STUB OUT HEIGHT SHALL BE COORDINATED BY THE MANUFACTURER.</li> <li>PIPING MATERIAL         <ul> <li>WATER: COPPER TYPE "L", 95/5 SOLDER.</li> <li>WASTE DRAIN AND VENT: ABS.</li> <li>TOILET COMPARTMENT DOORS LOCATED IN THE SIDE WALL OR PARTITION, THE</li> </ul> </li> </ol>	APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO METOFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS. PRE-CHECKED SET NAME <b>36' x 40' STANDARD MODULAR</b> <b>BUILDING</b> (LOW SEISMIC) <b>FOR ROMAN</b> (LOW SEISMIC) <b>FOR ROMAN</b> SITE SPECIFIC PROJECT NAME <b>TRACY USD</b> HIRSCH ES (2) 36' x 40' BULIDINGS	GENERAL NOTES
ER CLOSETS FLOOR MOUNTED 59" MIN. 59" MIN. 59" MIN. 59" MIN. S SHALL HAVE A /ITH 2022 CBC O WATER CLOSET NG SPACE IS O WATER CLOSET NG SPACE IS O SPA			1       CLEAR FLOOR SPACE AREA         2       TYP. MOD LINE         3       NOT USED         4       DOOR PER SCHEDULE ON SHEET N3.0, TYP.         5       RESTROOM SIGNAGE (BY OTHERS) PER DETAILS 1-9, SHEET N4.0         6       ROOM AND ISA SIGNAGE (BY OTHERS) PER DETAILS 5&9/N4.0         7       PLUMBING FIXTURE PER P1.0         8       FLOOR DRAIN (LOCATION MAY VARY) - PER P1.0.         1:48 FLOOR SLOPE MAX       9         9       NOT USED         10       TOILET TISSUE DISPENSER PER ACCESSIBLE HEIGHTS TABLE 10/P2.0         11       NOT USED         12       GRAB BARS - SEE 18/P2.0         13       SOAP DISPENSER (BY OTHERS)         14       DOWNSPOUT - DISCHARGE TO SPLASH BLOCK (U.N.O.) (QUANTITY AND LOCATION MAY VARY)	CONTRUCTION, DESIGN, OR OTHER MAKING OF, OR OTHER MAKING OF, ANY     SURDINAL CONTRUCTION, DESIGN, OR OTHER MAKING OF, OR OTHER PURPOSE OF FURMISHING     AND THE MAKENTAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTER	<text><text><section-header><section-header><section-header></section-header></section-header></section-header></text></text>

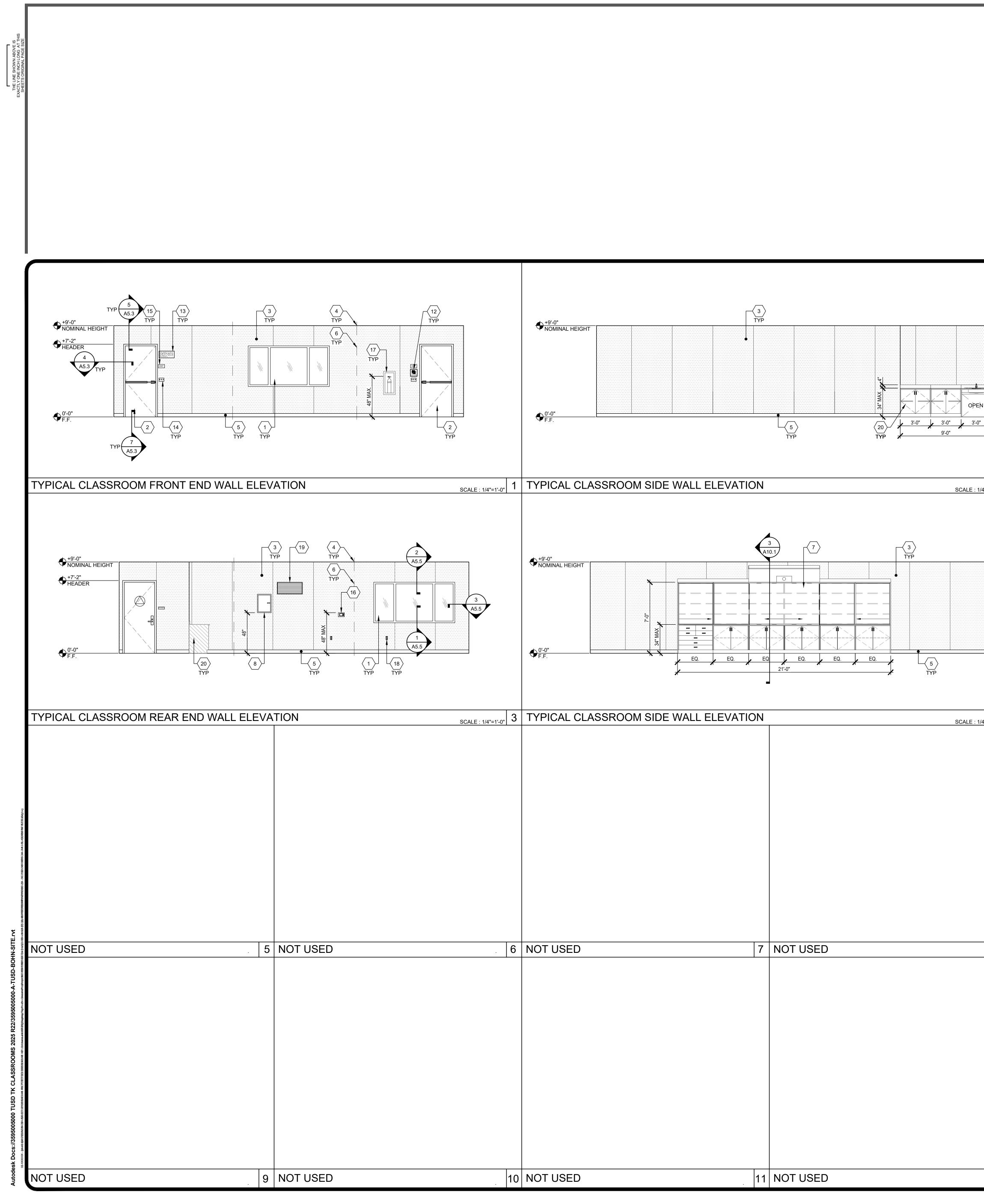


FLOOR PLAN OPTIONS - AGE RANGE 3-4

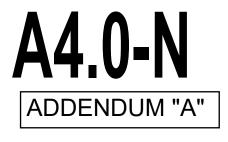
TRACY



DATE



	1       WINDOW, SEE N3.0 FOR SPECS         2       TYP EXTERIOR DOOR, SEE N3.0 FOR SPECS         3       TACKBOARD - (FLAME RESISTANT INDUSTRIAL TACKABLE BOARD) - SHALL BE CLASS A RATED (ASTM E-44), NOMINAL PAREL THICKNESS SHALL BE ± 0.5" AND SHALL BE INSTALED IN ACCORDANCE WITH THE MANUFACTURER'S GUIDELINES.         4       TYP MOD LINE         5       TOP SET BASE         6       FULL PANEL CLOSE-UP AT MOD-LINES, TYP         7       TEACHING WALL, BLOCKING AS NEEDED PER A7.1         8       ELECTRICAL PANEL - SEE ELECTRICAL SHEETS         9       NOT USED         10       NOT USED         11       NOT USED         12       ASSISTIVE LISTENING SIGH, BY OTHERS, INSTALLED PER DETAIL 17.04.0 SIGN SHALL BE A MAXIMUM OF 70" A.F.F. TO BASELINE OF HIGHEST TEXT.         13       OCCUPANT LOAD SIGN PER DETAIL 11/N4.0 (BY OTHERS)         14       LIGHT SWITCH - SEE ELECTRICAL SHEETS         15       EXIT TACTILE SIGN PER DETAIL 10/N4.0 (NIC)         16       THERMOSTAT, TOP Ø 48" A.F.F SEE MECHANICAL SHEETS         17       FIRE EXTINGUISHER TOP OF HANDLE Ø -448" MAX A.F.F. PROTRUSION MAX 4" FROM WALL IF BOTTOM OF FIRE EXTINGUISHER THAN -27" A.F.F         18       TYP DUPLEX OUTLET - SEE ELECTRICAL SHEETS         19       HVAC VENT, SEE MECHANICAL         20       CASEWORK WISINK PER 17/A1 0B A AND 12/P2 0 - BLKG AS NEEDED PE	<image/> <section-header><section-header><section-header><text><text><text><text><text><text></text></text></text></text></text></text></section-header></section-header></section-header>	HMC Arc 3595001000 Alt CAPITOL AVENUE SACRAMENTO, CA 9981 30308 7990 / WWW.hma SESSE A DESCRIPTION ADENDUM "A" ADENDUM "A"
4"=1'-0" 4 8		MANUFACTURER PROFESSIONAL F RECORD         With Set Darking a strate preliminary and not for construction         Men. 3.31.25         With Set Darking a stret preliminary and not for construction         Intege Drawings are preliminary and not for construction         NEUSIONS         Intege Drawings are preliminary and not for construction         NEUSIONS         Intege Drawings are preliminary and not for construction         NEUSIONS         Intege Drawings are preliminary and not for construction         Intege Drawings are preliminary and prediction         Intege Drawings are preliminary and prediction	FACILITY: HIRSCH ELEMENT 1280 DOVE DR. TRACY, CA 95376
. 12	KEY NOTES	DRAWN BY: LS SCALE: AS NOTED DATE: 02/07/25 PROJECT NO: 1920-24 SHEET TITLE: INTERIOR ELEVATIONS TYPICAL CLASSROOM SHEET NUMBER: A44.0-N	PROJECT: HIRSCH ES - TK C SHEET NAME: INTERIOR ELEVAT DATE: 04/03/24 SHEET:



ELEVATIONS TYPICAL CLASSROOM

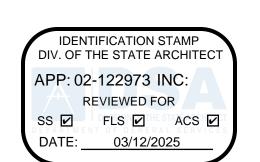
- TK CLASSROOM

MENTARY SCHOOL 95376

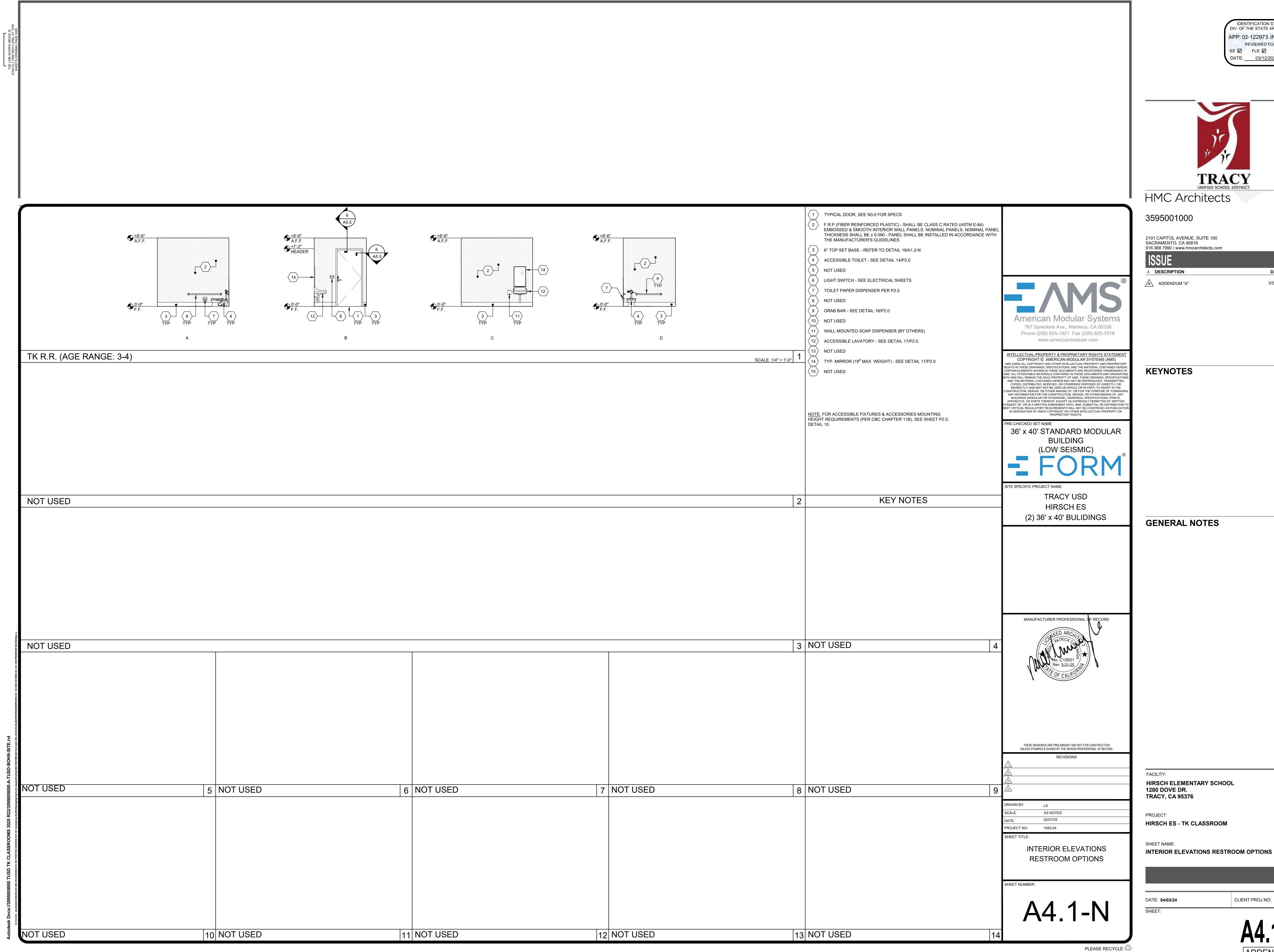
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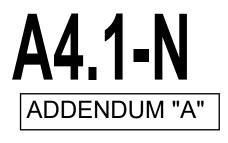
TRACY Architects



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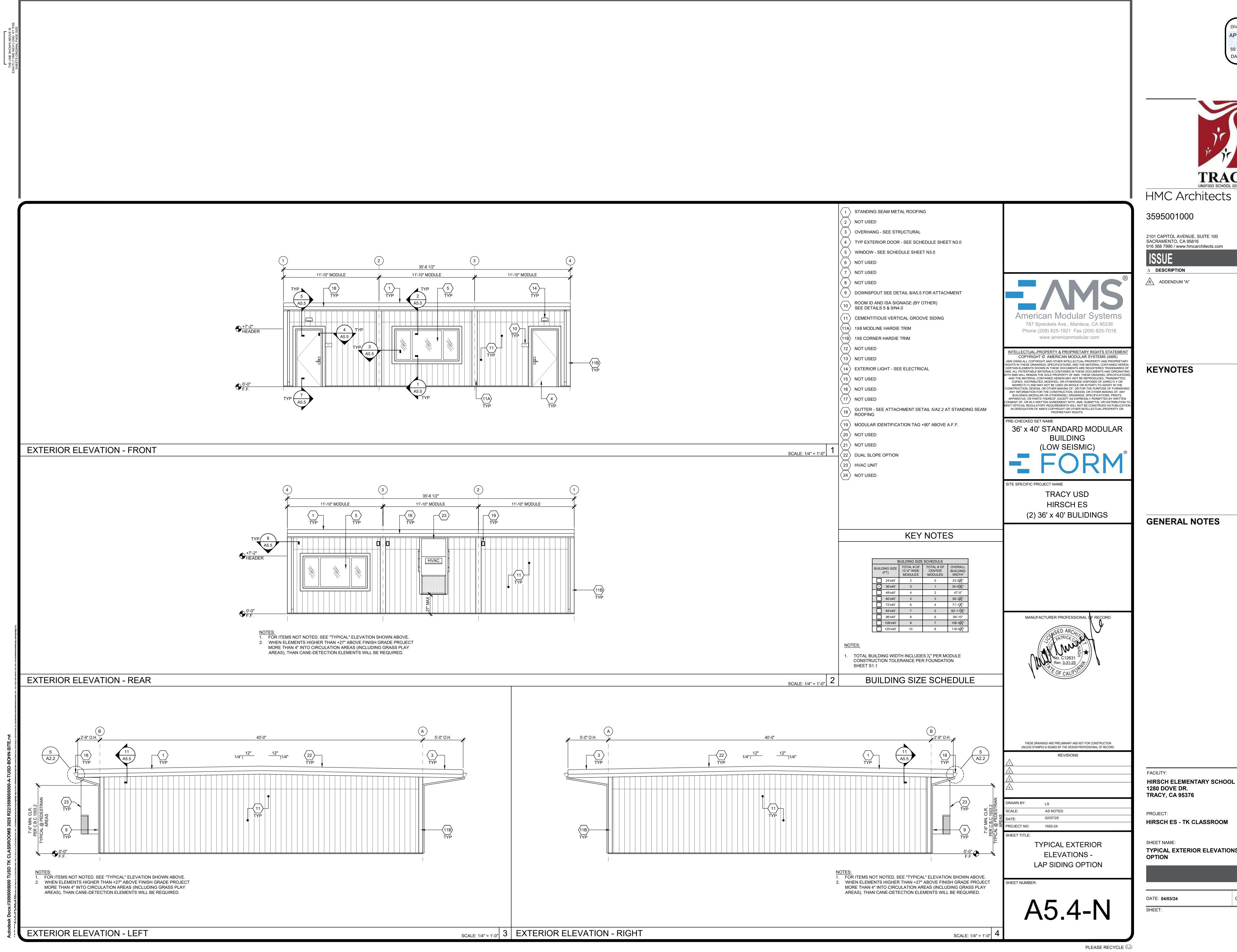
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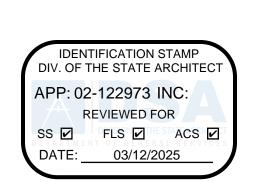


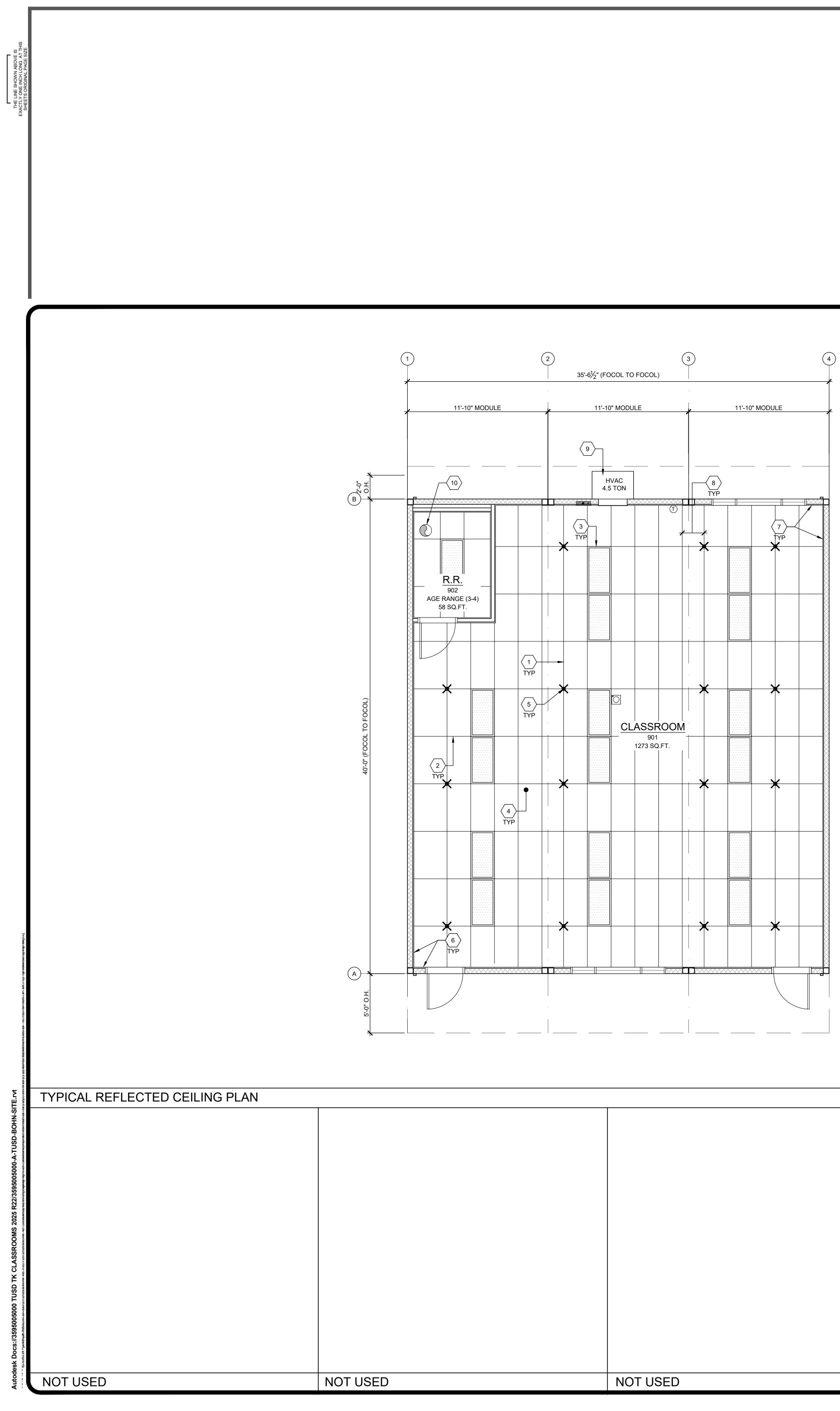
**TYPICAL EXTERIOR ELEVATIONS - LAP SIDING** 

DATE

3/20/25

TRACY NIFIED SCHOOL DISTRIC HMC Architects





	SCALE: 1/4" = 1'-0" 1
	BUILDING SIZE SCHEDULE         BUILDING SIZE         BUILDING SIZE         TOTAL         (FT)         TOTAL         24'x40'         2         36'x40'         3         1         35'-694"         48'x40'         48'x40'         2         96'x40'         84'x40'         7         96'x40'         8         94'-10"         108'x40'         9         108'x40'         9         120'x40'         10         8         10'''         10'''         10''''         10''''         10''''''''''''''''''''''''''''''''''''
NOT USED	BUILDING SIZE SCHEDULE

			TRAC UNIFIED SCHOOL DIS
			HMC Architects
	<ol> <li>MAIN TEE RUNNER TYP. PER TABLE A, SHEET M1.7</li> <li>CROSS TEE RUNNER TYP. PER TABLE A, SHEET M1.7</li> <li>INTERIOR LIGHT FIXTURE, REFER TO SHEET SHEET E1.0 FOR SPEC'S ATTACHMENT PER DETAIL 7/M1.4</li> <li>CEILING HEIGHT @ 9-0" MIN.</li> <li>STRUT/SPLAY WIRE ASSEMBLY, SEE 2/M1.4 FOR DETAILS</li> <li>FIXED CEILING END, SEE DETAIL 5A/M1.4</li> <li>FIXED CEILING END, SEE DETAIL 5B/M1.4</li> <li>CENTER SECTION THAT CROSSES MODULE LINE TO BE FIELD INSTALLED, SEE DETAIL 5C/M1.4</li> <li>TYP. HVAC UNIT</li> <li>EXHAUST FAN - SEE M1.1</li> </ol> WHERE TWO OR MORE HVAC UNITS SERVE A COMMON SPACE, UNITS SHALL BE EQUIPPED WITH A DUCT SMOKE DETECTOR FOR AUTO SHUTDOWN. INTERCONNECT WITH FIRE ALARM SYSTEM. AUTOMATIC SHUT-OFF IS NOT REQUIRED WHEN ALL OCCUPIED ROOMS SERVED BY THE AIR HANDLING EQUIPMENT HAVE DIRECT ACCESS TO THE EXTERIOR AND THE TRAVEL DISTANCE DOES NOT EXCEED 100 FT. PER C.M.C. 608.1 EXCEPTION #2. LIGHT FIXTURES MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-GRID.	Image: Note of the second se	T <section-header><text><text></text></text></section-header>
	<ol> <li>PC TITLE 24 HAS BEEN RUN FOR WORSE CASE OUTDOOR VENTILATION REQUIREMENTS (SEE OUTDOOR VENTILATION ON SHEET N2.0 FOR OUR OUTDOOR VENTILATION DESIGN REQUIREMENT NOTES)</li> <li>ACCEPTANCE TESTS TO BE COMPLETED ON NEWLY INSTALLED OR REPLACEMENT OF MECHANICAL SYSTEMS BEFORE PROJECT COMPLETION PER THE CALIFORNIA ENERGY CODE SECTION 10-103. ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED ACCEPTANCE TEST TECHNICIAN (ATT). THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES CORRECTED UNTIL THE INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA. COMPLETED NRCA FORMS SHALL BE SUBMITTED TO THE PROJECT INSPECTOR AND THE DISTRICT.</li> </ol>	ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OPCOFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS, SUBMITTAL OD DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS. PRE-CHECKED SET NAME <b>36' x 40' STANDARD MODULAR</b> <b>BUILDING</b> (LOW SEISMIC) <b>TEORORY OF CONSTRUED AS PUBLICATION</b> (LOW SEISMIC) SITE SPECIFIC PROJECT NAME TRACY USD HIRSCH ES (2) 36' x 40' BULIDINGS	GENERAL NOTES
1/4" = 1'-0" 1	<ul> <li>MEP COMPONENT ANCHORAGE NOTES</li> <li>ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTER 13, 26 AND 30.</li> <li>ALL PERMANENT EQUIPMENT AND COMPONENTS.</li> <li>TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR110/220 VOLT RECEPTACLES HAVING A FLEXBLE CABLE.</li> <li>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.</li> <li>THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCE NOTED ABOVE. THESE COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCE NOTED ABOVE. THESE COMPONENTS SHALL BEY FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THA 200 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR MOPONENT.</li> <li>COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR THE COMPONENT.</li> <li>COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.</li> <li>THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN G</li></ul>	TESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION	
	PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTES         PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.         THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A 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⊠ MD⊠ PP⊠ E⊠ OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.         MP[ MD] PP[] E[] OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) #	REVISIONS         Image:	FACILITY: HIRSCH ELEMENTARY SCHOOL 1280 DOVE DR. TRACY, CA 95376 PROJECT: HIRSCH ES - TK CLASSROOM SHEET NAME: TYPICAL REFLECTED CEILING PI
		M1.0-N	DATE: <b>04/03/24</b> C SHEET:
	MEP COMPONENT ANCHORAGE NOTES		

PLEASE REUTULE 6



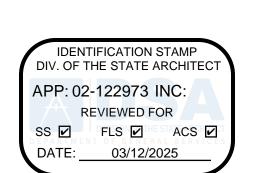
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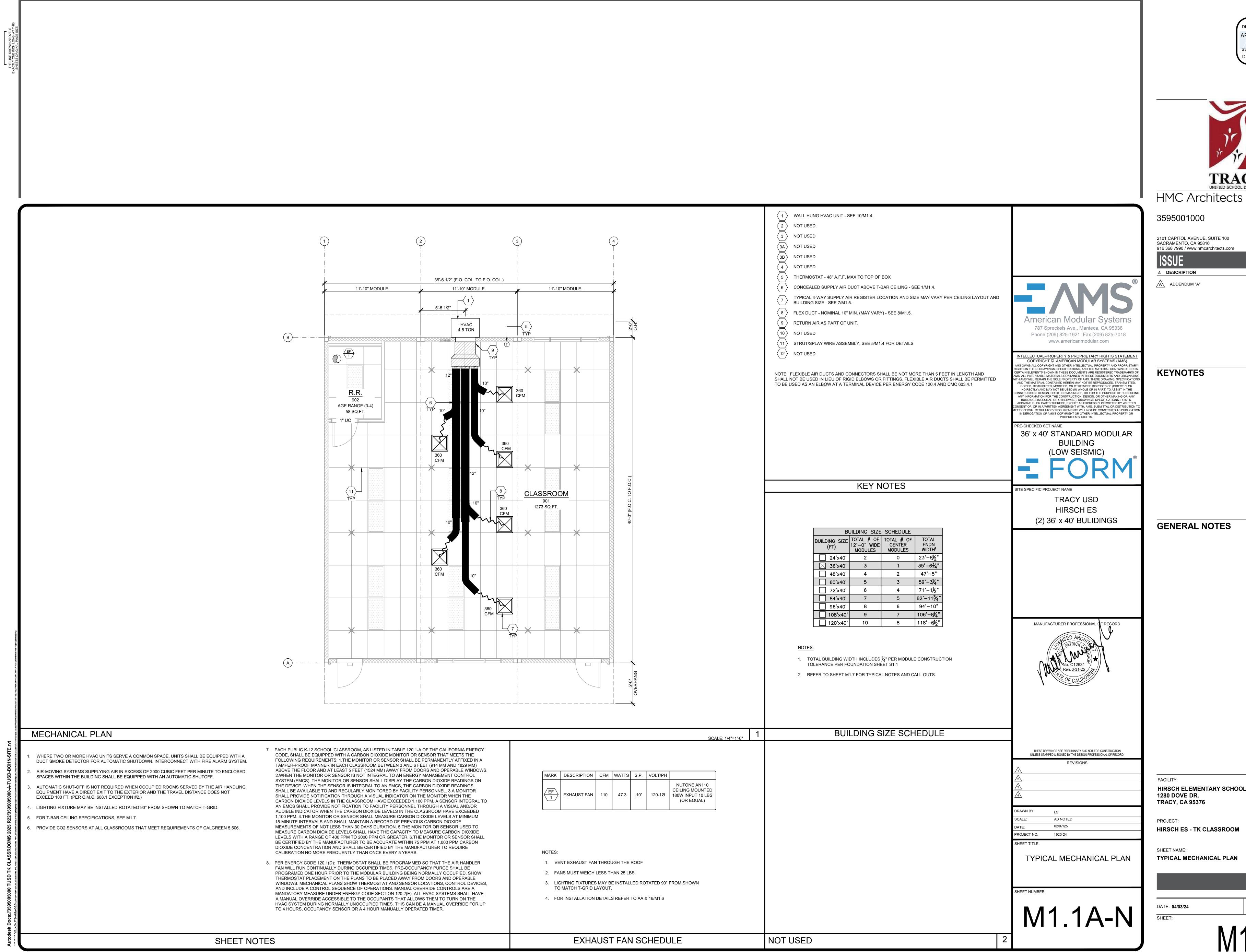
FLECTED CEILING PLAN

"A"

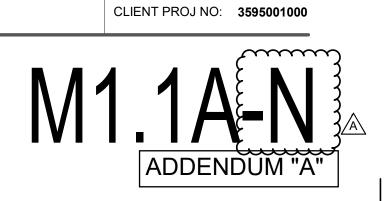
TRACY Architects 000 VENUE, SUITE 100 CA 95816 ww.hmcarchitects.com

DATE





PLEASE RECYCLE 6



HIRSCH ES - TK CLASSROOM

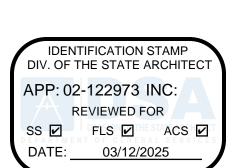
TYPICAL MECHANICAL PLAN

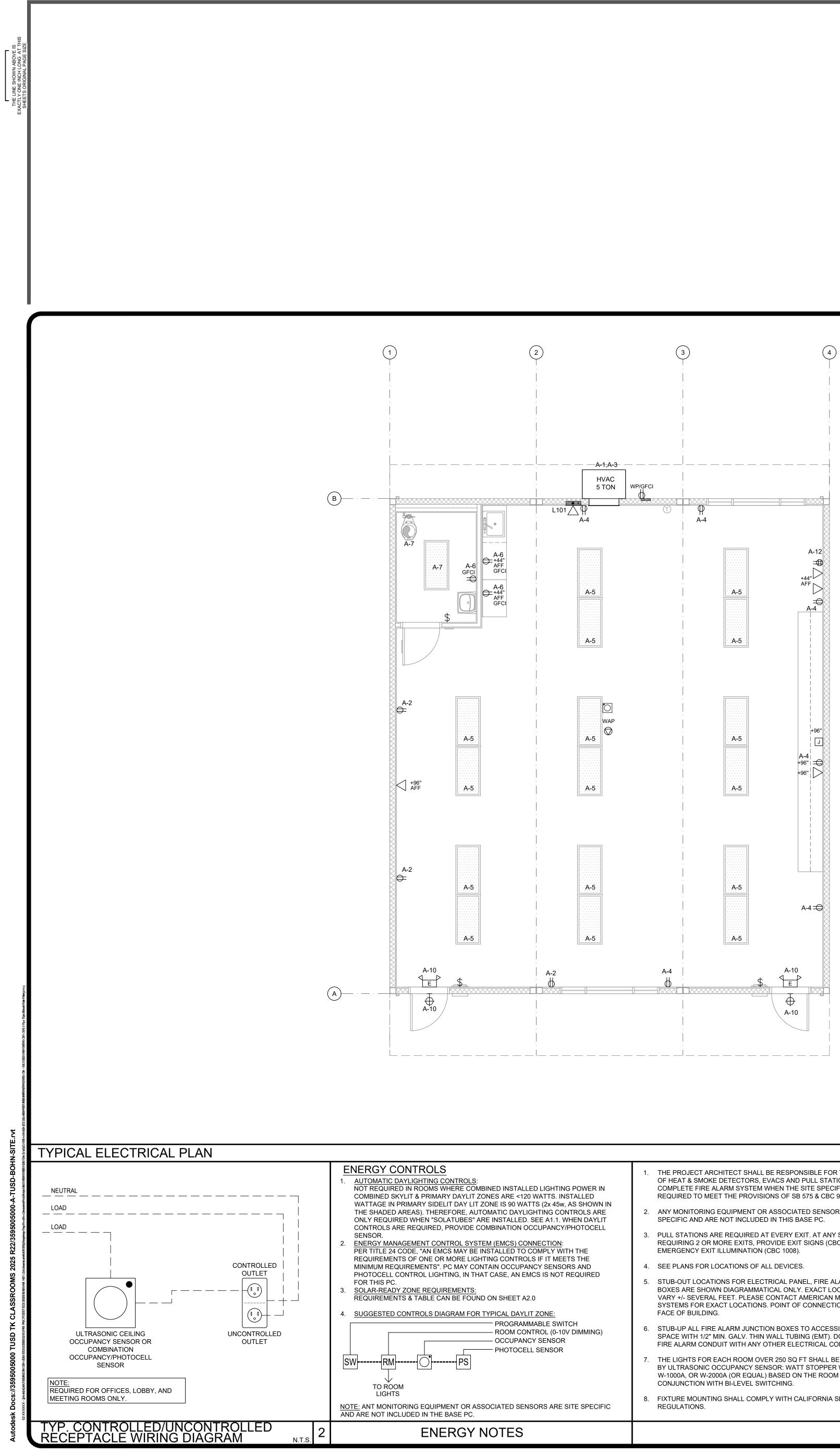
HIRSCH ELEMENTARY SCHOOL

916 368 7990 / www.hmcarchitects.com

DATE 3/20/25

TRACY





	GENER	AL NOTES
ARE SITE SPECIFIC	8. FIXTURE MOUNTING SHALL COMPLY WITH CALIFORNIA SEISMIC REGULATIONS.	DSA (BY OTHERS).
ISOR	<ol> <li>THE LIGHTS FOR EACH ROOM OVER 250 SQ FT SHALL BE CONTROLLED BY ULTRASONIC OCCUPANCY SENSOR: WATT STOPPER W-500A, W-1000A, OR W-2000A (OR EQUAL) BASED ON THE ROOM SIZE, IN CONJUNCTION WITH BI-LEVEL SWITCHING.</li> </ol>	<ul> <li>RECEIVING AND AUTOMATICALLY RESPONDING TO AT LEAST ONE STANDARD-BASED MESSAGING PROTOCOL WHICH ENABLES DEMAND RESPONSE AFTER RECEIVING A DEMAND SIGNAL.</li> <li>4. SITE-SPECIFIC PROJECTS WHICH REQUIRE DEMAND RESPONSE CONTROLS MUST INCLUDE THE SUBMITTAL OF FORM NRCC-ELC-01-E TO</li> </ul>
E SWITCH . (0-10V DIMMING) NSOR	<ol> <li>STUB-UP ALL FIRE ALARM JUNCTION BOXES TO ACCESSIBLE ATTIC SPACE WITH 1/2" MIN. GALV. THIN WALL TUBING (EMT). DO NOT CONNECT FIRE ALARM CONDUIT WITH ANY OTHER ELECTRICAL CONDUIT.</li> </ol>	<ol> <li>DEMAND RESPONSE CONTROLS, WHERE REQUIRED, ARE TO BE PROVIDED BY OTHERS.</li> <li>DEMAND RESPONSE CONTROLS AND EQUIPMENT SHALL BE CAPABLE OF</li> </ol>
I <u>E:</u>	<ol> <li>STUB-OUT LOCATIONS FOR ELECTRICAL PANEL, FIRE ALARM, AND DATA BOXES ARE SHOWN DIAGRAMMATICAL ONLY. EXACT LOCATIONS MAY VARY +/- SEVERAL FEET. PLEASE CONTACT AMERICAN MODULAR SYSTEMS FOR EXACT LOCATIONS. POINT OF CONNECTION WILL BE AT FACE OF BUILDING.</li> </ol>	<ul> <li><u>DEMAND RESPONSE CONTROLS</u></li> <li>1. DEMAND RESPONSE CONTROLS ARE REQUIRED IN BUILDINGS LARGER THAN 10,000 S.F.</li> </ul>
GHTING POWER IN TS. INSTALLED x 45w, AS SHOWN IN IG CONTROLS ARE A1.1. WHEN DAYLIT ANCY/PHOTOCELL <u>TION</u> : LY WITH THE T MEETS THE SENSORS AND S NOT REQUIRED	<ol> <li>THE PROJECT ARCHITECT SHALL BE RESPONSIBLE FOR THE PLACEMENT OF HEAT &amp; SMOKE DETECTORS, EVACS AND PULL STATIONS, AND COMPLETE FIRE ALARM SYSTEM WHEN THE SITE SPECIFIC PROJECT IS REQUIRED TO MEET THE PROVISIONS OF SB 575 &amp; CBC 907.2.3.</li> <li>ANY MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE SPECIFIC AND ARE NOT INCLUDED IN THIS BASE PC.</li> <li>PULL STATIONS ARE REQUIRED AT EVERY EXIT. AT ANY SPACE REQUIRING 2 OR MORE EXITS, PROVIDE EXIT SIGNS (CBC 1013) AND EMERGENCY EXIT ILLUMINATION (CBC 1008).</li> <li>SEE PLANS FOR LOCATIONS OF ALL DEVICES.</li> </ol>	<ol> <li>LIGHTING FIXTURES MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-BAR GRID LAYOUT.</li> <li>ACCEPTANCE TESTS SHALL BE COMPLETED ON NEWLY INSTALLED OR REPLACEMENT OF LIGHTING CONTROLS BEFORE PROJECT COMPLETION PER THE CALIFORNIA ENERGY CODE SECTION 10-103. ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED ACCEPTANCE TEST TECHNICIAN (ATT). THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES CORRECTED UNTIL THE INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA. COMPLETED NRCA FORMS SHALL BE SUBMITTED TO THE PROJECT INSPECTOR AND THE DISTRICT.</li> </ol>

### SCALE: 1/4" = 1

- ON OF
- TO

				HMC Arc
		ELECTRICAL PANEL - MOUNT FLUSH WITH WALL FINISH, U.O.N.		3595001000
	₽	EXTERIOR LIGHT FIXTURE @ EACH DOOR, LED OR EQUAL (MAX 40W) - <del>WHERE THERE ARE TWO OR MORE EXITS,</del> A MINIMUM 90 MIN. BATTERY BACK-UP IS REQUIRED		2101 CAPITOL AVENUE, SACRAMENTO, CA 9581 916 368 7990 / www.hmc
	ф	UNCONTROLLED-DUPLEX WALL CONVENIENCE OUTLET -		
	⊕	MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N. FOURPLEX WALL OUTLET - MOUNT @ +18" A.F.F. TO CENTER LINE - U.O.N.		A ADDENDUM "A"
		WEATHER-PROOF GROUND FAULT CIRCUIT INTERRUPT OUTLET - MOUNT @ 18" A.F.F. TO CENTERLINE - U.O.N.		
	(T) L	THERMOSTAT - TOP OF BOX MOUNTED @ +48" A.F.F. ELECTRICAL CROSSOVER - J-BOX - ABOVE CEILING - #1- 4"x1", #22- 4"x2"	American Modular Systems 787 Spreckels Ave., Manteca, CA 95336 Phone (209) 825-1921 Fax (209) 825-7018 www.americanmodular.com	
	$\bigtriangledown$	DATA/COMMUNICATION - OUTLET ONLY - 4" SQ BOX WITH SINGLE DEVICE RING AND COVER - MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N., AND PROVIDE A 3/4" CONDUIT STUBBED ABOVE CEILING - DEVICE BY OTHERS	INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS) AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF	KEVNOTES
	\$	CONTROLLED-SINGLE POLE LIGHT SWITCHES - MOUNT @ +48" A.F.F. MAX TO TOP OF BOX - HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE.	AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS,	KEYNOTES
	Õ	ULTRASONIC OCCUPANCY SENSOR - MOUNTED TO FINISH CEILING (PROVIDE WITH COMBINATION PHOTOCELL SENSOR WHEN DAYLIT CONTROLS ARE REQUIRED)	APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PROPRIETARY RIGHTS. PRE-CHECKED SET NAME	
		2'x4' LED EDGE FIT FIXTURE, MODEL: LSI, SFP24 5601K LUMENS - 45 WATTS MAX OR EQUAL	36' x 40' STANDARD MODULAR BUILDING	
		24 HOUR EMERGENCY LIGHTING WITH MINIMUM 90-MINUTE BATTERY BACK-UP - WHERE TWO OR MORE EXITS ARE REQUIRED		
	E	EMERGENCY EXIT LIGHT, - WHERE THERE ARE TWO OR MORE EXITS, AN EXIT SIGN WITH INTEGRAL EMERGENCY LIGHTING W/MINIMUM 90-MINUTE BATTERY BACK-UP IS REQUIRED.	SITE SPECIFIC PROJECT NAME TRACY USD	
			HIRSCH ES (2) 36' x 40' BULIDINGS	
				GENERAL N
			MANUFACTURER PROFESSIONAL OF RECORD	
1' - 0" <b>1</b>			THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD. REVISIONS	
			$     \frac{1}{2} $ $     \frac{3}{4} $	FACILITY: HIRSCH ELEMEN 1280 DOVE DR.
			DRAWN BY: LS SCALE: AS NOTED	TRACY, CA 95376
			DATE:         02/07/25           PROJECT NO:         1920-24	PROJECT: HIRSCH ES - TK C
			SHEET TITLE: TYPICAL ELECTRICAL PLAN	SHEET NAME: <b>TYPICAL ELECTRI</b>
			SHEET NUMBER:	
			E1.0-N	DATE: <b>04/03/24</b> SHEET:
		ELECTRICAL SYMBOLS		
			PLEASE RECYCLE	



3/20/25

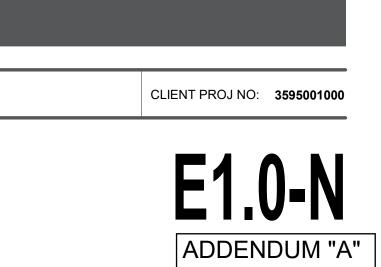
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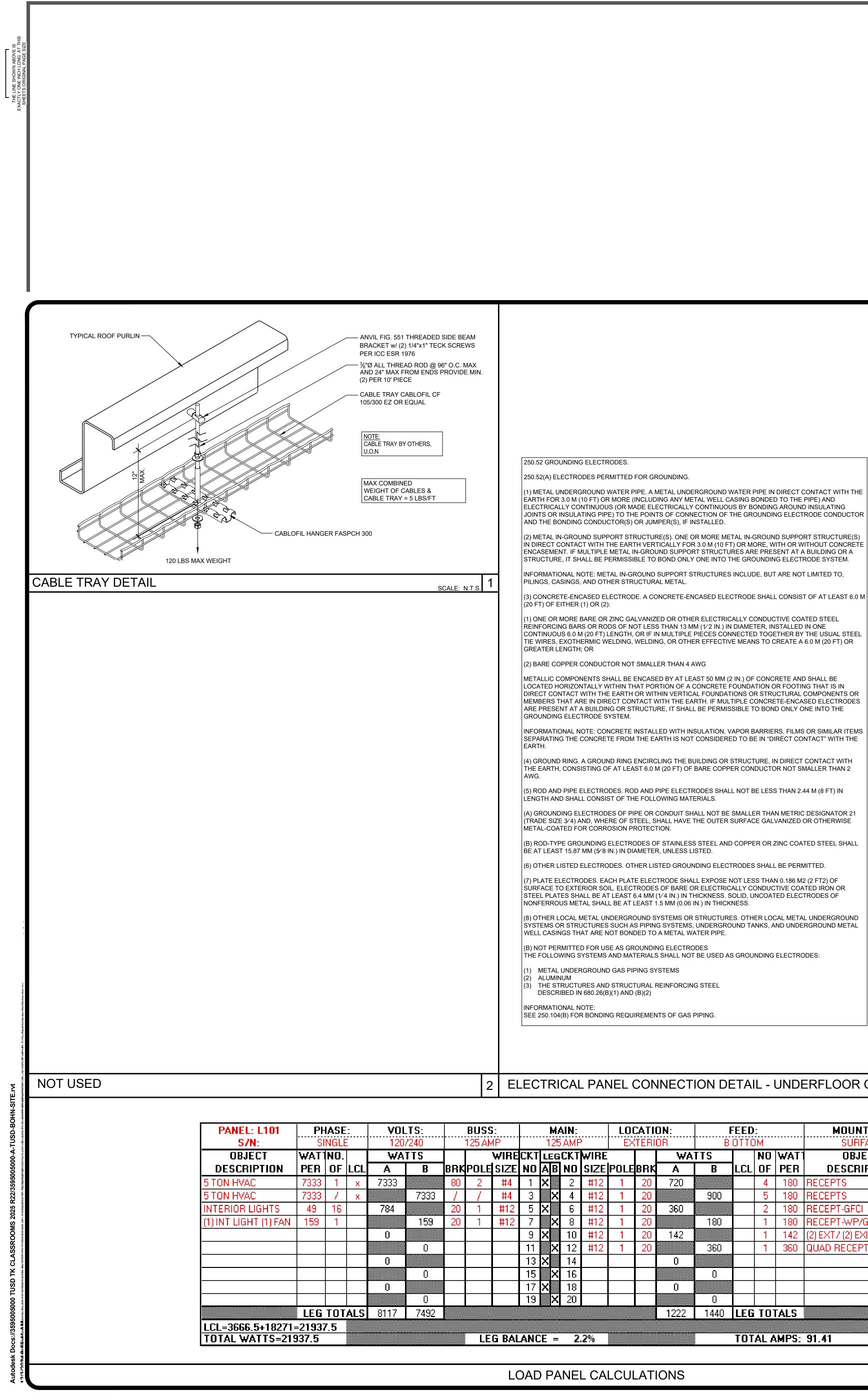
AL NOTES

MENTARY SCHOOL 5376

- TK CLASSROOM

LECTRICAL PLAN





M	AIN:		LO(	CATI	DN:	F	EED	-		MOUNTING:
12	5 AMF	)	ΕX	TERI	OR	В	OTTO	)M		SURFACE
LE	≩CKT	WIRE			WA	TTS		NO	WAT1	OBJECT
AE	NO	SIZE	POLE	BRK	Α	B	LCL	OF	PER	DESCRIPTION
X	2	#12	1	20	720			4	180	RECEPTS
<b>8</b> }	4	#12	1	20		900		5	180	RECEPTS
X	6	#12	1	20	360			2	180	RECEPT-GFCI
<b>8</b>	: 8	#12	1	20		180		1	180	RECEPT-WP/GFCI
X	10	#12	1	20	142			1	142	(2) EXT7 (2) EXIT LIGHTS
	: 12	#12	1	20		360		1	360	QUAD RECEPT
X	14				0					
<b>      </b>	: 16					0				
X	18				0					
<b>}</b>	20					0				
					1222	1440	LEG	<b>TO</b> ]	<b>FALS</b>	
CE =	- 2	.2%					TOT	AL A	MPS:	91.41

### NOTE: FIRE ALARM DEDICATED CIRCUIT SHALL BE IDENTIFIED WITH A RED MARKED DISCONNECT WITH LOCK-ON CAPABILITY (NFPA 72 10.6.5.2)

ICAL PA	NEL CONNECT	ION DETAIL - UNDE	ERFLOOR OPTION
AIN:	LOCATION:	FEED:	MOUNTING:
	EVIEDIOD	DOTTON	CUDEACE

UND RING. A GROUND RING ENCIRCLING THE BUILDING OR STRUCTURE, IN DIRECT CONTACT WITH RTH, CONSISTING OF AT LEAST 6.0 M (20 FT) OF BARE COPPER CONDUCTOR NOT SMALLER THAN 2
AND PIPE ELECTRODES. ROD AND PIPE ELECTRODES SHALL NOT BE LESS THAN 2.44 M (8 FT) IN AND SHALL CONSIST OF THE FOLLOWING MATERIALS.
UNDING ELECTRODES OF PIPE OR CONDUIT SHALL NOT BE SMALLER THAN METRIC DESIGNATOR 21 SIZE 3⁄4) AND, WHERE OF STEEL, SHALL HAVE THE OUTER SURFACE GALVANIZED OR OTHERWISE COATED FOR CORROSION PROTECTION.
-TYPE GROUNDING ELECTRODES OF STAINLESS STEEL AND COPPER OR ZINC COATED STEEL SHALL EAST 15.87 MM (5⁄8 IN.) IN DIAMETER, UNLESS LISTED.
ER LISTED ELECTRODES. OTHER LISTED GROUNDING ELECTRODES SHALL BE PERMITTED.
E ELECTRODES. EACH PLATE ELECTRODE SHALL EXPOSE NOT LESS THAN 0.186 M2 (2 FT2) OF E TO EXTERIOR SOIL. ELECTRODES OF BARE OR ELECTRICALLY CONDUCTIVE COATED IRON OR PLATES SHALL BE AT LEAST 6.4 MM (1/4 IN.) IN THICKNESS. SOLID, UNCOATED ELECTRODES OF ROUS METAL SHALL BE AT LEAST 1.5 MM (0.06 IN.) IN THICKNESS.
ER LOCAL METAL UNDERGROUND SYSTEMS OR STRUCTURES. OTHER LOCAL METAL UNDERGROUND IS OR STRUCTURES SUCH AS PIPING SYSTEMS, UNDERGROUND TANKS, AND UNDERGROUND METAL ASINGS THAT ARE NOT BONDED TO A METAL WATER PIPE.
PERMITTED FOR USE AS GROUNDING ELECTRODES LOWING SYSTEMS AND MATERIALS SHALL NOT BE USED AS GROUNDING ELECTRODES:
TAL UNDERGROUND GAS PIPING SYSTEMS JMINUM
E STRUCTURES AND STRUCTURAL REINFORCING STEEL SCRIBED IN 680.26(B)(1) AND (B)(2)
ATIONAL NOTE: .104(B) FOR BONDING REQUIREMENTS OF GAS PIPING.

ALL WIRING BY OTHERS F.F. FRAME ALL CONDUITS BEYOND -TTTO THIS POINT BY OTHERS C.E.C.

1. SIZE OF CONDUCTORS SHALL COMPLY w/CEC.A

LEAST 10' INTO THE SOIL IF AVAILABLE (CEC).

INSPECTOR TO WITNESS GROUNDING TEST.

2. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO

ELECTRICAL PANEL & METAL BUILDING FRAME (CEC).

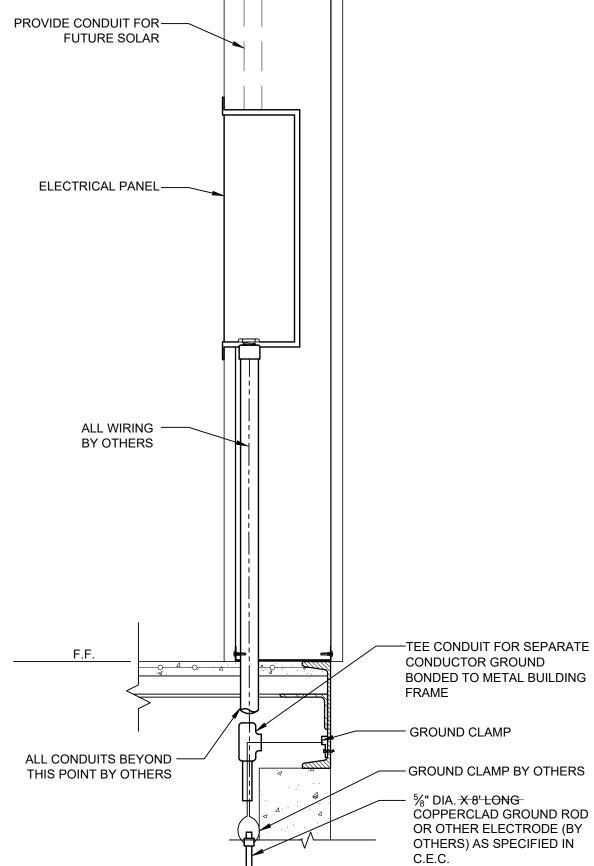
IN ADDITION TO THE DETAIL SHOWN ABOVE, BOND THE

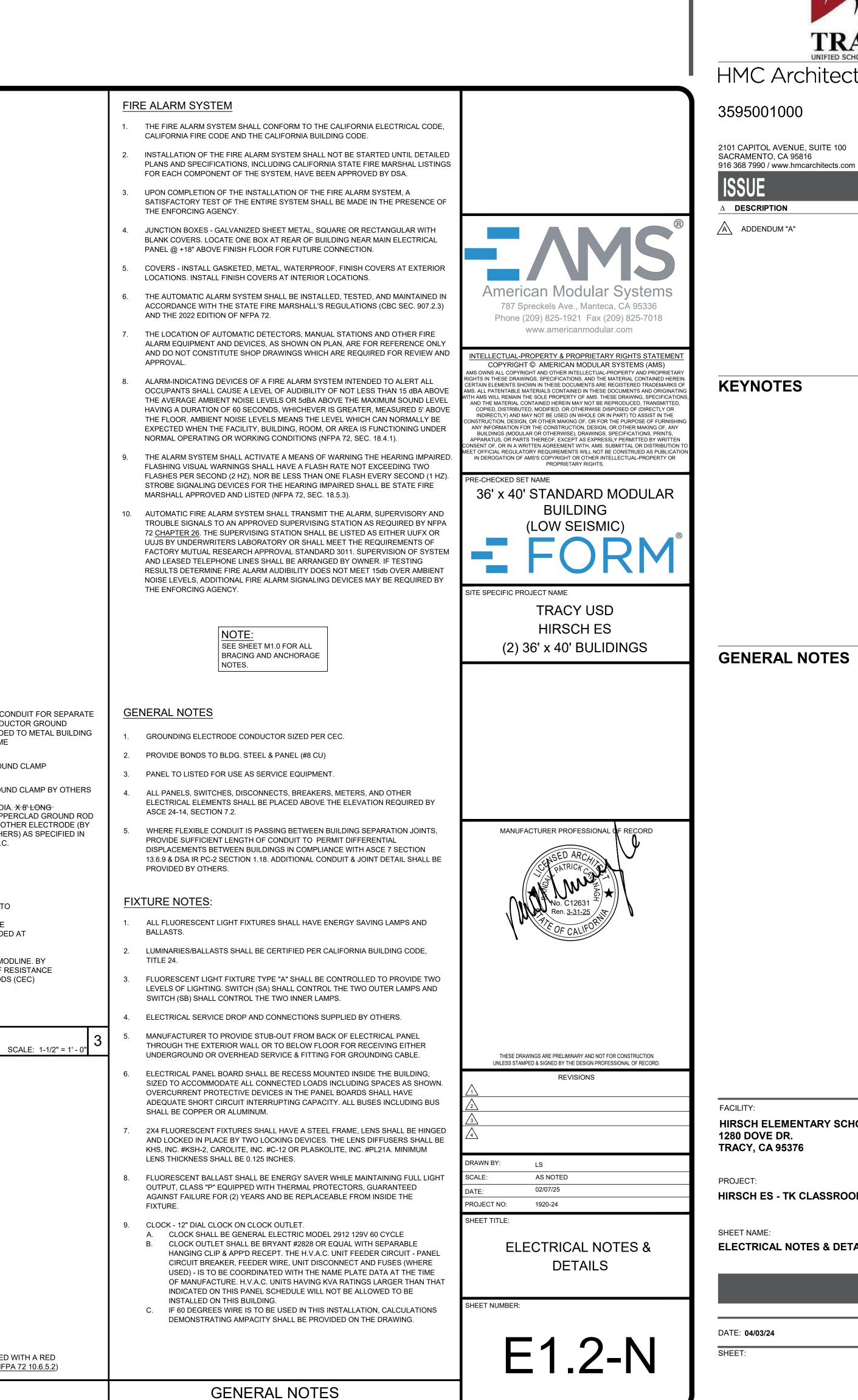
AS REQUIRED. GROUNDING DETAIL PER DSA IR E-1.

ELECTRICAL GROUND TO METAL WATER PIPE EMBEDDED AT

3. ELECTRICAL BOND MODULES TOGETHER W/#8 CU @ MODLINE. BY

MANUFACTURER. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS (CEC)





PLEASE RECYCLE (4)



IDENTIFICATION STAMP

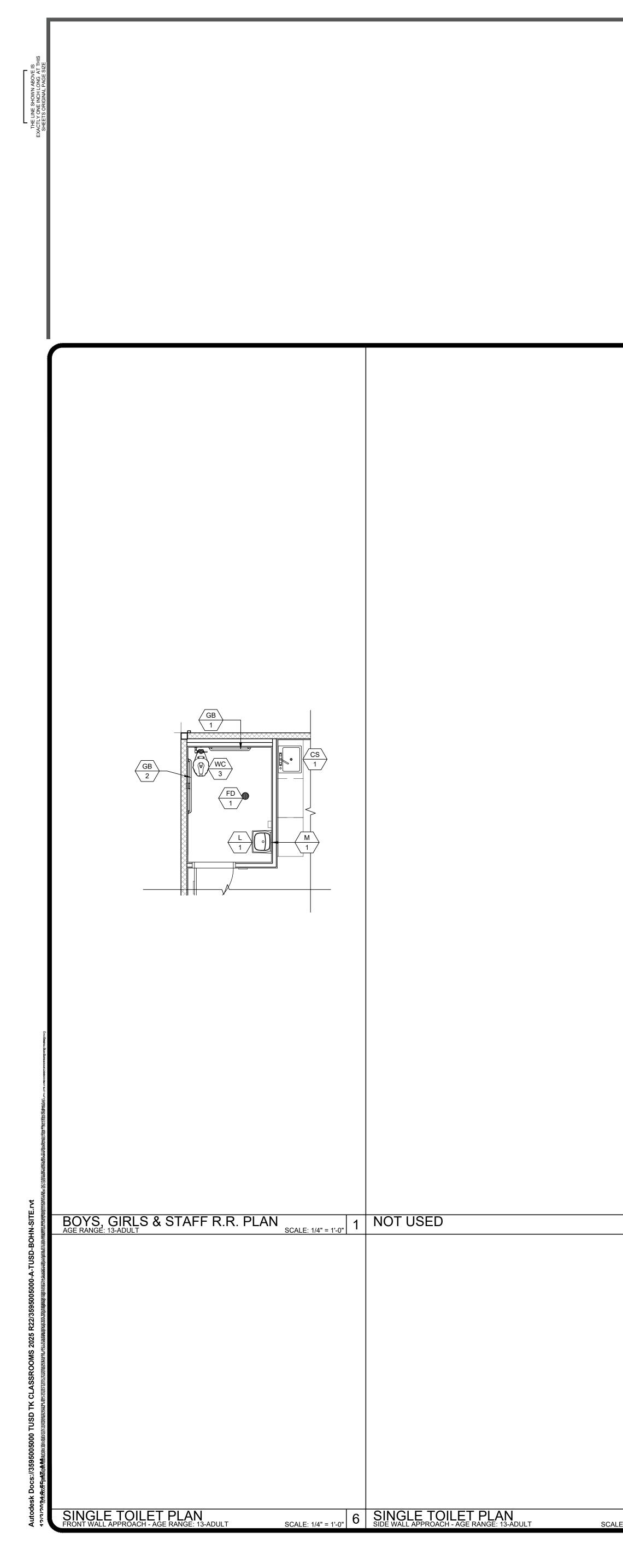
3/20/25

HIRSCH ELEMENTARY SCHOOL

HIRSCH ES - TK CLASSROOM

**ELECTRICAL NOTES & DETAILS** 

CLIENT PROJ NO: 359500100 E1.2-N ADDENDUM "A"



	MARI	FIXTURE <sup>1</sup>	TYPE AT KINDERGARTE (AGES 3-4)	N TYPE AT ELEMENTARY (AGES 5-8)	TYPE AT MIDDLE SCHOOL (AGES 9-12)
	WC 1 ACC	WALL MOUNT WATER CLOSET	CANNOT USE	CANNOT USE	KOHLER 'KINGSTON' MODEL K-4325       KOHLER 'KINGSTON' MODEL K-4325       KOHLER'KINGSTON' MODEL K-4325         OR EQUAL. LOWEST AT 15"       KOHLER'KINGSTON' MODEL K-4325       KOHLER'KINGSTON' MODEL K-4325         HIGHEST AT 17" A.F.F. TO TOP OF       1         SEAT W/BEMIS 1955SSCT TOHLET       KOHLER'KINGSTON' MODEL K-4325         SEAT OR EQUAL       KOHLER'KINGSTON' MODEL K-4325
		FLOOR MOUNT TANK TYPE	AMERICAN STANDARD 4019 828 w/BEMIS 1955SSCT OR EQUAL TOILET SET	AMERICAN STANDARD 4019 828 w/2L 2050T SEAT (2" THICK) #3128.001 FOR BOWL #4019.228 LEFT TANK	KOHLER 'WELLWORTH' MODEL K-3998 OR EQUALW/BEMIS 1955SSCT OR EQUAL TOILET SEAT
	WC 3 ACC	FLOOR MOUNT FLUSH VALVE	KOHLER 'PRIMARY' MODEL K-96064 OR EQUAL. w/BEMIS 1955SSCT TOILET SEAT OR EQUAL	#4019.828 RIGHT TANK KOHL <del>ER 'PRIMARY'</del> MODEL K-96064 OR EQUAL w/2L205T	FLOOR MOUNT FLUSH VALVE TYPE KOHLER 'WELLCOMME ULTRA' & MODEL <del>K-96053 OR EQUAL W</del> /BEMIS 1955SSCT OR EQUAL TOILET SEAT
		BOYS/GIRLS LAVATORY	KOHLER 'KINGSTON' MODEL K-2007-0		
	$\begin{pmatrix} L \\ 2 \end{pmatrix}$	ADULT LAVATORY	KOHLER 'KINGSTON' MODEL K-2005-0		
			WALL MOUNT TYPE KOHLER MODEL DEXTER K-5452-ET-0 OR EQUAL FLOW RATE = 0.125 gpf		
			WALL MOUNT TYPE BOBRICK MODEL B165 18X30 OR EQUAL		
	GB 1 GB 2	36" GRAB BARS 48" GRAB BARS	WALL MOUNT TYPE MOEN MODEL 8736 & 8748 (1 1/4" CONCEALED SCREW 36"& 48") OR EQUAL		
	WH 1	WATER HEATER	HEATER MODEL PROE20-1-RH-POU 240 VOLT SINGLE PHASE		
		WATER HEATER	CHRONOMITE INSTANT-TEMP WATER HEATER MODEL M20L/240 INSTANT SINGLE PHASE 104° FLORESTONE FLOOR SINK		
	FS 1 /ULS	UTILITY SINK	MOLDED MOP RECEPTORS MODEL MSR-2424 W/ 3" DRAIN OR EQUAL WALL MOUNT TYPE FLORESTONE FM		
	T T FD	FLOOR DRAIN	OR EQUAL WOOD FLOOR DRAIN SIOUIX CHIEF MODEL		
		FLOOR DRAIN	MODEL 822-2DNRV OR EQUAL <u>CONCRETE FLOOR DRAIN</u> ZURN MODEL P415-CC W/		
		CLASSROOM SINK			
			25"x21-1/4" SINGLE BOWL SINK OR EQUAL ELKAY		
	DF 1	FOUNTAIN	MODEL EDFP217C WALL MOUNT WATER FOUNTAIN	N	
		HOSE BIBB	STANDARD HO <del>SE BIBB</del> ARROWHEAD <del>MODEL 35</del> 3LKLF OR EQUAL		
	2. FO 3. NO 4. TH	. WATER FIXTURES M R OPTIONAL ACCESSI T ALL ITEMS LISTED M ERE SHOULD BE NO S		ET, SEE PLUMBING SCHEDULE MARK \ JNDER LAVS OR SINKS.	5.303.3 "WATER CONSERVING PLUMBING WC/3 (NOT SHOWN ON PLAN).
2	J. KE	ER TO DETAIL 10/F2.			XTURE SCHEDULE
				A = PLUMBING FI	XTURE I.D SEE SCHEDULE ABOVE
				SYMBC	DLS LEGEND
			S F N U L F I N N I I I I F I I I I I I I I I I I	SHALL HAVE R7.7 ON HOT AND COLD L HEATER (TANK TYPE AND INSTANT). SE FROM THE WATER HEATER TO THE FIX MINIMUM WALL THICKNESS OF NOT LE JP TO 2 INCHES (50 MM) IN DIAMETER. LESS THAN 2 INCHES (51 MM) FOR A PI PER PLUMBING CODE 609.12 UPDATE F NSULATED FROM THE WATER HEATEF MINIMUM WALL THICKNESS OF NOT LE NSTANTANEOUS WATER HEATERS WI ALL INSTANTANEOUS ARE OVER 4KW) NCOMING COLD WATER SUPPLY AND	D.3 FOR PIPE INSULATION. ALL WATER HE INES FOR THE FIRST 8 FEET FROM WATE ECTION 609.12 REQUIRES HOT WATER PIR (TURE (CONTROL VALVE) BE INSULATED SS THAN THE DIAMETER OF THE PIPE FO INSULATION WALL THICKNESS SHALL BE PE OF 2 INCHES (50 MM) OR MORE IN DIA PLANS TO SHOW HOW THE HOT WATER F TO THE FIXTURE (CONTROL VALVE) TO SS THAN THE DIAMETER OF THE PIPE. TH AN INPUT GREATER THAN 6.8 KBTU/H SHALL HAVE ISOLATION VALVES ON BO THE HOT WATER PIPE LEAVING THE WAT OF THE HEAT EXCHANGER AND HELP PR
F. 1/41 - 41 01 7	CLASSROOM SINK PL	AN	8	E U E OF THE WATER REATERS PE	GE
E: 1/4" = 1'-0"			SCALE: 1/4" = 1'-0"		

						TRA
						HMC Architects
	T HIGH SCHOOL ES 13-ADULT)	REMARKS				3595001000
-4325 KOHLER 'KING OR EQUAL. LO 'OF 19" HIGHEST	GSTON' MODEL K-4325 OWEST AT 17" A.F.F. TO TOP OF SEAT SSSCT TOILET SEAT	FLUSH VALVE ZURN MODEL Z6000AV-HET - 1.28 G.P.F OR EQUAL. LOCATE AS SPECIFIED ON FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 10/P2.0.				2101 CAPITOL AVENUE, SUITE 100 SACRAMENTO, CA 95816 916 368 7990 / www.hmcarchitects.com
KOHLER 'WE MODEL K-399 SEAT OR EQUAL W OR EQUAL TO	99 /BEMIS 1955SSCT	WC/2 FIXTURE MAX FLOW RATE OF 1.28 G.P.F - LOCATE AS SPECIFIED ON FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 10/P2.0			®	
JLTRA' KOHLER 'HIGI 3EMIS MODEL K-960	IT FLUSH VALVE TYPE ICLIFF ULTRA' 57 OR EQUAL w/BEMIS EQUAL TOILET SEAT	FLUSH VALVE ZURN MODEL Z6000AV-HET - 1.28 G.P.F OR EQUAL. LOCATE AS SPECIFIED ON FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 10/P2.0.			<b>1S</b> <sup>®</sup>	ADDENDUM "A"
I		BOY/GIRL RESTROOM - ZURN MODEL Z86100-XL-3M - COLD WATER ONLY - SINGLE SPOUT MOUNT AS SPECIFIED IN FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 10/P2.0 - FLOW RATE OF 0.5 G.P.M. METER FAUCETS SHALL REMAIN OPEN FOR 10 SECONDS MIN.		American Modula 787 Spreckels Ave., Mante Phone (209) 825-1921 Fax www.americanmodu	eca, CA 95336 (209) 825-7018	
		ADULT RESTROOM - ZURN MODEL Z7440-XL-FC HOT/COLD WATER - 4" ON CENTER HOLE. MOUNT AS SPECIFIED IN FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 10/P2.0 - FLOW RATE OF 0.5 G.P.M.		INTELLECTUAL-PROPERTY & PROPRIETA COPYRIGHT © AMERICAN MODULA AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THI CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESS WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. TI AND THE MATERIAL CONTAINED HEREIN MAY NOT BE COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE I	AR SYSTEMS (AMS) L-PROPERTY AND PROPRIETARY IE MATERIAL CONTAINED HEREIN. IE REGISTERED TRADEMARKS OF E DOCUMENTS AND ORIGINATING HESE DRAWING, SPECIFICATIONS, REPRODUCED, TRANSMITTED,	KEYNOTES
		FLUSH VALVE ZURN MODEL Z6003-AV (0.125gpf) OR EQUAL. MOUNT AS SPECIFIED IN FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 10/P2.0		INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FO ANY INFORMATION FOR THE CONSTRUCTION, DESIGN BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRE CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT IN DEROGATION OF AMS'S COPYRIGHT OR OTHER IN	R IN PART) TO ASSIST IN THE DR THE PURPOSE OF FURNISHING N, OR OTHER MAKING OF, ANY S, SPECIFICATIONS, PRINTS, ESSLY PERMITTED BY WRITTEN . SUBMITTAL OR DISTRIBUTION TO TBE CONSTRUED AS PUBLICATION	
		MOUNT AS SPECIFIED IN FLOOR PLANS. MOUNT ACCESSIBLE MIRROR PER SCHEDULE 10/P2.0		PRE-CHECKED SET NAME 36' x 40' STANDARD BUILDING	MODULAR	
		18 GA. 304 STAINLESS STEEL SATIN FINISH MOUNT AS SPECIFIED IN FLOOR PLANS AND PER SCHEDULE 10/P2.0. (STRUCTURAL STRENGTH OF GRAB BARS 250# MIN.)			IIC)	
		AVAILABLE IN 6, 10, 20 AND 30 GALLON MODELS (MAX WATER HEATER WEIGHT) PER 6/M1.4 OR 1/P2.0		SITE SPECIFIC PROJECT NAME	D	
		CHRONOMITE MODEL M20L/208 OR EQUAL SEE DETAIL 7/P2.0		HIRSCH E (2) 36' x 40' BULI		GENERAL NOTES
		ZURN 843-MI-RC OR EQUAL				
		CAITLIN CBK110CP OR EQUAL				
		LOCATE AS SPECIFIED ON FLOOR PLANS. PROVIDE GRATE WITH MAX 1/2" OPENINGS, MEASURED IN BOTH DIRECTIONS				
		LOCATE AS SPECIFIED ON FLOOR PLANS. (FLOOR DRAIN TO BE USED ON CONCRETE ONLY.) PROVIDE GRATE WITH MAX 1/2" OPENINGS, MEASURED IN BOTH DIRECTIONS FAUCET - ZURN		MANUFACTURER PROFESSION		
		MODEL Z2871-B4-XL W/WRIST BLADES. LOCATE AS SPECIFIED ON FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 10/P2.0		No. C12631 Ren. 3-31-25	*	
		LOCATE AS SPECIFIED ON FLOOR PLANS.		FRE OF CALLFORM		
LUMBING FIXTURES &	FITTINGS".					
LE				THESE DRAWINGS ARE PRELIMINARY AND NOT UNLESS STAMPED & SIGNED BY THE DESIGN PRO REVISIONS		
OVE	PERIMETER PC UNDER-FLOOR	E R. TO STUB THROUGH FLOOR ALL PLUMBING LI DC'S SHOWN ARE FOR COORDINATION PURPOS CONNECTIONS ARE BY SITE CONTRACTOR, U ARE TO FACE OF FINISH (F.O.F.) UNLESS NOTEI	SES ONLY. ALL J.O.N.	$   \underline{ \begin{array}{c} \underline{ 1} \\ \underline{ 2} \\ \underline{ 3} \\ \underline{ 4} \\ \end{array}   $		FACILITY: HIRSCH ELEMENTARY SCHOO 1280 DOVE DR. TRACY, CA 95376
	3. RESTROOM MO MAY OCCUR IN	ONFIGURATION MAY VARY PER BUILDING CON ODULE OCCURS ONLY AT END OF BUILDING. S N ANY PART OF A BUILDING. ODULE CANNOT STAND ALONE AND SHALL BE	INGLE RESTROOMS	DRAWN BY:LSSCALE:AS NOTEDDATE:02/07/25		PROJECT: HIRSCH ES - TK CLASSROOM
/ATER HEATERS OM WATER /ATER PIPING	TOGETHER WI 5. INTERIOR WAL	ITH AT LEAST ONE OTHER 12'x40' MODULE. LS MAY OCCUR THROUGHOUT BUILDING. REF		PROJECT NO: 1920-24 SHEET TITLE:		
OR S9.1 FOR ATTACHMENTS.OULATED TO A0.E PIPE FOR A PIPE6.REFER TO SCHEDULE 10/P2.0 FOR ACCESSIBLE HEIGHTS AT TOILETS.SHALL BE NOT7.REFER TO DETAILS 1, 3, 4 & 5, SHEET A7.1 FOR TOILET PARTITION ANCHORAGE				RESTROOM OP PLUMBING P		SHEET NAME: RESTROOM OPTIONS PLUMB SCHEDULE
RE IN DIAMETER. WATER PIPING IS ALVE) TO A E PIPE.	AREA AS SHO\ ACCESSIBLE F	VATER STUB OUTS SHALL BE LOCATED WITHIN WN ON FLOOR PLAN AND CONNECTIONS SHAL FOR FUTURE RELOCATION. STUB OUT HEIGHT D BY THE MANUFACTURER.	L BE EASILY	& FIXTURE SCH		
3 KBTU/H OR 2 KW S ON BOTH THE THE WATER	9. PIPING MATER a. WATER: C					DATE: <b>04/03/24</b>
HELP PROLONG		EET M1.0 FOR TYPICAL BRACING AND ANCHOR	AGE NOTES.	P1.0	-IN	SHEET:
GENERA	LNOTES					

PLEASE RECYCLE 🖧



CLIENT PROJ NO: 3595001000

I OPTIONS PLUMBING PLAN & FIXTURE

- TK CLASSROOM

MENTARY SCHOOL

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DATE

3/20/25

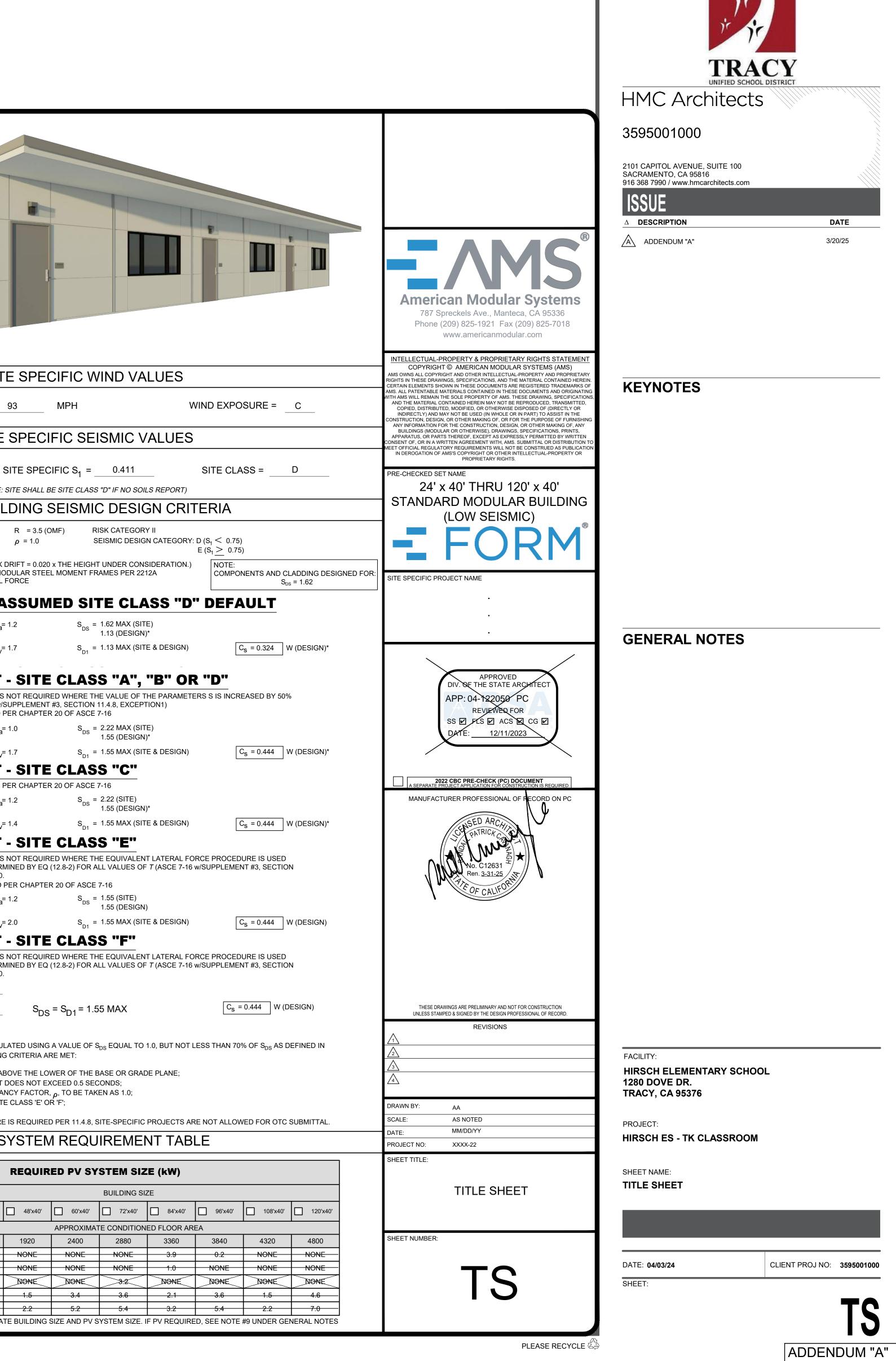
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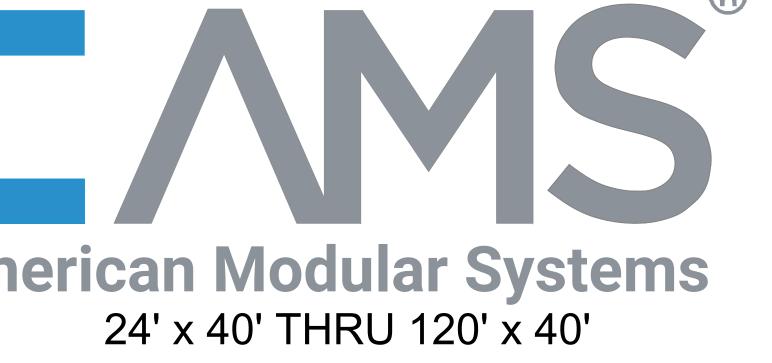
DATE: 03/12/2025

THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEETS ORIGINAL PAGE SIZE					
		24	4' x 40' THRI	<b>lar Systems</b> J 120' x 40' G (LOW SEISMIC)	
┢	APPLICABLE CODES		BUILDING DA	1 /	SITE
-	PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2023		EOR B (CLASSROOM USE		SITE SPECIFIC BASIC WIND SPEED =
	<ul> <li>2022 CALIFORNIA ADMINISTRATIVE CODE (CAC) - PART 1, TITLE 24, CCR)</li> <li>2022 CALIFORNIA BUILDING CODE (CBC), VOLUME 1 &amp; 2 - (PART 2, TITLE 24 CCR) BASED ON THE 2021 INTERNATIONAL BUILDING CODE WITH 2022 CALIFORNIA AMENDMENTS</li> <li>2022 CALIFORNIA ELECTRICAL CODE (CEC) - (PART 3, TITLE 24, CCR) BASED ON THE 2020 NATIONAL ELECTRIC CODE</li> </ul>	TYPE OF CONSTRUCTION WIND LOAD ASCE 7-16 SECTION28.5.3	V-B (CATEGORY I & II) V = 99 MPH BASIC WIND SF EXPOSURE = C		SITE
	<ul> <li>2022 CALIFORNIA ELECTRICAL CODE (CEC) - (PART 3, TITLE 24, CCR) BASED ON THE 2020 NATIONAL ELECTRIC CODE</li> <li>2022 CALIFORNIA MECHANICAL CODE (CMC) - (PART 4, TITLE 24, CCR) BASED ON THE 2021 IAPMO UNIFORM MECHANICAL CODE</li> <li>WITH 2022 CALIFORNIA AMENDMENTS</li> </ul>	SIMPLIFIED PROCEDURE	INTERNAL PRESSURE COE ROOF ANGLE = 1.2 DEGREI NOT CONSIDERED (SEE GE	$11., 60_{\text{Pl}} = 10.18$	
	<ul> <li>2022 CALIFORNIA PLUMBING CODE (CPC) - (PART 5, TITLE 24, CCR) BASED ON THE 2021 IAPMO UNIFORM PLUMBING CODE WITH 2022 CALIFORNIA AMENDMENTS</li> </ul>	SNOW LOAD ROOF LIVE LOAD (MAX PSF)	NOT CONSIDERED (SEE GE           20 (REDUCIBLE)	ENERAL NOTE #14 THIS SHEET)	SITE SPECIFIC S <sub>S</sub> = <u>1.18</u> S (NOTE: S
	<ul> <li>2022 CALIFORNIA ENERGY CODE (CEC) - (PART 6, TITLE 24, CCR)</li> <li>2022 CALIFORNIA FIRE CODE (CFC) - (PART 9, TITLE 24, CCR) BASED ON THE 2021 INTERNATIONAL FIRE CODE WITH 2022 CALIFORNIA AMENDMENTS</li> <li>2022 CALIFORNIA GREEN BUILDING CODE (CGC) - (PART 11, TITLE 24, CCR)</li> </ul>	FLOOR LIVE LOAD (PSF)	50 🛛 50+15	100     150 (NON-STORAGE)	PC BUIL
	<ul> <li>2022 CALIFORNIA GREEN BUILDING CODE (CGC) - (FART IT, TITLE 24, CCR)</li> <li>2022 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)</li> <li>PARTIAL LIST OF APPLICABLE STANDARDS</li> </ul>	DESIGN DEAD LOADS (MAX PSF) FIRE SPRINKLER SYSTEM DESIGN WT.		0 CONC. FLR - 18.0 EXT WALLS F DESIGN DEAD LOADS ABOVE (SEE GENERAL NOTES #5 - #7 THIS SHEET)	$\begin{array}{c} \text{le} = 1.0 & \text{T} = 0.240_{\text{S}} \\ \Omega_{\text{O}} = 3.0 & \text{C}_{\text{d}} = 3.0 \end{array}$
-	• NFPA 13AUTOMATIC SPRINKLER SYSTEM2022 EDITION• NFPA 14STANDPIPE AND HOSE SYSTEMS2019 EDITION	ROOF SOLAR PANEL SYSTEM DESIGN		F DESIGN DEAD LOADS ABOVE (SEE GENERAL NOTE #9 THIS SHEET) L BEARING CAPACITY NOT PERMITTED FOR WIND & SEISMIC LOAD	MAXIMUM STORY DRIFT RATIO = 2.0% (I.E. MAX D
	NFPA 17DRY CHEMICAL EXTINGUISHING SYSTEMS2021 EDITIONNFPA 17AWET CHEMICAL EXTINGUISHING SYSTEMS2021 EDITIONNFPA 20STATIONARY PUMPS2019 EDITIONNFPA 24PRIVATE FIRE MAINS2019 EDITION	ALLOWABLE SOIL PRESSURE (PSF) FLOOD HAZARD AREA	COMBINATIONS UNLESS U NO (SEE GENERAL NOTE #	SING ALTERNATE BASIC LOAD COMBINATIONS PER CBC 1605A.3.2)	LATERAL FORCE RESISTING SYSTEM: LIGHT MOD ANALYSIS PROCEDURE: EQUIVALENT LATERAL F
	NFPA 24     PRIVATE FIRE MAINS     2019 EDITION     NFPA 72     NATIONAL FIRE ALARM AND SIGNALING CODE (CALIFORNIA AMENDED)     (NOTE: SEE UL, STANDARD 1971 FOR "VISUAL DEVICES")     NFPA 253     CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS     2019 EDITION	RAIN INTENSITY (IN/HR) BUILDING AREA (SQ. FT.)	3" MAX. 960 MIN. THRU 4800 MAX.		
	NFPA 2001 CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CA AMMENDED) 2018 EDITION	CLIMATE ZONE GROUP	A (1,16) B (2-5)	C (6-13) D (14,15) (REFER TO EN.1 FOR REQUIREMENTS)	$S_{s} = 2.026 \text{ MAX (SITE)} \qquad F_{a} = 7$ 1.418 (DESIGN)* $S_{1} = 1.001 \text{ MAX (SITE & DESIGN)} \qquad F_{v} = 7$
	GENERAL NOTES	MODULES SYSTEM	LIGHT MODULAR STEEL MO 12'x40' MODULES (2 MODUL	OMENT-FRAMES PER CBC SECION 2212A LES MINIMUM)	
1	<ol> <li>SUBSTITUTION OF PRODUCTS OR PROCESSES WHICH CHANGE THE STRUCTURAL SAFETY, FIRE &amp; LIFE-SAFETY, OR ACCESSIBILTY OF THIS BUILDING SHALL BE SUBMITTED TO THE DSA AS AN ADDENDUM OR CONSTRUCTION CHANGE DOCUMENT.</li> <li>PC BUILDING APPROVED ONLY FOR OCCUPANCY "E" OR "B".</li> </ol>	FOUNDATION TYPE	CONCRETE		WITH SOILS REPORT -           NOTE: GROUND MOTION HAZARD ANALYSIS IS N           FOR ALL ADDITIONS OF SM4 (ASOF 7 46 m/n)
3	<ol> <li>PC BUILDING EXITING IS BASED ON THE USE OR OCCUPANCY AND WILL BE REVIEWED AS SITE SPECIFIC.</li> <li>PC BUILDINGS LOCATED IN FIRE HAZARD SEVERITY ZONES PER WILDLAND URBAN INTERFACE FIRE AREAS (WUI) SHALL CONFORM TO CBC CHAPTER</li> </ol>		SITE-SPECIFIC	COPTIONS	FOR ALL APPLICATIONS OF SM1 (ASCE 7-16 w/SU DESIGN BASED ON SITE CLASS DETERMINED PE $S_s = 3.332 \text{ MAX} (SITE)$ $F_a = 7$
5	7A. PC IS NOT APPROVED FOR WUI. 5. AUTOMATIC SPRINKLER SYSTEMS MIGHT BE REQUIRED FOR SITE SPECIFIC PROJECTS. OPTIONAL AUTOMATIC FIRE SPRINKLER DESIGNS ARE INCLUDED IN THIS PC APPROVAL. (NOTE: SEE BUILDING DATA THIS SHEET FOR FIRE SPRINKLER SYSTEM WEIGHT INCLUDED IN BUILDING DESIGN)	FLOOR DECK X 1%" PLYV	WOOD SHTG. DECK	1 <sup>1</sup> / <sub>2</sub> "x18 GA. 3WxH DECK 3"x18 GA.	$2.332 \text{ (DESIGN)}^*$ S <sub>1</sub> = 1.372 MAX (SITE & DESIGN) F <sub>V</sub> = $7$
6 7	<ol> <li>FIRE SERVICE UNDERGROUND SHALL BE REVIEWED AS A SITE SPECIFIC APPLICATION. WATER SUPPLY SHALL BE DESIGNED TO MEET THE PC SPRINKLER DEMAND REQUIREMENTS.</li> <li>PROVIDE A SITE SPECIFIC FIRE FLOW LETTER OF CERTIFICATION FROM AN APPROVED WATER PURVEYOR OR LOCAL FIRE AUTHORITY.</li> </ol>	WALL STUDSWOODEXTERIOR WALL FINISHSTUCCO			
8	8. THIS PC PLAN SHALL NOT BE USED TO HOUSE "ROOMS OR AREAS WITH SPECIAL HAZARDS" SUCH AS LABORATORIES, VOCATIONAL SHOPS AND OTHER SUCH AREAS NOT CLASSIFIED AS GROUP H, LOCATED IN GROUP E OCCUPANCIES.	HVAC	R FLOOR MOUNTED	VALL MOUNTED SPLIT SYSTEM ROOF MOUNTE	DESIGN BASED ON SITE CLASS DETERMINED PE $S_s = 2.776 \text{ MAX (SITE)} = 7$ 1.943 (DESIGN)*
ç	9. A SEPARATE NON-PC DSA APPLICATION NUMBER (SITE SPECIFIC JOB OR STOCKPILE) IS REQUIRED FOR DESIGN & ROOF-TOP INSTALLATION OF SOLAR PANEL SYSTEMS, ITS ANCHORAGE & SUPPORT STRUCTURE ABOVE THE ROOF FRAMING. THE PC ROOF FRAMING IS DESIGNED FOR SOLAR PANELS TO BE INSTALLED FLAT ON THE ROOF. (NOTE: SEE BUILDING DATA THIS SHEET FOR SOLAR PANEL SYSTEM WEIGHT & WIND LOAD INCLUDED IN BUILDING DESIGN FOR ROOF-TOP.) SUBMITTALS OF ROOF-TOP SOLAR SYSTEM SHALL NOT BE SUBMITTED AS AN OVER-THE-COUNTER	ROOFING STANDIN		STANDING SEAM OVER SHEATHING)DBUILT-UP ROOFINGDSINGLE PLY ROOFING	$S_1 = 1.666 \text{ MAX} \text{ (SITE & DESIGN)} F_V = 2$
1	<ul> <li>SUBMITTAL.</li> <li>IF THE STRUCTURE IS LOCATED IN AN AREA WITH LIQUEFIABLE SOIL OR SITE CLASS F, OVER-THE-COUNTER SUBMITTAL IS NOT ALLOWED AND SITE SPECIFIC PROJECT SUBMITTAL IS REQUIRED. IF THE SITE IS NOT IN A MAPPED LIQUEFACTION HAZARD ZONE, IT MAY BE PRESUMED THAT NO</li> </ul>				NOTE: GROUND MOTION HAZARD ANALYSIS IS N FOR DESIGN AND THE VALUE OF C IS DETERMINE
1	LIQUEFACTION HAZARD EXISTS ON THAT SITE UNLESS A SITE-SPECIFIC GEOTECHNICAL REPORT IDENTIFIES SUCH HAZARD. 11. THIS PC BUILDING IS NOT DESIGNED FOR FLOOD HAZARD AREAS. WHEN A SITE-SPECIFIC PROJECT IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X, A LETTER STAMPED AND SIGNED FROM A GEOTHECHNICAL ENGINEER IS NEEDED TO VALIDATE THAT THE ALLOWABLE SOIL VALUES	ROOF DIAPHRAGM STEEL S	TRAP CROSS BRACING - SEE SHEET S4.	0 1/2" SHEATHING - SEE SHEET S4.1	11.4.8, EXCEPTION 2) SEE GENERAL NOTE #10. DESIGN BASED ON SITE CLASS DETERMINED PI
6w	SPECIFIED IN THE PC DRAWINGS ARE STILL APPLICABLE, UNLESS THE BOTTOMS OF FOUNDATIONS ARE RAISED ABOVE THE DESIGN FLOOD ELEVATION, A VALIDATION LETTER FROM THE GEOTHECNICAL ENGINEER SHALL BE PROVIDED, EVEN IF THE PRESUMPTIVE LOAD-BEARING VALUES PER CBC SECTION 1806A.2 ARE USED. PROJECT SHALL BE EXEMPT FROM THE VALIDATION LETTER FOR PROJECTS LOCATED IN ZONE D (UNDEFINED)	REAR OVERHANG	YES - LENGTH:         5'-0"           YES - LENGTH:         2'-0"	ENCLOSED - 7'-0" MAX ENCLOSED - 7'-0" MAX	$S_{s} = 1.943 \text{ MAX (SITE)} \qquad F_{a} = 7$ 1.943 (DESIGN) $S_{1} = 1.166 \text{ MAX (SITE & DESIGN)} \qquad F_{v} = 2$
2 1 1 1 1 1	IF THE APPLICANT PROVIDES EVIDENCE FROM THE LOCAL JURISDICTION OR A QUALIFIED DESIGN PROFESSIONAL CONFIRMING THAT THE SITE IS NOT IN A FLOOD HAZARD ZONE. LOCATION OF ELECTRICAL ELEMENTS SHALL CONFORM TO THE AMERICAN SOCIETY OF CIVIL ENGINEERS. 12. THE PLACEMENT OF THE PC BUILDING(S) ON OR ADJACENT TO SLOPES SHALL COMPLY WITH THE 'FOUNDATION CLEARANCES FROM SLOPES'	SOLATUBE ON ROOF 🛛 NO	YES		
05825027 1	SPECIFICATIONS FOUND ON SHEET N2.0 OF THESE DRAWINGS. 13. PC BUILDING SHALL NOT BE PLACED OR BE RELOCATED IN AREAS HAVING A NOISE CONTOUR GREATER THAN OR EQUAL TO 65 CNEL, OR IN AREAS EXPOSED TO A NOISE LEVEL OF 65 dB L <sub>eg</sub> -1-hr DURING ANY HOUR OF OPERATION WHEN NOISE	FIRE SPRINKLERS     NO       SOLAR PANELS     NO	YES (SEE GENERAL NOTES	,	NOTE: GROUND MOTION HAZARD ANALYSIS IS N FOR DESIGN AND THE VALUE OF C <sub>S</sub> IS DETERMI 11.4.8, EXCEPTION 2) SEE GENERAL NOTE #10.
	CONTOURS ARE NOT READILY AVAILABLE, AS SPECIFIED IN CALGREEN CODE, SECTION 5.507.4.1 & 5.507.4.1.1. 14. THIS PC BUILDING IS NOT DESIGNED FOR SNOW LOADS.	OPTIONAL SIDE WALL CANOPY	YES (SEE SHEET S5.4A)		SITE SPECIFIC S <sub>DS</sub> =
⊢ ĭ	<ol> <li>THIS PC BUILDING IS NOT DESIGNED FOR ICE LOADS.</li> <li>BUILDING SHALL BE MANUFACTURED IN COMPLIANCE WITH CFC CHAPTER 33 FOR FIRE SAFETY DURING CONSTRUCTION.</li> <li>SUBMITTAL AND APPROVAL OF A GEOHAZARD REPORT BY THE CALIFORNIA GEOLOGICAL SURVEY (CGS) IS NOT REQUIRED FOR SINGLE-STORY</li> </ol>	LIQUEFIABLE SOILSImage: NOMAPPED GEOHAZARD ZONEImage: NO	YES (SEE GENERAL NOTE ;	·	SITE SPECIFIC S <sub>D1</sub> =
USD-BO	MODULAR BUILDINGS PROVIDED THAT THEY DO NOT EXCEED 4,000 SQUARE FEET IN PLAN AREA AND ARE NOT LOCATED WITHIN STATE OR LOCAL GEOLOGICAL HAZARD ZONES IN ACCORDANCE WITH IR A-4, SECTION 3.2.1. 18. ACCEPTANCE TESTS BE COMPLETED ON NEWLY INSTALLED OR REPLACEMENT OF LIGHTING CONTROLS, MECHANICAL SYSTEMS, FENESTRATION,	GEOHAZARD REPORT NO	YES		*PER ASCE 7-16, SECTION 12.8.1.3: THE VALUE OF $C_S$ AND $E_V$ ARE PERMITTED TO BE CALCULA SECTION 11.4.5, PROVIDED THAT ALL OF THE FOLLOWING
000-A-T	AND PROCESS EQUIPMENT BEFORE PROJECT COMPLETION PER THE CALIFORNIA ENERGY CODE SECTION 10-103. ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED ACCEPTANCE TEST TECHNICIAN (ATT). THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES CORRECTED UNTIL THE INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA.	IF YES GEOTECHNIC. REPORT #:	AL FIRM:	REPORT DATE:	1. STRUCTURE DOES NOT HAVE IRREGULARITIES;     2. STRUCTURE DOES NOT EXCEED FIVE (5) STORIES AB(     3. STRUCTURE HAS A FUNDAMENTAL PERIOD, T, THAT D
6 5	COMPLETED NRCA FORMS SHALL BE SUBMITTED TO THE PROJECT INSPECTOR AND THE DISTRICT. 19. THIS PC WILL NOT BE PLACED ON ANY CAMPUS IN AND OF THE FOLLOWING LOCATIONS: 19.1. WITHIN THE 65 CNEL NOISE CONTOUR OF AN AIRPORT.	GEOTECHNICAL REPORT NO		* REQUIRED IF BUILDING AREA > 4,000 SF	<ol> <li>STRUCTURE MEETS REQUIREMENTS FOR REDUNDAN</li> <li>SITE SOIL PROPERTIES ARE NOT CLASSIFIED AS SITE</li> </ol>
	<ul> <li>19.7. WITHIN THE 05 CREE NOISE CONTOUR OF A FREEWAY, EXPRESSWAY, RAILROAD OR INDUSTRIAL SOURCE GUIDEWAY.</li> <li>19.3. WHERE EXPOSED TO NOISE LEVELS OF 65 DB-LEQ-1-HOUR DURING ANY HOUR OF OPERATION.</li> </ul>	REPORT #:			6. STRUCTURE IS CLASSIFIED AS RISK CATEGORY II.     7. WHEN SITE SPECIFIC GROUND MOTION PROCEDURE I
<b>DOMS 21</b> 8280490 PWR.IBM6			NGS REQUIRED?	YES - REQUIRED DEPTH:	PV S
LASSRC INTEDISTATOR	© 2023 BY AMERICAN MODULAR SYSTEMS, INC.		CONCRETE MIX DESIGN FOR BELOW G		
SD TK C	ALL OF THE DRAWINGS AND DETAILS CONTAINED IN THIS PACKAGE ARE THE INTELLECTUAL PROPERTY OF AMS AND MAY NOT BE USED			N FOR BELOW GRADE CONCRETE PER SHEET N1.0A.	CLIMATE ZONE
://3595005000 TU\$ 46 <b>,AM</b> indangawaanara	COPYRIGHT: © 2023 BY AMERICAN MODULAR SYSTEMS, INC. ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC, MECHANICAL, PHOTOCOPYING, RECORDING, OR OTHERWISE, WITHOUT THE PRIOR WRITTEN PERMISSION OF AMERICAN MODULAR SYSTEMS, INC. CERTAIN ELEMENTS CONTAINED IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS.			R SELECTION BASED ON SITE SPECIFIC REQUIREMENTS.	960 1440 
Autodesk Docs 12/3/2024 <del>-ଡଟ୍ଟର</del> ିକେ	MODULAR SYSTEMS, INC. CERTAIN ELEMENTS CONTAINED IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMERICAN MODULAR SYSTEMS, INC. SHALL REMAIN THE SOLE PROPERTY OF AMERICAN MODULAR SYSTEMS, INC. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMERICAN MODULAR SYSTEM, INC.'S COPYRIGHT OR OTHER RESERVED INTELLECTUAL PROPERTY RIGHTS AND INTERESTS.				Image: Constraint of the second state  NONE  NONE    14  NONE  NONE    15  NONE    NOTE: FOR SITE-SPECIFIC PROJECT, INDICATE



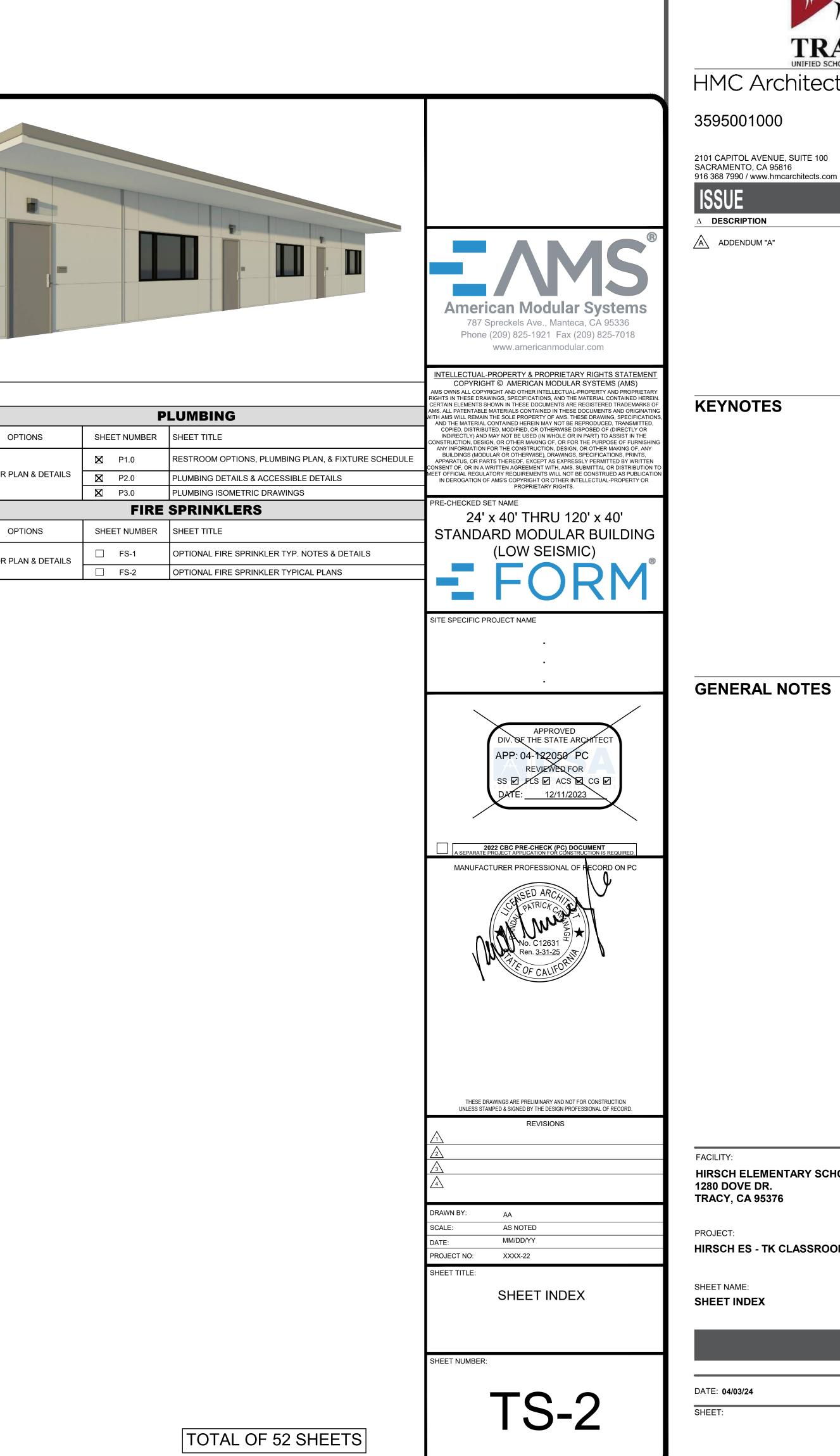


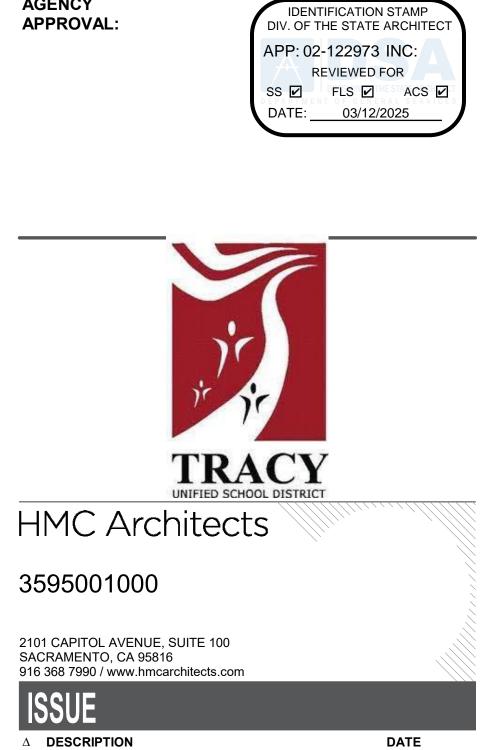
								B		
					<b>1 Perican Modula</b> 24' x 40' THRU ANDARD BUILDING	120' x 40'				
	ARCH	IITECTURAL		ARCHITE	SHEET CTURAL (CONTINUATION)	INDEX	Μ	ECHANICAL		
OPTIONS	SHEET NUMBER		OPTIONS			OPTIONS	SHEET NUMBER			
COVER SHEET	Image: State Sta	TITLE SHEET SHEET INDEX	INTERIOR ELEVATIONS	A4.0           A4.1	INTERIOR ELEVATIONS - TYPICAL CLASSROOM INTERIOR ELEVATIONS - RESTROOM OPTIONS	F: 0.55 -	M1.0 M1.1A	TYPICAL REFLECTED CEILING PLAN TYPICAL MECHANICAL PLAN OPTIONS TYPICAL MECHANICAL PLAN OPTIONS		
INSPECTION FORM	☑         D1           ☑         D2	FORM DSA-103 FORM DSA-103		A4.2	INTERIOR ELEVATIONS - RESTROOM OPTIONS - ALT. TOILET TYPES TYPICAL EXTERIOR ELEVATIONS	FLOOR PLANS	□         M1.1B           □         M1.1C	TYPICAL MECHANICAL PLAN OPTIONS         TYPICAL MECHANICAL PLAN OPTIONS		
	N1.0           N1.0A	GENERAL NOTES & SPECIFICATIONS BELOW GRADE CONCRETE MIX DESIGN REQUIREMENTS	STUCCO	□ A5.2 □ A5.3	- STUCCO OPTION TYPICAL ARCHITECTURAL DETAILS		□ M1.3 X M1.4	RESTROOM REFLECTED CEILING PLANS & OPTIONS MECHANICAL & CEILING DETAILS	S	
GENERAL NOTES &	⊠         N2.0           ⊠         N3.0	GENERAL NOTES & SPECIFICATIONS TYPICAL SCHEDULES: DOORS, WINDOWS & FINISHES		□ A5.3A	- STUCCO OPTION DETERIORATION DETAILS GREATER THAN 2160 SQ. FT. - STUCCO OPTION		□         M1.4A           ⊠         M1.5	MECHANICAL & CEILING DETAILS MECHANICAL & CEILING DETAILS		
SPECIFICATIONS	X         N4.0           □         N5.0	ACCESSIBILITY STANDARDS AND DETAILS MULTIPLE FLOOR PLAN CONFIGURATIONS		X A5.4	TYPICAL EXTERIOR ELEVATIONS - LAP SIDING OPTION	DETAILS	M1.5A	MECHANICAL & CEILING DETAILS MECHANICAL ROOF DETAILS		
	□ N5.1	MULTIPLE FLOOR PLAN CONFIGURATIONS	LAP SIDING	🛛 A5.5	TYPICAL ARCHITECTURAL DETAILS - LAP SIDING OPTION		□ M1.6A	MECHANICAL ROOF DETAILS		
	EN.1A-EN.1B	ENERGY CALCULATIONS - SUMMATION SHEETS ENERGY CALCULATIONS - 24'x40' BUILDING - GROUP A			□ A5.5A	DETERIORATION DETAILS GREATER THAN 2160 SQ. FT. - LAP SIDING OPTION TYPICAL EXTERIOR ELEVATIONS	MISCELLANEOUS	X         M1.7           X         M1.7A	CEILING NOTES & SPECIFICATIONS MECHANICAL NOTES & SCHEDULES	
	EN.4-EN.5	ENERGY CALCULATIONS - 24'x40' BUILDING - GROUP B		A5.6	TYPICAL EXTERIOR ELEVATIONS - SYNTHETIC STUCCO OPTION TYPICAL ARCHITECTURAL DETAILS					
	EN.6-EN.7     EN.8-EN.9	ENERGY CALCULATIONS - 24'x40' BUILDING - GROUP C ENERGY CALCULATIONS - 24'x40' BUILDING - GROUP D	STUCCO	□ A5.7 □ A5.7A	- SYNTHETIC STUCCO OPTION DETERIORATION DETAILS GREATER THAN 2160 SQ. FT.	OPTIONS	SHEET NUMBER	SHEET TITLE TYPICAL ELECTRICAL PLAN		
		ENERGY CALCULATIONS - 36'x40' BUILDING - GROUP A ENERGY CALCULATIONS - 36'x40' BUILDING - GROUP B		A7.0	- SYNTHETIC STUCCO OPTION ARCHITECTURAL EXTERIOR FINISH OPTIONS DETAILS	FLOOR PLANS & DETAILS	E1.1	RESTROOM OPTIONS ELECTRICAL PLANS ELECTRICAL NOTES & DETAILS		
		ENERGY CALCULATIONS - 36'x40' BUILDING - GROUP C ENERGY CALCULATIONS - 36'x40' BUILDING - GROUP D	MISCELLANEOUS DETAILS	A7.1	MISCELLANEOUS ARCHITECTURAL DETAILS TYPICAL LONGITUDINAL AND TRANSVERSE FRAME SECTIONS					
	EN.18-EN.19	ENERGY CALCULATIONS - 48'x40' BUILDING - GROUP A ENERGY CALCULATIONS - 48'x40' BUILDING - GROUP A ENERGY CALCULATIONS - 48'x40' BUILDING - GROUP B		A8.0	1-HR FIRE RATED CONSTRUCTION DETAILS					
	EN.22-EN.23	ENERGY CALCULATIONS - 48'x40' BUILDING - GROUP C	OPTIONS	<b>3 I</b> SHEET NUMBER	RUCTURAL SHEET TITLE					
	EN.26-EN.27	ENERGY CALCULATIONS - 48'x40' BUILDING - GROUP D ENERGY CALCULATIONS - 60'x40' BUILDING - GROUP A	STEEL MEMBER PROPERTIES	🔀 S0.0	STEEL MEMBER PROPERTIES					
		ENERGY CALCULATIONS - 60'x40' BUILDING - GROUP B ENERGY CALCULATIONS - 60'x40' BUILDING - GROUP C	ν	□ S1.0 ⊠ S1.1	CONCRETE FOUNDATION PLAN (50 PSF MAX FLOOR LIVE LOAD) CONCRETE FOUNDATION PLAN					
		ENERGY CALCULATIONS - 60'x40' BUILDING - GROUP D ENERGY CALCULATIONS - 72'x40' BUILDING - GROUP A		S1.1	(50 PSF LIVE LOAD +15 PSF PARTITION LOAD) CONCRETE FOUNDATION PLAN					
ENERGY SHEETS & CALCULATIONS	EN.36-EN.37	ENERGY CALCULATIONS - 72'x40' BUILDING - GROUP B ENERGY CALCULATIONS - 72'x40' BUILDING - GROUP C	ANS & L	□ S1.2	(100 PSF MAX FLOOR LIVE LOAD) CONCRETE FOUNDATION PLAN (150 PSF MAX FLOOR LIVE LOAD)					
UUL (1101)U	EN.40-EN.41	ENERGY CALCULATIONS - 72'x40' BUILDING - GROUP D		⊠ S1.4	CONCRETE FOUNDATION DETAILS					
	EN.44-EN.45	ENERGY CALCULATIONS - 84'x40' BUILDING - GROUP A ENERGY CALCULATIONS - 84'x40' BUILDING - GROUP B		S1.5           S1.6A	CONCRETE FOUNDATION DETAILS STANDARD ANCHORAGE FOUNDATION DETAILS					
		ENERGY CALCULATIONS - 84'x40' BUILDING - GROUP C ENERGY CALCULATIONS - 84'x40' BUILDING - GROUP D	- FO	S1.6B	UPGRADED ANCHORAGE FOUNDATION DETAILS CONCRETE FOUNDATION OPTIONAL UTILITY OPENINGS IN					
		ENERGY CALCULATIONS - 96'x40' BUILDING - GROUP A ENERGY CALCULATIONS - 96'x40' BUILDING - GROUP B	Q		FOOTINGS					
	EN.54-EN.55	ENERGY CALCULATIONS - 96'x40' BUILDING - GROUP C ENERGY CALCULATIONS - 96'x40' BUILDING - GROUP D	BLAN	🔀 S3.0	FLOOR FRAMING PLAN & DETAILS FOR PLYWOOD FLOOR					
	EN.58-EN.59	ENERGY CALCULATIONS - 108'x40' BUILDING - GROUP A	ETE w/	□ S3.1	FLOOR FRAMING PLAN & DETAILS FOR CONCRETE FLOOR w/BH-DECK OPTION (100 PSF MAX FLOOR L.L.)					
	EN.62-EN.63	ENERGY CALCULATIONS - 108'x40' BUILDING - GROUP B ENERGY CALCULATIONS - 108'x40' BUILDING - GROUP C	FLOOR FF D D CONCRET METAL DE		FLOOR FRAMING PLAN & DETAILS FOR CONCRETE FLOOR					
	EN.66-EN.67	ENERGY CALCULATIONS - 108'x40' BUILDING - GROUP D ENERGY CALCULATIONS - 120'x40' BUILDING - GROUP A	₩ <sup>C</sup>	S3.3	w/3WxH-DECK OPTION (150 PSF MAX FLOOR L.L.)					
		ENERGY CALCULATIONS - 120'x40' BUILDING - GROUP B ENERGY CALCULATIONS - 120'x40' BUILDING - GROUP C	- ROOF FRAMING PLANS	S4.0	ROOF FRAMING PLAN & DETAILS - CROSS BRACING OPTION ROOF FRAMING PLAN & DETAILS - ROOF SHEATHING OPTION					
		ENERGY CALCULATIONS - 120'x40' BUILDING - GROUP D ENERGY CALCULATIONS - SUPPLEMENTAL SHEETS	& DETAILS	X         S4.2           □         S4.3	ROOF FRAMING DETAILS - CROSS BRACING OPTIONROOF FRAMING DETAILS - ROOF SHEATHING OPTION					
	A1.0	TYPICAL FLOOR PLAN TYPICAL FLOOR PLAN w/ SOLATUBE OPTION	- - -	□ S4.4 ⊠ S5.0	OPTIONAL PARAPET FRAMING ELEVATIONS & DETAILS MOMENT FRAME ELEVATIONS & DETAILS					
FLOOR PLANS	A1.2	RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 13-ADULT	BUILDING FRAMING ELEVATIONS & DETAILS	☑         S5.1           □         S5.4A	MOMENT FRAME CONNECTION DETAILS OPTIONAL SIDE WALL CANOPY PLAN & DETAILS					
	A1.3           A1.4	RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 9-12 RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 5-8	6.8	S5.4A	WALL FRAMING ELEVATIONS & SCHEDULES - WOOD STUDS					
	A1.5	RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 3-4 TYPICAL ROOF PLAN - METAL STANDING SEAM	MULT NOOD STUDS	🔀 S8.1	WALL FRAMING DETAILS - WOOD STUDS					
METAL SEAM	A2.0	(WITHOUT PARAPETS) TYPICAL ROOF PLAN - METAL STANDING SEAM	WALL FRAMING 본 입	S9.0	WALL FRAMING ELEVATIONS & SCHEDULES - METAL STUD OPTION					
א I בע <u>ש</u>	A2.1	(WITH PARAPETS) TYPICAL ROOF DETAILS - METAL STANDING SEAM	METAL	□ S9.1 □ S9.2	WALL FRAMING DETAILS - METAL STUD OPTION TYPICAL METAL STUD FRAMING DETAILS & PROPERTIES					
& DET				. –						
ROOF PLAN & DET	□ A2.3	TYPICAL ROOF PLAN - SINGLE-PLY OR BUILT-UP (WITHOUT PARAPETS) TYPICAL ROOF PLAN - SINGLE-PLY OR BUILT-UP								





AGENCY APPROVAL:





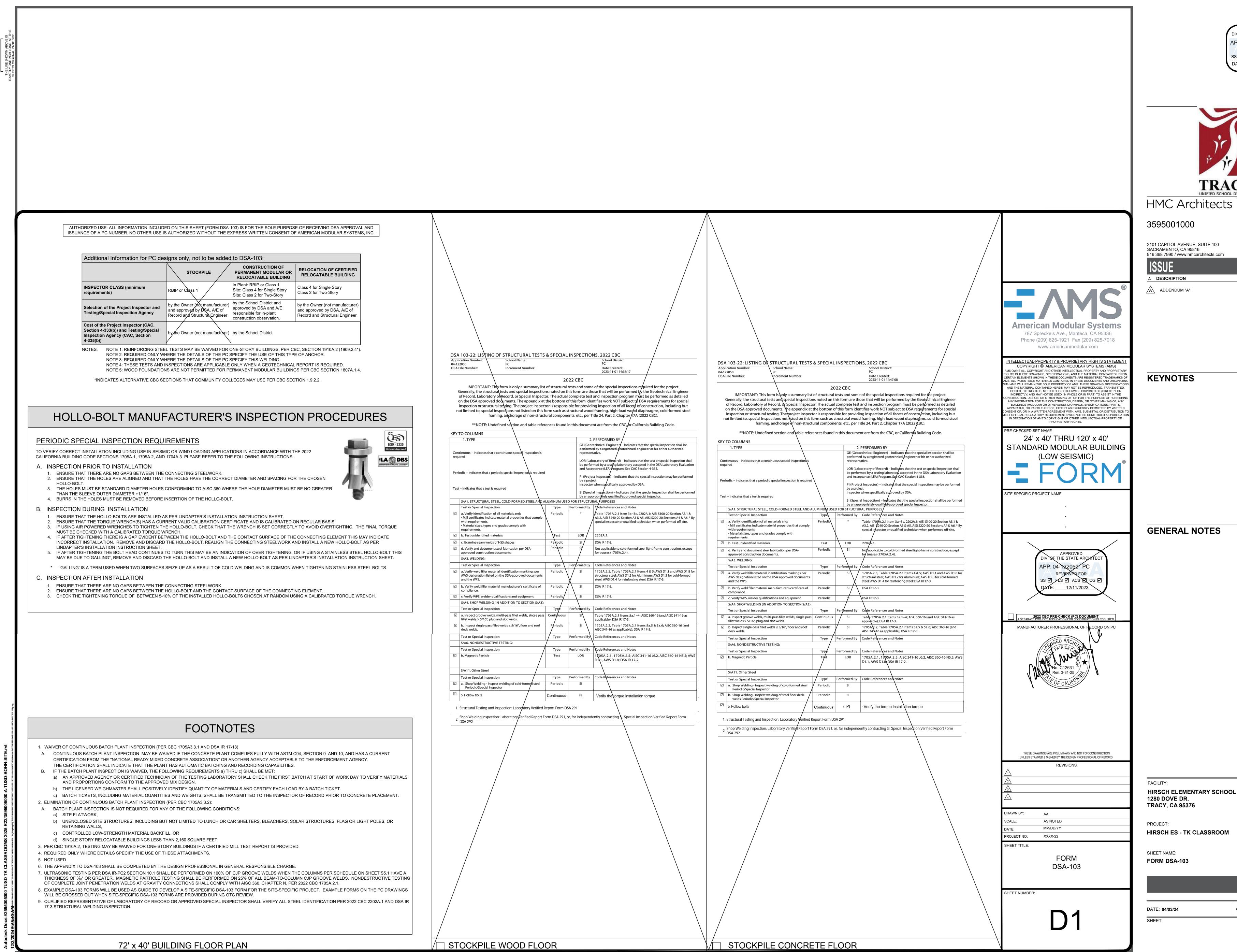
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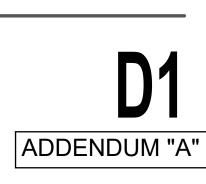
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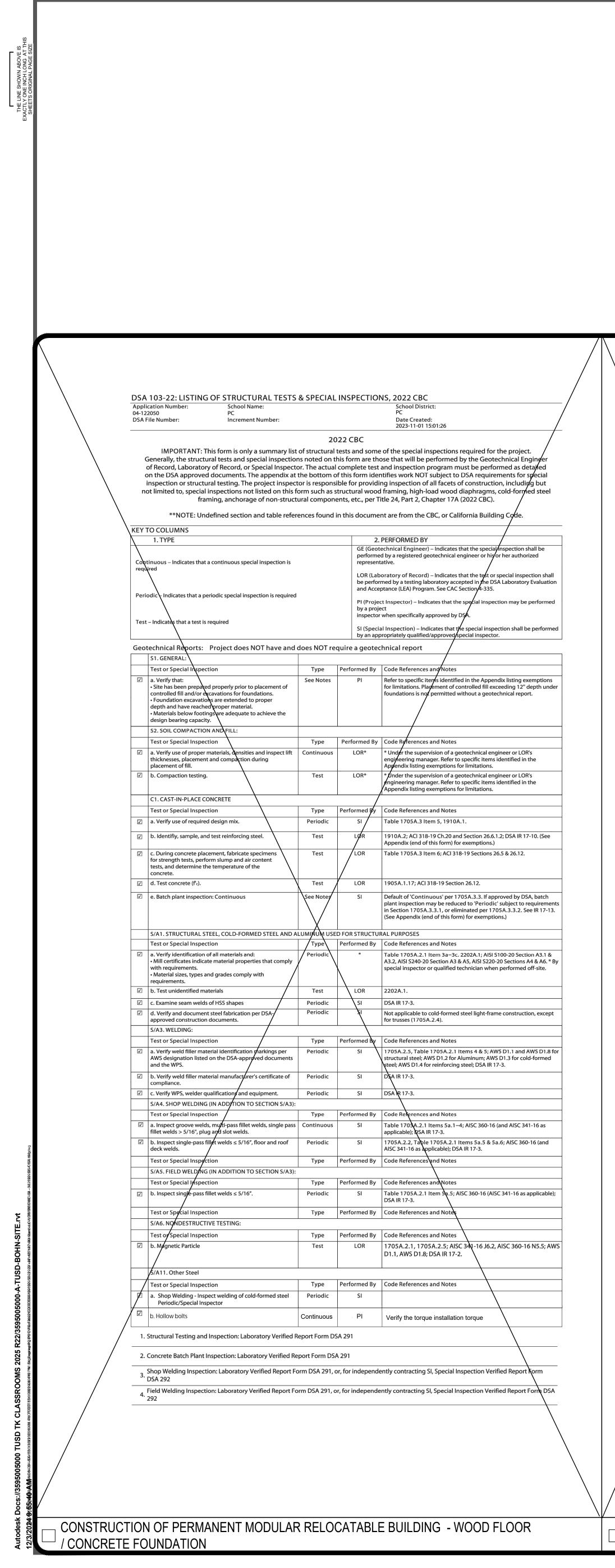
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**GENERAL NOTES** 

TRACY

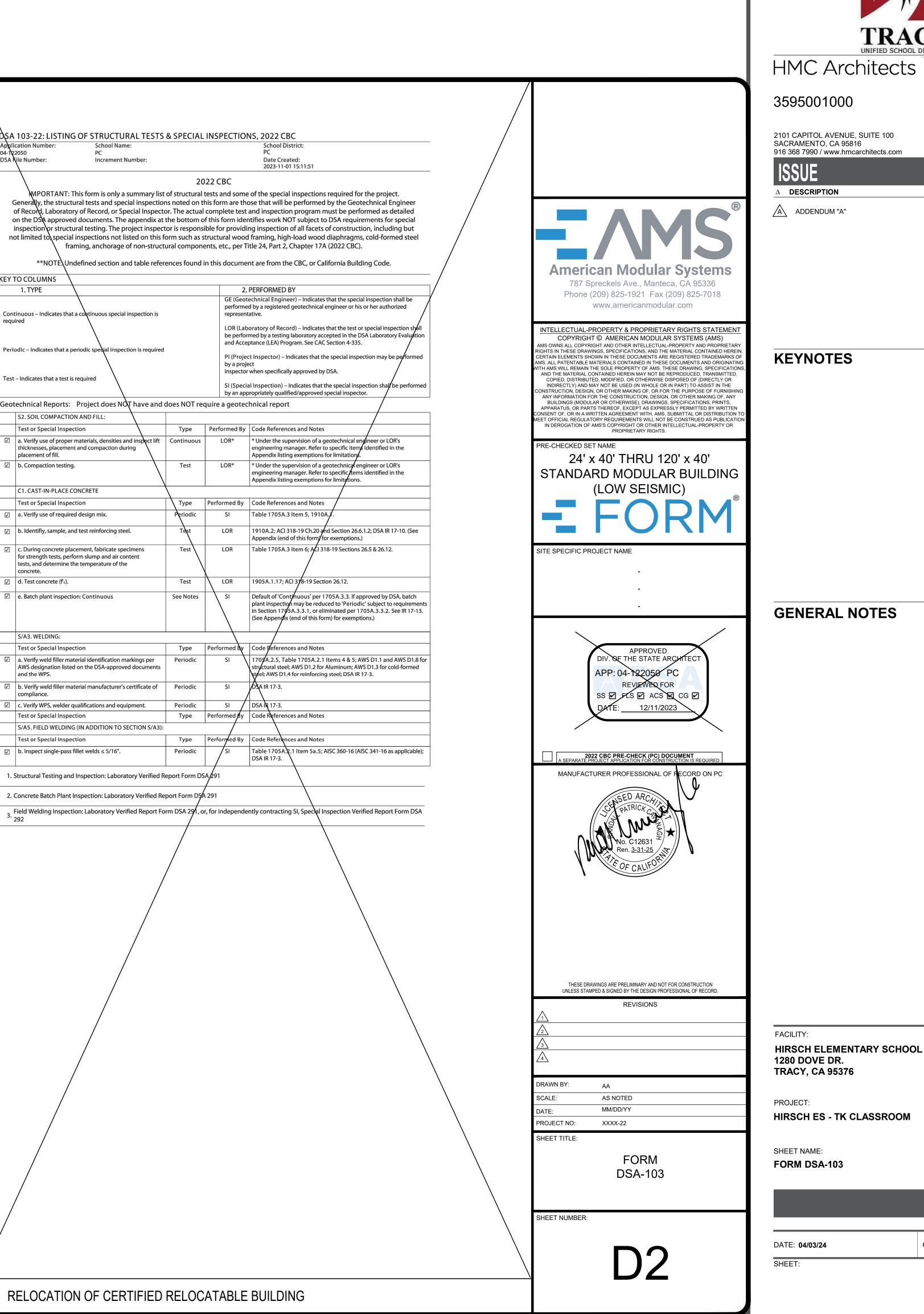
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IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-122973 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 03/12/2025 DATE:



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of R on t insp no li KEY TO ( 1. Continu- required Periodic Test – In	erally, the structural tests and special inspection Record, Laboratory of Record, or Special Inspecto the DSA approved documents. The appendix at t poetion or structural testing. The project inspecto imited to, special inspections not listed on this for framing, anchorage of non-structure **NOTE: Undefined section and table reference COLUMNS	of structural f s noted on tl r. The actual he bottom o or is responsi orm such as s	tests and some his form are the	e of the special inspections required for the project.	
of R on t not lin KEY TO 0 1. Continu- required Periodic Test – In	Record, Laboratory of Record, or Special Inspecto the DSA approved documents. The appendix at t pection or structural testing. The project inspecto imited to, special inspections not listed on this for framing, anchorage of non-structu **NOTE: Undefined section and table reference COLUMNS	r. The actual he bottom o or is responsi orm such as s			MPORTANT: This form is on
KEY TO ( 1. Continu- required Periodic Test – In	pection or structural testing. The project inspecto imited to, special inspections not listed on this for framing, anchorage of non-structu **NOTE: Undefined section and table reference COLUMNS	or is responsi orm such as s		and inspection program must be performed as detailed	Generally, the structural tests and s of Record, Laboratory of Record, o
KEY TO 0	framing, anchorage of non-structu **NOTE: Undefined section and table refere		ble for providi	ing inspection of all facets of construction, including but	on the DSA approved documents. inspection or structural testing. Th
1. Continu required Periodic Test – In	социмия	nui compone		d framing, high-load wood diaphragms, cold-formed steel Fitle 24, Part 2, Chapter 17A (2022 CBC).	not limited to special inspections not framing, anchora
1. Continu required Periodic Test – In	<b>\</b>	ences found i	n this docume	ent are from the CBC, or California Building Code.	**NOTE Undefined sectio
Continu required Periodic Test – In	TYPE				
required Periodic Test – In				. PERFORMED BY technical Engineer) – Indicates that the special inspection shall be	1. TYPE
Periodic Test – In	ous – Indicates that a continuous special inspection is			ed by a registered geotechnical engineer or his of her authorized	Continuous – Indicates that a continuous spe
Test – In			LOR (Lab	poratory of Record) – Indicates that the test or special inspection shall rmed by a testing laboratory accepted in the DSA Laboratory Evaluation	required
	c – Indicates that a periodic special inspection is required		and Acce	eptance (LEA) Program. See CAC Section 4-835.	Periodic – Indicates that a periodic special in:
			by a proj		
	dicates that a test is required			r when specifically approved by DSA, ial Inspection) – Indicates that the special inspection shall be performed	Test – Indicates that a test is required
Geotec	hnical Reports: Project does NOT have and the	does NOT re	by an ap	propriately qualified/approved special inspector.	
	. SOIL COMPACTION AND ALL:				Geotechnical Reports: Project does S2. SOIL COMPACTION AND FILL:
	est or Special Inspection	Туре		Code References and Notes	Test or Special Inspection
thi	Verify use of proper materials, densities and inspect lift icknesses, placement and compaction during acement of fill.	Continuous	LOR*	* Under the supervision of a geotechnical engineer or LOR's engineering manager Refer to specific items identified in the Appendix listing exemptions for limitations.	<ul> <li>a. Verify use of proper materials, densiti thicknesses, placement and compaction</li> </ul>
	Compaction testing.	Test	LOR*	* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the	placement of fill.     Image: Description of the streng of the str
				Appendix listing exemptions for limitations.	
	. CAST-IN-PLACE CONCRETE	Туре	Performed By	Code References and Notes	C1. CAST-IN-PLACE CONCRETE Test or Special Inspection
☑ a.\	Verify use of required design mix.	Periodic	SI	Table 1706A.3 Item 5, 1910A.1.	a. Verify use of required design mix.
Ø b.	Identifiy, sample, and test reinforcing steel.	Test	LOR	1910A.2; ACI 318-19 Ch.20 and Section 26.6.1.2; DSA IR 17-10. (See Appendix (end of this form) for exemptions.)	b. Identifiy, sample, and test reinforcing
	During concrete placement, fabricate specimens r strength tests, perform slump and air content	Test	LOR	Table 1705A.3 Item 6; ACI 318-19 Sections 26.5 & 26.12.	C. During concrete placement, fabricate for strength tests, perform slump and ai
tes	sts, and determine the temperature of the ncrete.				tests, and determine the temperature o concrete.
☑ d.	Test concrete (f'c).	Test	LOR	1905A.1.17; ACI 318-19 Section 26.12.	☑ d. Test concrete (fc).
☑ e. I	Batch plant inspection: Continuous	See Notes	SI	Default of 'Continuous' per 1705A.3.3. If approved by DSA, batch plant inspection may be reduced to 'Periodic' subject to requirements	e. Batch plant inspection: Continuous
				in Section 1705A.3.3.1, or eliminated per 1705A.3.3.2. See IR 17-13. (See Appendix (end of this form) for exemptions.)	
	A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND AL	<b>\</b>	/		S/A3. WELDING:
☑ a.\	st or Special Inspection Verify identification of all materials and:	Type Periodic	Performed By *	Code References and Notes         Table 1705A.2.1 Item 3a–3c. 2202A.1; AISI S100-20 Section A3.1 &	Test or Special Inspection           Image: Constraint of the system of the sys
• M wit	Aill certificates indicate material properties that comply the requirements.			A3.2, AISI S240-20 Section A3 & A5, AISI S220-20 Sections A4 & A6. * By special inspector or qualified technician when performed off-site.	AWS designation listed on the DSA-app and the WPS.
rec	Aaterial sizes, types and grades comply with quirements.	/	Δ		b. Verify weld filler material manufactur
	Test unidentified materials Examine seam welds of HSS shapes	Test Periodi <b>r</b>	LOR	2202A.1.	compliance. C. Verify WPS, welder qualifications and
☑ d. '	Verify and document steel fabrication per DSA- proved construction documents.	Periodic		Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).	Test or Special Inspection S/A5. FIELD WELDING (IN ADDITION 1
	A3. WELDING:				Test or Special Inspection
	st or Special Inspection Verify weld filler material identification markings per	Type Periodic	Performed By SI	Code References and Notes 1705A.2.5, Table 1705A.2.1 Items 4 & 5; AWS D1.1 and AWS D1.8 for	b. Inspect single-pass fillet welds $\leq 5/16$
AM	VS designation listed on the DSA-approved documents d the WPS.			structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.	1. Structural Testing and Inspection: Lab
	Verify weld filler material manufacturer's certificate of mpliance.	Periodic	SI	DSA IR 17-3.	2. Concrete Batch Plant Inspection: Labo
☑ c.\	Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.	3. Field Welding Inspection: Laboratory
	A4. SHOP WELDING (IN ADDITION TO SECTION \$/A3): ist or Special Inspection	Туре	Performed By	Code References and Notes	
☑ a.I	Inspect groove welds, multi-pass fillet welds, single pass et welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Items 5a.1–4; AISC 360-16 (and AISC 341-16 as applicable) DSA IR 17-3.	
☑ b.1	Inspect single-pass fillet welds $\leq 5/16^{\prime\prime}$ , floor and roof eck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 a applicable); DSA IR 17-3.	
	est or Special Inspection	Туре	Performed By	Code References and Notes	
	A5. FIELD WELDING (IN ADDITION TO SECTION S/A3):	<b>T</b>	Dorfor- 1-	Code References and Neter	
	est or Special Inspection Inspect single-pass fillet welds $\leq \frac{3}{16''}$ .	Type Periodic	Performed By SI	Code References and Notes Table 1705A.2.1 Item 5a.5; AISC 360-16 (AISC 341-16 as applicable);	
Те	est or Special Inspection	Туре	Performed By	DSA IR 17-3. Code References and Notes	
S//	A6. NONDESTRUCTIVE TESTING:	,.	, , , , , , , , , , , , , , , , , , ,		
	est or Special Inspection Magnetic Particle	Type Test	Performed By LOR	Code References and Notes 1705A.2.1, 1705A.2.5; AISC 341-16 J6.2, AISC 360-16 N5.5; AWS	
	/			D1.1, AWS D1.8; DSA IR 17-2.	/
	A11. Other Steel				/
☑ a.	st or Special Inspection Shop Welding / Inspect welding of cold-formed steel	Type Periodic	Performed By SI	Code References and Notes	
☑ b.	Periodic/Special Inspector Shop Welding - Inspect welding of steel floor deck	Periodic	SI	<u> </u>	
	welds Periodic/Special Inspector				
	Hollow bolts	Continuous	PI	Verify the torque installation torque	
	ctural/Testing and Inspection: Laboratory Verified Re	-			
	crete Batch Plant Inspection: Laboratory Verified Rep				
<sup>3</sup> DSA:	292			ently contracting SI, Special Inspection Verified Report Form	
		m DSA 291, oi	, for independe	ently contracting SI, Special Inspection Verified Report Form DSA	
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					/

### CONSTRUCTION OF PERMANENT MODULAR RELOCATABLE BUILDING - CONCRETE FLOOR / CONCRETE FOUNDATION

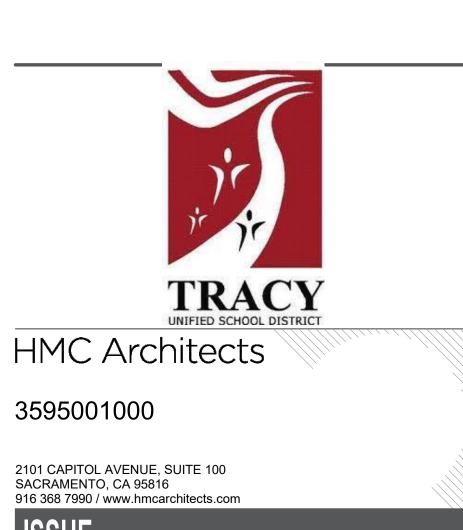


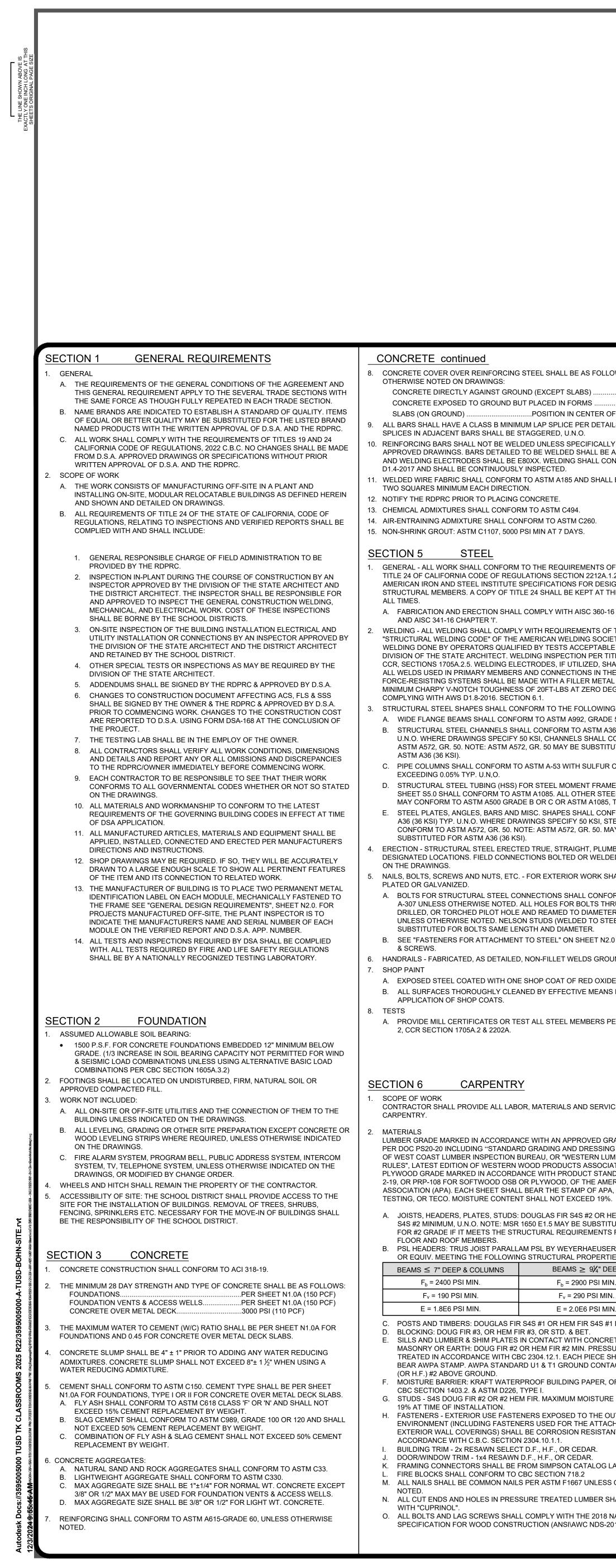
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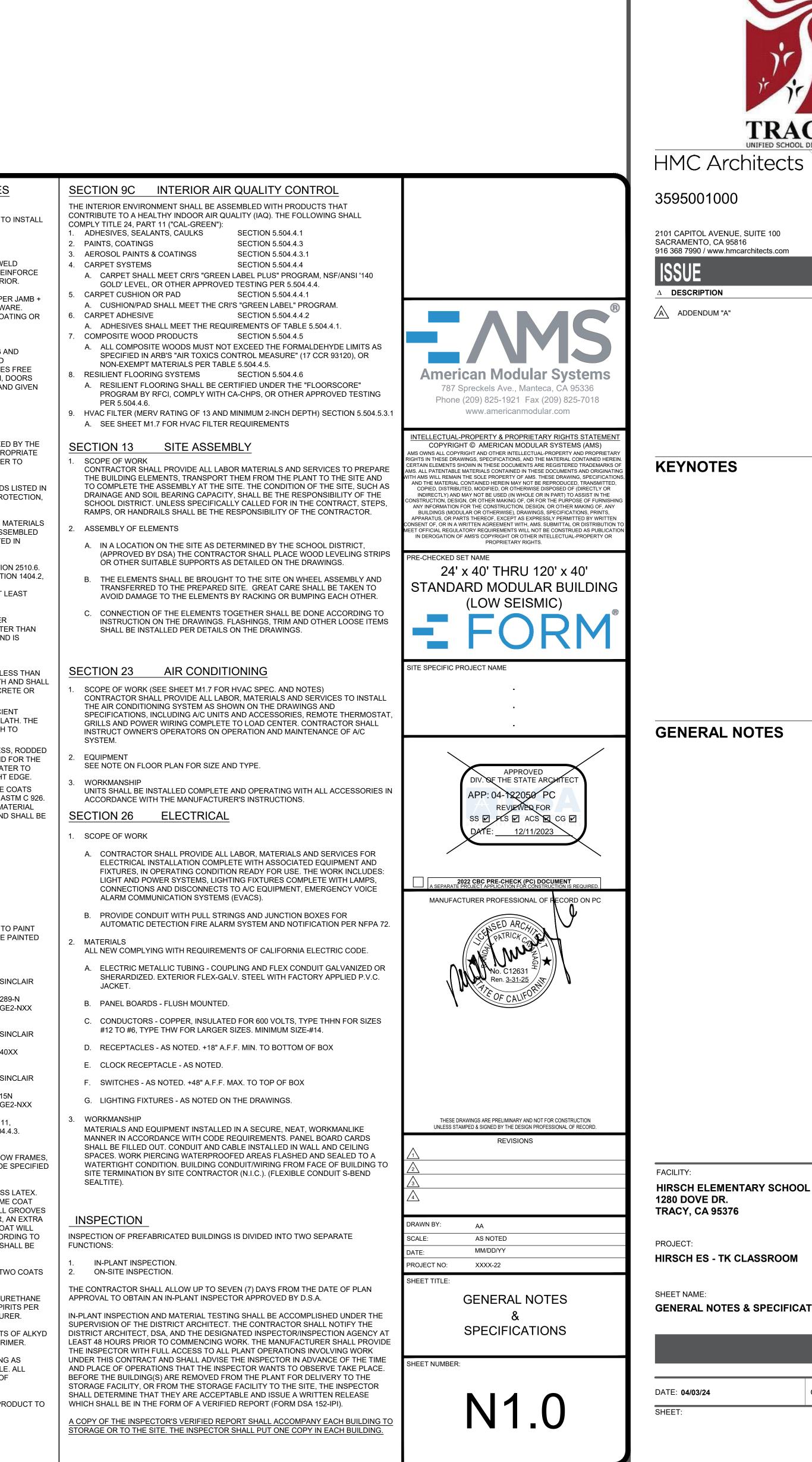
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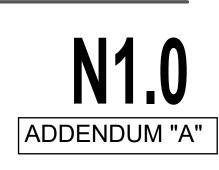
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		SECTION 8 HOLLOW METAL DOORS AND FRAMES
DWS, UNLESS 3"	P. HOLES FOR BOLTS IN WOOD SHALL BE BORED WITH A BIT OF THE SAME NOMINAL DIAMETER AS THE BOLT + 1/16".	<ol> <li>SCOPE OF WORK CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES THE HOLLOW METAL DOORS AND FRAMES.</li> </ol>
2" F SLAB	Q. HOLES FOR LAG SCREWS SHALL BE FIRST BORED TO THE SAME NOMINAL DIAMETER AND DEPTH AS THE SHANK. THE REMAINDER OF THE HOLE SHALL BE 40% TO 70% OF THE SHANK DIAMETER.	2. MATERIALS
LS 6 & 9/S1.4 AND	R. ALL BOLTS AND LAG SCREWS SHALL BE PROVIDED WITH METAL WASHERS	A. DOORS - INSULATED TYPE L FULL FLUSH, MANUFACTURED BY AMWE MANUFACTURING COMPANY, 18 GA. 1-3/4" THICK PER CS242 MIN, RE
Y DETAILED IN THE ASTM A706 BARS	UNDER HEADS AND NUTS WHICH BEAR ON WOOD. 3. WORKMANSHIP	FOR HARDWARE-BOTH FACES FOR CLOSER, SOUND DEADEN INTERI
NFORM WITH AWS	A. FRAMING - SECURELY NAILED, BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE. WORK CUT, FITTED AND ASSEMBLED LEVEL PLUMB AND TRUE TO LINE. TRIM IN AS LONG LENGTHS AS POSSIBLE WITH ALL STANDING TRIM IN ONE PIECE. TRIM SEALED AT ALL EDGES.	B. FRAMES - 16 GA COLD ROLLED, 2" FACES, CS242 MIN. 3 ANCHORS PE ADJUSTABLE FLOOR ANCHOR, EACH JAMB REINFORCE FOR HARDW. PROVIDE STRIKE BOX, PROVIDE SOUND DEADENING: 1/8" UNDERCO/ INSULATING FILL.
	B. NAILING - IN ACCORDANCE WITH TITLE 24, CALIFORNIA BUILDING CODE, TABLE 2304.10.1.	3. WORKMANSHIP ALL WORK FABRICATED IN SHOP TO REQUIRED PROFILES BY FORMING A
	C. EXTERIOR WALLS - FACTORY FABRICATED. CAULKING PROVIDED BETWEEN PERIMETER OF WALL AND STRUCTURAL MEMBERS PROVIDING WEATHER-PROOF AND WATER-TIGHT SEAL. NECESSARY CLOSERS, SEALS, AND FLASHINGS PLACED AT TOP AND BASE SUPPORT OF PANELS AND AROUND OPENINGS.	WELDING, WITH ARISES AND EDGES STRAIGHT, SHARP FIT FABRICATED ACCURATELY WITH SQUARE CORNERS, HAIRLINE JOINTS AND SURFACE FROM WARP, WAVE, BUCKLE OR OTHER DEFECTS AFTER FABRICATION, AND FRAMES CLEANED THOROUGHLY, ALL WELDS GROUND SMOOTH AN PRIME COAT.
F AISC 360-16, .2, AND THE	<ul><li>D. NAILS INTO P.T. LUMBER TO BE HOT DIPPED GALVANIZED.</li><li>E. MACHINE APPLIED NAILING: USE OF MACHINE NAILING IS SUBJECT TO A</li></ul>	(EXTERIOR PORTLAND
GN OF STEEL HE JOBSITE AT	SATISFACTORY JOBSITE DEMONSTRATION FOR EACH PROJECT AND THE APPROVAL BY THE RDPRC AND THE DIVISION OF THE STATE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE.	SECTION 9A STUCCO CEMENT PLASTER) LATHING AND PLASTERING MATERIALS AND ACCESSORIES SHALL BE MARKE
6 CHAPTER 'M' THE	MACHINE NAILING WILL NOT BE APPROVED IN 5/16" OSB. IF NAILHEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.	MANUFACTURER'S DESIGNATION TO INDICATE COMPLIANCE WITH THE APPR STANDARDS REFERENCED IN THIS SECTION AND STORED IN SUCH A MANNEL PROTECT THEM FROM THE WEATHER, PER C.B.C 2507.1.
ETY AND E TO THE TLE 24, PART 2,	F. MOISTURE BARRIER - APPLIED TO STUDS WEATHER-BOARD FASHION, HORIZONTAL JOINTS LAPPED MIN 6" INCLUDING BUILDING CORNERS.	LATHING AND PLASTERING MATERIALS SHALL CONFORM TO THE STANDARDS C.B.C. TABLE 2507.2 AND CHAPTER 35, AND, WHERE REQUIRED FOR FIRE PRO SHALL ALSO CONFORM TO THE PROVISIONS OF CHAPTER 7.
ALL BE E70XX. E LATERAL L THAT HAS A	SHEATHING APPLIED OVER MOISTURE BARRIER. G. TRIM SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM OR SIDING UNLESS TRANSPARENT TYPE.	GYPSUM BOARD AND GYPSUM PLASTER CONSTRUCTION SHALL BE OF THE N LISTED IN C.B.C. TABLES 2506.2 AND 2507.2. THESE MATERIALS SHALL BE ASS
GREES F AND	SECTION 7A SHEET METAL (NON-STRUCTURAL)	AND INSTALLED IN COMPLIANCE WITH THE APPROPRIATE STANDARDS LISTE TABLES 2508.1 AND 2511.1, AND CHAPTER 35 (PER 2508.1).
G: 50, TYP. U.N.O.	1. SCOPE OF WORK	WATER-RESISTIVE BARRIERS SHALL BE IN ACCORDANCE WITH C.B.C. SECTION WATER-RESISTIVE BARRIERS SHALL BE INSTALLED AS REQUIRED PER SECTION
6 (36 KSI) TYP. CONFORM TO UTED FOR	CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL INDICATED SHEET METAL. 2. MATERIALS	AND WHERE APPLIED OVER WOOD-BASED SHEATHING, SHALL INCLUDE A WATER-RESISTIVE VAPOR-PERMEABLE BARRIER WITH A PERFORMANCE AT I EQUIVALENT TO TWO LAYERS OF GRADE D PAPER.
CONTENT NOT	A. SHEET METAL - STEEL SHEETS HOT DIP GALVANIZED WITH 1.25 OZ. PER SQUARE FOOT ZINC COATING CONFORMING TO ASTM A653 MINIMUM 26 GA.	EXCEPTION: WHERE THE WATER-RESISTIVE BARRIER THAT IS APPLIED OVER WOOD-BASED SHEATHING HAS A WATER RESISTANCE EQUAL TO OR GREATE THAT 60-MINUTE GRADE D PAPER COMPLYING WITH ASTM E 2556, TYPE II AN
E COLUMNS PER EL TUBING (HSS) TYP UNO.	UNLESS OTHERWISE NOTED ON THE DRAWINGS. B. SOLDER - OF STAND, GRADE "A" OF EQUAL PARTS, ARD BRAND, LEAD AND TIN	SEPARATED FROM THE STUCCO BY AN INTERVENING, SUBSTANTIALLY NONWATER-ABSORBING LAYER OR DRAINAGE SPACE.
FORM TO ASTM TEEL SHALL	ASTM B32.	1. PLASTER NOTES: PLASTERING WITH CEMENT PLASTER SHALL NOT BE LE THREE COATS WHEN APPLIED OVER METAL LATH OR WIRE FABRIC LATH
AY BE	C. FLUX - ZINC SATURATED MURIATIC ACID. D. GUTTERS: 26 GA. G-90 GALV. STEEL	NOT BE LESS THAN TWO COATS WHEN APPLIED OVER MASONRY CONCR GYPSUM BACKING AS SPECIFIED IN SECTION 2510.5.
IB AND TO ITS ED AS INDICATED	DOWNSPOUTS: 2"x3" CONVOLUTED 30 GA. G-90 GALV. STEEL GUTTER ENDCAPS: 26 GA. G-90 GALV. STEEL GUTTER CLIPS: 18 GA. G-90 GALV. STEEL	A. THE FIRST COAT SHALL BE MIN. 3/8" THICK & APPLIED WITH SUFFICIE MATERIAL AND PRESSURE TO FILL SOLIDLY ALL OPENINGS IN THE L/ SURFACE SHALL BE SCORED HORIZONTALLY SUFFICIENTLY ROUGH
IALL BE CADMIUM	FLASHING: 22 GA. G-90 GALV. STEEL U.O.N.	PROVIDE ADEQUATE BOND TO RECEIVE THE SECOND COAT. B. THE SECOND COAT SHALL BE BROUGHT OUT TO MIN. 3/8" THICKNES
ORM TO ASTM RU STEEL TO BE IR OF BOLT +1/16" EEL) MAY BE	E. FASTENERS: SELF-DRILLING OR SELF-TAPPING SHEET METAL SCREWS. LENGTH TO HAVE (3) EXPOSED THREADS MIN.	AND FLOATED SUFFICIENTLY ROUGH TO PROVIDE ADEQUATE BOND FINISH COAT. THE SECOND COAT SHALL HAVE NO VARIATION GREAT THAN 1/4 INCH (6.4 mm) IN ANY DIRECTION UNDER 5-FOOT STRAIGHT
0 FOR SHOT PINS	<ol> <li>WORKMANSHIP</li> <li>SHEET METAL ACCURATELY FORMED TO DIMENSIONS AND SHAPES DETAILED WITH TRUE STRAIGHT LINES, CORNERS AND ANGLES. FLASHING INSTALLED IN LONGEST</li> </ol>	C. THE FINISH COATS SHALL BE MIN. 1/8" THICK & APPLIED OVER BASE THAT HAVE BEEN IN PLACE FOR THE TIME PERIODS SET FORTH IN A THE THIRD OR FINISH COAT SHALL BE APPLIED WITH SUFFICIENT MA
JND SMOOTH.	LENGTHS POSSIBLE. EXTERIOR WORK FORMED, FABRICATED AND INSTALLED SO THAT IT ADEQUATELY PROVIDES FOR EXPANSION AND CONTRACTION IN THE COMPLETED WORK AND FINISHES WATER AND WEATHER TIGHT. ALUMINUM SHALL BE SEPARATED FROM FERROUS METAL BY POLYETHYLENE TAPE OR FLOOD COAT	AND PRESSURE TO BOND TO AND TO COVER THE BROWN COAT AND OF SUFFICIENT THICKNESS TO CONCEAL THE BROWN COAT.
E PRIMER. S PRIOR TO	OF ASPHALTIC PAINT. SECTION 7B METAL ROOFING	
ER TITLE-24 PART	1. SCOPE OF WORK	
	CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL METAL ROOFING. 2. MATERIALS	SECTION 9B PAINTS & COATINGS 1. SCOPE OF WORK.
	A. ROOF SHALL BE CONSTRUCTED OF 3" STANDING SEAM INTERLOCKING (UN-PENETRATED) STEEL SHEETS.	CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES T BUILDING. ALL EXPOSED SURFACES OF BUILDING AND RAMPS SHALL BE
	<ul><li>B. PROPERTIES INCLUDING THICKNESS SHALL BE PER SHEET S0.0.</li><li>C. BASE MATERIAL SHALL BE EITHER ASTM A1011 SS, GRADE 36 (Fy = 36 KSI)</li></ul>	EXCEPT ALUMINUM WINDOW FRAMES, THRESHOLDS, AND ROOFING. 2. MATERIALS
CES TO INSTALL	OR ASTM A653 SS, GRADE 37 (Fy = 37 KSI) AND SHALL BE GALVANIZED WITH G90 GALVANIZATION.	A. FOR EXTERIOR WOOD: REF.BRAND DUNN KELLY SHERWIN SI EDWARDS MOORE WILLIAMS
	D. SHEETS MAY BE PAINTED. E. CLASS B FIRE RATED.	PRIMER         42-9M         1240         Y24W20         28           FINISH         QD-60-XX         1240-XXX         B54WZ102         G
RADING AGENCY G RULES NO. 17"	F. CLIP ANGLES SHALL BE HOT-DIPPED GALVANIZED. G. FASTENERS SHALL BE EXTERIOR USE SCREWS WITH A CORROSION PROTECTIVE COATING PER THE "FASTENERS FOR ATTACHMENT TO STEEL" SECTION ON	B. FOR INTERIOR TRIM: <i>REF.BRAND</i> DUNN KELLY SHERWIN SI
MBER GRADING ATION. OSB OR IDARD PS 1-19, PS	SHEET N2.0. ALL SCREWS USED FOR METAL ROOFING ATTACHMENT SHALL HAVE A NEOPRENE OR EPDM WASHER.	EDWARDS MOORE WILLIAMS FINISH W450-XX 1650-XXX A26W11 40
RICAN PLYWOOD	SECTION 7C SEALANT	C. FOR METAL: REF.BRAND DUNN KELLY SHERWIN SI
EM FIR	CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL AND SERVICES TO SEAL BUILDINGS.	EDWARDS MOORE WILLIAMS PRIMER 43-4 1710 B50NZ6 15 FINISH 10-XX 1700-XXX B54WZ102 G
UTED FOR	2. MATERIALS VULKEM SEALANT, POLYURETHANE, MANUFACTURED BY MAMECO	D. INTERIOR PAINT & COATINGS SHALL COMPLY WITH TITLE 24, PART 1 "CAL-GREEN" SECTION 5.504.4.3, AND V.O.C. LIMITS PER TABLE 5.504
R (ICC ESR-1387) ES: EP	INTERNATIONAL FOR ROOFS. "GEOCEL" SILICONIZED CAULK, GE, DUPONT, EAGLESEAL OR DAP FOR ALL OTHER APPLICATIONS, OR EQUAL. A. SEALANT V.O.C. LIMITS PER SCAQMD RULE 1168 (AS SHOWN IN TITLE 24,	3. WORKMANSHIP ALL EXPOSED SURFACES SHALL BE PAINTED EXCEPT ALUMINUM WINDO
N.	PART 11, TABLE 5.504.4.1 AND TABLE 5.504.4.2) 3. WORKMANSHIP	THRESHOLDS AND METAL ROOFING. MATERIAL SHALL BE OF THE GRADE OR EQUAL.
N. I MIN.	S. WORKMANSHIP SEALANT APPLIED TO DRY CLEAN SURFACES, WHEREVER INDICATED ON DETAILS AND AS NEEDED TO MAKE BUILDING WATERTIGHT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.	A. EXTERIOR WOOD SIDING, TRIM AND SKIRTING - FLAT OR SEMI-GLOS APPLY ONE COAT OF PRIME AND AT LEAST ONE FINISH COAT. PRIM SHALL BE BRUSHED ON OR SPRAYED AND BACK BRUSHED INTO ALL IN THE SIDING. IF NECESSARY, IN THE OPINION OF THE INSPECTOR,
ETE, URE	SECTION 7D SINGLE-PLY ROOFING	COAT SHALL BE APPLIED TO ALL GROOVES SO THAT THE FINISH CO HAVE A UNIFORM APPEARANCE. ALLOW PRIME COAT TO DRY ACCOR MANUFACTURER'S RECOMMENDATION. PRIME AND FINISH COATS SI
HALL ACT, D.F.	1. <u>SCOPE OF WORK</u> CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL AND SERVICES TO INSTALL SINGLY-PLY OR BUILT-UP ROOFING. THE ROOFING SYSTEM SHALL WITHSTAND	COMPATIBLE AND MANUFACTURED BY THE SAME COMPANY.
DR 15 LB. FELT,	THE UPLIFT OF 100 MPH BASIC WIND SPEED. 2. <u>MATERIALS</u>	B. INTERIOR TRIM - TRIM NOT PRE-COATED SHALL BE PAINTED WITH TW OF SEMI-GLOSS LATEX OVER PRIMER.
E CONTENT OF UTSIDE CHMENT OF	MEMBRANE: PVC FILM LAMINATED TO BOTH SIDES OF A REINFORCEMENT FABRIC, OR EQUIV PROPRIETARY THERMOPLASTIC PVC FORMULATION OF RESINS, PLASTICIZERS, STABILIZERS, BIOCIDES, FLAME RETARDANTS, AND U.V.	C. INTERIOR HARDWOOD CABINETS - TWO COATS LOW LUSTER POLYU FINISH. APPLY FIRST COAT THINNED WITH ONE QUART MINERAL SPI GALLON. APPLY SECOND COAT AS RECOMMENDED BY MANUFACTU
NT IN	ABSORBENTS. CLASS B FIRE RATING. A. WOOD NAILERS MUST BE A #2 GRADE LUMBER, OR EQUIVALENT, TO SUBSTRATE.	D. METAL - ALL METAL SURFACES SHALL BE PAINTED WITH TWO COATS FINISH COAT OVER ZINC CHROMATE OR EQUAL RUST INHIBITING PR
ATEST ED.	3. <u>WORKMANSHIP</u> MEMBRANE APPLIED ON SUBSTRATES THAT ARE DRY, CLEAN, AND FREE OF FINS, SHARP EDGES AND LOOSE, FOREIGN MATERIALS, WHEREVER INDICATED ON	E. RAMP - ONE COAT OF FERROX NON-SLIP (0.8 MIN. C.O.F.) SURFACING MANUFACTURED BY AMERICAN ABRASIVE METALS OR COMPARABLE
OTHERWISE	DETAILS. AN INSULATION OR SLIP SHEET HAVING AN APPROVED FACER MUST BE USED WHEN ROOFING OVER ASPHALT OR COAL TAR ROOFS.	PAINTS OF THE TYPE INDICATED SHALL BE LISTED ON THE STATE OF CALIFORNIA QUALIFIED PRODUCTS LIST, OR EQUAL.
	<ol> <li><u>TESTING:</u></li> <li>A. MEMBRANE SHALL BE DESIGNED TO PERFORM IN ALL TYPES OF WEATHER AND SHALL COMPLY TO ASTM D-2136 TESTING METHODS.</li> </ol>	F. SUBMIT ONE SET OF COLOR SAMPLES TO THE RDPRC FOR EACH PR ASSIST IN SELECTION.
NATIONAL DESIGN 018).	<ul> <li>B. MEMBRANE SHALL BE DESIGNED IN ACCORDANCE TO ASTM D-4434 "STANDARD SPECIFICATIONS FOR POLY (VINYL CHLORIDE) SHEET ROOFING" AND BE CLASSIFIED AS A TYPE IV, INTERNALLY REINFORCED SHEET.</li> </ul>	



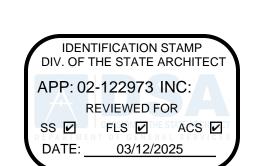


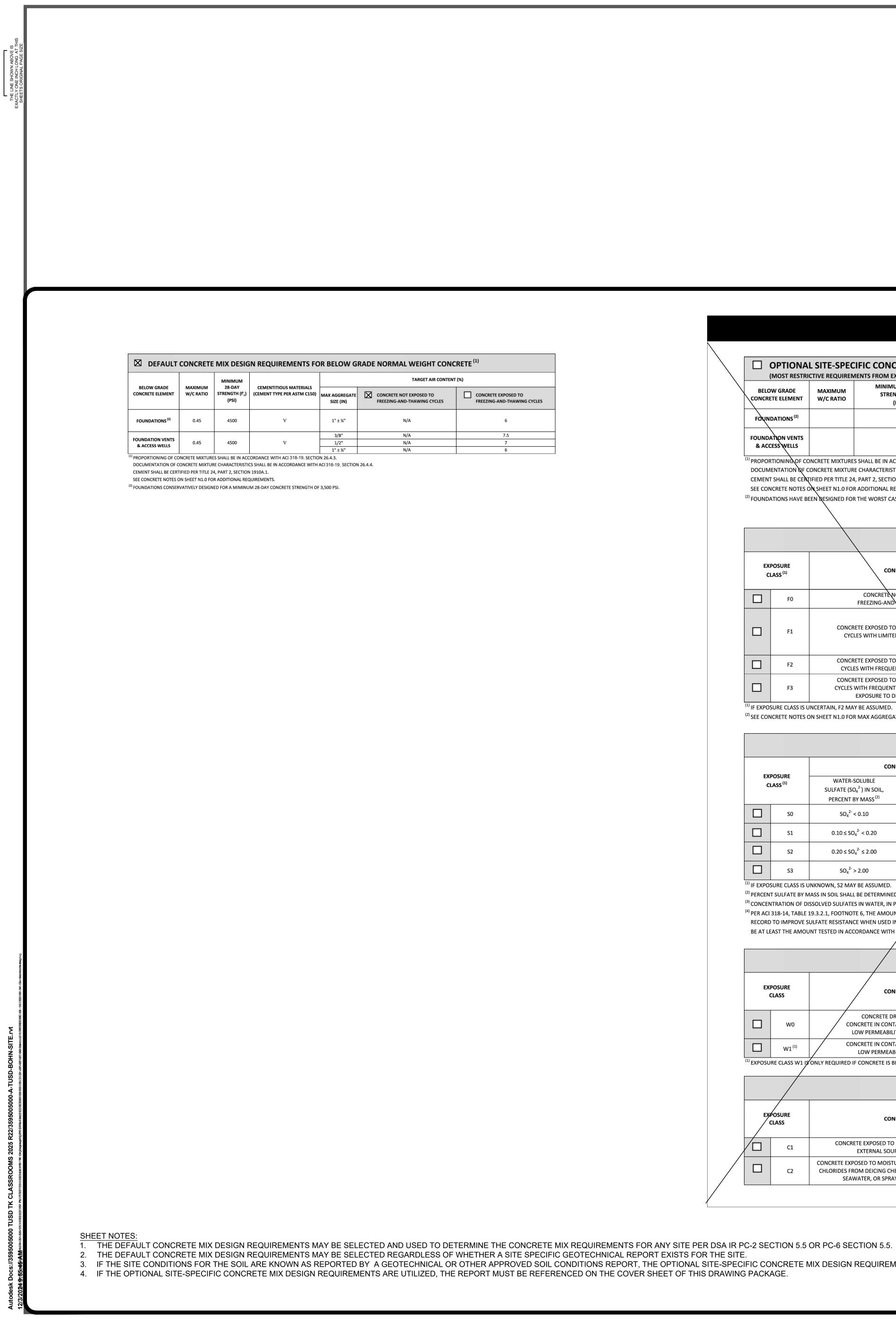
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**GENERAL NOTES & SPECIFICATIONS** 

ΓRACY **HMC** Architects

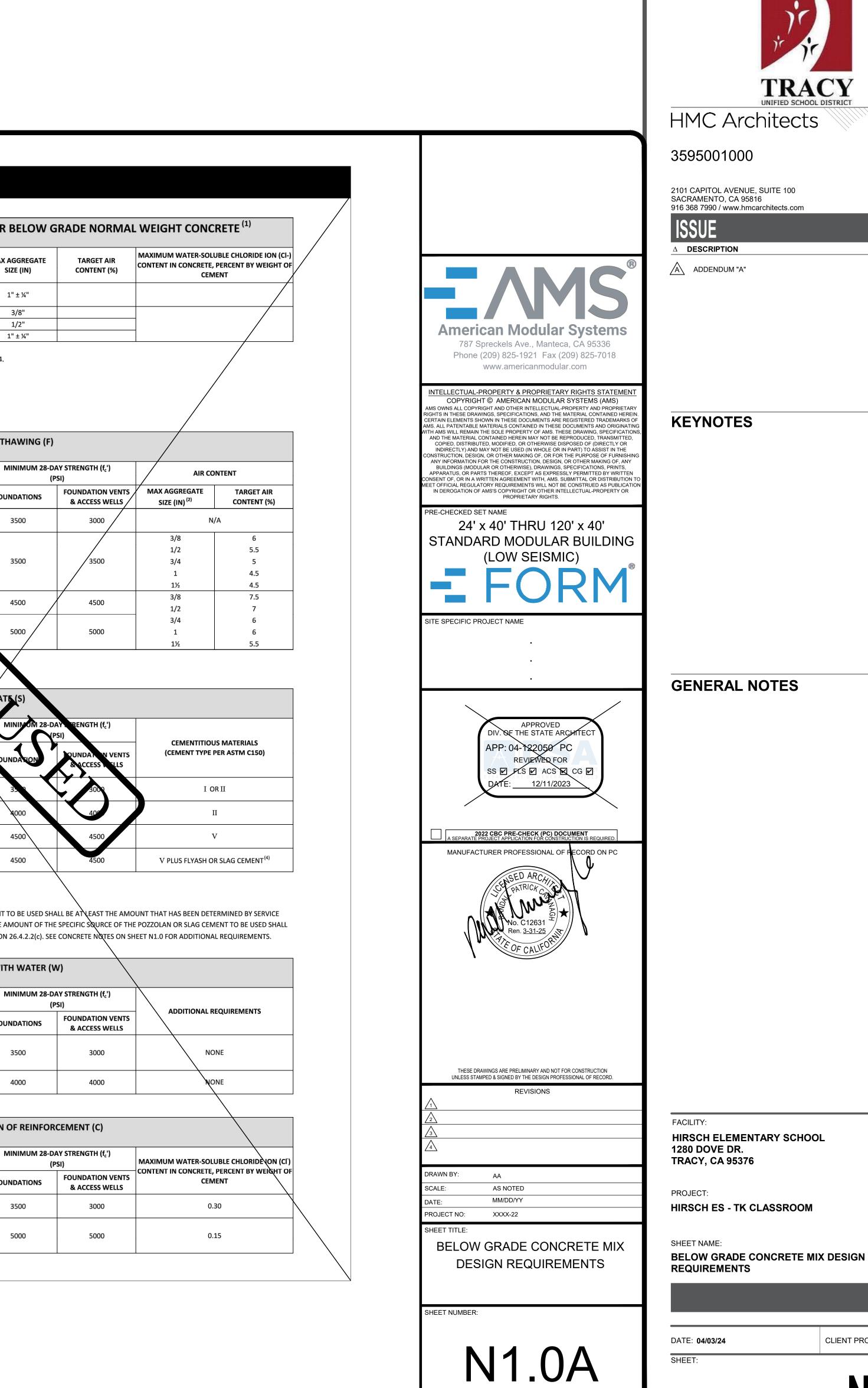
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### OPTIONAL SITE-SPECIFIC CONCRETE MIX DESIGN REQUIREMENTS FOR BELOW GRADE NORMAL WEIGHT CONCRETE (1) (MOST RESTRICTIVE REQUIREMENTS FROM EXPOSURE TABLES BELOW) **MINIMUM 28-DAY** CEMENTITIOUS MATERIALS MAX AGGREGATE BELOW GRADE MAXIMUM STRENGTH (f'c) (CEMENT TYPE PER ASTM C150) CONCRETE ELEMENT W/C RATIO SIZE (IN) (PSI) 1" ± ¼" FOUNDATIONS<sup>(2)</sup> 3/8" FOUNDATION VENTS 1/2" & ACCESS WELLS 1" ± ¼" <sup>(1)</sup> PROPORTIONING OF CONCRETE MIXTURES SHALL BE IN ACCORDANCE WITH ACI 318-19, SECTION 26.4.3. DOCUMENTATION OF CONCRETE MIXTURE CHARACTERISTICS SHALL BE IN ACCORDANCE WITH ACI 318-14, SECTION 26.4.4. CEMENT SHALL BE CENTIFIED PER TITLE 24, PART 2, SECTION 1910A.1. SEE CONCRETE NOTES ON SHEET N1.0 FOR ADDITIONAL REQUIREMENTS. <sup>(2)</sup> FOUNDATIONS HAVE BEEN RESIGNED FOR THE WORST CASE MIMINUM 28-DAY CONCRETE STRENGTH OF 3,500 PSI. EXPOSURE CATEGORY: FREEZING & THAWING (F) (ACI 318-19, SECTION 19.3) EXPOSURE MAXIMUM CONDITION CLASS<sup>(1)</sup> W/C RATIO FOUNDATIONS CONCRETENOT EXPOSED TO FO 0.55 3500 FREEZING-AND THAWING CYCLES CONCRETE EXPOSED TO FREEZING-AND-THAWING F1 0.55 3500 CYCLES WITH LIMITED EXPOSURE TO WATER CONCRETE EXPOSED TO FREEZING-AND-THAWIN F2 4500 CYCLES WITH FREQUENT EXPOSURE TO V CONCRETE EXPOSED TO FREEZING-AND-F3 CYCLES WITH FREQUENT EXPOSURE TO W 5000 EXPOSURE TO DEICING CHEMICALS <sup>(1)</sup> IF EXPOSURE CLASS IS UNCERTAIN, F2 MAY BE ASSUMED. <sup>(2)</sup> SEE CONCRETE NOTES ON SHEET N1.0 FOR MAX AGGREGATE SIZES. ONY: SULFATE (S) EXPOSU SECTION 19.3 (ACI MINIMUM 28-DA CONDITION EXPOSURE WATER-SOLUBLE W/CRATIO CLASS<sup>(1)</sup> DISSOLVED SULFATE (SO4<sup>2-</sup>) SULFATE (SO<sub>4</sub><sup>2-</sup>) IN SOIL, IN WATER, PPM <sup>(3)</sup> PERCENT BY MASS<sup>(2)</sup> 0.55 $SO_4^{2-} < 0.10$ SO4<sup>2-</sup> < 150 SO $150 \le SO_4^{2-} < 1500$ $0.10 \le SO_4^{2-} < 0.20$ 0.50 S1 OR SEAWATER $0.20 \le SO_4^{2-} \le 2.00$ 0.45 S2 $1500 \le SO_4^{2-} \le 10,000$ 0.45 S3 $SO_4^{2-} > 2.00$ $SO_4^{2-} > 10,000$ 4500 <sup>(1)</sup> IF EXPOSURE CLASS IS UNKNOWN, S2 MAY BE ASSUMED. <sup>(2)</sup> PERCENT SULFATE BY MASS IN SOIL SHALL BE DETERMINED BY ASTM C1**2**80. <sup>(3)</sup> CONCENTRATION OF DISSOLVED SULFATES IN WATER, IN PPM, SHALL BE DETERMINED BY ASTM D516 OR ASTM D4130. <sup>(4)</sup> PER ACI 318-14, TABLE 19.3.2.1, FOOTNOTE 6, THE AMOUNT OF THE SPECIFIC SOURCE OF THE POZZOLAN OR SLAG CEMENT TO BE USED SHALL BE AT LEAST THE AMOUNT THAT HAS BEEN DETERMINED BY SERVICE RECORD TO IMPROVE SULFATE RESISTANCE WHEN USED IN CONCRETE CONTAINING TYPEV CEMENT. ALTERNATIVELY, THE AMOUNT OF THE SPECIFIC SQURCE OF THE POZZOLAN OR SLAG CEMENT TO BE USED SHALL BE AT LEAST THE AMOUNT TESTED IN ACCORDANCE WITH AS M C1012 AND MEETING THE CRITERIA IN ACI 318-14, SECTION 26.4.2.2(c). SEE CONCRETE NOTES ON SHEET N1.0 FOR ADDITIONAL REQUIREMENTS. EXPOSURE CATEGORY: IN CONTACT WITH WATER (W) (ACI 318-19, SECTION 19.3) EXPOSURE MAXIMUM CONDITION CLASS W/C RATIO FOUNDATIONS CONCRETE DRY IN SERVICE OR W0 CONCRETE IN CONTACT WITH WATER AND 0.55 3500 LOW PERMEABILITY IS NOT REQUIRED CONCRETE IN CONTACT WITH WATER AND W1<sup>(1)</sup> 0.50 4000 LOW PERMEABILITY IS REQUIRED <sup>(1)</sup> EXPOSURE CLASS W1 19 ONLY REQUIRED IF CONCRETE IS BELOW THE GROUNDWATER TABLE. EXPOSURE CATEGORY: CORROSION PROTECTION OF REINFORCEMENT (C) (ACI 318-19, SECTION 19.3) EXPOSURE MAXIMUM / CLASS W/C RATIO FOUNDATIONS CONCRETE EXPOSED TO MOISTURE BUT NOT TO AN C1 0.55 3500 EXTERNAL SOURCE OF CHLORIDES CONCRETE EXPOSED TO MOISTURE AND AN EXTERNAL SOURCE OF C2 CHLORIDES FROM DEICING CHEMICALS, SALT, BRACKISH WATER, 0.40 5000 SEAWATER, OR SPRAY FROM THESE SOURCES

3. IF THE SITE CONDITIONS FOR THE SOIL ARE KNOWN AS REPORTED BY A GEOTECHNICAL OR OTHER APPROVED SOIL CONDITIONS REPORT, THE OPTIONAL SITE-SPECIFIC CONCRETE MIX DESIGN REQUIREMENTS MAY BE UTILIZED.





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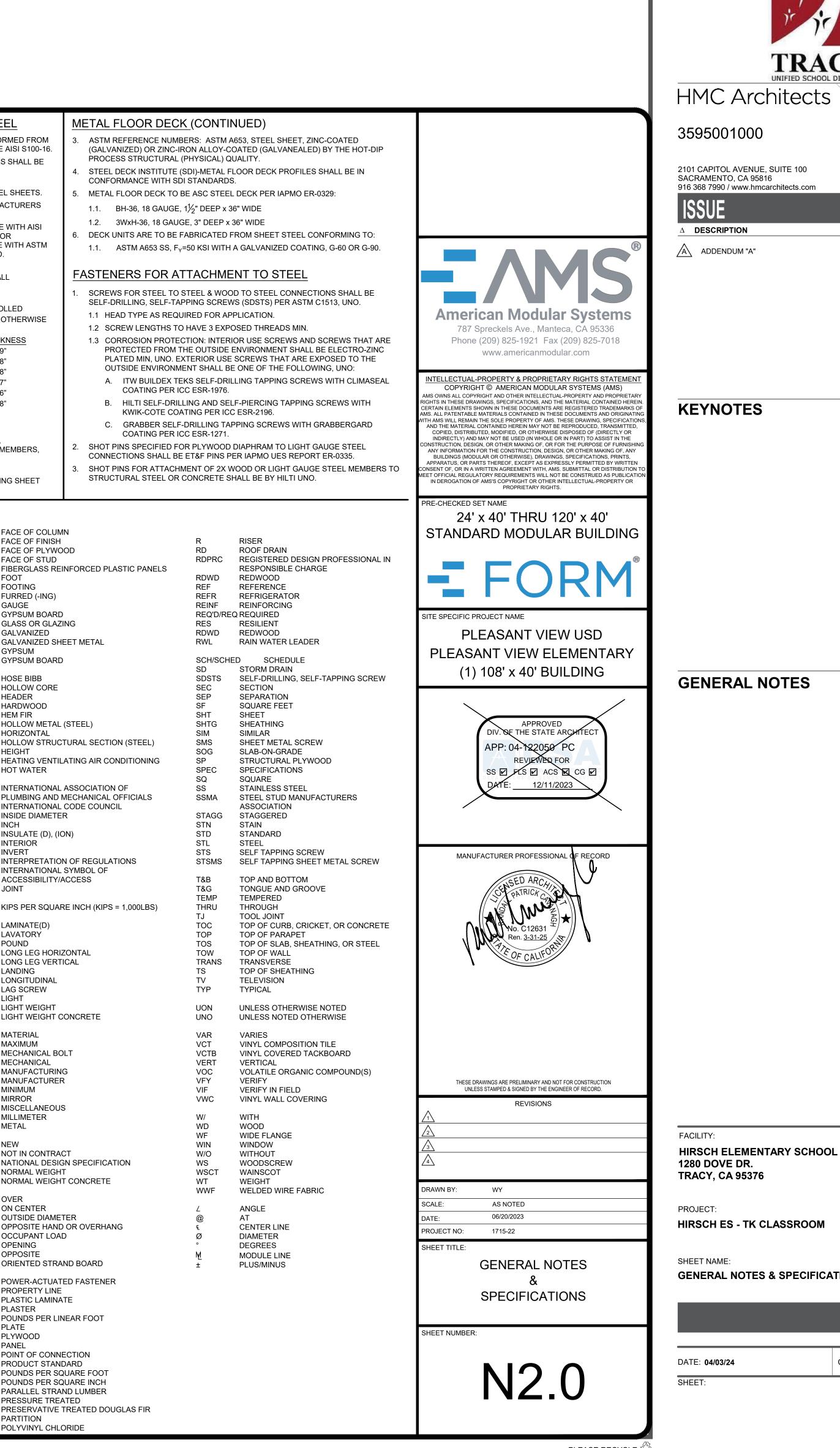
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IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-122973 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 03/12/2025

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THE LINE SHOWN ABOVE IS EXACTLY ONE INCH LONG AT THIS SHEETS ORIGINAL PAGE SIZE		
	COORDINATION OF WORK	INTERIOR
	THE CONTRACTOR IS RESPONSIBLE FOR MAKING ALL NECESSARY ARRANGEMENTS WITH THE SCHOOL DISTRICT AUTHORIZED REPRESENTATIVE FOR ACCESS TO GROUNDS AND REMOVAL OF EQUIPMENT, IF NECESSARY. THIS CONTACT SHALL BE MADE AT LEAST 48 HOURS PRIOR TO DELIVERY OF ANY MODULE. ON-SITE INSPECTION SHALL BE DONE BY THE SITE INSPECTOR. ALL WORK WHICH THE MANUFACTURER OR HIS SUBCONTRACTORS PERFORM AT THE SITE SHALL BE SUBJECT TO THE INSPECTION OF THE SITE INSPECTOR. THE MANUFACTURER WILL FURNISH THE SITE INSPECTOR WITH SUCH INFORMATION AS MAY BE NECESSARY TO KEEP HIM FULLY INFORMED AS TO PROGRESS OF WORK AND DATES WHEN SITE WORK WILL OCCUR. THE CONTRACTOR SHALL NOTIFY THE INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK.	<ol> <li>FLOOR COVERING: PER CBC SECTION 804, COMPLY WITH NFPA 253 CLASS COMPLY WITH ASTM E 648 FOR SPECIFIC OPTICAL DENSITY SMOKE RATIN EXCEED 450. IN EXIT PASSAGEWAYS OR CORRIDORS, THE MINIMUM CRITI RADIANT FLUX (CBC 804.4.2) SHALL NOT BE LESS THAN CLASS II. (CARPET SECURELY ATTACHED, HAVE FIRM CUSHION, PAD OR BACKING, OR NONE PILE YARN SHALL BE BRANDED NYLON AND HAVE A LEVEL LOOP, TEXTUR LEVEL-CUT PILE OR LEVEL-CUT/UNCUT PILE TEXTURE. THE MAXIMUM PILE SHALL BE 1/2" INCH. NO CROSS SEAMS SHALL BE ALLOWED. THE CARPET SHALL BE 4600 MINIMUM. CARPET EDGE TRIM SHALL COMPLY WITH SECTI 11B-303. COLOR TO BE SELECTED BY THE RDPRC OR OWNER.)</li> </ol>
	THE CONTRACTOR SHALL VERIFY THAT THE DISTRICT'S SITE IS READY TO RECEIVE THE CLASSROOM(S) PRIOR TO THE DELIVERY OF ANY CLASSROOM(S) BY VISITING EACH SITE (THIS MAY BE DONE BY THE INSPECTOR).	2. BASE: RESILIENT COVE BASE - BEST QUALITY, MOULDED RUBBER, 1/8" THI HIGH MOULDED TOP SET COVE. PROVIDE PREFORMED BASE FOR SQUARE EXTERNAL CORNERS AND PREFORMED END STOPS WHERE BASE DOES N SOLID COLOR AS MANUFACTURE BY "JOHNSONITE CO.", FLEXCO, OR EQU COVE TO COMPLETE PERIMETER OF CLASSROOM.
	<ol> <li>MATERIALS AND WORKMANSHIP</li> <li>ALL CONTRACTORS SHALL CERTIFY THAT NO ASBESTOS-CONTAINING BUILDING MATERIALS WHICH EXCEED STATE AND FEDERAL MANDATED SAFE ASBESTOS LEVELS HAVE BEEN USED IN THE CONSTRUCTION OF RELOCATABLE FACILITIES.</li> <li>ALL WORKMEN SHALL BE SKILLED AND QUALIFIED FOR THE WORK WHICH THEY PERFORM. ALL MATERIALS USED, UNLESS OTHERWISE SPECIFIED, SHALL BE NEW</li> </ol>	3. INTERIOR WALLS SHALL BE VINYL COVERED TACKBOARD (U.O.N.) APPLIED CONTINUOUS LENGTH FROM FLOOR TO CEILING. THE TACKBOARD SHALL INDUSTRIAL INSULATION BOARD MANUFACTURED SPECIFICALLY AS A SUE FOR VINYL COVERED WALL PANELS. THE BOARD SHALL BE ASPHALT FREE HAVE AN IRONED-ON COATING AND SHALL HAVE A MINIMUM DENSITY OF PER FOOT. THE VINYL COATING SHALL BE MADE OF VIRGIN VINYL CALEND BASE COLOR, WEIGHING A MINIMUM OF 8 OZ. PER SQUARE YARD. THE CO BACKING SHALL BE SHEETING OR NON-WOVEN FABRIC. THE VINYL COATIN BE MECHANICALLY LAMINATED, WITH THE LONG EDGES WRAPPED, TO TH
	<ul> <li>AND OF THE TYPES AND GRADES SPECIFIED. THE CONTRACTOR SHALL, IF REQUESTED, FURNISH EVIDENCE SATISFACTORY TO THE RDPRC THAT SUCH IS THE CASE.</li> <li>3. CONTRACTOR'S CREWS ASSIGNED TO ANY WORK PERFORMED UNDER THIS CONTRACT SHALL INCLUDE ONE COMPETENT AND FULLY EXPERIENCED PERSON DESIGNATED AS THE RESPONSIBLE PERSON IN CHARGE. SUCH PERSON MUST BE IDENTIFIED BY NAME TO THE DISTRICT IN ADVANCE OF ANY WORK. UPON REQUEST,</li> </ul>	TACKBOARD. TACKBOARD SHALL BE APPLIED OVER 1/2" SHEETROCK OR O SHEATHING. THE VINYL WALL COVERED PANEL SHALL HAVE A CLASS 'C' R (PER ASTM E 84 OR UL 723). FLAME SPREAD/SMOKE DEVELOPED INDEX M PER NOTE #6 BELOW. THE PANEL SHALL BE APPROVED FOR CLASSROOM THE CALIFORNIA STATE FIRE MARSHAL. REFERENCE BRAND: VINYL COVE TACKBOARD AS MANUFACTURED BY CHATFIELD-CLARKE OR COMPARABL SHALL BE TAKEN IN MOUNTING THE TACKBOARD SO THAT THE TEXTURE O PANELS WILL HAVE THE SAME ORIENTATION AND COLOR MATCH. TACKBO FLAME SPREAD: 126.6 & SMOKE DEVELOPMENT: 45
	<ul> <li>THE CONTRACTOR SHALL PROMPTLY FURNISH TO THE DISTRICT INFORMATION RELATING TO THIS EMPLOYEE'S EXPERIENCE.</li> <li>4. WORKMANSHIP SHALL BE EQUAL OR BETTER IN QUALITY TO THAT REQUIRED BY THE CONSTRUCTION TRADES FOR A FINISHED PRODUCT. A QUALITY CONTROL SUPERVISOR, DESIGNATED BY THE MANUFACTURER, SHALL REVIEW ALL WORK IN PROGRESS AND SHALL REVIEW THE FINISHED BUILDING PRIOR TO FINAL INSPECTION TO ASSURE IT IS COMPLETE AND CORRECT. THE QUALITY CONTROL SUPERVISOR SHALL HAVE THE AUTHORITY TO HAVE MATERIALS REPLACED AND</li> </ul>	<ul> <li>4. CEILING: SUSPENDED T-BAR SYSTEM, SEE SHEET M1.4 FOR DETAILS, MAT AND INSTALLATION PER ASTM C635, ASTM C636, ASTM E580, AND DSA-IR 2 APPLICABLE TO CLASSROOMS. PANELS SHALL BE 5/8" MINIMUM THICK, MI FIBERBOARD OR VINYL-FACED FIBERGLASS LAY-IN PANELS, SQUARE EDG REFLECTION 75% MINIMUM. NOISE REDUCTION COEFFICIENT OF 0.65 MINI ASTM E 84 TESTED, RATED CLASS 'C': FLAME SPREAD INDEX NOT TO EXCE SMOKE DEVELOPED INDEX RATING NOT TO EXCEED 450.</li> </ul>
	WORK REDONE IN ORDER TO CORRECT FAULTY MATERIALS OR WORKMANSHIP.	<ol> <li>5. THE INTERIOR ENVIRONMENT SHALL BE ASSEMBLED WITH PRODUCTS TH CONTRIBUTE TO A HEALTHY INDOOR AIR QUALITY (IAQ). THE FOLLOWING COMPLY TITLE 24, PART 11 ("CAL-GREEN"), SECTION 5.504.4. (SEE SHEET N1.0, SECTION 9C "INTERIOR AIR QUALITY CONTROL")</li> <li>6. FLAME SPREAD/SMOKE-DEVELOPED INDEX (TESTED IN ACCORDANCE WIT</li> </ol>
	<ol> <li>UP TO <u>TEN (10) MODULES</u>, APPROXIMATELY <u>12' x 40'</u>, DESIGNED SO THAT <u>TWO (2)</u> OR MORE MODULES MAY BE JOINED TOGETHER TO FORM A COMPLETE STRUCTURE, TO MAINTAIN A POSITIVE ALIGNMENT OF FLOORS, WALLS, AND ROOF, AND TO PERMIT SIMPLE NON-DESTRUCTIVE DETACHMENT FOR FUTURE RELOCATION.</li> </ol>	84 OR UL 723, PER CBC 803.1.1):WALL FINISH MATERIAL (CLASS 'C')PIPE INSULATION (CLASS 'AFLAME SPREAD MAX = 200FLAME SPREAD MAX = 25SMOKE DEVELOPED MAX = 450SMOKE DEVELOPED MAX = 450BUILDING INSULATION (CLASS 'A')DUCT INSULATION (CLASS 'A')
	<ol> <li>EACH MODULE SHALL BE PERMANENTLY IDENTIFIED WITH (2) IMPRINTED (STAMPED, NOT ENGRAVED) METAL IDENTIFICATION TAGS 3"x1-1/2" MINIMUM SIZE WITH THE FOLLOWING INFORMATION:         <ul> <li>MANUFACTURER'S NAME AND BUILDING SERIAL NUMBER.</li> <li>DESIGN WIND SPEED / EXPOSURE</li> </ul> </li> </ol>	FLAME SPREAD MAX = 25       FLAME SPREAD MAX = 25         SMOKE DEVELOPED MAX = 450       SMOKE DEVELOPED MAX = 450         7. TOILET PARTITIONS: SOLID PLASTIC BY ACCURATE PARTITIONS CORP.         OR EQUIVALENT w/ FLOOR ANCHORS, OVERHEAD BRACED OR         EQUIVALENT. MINIMUM FLAME SPREAD RATING: 50. MINIMUM SMOKE
	<ul> <li>C. DESIGN WIND OF LED FEX OCONE</li> <li>C. DESIGN SEISMIC S<sub>DS</sub> VALUE</li> <li>D. DESIGN ROOF LIVE LOAD &amp; SNOW LOAD.</li> <li>E. DESIGN FLOOR LIVE LOAD</li> <li>F. D.S.A. APPLICATION NUMBER</li> </ul> 3. 2-TAGS PER MODULE: ONE ON EXTERIOR, AND ONE ON MODULE BEAM AT FRONT OF BUILDING ABOVE CEILING.	<ul> <li>DEVELOPMENT RATING: 450. (BY OTHERS)</li> <li>8. INTERIOR VENTILATION: EAVE VENTS AND ATTIC VENTS SHALL BE PROVID CORROSION-RESISTANT WIRE CLOTH SCREENING, HARDWARE CLOTH, PERFORATED VINYL OR SIMILAR MATERIAL WITH OPENINGS HAVING A LEAD DIMENSION OF NOT LESS THAN 1/16" AND NOT MORE THAN 1/4" INCH, PER SECTION 1202.2.2.</li> </ul>
	4. EACH MODULE SHALL BE CAPABLE OF RESISTING ALL VERTICAL AND LATERAL LOADS DURING TRANSPORTATION AND RELOCATION. (NORMAL INDUSTRY PRACTICE FOR BRACING MODULES DURING TRANSPORTATION AND RELOCATIONS IS ACCEPTABLE.) WHEN MODULES ARE ASSEMBLED JOINTS SHALL BE SEALED WITH REMOVABLE CLOSING STRIPS OR OTHER METHOD TO PRESENT A FINISHED APPEARANCE AND BE PERMANENTLY WATERPROOF.	DOORS & WINDOWS
	5. EACH MODULE SHALL BE SUFFICIENTLY RIGID TO BE JACKED UP AT THE FRONT AND BACK CORNERS FOR RELOCATION WITHOUT DAMAGE OR THE MODULE SHALL HAVE LIFT LUGS AT FRONT AND BACK LOCATED AS REQUIRED SO THAT THE MODULE MAY BE JACKED UP FOR RELOCATION IN ONE PIECE WITHOUT ADDITIONAL SUPPORTS OF ANY TYPE. EVIDENCE OF EXCESSIVE BOWING DURING THE INSTALLATION OF THE MODULES WHICH, IN THE OPINION OF THE RDPRC, CAUSES EXCESSIVE WORKING AT ANY JOINT OR COMPROMISES THE STRUCTURAL INTEGRITY OF THE MODULE SHALL BE SUFFICIENT REASON FOR REJECTION OF THE MODULE.	<ol> <li>EXTERIOR DOORS: METAL DOORS - 3'-0"x7'-0" HOLLOW METAL DOOR CONSTRUCTION OF 1 SHEET OF 18 GA. GRADE II STEEL ASSEMBLED PER O MINIMUM, AND REINFORCED WITH 20 GA. MINIMUM. FILL DOOR SPACES W MINERAL WOOL OR OTHER INSULATION. (REINFORCE BOTH FACES FOR C PROVIDE FLUSH TOP ON DOORS. HARDWARE REINFORCEMENT SHALL BE MIN FOR HINGES, DOOR FRAME SHALL BE 16 GA. PRESSED STEEL FRAME A366 &amp; C5242. HARDWARE REINFORCEMENT SHALL BE 10 GA. PLATE. FRAM SHALL BE DESIGNED WITH INTEGRAL STOP AND TRIM. PROVIDE (3) ANCHOR</li> </ol>
N2CBanGlant Akal Akadi kegaluvg	<ol> <li>FINISH AND BASE MATERIALS AT EACH MODULE SHALL TERMINATE AT INTERIOR MODULE JOINTS IN A MANNER TO JOIN FLUSH AND TIGHT WITH SAME MATERIAL IN ADJACENT MODULE SO THE MODULE MAY BE RELOCATED WITH MINIMUM CUTTING AND PATCHING.</li> </ol>	<ul> <li>JAMB PLUS ADJUSTABLE FLOOR ANCHOR. ROOMS WITH AN OCCUPANT LC FIVE OR MORE SHALL HAVE DOOR HARDWARE CAPABLE OF BEING LOCKE THE INSIDE (PER CBC 1010.1.11).</li> <li>2. EXTERIOR WINDOWS: PROVIDE ANODIZED ALUMINUM FRAME 5/8" MINIMU PANE WINDOW UNITS, AS SHOWN ON FLOOR PLANS. THE 5/8" DIMENSION MINIMUM THICKNESS FOR THE DUAL GLAZED WINDOW PANEL CONSISTING LITES OF GLASS AND THE AIR SPACE.</li> <li>3. GLAZING MATERIAL SHALL BE: EXTERIOR LITE - 3/16" MINIMUM TEMPERED</li> </ul>
-SITE.rvt IntermitatioWSRISBISMC.004 -0220203020		<ul> <li>OR LAMINATED AS - 1 GLASS OF SOLAR GRAY GLARE REDUCING TYPE WITRANSMISSION FACTOR OF 45% MAXIMUM. INTERIOR LITE - 1/8" MINIMUM TEMPERED. MINIMUM AIR SPACE SHALL BE 1/4" SPACE - BENT OR SEALED ALUMINUM WITH DESICCANT FILL SEALER - BUTYL PRIMARY SEAL AND POLYSULFIDE OR SILICONE SECONDARY SEAL. CERTIFICATION - ALL GLAZ BE CERTIFIED IN ACCORDANCE WITH ASTM E-773, E-774.</li> <li>4. HEADER HEIGHT SHALL BE THE SAME AS THE DOOR. ALL OPERABLE SASH HAVE ALUMINUM SCREENS. WINDOWS SHALL NOT BE MOUNTED TO THE E</li> </ul>
CLASSROOMS 2025 R22/3595005000-A-TUSD-BOHN-SITE.rvt CTUEDTE DIG 2023:0404144 PM: UNIGERINGERING PRO ONDE STRUCT 2023:042442420-242444420-242444445444454444444444	MARKERBOARD SPECIFICATIONS MARKERBOARDS SHALL BE 24 GA. PORCELAIN STEEL FACING SHEET SUITABLE TO ACCEPT DRY ERASE FELT MARKERS. THE FACING SHEET SHALL BE LAMINATED TO PARTICLE BOARD SUBSTRATE WITH A MINIMUM DENSITY OF 45lbs./cu.ft. THE PANEL SHALL HAVE A FOIL BACKING. THE PANELS SHALL HAVE EXTRUDED ALUMINUM MOLDING	<ul> <li>OSB SURFACE. ALL WINDOWS SHALL MEET THE AAMA GS101-88 VOLUNTA FOR ALUMINUM PRIME WINDOWS AND SLIDING GLASS (ANS1), COMMERCIA</li> <li>5. WINDOWS TO MATCH WHAT IS REQUIRED BY ENERGY REPORT. IF WINDOW BE NFRC RATED THAN NFRC LABELS SHALL BE LEFT ON THE WINDOWS FO INSPECTOR TO VERIFY.</li> <li>MECHANICAL EQUIPMENT PROTECTION</li> </ul>
)25 R22/3595005( ஊர்க்குருமுல கலை 202000	SHALL HAVE A FOIL BACKING. THE PANELS SHALL HAVE EXTRODED ALOMINOM MOLDING AND CHALKRAIL WITH A MINIMUM OF 2 15/16" PROJECTION FROM THE FACE OF PANEL. THREE MAP HOOKS WITH CLIPS PER PANEL SHALL BE PROVIDED. ONE FLAG HOLDER, 1/2" SIZE, SHALL BE PROVIDED FOR EACH CLASSROOM. EACH CLASSROOM SHALL HAVE 2 EACH 4'x8' PANELS INSTALLED SIDE BY SIDE TO MAKE A 4'x16' PANEL, CENTERED ON THE WALL.	<ol> <li>ALL MECHANICAL EQUIPMENT SHALL BE THOROUGLY CLEANED PROGRESS DURING CONSTRUCTION AND COMPLETION OF THE JOB. ALL OPEN ENDS DUCTWORK AND EQUIPMENT SHALL BE COVERED AT END OF EACH WORK DURING SHIPMENT OF RELOCATABLE BUILDINGS</li> </ol>
	FOR ANCHORAGE DETAIL, SEE DETAIL 8/A4.0. REFERENCE BRANDS: CHATFIELD-CLARKE Co, Inc. SERIES 500 OR NELSON ADAMS Co. NACO SERIES 60.	<b>FOUNDATION CLEARANCES FROM SLOPES</b> <u>CBC 1808A.7.1 BUILDING CLEARANCE FROM ASCENDING SLOPES</u> . IN GENERAL, BUILDINGS BEL SLOPES SHALL BE SET A SUFFICIENT DISTANCE FROM THE SLOPE TO PROVIDE PROTECTION FROM SLOPE DRAINAGE, EROSION AND SHALLOW FAILURES. EXCEPT AS PROVIDED IN SECTIO CBC 1808A.7.5 AND FIGURE CBC 1808A.7.1, THE FOLLOWING CRITERIA WILL BE ASSUMED TO PI THIS PROTECTION. WHERE THE EXISTING SLOPE IS STEEPER THAN ONE UNIT VERTICAL IN ON UNIT HORIZONTAL (100-PERCENT SLOPE), THE TOE OF THE SLOPE SHALL BE ASSUMED TO BE AT THE INTERSECTION OF A HORIZONTAL PLANE DRAWN FORM THE TOP OF THE FOUNDATION AND A PLANE DRAWN TANGENT TO THE SLOPE AT AN ANGLE OF 45 DEGREES (0.79 RAD) TO
Autodesk Docs://3595005000 TUSD 12/3/2024-9:55:46:3AMInterterter	GENERAL NOTE IT IS THE RESPONSIBILITY OF THE DESIGN PROFESSIONAL ON RECORD TO ENSURE THAT ALL SPECIFICATIONS MEET THE MINIMUM REQUIREMENTS OF THE CURRENT EDITION S OF THE CALIFORNIA STATE TITLES 19 AND 24. APPROVAL OF THESE SPECIFICATIONS DOES NOT CONSTITUTE APPROVAL FOR WAIVER OR ANY REQUIREMENTS OF THOSE REGULATIONS.	THE HORIZONTAL. WHERE A RETAINING WALL IS CONSTRUCTED AT THE TOE OF THE SLOPE, T HEIGHT OF THE SLOPE SHALL BE MEASURED FROM THE TOP OF THE WALL TO THE TOP OF TH SLOPE. <u>CBC 1808A.7.2 FOUNDATION SETBACK FROM DESCENDING SLOPE SURFACE</u> . FOUNDATIONS ON OR ADJACENT TO SLOPE SURFACES SHALL BE FOUNDED IN FIRM MATERIA WITH AN EMBEDMENT AND SET BACK FROM THE SLOPE SURFACE SUFFICIENT TO PROVIDE VERTICAL AND LATERAL SUPPORT FOR THE FOUNDATION WITHOUT DETRIMENTAL SETTLEME EXCEPT AS PROVIDED FOR IN SECTION CBC 1808A.7.5 AND FIGURE CBC 1808A.7.1, THE FOLLO SETBACK IS DEEMED ADEQUATE TO MEET THE CRITERIA. WHERE THE SLOPE IS STEEPER TH 1 UNIT VERTICAL IN 1 UNIT HORIZONTAL 100-PERCENT SLOPE), THE REQUIRED SETBACK SHALL BE MEASURED FROM AN IMAGINARY PLANE 45 DEGREES (0.79 RAD) TO THE HORIZONTAL, PROJECTED UPWARD FROM THE TOE OF THE SLOPE.

	FIRE EXTINGUISHER	LIGHT GAUGE METAL STUDS & COLD FORMED STE	ΞE
3 CLASS I OR II. E RATING NOT TO M CRITICAL CARPET SHALL BE R NONE AT ALL. TEXTURED LOOP, UM PILE HEIGHT	<ol> <li>EACH CLASSROOM SHALL BE EQUIPPED WITH PRESSURE TYPE FIRE EXTINGUISHERS WITH 2A10BC UL RATING. MOUNT ON THE INTERIOR WALL OF THE BUILDING NEAR THE DOORWAY(S) AT A MAXIMUM HEIGHT OF 4 FEET TO THE TOP OF THE OPERATING HANDLE, AND THE BOTTOM OF F.E. MOUNTED 27" OR LESS A.F.F. FIRE EXTINGUISHERS SHALL BE TOTALLY CHARGED AND HAVE A DIAL INDICATING THE STATE OF CHARGE.</li> </ol>	<ol> <li>ALL LIGHT GAUGE METAL STUDS &amp; COLD FORMED STEEL SHALL BE FOR STEEL THAT CORRESPONDS TO THE MINIMUM REQUIREMENTS OF THE</li> <li>ALL GALVANIZED STUDS, JOISTS, TRACK, BRIDGING AND ACCESSORIE FORMED FROM STEEL HAVING A GALVANIZED COATING MEETING THE REQUIREMENTS OF ASTM A653.</li> <li>CUSTOM FORMED SHAPES SHALL BE BENT FROM ASTM A1011 SS STE</li> </ol>	E A ES :
ARPET DENSITY I SECTION	ACCESSIBILITY STANDARDS REFERENCE: 2022 CALIFORNIA BUILDING CODE (TITLE 24, PART 2, CCR), CHAPTER 11B "ACCESSIBILITY TO PUBLIC"	<ol> <li>STUD AND TRACK DESIGNATIONS ARE BASED ON STEEL STUD MANUF ASSOCIATION. ICC-ES EVALUATION REPORT ESR-3064P.</li> <li>GALVANIZED FRAMING PRODUCTS SHALL BE COATED IN ACCORDANC S240-20, SECTION 20 A4. PRODUCTS WILL BE FURNISHED WITH A G-60 EQUIVALENT COATING IF SPECIFIED, AND SHALL BE IN CONFORMANCI</li> </ol>	E V OF
1/8" THICK, 4" SQUARE DOES NOT ABUT. OR EQUAL. APPLY	SECTION 11B-206.2 BUILDING ACCESSIBILITY, GENERAL 1. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ALL BUILDINGS, ELEMENTS,	<ul><li>C-955, OTHERWISE, G-90 OR EQUIVALENT COATING WILL BE PROVIDED</li><li>6. WELDING OF LIGHT GAUGE METAL STUDS &amp; COLD FORMED STEEL SHARES</li></ul>	D.
APPLIED IN ONE SHALL BE S A SUBSTITUTE LT FREE, SHALL ITY OF 18 LBS. CALENDERED THE COATING . COATING SHALL O, TO THE CK OR OSB	AND AREAS, AND EACH FLOOR INCLUDING MEZZANINES. <u>SECTION 11B-216 SIGNAGE</u> (ALSO REFER TO SECTIONS 11B-703, 1009.9, 1009.10, 1023.9) SIGNAGE IS REQUIRED: 1. TO IDENTIFY PERMANENT ROOMS & SPACES 2. TO PROVIDE DIRECTIONS AND INFORMATION ABOUT SPACES & FACILITIES 3. TO IDENTIFY MEANS OF EGRESS A. AREAS OF REFUGE AND AREA FOR ASSISTED RESCUE (PER 1009.9 AND 1009.11) B. DIRECTIONS TO AN EXIT (PER 1009.10)	<ul> <li>COMPLY WITH AWS D1.3-08.</li> <li>ALL COLD-ROLLED MEMBERS FABRICATED BY AMS SHALL USE HOT-RESHEETS WITH THE FOLLOWING MIN. SPECIFICATIONS UNLESS NOTED ON THE DRAWINGS.</li> <li><u>GA</u> MATERIAL DESIGN THICKNESS MIN. THIC 20 A1011 SS Gr. 36 0.0346" 0.032 18 A1011 SS Gr. 36 0.0451" 0.042 16 A1011 SS Gr. 50 0.0566" 0.053 14 A1011 SS Gr. 45 0.0713" 0.067</li> </ul>	0 0 <sup>-</sup> 29" 28" 38"
LS, MATERIALS DSA-IR 25-2.13 AS HICK, MINERAL RE EDGE, LIGHT	<ul> <li>C. DELAYED EGRESS LOCKS (PER 1010.1.9.7 ITEM 6)</li> <li>D. EXIT WAYS (PER 1013.4) <ul> <li>AT EACH GRADE LEVEL EXTERIOR EXIT DOOR</li> <li>AT AN EXIT BY MEANS OF A STAIRWAY OR RAMP ("EXIT STAIR DOWN" OR "EXIT RAMP DOWN")</li> <li>AT AN EXIT ROUTE VIA ENCLOSURE, PASSAGEWAY, CORRIDOR, HALLWAY, ETC.</li> <li>OTHER HORIZONTAL WAYS WHERE THE EXIT OR EXIT PATH IS NOT IMMEDIATELY VISIBLE (PER 1013.1)</li> </ul> </li> <li>4. TO IDENTIFY ACCESSIBLE PARKING SPACES</li> <li>5. TO IDENTIFY ENTRANCES OR ROUTE TO AN ACCESSIBLE ENTRANCE</li> <li>6. TO IDENTIFY ELEVATORS</li> <li>7. TO IDENTIFY TOILET ROOMS</li> </ul>	12       A1011 SS Gr. 45       0.1017"       0.096         10       A1011 SS Gr. 50       0.1345"       0.127         METAL FLOOR DECK         1.       SECTION PROPERTIES SHALL BE DERIVED IN ACCORDANCE WITH AISI "SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL LATEST EDITION."         2.       METAL DECKING IS TO BE ATTACHED TO THE STRUCTURAL FRAME IN CONFORMANCE WITH AWS D1.1 AND D1.3, "SPECIFICATION FOR WELD STEEL IN STRUCTURES."	66" 78" I, ME
RE EDGE, LIGHT .65 MINIMUM. FO EXCEED 200,	8. TO IDENTIFY PUBLIC TELEPHONES, TTY and ASSISTIVE LISTENING SYSTEMS SIGNS, WHERE LOCATED WITHIN AN ACCESSIBLE ROUTE, MOUNTED LESS THAN 80"	ABBREVIATION LEGEND	
CTS THAT OWING SHALL	ABOVE THE FINISHED FLOOR, MUST HAVE ROUNDED EDGES OR AN EASED RADIUS MINIMUM OF 0.125". <u>SECTION 11B-404.2.8 DOOR CLOSING SPEED</u> 1. THE SWEEP PERIOD OF ACCESSIBLE DOORS SHALL BE 5 SECONDS MINIMUM, FROM AN OPEN DOOR POSITION OF 90 DEGREES, TO A DOOR POSITION OF 12°	ACCACCESSIBLEFOCOLACASPHALT CONCRETEFOFA/CAIR CONDITIONINGFOPACIAMERICAN CONCRETE INSTITUTEFOSACOUSACOUSTICALFRPADDADDENDUMFTADD'LADDITIONALFTG	F# F# F# F1 F0 F0
NCE WITH ASTM E LASS 'A') ( = 25 MAX = 450	FROM THE LATCH. <u>SECTION 11B-404.2.9 DOOR OPENING FORCE</u> 1. THE EFFORT TO OPEN ANY DOOR SHALL NOT EXCEED 5LBS, EXCEPT FIRE DOORS, WHICH SHALL NOT EXCEED 15LBS FORCE. THE MINIMUM FORCE NEEDED SHALL BE USED.	ADJADJUSTABLE OR ADJACENTFURRAISCAMERICAN INSTITUTE OF STEELGACONSTRUCTIONGBAISIAMERICAN IRON AND STEEL INSTITUTEGLALTALTERNATEGLV/GALVALUMALUMINUMGSMANSIAMERICAN NATIONAL STANDARDSGYP	Fl G G G
<u>CLASS 'A')</u> ( = 25   MAX = 50 RP.	SECTIONS 11B-404.2.4.3 RECESSED DOORS 1. DOORS RECESSED 8" OR MORE SHALL HAVE STRIKE EDGE CLEARANCES IN ACCORDANCE WITH FIGURE 11B-404.2.4.3. SECTION 11B-405.5 RAMP WIDTH	INSTITUTEGYP.BD.APAAMERICAN PLYWOOD ASSOCIATIONARCHARCHITECT(URAL)ASTMAMERICAN SOCIETY FOR TESTING ANDHC	G H H
NF. DKE PROVIDED WITH OTH, IG A LEAST CH, PER C.B.C.	<ol> <li>THE CLEAR WIDTH OF A RAMP SHALL BE 48" MINIMUM.</li> <li><u>SECTION 11B-505 HANDRAILS</u></li> <li>THE TOP OF THE GRIPPING SURFACE OF HANDRAILS SHALL BE BETWEEN 34" AND 38", MEASURED VERTICALLY FROM WALKING SURFACES AND STAIR NOSINGS.</li> <li>HANDRAILS SHALL HAVE AT LEAST 1-1/2" CLEARANCE ALONG THE SIDE; MAX. 20% OBSTRUCTIONS ON THE BOTTOM (11B-505.6).</li> <li>HANDRAILS SHALL EXTEND BEYOND, AND IN THE SAME DIRECTION, OF STAIRS AND RAMPS.</li> </ol>	MATERIALS HDR AWC AMERICAN WOOD COUNCIL HDW AWPA AMERICAN WOOD PROTECTION HF ASSOCIATION HM AWS AMERICAN WELDING SOCIETY HOR/HORIZ HSS BD BOARD HT BLDG BUILDING HVAC BLK BLOCK HW	H( HI HI H(
	<ol> <li>SECTION 11B-606.4 WATER CONTROLS</li> <li>CONTROLS TO OPERATE A WATER FAUCET OR OUTLET SHALL BE A SINGLE-LEVER DESIGN, CAPABLE OF BEING OPERATED WITH A SINGLE HAND, AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.</li> <li>THE FORCE REQUIRED TO OPERATE CONTROLS SHALL NOT EXCEED 5 LBS.</li> <li>SECTION 11B-604 TOILET ROOMS AND BATHING ROOMS</li> </ol>	BLWBELOWIAPMOBMBEAMICCBNBOUNDARY NAILINGICCBOT/BOTTBOTTOMIDBRGBEARINGINBTWNBETWEENINSULBURBUILT UP ROOFINGINT	
DR ED PER CS242 ACES WITH FOR CLOSURE.) HALL BE 10 GA. FRAME ASTM FE. FRAMES ANCHORS PER PANT LOAD OF ANCHORS PER PANT LOAD OF LOCKED FROM MINIMUM DUAL ENSION IS THE ISISTING OF TWO IPERED GLASS YPE WITH A LIGHT NIMUM CLEAR SEALED CORNER AND LL GLAZING TO	<ol> <li>AN ACCESSIBLE TOILET STALL SHALL HAVE A MINIMUM WIDTH OF 60" AND SHALL BE EQUIPPED WITH A DOOR THAT HAS AN AUTOMATIC-CLOSING DEVICE, AND SHALL HAVE A CLEAR, UNOBSTRUCTED OPENING WIDTH OF 32 INCHES WHEN LOCATED AT THE END AND 34 INCHES WHEN LOCATED AT THE SIDE, WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION.</li> <li>THE INSIDE AND OUTSIDE OF THE ACCESSIBLE COMPARTMENT DOOR SHALL BE EQUIPPED WITH A LOOP OR U-SHAPED HANDLE IMMEDIATELY BELOW THE LATCH. THE LATCH SHALL BE FLIP-OVER STYLE, SLIDING OR OTHER HARDWARE NOT REQUIRING THE USER TO GRASP OR TWIST. THE LATCH AND PULL SHALL COMPLY WITH 11B-404.2.7. MAXIMUM 5 LB FORCE TO ACTIVATE (11B-309.4).</li> <li>EXCEPT FOR DOOR-OPENING WIDTHS AND DOOR SWINGS, A CLEAR, UNOBSTRUCTED ACCESS OF NOT LESS THAN 44 INCHES SHALL BE PROVIDED TO THE WATER CLOSET COMPARTMENTS DESIGNED FOR USE BY PERSONS WITH DISABILITIES.</li> <li>A 27"-29" MINIMUM DIMENSION IS REQUIRED FOR LAVATORY/SINK KNEE CLEARANCE, WHICH IS THE DISTANCE FROM THE FINISH FLOOR TO THE UNDERSIDE OF THE LAVATORY/SINK AND THE LAV FRONT EDGE.</li> <li>TABLE 11B-604.9 SUGGESTS DIMENSIONS FOR CHILDREN'S USE.</li> <li>TOILET ACCESSORIES LOCATED IN THE CIRCULATION PATH AND WITH THE BOTTOM MOUNTED ABOVE 27" SHALL BE 4" DEEP MAX (11B-307.2).</li> </ol>	COCLEAN OUTLONGCOLCOLUMNLSCONCCONCRETELTCONNCONNECTIONLW	IN IN AG
LE SASH SHALL O THE EXTERIOR DLUNTARY SPEC. IMERCIAL GRADE. WINDOWS MUST OWS FOR THE	OUTDOOR VENTILATION REQUIREMENTS: CLASSROOMS ARE DESIGNED FOR MINIMUM OUTSIDE AIR OF 0.38 CFM PER SF. PER 1. THE CALIFORNIA ENERGY CODE (CEC), SPACES SHALL BE DESIGNED TO THE MINIMUM REQUIREMENTS AS SPECIFIED OR TO 15 CFM PER OCCUPANT, WHICHEVER IS GREATER. THE BUILDING MANUFACTURER SHALL VERIFY WITH THE SCHOOL DISTRICT THE EXPECTED NUMBER OF OCCUPANTS IN THE CLASSROOM SO THAT THE OUTDOOR VENTILATION RATE FOR MECHANICAL SYSTEMS CAN BE ADEQUATELY ADJUSTED UPON SITE INSTALLATION OF THE BUILDING. THE BUILDING MANUFACTURER SHALL ALSO CONFIRM WITH HVAC EQUIPMENT MANUFACTURER THAT THE SELECTED EQUIPMENT WILL BE ABLE TO PERFORM TO	DBLDOUBLEMECHDETDETAILMFGDFDRINKING FOUNTAIN OR DOUGLAS FIRMFRDIADIAMETERMINDIAGDIAGONALMIRDIMDIMENSIONMISCDIVDIVISIONMMDRDOORMTLDSDOWNSPOUTDIVISION OF THE STATE ARCHITECT(N)DWGDRAWINGNICNDSNDS	M M M M M M M N N N
ROGRESSIVELY NENDS OF H WORK DAY AND INGS BELOW ECTION N SECTION	ACCOMMODATE THE ADDITIONAL OUTDOOR AIR REQUIREMENTS UNDER PEAK DESIGN CONDITIONS FOR THE CLIMATE ZONE IN WHICH THE BUILDING IS LOCATED. AT OCCUPANCY, THE BUILDING MANUFACTURER SHALL PROVIDE TO BUILDING OWNER A DESCRIPTION OF THE QUANTITIES OF OUTDOOR AND RECIRCULATED AIR THAT THE VENTILATION SYSTEMS ARE DESIGNED TO PROVIDE TO EACH AREA.	(E)EXISTINGNWEAEACHNWCEJEXPANSION JOINTELEVELEVATIONO/ELECTELECTRICALOCEMBEDEMBEDMENTODENEDGE NAILING (OR EDGE FASTENING)OLETCET CETERAOPGEQEQUALOPPEWEACH WAYOSB	
N SECTION IED TO PROVIDE AL IN ONE D TO BE		EXP EXPOSURE EXT EXTERIOR PAF PL F FAHRENHEIT PLAM	P( Pl Pl
INDATION AD) TO SLOPE, THE DP OF THE	FACE OF FOOTING FACE OF SLOPE	FUTFUTUREPLASFABFABRICATIONPLFFACFACTORYPLTFDFLOOR DRAINPLWD/PLYFFFINISHED FLOORPNLFGFINISHED GRADEPOC	PI PC PI P/ P/
MATERIAL ROVIDE EETTLEMENT. HE FOLLOWING EPER THAN ACK	FOR SI: 1 FOOT=304.8 MM.	FHWSFLAT HEAD WOOD SCREWPSFINFINISHPSFFLRFLOORPSIFLSHGFLASHINGPSLFNFIELD NAILINGPTFND/FNDNFOUNDATIONPTDFFOFACE OFPTNFOCFACE OF CONCRETEPVC	PF PC PC PA PF PF PF



PLEASE RECYCLE



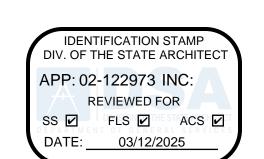
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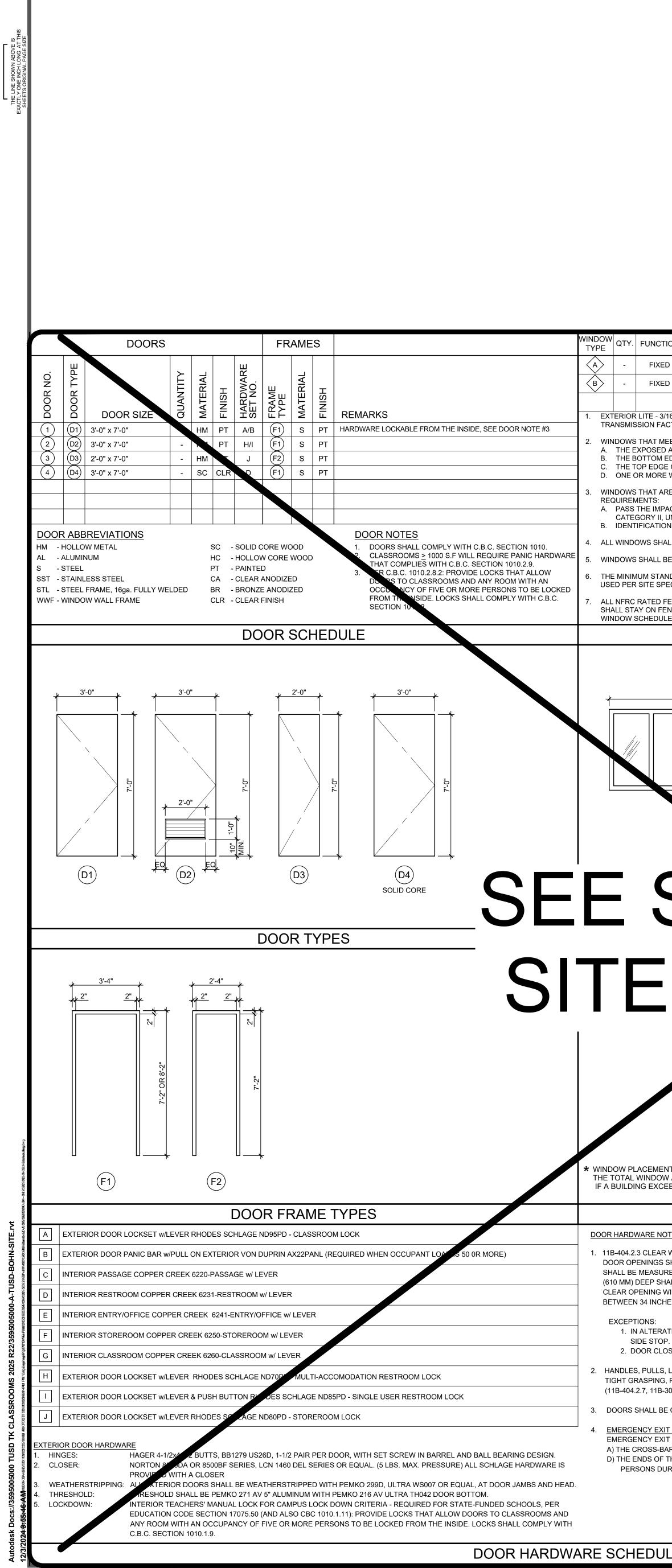
**GENERAL NOTES & SPECIFICATIONS** 

DATE 3/20/25

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TRACY





ESHEET N3.0-N ESPECIFIC SF	
36'x40'       240         48'x40'       320         60'x40'       400         72'x40'       480         84'x40'       560         96'x40'       640         108'x40'       720         120'x40'       800	
WINDOW GLAZING AREA TABLE           R HARDWARE NOTES           18-40-2.3 CLEAR WIDTH           OGO ROPENINGS SHALL PROVIDE A CLEAR WIDTH OF 32 INCHES (813 MM) MINIMUM. CLEAR OPENINGS OF DOORWAYS WITH SWINGING DOORS           HALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90 DEGREES. OPENINGS MORE THAN 24 INCHES (910 MM) DEEP SHALL PROVIDE A CLEAR OPENING OF 36 INCHES (914 MM) MINIMUM. THERE SHALL BE NO PROJECTIONS INTO THE REQUIRED LEAR OPENING WIDTH INCHES (864 MM) ABOVE THE FINISH FLOOR OR GROUND. PROJECTIONS INTO THE CLEAR OPENING WIDTH HEAR OPENING WIDTH HERE (864 MM) AND 80 INCHES (2032 MM) ABOVE THE FINISH FLOOR OR GROUND SHALL NOT EXCEED 4 INCHES (102 MM).           EXCEPTIONS:         1. NA LTERATIONS, A PROJECTION OF 5/8 INCH (15.9 MM) MAXIMUM INTO THE REQUIRED CLEAR WIDTH SHALL BE PERMITTED FOR THE LATCH SUB STOP.           2. DOOR CLOSERS AND DOOR STOPS SHALL BE PERMITTED TO BE 78 INCHES (1991 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.           MANDLES, PULLS, LATCHES, LOCKS AND OTHERS OPERABLE PARTS ON DOORS SHALL BE OPERABLE PARTS SHALL BE 5 Ibs. MAX.           118-404.27, 118-309.4)           DOORS SHALL BE OPERABLE FROM INSIDE WITH A SINGLE MOTION W/O THE USE OF ANY TOOLS, EFFORT, OR SPECIAL KNOWLEDGE.           EMERGENCY EXIT AND PANIC HARDWARE           DOORS SHALL BE OPERABLE FROM INSIDE WITH A SINGLE M	EMERGENCY EXIT AND PANIOL ARDWARE: IN COMPLIANCE WITH SFM STANE OF 12-10-3 (A) THE CROSS BAR SHALL EXTEND A POS (B) THE ENDS OF THE CROSS BAR SHALL B PERSONS DURING EGRESS.
SCHEDULE	EMER

### WINDOW SCHEDULE

ALL NFRC RATED FENESTRATION AS NOTED ON THE WINDOW SCHEDULE REQUIRE TEMPORARY NFRC LABELS. TEMPORARY NFRC LABELS SHALL STAY ON FENESTRATION PRODUCTS UNTIL INSPECTOR HAS VERIFIED THAT THE INSTALLED U-FACTOR, SHGC, AND VT MATCH THE

B <u>2" TYP.</u>

USED PER SITE SPECIFIC REQUIREMENTS.

. WINDOWS SHALL BE NFRC RATED THE MINIMUM STANDARD GLASS TYPE FOR ALL WINDOWS SHALL SOLAR GREY GLAZING. UPGRADED GLAZING (LOW E, LOW E2, ETC.) MAY BE

ALL WINDOWS SHALL HAVE METAL FRAMES AND BE MANUFACTURED BY OTHERS.

CATEGORY II, UNLESS OTHERWISE INDICATED IN C.B.C. TABLE 2406.2(1). B. IDENTIFICATION OF SAFETY GLAZING PER C.B.C. 2406.3

REQUIREMENTS: A. PASS THE IMPACT TEST REQUIREMENTS IN ACCORDANCE WITH "CPSC 16 CFR PART 1201" PER SECTION 2406.2, WITH A TEST CRITERIA OF

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<u>2" TYP.</u>

B. THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 18" ABOVE FINISH FLOOR. C. THE TOP EDGE OF THE GLAZING IS GREATER THAN 36" ABOVE FINISH FLOOR. D. ONE OR MORE WALKING SURFACE(S) ARE WITHIN 36", MEASURED HORIZONTALLY AND IN A STRAIGHT LINE, OF THE PLANE OF THE GLAZING. WINDOWS THAT ARE CONSIDERED A HAZARDOUS LOCATION SHALL CONTAIN FULLY TEMPERED SAFETY GLAZING & MEET THE FOLLOWING

WINDOWS THAT MEETS ALL OF THE FOLLOWING CONDITIONS SPECIFIED IN SECTION 2406.4.3, SHALL BE CONSIDERED A HAZARDOUS LOCATION: A. THE EXPOSED AREA OF AN INDIVIDUAL PANE IS GREATER THAN 9 SQUARE FEET.

EXTERIOR LITE - 3/16" MINIMUM TEMPERED GLASS, OR LAMINATED AS 1 GLASS OF SOLAR GRAY GLARE REDUCING TYPE WITH A LIGHT TRANSMISSION FACTOR OF 45% MAXIMUM.

W	QTY.	FUNCTION	'W' WIDTH	'H' HEIGHT	FINISH	GLASS TYPE	U FACTOR	SHGC	VT MIN	MIN STC RATING	REMARKS	
	-	FIXED	10'-0" MAX.	8'-0" MAX.	BRONZE ANODIZED	SOLAR GREY <sup>6</sup>	0.42	0.25	0.44	27	INOPERABLE	
	-	FIXED	6'-0" MAX.	6'-0" MAX.	BRONZE ANODIZED	SOLAR GREY <sup>6</sup>	0.42	0.25	0.44	27	INOPERABLE	

ROOM NUMBER	ROOM NAME						
101 TYP	CLASSROOM - STANDARD						
102 TYP	CLASSROOM - STANDARD						
TYP	BOYS R.R.						
TYP	GIRLS R.R.						
TYP	STAFF ROOM						
TYP	SINGLE TOILET R.R.						
FINISH INDI	CATOR OPTIONS						
A - CARPET; PER STATE OF CALL SPEC COM							

DENSITY 4600.

/2" GYP BOARD; TAPE, PAINTED FINISH

J - 3/32" F.R.P.; OVER 1/2" W.R. GYP BOARD

N - CERAMIC TILE - (FULL HEIGHT AT WALLS)

P - CLOUD CEILING PANELS

**B - VINYL SHEET FLOO** 

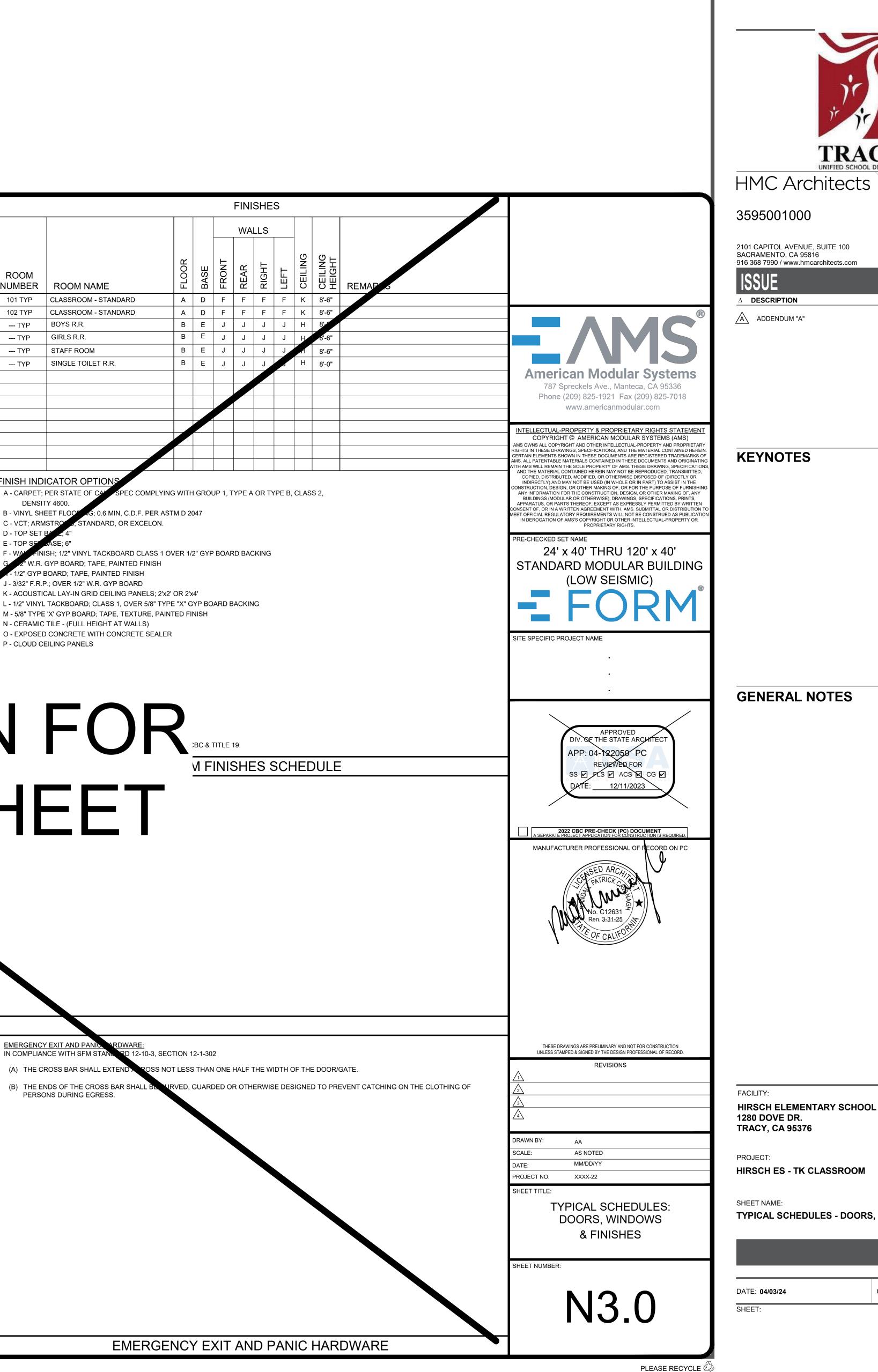
C - VCT; ARMSTR

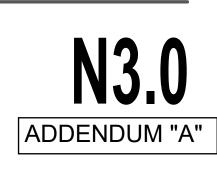
D - TOP SET

MATCH HEADER

DOOR HEADER

HEIGHT TO





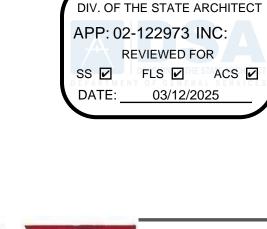
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**TYPICAL SCHEDULES - DOORS, WINDOWS & FINISHES** 

HIRSCH ES - TK CLASSROOM

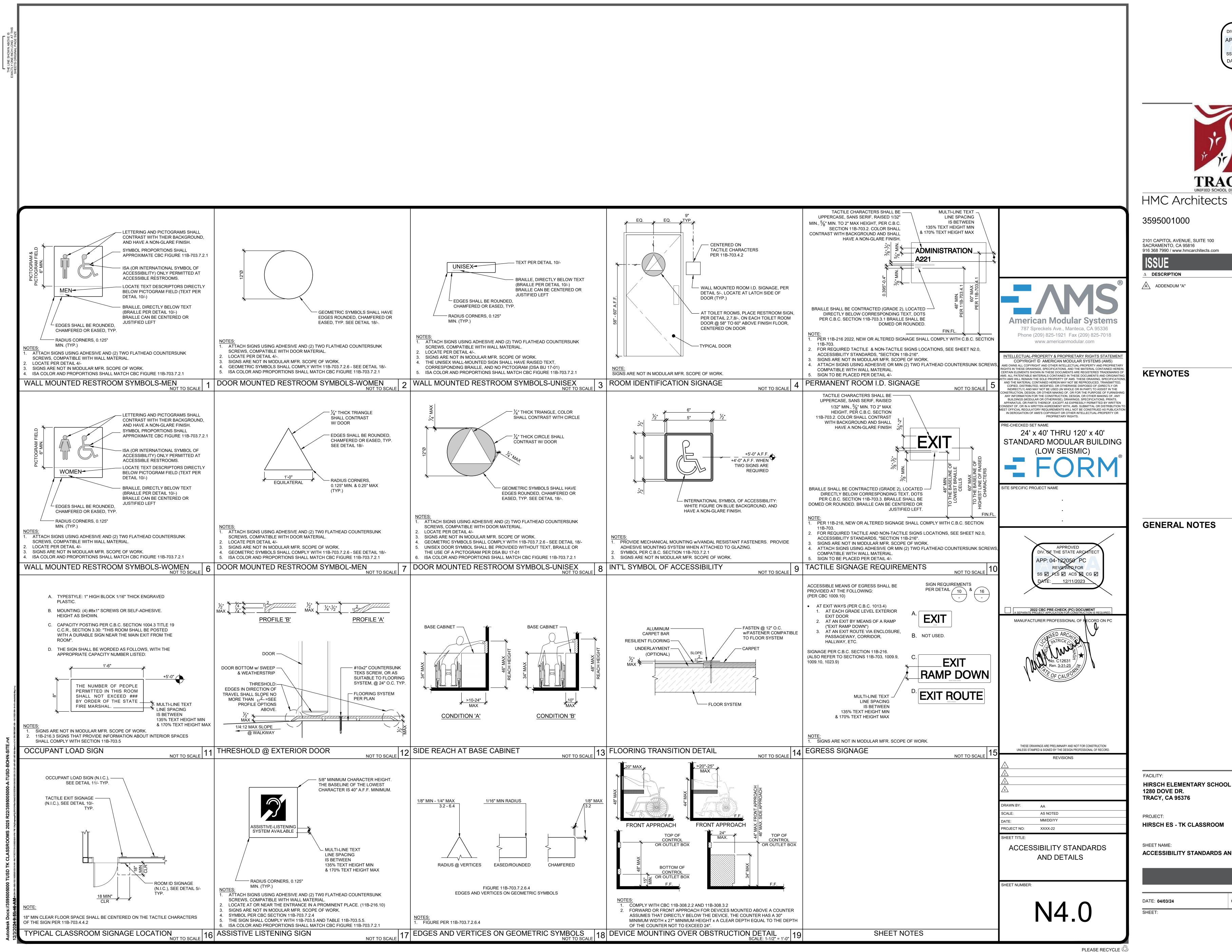
HMC Architects

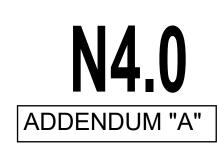
TRACY



IDENTIFICATION STAMP

DATE 3/20/25





ACCESSIBILITY STANDARDS AND DETAILS

HMC Architects

TRACY

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC

APP: 02-122973 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

DATE: 03/12/2025

DATE

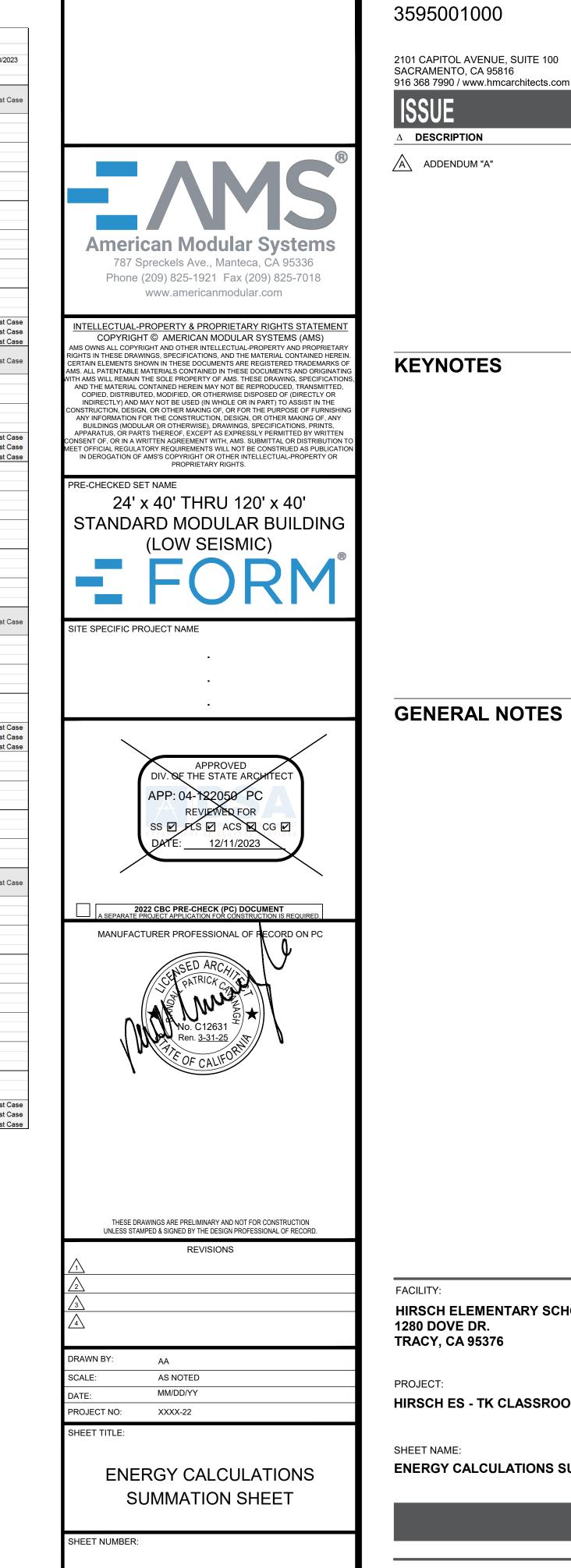


-		Roof	Crowley	Metal Stud	Mr. I	14/2-01		1S 24x40		50.1	News	064	50.5	Neural	054			
0740	te e Referen <i>c</i> e City 1 Arcata	Rigid R- value <sup>1</sup>	Ground Floor R-value <sup>2</sup>	R-value <sup>3</sup>	Window U-factor <sup>4</sup>	Window SHGC <sup>4</sup>	Air Barrier (Y/N)	Cool Roof (Y/N)	CO Sensor (Y/N)	FC-1 Unit Type <sup>5</sup>	FC-1 Units <sup>6</sup>	OSA per FC-1 (cfm) <sup>7</sup>	Unit Type⁵	FC-2 Units <sup>6</sup>	OSA per FC-2 (cfm) <sup>7</sup>	(kW DC)		Model Nam Tot
CZ16	Blue Canyon     Santa Rosa     Oakland	R-15 ci	R-5 ci	R-5 ci	0.42	0.25	Y	N	N	W42HC	1	364.8	na	0	na	0.0	cz	HVAC
CZ04	4 San Jose-Reid 5 Santa Maria 6 Torrance	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	N	W42HC	1	364.8	na	0	na	0.0	Group	Blue C
CZ07	7 San Diego-Lindbergh 8 Fullerton 9 Burbank-Glendale																-	30
CZ10 CZ11	0 Riverside 1 Red Bluff 2 Sacramento	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	N	W42HC	1	364.8	na	0	na	0.0	-	75
CZ12	3 Fresno 4 Palmdale 5 Palm Spring-Intl	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	N	W42HC	1	364.8	na	0	na	0.0	-	120
		Roof		Metal Stud			AM	1S 36x40		-			-					16
	e Reference City	Rigid R- value <sup>1</sup>	Ground Floor R-value <sup>2</sup>		Window U-factor <sup>4</sup>	Window SHGC <sup>4</sup>	Air Barrier (Y/N)	Cool Roof (Y/N )	CO Sensor (Y/N)	FC-1 Unit Type⁵	Number of FC-1 Units <sup>6</sup>	OSA per FC-1 (cfm) <sup>7</sup>	FC-2 Unit Type⁵	Number of FC-2 Units <sup>6</sup>	OSA per FC-2 (cfm) <sup>7</sup>	Design PV (kW DC)	Α	210
CZ16	1 Arcata 6 Blue Canyon 2 Santa Rosa	R-15 ci	R-5 ci	R-5 ci	0.42	0.25	Y	N	N	W42HC	1	547.2	na	0	na	0.0	-	255
CZ04	<ul> <li>3 Oakland</li> <li>4 San Jose-Reid</li> <li>5 Santa Maria</li> </ul>	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	N	W42HC	1	547.2	na	0	na	0.0	-	
CZ07	6 Torrance 7 San Diego-Lindbergh 8 Fullerton																-	300
CZ09 CZ10		R-5 ci	na	R-5 ci	0.42	0.25	Y	N	Y	SysAir 4T	1	547.2	na	0	na	0.0	-	34
CZ12 CZ12	2 Sacramento 3 Fresno 4 Palmdale																CZ Group	Climate 2 Santa
	5 Palm Spring-Intl	R-5 ci	na	R-5 ci	0.42	0.25	Y 	N IS 48x40	Y	SysAir 4T	1	547.2	na	0	na	0.0		30
2 Clima up Zone	te e Reference City	Roof Rigid R- value <sup>1</sup>	Ground Floor R-value <sup>2</sup>	Metal Stud Wall R-value <sup>3</sup>	Window U-factor <sup>4</sup>	Window SHGC⁴	Air Barrier (Y/N)	Cool Roof (Y/N)	CO Sensor (Y/N)	FC-1 Unit Type⁵	Number of FC-1 Units <sup>6</sup>	OSA per FC-1 (cfm) <sup>7</sup>	FC-2 Unit Type⁵	Number of FC-2 Units <sup>6</sup>	OSA per FC-2 (cfm) <sup>7</sup>	Design PV (kW DC)	-	75
CZ01	1 Arcata 6 Blue Canyon 2 Santa Rosa	R-15 ci	R-5 ci	R-5 ci	0.42	0.25	Y	N	N	W42HC	2	364.8	na	0	na	0.0		120
CZ03	3 Oakland 4 San Jose-Reid 5 Santa Maria	R-5 ci	na	R-5 ci	0.42	0.25	Y	Ν	Ν	W42HC	2	364.8	na	0	na	0.0	-	165
CZ06	6 Torrance 7 San Diego-Lindbergh 8 Fullerton																В	
CZ09 CZ10	9 Burbank-Glendale 0 Riverside 1 Red Bluff	R-5 ci	na	R-5 ci	0.42	0.25	Y	Ν	N	W42HC	2	364.8	na	0	na	0.0	-	210
CZ12 CZ12	2 Sacramento 3 Fresno 4 Palmdale															1.5	-	255
CZ15	5 Palm Spring-Intl	R-5 ci	na	R-5 ci	0.42	0.25	Y PC	N 60x40	N	W42HC	2	364.8	na	0	na	2.2		300
Climat up Zone	te e Reference City	Roof Rigid R- value <sup>1</sup>	Ground Floor R-value <sup>2</sup>	Metal Stud Wall R-value <sup>3</sup>	Window U-factor <sup>4</sup>	Window SHGC <sup>4</sup>	Air Barrier (Y/N)	Cool Roof (Y/N)	CO Sensor (Y/N)	FC-1 Unit Type⁵	Number of FC-1Units <sup>6</sup>	OSA per FC-1 (cfm) <sup>7</sup>	FC-2 Unit Type <sup>5</sup>	Number of FC-2Units <sup>6</sup>	OSA per FC-2 (cfm) <sup>7</sup>	Design PV (kW DC)		345
CZ01	Arcata     Blue Canyon     Santa Rosa	R-15 ci	R-5 ci	R-5 ci	0.42	0.25	Y	N	N	W42HC	2	456.0	na	0	na	0.0	CZ Group	Climate 2 Fres
CZ03	3 Oakland 4 San Jose-Reid 5 Santa Maria	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	N	W42HC	2	456	na	0	na	0.0	-	30
CZ06	6 Torrance 7 San Diego-Lindbergh 8 Fullerton																-	75
CZ09 CZ10	9 Burbank-Glendale 0 Riverside 1 Red Bluff	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	N	W42HC	2	456	na	0	na	0.0	-	
CZ12 CZ13	2 Sacramento 3 Fresno 4 Palmdale															3.4		12
	5 Palm Spring-Intl	R-5 ci	na	R-5 ci	0.42	0.25	Y	N 72x40	N	W48HC	2	456	na	0	na	5.2	С	165
Climat		Roof Rigid R-	Ground Floor	-	Window	Window	Air Barrier	Cool Roof	CO Sensor	FC-1		OSA per FC-1			OSA per FC-2			210
CZ01	e Reference City 1 Arcata 6 Blue Canyon	value <sup>1</sup> R-15 ci	R-value <sup>2</sup> R-5 ci	R-value³ R-5 ci	U-factor <sup>4</sup> 0.42	SHGC <sup>4</sup> 0.25	(Y/N ) Y	(Y/N ) N	(Y/N ) N	Unit Type⁵ W42HC	FC-1 Units <sup>6</sup>	(cfm) <sup>7</sup> 547.2	Unit Type⁵ na	FC-2 Units <sup>6</sup>	(cfm) <sup>7</sup> na	(kW DC) 0.0		255
CZ03 CZ04	2 Santa Rosa 3 Oakland 4 San Jose-Reid 5 Santa Maria	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	N	W42HC	2	547.2	na	0	na	0.0	-	300
CZO	6 Torrance 7 San Diego-Lindbergh																	34
CZ09		R-5 ci	na	R-5 ci	0.42	0.25	Y	N	Y	SysAir 4T	2	547.2	na	0	na	3.2	cz	Climate
CZ12 CZ12	2 Sacramento 3 Fresno 4 Palmdale															3.6	Group	Palm Spi 30
	5 Palm Spring-Intl	R-5 ci	na	R-5 ci	0.42	0.25	Y	N 15 84x40	Y	SysAir 4T	2	547.2	na	0	na	5.4	-	
Climat p Zone	te e Reference City	Roof Rigid R- value <sup>1</sup>	Ground Floor R-value <sup>2</sup>	Metal Stud Wall R-value <sup>3</sup>	Window U-factor <sup>4</sup>	Window SHGC <sup>4</sup>	Air Barrier (Y/N)	Cool Roof (Y/N)	CO Sensor (Y/N)	FC-1 Unit Type⁵	Number of FC-1 Units <sup>6</sup>	OSA per FC-1 (cfm) <sup>7</sup>	FC-2 Unit Type⁵	Number of FC-2 Units <sup>6</sup>	OSA per FC-2 (cfm) <sup>7</sup>	Design PV (kW DC)	-	75
CZ01	Arcata     Blue Canyon     Santa Rosa	R-15 ci	R-15 ci	R-5 ci	0.42	0.25	Y	N	N	W42HC	2	364.8	W42HC	1	547.2	3.9		120
CZ03 CZ04	3 Oakland 4 San Jose-Reid 5 Santa Maria	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	N	W42HC	2	364.8	W42HC	1	547.2	0.8 1.0 0.8	D	165
CZ07	6 Torrance 7 San Diego-Lindbergh 8 Fullerton																	21
CZ10	9 Burbank-Glendale 0 Riverside 1 Red Bluff	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	Y	SysAir 4T	2	364.8	SysAir 4T	1	547.2	0.0	-	25
CZ12	2 Sacramento 3 Fresno 4 Palmdale	0.5.4		0.5-1	0.42	0.25	Y		v	Cur Ale AT		264.0	Cur Ala FT	1	547.0	2.1	-	300
CZ1	5 Palm Spring-Intl	R-5 ci	na	R-5 ci	0.42	0.25		N 15 96x40	Y	SysAir 4T	2	364.8	SysAir 5T	1	547.2	3.2		345
Climat up Zone	te e Reference City	Roof Rigid R- value <sup>1</sup>	Ground Floor R-value <sup>2</sup>	Metal Stud Wall R-value <sup>3</sup>	Window U-factor <sup>4</sup>	Window SHGC <sup>4</sup>	Air Barrier (Y/N)	Cool Roof (Y/N)	CO Sensor (Y/N)	FC-1 Unit Type⁵	Number of FC-1Units <sup>6</sup>	OSA per FC-1 (cfm) <sup>7</sup>	FC-2 Unit Type⁵	Number of FC-2 Units <sup>6</sup>	OSA per FC-2 (cfm) <sup>7</sup>	Design PV (kW DC)		545
CZ01	1 Arcata 6 Blue Canyon 2 Santa Rosa	R-15 ci	R-5 ci	R-5 ci	0.42	0.25	Y	N	N	W42HC	4	364.8	na	0	na	0.2		
CZ03 CZ04	3 Oakland 4 San Jose-Reid 5 Santa Maria	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	N	W42HC	4	364.8	na	0	na	0.0		
CZ06	5 Santa Wana 6 Torrance 7 San Diego-Lindbergh 8 Fullerton																	
CZOS	9 Burbank-Glendale 0 Riverside 1 Red Bluff	R-5 ci	na	R-5 ci	0.42	0.25	Y	N	N	W42HC	4	364.8	na	0	na	0.0	Series W	8H-W60H /all-Mount
C711	2 Sacramento 3 Fresno 4 Palmdale				These states											3.6	W42HC W48HC W60HC	
CZ12 CZ12	5 Palm Spring-Intl	R-5 ci	na	R-5 ci	0.42	0.25	Y AM	N S 108x40	N	W42HC	4	364.8	na	0	na	5.4		ir Sophomore
CZ12 CZ12 CZ14		Roof	Ground Floor R-value <sup>2</sup>	Metal Stud Wall R-value <sup>3</sup>	Window U-factor⁴	Window SHGC <sup>4</sup>	Air Barrier (Y/N)	Cool Roof (Y/N)	CO Sensor (Y/N)	FC-1 Unit Type⁵	Number of FC-1 Units <sup>6</sup>	OSA per FC-1 (cfm) <sup>7</sup>	FC-2 Unit Type⁵	Number of FC-2 Units <sup>6</sup>	OSA per FC-2 (cfm) <sup>7</sup>	Design PV (kW DC)	SysAir 4T SysAir 5T	T
CZ12 CZ13 CZ14 CZ14 CZ14		Rigid R- value <sup>1</sup>	earue	R-Value R-5 ci	0.42	0.25	(Y/N) Y	(Y/N) N	(Y/N) N	W42HC	3	(crm) 364.8	W42HC	1	(crm) 547.2	0.0 0.0		Notes
CZ12 CZ13 CZ14 CZ15 CZ14 CZ15 CZ16 CZ01 CZ16	e Reference City 1 Arcata 6 Blue Canyon	-	R-15 ci		0.42	0.25	Y	N	N	W42HC	3	364.8	W42HC	1	547.2	0.0 0.0		1
Climat CCI CCI CCI CCI CCI CCI CCI CC	e Reference City 1 Arcata 5 Blue Canyon 2 Santa Rosa 3 Oakland 4 San Jose-Reid	value <sup>1</sup>	R-15 ci na	R-5 ci			-									0.0		2
Climat cZ12 CZ14 CZ14 CZ15 CZ07 CZ07 CZ07 CZ06 CZ07 CZ06 CZ07 CZ06 CZ07 CZ06 CZ07 CZ06 CZ07 CZ06 CZ07 CZ06 CZ07 CZ07 CZ07 CZ07 CZ17 CZ17 CZ17 CZ17 CZ17 CZ17 CZ17 CZ1	Reference City       1     Arcata       5     Blue Canyon       2     Santa Rosa       3     Oakland       4     San Jose-Reid       5     Santa Maria       6     Torrance       7     San Diego-Lindbergh	value <sup>1</sup> R-15 ci		R-5 ci														4
C212 C213 C214 C214 C214 C214 C214 C216 C200 C200 C200 C200 C200 C200 C200 C20	Reference City       Arcata       Blue Canyon       Santa Rosa       Oakland       Santa Maria       Santa Maria       Torrance       San Diego-Lindbergh       Fullerton       Burbank-Glendale       Riverside	value <sup>1</sup> R-15 ci		R-5 ci R-5 ci	0.42	0.25	Y	N	Y	SysAir 4T	3	364.8	SysAir 4T	1	547.2	0.0		5
C212 C213 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214 C214	Reference City       Arcata       Blue Canyon       Santa Rosa       Oakland       Santa Maria       Santa Maria       Grance       Santa Maria       Burbank-Glendale       Riverside       Receibling       Saramento       Fresno	value <sup>1</sup> R-15 ci R-5 ci	na			0.25	Y	N	Y	SysAir 4T	3	364.8	SysAir 4T	1	547.2			
C212 C213 C214 C214 C214 C214 C214 C214 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C20 C2	Reference City       Arcata       Blue Canyon       Santa Rosa       Oakland       4 San Jose-Reid       5 Santa Maria       6 Torrance       7 San Diego-Lindbergh       8 Fullerton       9 Burbank-Glendale       0 Riverside       1 Red Bluff       2 Sacramento	value <sup>1</sup> R-15 ci R-5 ci	na			0.25	Y	N	Y	SysAir 4T SysAir 4T	3	364.8	SysAir 4T SysAir 4T	1	547.2	0.0		5
Cilimature Construction Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimature Cilimatur	e Reference City Arcata Arcata Subscription Santa Rosa Cashand San Jose-Reid Santa Maria San Jose-Reid Santa Maria Forance Subscription Brullerton Burbank-Glendale Riverside Riverside Riverside Red Bluff Scaramento Fresno Palm Spring-Intl	value <sup>1</sup> R-15 ci R-5 ci R-5 ci R-5 ci Roof Rigid R-	na na na Ground Floor	R-5 ci R-5 ci Metal Stud Wall	0.42 0.42 Window	0.25 Window	Y AM: Air Barrier	N <b>S 120x40</b> Cool Roof	Y CO Sensor	SysAir 4T FC-1	3 Number of	364.8 OSA per FC-1	SysAir 4T FC-2	1 Number of	547.2 OSA per FC-2	1.5 2.2 De sign PV		5 6 7 <b>System</b> <sup>8</sup>
C2112 C213 C214 C214 C214 C214 C214 C214 C214 C216 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C211 C200 C200 C200 C211 C211 C211 C211 C211 C211 C210 C200 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C211 C211 C211 C211 C211 C211 C211 C211 C211 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210 C210	e Reference City 1 Arcata 6 Blue Canyon 2 Santa Rosa 3 Oakland 4 San Jose-Reid 5 Santa Maria 6 Torrance 7 San Diego-Lindbergh 8 Fullerton 9 Burbank-Glendale 0 Riverside 1 Red Bluff 2 Sacramento 3 Fresno 4 Palmdale 5 Palm Spring-Intl te	value <sup>1</sup> R-15 ci R-5 ci R-5 ci R-5 ci	na	R-5 ci R-5 ci Metal Stud	0.42	0.25	Y	N S 120x40	Y	SysAir 4T	3	364.8	SysAir 4T	1	547.2	1.5 2.2	- The kW - PV pane	5 6 7 System <sup>8</sup> ( DC OPV requered and the second se
Climate Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Contro	Reference City       Arcata       Blue Canyon       Santa Rosa       Oakland       Santa Maria       Torrance       Torrance       Burbank-Glendale       Riverside       Red Bluff       Sarcamento       Fresno       4       Palm Spring-Intl	value <sup>1</sup> R-15 ci R-5 ci R-5 ci R-5 ci Roof Rigid R- value <sup>1</sup>	na na na Ground Floor R-value <sup>2</sup>	R-5 ci R-5 ci Metal Stud Wall R-value <sup>3</sup>	0.42 0.42 Window U-factor <sup>4</sup>	0.25 Window SHGC <sup>4</sup>	Y Air Barrier (Y/N)	N <b>S 120x40</b> Cool Roof (Y/N)	Y CO Sensor (Y/N)	SysAir 4T FC-1 Unit Type <sup>5</sup>	3 Number of FC-1 Units <sup>6</sup>	364.8 OSA per FC-1 (cfm) <sup>7</sup>	SysAir 4T FC-2 Unit Type <sup>5</sup>	1 Number of FC-2 Units <sup>6</sup>	547.2 OSA per FC-2 (cfm) <sup>7</sup>	1.5 2.2 De sign PV (kW DC)	- The kW - PV pane	5 6 7 <b>System <sup>8</sup></b> 7 DC OPV requel Azimuth is
Z Climan	Reference City       Arcata       Blue Canyon       Santa Rosa       Oakland       Santa Rosa       Oakland       Santa Rosa       Oakland       Santa Rosa       Torrance       Torrance       Santa Maria       Fullerton       Burbank-Glendale       Riverside       Red Bluff       Saromento       Fresno       Palmdale       Palm Spring-Intl       Vereta       Acrata       Blue Canyon       Santa Rosa       Oakland	value <sup>1</sup> R-15 ci R-5 ci R-5 ci R-5 ci Roof Rigid R- value <sup>1</sup> R-15 ci	na na na Ground Floor R-value <sup>2</sup> R-5 ci	R-5 ci R-5 ci Metal Stud Wall R-value <sup>3</sup> R-5 ci	0.42 0.42 Window U-factor <sup>4</sup> 0.42	0.25 Window SHGC <sup>4</sup> 0.25	Y AM: Air Barrier (Y/N) Y	N <b>5 120x40</b> Cool Roof (Y/N) N	Y CO Sensor (Y/N) N	SysAir 4T FC-1 Unit Type <sup>5</sup> W42HC	3 Number of FC-1Units <sup>6</sup> 5	364.8 OSA per FC-1 (cfm) <sup>7</sup> 364.8	SysAir 4T FC-2 Unit Type <sup>5</sup> na	1 Number of FC-2 Units <sup>6</sup> 0	547.2 OSA per FC-2 (cfm) <sup>7</sup> na	1.5 2.2 De sign PV (kW DC) 0.0	- The kW - PV pane	5 6 7
C212 C212 C212 C214 C214 C214 C214 C214 C214 C214 C214 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200 C200	e Reference City 1 Arcata 6 Blue Canyon 2 Santa Rosa 3 Oakland 4 San Jose-Reid 5 Santa Maria 6 Torrance 7 San Diego-Lindbergh 8 Fullerton 9 Burbank-Glendale 0 Riverside 1 Red Bluff 2 Sacramento 3 Fresno 4 Palmdale 5 Palm Spring-Intl 7 te te te Reference City 1 Arcata 6 Blue Canyon 2 Santa Rosa 3 Oakland 4 San Jose-Reid 5 Santa Maria 6 Torrance	value <sup>1</sup> R-15 ci R-5 ci R-5 ci R-5 ci Roof Rigid R- value <sup>1</sup> R-15 ci	na na na Ground Floor R-value <sup>2</sup> R-5 ci	R-5 ci R-5 ci Metal Stud Wall R-value <sup>3</sup> R-5 ci	0.42 0.42 Window U-factor <sup>4</sup> 0.42	0.25 Window SHGC <sup>4</sup> 0.25	Y AM: Air Barrier (Y/N) Y	N <b>5 120x40</b> Cool Roof (Y/N) N	Y CO Sensor (Y/N) N	SysAir 4T FC-1 Unit Type <sup>5</sup> W42HC	3 Number of FC-1Units <sup>6</sup> 5	364.8 OSA per FC-1 (cfm) <sup>7</sup> 364.8	SysAir 4T FC-2 Unit Type <sup>5</sup> na	1 Number of FC-2 Units <sup>6</sup> 0	547.2 OSA per FC-2 (cfm) <sup>7</sup> na	1.5 2.2 De sign PV (kW DC) 0.0	- The kW - PV pane	5 6 7 <b>System <sup>8</sup></b> 7 DC OPV requel Azimuth is

				FORMATION	Î				PC DESIGN	N REVIEW IN	FORMATION	١				PC DESIGN	REVIEWIN	FORMATION					PC DESIGN	<b>REVIEW INF</b>	FORMATION		
	Model Name and Option:	Title 24-20 AMS 24x40	022, Part 6, En Calc	nergy Code ulation Date/Time	of Energy Repor	t: 9/3/2023		Model Name and Option:		022, Part 6, En Calcu		of Energy Report:	9/3/2023		Model Name and Option:		022, Part 6, En Calcu	ergy Code Ilation Date/Time	of Energy Repor	t: 9/3/2023		Model Name and Option:		022, Part 6, Ene Calcu	e <b>rgy Code</b> Ilation Date/Time of	Energy Report	t: 9/3/2023
	Total Floor Area: HVAC System Type:	960 VSHP			DSA Application			Total Floor Area: HVAC System Type:	1440 VSHP			DSA Application:			Total Floor Area: HVAC System Type:	1920 VSHP			DSA Application			Total Floor Area: HVAC System Type:	2400 VSHP			SA Application	
CZ Group	Climate Zone 16 Blue Canyon	Metric	Standard Design	Proposed Design	Margin	Worst Case	CZ Group	Climate Zone 16 Blue Canyon	Metric	Standard Design	Proposed Design	Margin	Worst Case	CZ Group	Climate Zone 16 Blue Canyon	Metric	Standard Design	Proposed Design	Margin	Worst Case	CZ Group	Climate Zone 16 Blue Canyon	Metric	Standard Design	Proposed Design	Margin	Worst Case
	30°	TDV-E TDV-T	289.3 289.3	248.3 248.3	40.9 40.9			30°	TDV-E TDV-T	279.4 279.4	230.9 230.9	48.5 48.5			30°	TDV-E TDV-T	267.2 267.2	221.6 221.6	45.6 45.6			30°	TDV-E TDV-T	263.0 263.0	221.7 221.7	41.3 41.3	
		SOURCE	39.0	23.7	15.3			30	SOURCE	36.4	21.5	14.9		-	30	SOURCE	34.0	21.0	13.1			30	SOURCE	33.4	20.5	12.9	
	75°	TDV-E TDV-T	295.8 295.8	249.3 249.3	46.6 46.6			75°	TDV-E TDV-T	291.1 291.1	231.3 231.3	59.9 59.9			75°	TDV-E TDV-T	277.2 277.2	223.4 223.4	53.8 53.8			75°	TDV-E TDV-T	275.0 275.0	224.0 224.0	51.0 51.0	
		SOURCE TDV-E	39.2 291.8	23.8 249.2	15.4 42.6				SOURCE TDV-E	36.7 278.0	21.5 230.1	15.2 47.8				SOURCE TDV-E	34.5 268.7	21.1 223.4	13.4 45.3				SOURCE TDV-E	33.8 262.7	20.7 223.3	13.1 39.4	
	120°	TDV-T SOURCE	291.8 39.0	249.2 23.8	42.6 15.2			120°	TDV-T SOURCE	278.0 35.9	230.1 21.4	47.8 14.5			120°	TDV-T SOURCE	268.7 34.1	223.4 21.2	45.3 13.0			120°	TDV-T SOURCE	262.7 33.2	223.3 20.6	39.4 12.5	
	165°	TDV-E TDV-T	275.6 275.6	247.9 247.9	27.7 27.7	Worst Case Worst Case		165°	TDV-E TDV-T	269.3 269.3	227.8 227.8	41.4 41.4			165°	TDV-E TDV-T	254.1 254.1	221.1 221.1	33.0 33.0	Worst Case Worst Case		165°	TDV-E TDV-T	254.0 254.0	219.8 219.8	34.1 34.1	
A		SOURCE TDV-E	38.3 292.8	23.7 248.9	14.7 43.9	Worst Case	Α		SOURCE TDV-E	35.5 278.3	21.2 229.1	14.3 49.2		Α		SOURCE TDV-E	33.5 271.8	21.0 222.1	12.5 49.6	Worst Case	Α		SOURCE TDV-E	32.7 262.1	20.3 221.0	12.4 41.2	
	210°	TDV-T SOURCE	292.8 39.2	248.9	43.9			210°	TDV-T SOURCE	278.3 36.1	229.1 21.3	49.2			210°	TDV-T SOURCE	271.8 34.3	222.1	49.6			210°	TDV-T SOURCE	262.1 33.2	221.0 20.4	41.2	
	255%	TDV-E	302.1 302.1	249.0	53.0			255°	TDV-E TDV-T	279.5 279.5	231.0 231.0	48.5		-	255°	TDV-E TDV-T	283.5 283.5	223.4	60.1 60.1			055°	TDV-E TDV-T	270.8 270.8	223.8	47.0	
	255°	TDV-T SOURCE	39.4	249.0 23.8	53.0 15.7			200	SOURCE	36.0	21.5	14.6		-	255	SOURCE	34.7	223.4 21.1	13.6			255°	SOURCE	33.6	223.8 20.6	13.0	
	300°	TDV-E TDV-T	291.2 291.2	248.3 248.3	42.9 42.9			300°	TDV-E TDV-T	275.1 275.1	231.6 231.6	43.5 43.5			300°	TDV-E TDV-T	271.8 271.8	222.8 222.8	49.0 49.0			300°	TDV-E TDV-T	263.9 263.9	223.8 223.8	40.1 40.1	
		SOURCE TDV-E	38.9 279.9	23.7 246.9	15.2 32.9				SOURCE TDV-E	35.9 261.8	21.6 230.0	14.3 31.7	Worst Case	-		SOURCE TDV-E	34.1 258.1	21.1 220.2	13.0 37.9				SOURCE TDV-E	33.3 251.6	20.7 220.7	12.6 30.9	Worst Case
	345°	TDV-T SOURCE	279.9 38.3	246.9 23.6	32.9 14.8			345°	TDV-T SOURCE	261.8 35.5	230.0 21.4	31.7 14.1	Worst Case Worst Case		345°	TDV-T SOURCE	258.1 33.4	220.2 20.9	37.9 12.6			345°	TDV-T SOURCE	251.6 32.7	220.7 20.4	30.9 12.3	Worst Case Worst Case
cz	Climate Zone 05	Azimuth (Front	Standard	Proposed	Margin	Worst Case	cz	Climate Zone 05	Azimuth (Front	Standard	Proposed	Margin	Worst Case	CZ	Climate Zone 05	Azimuth (Front	Standard	Proposed	Margin	Worst Case	cz	Climate Zone 05	Azimuth (Front	Standard	Proposed	Margin	Worst Case
Group	Santa Maria	Orientation) TDV-E	Design 201.7	Design 128.7	73.0		Group	Santa Maria	Orientation) TDV-E	Design 189.1	Design 111.0	78.1		Group	Santa Maria	Orientation) TDV-E	Design 190.3	Design 120.3	70.0		Group	Santa Maria	Orientation) TDV-E	Design 185.2	Design 120.4	64.8	
	30°	TDV-E TDV-T SOURCE	201.7	128.7	73.0			30°	TDV-T SOURCE	189.1 17.8	111.0 11.4	78.1			30°	TDV-T SOURCE	190.3 17.6	120.3	70.0			30°	TDV-T SOURCE	185.2	120.4	64.8 5.5	
		TDV-E	202.2	128.4	73.8			75°	TDV-E TDV-T	189.2 189.2	110.0 110.0	79.1 79.1			750	TDV-E	190.3	120.2	70.2			750	TDV-E	185.3	120.6	64.7	
	75°	TDV-T SOURCE	202.2 19.1	128.4 13.1	73.8 5.9			75	SOURCE	17.8	11.3	6.4	Warst Oraci	-	75°	TDV-T SOURCE	190.3 17.6	120.2 12.1	70.2 5.5			75°	TDV-T SOURCE	185.3 17.2	120.6 11.8	64.7 5.5	
	120°	TDV-E TDV-T	222.5 222.5	128.0 128.0	94.5 94.5			120°	TDV-E TDV-T	181.1 181.1	109.6 109.6	71.5 71.5	Worst Case Worst Case		120°	TDV-E TDV-T	211.2 211.2	119.4 119.4	91.7 91.7			120°	TDV-E TDV-T	177.1 177.1	120.0 120.0	57.2 57.2	Worst Case Worst Case
		SOURCE TDV-E	20.8 220.0	13.1 127.8	7.7 92.2				SOURCE TDV-E	17.0 188.8	11.3 109.6	5.8 79.2	Worst Case	-		SOURCE TDV-E	19.4 208.0	12.1 118.9	7.3 89.1				SOURCE TDV-E	16.5 180.8	11.7 119.1	4.8 61.7	Worst Case
	165°	TDV-T SOURCE	220.0 20.6	127.8 13.1	92.2 7.5		В	165°	TDV-T SOURCE	188.8 17.8	109.6 11.3	79.2 6.5		В	165°	TDV-T SOURCE	208.0 19.2	118.9 12.0	89.1 7.1		D	165°	TDV-T SOURCE	180.8 16.9	119.1 11.6	61.7 5.2	
B	210°	TDV-E TDV-T	197.3 197.3	128.6 128.6	68.7 68.7		D	210°	TDV-E TDV-T	197.2 197.2	111.1 111.1	86.1 86.1		D	210°	TDV-E TDV-T	185.6 185.6	120.0 120.0	65.6 65.6	Worst Case Worst Case	B	210°	TDV-E TDV-T	188.2 188.2	120.4 120.4	67.8 67.8	
	210	SOURCE TDV-E	18.6 197.0	13.2	5.5				SOURCE TDV-E	18.4 192.9	11.4 110.6	7.1 82.3				SOURCE TDV-E	17.2 215.6	12.1	5.1 96.2	Worst Case			SOURCE TDV-E	17.4 187.9	11.7	5.7 67.1	
	255°	TDV-T	197.0	127.6	69.4			255°	TDV-T SOURCE	192.9 18.1	110.6 11.3	82.3 6.7			255°	TDV-T	215.6 19.7	119.4	96.2 7.7			255°	TDV-T SOURCE	187.9	120.8	67.1 5.7	
		SOURCE TDV-E	18.6 218.4	13.1 127.2	5.5 91.3			2008	TDV-E	183.4 183.4	110.1	73.2				SOURCE TDV-E	206.5	12.0 119.0	87.5				TDV-E	178.7	120.1	58.6	
	300°	TDV-T SOURCE	218.4 20.4	127.2 13.0	91.3 7.4			300°	TDV-T SOURCE	17.3	110.1 11.4	73.2 5.9			300°	TDV-T SOURCE	206.5 19.0	119.0 12.0	87.5 7.0			300°	TDV-T SOURCE	178.7 16.7	120.1 11.7	58.6 4.9	
	345°	TDV-E TDV-T	193.7 193.7	127.5 127.5	66.3 66.3	Worst Case Worst Case		345°	TDV-E TDV-T	182.8 182.8	110.1 110.1	72.7 72.7			345°	TDV-E TDV-T	211.8 211.8	118.8 118.8	93.0 93.0			345°	TDV-E TDV-T	178.4 178.4	119.1 119.1	59.2 59.2	
	Olimete Zene 40	SOURCE Azimuth	18.3	13.1	5.3	Worst Case	CZ	Climate Zone 13	SOURCE Azimuth	17.3 Standard	11.4 Proposed	5.9		07	Climate Zone 13	SOURCE Azimuth	19.4	12.0	7.4		07	Climate Zone 13	SOURCE Azimuth	16.7 Chan dead	11.7 December 1	5.0	
CZ Group	Climate Zone 13 Fresno	(Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case	Group	Fresno	(Front Orientation)	Design	Design	Margin	Worst Case	CZ Group	Fresno	(Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case	CZ Group	Fresno	(Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case
	30°	TDV-E TDV-T	315.5 315.5	235.7 235.7	79.8 79.8			30°	TDV-E TDV-T	208.0 208.0	171.9 171.9	36.0 36.0			30°	TDV-E TDV-T	296.6 296.6	221.7 221.7	74.9 74.9			30°	TDV-E TDV-T	289.6 289.6	216.0 216.0	73.6 73.6	
		SOURCE TDV-E	25.0 325.9	17.9	7.1				SOURCE TDV-E	15.1 204.9	12.4 174.9	2.7 30.0	Worst Case	-		SOURCE TDV-E	23.2 307.3	16.7 225.9	6.5 81.4				SOURCE TDV-E	22.8 299.1	16.0 221.0	6.8 78.1	
	75°	TDV-T	325.9	238.3	87.6			75°	TDV-T SOURCE	204.9 15.2	174.9 12.4	30.0 2.8	Worst Case	-	75°	TDV-T SOURCE	307.3 24.0	225.9 16.9	81.4			75°	TDV-T SOURCE	299.1 23.4	221.0	78.1 7.2	
		SOURCE TDV-E	25.8 321.2	18.0 237.8	7.8 83.5			120°	TDV-E TDV-T	212.4	174.1 174.1	38.3 38.3		-		TDV-E	301.6	224.8	76.8				TDV-E	294.2	16.2 220.1	74.1	
	120°	TDV-T SOURCE	321.2 25.5	237.8 18.0	83.5 7.5			120	SOURCE	15.1	12.4	2.7			120°	TDV-T SOURCE	301.6 23.6	224.8 16.9	76.8 6.7			120°	TDV-T SOURCE	294.2 23.1	220.1 16.2	74.1 6.9	
	165°	TDV-E TDV-T	298.7 298.7	233.8 233.8	64.9 64.9	Worst Case Worst Case		165°	TDV-E TDV-T	286.8 286.8	169.6 169.6	117.2 117.2			165°	TDV-E TDV-T	280.3 280.3	219.2 219.2	61.2 61.2			165°	TDV-E TDV-T	274.9 274.9	213.8 213.8	61.1 61.1	Worst Case Worst Case
<b>C</b> –		SOURCE TDV-E	23.7 311.0	17.8 235.6	5.9 75.5	Worst Case	С		SOURCE TDV-E	22.7 211.9	12.1 172.9	10.6 39.0		С		SOURCE TDV-E	21.9 291.7	16.6 221.2	5.4 70.5	Worst Case	С		SOURCE TDV-E	21.7 290.9	15.8 216.2	5.9 74.6	Worst Case
	210°	TDV-T SOURCE	311.0 24.7	235.6 17.9	75.5			210°	TDV-T SOURCE	211.9 15.3	172.9 12.4	39.0 2.9			210°	TDV-T SOURCE	291.7 22.9	221.2 16.8	70.5 6.2			210°	TDV-T SOURCE	290.9 22.9	216.2 16.0	74.6 6.9	
	255°	TDV-E	318.8	237.5	81.3			255°	TDV-E TDV-T	207.4 207.4	177.3 177.3	30.1 30.1		-	255°	TDV-E TDV-T	300.3 300.3	224.7 224.7	75.6 75.6			255°	TDV-E TDV-T	301.8 301.8	221.7	80.1	
	255°	TDV-T SOURCE	318.8 25.2	237.5 17.9	81.3 7.2				SOURCE TDV-E	15.4 214.5	12.5 176.4	2.9			200	SOURCE	23.4 296.3	16.9	6.6			200	SOURCE	23.6	221.7 16.2 220.7	80.1 7.4 75.3	
	300°	TDV-E TDV-T	315.2 315.2	236.6 236.6	78.6			300°	TDV-T SOURCE	214.5	176.4 12.5	38.0			300°	TDV-E TDV-T	296.3	224.1 224.1	72.2			300°	TDV-E TDV-T	296.0	220.7 220.7	75.3 75.3	
		SOURCE TDV-E	24.9 301.0	17.9 233.4	7.0 67.5			0450	TDV-E	204.4	170.3	34.2				SOURCE TDV-E	23.1 280.0	16.8 219.0	6.3 61.0	Worst Case			SOURCE TDV-E	23.2 277.3	16.2 213.9	7.0 63.4	
	345°	TDV-T SOURCE	301.0 23.8	233.4 17.7	67.5 6.1			345°	TDV-T SOURCE	204.4 14.7	170.3 12.2	34.2 2.5	Worst Case		345°	TDV-T SOURCE	280.0 22.0	219.0 16.5	61.0 5.4	Worst Case		345°	TDV-T SOURCE	277.3 21.8	213.9 15.8	63.4 6.0	
CZ Group	Climate Zone 15 Palm Spring-Intl	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case	CZ Group	Climate Zone 15 Palm Spring-Intl	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case	CZ Group	Climate Zone 15 Palm Spring-Intl	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case	CZ Group	Climate Zone 15 Palm Spring-Intl	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case
	30°	TDV-E TDV-T SOURCE	345.7 345.7 24.8	270.2 270.2 17.0	75.5 75.5 7.8			30°	TDV-E TDV-T SOURCE	326.4 326.4 23.4	203.4 203.4 12.2	123.0 123.0 11.2			30°	TDV-E TDV-T SOURCE	319.2 231.5 19.2	257.1 218.6 14.7	62.2 12.9 4.5			30°	TDV-E TDV-T SOURCE	311.4 223.7 18.7	284.4 211.6 15.8	27.1 12.1 2.9	
	750	TDV-E	359.0	271.7	87.3			75°	TDV-E TDV-T	339.2 339.2	205.9 205.9	133.3 133.3			75°	TDV-E TDV-T	337.7 249.9	260.0	77.6			750	TDV-E	324.6 236.9	288.3	36.3	
	15	TDV-T SOURCE	359.0 25.8	271.7	87.3 8.7				SOURCE TDV-E	24.4 330.4	12.3 205.1	12.1			15	SOURCE	20.5	222.3 14.9	27.6 5.6			15	TDV-T SOURCE	19.7	217.0 16.2	19.8 3.5	
	120°	TDV-E TDV-T	356.4 356.4	270.5 270.5	85.9 85.9			120°	TDV-T SOURCE	330.4	205.1	125.4			120°	TDV-E TDV-T	332.9 245.2	258.4 221.8	74.5 23.4			120°	TDV-E TDV-T	324.3 236.6	287.2 217.9	37.2 18.7	
		SOURCE TDV-E	25.6 331.4	17.1 267.5	8.6 63.9			4052	TDV-E	23.6 237.3	12.2 202.0	35.3				SOURCE TDV-E	20.1 305.9	14.9 253.6	5.3 52.3	Worst Case			SOURCE TDV-E	19.5 303.0	16.2 282.1	3.3 21.0	
	165°	TDV-T SOURCE	331.4 23.6	267.5 16.8	63.9 6.8		D	165°	TDV-T SOURCE	237.3 14.5	202.0	35.3 2.5		D	165°	TDV-T SOURCE	218.1 18.0	215.0 14.4	3.1 3.6	Worst Case Worst Case	D	165°	TDV-T SOURCE	215.3 17.9	209.1 15.5	6.2 2.4	
ש	210°	TDV-E TDV-T	342.0 342.0	269.7	72.2			210°	TDV-E TDV-T	252.3 252.3	204.9 204.9	47.3 47.3		U	210°	TDV-E TDV-T	321.9 234.1	256.3 217.8	65.6 16.4		U	210°	TDV-E TDV-T	316.2 228.4	285.0 212.1	31.2 16.3	
	2 IV	SOURCE	24.7	17.0	72.2				SOURCE TDV-E	15.7 264.4	12.3 207.8	3.4 56.6				SOURCE TDV-E	19.5 335.5	14.7	4.8				SOURCE TDV-E	19.0 331.7	15.9 289.0	3.1 42.7	
	255°	TDV-E TDV-T	352.7	271.2 271.2	81.4 81.4			255°	TDV-T SOURCE	264.4 16.4	207.8	56.6 4.0			255°	TDV-T	247.8	221.6	26.1			255°	TDV-T	244.0	217.7	26.3	
		SOURCE TDV-E	25.4 345.4	17.1 270.4	8.4 75.0			300°	TDV-E	254.2	205.9	48.3				SOURCE TDV-E	20.5 327.1	14.9 258.7	5.6 68.4				SOURCE TDV-E	20.1 326.6	16.2 287.2	3.9 39.4	
	300°	TDV-T SOURCE	345.4 24.8	270.4 17.0	75.0 7.8			500	TDV-T SOURCE	15.8	205.9 12.3	48.3	Moret C-		300°	TDV-T SOURCE	239.3 19.7	220.8 14.7	18.6 5.0			300°	TDV-T SOURCE	238.8 19.7	215.5 16.0	23.3 3.7	
	345°	TDV-E TDV-T	329.3 329.3	268.0 268.0	61.4 61.4	Worst Case Worst Case		345°	TDV-E TDV-T	235.8 235.8	201.6 201.6	34.2 34.2	Worst Case Worst Case		345°	TDV-E TDV-T	309.0 221.3	254.6 216.0	54.5 5.3			345°	TDV-E TDV-T	302.0 214.2	281.8 208.8	20.1 5.4	Worst Case Worst Case
		SOURCE	23.4	16.8	6.6	Worst Case	1		SOURCE	14.3	12.0	2.4	Worst Case	1		SOURCE	18.2	14.4	3.8		1		SOURCE	17.8	15.5	2.3	Worst Case

				HVAC Specifica	tion Table		Cooling	Heating
Bard W18H-W60H	Capacity	Cooling	Heating	Supply Fan	Supply Fan	Supply Fan	Efficiency	Efficiency
Series Wall-Mount	(Ton)	(Btu/h)	(Btu/h)	CV/VFD	(CFM)	(HP)	(EER)	(COP)
W42HC	3.5	42,000	39,000	CV	1,350	0.50	11.0	3.3
W48HC	4.0	47,500	42,500	CV	1,550	0.75	11	3.3
W60HC	4.5	54,500	52,500	CV	1,750	0.75	11.0	3.3
Systemair Sophomore	2							
SysAir 3T	3.0	35,600	32,400	VFD	1,100	0.50	11.1	3.41
SysAir 4T	4.0	47,500	44,800	VFD	1,600	0.50	11.0	3.54
SysAir 5T	5.0	57,100	56,200	VFD	1,800	0.75	11.0	3.39
Notes								
	Indicates devia	tion from predo	minant design					
	Indicates System	mair Sophomore	e HVAC unit					
1	<b>Rigid insulation</b>	R-value added	above the R-19	Roof Structure	oer detail			
2	<b>Rigid</b> insulation	R-value added	to the exterior l	R-13 Metal Stud	walls, per detai	l		
3	<b>Rigid insulation</b>	R-value below	the ground floor	slab				
4	NFRC Tested W	indow U-factor	and SHGC					
5	HVAC Unit Spec	cification						
6	Total number o	f specified HVA	C units in PC					
7	Design Ouside	Air (OSA / cfm) (	per HVAC unit pe	r Section H3. or	the Title 24 repo	orts		
PV System <sup>8</sup>								
- The kW DC OPV requ	uired for complian	ce is indicated i	n this table.					
- PV panel Azimuth is	based on the PC o	prientation, see	Section F1 on pg	. 9 of the Title 2	4 report for deta	ils		
- PV panel = 5 degree								
puller - 5 degree	20.000000000000000000000000000000000000	and made arrept						

	ICATE OF COMPLIANCE					NRCC-SAB-
prescri perfori multife readin	iptive solar thermal requirer mance approach, this docun amily ten stories or fewer, ho	ments in 170.2(d)3C f ment demonstrates co otel/motel ten stories litions to nonresident	or multifamily and hotel/ ompliance with mandatory or fewer or all other nonre ial, multifamily or hotel/mo	notel occupanci solar readiness sidential buildi otel building typ	ies. When PV/battery/solar t s requirements in 110.10/16 ings three stories or fewer. It pes which add more than 2,0	idential, multifornily and mixed-use buildings and hermal requirements don't apply or are traded using the 0.8 for newly constructed buildings which are either is also used to demonstrate compliance with solar N00 ft <sup>2</sup> of roof area. Alterations, or additions of less than complete this document.
	Name: AMS PC 24-120x40			, ,	ort Page:	(Page 1 of 7
Project	t Address:			Date	Prepared:	2023-10-10T21:09:32-04:0
	NERAL INFORMATION	1				
	roject Location (city)	Palm Spring-Intl		04	Building Occupancies	School or Classroom
-	limate Zone	15		05	Construction Type	New construction
03 C	conditioned Floor Area (ft <sup>2</sup> )	4800		06	Number of Stories	Bldg <= 3 stories
ne co	mpliance path the project is	s using to comply per	110.10(b)1B/ 140.10/ 170.	z(g ana n) is in	aicatea below.	
Compl	liance with Solar Readiness	Requirements in 11(	10/b)1B			
Compl	liance with Solar Readiness	Requirements in 110	0.10(b)1B	01		
Compl	liance with Solar Readiness Provide Solar Ready Area r				n the roof plan per requirem	ents in <u>\$110.10(b)</u> , as documented in Table F.
		no exceptions	The project has allocated The project includes a per	a solar zone or manently insta	alled solar electric system ha	ents in <u>\$110.10(b)</u> , as documented in Table F. ving a nameplate DC power rating, measured under f roof area as documented in Table G.
	Provide Solar Ready Area r Exception to Solar Ready A	no exceptions Area: Installed Solar	The project has allocated The project includes a per Standard Test Conditions, The project is a hotel/mol	a solar zone or rmanently insta of no less thar tel or high-rise	alled solar electric system ha n one watt per square foot o multifamily occupancy and	ving a nameplate DC power rating, measured under
	Provide Solar Ready Area r Exception to Solar Ready A Photovoltaic System Exception to Solar Ready A	no exceptions Area: Installed Solar Area: Installed Solar Area: Smart	The project has allocated The project includes a per Standard Test Conditions, The project is a hotel/mot water-heating system con The project is a multifami	a solar zone or rmanently insta of no less thar tel or high-rise nplying with 17 ly occupancy w	alled solar electric system ha none watt per square foot o multifamily occupancy and 0.2(d)3C and Reference Res	ving a nameplate DC power rating, measured under f roof area as documented in Table G. includes a permanently installed domestic solar idential Appendix RA4, as documented in Table H. a dwelling unit comply with <u>\$110.12(a)</u> AND at least one
	Provide Solar Ready Area r Exception to Solar Ready A Photovoltaic System Exception to Solar Ready A Water Heating System Exception to Solar Ready A Thermosta and Alternativ	no exceptions Area: Installed Solar Area: Installed Solar Area: Smart re Energy Efficiency Area: Roof is	The project has allocated The project includes a per Standard Test Conditions, The project is a hotel/mot water-heating system con The project is a multifami additional measure listed	a solar zone or rmanently insta of no less thar tel or high-rise nplying with 17 ly occupancy w in Exception 4	alled solar electric system ha none watt per square foot o multifamily occupancy and 0.2(d)3C and Reference Res where all thermostats in each	ving a nameplate DC power rating, measured under (roof area as documented in Table G. ncludes a permanently installed domestic solar idential Appendix RAA, as documented in Table H. ndwelling unit comply with <u>\$110,12(a)</u> AND at least one , as documented in Table I.
	Provide Solar Ready Area r Exception to Solar Ready A Photovoltaic System Exception to Solar Ready A Water Heating System Exception to Solar Ready A Thermostat and Alternativ Measure Exception to Solar Ready A designed for vehicular traf	no exceptions Area: Installed Solar Area: Smart re Energy Efficiency Area: Roof is ffic, parking or for	The project has allocated The project includes a per Standard Test Conditions, The project is a hote/mon water-heating system con The project is a multifami additional measure listed Plan sheet showing roof d	a solar zone or rmanently insta of no less thar tel or high-rise nplying with 17 ly occupancy w in Exception 4 lesigned for ve	alled solar electric system ha o one watt per square foot o multifamily occupancy and 0.2(d)3C and Reference Res where all thermostats in each to <u>\$110.10(b)18</u> is installed	ving a nameplate DC power rating, measured under f roof area as documented in Table G. niculdes a permanently installed domestic solar idential Appendix RA4, as documented in Table H. a dwelling unit comply with <u>\$110.12(a)</u> AND at least one , as documented in Table I.
	Provide Solar Ready Area Exception to Solar Ready A Photovoltaic System Exception to Solar Ready A Water Heating System Exception to Solar Ready A Thermostat and Alternativ Measure Exception to Solar Ready A designed for vehicular traf heliport	no exceptions Area: Installed Solar Area: Installed Solar Area: Smart re Energy Efficiency Area: Roof is ffic, parking or for Area: Roof too small	The project has allocated The project includes a per Standard Test Conditions, The project is a hote/mon water-heating system con The project is a multifami additional measure listed Plan sheet showing roof d The project is new constru-	a solar zone or rmanently insta of no less thar tel or high-rise nplying with 17 ly occupancy w in Exception 4 lesigned for ve	alled solar electric system ha one watt per square foot o multifamily occupancy and (0.2(d)3C and Reference Res where all thermostats in each to <u>\$110.10(b)18</u> is installed hicular traffic, parking or hel	ving a nameplate DC power rating, measured under f roof area as documented in Table G. Includes a permanently installed domestic solar idential Appendix RA4, as documented in Table H. a dwelling unit comply with <u>\$110.12(a)</u> AND at least one , as documented in Table I.
	Provide Solar Ready Area a Exception to Solar Ready A Photovoltaic System Exception to Solar Ready A Water Heating System Exception to Solar Ready A designed for vehicular traff heliport Exception to Solar Ready A Exception to Solar Ready A	no exceptions area: Installed Solar Area: Installed Solar Area: Smart Trea: Smart Trea: Roof is ffic, parking or for Area: Roof too small Area: Number of	The project has allocated The project includes a per Standard Test Conditions, The project is a hote/mon water-heating system con The project is a multifami additional measure listed Plan sheet showing roof d The project is new constrr The project is nonresiden	a solar zone or rmanently insta of no less thar tel or high-rise plying with 17 ly occupancy w in Exception 4 lesigned for ve uction and has tial > 3 stories	alled solar electric system ha one wait per square foot o multifamily occupancy and 0.2(d)3C and Reference Res v/here all thermostats in each to <u>\$110.10(b)1B</u> is installed hicular traffic, parking or hel a total roof area <= 533 squ or multifamily/ hotel/motel	ving a nameplate DC power rating, measured under f roof area as documented in Table G. Includes a permanently installed domestic solar idential Appendix RAA, as documented in Table H. a dwelling unit comply with <u>\$110.12(a)</u> AND at least one , as documented in Table I. liport are feet <sup>1</sup> > 10 stories.
	Provide Solar Ready Area Exception to Solar Ready A Photovoltaic System Exception to Solar Ready A Water Heating System Exception to Solar Ready A Measure Exception to Solar Ready A designed for vehicular traf heliport Exception to Solar Ready A Exception to Solar Ready A Exception to Solar Ready A	no exceptions area: Installed Solar Area: Installed Solar Area: Smart Trea: Smart Trea: Roof is ffic, parking or for Area: Roof too small Area: Number of	The project has allocated The project includes a per Standard Test Conditions, The project is a hote/mon water-heating system con The project is a multifami additional measure listed Plan sheet showing roof d The project is new constrr The project is nonresiden	a solar zone or rmanently insta of no less thar tel or high-rise plying with 17 ly occupancy w in Exception 4 lesigned for ve uction and has tial > 3 stories	alled solar electric system ha one watt per square footo U multifamily occupancy and 10.2(d)3C and Reference Res where all thermostats in each to <u>\$110.10(b)1B</u> is installed hicular traffic, parking or hel a total roof area <= 533 squ or multifamily/ hotel/motel therefore exempt per 110.1	ving a nameplate DC power rating, measured under f roof area as documented in Table G. Includes a permanently installed domestic solar idential Appendix RAA, as documented in Table H. a dwelling unit comply with <u>\$110.12(a)</u> AND at least one , as documented in Table I. liport are feet <sup>1</sup> > 10 stories.



	IFICATE OF CO	OMPLIANCE			NRCC-
Proje	t Name: Al	MS PC 24-120x40		Report Page:	(Page
		.4		Date Prepared:	2023-10-10T21:09:32
Comp	liance with Sol	ar Photovoltaic (PV) and Battery I	Requirements in 140.10/ 1	70.2(g and h)	
	Drouidod D\/	system and battery storage sized	The project has included	01	system per requirements in 140.10/ 170.2(g and h) a
		170.2 (g and h)	documented in Table J.	an installed PV system and battery storage	system per requirements in 140.10/ 170.2(g and ii) a
	Exception to Access Roof	PV and Battery: Not enough Solar Area	The total of all available S documented in Table J.	iolar Access Roof Area(s) of the project site	is less than three percent of the conditioned floor an
	Exception to 4kW	PV and Battery: Required PV <	The required PV system s	ize is less than 4 kW dc as documented in	Fable J
	Exception to Solar Access	PV and Battery: No contiguous Roof Area	The Solar Access Roof An	ea(s) of the project site contains less than 8	80 contiguous square feet as documented in Table J.
	Exception to load	PV and Battery: Can't meet snow			verified it is not possible for the PV system, including of structure, to meet ASCE 7-16 Chapter 7, Snow Load
		PV and Battery: Multi-tenant M or Community Solar	The project is a multi-ten (VNEM) or community so		g entity does not provide either a Virtual Net Meterin
$\boxtimes$	The prescript	ive PV/battery requirement has be	een traded off using the pe	rformance compliance approach as docum	ented on the PRF Certificate of Compliance form.
Comp	liance with Sol	ar Thermal Water Heating Requir	ements in 170.2(d)3C (Mu	Itifamiily and hotel/ motel occupancies or	nly)
comp				01	
comp			ily occupancy with a gas o		rves 2+ dwelling units) and includes a permanently in
				rence Residential Appendix RA4, as docum	ented in Table H.
.omp			ily occupancy with a gas or		
	domestic sola		with 170.2(d)3C and Refe	rence Residential Appendix RA4, as docum	ented in Table H.
	domestic sola	ar water-heating system to comply	with 170.2(d)3C and Refe	rence Residential Appendix RA4, as docum	ented in Table H.
	domestic sola	ar water-heating system to comply	with 170.2(d)3C and Refe	rence Residential Appendix RA4, as docum	ented in Table H.
	domestic sola	ar water-heating system to comply	with 170.2(d)3C and Refe	rence Residential Appendix RA4, as docum	ented in Table H.
	domestic sola	ar water-heating system to comply	with 170.2(d)3C and Refe	rence Residential Appendix RA4, as docum	ented in Table H.

EN.1A



CLIENT PROJ NO: 3595001000

ENERGY CALCULATIONS SUMMATION SHEET

HIRSCH ES - TK CLASSROOM

DATE: 04/03/24

SHEET:

HIRSCH ELEMENTARY SCHOOL

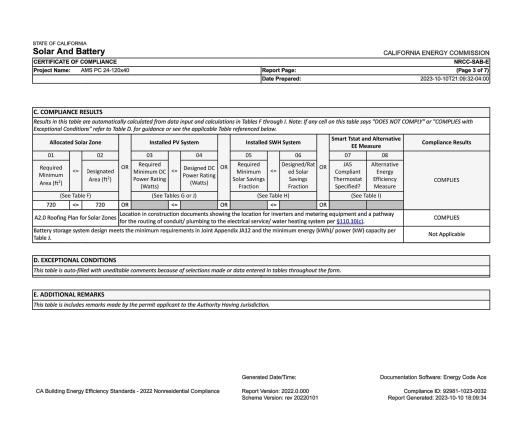
TRACY HMC Architects 916 368 7990 / www.hmcarchitects.com DATE

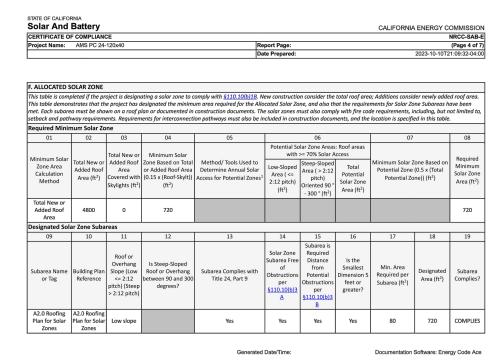
3/20/25

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC

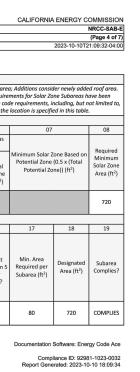
APP: 02-122973 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 03/12/2025

	PC		REVIEW IN 22, Part 6, En	FORMATION ergy Code					N REVIEW IN 2022, Part 6, En	FORMATION hergy Code						REVIEW IN 22, Part 6, En	FORMATION ergy Code						REVIEW INF 022, Part 6, Ene		1					N REVIEW IN 2022, Part 6, Ei	
	Model Name and Option: Total Floor Area: HVAC System Type:	PC 72x40 2880 VSHP	Calcu	lation Date/Time of Energy DSA App			Model Name and Option Total Floor Area HVAC System Type	3360	Calc	ulation Date/Time	of Energy Rep DSA Applicat	CARDON CONTRACTOR CONTRACTOR		Model Name and Option: Total Floor Area: HVAC System Type:	3840	Calcu	ulation Date/Time	of Energy Repor DSA Applicatior			Model Name and Option: Total Floor Area: HVAC System Type:	AMS 108x40 4320 VSHP	Calcu	lation Date/Time	of Energy Rep DSA Applicat			Model Name and Option Total Floor Area HVAC System Type	a: 4800	Cak	culation
CZ Group	Climate Zone 16 Blue Canyon	Metric	Standard Design	Proposed Mary Design	gin Worst Case	CZ Group		Metric	Standard Design	Proposed Design	Margin	Worst Case	CZ Group	Climate Zone 16 Blue Canyon	Metric	Standard Design	Proposed Design	Margin	Worst Case	CZ Group	Climate Zone 16 Blue Canyon	Metric	Standard Design	Proposed Design	Margin	Worst Case	CZ Group	Climate Zone 16 Blue Canyon	Metric	Standard Design	
	30°	TDV-E TDV-T SOURCE	258.8 258.8 32.4	217.8 41. 217.8 41. 19.8 12	.0		30°	TDV-E TDV-T SOURCE	222.2 182.6 33.8	201.8 168.7 17.4	20.4 13.9 16.4			30°	TDV-E TDV-T SOURCE	255.6 216.0 30.0	208.5 207.0 19.6	47.1 9.0 10.4			30°	TDV-E TDV-T SOURCE	254.3 214.7 29.0	193.0 193.0 17.9	61.3 21.7 11.2			30°	TDV-E TDV-T SOURCE	253.4 213.8 29.5	_
	75°	TDV-E TDV-T SOURCE	265.8 265.8 32.7	220.8 45. 220.8 45. 220.8 45. 20.0 12.	.1		75°	TDV-E TDV-T SOURCE	231.4 191.8 34.2	204.0 171.7 17.6	27.4 20.1 16.6			75°	TDV-E TDV-T	267.3 227.7 30.6	211.0 209.5	56.3 18.2			75°	TDV-E TDV-T	268.1 228.5 29.7	196.2 196.2	71.9 32.3			75°	TDV-E TDV-T SOURCE	265.3 225.7 30.1	_
	120°	TDV-E TDV-T	260.7 260.7	220.7 40. 220.7 40.	.0 .0		120°	TDV-E TDV-T	223.9 184.3	203.5 172.4	20.4 11.9			120°	SOURCE TDV-E TDV-T	257.2 217.6	19.8 211.0 209.6	10.8 46.3 8.1			120°	SOURCE TDV-E TDV-T	256.3 216.7	18.1 195.7 195.7	11.6 60.6 21.0			120°	TDV-E TDV-T	255.1 215.5	
	165°	SOURCE TDV-E TDV-T	32.5 246.6 246.6	20.1         12.           217.4         29.           217.4         29.	.1 Worst Case			SOURCE TDV-E TDV-T	33.8 212.5 172.9	17.7 200.3 167.0	16.1 12.2 5.8			165°	SOURCE TDV-E TDV-T	30.1 284.6 245.0	19.8 208.1 206.6	10.3 76.5 38.4			165°	SOURCE TDV-E TDV-T	29.1 267.6 228.0	18.1 191.9 191.9	11.0 75.7 36.1			165°	SOURCE TDV-E TDV-T	29.6 282.2 242.6	
Α	210°	SOURCE TDV-E TDV-T	31.8 259.6 259.6	19.8         12.           218.3         41.           218.3         41.	.3	A		SOURCE TDV-E TDV-T	33.1 221.6 182.0	17.3 201.4 168.3	15.8 20.2 13.7		Α	210°	SOURCE TDV-E TDV-T	40.3 260.9 221.3	19.6 209.1 207.6	20.7 51.8 13.7		Α	210°	SOURCE TDV-E TDV-T	35.4 255.7 216.1	17.8 192.6 192.6	17.6 63.2 23.6		Α	210°	SOURCE TDV-E TDV-T	39.8 258.7 219.1	
		SOURCE TDV-E TDV-T	32.5 272.1 272.1	19.8         12.           220.6         51.           220.6         51.	.7 .4		 	SOURCE TDV-E TDV-T	33.8 229.2 189.6	17.4 203.7 171.4	16.4 25.6 18.3			255°	SOURCE TDV-E TDV-T	30.3 273.7 234.1	19.6 211.0 209.5	10.7 62.7			255°	SOURCE TDV-E	29.1 268.1 228.5	17.8 195.2	11.3 72.9				SOURCE TDV-E	29.8 271.8 232.2	_
		SOURCE TDV-E	33.0 259.5	20.0 12. 220.1 39.	.9 .4			SOURCE TDV-E	34.2 223.4	17.6 203.6	16.6 19.9				SOURCE TDV-E	30.8 261.3	19.8 210.3	24.6 11.1 50.9				TDV-T SOURCE TDV-E	29.7 257.4	195.2 18.0 194.8	33.3 11.6 62.6			255°	TDV-T SOURCE TDV-E	30.4 259.0	_
	300°	TDV-T SOURCE TDV-E	259.5 32.3 250.1	220.1 39 20.0 12 216.7 33	.3		300°	TDV-T SOURCE TDV-E	183.8 33.9 209.3	171.0 17.6 200.7	12.9 16.2 8.6	Worst Case		300°	TDV-T SOURCE TDV-E	221.7 30.2 246.8	208.9 19.8 207.3	12.8 10.4 39.5	Worst Case		300°	TDV-T SOURCE TDV-E	217.8 29.1 239.5	194.8 18.0 191.5	23.0 11.1 47.9	Worst Case	-	300°	TDV-T SOURCE TDV-E	219.4 29.7 244.3	
		TDV-T SOURCE Azimuth	250.1 31.8	216.7 33. 19.7 12.			345°	TDV-T SOURCE Azimuth	169.7 33.1	167.4 17.4	2.3 15.7	Worst Case Worst Case		345°	TDV-T SOURCE Azimuth	207.2 29.4	205.8 19.5	1.4 9.9	Worst Case Worst Case		345°	TDV-T SOURCE Azimuth	199.9 28.2	191.5 17.7	8.3 10.4	Worst Case Worst Case		345°	TDV-T SOURCE Azimuth	204.7 28.9	_
CZ Group	Climate Zone 05 Santa Maria	(Front Drientation) TDV-E	Standard Design 186.7	Proposed Design Mary 114.9 71.	•	CZ Group		(Front Orientation) TDV-E	Standard Design 146.3	Proposed Design 112.2	Margin 34.1	Worst Case Worst Case	CZ Group	Climate Zone 05 Santa Maria	(Front Orientation) TDV-E	Standard Design 184.3	Proposed Design 116.3	Margin 68.0	Worst Case	CZ Group	Climate Zone 05 Santa Maria	(Front Orientation) TDV-E	Standard Design 178.8	Proposed Design 110.7	Margin 68.1	Worst Case Worst Case	CZ Group	Climate Zone 05 Santa Maria	(Front Orientation) TDV-E	Standard Design 183.1	4
	30°	TDV-T SOURCE	186.7 17.2 186.7	114.9 71. 11.2 6.	.8 1		30°	TDV-T SOURCE	106.5 11.6	105.2 10.9	1.3 0.7	Worst Case Worst Case		30°	TDV-T SOURCE	144.5 15.1	116.3 11.5	28.2 3.6			30°	TDV-T SOURCE	139.0 14.5	110.7 10.9	28.3 3.6	Worst Case Worst Case Worst Case		30°	TDV-T SOURCE	143.3 15.0	
	75°	TDV-E TDV-T SOURCE	186.7 17.3	115.3         71.           115.3         71.           115.3         71.           11.2         6.0	.4		75°	TDV-E TDV-T SOURCE	146.6 106.8 11.6	112.0 105.2 10.9	34.6 1.6 0.7			75°	TDV-E TDV-T SOURCE	184.3 144.5 15.2	116.3 116.3 11.5	68.0 28.2 3.6			75°	TDV-E TDV-T SOURCE	199.4 159.6 16.2	110.9 110.9 11.0	88.5 48.7 5.3			75°	TDV-E TDV-T SOURCE	214.0 174.2 17.6	
	120°	TDV-E TDV-T SOURCE	177.8 177.8 16.5	114.3 63. 114.3 63. 11.2 5.3	.5	_	120°	TDV-E TDV-T SOURCE	187.7 147.9 15.5	111.3 104.7 10.9	76.3 43.1 4.6			120°	TDV-E TDV-T SOURCE	205.2 165.4 17.0	115.5 115.5 11.5	89.6 49.8 5.5			120°	TDV-E TDV-T SOURCE	190.9 151.1 15.6	110.1 110.1 10.9	80.8 41.0 4.7			120°	TDV-E TDV-T SOURCE	204.0 164.2 16.9	_
	165°	TDV-E TDV-T SOURCE	175.6 175.6 16.3	113.3 62. 113.3 62. 11.1 5.:	.3		165°	TDV-E TDV-T SOURCE	189.7 149.9 15.7	110.8 103.9 10.8	78.9 46.0 4.8			165°	TDV-E TDV-T SOURCE	201.6 161.8 16.7	114.6 114.6 11.5	87.0 47.2 5.2			165°	TDV-E TDV-T SOURCE	191.2 151.4 15.6	109.3 109.3 10.9	81.9 42.1 4.8			165°	TDV-E TDV-T SOURCE	200.4 160.6 16.6	
B	210°	TDV-E TDV-T	182.1 182.1 16.9	114.3 67. 114.3 67.	.8 .8	В	210°	TDV-E TDV-T	149.7 109.9	112.1 105.2	37.6 4.7		B	210°	TDV-E TDV-T	179.5 139.7	115.8 115.8	63.7 23.9	Worst Case Worst Case	B	210°	TDV-E TDV-T	198.6 158.8	110.6 110.6	88.0 48.2		B	210°	TDV-E TDV-T	207.4 167.6	
	255°	SOURCE TDV-E TDV-T	182.1 182.1	11.2         5.7           114.6         67           114.6         67	.5		255°	SOURCE TDV-E TDV-T	11.9 197.2 157.4	10.9 111.8 105.0	1.0 85.4 52.4			255°	SOURCE TDV-E TDV-T	14.8 209.5 169.7	11.5 115.8 115.8	3.2 93.8 54.0	Worst Case		255°	SOURCE TDV-E TDV-T	16.2 199.2 159.4	10.9 110.6 110.6	5.3 88.5 48.7			255°	SOURCE TDV-E TDV-T	17.1 208.3 168.5	
	300°	SOURCE TDV-E TDV-T	16.8 173.6 173.6	11.2 5. <sup>-</sup> 113.9 59. 113.9 59.	.6 Worst Case		300°	SOURCE TDV-E TDV-T	16.3 188.1 148.3	10.9 111.2 104.5	5.4 76.9 43.9			300°	SOURCE TDV-E TDV-T	17.3 200.8 161.0	11.5 115.0 115.0	5.8 85.8 46.1			300°	SOURCE TDV-E TDV-T	16.2 190.5 150.7	10.9 109.8 109.8	5.3 80.8 41.0			300°	SOURCE TDV-E TDV-T	17.1 199.7 159.9	
	345°	SOURCE TDV-E TDV-T	16.1 178.8 178.8	11.1         5.0           113.3         65.           113.3         65.	.6			SOURCE TDV-E TDV-T	15.5 188.5 148.7	10.9 110.8 103.9	4.7 77.7 44.8				SOURCE TDV-E	16.6 205.6 165.8	11.5 114.5	5.2 91.1				SOURCE TDV-E	15.5 191.6 151.8	10.9 109.2	4.7 82.4			345°	SOURCE TDV-E TDV-T	16.5 204.4 164.6	
cz		SOURCE Azimuth	16.6 Standard	11.1 5.	5	cz	Climate Zone 13	SOURCE Azimuth	15.6 Standard	10.8 Proposed	4.7	Maret Casa	CZ	345° Climate Zone 13	TDV-T SOURCE Azimuth	17.0 Standard	114.5 11.4 Proposed	51.3 5.6		CZ	345° Climate Zone 13	TDV-T SOURCE Azimuth	15.6 Standard	109.2 10.8 Proposed	42.6		cz	Climate Zone 13	SOURCE Azimuth	16.8 Standard	+
Group		(Front Drientation) TDV-E	Design 201.4	Design         Marg           172.2         29.	.2	Grou		(Front Orientation) TDV-E	Design 238.2	Design 169.5	Margin 68.8	Worst Case	Group	Fresno	(Front Orientation) TDV-E	Design 286.6	Design 214.7	Margin 71.9	Worst Case	Group	Fresno	(Front Orientation) TDV-E	Design 252.5	Design 166.6	Margin 85.9	Worst Case	Group	Fresno	(Front Orientation) TDV-E	Design 284.6	+
	30°	TDV-T SOURCE TDV-E	150.2 12.6 207.8	138.1         12.           10.8         1.3           178.9         29.	8		30°	TDV-T SOURCE TDV-E	187.0 15.9 244.3	169.5 11.9 174.9	17.5 4.1 69.3	Worst Case		30°	TDV-T SOURCE TDV-E	235.3 20.5 298.0	214.7 16.1 219.9	20.6 4.3 78.1			30°	TDV-T SOURCE TDV-E	201.2 17.3 260.0	166.6 11.7 172.7	34.6 5.6 87.3			30°	TDV-T SOURCE TDV-E	233.3 20.3 296.1	_
_	75°	TDV-T SOURCE TDV-E	156.6 12.9 207.4	145.1         11.           11.1         1.4           177.4         30.	8		75°	TDV-T SOURCE TDV-E	193.0 16.4 259.1	174.9 12.1 173.9	18.1 4.3 85.2			75°	TDV-T SOURCE TDV-E	246.7 21.2 291.6	219.9 16.4 218.5	26.8 4.9 73.1			75°	TDV-T SOURCE TDV-E	208.7 17.8 256.8	172.7 11.9 171.2	36.0 5.8 85.6			75°	TDV-T SOURCE TDV-E	244.9 21.1 289.7	_
	120°	TDV-T SOURCE TDV-E	156.1 12.7 272.2	144.5 11. 11.1 1. 169.3 102	.7 7		120°	TDV-T SOURCE TDV-E	207.8 17.3 244.3	173.9 12.1 167.2	33.9 5.3 77.1			120°	TDV-T SOURCE	240.3 20.8	218.5 16.4	21.8 4.5	Want Care		120°	TDV-T SOURCE	205.5 17.4	171.2 11.9	34.4 5.6			120°	TDV-T SOURCE	238.4 20.7 268.3	_
C	165°	TDV-T SOURCE	220.9 19.5	135.5 85. 10.6 9.0	.4	С	165°	TDV-T SOURCE	193.0 16.4	167.2 11.7	25.8 4.7		C	165°	TDV-E TDV-T SOURCE	270.2 218.9 19.2	212.0 212.0 16.0	58.2 7.0 3.2	Worst Case Worst Case Worst Case	C	165°	TDV-E TDV-T SOURCE	265.9 214.6 18.8	163.6 163.6 11.4	102.3 51.0 7.3		C	165°	TDV-E TDV-T SOURCE	217.0 19.0	
	210°	TDV-E TDV-T SOURCE	198.9 147.7 12.5	171.4         27.           137.3         10.           10.8         1.	.4		210°	TDV-E TDV-T SOURCE	234.6 183.3 16.0	169.8 169.8 11.9	64.9 13.6 4.1		0	210°	TDV-E TDV-T SOURCE	281.8 230.5 20.2	214.2 214.2 16.2	67.6 16.3 4.0			210°	TDV-E TDV-T SOURCE	250.4 199.1 17.1	166.1 166.1 11.6	84.3 33.0 5.4	Worst Case		210°	TDV-E TDV-T SOURCE	279.7 228.5 20.0	
	255°	TDV-E TDV-T SOURCE	203.5 152.3 12.6	177.5 26. 143.7 8.0 11.1 1.4	6	_	255°	TDV-E TDV-T SOURCE	239.9 188.6 16.4	175.5 175.5 12.2	64.4 13.1 4.2	Worst Case Worst Case		255°	TDV-E TDV-T SOURCE	291.0 239.8 20.8	218.8 218.8 16.4	72.3 21.0 4.4			255°	TDV-E TDV-T SOURCE	261.8 210.6 17.7	173.0 173.0 11.9	88.8 37.6 5.8			255°	TDV-E TDV-T SOURCE	289.3 238.0 20.6	_
	300°	TDV-E TDV-T SOURCE	198.7 147.4 12.2	176.3 22. 143.4 4.1 11.0 1.3	0 Worst Case		300°	TDV-E TDV-T SOURCE	242.0 190.8 16.2	174.3 174.3 12.1	67.8 16.5 4.1			300°	TDV-E TDV-T SOURCE	286.4 235.1 20.4	217.8 217.8 16.3	68.6 17.3 4.1			300°	TDV-E TDV-T SOURCE	255.9 204.7 17.3	171.9 171.9 11.8	84.0 32.8 5.5	Worst Case Worst Case	-	300°	TDV-E TDV-T SOURCE	284.5 233.2 20.2	
	345°	TDV-E TDV-T SOURCE	272.2 220.9 19.6	169.2 103 135.5 85 10.5 9.0	3.0 .4		345°	TDV-E TDV-T SOURCE	243.9 192.6 16.5	167.2 167.2 11.7	76.7 25.4 4.8			345°	TDV-E TDV-T	270.6 219.3	211.9 211.9	58.7 7.5			345°	TDV-E TDV-T	266.7 215.5	164.2 164.2	102.5 51.3			345°	TDV-E TDV-T SOURCE	268.7 217.5	_
CZ Group	Climate Zone 15 Palm Spring-Intl	Azimuth (Front	Standard Design	Proposed Marg		CZ Grou	Climate Zone 15 Palm Spring-Intl	Azimuth (Front	Standard Design	Proposed Design	Margin	Worst Case	CZ Group	Climate Zone 15 Palm Spring-Intl	SOURCE Azimuth (Front	19.3 Standard Design	15.9 Proposed Design	3.4 Margin	Worst Case	CZ	Climate Zone 15 Palm Spring-Intl	SOURCE Azimuth (Front	18.8 Standard Design	11.4 Proposed Design	7.4 Margin	Worst Case	CZ Group	Climate Zone 15 Palm Spring-Intl	Azimuth (Front	19.1 Standard Design	T
	30°	Drientation) TDV-E TDV-T	234.7 146.9	206.1 28. 143.0 3.9	9	)	30°	Orientation) TDV-E TDV-T	289.0 201.2	206.2 174.2	82.7 27.0			30°	Orientation) TDV-E TDV-T	309.4 221.6	250.4 203.1	59.0 18.5			30°	Orientation) TDV-E TDV-T	308.0 220.2	198.9 181.7	109.1 38.5			30°	Orientation) TDV-E TDV-T	307.5 219.7	+
		SOURCE TDV-E TDV-T	10.9 248.2 160.4	9.9         1.1           211.0         37.           149.3         11.		_		SOURCE TDV-E TDV-T	15.6 300.1 212.3	11.1 211.1 179.7	4.5 89.0 32.6			75°	SOURCE TDV-E TDV-T	18.4 321.6 233.8	13.9 254.3 208.0	4.4 67.2 25.8			75°	SOURCE TDV-E TDV-T	18.3 321.9 234.2	11.3 204.3 187.6	7.0 117.6 46.6			75°	SOURCE TDV-E TDV-T	18.2 319.8 232.0	-
		SOURCE TDV-E TDV-T	11.6 239.8 152.0	10.2         1.4           209.0         30.           149.1         2.9	4 .8	•	120°	SOURCE TDV-E TDV-T	16.3 296.0 208.2	11.4 209.4 179.0	4.9 86.6 29.2				SOURCE TDV-E	19.3 320.6	14.2 252.3	5.0 68.3				SOURCE TDV-E	19.3 312.6	11.5 202.6	7.7 110.0				SOURCE TDV-E	19.1 318.4 230.7	
		SOURCE TDV-E	11.0 296.1	10.1         0.4           202.4         93.	8 Worst Case .6			SOURCE TDV-E	15.8 274.8	11.3 203.4	4.6 71.4			120°	TDV-T SOURCE TDV-E	232.8 19.0 290.6	207.4 14.1 246.7	25.4 4.9 43.9	Worst Case		120°	TDV-T SOURCE TDV-E	224.9 18.5 267.7	186.4 11.4 195.7	38.5 7.1 72.0	Worst Case		120°	TDV-T SOURCE TDV-E	18.9 288.6	-
D		TDV-T SOURCE TDV-E	208.3 17.3 308.7	139.2         69.           9.5         7.           204.7         103	9 3.9	D	165°	TDV-T SOURCE TDV-E	187.0 14.4 287.6	171.3 10.8 206.5	15.7 3.5 81.0		D	165°	TDV-T SOURCE TDV-E	202.8 16.9 311.8	199.3 13.6 249.5	3.5 3.3 62.2	Worst Case Worst Case	D	165°	TDV-T SOURCE TDV-E	180.0 14.5 309.6	178.6 10.9 198.8	1.4 3.5 110.8	Worst Case Worst Case	D	165°	TDV-T SOURCE TDV-E	200.8 16.7 309.8	
		TDV-T SOURCE TDV-E	220.9 18.5 323.3	141.7         79.           9.8         8.           210.0         113	7		210°	TDV-T SOURCE TDV-E	199.8 15.6 276.0	174.5 11.2 211.3	25.3 4.4 64.7			210°	TDV-T SOURCE TDV-E	224.0 18.6 326.8	202.2 13.9	21.7 4.7 73.2			210°	TDV-T SOURCE TDV-E	221.8 18.4	181.7 11.3	40.1 7.1 96.0			210°	TDV-T SOURCE TDV-E	222.1 18.5 325.0	
	255°	TDV-T SOURCE TDV-E	235.5 19.6 313.5	148.3 87. 10.2 9.4 208.9 104	.2 4		255°	TDV-T SOURCE TDV-E	188.2 15.3 284.3	180.0 11.4 210.0	8.3 3.9 74.3			255°	TDV-T SOURCE	239.0 19.8	253.5 207.2 14.2	31.8 5.6			255°	TDV-T SOURCE	301.1 213.4 17.0	205.1 188.3 11.6	25.0 5.4			255°	TDV-T SOURCE	237.3 19.6	
	300°	TDV-T SOURCE	225.7 18.7	146.8 78. 9.9 8.4	.9 8		300°	TDV-T SOURCE	196.6 15.2	178.5 11.2	18.1 4.0	14/		300°	TDV-E TDV-T SOURCE	317.1 229.3 18.8	252.7 206.1 14.0	64.4 23.2 4.9			300°	TDV-E TDV-T SOURCE	293.1 205.4 16.2	203.5 186.7 11.4	89.6 18.7 4.9			300°	TDV-E TDV-T SOURCE	315.2 227.4 18.7	
	345°	TDV-E TDV-T SOURCE	300.6 212.9 17.6	203.2 97. 140.0 72. 9.5 8.	.8		345°	TDV-E TDV-T SOURCE	260.9 173.2 13.5	203.6 171.6 10.8	57.3 1.6 2.7	Worst Case Worst Case Worst Case		345°	TDV-E TDV-T SOURCE	298.7 211.0	247.7 200.3 13.6	51.1 10.7			345°	TDV-E TDV-T	269.8 182.0	196.2 179.1	73.6 3.0			345°	TDV-E TDV-T SOURCE	296.8 209.0 17.2	_





CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220101



Solar And Battery	CALIF	FORNIA ENERGY COMMISSI
CERTIFICATE OF COMPLIANCE		NRCC-SA
Project Name: AMS PC 24-120x40	Report Page: Date Prepared:	(Page 5 c 2023-10-10T21:09:32-04
Interconnection Pathways		
Location in construction documents showing the location for inverters and met the electrical service/ water heating system per <u>§110.10(c)</u> .	ering equipment and a pathway for the routing of conduit/ plumbing	to A2.0 Roofing Plan for Sola Zones
<sup>1</sup> FOOTNOTE: This field is used to document how the percentage of annual solar the solar insolation without shade. Shading from obstructions located on the ro		
G. PERMANENTLY INSTALLED SOLAR PV FOR SOLAR READY EXCEPTION		
This section does not apply to this project.		
H. PERMANENTLY INSTALLED SOLAR HOT WATER SYSTEMS		
This section does not apply to this project.		
I. SMART THERMOSTATS AND ALTERNATIVE EFFICIENCY MEASURE FOR	SOLAR READY EXCEPTION	
This section does not apply to this project.		
This section does not upply to this project.		
J. PHOTOVOLTAIC (PV) AND BATTERY SYSTEMS		
J. PHOTOVOLTAIC (PV) AND BATTERY SYSTEMS This section does not apply to this project.		
J. PHOTOVOLTAIC (PV) AND BATTERY SYSTEMS		
PHOTOVOLTAIC (PV) AND BATTERY SYSTEMS This section does not apply to this project.      K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION Selections have been made based on information provided in this document. If additional Remarks and ExceptionalConditionMessagetCCSABE += UserChanged		
J. PHOTOVOLTAIC (PV) AND BATTERY SYSTEMS This section does not apply to this project. K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION Selections have been made based on information provided in this document. If Additional Remarks and ExceptionalConditionMessagetCCSABE += UserChanged	SelectionInCl. These documents must be provided to the building insp Form/Title	
I. PHOTOVOLTAIC (PV) AND BATTERY SYSTEMS This section does not apply to this project. K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION Selections have been made based on information provided in this document. If a Additional Remarks and ExceptionalConditionMessageCCSABE += UserChanged be found online	SelectionInCl. These documents must be provided to the building insp Form/Title	
I. PHOTOVOLTAIC (PV) AND BATTERY SYSTEMS This section does not apply to this project. K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION Selections have been made based on information provided in this document. If a Additional Remarks and ExceptionalConditionMessageCCSABE += UserChanged be found online	SelectionInCl. These documents must be provided to the building insp Form/Title r readiness or PV/Battery requirements.	

CERTIFICATE OF COMPLIANCE		
Project Name: AMS PC 24-120x40	Report Page:	· · · · · · · · · · · · · · · · · · ·
-	Date Prepared:	2023-10-10T2
L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPT	ANG	
L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPT. There are no forms required for this project.	ANCE	

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220101

Generated Date/Time:

ISHP Standard	nergy Code ulation Date/Time o	of Energy Report DSA Application									HMC Architect 3595001000 2101 CAPITOL AVENUE, SUITE 100 SACRAMENTO, CA 95816 916 368 7990 / www.hmcarchitects.com
Design           DV-E         253.4           DV-T         213.8           URCE         29.5	Proposed Design 205.8 205.8 19.3	Margin 47.6 8.0 10.2	Worst Case								ISSUE
DV-E         265.3           DV-T         225.7           URCE         30.1           DV-T         225.7           URCE         30.1           DV-T         225.7           URCE         29.6           DV-T         226.2           DV-E         282.2           DV-E         282.2           DV-T         242.6           URCE         39.8           DV-T         219.1           URCE         39.8           DV-T         225.7           DV-T         219.4           URCE         29.7           DV-T         219.4           URCE         29.7           DV-T         204.7           URCE         29.7           DV-T         204.7           URCE         16.0           DV-T         143.3           DV-T         144.3           URCE         16.6           DV-T         164.2           URCE         16.6           DV-T         166.6           URCE         16.5           URCE         16.5           URCE         16.5	208.5         208.5         208.5         208.5         208.5         205.5         205.5         205.5         206.5         208.5         206.5         208.5         206.5         206.5         208.5         208.5         208.5         208.5         208.5         208.5         208.5         208.5         208.5         208.5         208.5         208.5         208.5         208.5         208.5         207.9         207.9         207.9         204.7         204.7         204.7         204.7         204.7         204.7         204.7         204.7         204.7         204.7         204.7         204.7         204.7         204.7         204.7         205.1         213.3         114.1         114.1	56.8         17.2         10.5         46.6         7.0         10.0         76.6         37.0         20.4         52.2         12.6         10.4         63.3         23.7         10.8         51.1         11.5         10.1         39.7         0.1         9.6         Margin         67.7         27.9         3.6         98.5         58.7         6.2         89.3         49.5         5.4         86.6         46.8         5.2         92.4         52.6         5.6         93.3         53.5         5.7         85.5         45.7         5.10         5.5         Margin         71.2         20.0         4.3         77.7         5.10         5.5         Margin	Worst Case Worst Case Worst Case Worst Case Worst Case Worst Case Worst Case				The second secon	DEPARTIENT OF GE	anteca, CA 95336 Fax (209) 825-7018 nodular.com	EMENT S) PRIETARY D HEREIN, WARKS OF IGINATING FICATIONS, MITTED, Y OR I THE JRNISHING DF, ANY INTS, VRITTEN BUITON TO IBLICATION TY OR NG	
URCE         18.9           DV-E         288.6           DV-T         200.8           URCE         16.7           DV-E         309.8           DV-T         222.1           URCE         18.5           DV-T         235.0           DV-T         237.3           URCE         19.6           DV-T         227.4           URCE         18.7           DV-E         296.8           DV-T         209.0           URCE         17.2	14.0         245.2         196.1         13.4         248.1         199.1         13.8         252.4         204.4         14.0         251.5         203.2         13.8         246.3         197.1         13.4	4.9 43.4 4.7 3.3 61.7 23.0 4.7 72.6 32.9 5.6 63.7 24.3 4.9 50.5 11.9 3.8 StATE OI Solar CERTIF Project Project Project Project Project City/State City/State	ation Author Name: Irsman Marsman Consulting 1150 J Street #409 21p: San Diego, CA 92101 <b>ISBLE PERSON'S DECLAR</b> following under penalty of perjur The information provided on this 1 am eligible under Division 3 of t The energy features and perform of Title 24, Part 1 and Part 6 of th The building design features or 9 plans and specifications submitte Inspections. I understand that a c e Designer Name: Randell P Cavann American Modular 787 Sprackels Ave 21p: Manteca, CA 9533	CLARATION STATEMENT  Sompliance documentation is accurate and complete.      Documental     Signature D.     CEA/ HERS     CEA/ HERS     CEA/ HERS     The laws of the State of California:     Certificate of Compliance is true and correct.     He Busines and Professions Code to accept responsibility for the building design on     ace specifications, materials, components, and manufactured devices for the buil     california: Coefficient of Campliance is true and correct.     the desines and Professions Code to accept responsibility for the building design on     california: Coefficient of Compliance is required devices for the buil     california: Coefficient of Compliance are consistent wil     d to the efforcement agency for approval with this building permit application.     mend especifications efforting eshalbe match the building     meleted signed copy of this Certificate of Compliance is required to be included v     Systems   Gen7 Schools     Lue	tion Author Signature: ate: certification Identification (if applicat (619) 573-6374 r system design Identified on this Cer ding design or system design Identifi th the Information provided on other germit(s) issued for the building, ar with the documentation the builder 1. Designer Signature: Designer Signature: Designer Signature: 209.825.1921 Time: D022.0.000	estimation of the second secon	UNLE	NERGY CALC	AND NOT FOR CONSTRUCTION GN PROFESSIONAL OF RECORD. NS CULATIONS N SHEET		FACILITY: HIRSCH ELEMENTARY SCHO 1280 DOVE DR. TRACY, CA 95376 PROJECT: HIRSCH ES - TK CLASSROOM SHEET NAME: ENERGY CALCULATIONS SUI



CLIENT PROJ NO: 3595001000

ALCULATIONS SUMMATION SHEET

- TK CLASSROOM

MENTARY SCHOOL

TRACY Architects 000 VENUE, SUITE 100 CA 95816 ww.hmcarchitects.com DATE 3/20/25



CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PER Nonresidential Performance Compliance Method Project Name:		15 PC 36x40 Date Prepared:	NRCC-PRF-E (Page 1 of 18) 2023-09-03	CERTIFICATE OF COM Nonresidential Perfo			MANCE COMPLIANC	E METHOD		
A. General Information           1         Project Name         AMS PC 36x40			2023-03-03	<b>B. PROJECT SUMMARY</b> Table B shows which b permit application.	uilding componen			ation. If indicated as n		project must show comp
2     Run Title     Title 24 Analysis       3     Project Location     Image: Content of the second se				Envelope (See Tabl	e G) Nonres MultiFar	am Not Included	Solar Thermal W Heating (See Tab	le I3) 🛛 Not Inclu	ance The followi and shoul permit a	Building Components Co wing building components are Co build be documented on the NRC t application (i.e. compliance with or Lighting (Unconditioned
4         City         Fresno           6         Zip code         93703           8         Climate Zone         13		rds Version Compliant ance Software (version) CBECC 20. g Orientation (deg) 75		Mechanical (See Tab	MultiFar	m Not Included	Covered Proce Commercial Kitche Table J) Covered Proce	ns (see	ided Outo	170.2(e) utdoor Lighting 140.7 & 1
10     Building Type(s)     • Nonresidential       12     Project Scope     • New complete s	11 Weathe		OSEMITE_STYP20.epw	Domestic Hot Water Table I)	MultiFar	m Not Included	Laboratory Exhaus Table J)	it (see 🛛 Not Inclu	ded Buildin Electrical p	Sign Lighting 140.8 & 170 ing Components Complyi Il power systems, commis r requirements are manda
14     Total Conditioned Floor Area in Scope (ft <sup>2</sup> )     1440       16     Total Unconditioned Floor Area (ft <sup>2</sup> )     0	17 Fuel Ty			Lighting (Indoor Condi see Table K)	itioned, Nonres		Photovoltaics (see F)	Table Performa	on the N	NRCC form listed if applic shown on the ctrical Power Distribution
18         Nonresidential Conditioned Floor Area         1440           20         Residential Conditioned Floor Area         0	19 Total # Above	of Stories (Habitable Grade)			. <b>I</b>		Battery (see Tab	le F)		
	dential Compliance Report Version: 2022 Schema Version: rev		Report Generated: 2023-09-03 10:45:10	CA Building Energy Ef	ficiency Standards	s - 2022 Nonresident		Report Version: 2022. Schema Version: rev 2	0.000	Commissioning 120.8 Solar and Battery 110.1
CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PER	Schema Version: rev		Report Generated: 2023-09-03 10:45:10 NRCC-PRF-E	CA Building Energy Ef				Report Version: 2022. Schema Version: rev 2	0.000	Solar and Battery 110.2
CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PER Nonresidential Performance Compliance Method	Schema Version: rev				1PLIANCE - NONRE rmance Complian	ESIDENTIAL PERFOR	MANCE COMPLIANC	Report Version: 2022. Schema Version: rev 2	0.000 10220601	Solar and Battery 110.2
Nonresidential Performance Compliance Method           C3. TDV ENERGY RESULTS FOR NON-REGULATED COMPONE           Non-Regulated Energy Component           Receptacle	Schema Version: rev  FFORMANCE COMPLIANCE METHOD  NTS <sup>1</sup> Standard Design (TDV) 65.89	20220601  Proposed Design (TDV) 65.89	NRCC-PRF-E (Page 5 of 18)	CERTIFICATE OF COM Nonresidential Perfo	1PLIANCE - NONRE rmance Complian	ESIDENTIAL PERFOR nce Method 'S FOR PERFORMANCE	MANCE COMPLIANC	Report Version: 2022. Schema Version: rev 2 E METHOD	0.000 (0220601 Btu/ft <sup>2</sup> /yr)	Solar and Battery 110.3 Report
Nonresidential Performance Compliance Method C3. TDV ENERGY RESULTS FOR NON-REGULATED COMPONE Non-Regulated Energy Component	Schema Version: rev  FFORMANCE COMPLIANCE METHOD  NTS <sup>1</sup> Standard Design (TDV)	20220601 Proposed Design (TDV)	NRCC-PRF-E (Page 5 of 18)	CERTIFICATE OF COM Nonresidential Perfo	IPLIANCE - NONRE rmance Complian DMPLIANCE RESULTS	ESIDENTIAL PERFOR nce Method 'S FOR PERFORMANCE	MANCE COMPLIANC	Report Version: 2022. Schema Version: rev 2 E METHOD	0.000 (0220601 Btu/ft <sup>2</sup> /yr)	Solar and Battery 110.3
Nonresidential Performance Compliance Method           C3. TDV ENERGY RESULTS FOR NON-REGULATED COMPONE           Non-Regulated Energy Component           Receptacle           Process           Other Ltg	Schema Version: rev FFORMANCE COMPLIANCE METHOD NTS <sup>1</sup> Standard Design (TDV) 65.89    TS) 270.77	20220601   Proposed Design (TDV)	NRCC-PRF-E           (Page 5 of 18)           Compliance Margin (TDV) <sup>1</sup>	CERTIFICATE OF COM Nonresidential Perfo C4. SOURCE ENERGY CC Space Heating Space Cooling Indoor Fans Heat Rejection Pumps & Misc.	IPLIANCE - NONRE rmance Complian DMPLIANCE RESULTS	ESIDENTIAL PERFOR nce Method 'S FOR PERFORMANCE	MANCE COMPLIANC	E METHOD  I SOURCE Energy Use, k COMPLIES <sup>2</sup> ard Design (SOURCE)  4.69 4.36 4.08 0 0 0	0.000 (0220601 Btu/ft <sup>2</sup> /yr)	Solar and Battery 110.3 Report 1
Nonresidential Performance Compliance Method         C3. TDV ENERGY RESULTS FOR NON-REGULATED COMPONE         Non-Regulated Energy Component         Receptacle         Process         Other Ltg         Process Motors         TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONENT)	Schema Version: rev FFORMANCE COMPLIANCE METHOD NTS <sup>1</sup> Standard Design (TDV) 65.89    TS) 270.77	20220601   Proposed Design (TDV)	NRCC-PRF-E           (Page 5 of 18)           Compliance Margin (TDV) <sup>1</sup>	CERTIFICATE OF COM Nonresidential Perfo C4. SOURCE ENERGY CC Space Heating Space Cooling Indoor Fans Heat Rejection	IPLIANCE - NONRE rmance Complian DMPLIANCE RESULTS	ESIDENTIAL PERFOR nce Method 'S FOR PERFORMANCE	MANCE COMPLIANC	E METHOD  Schema Version: 2022. Schema Version: rev 2  E METHOD  I SOURCE Energy Use, k  COMPLIES <sup>2</sup> ard Design (SOURCE)  4.69  4.36  4.08  0	0.000 (0220601 Btu/ft <sup>2</sup> /yr)	Solar and Battery 110.3 Report 4 Part 2000 Report 4 Report 4
Nonresidential Performance Compliance Method         C3. TDV ENERGY RESULTS FOR NON-REGULATED COMPONE         Non-Regulated Energy Component         Receptacle         Process         Other Ltg         Process Motors         TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONENT)	Schema Version: rev FFORMANCE COMPLIANCE METHOD NTS <sup>1</sup> Standard Design (TDV) 65.89    TS) 270.77	20220601   Proposed Design (TDV)	NRCC-PRF-E           (Page 5 of 18)           Compliance Margin (TDV) <sup>1</sup>	CERTIFICATE OF COM Nonresidential Performant C4. SOURCE ENERGY CC Space Heating Space Cooling Indoor Fans Heat Rejection Pumps & Misc. Domestic Hot Water Indoor Lighting Flexibility EFFICIENCY COMPLIANC Photovoltaics	IPLIANCE - NONRE rmance Complian DMPLIANCE RESULTS Energy Compor	ESIDENTIAL PERFOR nce Method 'S FOR PERFORMANCE	MANCE COMPLIANC	E METHOD E METHOD COMPLIES <sup>2</sup> ard Design (SOURCE) 4.69 4.36 4.36 4.36 0 0 0 0 1 2.07  15.2 	0.000 (0220601 Btu/ft <sup>2</sup> /yr)	Solar and Battery 110.3 Report 4 ed Design (SOURCE) 5.67 4.96 0.67 0 0.67 0 0 0 1.13  12.43 2.43
Nonresidential Performance Compliance Method         C3. TDV ENERGY RESULTS FOR NON-REGULATED COMPONE         Non-Regulated Energy Component         Receptacle         Process         Other Ltg         Process Motors         TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONENT)	Schema Version: rev FFORMANCE COMPLIANCE METHOD NTS <sup>1</sup> Standard Design (TDV) 65.89    TS) 270.77	20220601   Proposed Design (TDV)	NRCC-PRF-E           (Page 5 of 18)           Compliance Margin (TDV) <sup>1</sup>	CERTIFICATE OF COM Nonresidential Performant C4. SOURCE ENERGY CC Space Heating Space Cooling Indoor Fans Heat Rejection Pumps & Misc. Domestic Hot Water Indoor Lighting Flexibility EFFICIENCY COMPLIANC	IPLIANCE - NONRE rmance Complian DMPLIANCE RESULTS Energy Compor	ESIDENTIAL PERFOR nce Method S FOR PERFORMANCE	MANCE COMPLIANC	Report Version: 2022.         Schema Version: rev 2         Schema Version: rev 2         I SOURCE Energy Use, k         COMPLIES <sup>2</sup> ard Design (SOURCE)         4.69         4.36         0         0         0         0         0         15.2            15.2	0.000 .0220601 Btu/ft <sup>2</sup> /yr) Proposed	Solar and Battery 110.3 Report 4 Ped Design (SOURCE) 5.67 4.96 0.67 0 1.13  12.43 2 12.43 2 12.43 2 10 10 10 10 10 10 10 10 10 10
Nonresidential Performance Compliance Method         C3. TDV ENERGY RESULTS FOR NON-REGULATED COMPONE         Non-Regulated Energy Component         Receptacle         Process         Other Ltg         Process Motors         TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONENT)	dential Compliance Report Version: 2022	20220601	NRCC-PRF-E           (Page 5 of 18)           Compliance Margin (TDV) <sup>1</sup>	CERTIFICATE OF COM Nonresidential Performant C4. SOURCE ENERGY CC Space Heating Space Cooling Indoor Fans Heat Rejection Pumps & Misc. Domestic Hot Water Indoor Lighting Flexibility EFFICIENCY COMPLIANCE Batteries TOTAL COMPLIANCE	IPLIANCE - NONRE Irmance Complian DMPLIANCE RESULTS Energy Compor Energy Compor CETOTAL CE TOTAL	ESIDENTIAL PERFOR nce Method	MANCE COMPLIANC	E METHOD  E METHOD  Schema Version: rev 2  Schema Version: rev 2  Schema Version: rev 2  E METHOD  Source Energy Use, k  COMPLIES <sup>2</sup> ard Design (SOURCE)  4.69  4.36  4.36  4.36  0  0  0  0  0  0  2.07  15.2  J, represents the Percee  Report Version: 2022.	0.000 0220601 Btu/ft <sup>2</sup> /yr) Proposed	Solar and Battery 110.3 Report 4 Ped Design (SOURCE) 5.67 4.96 0.67 0 1.13  12.43 2 12.43 2 12.43 2 10 10 10 10 10 10 10 10 10 10
Nonresidential Performance Compliance Method         C3. TDV ENERGY RESULTS FOR NON-REGULATED COMPONE Non-Regulated Energy Component         Receptacle         Process         Other Ltg         Process Motors         TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONEI <sup>1</sup> Notes: This table is not used for Energy Code Compliant	Schema Version: rev	20220601	NRCC-PRF-E           (Page 5 of 18)           Compliance Margin (TDV) <sup>1</sup> 30.03 (11.1%)	CERTIFICATE OF COM Nonresidential Performants C4. SOURCE ENERGY CC Space Heating Space Cooling Indoor Fans Heat Rejection Pumps & Misc. Domestic Hot Water Indoor Lighting Flexibility EFFICIENCY COMPLIANCE Photovoltaics Batteries TOTAL COMPLIANCE <sup>1</sup> Notes: This number in	IPLIANCE - NONRE Irmance Complian DMPLIANCE RESULTS Energy Compor Energy Compor CETOTAL CE TOTAL	ESIDENTIAL PERFOR nce Method	MANCE COMPLIANC	E METHOD E METHOD COMPLIES <sup>2</sup> ard Design (SOURCE) 4.69 4.36 4.08 0 0 0 0 0 2.07 15.2 15.2 3, represents the Perce	0.000 0220601 Btu/ft <sup>2</sup> /yr) Proposed	Solar and Battery 110.3         Report         Report         ad Design (SOURCE)         5.67         4.96         0.67         0         0         0         11.13            12.43            12.43         Standard.
Nonresidential Performance Compliance Method         C3. TDV ENERGY RESULTS FOR NON-REGULATED COMPONE Non-Regulated Energy Component         Receptacle         Process         Other Ltg         Process Motors         TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONEI <sup>1</sup> Notes: This table is not used for Energy Code Compliant	dential Compliance Report Version: rev	20220601	NRCC-PRF-E           (Page 5 of 18)           Compliance Margin (TDV) <sup>1</sup> 30.03 (11.1%)	CERTIFICATE OF COM Nonresidential Performants C4. SOURCE ENERGY CC Space Heating Space Cooling Indoor Fans Heat Rejection Pumps & Misc. Domestic Hot Water Indoor Lighting Flexibility EFFICIENCY COMPLIANCE Photovoltaics Batteries TOTAL COMPLIANCE <sup>1</sup> Notes: This number in	IPLIANCE - NONRE	ESIDENTIAL PERFOR nce Method S FOR PERFORMANCE	MANCE COMPLIANC	Report Version: 2022. Schema Version: rev 2 E METHOD I SOURCE Energy Use, k COMPLIES <sup>2</sup> ard Design (SOURCE) 4.69 4.36 4.08 0 0 0 0 2.07  15.2 15.2 15.2 15.2 k, represents the Perces k, represents the Perces Schema Version: 2022. Schema Version: rev 2	0.000 0220601 Btu/ft <sup>2</sup> /yr) Proposed	Solar and Battery 110.3         Report         Report         ad Design (SOURCE)         5.67         4.96         0.67         0         0         0         11.13            12.43            12.43         Standard.
Nonresidential Performance Compliance Method         C3. TDV ENERGY RESULTS FOR NON-REGULATED COMPONE Non-Regulated Energy Component         Receptacle         Process         Other Ltg         Process Motors         TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONER <sup>1</sup> Notes: This table is not used for Energy Code Compliant         CA Building Energy Efficiency Standards - 2022 Nonresidential Performance         CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERF	Schema Version: rev	20220601	NRCC-PRF-E           (Page 5 of 18)           Compliance Margin (TDV) <sup>1</sup> 30.03 (11.1%)	CERTIFICATE OF COM Nonresidential Performant C4. SOURCE ENERGY CC Space Heating Space Cooling Indoor Fans Heat Rejection Pumps & Misc. Domestic Hot Water Indoor Lighting Flexibility EFFICIENCY COMPLIANCE Photovoltaics Batteries TOTAL COMPLIANCE <sup>1</sup> Notes: This number in CA Building Energy Eff	IPLIANCE - NONRE         Irmance Complian         DMPLIANCE RESULTS         Energy Comport         CE TOTAL         In parenthesis follo         ficiency Standards         ficiency Standards         IPLIANCE - NONRE         IPLIANCE - NONRE         IRBARRIER	ESIDENTIAL PERFOR nce Method S FOR PERFORMANCE	MANCE COMPLIANC	Report Version: 2022. Schema Version: rev 2 E METHOD I SOURCE Energy Use, k COMPLIES <sup>2</sup> ard Design (SOURCE) 4.69 4.36 4.08 0 0 0 0 2.07  15.2 15.2 15.2 15.2 k, represents the Perces k, represents the Perces Schema Version: 2022. Schema Version: rev 2	0.000 0220601 Btu/ft <sup>2</sup> /yr) Proposed	Solar and Battery 110.3         Report         Report         ad Design (SOURCE)         5.67         4.96         0.67         0         0         0         11.13            12.43            12.43         Standard.
Nonresidential Performance Compliance Method         C3. TDV ENERGY RESULTS FOR NON-REGULATED COMPONE Non-Regulated Energy Component         Receptacle       Process         Other Ltg       Process Motors         TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONENT) <sup>1</sup> Notes: This table is not used for Energy Code Compliant <sup>2</sup> Notes: This table is not used for Energy Code Compliant         CA Building Energy Efficiency Standards - 2022 Nonresidential Performance Compliance Method         CertTIFICATE OF COMPLIANCE - NONRESIDENTIAL PER         Nonresidential Performance Compliance Method       C8. ENERGY USE INTENSITY (EUI)         GROSS EUI <sup>1</sup> 29.85         NET EUI <sup>1</sup> 29.85	Schema Version: rev         IFORMANCE COMPLIANCE METHOD         ITS <sup>1</sup> Standard Design (TDV)         65.89          0          Image: Im	20220601 Proposed Design (TDV) 65.89 65.89 7 240.74 240.74 7 240.74 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	NRCC-PRF-E         (Page 5 of 18)	CERTIFICATE OF COM Nonresidential Performants C4. SOURCE ENERGY CC Space Heating Space Cooling Indoor Fans Heat Rejection Pumps & Misc. Domestic Hot Water Indoor Lighting Flexibility EFFICIENCY COMPLIANCE Photovoltaics Batteries TOTAL COMPLIANCE <sup>1</sup> Notes: This number in Notes: This number in CA Building Energy Eff CA Building Energy Eff CA Building Energy Eff G4. NONRESIDENTIAL A	IPLIANCE - NONRE  IPLIANCE Complian  DMPLIANCE RESULTS  Energy Compou  Energy Compou  Centoral  In parenthesis follo  In parenthesis	ESIDENTIAL PERFOR nce Method  SFOR PERFORMANCE  Sonent	MANCE COMPLIANC	E METHOD  COMPLIES <sup>2</sup> ard Design (SOURCE)  4.69 4.36 4.36 4.38 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.000 0.220601. Btu/ft <sup>2</sup> /yr) Proposed Discrete than Stars Discrete than Stars Discret	Solar and Battery 110.3         Report         Report         ad Design (SOURCE)         5.67         4.96         0.67         0         0         11.13            12.43         3            12.43         Standard.
Nonresidential Performance Compliance Method         C3. TDV ENERGY RESULTS FOR NON-REGULATED COMPONE Non-Regulated Energy Component         Receptacle         Process         Other Ltg         Process Motors         TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONED <sup>1</sup> Notes: This table is not used for Energy Code Compliant <sup>1</sup> Notes: This table is not used for Energy Code Compliant         CA Building Energy Efficiency Standards - 2022 Nonresidential Performance Compliance Method         C8. ENERGY USE INTENSITY (EUI)         Standard Design (IGROSS EUI <sup>1</sup> QROSS EUI <sup>1</sup> 29.85 <sup>1</sup> Notes: Gross EUI is Energy Use Total (not including PV)         D1. EXCEPTIONAL CONDITIONS         • The building does not include service water heating. V	Schema Version: rev         Schema Version: rev         INTS <sup>1</sup> Standard Design (TDV)         65.89               INTS <sup>1</sup> Standard Design (TDV)         65.89            INTS <sup>1</sup> INTS <sup>1</sup> INTS <sup>1</sup> Colspan="2">INTS <sup>1</sup> INTS <sup>1</sup> <td>20220601  Proposed Design (TDV)  65.89  6.0.00  240.74   Margin (kBtu/ft² / yr)  3.55  al (including PV)/Total Building Are  d and is not included in the design.</td> <td>NRCC-PRF-E         (Page 5 of 18)         Compliance Margin (TDV)<sup>1</sup>                  30.03 (11.1%)</td> <td>CERTIFICATE OF COM   Nonresidential Performants   C4. SOURCE ENERGY CC   Space Heating   Space Cooling   Indoor Fans   Heat Rejection   Pumps &amp; Misc.   Domestic Hot Water   Indoor Lighting   Flexibility   EFFICIENCY COMPLIANCE   1 Notes: This number in   Nonresidential Performants   CA Building Energy Efficiency   CA Building Energy Efficiency   G4. NONRESIDENTIAL A   G5. OPAQUE SURFACE A   O1</td> <td>IPLIANCE - NONRE         Irmance Complian         DMPLIANCE RESULTS         Energy Comport         CE TOTAL         In parenthesis follor         ficiency Standards         ficiency Standards         IPLIANCE - NONRE         IPLIANCE - NONRE         IRBARRIER         Buildir         Grc</td> <td>ESIDENTIAL PERFOR nce Method S FOR PERFORMANCE Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Done</td> <td>MANCE COMPLIANC COMPONENTS (Annua Stand</td> <td>Report Version: 2022.         Schema Version: rev 2         Schema Version: rev 2         I SOURCE Energy Use, k         COMPLIES<sup>2</sup>         ard Design (SOURCE)         4.69         4.69         4.36         0         0         0         0         0         15.2         4, represents the Percee         K, represents the Percee         Schema Version: 2022.         Schema Version: 2022.         Schema Version: rev 2         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0      <tr< td=""><td>0.000 0.220601. Btu/ft<sup>2</sup> /yr) Proposed Discrete than State Int Better than State Int</td><td>Solar and Battery 110.3 Report 1 Report</td></tr<></td>	20220601  Proposed Design (TDV)  65.89  6.0.00  240.74   Margin (kBtu/ft² / yr)  3.55  al (including PV)/Total Building Are  d and is not included in the design.	NRCC-PRF-E         (Page 5 of 18)         Compliance Margin (TDV) <sup>1</sup> 30.03 (11.1%)	CERTIFICATE OF COM   Nonresidential Performants   C4. SOURCE ENERGY CC   Space Heating   Space Cooling   Indoor Fans   Heat Rejection   Pumps & Misc.   Domestic Hot Water   Indoor Lighting   Flexibility   EFFICIENCY COMPLIANCE   1 Notes: This number in   Nonresidential Performants   CA Building Energy Efficiency   CA Building Energy Efficiency   G4. NONRESIDENTIAL A   G5. OPAQUE SURFACE A   O1	IPLIANCE - NONRE         Irmance Complian         DMPLIANCE RESULTS         Energy Comport         CE TOTAL         In parenthesis follor         ficiency Standards         ficiency Standards         IPLIANCE - NONRE         IPLIANCE - NONRE         IRBARRIER         Buildir         Grc	ESIDENTIAL PERFOR nce Method S FOR PERFORMANCE Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Donent Done	MANCE COMPLIANC COMPONENTS (Annua Stand	Report Version: 2022.         Schema Version: rev 2         Schema Version: rev 2         I SOURCE Energy Use, k         COMPLIES <sup>2</sup> ard Design (SOURCE)         4.69         4.69         4.36         0         0         0         0         0         15.2         4, represents the Percee         K, represents the Percee         Schema Version: 2022.         Schema Version: 2022.         Schema Version: rev 2         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0 <tr< td=""><td>0.000 0.220601. Btu/ft<sup>2</sup> /yr) Proposed Discrete than State Int Better than State Int</td><td>Solar and Battery 110.3 Report 1 Report</td></tr<>	0.000 0.220601. Btu/ft <sup>2</sup> /yr) Proposed Discrete than State Int Better than State Int	Solar and Battery 110.3 Report 1 Report
Nonresidential Performance Compliance Method         C3. TDV ENERGY RESULTS FOR NON-REGULATED COMPONE Non-Regulated Energy Component         Receptacle         Process         Other Ltg         Process Motors         TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONED <sup>1</sup> Notes: This table is not used for Energy Code Compliant         CA Building Energy Efficiency Standards - 2022 Nonresid         CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PER         Nonresidential Performance Compliance Method         C8. ENERGY USE INTENSITY (EUI)         GROSS EUI <sup>1</sup> 29.85         NET EUI <sup>1</sup> 29.85 <sup>1</sup> Notes: Gross EUI is Energy Use Total (not including PV)         D1. EXCEPTIONAL CONDITIONS	Schema Version: rev         Schema Version: rev         IFORMANCE COMPLIANCE METHOD         Import Version: 2022         Schema Version: rev         MISI Compliance         Report Version: 2022         Schema Version: rev         MUSI Complian	20220601  Proposed Design (TDV)  65.89  65.89  7 240.74  2000  20220601  Nargin (kBtu/ft <sup>2</sup> / yr) 3.55 3.55 1 (including PV)/Total Building Area  yr) Margin (kBtu/ft <sup>2</sup> / yr) 3.55 3.55 1 (including PV)/Total Building Area	NRCC-PRF-E   (Page 5 of 18)   Compliance Margin (TDV) <sup>1</sup> 30.03 (11.1%)   Report Generated: 2023-09-03 10:45:10 Report Generated: 2023-09-03 10:45:10 NRCC-PRF-E (Page 9 of 18) I.1.89 I.1.80 I.1.80<	CERTIFICATE OF COM   Nonresidential Performants   C4. SOURCE ENERGY CC   Space Heating   Space Cooling   Indoor Fans   Heat Rejection   Pumps & Misc.   Domestic Hot Water   Indoor Lighting   Flexibility   EFFICIENCY COMPLIANCE <sup>1</sup> Notes: This number in   CA Building Energy Efficiency   CA Building Energy Efficiency   G4. NONRESIDENTIAL A   G4. NONRESIDENTIAL A   G5. OPAQUE SURFACE A   O1   Surface Name	IPLIANCE - NONRE         Irmance Complian         DMPLIANCE RESULTS         Energy Comport         Energy Comport         IPLIANCE RESULTS         Energy Comport         In parenthesis follo         ficiency Standards         in parenthesis follo         IPLIANCE - NONRE	ESIDENTIAL PERFOR nce Method S FOR PERFORMANCE onent onent cononing the Compliance and a set of the compliance conving	MANCE COMPLIANC COMPONENTS (Annua COMPONENTS (Annua Stand St	Report Version: 2022.         Schema Version: rev 2         Schema Version: rev 2         I SOURCE Energy Use, k         COMPLIES <sup>2</sup> ard Design (SOURCE)         4.69         4.36         4.08         0         0         2.07            15.2         4, represents the Percer         Report Version: 2022.         Schema Version: rev 2         Report Version: 2022.         Schema Version: rev 2         Marce Percer         15.2            0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0 <td>0.000 0.220601 Btu/ft<sup>2</sup> /yr) Proposed Diversion of the second of th</td> <td>Solar and Battery 110.3         Report 1         Report 1         Report 1         Standard         Standard.</td>	0.000 0.220601 Btu/ft <sup>2</sup> /yr) Proposed Diversion of the second of th	Solar and Battery 110.3         Report 1         Report 1         Report 1         Standard         Standard.
Nonresidential Performance Compliance Method         C3. TDV ENERGY RESULTS FOR NON-REGULATED COMPONE Non-Regulated Energy Component         Receptacle         Process         Other Ltg         Process Motors         TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONENT <sup>1</sup> Notes: This table is not used for Energy Code Compliant <sup>2</sup> Notes: This table is not used for Energy Code Compliant         CA Building Energy Efficiency Standards - 2022 Nonresidential Performance Compliance Method         C8. ENERGY USE INTENSITY (EU)         Standard Design ( GROSS EUI <sup>1</sup> 29.85 <sup>1</sup> Notes: Grass EUI is Energy Use Total (not including PV)         D1. EXCEPTIONAL CONDITIONS         • The building Exception 2 to Section 140.10(b): N • Project is claiming Exception 2 to Section 140.10(b): N • Project is claiming Exception 3 to Section 140.10(b): N • Project is claiming Exception 3 to Section 140.10(b): N • Project is claiming Exception 3 to Section 140.10(b): N	Schema Version: rev  Schema Version: rev  FFORMANCE COMPLIANCE METHOD  TTS  Gential Compliance  Gential Compliance  Report Version: 2022 Schema Version: rev  FFORMANCE COMPLIANCE METHOD  FFORMANCE METHOD	20220601  Proposed Design (TDV)  65.89  65.89  6.0.00  7  240.74  20220601  Proposed Design (TDV)  65.89  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7  7	NRCC-PRF-E           (Page 5 of 18)           Compliance Margin (TDV) <sup>1</sup> 30.03 (11.1%)	CERTIFICATE OF COM   Nonresidential Performants   C4. SOURCE ENERGY CO   Space Heating   Space Cooling   Indoor Fans   Heat Rejection   Pumps & Misc.   Domestic Hot Water   Indoor Lighting   Flexibility   EFFICIENCY COMPLIANCE   1 Notes: This number in   CA Building Energy Efficiency   CA Building Energy Efficiency   G4. NONRESIDENTIAL A   G5. OPAQUE SURFACE A   O1   Surface Name   Con   Ext Roof	IPLIANCE - NONRE         Irmance Complian         DMPLIANCE RESULTS         Energy Comport         Energy Comport         IPLIANCE - NONRE         IPLIANCE - NONRE         In parenthesis follo         ficiency Standards         ficiency Standards         IPLIANCE - NONRE	ESIDENTIAL PERFOR nce Method SFOR PERFORMANCE onent Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment	MANCE COMPLIANC COMPONENTS (Annua COMPONENTS (Annua COMPONENTS (Annua COMPONENTS (Annua COMPONENTS (Annua COMPLIANC	Report Version: 2022.         Schema Version: rev 2         E METHOD         I SOURCE Energy Use, k         COMPLIES <sup>2</sup> ard Design (SOURCE)         4.69         4.36         0         2.07         15.2         15.2            15.2            15.2            15.2 <tr< td=""><td>0.000 0.0220601. Btu/ft<sup>2</sup> /yr) Proposed Proposed Proposed I I I I I I I I I I I I I</td><td>Solar and Battery 110.3         Report 1         Report 1         Report 1         Standard, Source)         5.67         4.96         0.67         0         0         1.13            12.43            12.43         Standard.</td></tr<>	0.000 0.0220601. Btu/ft <sup>2</sup> /yr) Proposed Proposed Proposed I I I I I I I I I I I I I	Solar and Battery 110.3         Report 1         Report 1         Report 1         Standard, Source)         5.67         4.96         0.67         0         0         1.13            12.43            12.43         Standard.
Nonresidential Performance Compliance Method         C3. TDV ENERGY RESULTS FOR NON-REGULATED COMPONE Non-Regulated Energy Component         Receptacle       Process         Other Ltg       Process Motors         TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONER       Interpretation <sup>1</sup> Notes: This table is not used for Energy Code Compliant         CA Building Energy Efficiency Standards - 2022 Nonresidential Performance Compliance Method         CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PER         Nonresidential Performance Compliance Method       C8. ENERGY USE INTENSITY (EUI)         Standard Design (IGROSS EUI <sup>1</sup> Q.9.85 <sup>1</sup> Notes: Gross EUI is Energy Use Total (not including PV)         DI. EXCEPTIONAL CONDITIONS <sup>1</sup> Notes: Gross EUI is Energy Use Total (not including PV)         DI. EXCEPTIONAL CONDITIONS <sup>1</sup> Notes: Gross EUI is Energy Use Total (not including PV)         DI. EXCEPTIONAL CONDITIONS <sup>1</sup> Notes: Const EUI is Energy Use Total (not including PV)         DI. EXCEPTIONAL CONDITIONS <sup>1</sup> Notes: Const EUI is Energy Use Total (not including PV)         DI. EXCEPTIONAL CONDITIONS <sup>1</sup> Notes: Is claiming Exception 2 to Section 140.10(b): N	Schema Version: rev  Schema Version: rev  FFORMANCE COMPLIANCE METHOD  TTS  Gential Compliance  Gential Compliance  Report Version: 2022 Schema Version: rev  FFORMANCE COMPLIANCE METHOD  FFORMANCE METHOD	20220601 20220601 Proposed Design (TDV) 65.89 65.89 7 7 7 7 7 7 7 7	NRCC-PRF-E   (Page 5 of 18)   Compliance Margin (TDV) <sup>1</sup>	CERTIFICATE OF COM   Nonresidential Performants   C4. SOURCE ENERGY CO   Space Heating   Space Cooling   Indoor Fans   Heat Rejection   Pumps & Misc.   Domestic Hot Water   Indoor Lighting   Flexibility   EFFICIENCY COMPLIANCE   1 Notes: This number in   CA Building Energy Efficiency   CA Building Energy Efficiency   G4. NONRESIDENTIAL A   G5. OPAQUE SURFACE A   O1   Surface Name   Con   Ext Roof	IPLIANCE - NONRE   IPLIANCE Complian   IPLIANCE RESULTS   Energy Component   IPLIANCE - NONRE   IPLIANCE - NONRE <td< td=""><td>ESIDENTIAL PERFOR nce Method SFOR PERFORMANCE onent Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment</td><td>MANCE COMPLIANC COMPONENTS (Annua COMPONENTS (Annua Stand Stand Stand I Stand I Stand I I I I I I I I I I I I I</td><td>Report Version: 2022.         Schema Version: rev 2         E METHOD         I SOURCE Energy Use, k         COMPLIES<sup>2</sup>         ard Design (SOURCE)         4.69         4.36         0         2.07         15.2         15.2            15.2            15.2            15.2                                                                                                      <tr< td=""><td>0.000 0.0220601. Btu/ft<sup>2</sup> /yr) Proposed Proposed Proposed I I I I I I I I I I I I I</td><td>Solar and Battery 110.         Report         Report         Report         Standard         Solar and Battery 110.         Report         Report         Standard         Standard.</td></tr<></td></td<>	ESIDENTIAL PERFOR nce Method SFOR PERFORMANCE onent Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment Soment	MANCE COMPLIANC COMPONENTS (Annua COMPONENTS (Annua Stand Stand Stand I Stand I Stand I I I I I I I I I I I I I	Report Version: 2022.         Schema Version: rev 2         E METHOD         I SOURCE Energy Use, k         COMPLIES <sup>2</sup> ard Design (SOURCE)         4.69         4.36         0         2.07         15.2         15.2            15.2            15.2            15.2 <tr< td=""><td>0.000 0.0220601. Btu/ft<sup>2</sup> /yr) Proposed Proposed Proposed I I I I I I I I I I I I I</td><td>Solar and Battery 110.         Report         Report         Report         Standard         Solar and Battery 110.         Report         Report         Standard         Standard.</td></tr<>	0.000 0.0220601. Btu/ft <sup>2</sup> /yr) Proposed Proposed Proposed I I I I I I I I I I I I I	Solar and Battery 110.         Report         Report         Report         Standard         Solar and Battery 110.         Report         Report         Standard         Standard.

Nonresidential Performance Compliance Method			(Page 3 of 18
C1. COMPLIANCE SUMMARY			
	<b>COMPLIES<sup>3</sup></b>		
	Time Dependent	Valuaton (TDV)	Source Energy Use
	Efficiency <sup>1</sup> (kBtu/ft <sup>2</sup> - yr)	Total <sup>2</sup> (kBtu/ft <sup>2</sup> - yr)	Total <sup>2</sup> (kBtu/ft <sup>2</sup> - yr)
Standard Design	204.88	204.88	15.2
Proposed Design	174.85	174.85	12.43
Compliance Margins	30.03	30.03	2.77
	Pass	Pass	Pass
<ol> <li><sup>1</sup> Efficiency measures include improvements like a better building en <sup>2</sup> Compliance Totals include efficiency, photovoltaics and batteries <sup>3</sup> New Construction, Complete Addition Scope: Building complies wil are not exceeded Existing, Addition and Alteration Scope: Building complies when efficient</li> </ol>	nen all efficiency and total compliance n		

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE	COMPLIANCE METHOD		NRCC-PRF-E
Nonresidential Performance Compliance Method			(Page 7 of 18)
C5. SOURCE ENERGY RESULTS FOR NON-REGULATED COMPONENTS <sup>1</sup>			
Non-Regulated Energy Component	Standard Design (SOURCE)	Proposed Design (SOURCE)	Compliance Margin (SOURCE) <sup>1</sup>
Receptacle	4.93	4.93	
Process			
Other Ltg			
Process Motors			
TOTAL ( TOTAL COMPLIANCE + NON-REGULATED COMPONENTS)	20.13	17.36	2.77 (13.8%)
<sup>1</sup> Notes: This table is not used for Energy Code Compliance.			·
C6. 'ABOVE CODE' QUALIFICATIONS			
□ This project is pursuing CalGreen Tier 1	☐ This project	is pursuing CalGreen Tier 2	

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Nonresidential Po	erformance Compl	ance Metho	d							(Pag	ge 11 of 18
G6A. OPAQUE DOO	R SUMMARY (NONR	ESIDENTIAL)									
	01		(	02			03			04	
Asse	mbly Name		Area	a (ft <sup>2</sup> )		Overall U-factor				Status <sup>1</sup>	
	Door			12			0.7			N	
Status: N - New, /	A - Altered, E - Exist	ing				· · ·		I			
G7A. FENESTRATIO	N ASSEMBLY SUMMA	ARY (NONRESI	DENTIAL)								
01		02		03	;	04	05	06	07	08	09
Fenestration Assembly Name	Fenestration Typ	e/ Product Ty	pe / Frame Type	Certific Meth		Assembly Method	Area (ft <sup>2</sup> )	Overall U-factor	Overall SHGC	Overall VT	Status
							1 1		1		
Windows		tical fenestra Fixed window N/A	I	NFF		Manufactured	240	0.42	0.25	0.44	N
<sup>4</sup> Notes: Newly insi values are for the g VA6 and are used <sup>2</sup> Status: N - New, <i>v</i> H1. DRY SYSTEM EG	talled fenestration s glass-only, determin in the analysis. A - Altered, E - Exist QUIPMENT (FURNACI	ixed window N/A shall have a d ned by the m ing	rertified NFRC Li anufacturer, an ING UNITS, HEAT	abel Certificat d are shown f PUMPS, VRF,	te or use the for ease of ve	CEC default table erification. Site-bu	s found in To iilt fenestrat	ible 110.6-A ar	nd Table 110.6- calculated per l	B. Center of Glu	ass (COG) Appendix
<sup>1</sup> Notes: Newly insi values are for the NA6 and are used <sup>2</sup> Status: N - New, /	talled fenestration : glass-only, determin in the analysis. A - Altered, E - Exist	Fixed window N/A shall have a c ned by the m ing	rertified NFRC Li anufacturer, an	abel Certificat d are shown f PUMPS, VRF, 05	te or use the for ease of ve ECONOMIZER	CEC default table erification. Site-bu	s found in Ta	able 110.6-A ar	nd Table 110.6-	B. Center of Glo	ass (COG)
Notes: Newly insi values are for the g VA6 and are used Status: N - New, / H1. DRY SYSTEM EG	talled fenestration s glass-only, determin in the analysis. A - Altered, E - Exist QUIPMENT (FURNACI	ixed window N/A shall have a d ned by the m ing	rertified NFRC Li anufacturer, an ING UNITS, HEAT	abel Certificat d are shown f PUMPS, VRF, 05	te or use the for ease of ve	CEC default table erification. Site-bu	s found in To iilt fenestrat	ible 110.6-A ar	nd Table 110.6- calculated per l	B. Center of Glu	ass (COG) Appendix

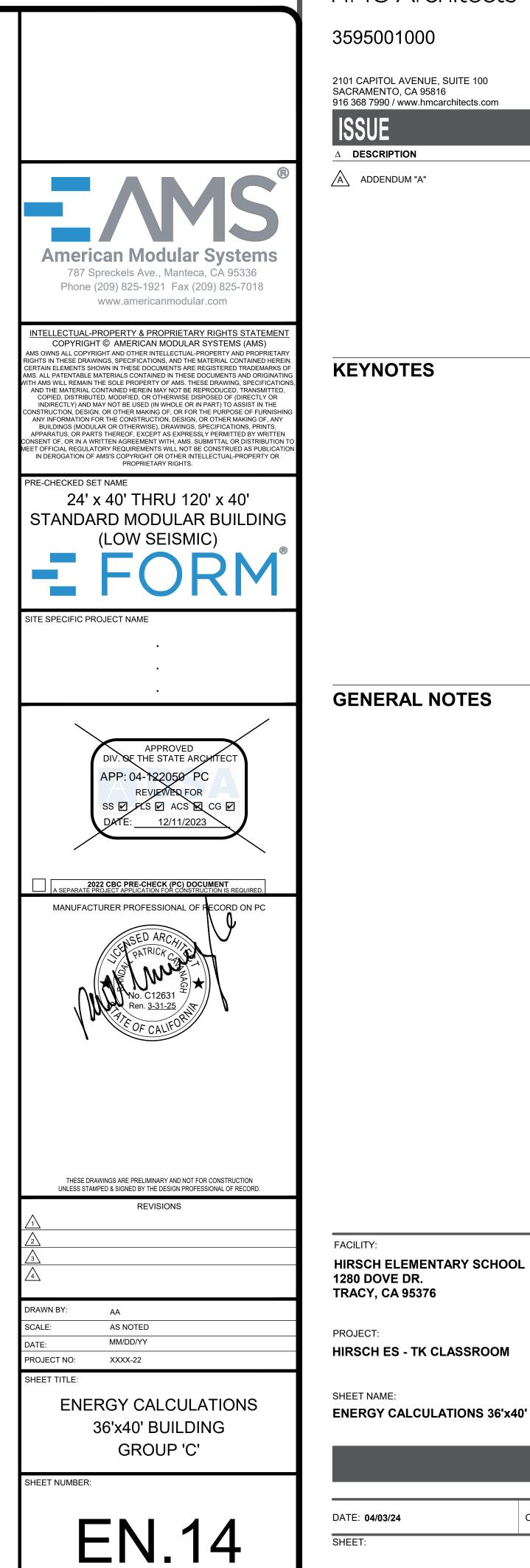
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CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220601

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFOR	MANCE COMPLIANCE METHOD		NRCC-PRF-						
Nonresidential Performance Compliance Method			(Page 4 of 13						
C2. TDV ENERGY COMPLIANCE RESULTS FOR PERFORMANCE CON	1PONENTS (Annual TDV Energy Use, kBtu/ft <sup>2</sup> - yr	)							
COMPLIES <sup>2</sup>									
Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV) <sup>1</sup>						
Space Heating	32.98	39.75	-6.77						
Space Cooling	99.19	114.99	-15.8						
Indoor Fans	51.04	9.87	41.17						
Heat Rejection	0	0	0						
Pumps & Misc.	0	0	0						
Domestic Hot Water	0	0	0						
Indoor Lighting	21.67	10.24	11.43						
Flexibility									
EFFICIENCY COMPLIANCE TOTAL	204.88	174.85	30.03 (14.7%)						
Photovoltaics									
Batteries									
TOTAL COMPLIANCE	204.88	174.85	30.03 (14.7%)						

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CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000

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CERTIFICATE OF COMPLIANCE	E - NONRESIDENTIAL PERFOR	MANCE COMPLIANCE METH	HOD			NRCC-PRF-E
Nonresidential Performance	Compliance Method					(Page 8 of 18)
C7. ENERGY USE SUMMARY						
Energy Component	Standard Design Site (MWh)	Proposed Design Site (MWh)	Margin (MWh)	Standard Design Site (MBtu)	Proposed Design Site (MBtu)	Margin (MBtu)
Space Heating	1.5	1.9	-0.4			
Space Cooling	3.9	4.5	-0.6			
Indoor Fans	2.3	0.4	1.9			
Heat Rejection						
Pumps & Misc.						
Domestic Hot Water						
Indoor Lighting	1.1	0.5	0.6			
Flexibility						
EFFICIENCY TOTAL	8.8	7.3	1.5	0	0	0
Photovoltaics						
Batteries						
ENERGY USE SUBTOTAL	8.8	7.3	1.5	0	0	0
Receptacle	3.8	3.8	0			
Process						
Other Ltg						
Process Motors						
ENERGY USE TOTAL	12.6	11.1	1.5	0	0	0

CERTIFICATE OF CON	IPLIANC	E - NONRESIDEN	TIAL PERI	ORMANCE C	OMPLIANCE ME	THOD					NR	CC-PRF-E
Nonresidential Perfo	rmance	Compliance Met	thod								(Page	12 of 18
H3. NONRESIDENTIAL /	соммо	DN USE AREA FAN	SYSTEMS S	UMMARY								-
01	02	03	04	05	06	07	08	09	10	11	12	13
		Design OA		Sup	oly Fan			R	eturn / Relief	Fan		
Name or Item Tag	Qty	СЕМ	CFM	Power	Power Units	Control	Fan Type	CFM	Power	Power Units	Control	Status
FC-1	1	547.2	1,600	0.7	InH2O	VSD	N/A	N/A	N/A	N/A	N/A	N
0: System				02 Equipment T	ype		03 Interlocks per	140.4(n) <sup>1</sup>		Other Special F	04 eatures and Co	ntrols
-				-	vne			$140 \ 4(n)^{1}$		Other Special F	-	ntrols
FC	-1		Package S	Z VAV Heat Pu	ump Air System		No		Zo	one(s) With CO	2 Sensor Vent	. Control
Notes: This table include NRCC-MCH-E. <sup>1</sup> Yes = interlocks are pro							th, mandatory a	nd prescriptive	e controls req	uirements are do	ocumented on ti	he
	соммо	ON USE AREA & HC	)TEL/MOTI	EL VENTILATION	1							
H9. NONRESIDENTIAL /				03		04		05		06	07	
H9. NONRESIDENTIAL /		02		05								
				Mech	anical Ventilatior				Conditio	ned Area (sf)	DCV or Occup	
01		02 entilation Function				n Iy OA CFM	Exhau	ist CFM	- Conditio	ned Area (sf)	DCV or Occup Controls, o	

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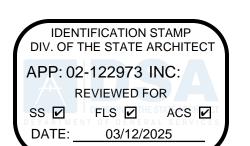


CLIENT PROJ NO: 3595001000

ENERGY CALCULATIONS 36'x40' BUILDING GROUP 'C'

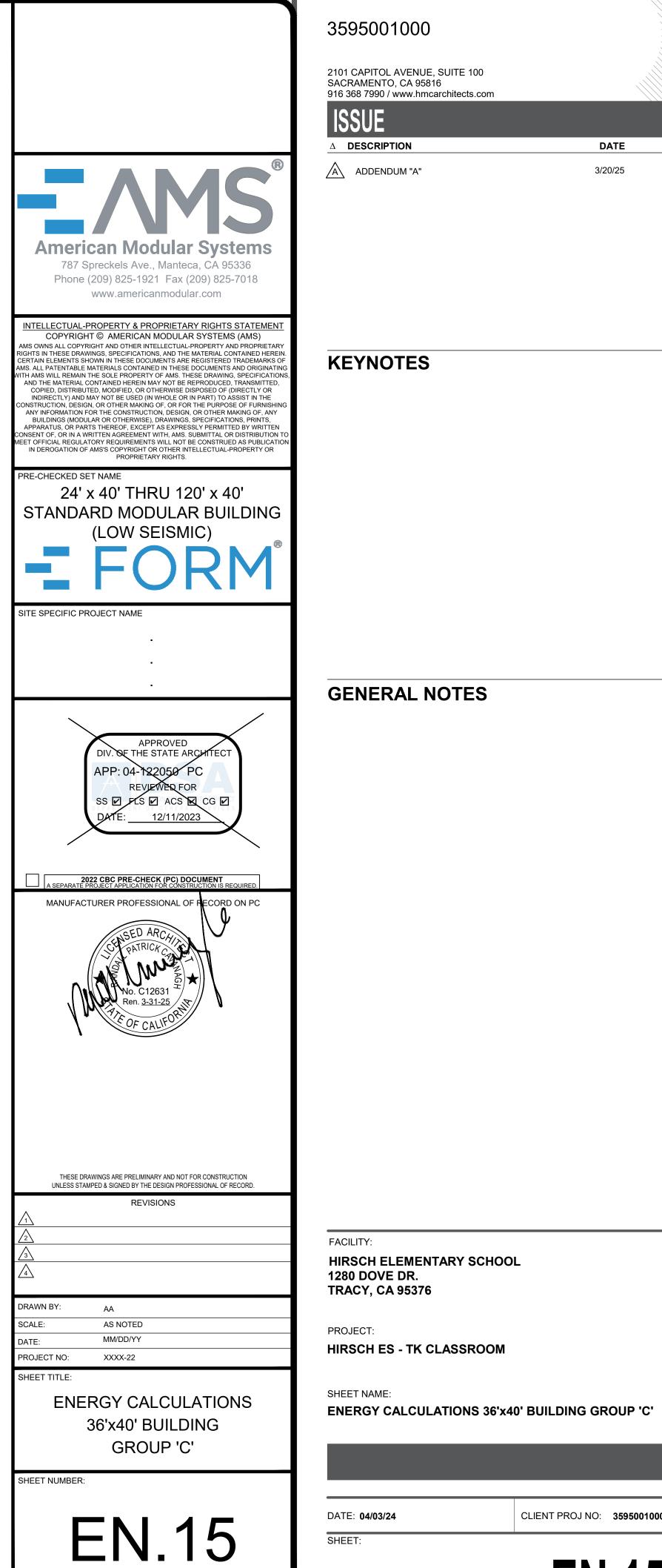
HIRSCH ES - TK CLASSROOM

TRACY HMC Architects DATE



	ERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-P onresidential Performance Compliance Method (Page 13 o	
H1	11. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY           01         02         03         04         05         06         07         08         09         10         11	K2. INDOOR CONDITIONED LIGHTING SCHEDULE         Luminaire Schedule (includes all permanent installed lighting in conditioned space, and portable lighting over 0.3 w/ft <sup>2</sup> in offices)
	Heating Cooling Design Mln. Min. Ratio Power Units Cycles	VSD 01 02 03 04 05 VSD Complete Luminaire Description (i.e. 3-lamp fluorescent troffer, F32T8, one dimmable electronic 0.e. dimmable electronic 0.
К1	Netleal box         Image: Constraint of the second se	ballast)     ballast       2x4 LED     2x4 - LED       1 <sup>1</sup> if lighting power densities were used in the compliance model Building Departments will need to check prescriptive forms for Luminaire Schedule details.
	Occupancy Type1         Conditioned Floor Area <sup>2</sup> (ft <sup>2</sup> )         Installed Lighting Power (Watts)         Lighting Control Credits (Watts)         Additional (Custor) Allowance           Classroom, Lecture, or         1440         540         0         0         0	K3. INDOOR CONDITIONED LIGHTING CONTROL CREDITS         Lighting Control Credits Schedule (includes all lighting controls installed in conditioned space for compliance credit per 140.6(a)2 and Table 140.6-A)         01       02       03       04       05       06       07       08
<sup>1</sup> Se	Classifier         Classifier         1440         540         0         0         0           Training Vocational         1440         540         0         0         0         0           Building Totals:         1440         540         0         0         0         0           re Table 140.6-C         re NRCC-LTIE for unconditioned spaces         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         - <td>Area Description Primary Function Area (must meet requirements of Table 140.6-A and 170.2-L) Power Adjustment Factor (PAF) Watts per Luminaire 4 of Luminaire (Watts)</td>	Area Description Primary Function Area (must meet requirements of Table 140.6-A and 170.2-L) Power Adjustment Factor (PAF) Watts per Luminaire 4 of Luminaire (Watts)
	phting information for existing spaces modeled is not included in this table	Classroom 101     Classroom, lecture, or Training Vocational     N/A     N/A     N/A     2x4 LED     45     6     270       Classroom 101     Classroom, lecture, or Training Vocational     N/A     N/A     N/A     2x4 LED     45     6     270
		Eighting Control Cleans (Conditioned) Iotal (We
CA	A Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Report Generated: 2023-09-03 10:4 Schema Version: rev 20220601	K4. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROL         Building Level Controls         01       02         Mandatory Demand Response 110.12(c)       Shut-Off Controls 130.1(c) & 160.5(b)4C         NA       Required
CE		K4. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROL         Building Level Controls         01       02         Mandatory Demand Response 110.12(c)       Shut-Off Controls 130.1(c) & 160.5(b)4C         NA       Required         15:10       CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance       Report Version: 2022.0.000 Schema Version: rev 20220601       Report Generated: 20.         RF-E       CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD
CE No Doc	Schema Version: rev 20220601 ERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-P onresidential Performance Compliance Method (Page 17 o cumentation Author's Declaration Statement I certify that this Certificate of Compliance documentation is accurate and complete. uncertified to the officience of Compliance Compliance of Decementation is accurate and complete.	K4. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROL         Building Level Controls         01       02         Mandatory Demand Response 110.12(c)       Shut-Off Controls 130.1(c) & 160.5(b)4C         NA       Required         55:10       CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance       Report Version: 2022.0.000 Schema Version: rev 20220601       Report Generated: 20         FF-E       CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD       Report Generated: 20         F18)       Norresidential Performance Compliance Method       Responsible Designer Name: Randall P Cavannagh Company: American Modular Systems   Gen7 Schools       Responsible Designer Signature: Date Signed: (29/05/23
CE No 1.1 Doo Cor Add	Schema Version: rev 20220601 ERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD Onresidential Performance Compliance Method (Page 17 o cumentation Author's Declaration Statement	K4. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROL         Building Level Controls       01       02         01       02         Mandatory Demand Response 110.12(c)       Shut-Off Controls 130.1(c) & 160.5(b)4C         NA       Required         15:10         CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance         Report Version: 2022.0.000 Schema Version: rev 20220601         Report Generated: 20: Schema Version: rev 20220601         Report Generated: 20: Schema Version: rev 20220601         Norresidential Performance Compliance Method         Responsible Designer Name: Randail P Cavannagh       Responsible Designer Signature: Company: American Modular Systems   Gen7 Schools         Address: 787 Spreckels Avenue       Date Signed: 09/05/23         Dy       Question 20: 20: 20: 20: 20: 20: 20: 20: 20: 20:
CE No 1. I Doc Cor Ada City Res I ce	ERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD       NRCC-P         onresidential Performance Compliance Method       (Page 17 o         umentation Author's Declaration Statement       (Page 17 o         currentation Author Subclaration Statement       Signature Date:         currentation Author Name: Hans Marsman, CEA, LEED AP BD+C       Documentation Author Signature:         mapany: Marsman Consulting       Signature Date:         dress: 1150 J Street #409       CEA/HERS Certification Identification (If applicable)         (/State/Zip: San Diego, CA 92101       Phone: (619) 573-6374         uponsible Person's Declaration statement       Isonorte:         state of Compliance is true and correct:       .         and ligble under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of	K4: INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROL         Building Level Controls       01       02         Mandatory Demand Response 110.12(c)       Shut-Off Controls 130.1(c) & 160.5(b)4C         NA       Required         55:10       CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance       Report Version: 2022.0.000       Report Generated: 20         Schema Version: rev 20220501       Report Generated: 20       Schema Version: rev 20220501       Report Generated: 20         FF-E       CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD       Image: Compliance Method       Reponsible Designer Name: Randall P Cavannagh       Responsible Designer Signature:       Image: Company: American Modula Systems   Gen7 Schools         by       Or       Date Signed: 09/05/23       Citry/State/Zip: Manteca, CA 95336       License #: C12631         Phone: 209.825.1921       Title: Architect       Scope: Lighting
CE No 1.1 Doc Cor Ado City Res I ce	ERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD       NRCC-P         corresidential Performance Compliance Method       (Page 17 or compliance Method         corresidential Performance Compliance Method       (Page 17 or compliance Method         corresidential Performance Compliance Method       Documentation Author Signature:         corresidential Performance Compliance Method       Documentation Author Signature:         correntation Author Name: Hans Marsman, CEA, LEED AP BD+C       Documentation Author Signature:         mpany: Marsman Consulting       Signature Date:         correntation Author Name: Hans Marsman, CEA, LEED AP BD+C       Documentation Author Signature:         mpany: Marsman Consulting       Signature Date:         correntation Statement       Declearation Statement         propuble Person's Declaration statement       Declearation Identification (If applicable) and Division (State of Compliance Signature Date:         correntiation Author Name: Hans Marsman, CEA, LEED AP BD+C       Documentation Identification Identification (If applicable) and Division Statement         refit ty the following under penalty of perjury, under the laws of the State of California:       Division Statement         correliance (responsible designer)       I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (coresponsible designery)         3.	K4. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROL         Building Level Controls         01       02         Mandatory Demand Response 110.12(c)       Shut-Off Controls 13.0.1(c) & 160.5(b)dC         NA       Required         55:10       CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance       Report Version: 2022.0.000 Schema Version: rev 20220601       Report Generated: 20 Schema Version: rev 20220601         RF-E       CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD         Nonresidential Performance Compliance Method       Responsible Designer Signature:       Julie Mathematica Ma
CE No Doc 1. 1 Doc Cor Ado City Res I ce	ERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD       NRCC-P         onresidential Performance Compliance Method       (Page 17 o         cumentation Author's Declaration Statement          cumentation Author's Declaration Statement       Documentation Author Signature:         cumentation Author Name: Hans Marsman, CEA, LEED AP BD+C       Documentation Author Signature:         many: Marsman Consulting       Signature Date:         dress: 1150 J Street: #409       CEA/HERS Certification Identification (if applicable)         y/State /21p: San Diego, CA 92101       Phone: (619) 573-6374         possible Person's Declaration statement          1. The Information provided on this Certificate of Compliance is true and correct.          2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance is true and correct.          3. The energy Features and performance specifications, plans and specifications submitted to the enforcement agency for approval with this building design or system design identified on this Certificate of Compliance is true and correct.         4. The building design features or system design identified on this Certificate of Compliance are consistent with the information provided on ether applicable compliance documents, worksheets, acculations, plans and specifications submitted to the enforcement agency for approval with this building apermit applicable compliance documents, worksheets, acc	RF-E       CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD         F10       Responsible Designer Name: Randall P Cavannagh         RF-E       CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD         Mondency Designer Name: Randall P Cavannagh       Responsible Designer Signature:         Mandency Junto       Date Signeric: 0905/23         CICHT/STATE       CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD         Mandency Designer Name: Randall P Cavannagh       Responsible Designer Signature:         Mandency Junto       Date Signeric: 0905/23         City/State/Zip: Manteca, CA 95336       License #: C12631         Phone: 209.825.1921       Title: Architect
CE No Doc 1.1 Doc Cor Add City Res Cor Add City Add City	ERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD       NRCC-P         onresidential Performance Compliance Method       (Page 17 or compliance documentation is accurate and complete.         currentation Author's Declaration Statement       Image: Compliance documentation is accurate and complete.         currentation Author Name: Hans Marsman, CEA, LEED AP BD+C       Documentation Author Signature:         mapary: Marsman Consulting       Signature Date:         dires: 1150 JStreet 4009       CEA/HERS Certification Identification (if applicable)         vistate/Zip: San Diego, CA 92101       Phome: (619) 573-6374         Phome: (619) 573-6374       Decumentation dentification (if applicable)         vistate/Zip: San Diego, CA 92101       Phome: (619) 573-6374         Phome: (619) 573-6374       Decumentation dentification (if applicable)         vistate/Zip: San Diego, CA 92101       Phome: (619) 573-6374         Phome: (619) 573-6374       Decumentation provided on this Certificate of Compliance is true and correct.         1       The Information provided on this Certificate of Compliance is true and correct.         2       Iam eligible urder Division 3 of the Business and Professions: Code to accept responsibility for the building design or system design identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance specifications, materials, components, and manufactured devices for the building design or system design identified on this Cer	RF-E       CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD         F10       Responsible Designer Name: Randall P Cavannagh         RF-E       CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD         Mondency Designer Name: Randall P Cavannagh       Responsible Designer Signature:         Mandency Junto       Date Signeric: 0905/23         CICHT/STATE       CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD         Mandency Designer Name: Randall P Cavannagh       Responsible Designer Signature:         Mandency Junto       Date Signeric: 0905/23         City/State/Zip: Manteca, CA 95336       License #: C12631         Phone: 209.825.1921       Title: Architect
CE No Doc 1.1 Doc Cor Add City Res Cor Add City Pho Res Cor	ERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD       NRCC-P         Onresidential Performance Compliance Method       (Page 17 o         unmentation Author's Declaration Statement       Documentation Author Signature:         currentation Author Subcaration Statement       Signature Date:         unmentation Author Subcaration Statement       Documentation Author Signature:         page: Signature Date:       Signature Date:         unmentation Author Subcaration Statement       Documentation I accurate and complete.         Use Signature Date:       Signature Date:         upsolble Person's Declaration Statement       Dispose Person's Signature Date:         USATE/Zip: San Diego, CA 92101       Phone: (639) 573-6374         under Signature Date:       Dispose Person's Compliance Ethory Signature:         uright be under Division 3 of the Bissines and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance is true and correct.         1. The information provided on of this Certificate of Compliance is true to the offormation provided on other applicability for the building design or system design identified on this Certificate of Compliance are consistent with the information provided on other applicability for the building design or system design identified on this Certificate of Compliance are consistent with the information provided on other applicability for the building design or system design identified on this Certificate of Compliance is true system design identified on this	RF-E       CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD         F10       Responsible Designer Name: Randall P Cavannagh         RF-E       CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD         Mondency Designer Name: Randall P Cavannagh       Responsible Designer Signature:         Mandency Junto       Date Signeric: 0905/23         CICHT/STATE       CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD         Mandency Designer Name: Randall P Cavannagh       Responsible Designer Signature:         Mandency Junto       Date Signeric: 0905/23         City/State/Zip: Manteca, CA 95336       License #: C12631         Phone: 209.825.1921       Title: Architect
CE No Doc 1. 1 Doc Cor Add City Res Cor Add City Pho Res Cor Add City Pho Res Cor Add City Pho	ERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD       NRCC-P         Onresidential Performance Compliance Method       (Page 17 o         cumentation Author's Declaration Statement       Documentation Author Signature:         cumentation Author Subcaration Statement       Signature Date:         cumentation Author Subcaration Statement       Documentation Author Signature:         page: Markaman Consulting       Signature Date:         cumentation Author Subcaration Statement       Documentation Identification (if applicable)         for Signature Date:       Disposition Persons         cumentation Author Subcaration Statement       Phone: (619) 573-6374         ress: 13:0 J Street M409       CEA/HERS Certification Identification (if applicable)         provide Signature Date:       Disposition Persons         urgostible Persons Doclaration Statement       The information provided on this Certificate of Compliance is true and correct.         1. The information provided on this Certificate of Compliance is true and correct.       The information provided on othe specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance are consistent with the information provided on other applicable corrections, applicable to the correction code of Regulations.         1. The information provided on the specifications submetrations, upplications submetration the made available with the building design or system design identified on this	RF-E       CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD         F10       Responsible Designer Name: Randall P Cavannagh         RF-E       CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD         Mondency Designer Name: Randall P Cavannagh       Responsible Designer Signature:         Mandency Junto       Date Signeric: 0905/23         CICHT/STATE       CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD         Mandency Designer Name: Randall P Cavannagh       Responsible Designer Signature:         Mandency Junto       Date Signeric: 0905/23         City/State/Zip: Manteca, CA 95336       License #: C12631         Phone: 209.825.1921       Title: Architect
CE No Doc I. I Doc Cor Add City Res Cor Add City Pho Res Cor Add City Pho	Schema Version: rev 20220601  RETIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD  NRCC-P  onresidential Performance Compliance Method  (Page 17 o  numentation Author's Declaration Statement  currentation Author's Declaration Statement  currentation Author Signature:  signature Date:  currentation Author Name: Hans Marsman, CEA, LEED AP BD+C  many, Marsman Consuling  Signature Date:  currentation Author Name: Hans Marsman, CEA, LEED AP BD+C  pany, Marsman Consuling  Signature Date:  currentation Author Signature:  signature Date:  signature Date: signature Date:  signature Date:  signature Date:  signature Date:  signature Date: signature Date:  signature Date: signature Date: signature Date: signature Date: signature Date: signature Date: signature Date: signature Date: signature Date: signature Date: signature Date: signature Date: signature Date: signature Date	K. INCOOR CONSTINUE UIGITITIE GANNALOUT UIGITITIE CONTROL         Building Level Controls         01       01         02         Banatatory Temming Reports 110.11(d)       Shot Off Controls 110.11(d) 100.50/pt/C         No       Report Version: 2022.0000         S5:10       CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance       Report Version: 2022.0000         S5:10       CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance       Report Version: 2022.0000         S5:10       CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD         Nonresidential Performance Compliance Method       Schema Version: rev 20220601         Central Transmitter Compliance Compliance Method       Data Signet 0.0005/C3         Control Compliance Compliance Method       Data Signet 0.0005/C3         Control Compliance Compliance Method       Data Signet 0.0005/C3         Control Control Compliance Compliance Method       Data Signet 0.0005/C3         Control Control Control Compliance Compliance Method       Data Signet 0.0005/C3         Control Cont
CE No Doc I.I Doc Cor Add City Res Cor Add City Pho Res Cor Add City Pho	ERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD       NECC-P         envestigential Performance Compliance Method       (Page 17 o         aumentation Author's Declaration Statement	11.10       Incode Controlled Lighting Control.         11.10       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1
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CE No Doc I.I Doc Cor Add City Res Cor Add City Pho Res Cor Add City Pho	ERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD       NECC-P         envestigential Performance Compliance Method       (Page 17 o         aumentation Author's Declaration Statement	11.10       Incode Controlled Lighting Control.         11.10       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1
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CE No Doc I.I Doc Cor Add City Res Cor Add City Pho Res Cor Add City Pho	ERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD       NECC-P         envestigential Performance Compliance Method       (Page 17 o         aumentation Author's Declaration Statement	11.10       Incode Controlled Lighting Control.         11.10       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1
CE No Doc I.I Doc Cor Add City Res Cor Add City Pho Res Cor Add City Pho	ERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD       NECC-P         envestigential Performance Compliance Method       (Page 17 o         aumentation Author's Declaration Statement	11.10       Incode Controlled Lighting Control.         11.10       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1       0.1

rea Level Controls (inclu	des all lighting controls insta	alled in conditioned space to	meet mandatory requirem	ents per 130.1)		
03	04	05	06	07	08	09
Area Description	Area Category Primary Function Area	Area Controls 130.1(a) & 160.5(b)4A	Multi-Level Controls 130.1(b) & 160.5(b)4B	Shut-Off Controls 130.1(c) & 160.5(b)4C	Primary Daylighting 130.1(d) & 160.5(b)4D	Secondary Daylighting 140.5(d) & 160.5(b)4D
Classrooms Skylit Zn	Classroom, Lecture, or Training Vocational	Required	Required	Required	Required	NA
L. DECLARATION OF REQU	IRED CERTIFICATES OF INST	ALLATION				
				ne features to be recognized t	for compliance. These docu	ments must be retained
nd provided to the buildin Building Compone		tion and can be found online		Form/Title		
Envelope		- Must be submitted for a	ll huildings	romi, nue		
Envelope		nvelope (for all buildings)	in buildings			
Mechanical		E - Must be submitted for	all huildings			
Mechanical		For all buildings with Mec	0			
Plumbing		- Must be submitted for a	· ·	;		
Indoor Lighting		Must be submitted for al				
Indoor Lighting		door Lighting (for all buildi		;		
Indoor Lighting	NRCI-ITI-02-F-			for an Energy Manageme	nt Control System (EMCS	), to be recognized for
	UIRED CERTIFICATES OF ACC					
				ne features to be recognized Certification Provider (ATTCP)		ments must be provided
Building Compone				Form/Title		
Envelope		F - NRFC label verification	for fenestration			
Indoor Lighting	NRCA-LTI-02-A	- Occupancy Sensors and	Automatic Time Switch C	Controls.		
Indoor Lighting		- Automatic Daylight Cont				
Mechanical	NRCA-MCH-02		ubmitted for all newly in	stalled HVAC units. Note: I g activities overlap	MCH-02-A can be perforr	ned in conjunction with



	E - NONRESIDENTIAL PERFORMANCE COMPLIA		NRCC-PRF-E
Nonresidential Performance	Compliance Method		(Page 16 of 18)
A. DECLARATION OF REQUIRED	CERTIFICATES OF ACCEPTANCE		
		must be submitted for the features to be recognized f eptance Test Technician Certification Provider (ATTCP).	
Building Component		Form/Title	
Mechanical		on Systems must be submitted for all systems req rates based on maintaining interior carbon dioxid	
Mechanical	NRCA-MCH-07-A Supply Fan Variable Flow	Controls	
Mechanical	NRCA-MCH-19-A Occupancy Sensor Contro	ls	
	These are no Costifier	tes of Verification applicable to this project	
	inere are no cercinca	tes of venification appreadic to this project	
	inere are no cercinca		



CLIENT PROJ NO: 3595001000

HIRSCH ES - TK CLASSROOM

TRACY HMC Architects

DATE

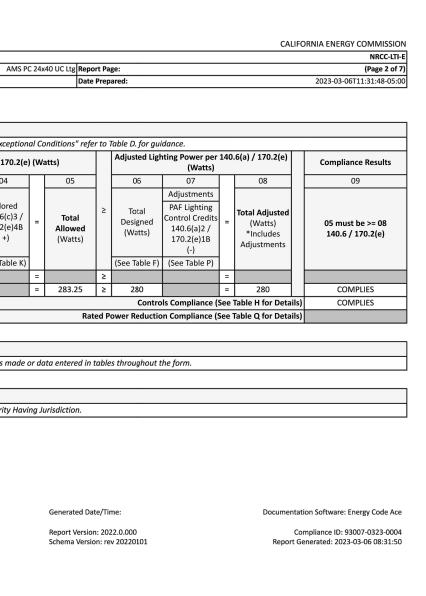
3/20/25



IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

APP: 02-122973 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 03/12/2025

nonresidential and hotel/motel oc path for multifamily occupancies.	cupancies. It is also used to document com Multifamily includes dormitory and senior		b)4 for indoor lighting scopes using the prescriptive	STATE OF CALIFORNIA Indoor Lighting CERTIFICATE OF COMPLIANCE Project Name:
Project Name: Project Address: A. GENERAL INFORMATION 01 Project Location (city) 02 Climate Zone 03 Occupancy Types Within Proje • Classroom	Palmdale 14	S PC 24x40 UC Ltg Report Page: Date Prepared: 04 Total Conditioned Floor Area (f 05 Total Unconditioned Floor Area 06 # of Stories (Habitable Above C	a (ft <sup>2</sup> ) 480	C. COMPLIANCE RESULTS If any cell on this table says "DOES NOT COMPLY" Lighting in conditioned and unconditioned spaces must not be complete complete Complete Complete Category
141.0(b)2 / 180.2(b)4 for alteratio Sc	ns. ope of Work 01 sts of (check all that apply):	Conditioned Spaces       O2     O3       Calculation Method     Area (ft <sup>2</sup> )       Area Category Method     0       N/A     0	the prescriptive path outlined in 140.6 / 170.2(e) or Unconditioned Spaces 04 05 Calculation Method Area (ft <sup>2</sup> ) Area Category Method 480 N/A 0	combined for compliance per 140.6(b)1 / 170.2(e)     Building 140.5(c)1     140.6(c)2 / 170.2(e)4       Conditioned     (See Table I)     (See Table I)       Unconditioned     283.25
				This table is auto-filled with uneditable comments  E. ADDITIONAL REMARKS  This table includes remarks made by the permit approximately and the permit of th
Registration Number: CA Building Energy Efficiency Standar	rds - 2022 Nonresidential Compliance	Generated Date/Time: Report Version: 2022.0.000 Schema Version: rev 20220101	Documentation Software: Energy Code Ace Compliance ID: 93007-0323-0004 Report Generated: 2023-03-06 08:31:50	Registration Number: CA Building Energy Efficiency Standards - 2022 Nonres
STATE OF CALIFORNIA Indoor Lighting CERTIFICATE OF COMPLIANCE Project Name:	AM:	S PC 24x40 UC Ltg Report Page: Date Prepared:	CALIFORNIA ENERGY COMMISSION NRCC-LTI-E (Page 5 of 7) 2023-03-06T11:31:48-05:00	STATE OF CALIFORNIA Indoor Lighting CERTIFICATE OF COMPLIANCE Project Name:
This section does not apply to this	AL LIGHTING POWER ALLOWANCE project.			S. DAYLIGHT DESIGN POWER ADJUSTMENT I This section does not apply to this project. T. DWELLING UNIT LIGHTING
This section does not apply to this	project. OWANCE: TAILORED FLOOR AND TASI	K LIGHTING		This section does not apply to this project.
This section does not apply to this	DWANCE: TAILORED VERY VALUABLE I			NRCI-LTI-E - Must be submitted for all buildings V. DECLARATION OF REQUIRED CERTIFICATE NRCA-LTI-02-A - Must be submitted for occupance
P. POWER ADJUSTMENT: LIGH This section does not apply to this	COMPLIANCE FOR ONE-FOR-ONE ALT			
Q. RATED POWER REDUCTION This section does not apply to this	ALL ALTERATIONS - CONTROLS EXCEP project.	TIONS Generated Date/Time:	Documentation Software: Energy Code Ace	Registration Number:
This section does not apply to this	rds - 2022 Nonresidential Compliance	Report Version: 2022.0.000 Schema Version: rev 20220101	Compliance ID: 93007-0323-0004 Report Generated: 2023-03-06 08:31:50	CA Building Energy Efficiency Standards - 2022 Nonres
This section does not apply to this <b>R. 80% LIGHTING POWER FOR</b> This section does not apply to this Registration Number:			CALIFORNIA ENERGY COMMISSION	STATE OF CALIFORNIA Outdoor Lighting CERTIFICATE OF COMPLIANCE Project Name:
This section does not apply to this <b>R. 80% LIGHTING POWER FOR</b> This section does not apply to this Registration Number:	AMS PC	Cs Ext Ltg - T24-22 Report Page: Date Prepared:	NRCC-LTO-E (Page 2 of 7) 2023-03-06T10:40:21-05:00	
This section does not apply to this  R. 80% LIGHTING POWER FOR This section does not apply to this  Registration Number: CA Building Energy Efficiency Standar  STATE OF CALIFORNIA Outdoor Lighting CERTIFICATE OF COMPLIANCE Project Name:  C. COMPLIANCE RESULTS Results in this table are automatic to Table D. Exceptional Conditions Calculations of Total Allo	ally calculated from data input and calculo for guidance or see applicable Table refere wed Lighting Power (Watts) 140.7 / 170.	Date Prepared: Date Prepared: ntions in Tables F through N. Note: If any cell on this table enced below. 2(e)6 or 141.0(b)2L / 180.2(b)4Bv	(Page 2 of 7) 2023-03-06T10:40:21-05:00 e says "COMPLIES with Exceptional Conditions" refer Compliance Results	F. OUTDOOR LIGHTING FIXTURE SCHEDULE For new or altered lighting systems demonstrating the spaces covered by the permit application are i installed and replacement luminaires being install Outdoor lighting attached to multifamily buildings lighting is included here.
This section does not apply to this         R. 80% LIGHTING POWER FOR         This section does not apply to this         This section does not apply to this         Registration Number:         CA Building Energy Efficiency Standard         STATE OF CALIFORNIA         Outdoor Lighting         CERTIFICATE OF COMPLIANCE         Project Name:	ally calculated from data input and calculo for guidance or see applicable Table refere	Date Prepared:           ations in Tables F through N. Note: If any cell on this table enced below.           2(e)6 or 141.0(b)2L / 180.2(b)4Bv           Per Specific Area 140.7(d)2 / 170.2(e)6 (See Table M)         06 R 0R 141.0(b)2L / 180.2(b)4Bv (See Table N)         Total Allo (Watts 180.2(b)4Bv (See Table N)           +          OR          =         17	(Page 2 of 7) 2023-03-06T10:40:21-05:00 e says "COMPLIES with Exceptional Conditions" refer Compliance Results 08 09 wed ≥ Total Actual 07 must be >= 08	For new or altered lighting systems demonstrating the spaces covered by the permit application are installed and replacement luminaires being install Outdoor lighting attached to multifamily building, lighting is included here.         Designed Wattage:         01       02         Name or Item Tag       Complete Luminaire Description         Ext Ltg Fixture       Libtopia ABC LED
This section does not apply to this         R. 80% LIGHTING POWER FOR         This section does not apply to this         Registration Number:         CA Building Energy Efficiency Standard         STATE OF CALIFORNIA         Outdoor Lighting         CERTIFICATE OF COMPLIANCE         Project Name:               C. COMPLIANCE RESULTS         Results in this table are automatic to Table D. Exceptional Conditions         Calculations of Total Allo         01       02         General Hardscape Allowance Hardscape Allowance 140.7(d)1/170.2(e)6 (See Table J)         0       +         0       +         0       +         D. EXCEPTIONAL CONDITIONS	ally calculated from data input and calcula for guidance or see applicable Table refere owed Lighting Power (Watts) 140.7 / 170. 03 04 + Sales + Frontage 140.7(d)2 (See Table K) + + Shielding Compliance (S	Date Prepared:       attions in Tables F through N. Note: If any cell on this table enced below.       2(e)6 or 141.0(b)2L / 180.2(b)4Bv       4     05 Area 140.7(d)2 / 170.2(e)6 (See Table M)     06 OR Allowance 141.0(b)2L / 180.2(b)4Bv (See Table N)     Total Allo (Watts 180.2(b)4Bv (See Table N)       +      OR      =     17       See Table G for Details)     OR      =     17	(Page 2 of 7)2023-03-06T10:40:21-05:00e says "COMPLIES with Exceptional Conditions" referCompliance Results0809Wed $\geq$ 17COMPLIES	For new or altered lighting systems demonstratin the spaces covered by the permit application are installed and replacement luminaires being insta Outdoor lighting attached to multifamily building lighting is included here. Designed Wattage: 01 02 Name or Item Tag Ext. Ita Firturo



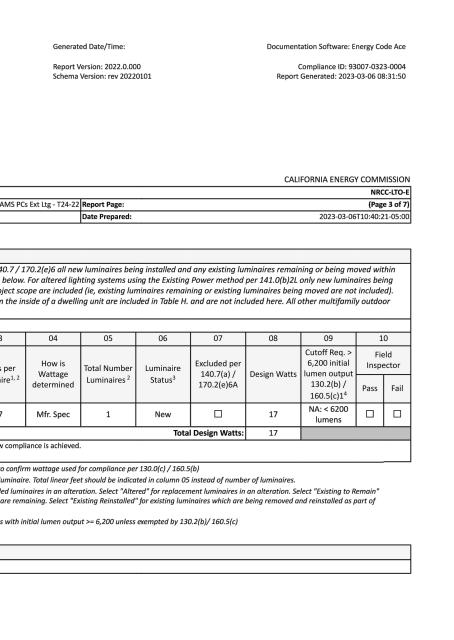
STATE OF CALIFORNIA

**Registration Number:** 

		CALIFORNIA ENERGY COMMISSION
		NRCC-LTI-E
1S PC 24x40 UC Ltg	Report Page:	(Page 6 of 7)
	Date Prepared:	2023-03-06T11:31:48-05:00
Form	/Title	
m/Title		Systems/Spaces To Be Field Verified
me switch contro	ols.	Restrooms

	OMPLIANCE									NRCC-L
Project Name:			AM	S PC 24x40 UC L	tg Report Page:					(Page 3 o
					Date Prepared:			2	023-03-06T11	:31:48-05
This table includ	HTING FIXTURE SCHEDUL les all planned permanent an Table T. If using Table T to doo	d portable light								
not included her Designed Watta	e. ge: Unconditioned Spaces									
01	02	03	04	05	06	07	08	09	1	n
	02	00	Small			0,	Excluded per	05	Field Inspector	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Aperture & Color Change <sup>1</sup>	Watts per Iuminaire <sup>2</sup>	How is Wattage determined	Total Number of Luminaires	140.6(a)3 / 170.2(e)2C	Design Watts	Pass	Fail
2x4 LED	2x4 LED	No	NA	50	Mfr. Spec	4	No	200		
40W Incandescent	40W Incandescent	No	NA	40	Mfr. Spec	2	No	80		
					Tabal Declassed	Matter LINCON		222		
automatically m Authority Havin	sign Watts for small aperture akes this adjustment, the per Ing Jurisdiction may ask for Lu	rmit applicant sl	hould enter full	rated wattage	per 140.6(a)4B / 13 in column 05.	70.2(e)2D is adju				
automatically m Authority Havin uminaire, not th	akes this adjustment, the pen g Jurisdiction may ask for Lu ee lamp.	rmit applicant sl	hould enter full	rated wattage	per 140.6(a)4B / 13 in column 05.	70.2(e)2D is adju	isted to be 75% /8	0% of their rated v		
automatically ma <sup>2</sup> Authority Havin luminaire, not th <b>G. MODULAR I</b>	akes this adjustment, the pen ng Jurisdiction may ask for Lu	rmit applicant sl	hould enter full	rated wattage	per 140.6(a)4B / 13 in column 05.	70.2(e)2D is adju	isted to be 75% /8	0% of their rated v		
automatically ma <sup>2</sup> Authority Havin luminaire, not th G. MODULAR I This section doe:	akes this adjustment, the pen ng Jurisdiction may ask for Lu ne lamp. LIGHTING SYSTEMS	rmit applicant sl minaire cut shea	hould enter full	rated wattage	per 140.6(a)4B / 13 in column 05.	70.2(e)2D is adju	isted to be 75% /8	0% of their rated v		
automatically mo Authority Havin Iuminaire, not th G. MODULAR I This section does H. INDOOR LIG	akes this adjustment, the pen ng Jurisdiction may ask for Lu ne lamp. LIGHTING SYSTEMS s not apply to this project.	rmit applicant sl minaire cut shee ncluding PAFs)	hould enter full	rated wattage vattage used fo	per 140.6(a)4B / 13 in column 05.	70.2(e)2D is adju	isted to be 75% /8	0% of their rated v		
automatically mo Authority Havin uminaire, not th G. MODULAR I This section does H. INDOOR LIG This table includ	akes this adjustment, the pen ng Jurisdiction may ask for Lu le lamp. LIGHTING SYSTEMS s not apply to this project. GHTING CONTROLS (Not in les lighting controls for condi	rmit applicant sl minaire cut shee ncluding PAFs)	hould enter full	rated wattage vattage used fo	per 140.6(a)4B / 13 in column 05.	70.2(e)2D is adju	isted to be 75% /8	0% of their rated v		
automatically mo Authority Havin uminaire, not th G. MODULAR I This section does H. INDOOR LIG This table includ	akes this adjustment, the pen ng Jurisdiction may ask for Lu le lamp. LIGHTING SYSTEMS s not apply to this project. GHTING CONTROLS (Not in les lighting controls for condi	rmit applicant sl minaire cut shee ncluding PAFs)	hould enter full	rated wattage vattage used fo	per 140.6(a)4B / 13 in column 05.	70.2(e)2D is adju	isted to be 75% /8	0% of their rated v		r the
automatically mo Authority Havin uminaire, not th G. MODULAR I This section does H. INDOOR LIG This table includ	akes this adjustment, the pen ng Jurisdiction may ask for Lu ee lamp. LIGHTING SYSTEMS s not apply to this project. GHTING CONTROLS (Not in les lighting controls for condi ontrols	rmit applicant sl minaire cut she ncluding PAFs) tioned and uncc	hould enter full ets to confirm w	rated wattage vattage used fo	per 140.6(a)48 / 1; in column 05. or compliance per 1	70.2(e)2D is adju 30.0(c) / 160.5(	isted to be 75% /8 b). Wattage used i	0% of their rated v	num rated fo	r the
automatically mo Authority Havin Iuminaire, not th G. MODULAR I This section does H. INDOOR LIG	akes this adjustment, the pen ig Jurisdiction may ask for Lu ie lamp. LIGHTING SYSTEMS is not apply to this project. SHTING CONTROLS (Not ir les lighting controls for condi ontrols 01	rmit applicant sl minaire cut shea ncluding PAFs) tioned and uncc ponse 110.12(c)	hould enter full ets to confirm w	rated wattage vattage used fo	per 140.6(a)48 / 1: in column 05. rr compliance per 1	70.2(e)2D is adju 30.0(c) / 160.5( 	Isted to be 75% /8 b). Wattage used I 	0% of their rated v	num rated fo 03 Field Ins	r the





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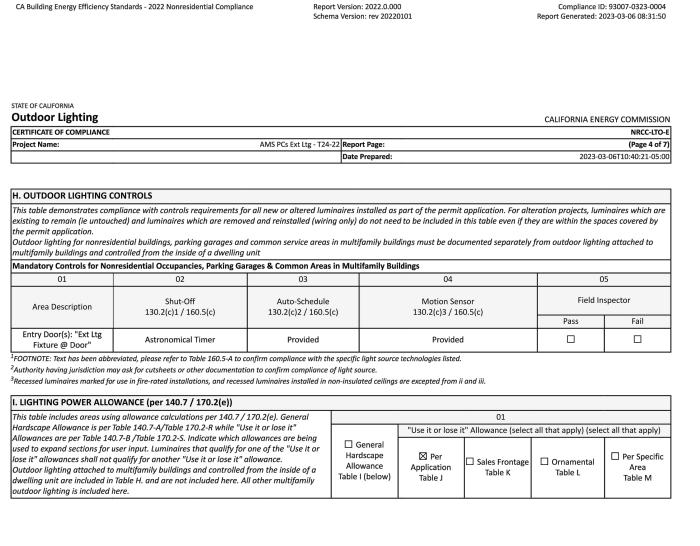
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Compliance ID: 92981-0323-0007

Generated Date/Time:

Report Version: 2022.0.000

Schema Version: rev 20220101

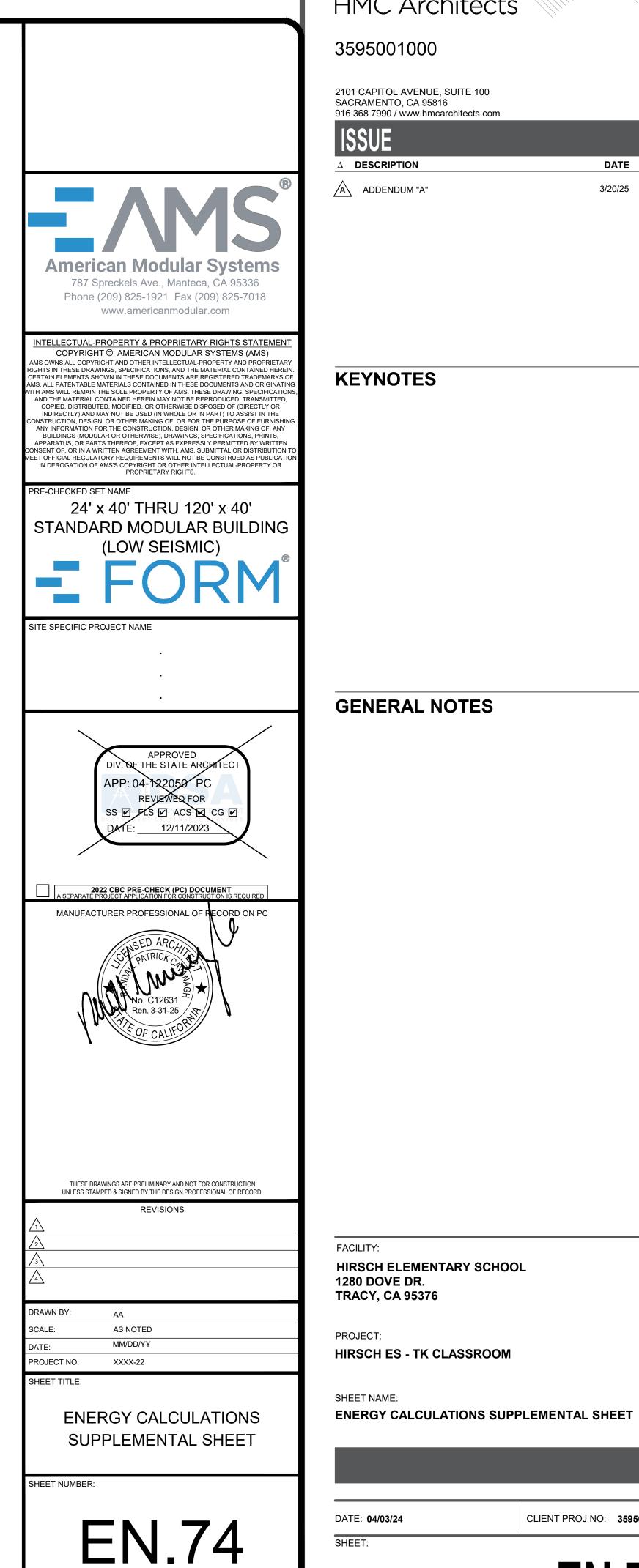


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Registration Number: Generated Date/Time: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220101

Documentation Software: Energy Code Ace Compliance ID: 92981-0323-0007 Report Generated: 2023-03-06 07:40:22

Documentation Software: Energy Code Ace



ERTIFICATE OF COMPLIANCE Project Name:								CALIFORN	A ENERGY (	COMMISSIC
roject Name:										NRCC-LTI
		AMS PC	24x40 UC Ltg Rep	ort Page: Prepared:					2023-03-06T	(Page 4 of
				- repured.					.023 03 001.	
I. INDOOR LIGHTING CONTI	ROLS (Not including PAFs)									
rea Level Controls	05	00	07		20	00	10	11		12
04	05	06	07		08	09	10	11		12
Area Description	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(a) / 160.5(b)4A	Multi-Level Controls 130.1(b) / 160.5(b)4B	130.3	<sup>-</sup> Controls 1(c) // 5(b)4C	Primary/Sky lit Daylighting 130.1(d) / 160.5(b)4D	Secondary Daylighting 130.1(d) / 160.5(b)4D	Interlocked Systems 140.6(a)1/ 170.2(e)2A	Field Inspector	
									Pass	Fail
Restrooms	Restroom	Readily Accessible	NA: Restrooms	Occupan	cy Sensor	NA: Not daylit zone	NA: Not daylit zone NA: Not	No		
Plumb Chase	Electrical Mechancial Telephone Room	Readily Accessible	NA: General Ltg <= 0.5W/SF	NA: Elec.	equip. rm	NA: Not daylit zone	daylit zone	No 13		
						Plan Sheet Showing Daylit Zones:				
01	02	2		03	04		05		06	
Area Description	Complete Building or A Functio		,	ed Density V/ft²)	Area (ft <sup>2</sup> )		d Wattage Vatts)	Additional A Area Categ		Adjustmen PAF
	Restro	oom		).65	365	23	37.25	No		No
Restrooms										110
Restrooms Plumb Chase	Electrical Mechancia	al Telephone Roo	om	0.4	115		46	No		No
	Electrical Mechancia	al Telephone Roc	om	0.4 TOTALS:	115 480	28	46 83.25		les J, or P fo	No
Plumb Chase	Electrical Mechancia			TOTALS:		2			les J, or P fo	No
Plumb Chase ADDITIONAL ALLOWANCE	AREA CATEGORY METHOD C			TOTALS:		21			les J, or P fo	No
Plumb Chase	AREA CATEGORY METHOD C			TOTALS:		2	83.25			No or detail

STATE OF CALIFORNIA

Project Name:

Registration Number:

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

**Outdoor Lighting** 

CERTIFICATE OF COMPLIANCE

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Project Name:		AMS PCs Ext Ltg - T24-22	Repo	ort Page:				(Page 1 of 7
Project Address:		AND TO EXCLUS 124 22	<u> </u>	Prepared:			2023-03-	06T10:40:21-05:00
A. GENERAL INFORMATION								
01 Project Location (city)	Palmdale		04	Total Illuminated Hardscape An	aa (ft²)	0		
02 Climate Zone	14			notal maninaceu naruscape An	.a (it )	5		
03 Outdoor Lighting Zone per Title 24 Par	rt 1 10.114 or as c	designated by Authority Having	Juriso	diction (AHJ):				
LZ-0: Very Low - Undeveloped Parklan	id 🔲 LZ-2: Mo	derate - Urban Clusters		LZ-4: High - Must be reviewed I	oy CA Ene	rgy Commissior	for Approva	
LZ-1: Low - Rural Areas	🛛 LZ-3: Mo	derately High - Urban Areas						
05 Occupancy Types within Project								
Classroom								
3. PROJECT SCOPE				· · · ·				
This table includes outdoor lighting systems	that are within t	he scope of the permit applicat	ion ar	ad are demonstrating compliance	a usina th	e prescriptive p	ath outlined i	1407/
170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv for a		ne scope of the permit applicat	ion ui	in the demonstrating compliance	. using th		attri outiliticu i	140.77
My Project Consists of:								
01				02				
New Lighting System		Must Comply with Allowance	s from	140.7 / 170.2(e)6				
Altered Lighting System		Is your alteration increasing the	ne cor	nected lighting load (Watts)?	0	Yes	0	No
			04				05	
03						Calcula	tion Method	
03	ltered <sup>1</sup>	Sum Total of Lumina	ires B	eing Added or Altered				
03 % of Existing Luminaires Being A		Sum Total of Lumina	ires B	eing Added or Altered				
03 % of Existing Luminaires Being A ○ < 10% ○ >= 10% and < 50%	>= 50%			eing Added or Altered				
03 % of Existing Luminaires Being A ○ < 10% ○ >= 10% and < 50% Please proceed to Table F. Outdoor Lightin	<pre></pre>	e to define the project's lumin	aires.					100
03 % of Existing Luminaires Being A ○ < 10% ○ >= 10% and < 50%	<pre></pre>	e to define the project's lumin	aires.		hin the Sc	ope of the Perm	it Applicatior	) x 100.
03 % of Existing Luminaires Being A ○ < 10% ○ >= 10% and < 50% Please proceed to Table F. Outdoor Lightin	<pre></pre>	e to define the project's lumin	aires.		hin the Sc	ope of the Perm	it Applicatior	) x 100.
03 03 % of Existing Luminaires Being A ○ < 10% ○ >= 10% and < 50% lease proceed to Table F. Outdoor Lightin	<pre></pre>	e to define the project's lumin	aires.		hin the Sc	ope of the Perm	it Applicatior	) x 100.
03 % of Existing Luminaires Being A ○ < 10% ○ >= 10% and < 50% Please proceed to Table F. Outdoor Lightin	<pre></pre>	e to define the project's lumin	aires.		hin the Sc	ope of the Perm	it Applicatior	) x 100.
O3     O3     O3     O3     O3     O3     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O     O	<pre></pre>	e to define the project's lumin	aires.		hin the Sc	ope of the Perm	it Application	) x 100.
03 % of Existing Luminaires Being A ○ < 10% ○ >= 10% and < 50% Please proceed to Table F. Outdoor Lightin	<pre></pre>	e to define the project's lumin	aires.		hin the Sc	ope of the Perm	it Applicatior	) x 100.
03 % of Existing Luminaires Being A ○ < 10% ○ >= 10% and < 50% Please proceed to Table F. Outdoor Lightin	<pre></pre>	<b>e to define the project's lumin</b> Total of Luminaires Being Adde	aires. ed or /		hin the Sc			) x 100.

Report Version: 2022.0.000

Schema Version: rev 20220101

CALIFORNIA ENERGY COMMISSION NRCC-LTO-E AMS PCs Ext Ltg - T24-22 Report Page: Date Prepare (Page 5 of 7 2023-03-06T10:40:21-05:00

Compliance ID: 92981-0323-0007

Compliance ID: 92981-0323-0007

Report Generated: 2023-03-06 07:40:22

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J. LIGHTING ALLOWANCE: PER APPL	ICATION								
This table includes areas using the watte	age allowance per application from	m Table 140.7	B / Table 170.	2-S.					
01	02	03	04	05	06	07	08	09	10
		CALCULAT	ED ALLOWAN	CE (Watts)		DESIGN	WATTS		Additional
Area Description	Application per Table 140.7-B <sup>1</sup>	# of Locations	Allowance per Location <sup>2</sup>	Extra Allowance (Watts)	Luminaire Name or Item Tag	Watts per Luminaire	# of Luminaires	Design Watts	Allowance
Entry Door(s)	Building Entrance/Exit	1	19	19	Ext Ltg Fixture @ Door	17	1	17	17
					Total	Design Watts	for this Area:	17	
						Total A	llowance (Wa	tts) All Areas:	17
FOOTNOTES: Primary entrance applications	, , ,		, ,,		oitals, fire statio	ns, and emerge	ncy vehicle faci	lities.	

<sup>2</sup> The Allowance per Location for ATMs is 100W for the first ATM and 35W for each additional per Table 140.7-B /Table 170.2-S. <sup>3</sup> For luminaires indicated in Table F as linear, wattage in column 07 is W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 08 instead of number of luminaires.

K. LIGHTING ALLOWANCE: SALES FRONTAGE ection does not apply to this proiect L. LIGHTING ALLOWANCE: ORNAMENTAL This section does not apply to this project. M. LIGHTING ALLOWANCE: PER SPECIFIC AREA This section does not apply to this project. N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only) This section does not apply to this project. Generated Date/Time: Documentation Software: Energy Code Ace

Report Version: 2022.0.000

Schema Version: rev 20220101

PLEASE RECYCLE

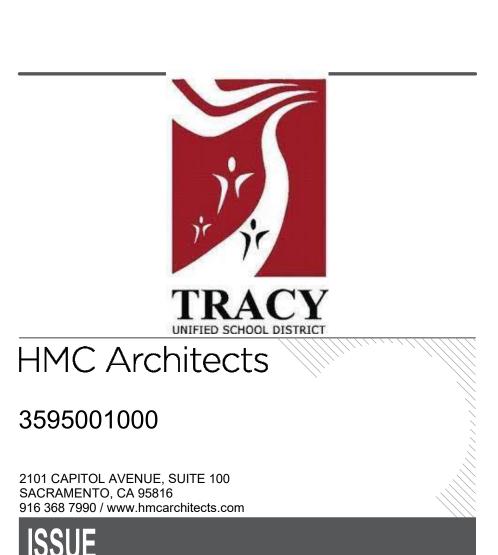


CLIENT PROJ NO: 3595001000

HIRSCH ES - TK CLASSROOM

3/20/25

DATE



IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC

APP: 02-122973 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

DATE: 03/12/2025

STATE OF CALIFORNIA Outdoor Lighting CERTIFICATE OF COMPLIANCE Project Name:	AMS PCs Ext Ltg - T24-22 Report Page:	CALIFORNIA ENERGY COMMISSION NRCC-LTO-E (Page 6 of 7)	STATE OF CALIFORNIA Outdoor Lighting CERTIFICATE OF COMPLIANCE Project Name:	AMS PCs Ext Ltg	tg - T24-22 Report Page:	CALIFORNIA ENERGY CO
O. DECLARATION OF REQUIRED CERTIFICATES OF	Date Prepared:	2023-03-06T10:40:21-05:00	Project Address: DOCUMENTATION AUTHOR'S DECLARATION		Date Prepared:	2023-03-06T10:
NRCI-LTO-E - Must be submitted for all buildings	Form/Title		I certify that this Certificate of Compliance d Documentation Author Name: Hans Marsman Company: Marsman Consulting Address: 1150 J Street #409	locumentation is accurate and	Documentation Author Signature: Signature Date: CEA/ HERS Certification Identification (if applicable):	CEA Ens Marsma Digitally signe Hans Marsma LEED AP, CB Date: 2023.03 09:51:37-06'04
P. DECLARATION OF REQUIRED CERTIFICATES OF	ACCEPTANCE Form/Title thting controls except for alterations where controls are added to <= 20 luminaires.	Systems/Spaces To Be Field Verified Entry Door(s): "Ext Ltg Fixture @ Door"	<ol> <li>The energy features and performance specificatio of Title 24, Part 1 and Part 6 of the California Code</li> <li>The building design features or system design feat</li> </ol>	s of the State of California: mpliance is true and correct. Professions Code to accept responsibility fo ons, materials, components, and manufactu e of Regulations. tures identified on this Certificate of Compl	for the building design or system design identified on this Certificate of Complian tured devices for the building design or system design identified on this Certificat pliance are consistent with the information provided on other applicable complia	ance (responsible designer) ate of Compliance conform to the re
				Certificate of Compliance shall be made ava d copy of this Certificate of Compliance is re	ng permit application. valiable with the building permit(s) issued for the building, and made available tre required to be included with the documentation the builder provides to the build Responsible Designer Signature: Date Signed: 03/04/2023 License: C12631 Phone: 209.825.1921	
STATE OF CALIFORNIA		eport Generated: 2023-03-06 07:40:22	Registration Number: CA Building Energy Efficiency Standards - 2022 Nonres STATE OF CALIFORNIA	sidential Compliance	Report Version: 2022.0.000	Compliance ID: 92981-
G. DOMESTIC HOT WATER DISTRIBUTION SYSTEM         This table is used to demonstrate compliance for nonrecompliance is demonstrated with requirements 110.3(         Mandatory Pipe Insulation All Occupancies         For systems serving dwelling         • Piping that penetrates	AMS PCs Water Heating - T24-22 Report Page: Date Prepared: M esidential occupancies with distribution requirements in 120.3 and 140.5. For multifamily and h c), 160.4, 170.2(d). units, pipe insulation must meet the minimum insulation requirements in Table 160.4-A (see b framing members shall not be required to have pipe insulation for the distance of the framing	CALIFORNIA ENERGY COMMISSION NRCC-PLB-E (Page 3 of 6) 2023-03-06T10:41:54-05:00 otel/motel occupancies, low) except: penetration. Piping that	CA Building Energy Efficiency Standards - 2022 Nonres STATE OF CALIFORNIA Domestic Water Heating System CERTIFICATE OF COMPLIANCE Project Name: H. DOMESTIC HOT WATER CONTROLS	AMS PCs Water Heating h control requirements in 110.3 for 0.2(d). t able Construction documents req	Report Version: 2022.0.000	Compliance ID: 92981. Report Generated: 2023-03-0 CALIFORNIA ENERGY CO 2023-03-06T10: ccupancies, compliance is al:
Domestic Water Heating System         CERTIFICATE OF COMPLIANCE         Project Name:	AMS PCs Water Heating - T24-22 Report Page: Date Prepared: Date Prepared: M esidential occupancies with distribution requirements in 120.3 and 140.5. For multifamily and h c), 160.4, 170.2(d). units, pipe insulation must meet the minimum insulation requirements in Table 160.4-A (see b framing members shall not be required to have pipe insulation for the distance of the framing ining shall use grommets, plugs, wrapping or other insulating material to assure that no contact ecurely against all framing members rior or exterior walls shall not be required to have pipe insulation if all of the requirements are (QII) as specified in the Reference Residential Appendix RA3.5. h a minimum of 1 inch of wall insulation, 2 inches of crawlspace insulation, or 4 inches of attic ential spaces, pipe insulation for the following applications is specified to comply with Table 12 iping, including supply and return piping of the water heater d cold outlet piping, including between storage tank and heat trap, for a nonrecirculating storage ly heated from damage, including that due to sunlight, moisture, equipment maintenance, and wind. Ins able for outdoor service per 120.3(b) / 160.4(f). Pipe insulation buried below grade must be ins re. TABLE 120.3-A / 160.4-A PIPE INSULATION THICKNESS	CALIFORNIA ENERGY COMMISSION NRCC-PLB-E (Page 3 of 6) 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 otel/motel occupancies, low) except: penetration. Piping that is made with the metal framing. met for compliance with Quality insulation, shall not be required to 0.3-A (see below) per 120.3: ge system ulation exposed to weather shall talled in a water proof and	CA Building Energy Efficiency Standards - 2022 Nonrest         STATE OF CALIFORNIA         Domestic Water Heating System         CERTIFICATE OF COMPLIANCE         Project Name:         Image:	AMS PCs Water Heating h control requirements in 110.3 for 0.2(d). t able Construction documents req temperature controls capabl Systems with capacity > 167, Plumbing Code 613.0. Controls for circulating pump §110.3(c)2 unless systems ser additions. For recirculation systems ser additions. For recirculation systems ser Appendix RA4.4.9 per 170.2[ Combustion air positive shut • Boilers with input cap pressure • Boilers where one sta Boiler combustion air fans w • The fan motor shall b	Report Version: 2022.0.000         Schema Version: rev 20220101	ems are equipped with auto .3(c)1 unless covered by Cal r turning off the system per controls per 170.2(d) or 180 controls as specified in Referen nercial boilers as follows: ate with a nonpositive vent stack of 2.5 MMBtr
Domestic Water Heating System         CERTIFICATE OF COMPLIANCE         Project Name:	AMS PCs Water Heating - T24-22 Report Page: Date Prepared: Date Prepared: M esidential occupancies with distribution requirements in 120.3 and 140.5. For multifamily and h c), 160.4, 170.2(d). units, pipe insulation must meet the minimum insulation requirements in Table 160.4-A (see b framing members shall not be required to have pipe insulation for the distance of the framing ing shall use grommets, plugs, wrapping or other insulating material to assure that no contact ecurely against all framing members rior or exterior walls shall not be required to have pipe insulation if all of the requirements are (QII) as specified in the Reference Residential Appendix RA3.5. h a minimum of 1 inch of wall insulation, 2 inches of crawlspace insulation, or 4 inches of attic ential spaces, pipe insulation for the following applications is specified to comply with Table 12 iping, including supply and return piping of the water heater d cold outlet piping, including between storage tank and heat trap, for a nonrecirculating storag liy heated from damage, including that due to sunlight, moisture, equipment maintenance, and wind. Ins able for outdoor service per 120.3(b) / 160.4(f). Pipe insulation buried below grade must be ins <i>y</i> e.	CALIFORNIA ENERGY COMMISSION NRCC-PLB-E (Page 3 of 6) 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 actel/motel occupancies, actel/motel occupancies, actel/motel/motel occupancies, actel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/motel/m	STATE OF CALIFORNIA         Domestic Water Heating System         CERTIFICATE OF COMPLIANCE         Project Name:         In DOMESTIC HOT WATER CONTROLS         This table is used to demonstrate compliance with demonstrated with requirements in 160.4(e) / 170         Q2       Q         Q3       Q         Q4       Q         Q5       Q         Q6       Q         Q7       Q         Q8       Q	AMS PCs Water Heating         h control requirements in 110.3 for         0.2(d).         t         able         Construction documents req         temperature controls capabl         Systems with capacity > 167,         Plumbing Code 613.0.         Controls for circulating pump         \$110.3(c)2         unless systems ser         additions.         For recirculation systems ser         additions.         For recirculation systems ser         additions.         For recirculation systems ser         additions.         Boilers with input cap         pressure         Boilers where one sta         Boiler combustion air positive shut         motor shall b         The fan motor shall ir         design air volume.         Newly installed boilers with         maintain excess (stack-gas) c         volume shall be controlled w         control linkage or jack shaft	Report Version: 2022.0.000         Schema Version: rev 20220101	Compliance ID: 92981- Report Generated: 2023-03-0 CALIFORNIA ENERGY CO ( 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T
Domestic Water Heating System         CERTIFICATE OF COMPLIANCE         Project Name:	AMS PCs Water Heating - T24-22       Report Page:         Date Prepared:    Page:	CALIFORNIA ENERGY COMMISSION NRCC-PLB-E (Page 3 of 6) 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 2023-05-05-05 2023-05-05-05 2023-05-05-05 2023-05-05-05 2023-05-05	STATE OF CALIFORNIA         Domestic Water Heating System         CERTIFICATE OF COMPLIANCE         Project Name:         Image: I	AMS PCs Water Heating         h control requirements in 110.3 for         0.2(d).         t         able         Construction documents req         temperature controls capabl         Systems with capacity > 167,         Plumbing Code 613.0.         Controls for circulating pump         \$110.3(c)2         unless systems ser         additions.         For recirculation systems ser         additions.         For recirculation systems ser         additions.         For recirculation systems ser         additions.         Boilers with input cap         pressure         Boilers where one sta         Boiler combustion air positive shut         motor shall b         The fan motor shall ir         design air volume.         Newly installed boilers with         maintain excess (stack-gas) c         volume shall be controlled w         control linkage or jack shaft	Report Version: 2022.0.000         Schema Version: rev 20220101	Compliance ID: 92981 Report Generated: 2023-03-4 CALIFORNIA ENERGY CC 2023-03-06T10 2023-03-06T10 ccupancies, compliance is al ccupancies, compliance is al ccupancies, compliance is al compliance is al compliance is al controls per 170.2(d) or 186 controls per 170.2(d) or 186 controls as specified in Refer nercial boilers as follows: ate with a nonpositive vent acity per stack of 2.5 MMBi he total design wattage at 5 ad combustion efficiency < ng rates of 20-100%. Comb of a common gas and com
Domestic Water Heating System         CERTIFICATE OF COMPLIANCE         Project Name:       Project Name:         G. DOMESTIC HOT WATER DISTRIBUTION SYSTEM         This table is used to demonstrate compliance for nonrecompliance is demonstrated with requirements 110.3(         Mandatory Pipe Insulation All Occupancies       Piping that penetrates penetrates metal frame insulation shall abut set of the piping installed in intermediation installation         13       Image: Piping installed in intermediation installation         14       For systems serving nonresid         15       Image: Piping installed with a cover suit non-crushable casing or sleever         Fluid Temperature Range ( "F)       Conductivity Range (Btu-in per frue "F)	AMS PCs Water Heating - T24-22       Report Page:         Date Prepared:         Seldential occupancies with distribution requirements in 120.3 and 140.5. For multifamily and h c), 160.4, 170.2(d).         units, pipe insulation must meet the minimum insulation requirements in Table 160.4-A (see b framing members shall not be required to have pipe insulation for the distance of the framing ing shall use grommets, plugs, wrapping or other insulating material to assure that no contact excurely against all framing members         rior or exterior walls shall not be required to have pipe insulation if all of the requirements are (QII) as specified in the Reference Residential Appendix RA3.5.         h a minimum of 1 inch of wall insulation, 2 inches of crawlspace insulation, or 4 inches of attic         ential spaces, pipe insulation for the following applications is specified to comply with Table 12 iping, including supply and return piping of the water heater         d cold outlet piping, including that due to sunlight, moisture, equipment maintenance, and wind. Ins able for outdoor service per 120.3(b) / 160.4(f). Pipe insulation buried below grade must be inside.         Sulation Mean Rating Temp (         °F)       Nominal Pipe Diameter (in)         sulation Mean Rating Temp (       1 to < 1.5 in or R-12.5	CALIFORNIA ENERGY COMMISSION NRCC-PLB-E (Page 3 of 6) 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 otel/motel occupancies, and otel occupancies, low) except: penetration. Piping that is made with the metal framing. met for compliance with Quality insulation, shall not be required to 0.3-A (see below) per 120.3: ge system ulation exposed to weather shall talled in a water proof and 1.5 to < 4 Multifamily & Hotel/Motel d	STATE OF CALIFORNIA         Domestic Water Heating System         CERTIFICATE OF COMPLIANCE         Project Name:         In DOMESTIC HOT WATER CONTROLS         This table is used to demonstrate compliance with demonstrated with requirements in 160.4(e) / 170         Q2       Q       Q         Q3       Q       Q         Q4       Q       Q         Q5       Q       Q         Q6       Q       Q         Q7       Q       Q         Q8       Q       Q         I. DECLARATION OF REQUIRED CERTIFICATES	AMS PCs Water Heating h control requirements in 110.3 for 0.2(d). t able Construction documents req temperature controls capable Systems with capacity > 167, Plumbing Code 613.0. Controls for circulating pump §110.3(c)2 unless systems ser additions. 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Report Generated: 2023-03-0 CALIFORNIA ENERGY CO 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-03-06T10: 2023-06T10: 2023-06T10: 2023-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-06T10: 2023-07-07-07-07-07-07-07-07-07-07-07-07-07-
Domestic Water Heating System         ERTIFICATE OF COMPLIANCE         Project Name:       Image:	AMS PCs Water Heating - T24-22       Report Page:         Date Prepared:         Seldential occupancies with distribution requirements in 120.3 and 140.5. For multifamily and h c), 160.4, 170.2(d).         units, pipe insulation must meet the minimum insulation requirements in Table 160.4-A (see b framing members shall not be required to have pipe insulation for the distance of the framing ing shall use grommets, plugs, wrapping or other insulating material to assure that no contact excurely against all framing members         rior or exterior walls shall not be required to have pipe insulation if all of the requirements are (QII) as specified in the Reference Residential Appendix RA3.5.         h a minimum of 1 inch of wall insulation, 2 inches of crawlspace insulation, or 4 inches of attic         ential spaces, pipe insulation for the following applications is specified to comply with Table 12 iping, including supply and return piping of the water heater         d cold outlet piping, including that due to sunlight, moisture, equipment maintenance, and wind. Ins able for outdoor service per 120.3(b) / 160.4(f). Pipe insulation buried below grade must be inside.         Sulation Mean Rating Temp (         °F)       Nominal Pipe Diameter (in)         sulation Mean Rating Temp (       1 to < 1.5 in or R-12.5	CALIFORNIA ENERGY COMMISSION NRCC-PLB-E (Page 3 of 6) 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 accuration. Piping that is made with the metal framing. met for compliance with Quality insulation, shall not be required to 0.3-A (see below) per 120.3: ge system ulation exposed to weather shall talled in a water proof and 1.5 to < 4 Multifamily & Hotel/Motel 1 1.5 to < 4 Multifamily & Hotel/Motel 1 2.0 in or R-16	STATE OF CALIFORNIA DOMESTIC WATER HEATING SYSTEM Froject Name:  This table is used to demonstrate compliance with demonstrated with requirements in 160.4(e) / 170 This table is used to demonstrate compliance with demonstrated with requirements in 160.4(e) / 170 O2 O3 O4 O5 O O O O O O O O O O O O O O O O O	AMS PCs Water Heating h control requirements in 110.3 for 0.2(d). t able Construction documents req temperature controls capabil Systems with capacity > 167, Plumbing Code 613.0. Controls for circulation systems ser additions. For recirculation systems ser additions. For recirculation systems ser additions. For recirculation systems ser additions. Combustion air positive shut Boilers with input cap pressure Boilers where one sta Boiler combustion air fans w Boilers where one sta Boiler combustion air fans w Boilers with input cap pressure Boilers with input cap pressure Boilers where one sta Soft INSTALLATION sidential Compliance	Report Version: 2022.0.000         Schema Version: rev 20220101	Compliance ID: 92981 Report Generated: 2023-03-4 CALIFORNIA ENERGY CO 2023-03-06T10 2023-03-06T10 2023-03-06T10 2023-03-06T10 cupancies, compliance is al cems are equipped with aut 3(c)1 unless covered by Ca turning off the system per controls per 170.2(d) or 18 controls as specified in Refe hercial boilers as follows: ate with a nonpositive vent acity per stack of 2.5 MMB he total design wattage at 5 ad combustion efficiency < ng rates of 20-100%. Comb of a common gas and com common gas and com commentation Software: Energ Compliance ID: 92981 Report Generated: 2023-03-4
Domestic Water Heating System         CERTIFICATE OF COMPLIANCE         Project Name:	AMS PCs Water Heating - T24-22       Report Page: Date Prepared:         M         sciential occupancies with distribution requirements in 120.3 and 140.5. For multifamily and h c, 160.4, 170.2(d).         units, pipe insulation must meet the minimum insulation requirements in Table 160.4-A (See b framing members shall not be required to have pipe insulation for the distance of the framing ing shall use groumers, plugs, wrapping or other insulating material to assure that no contact excurely against all framing members         rior or exterior walls shall not be required to have pipe insulation if all of the requirements are (QII) as specified in the Reference Residential Appendix RA3.5.         h a minimum of 1 inch of wall insulation, 2 inches of crawlspace insulation, or 4 inches of attic ential spaces, pipe insulation for the following applications is specified to comply with Table 12 (QII) as specified in the Reference Residential Appendix RA3.5.         h aminimum of 1 inch of wall insulation, 2 inches of crawlspace insulation, or 4 inches of attic ential spaces, pipe insulation for the following applications is specified to comply with Table 12 (QII) as specified ing. Including between storage tank and heat trap, for a nonrecirculating storage tank and heat trap. For a nonrecirculating storage tank and heat trap. For a nonrecirculating storage in 20.3(b) / 160.4(f). Pipe insulation buried below grade must be insulation Mean Rating Temp (         trade       Call 1 to <1.5	CALIFORNIA ENERGY COMMISSION NRCC-PLB-E (Page 3 of 6) 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 cotel/motel occupancies, is made with the metal framing. met for compliance with Quality insulation, shall not be required to 0.3-A (see below) per 120.3: ge system ulation exposed to weather shall talled in a water proof and 1.5 to < 4 Multifamily & Hotel/Motel 4 2.0 in or R-16 umentation Software: Energy Code Ace Compliance ID: 92981-0323-0009 eport Generated: 2023-03-06 07:41:56 CEC-NRCC-ELC-E constructed nonresidential Additions and alterations pliance per §141.0(a) or	STATE OF CALIFORNIA   DOMESTIC Water Heating System   CERTIFICATE OF COMPLIANCE   Project Name:     I. DOMESTIC HOT WATER COMINGUARE of the subset to demonstrate compliance with demonstrate dwith requirements in 150.4(e) 1/17/10/10/10/10/10/10/10/10/10/10/10/10/10/	AMS PCs Water Heating h control requirements in 110.3 for 0.2(d). t ble Construction documents req temperature controls capabl Systems with capacity > 167, Plumbing Code 613.0. Controls for circulating pumy \$110.3(c)2 unless systems ser additions. For recirculation systems ser additions. For recirculation air positive shut Boilers with input cap pressure Boilers where one sta Boiler combustion air fans w The fan motor shall in design air volume. N ELECTRICA Stems that are within the scor O4	Report Version: rev 20220101         ig - T24-22       Report Page:         Date Prepared:	Compliance ID: 92981 Report Generated: 2023-03- CALIFORNIA ENERGY CO 2023-03-06T10 2023-03-06T10 cupancies, compliance is a cupancies, compliance is a cupancies, compliance is a cupancies, compliance is a controls per 170.2(d) or 18 controls as specified in Refe nercial boilers as follows: ate with a nonpositive vent acity per stack of 2.5 MMB he total design wattage at 5 ad combustion efficiency < ng rates of 20-100%. Comb of a common gas and com compliance ID: 92981 Report Generated: 2023-03- CEC-NRCCC CEC-NRCCC
Domestic Water Heating System         ERTIFICATE OF COMPLIANCE         Project Name:	AMS PCs Water Heating - T24-22       Report Page:         Date Prepared:         M         esidential occupancies with distribution requirements in 120.3 and 140.5. For multifamily and h c, 160.4, 170.2(d).         Inits, pipe insulation must meet the minimum insulation requirements in Table 160.4-A (see b frammers shall so the required to have pipe insulation for the distance of the framing ing shall use grommets, plugs, wrapping or other insulating material to assure that no contact excurely against all framing members         nor or exterior walls shall not be required to have pipe insulation if all of the requirements are (201) as specified in the Reference Residential Appendix RA3.5.         h a minimum of 1 inch of wall insulation, 2 inches of arxiv page insulation, or 4 inches of attic ential spaces, pipe insulation for the following applications is specified to comply with Table 12 (201) (1990) and return piping of the water heater         d cold outlet piping, including that due to sunlight, moisture, equipment maintenance, and wind. Instable for outdoor service per 120.3(b) / 160.4(f). Pipe insulation buried below grade must be instate.             <1	CALIFORNIA ENERGY COMMISSION NRCC-PLB-E (Page 3 of 6) 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 cotel/motel occupancies, is made with the metal framing. met for compliance with Quality insulation, shall not be required to 0.3-A (see below) per 120.3: ge system ulation exposed to weather shall talled in a water proof and 1.5 to < 4 Multifamily & Hotel/Motel 4 2.0 in or R-16 umentation Software: Energy Code Ace Compliance ID: 92981-0323-0009 eport Generated: 2023-03-06 07:41:56 CEC-NRCC-ELC-E constructed nonresidential Additions and alterations pliance per §141.0(a) or	STATE OF CALIFORNIA         Domestic Water Heating System         CERTIFICATE OF COMPLIANCE         Project Name:       Image: Compliance with demonstrate compliance with demonstrate of the requirements in 160.4(e) 17.7(min)         This table is used to demonstrate compliance with demonstrated with requirements in 160.4(e) 17.7(min)       Image: Compliance with demonstrate of the requirements in 160.4(e) 17.7(min)         1       Yes       No       Applica         01       Image: Compliance with demonstrate of the requirements in 160.4(e) 17.7(min)       Image: Compliance with demonstrate of the requirements in 160.4(e) 17.7(min)         02       Image: Compliance with demonstrate of the requirements in 160.4(e) 17.7(min)       Image: Compliance with demonstrate of the requirements in 160.4(e) 17.7(min)         03       Image: Compliance with demonstrate of the requirements in 160.4(e) 17.7(min)       Image: Compliance with demonstrate of the requirements in 160.4(e) 17.7(min)         04       Image: Compliance with demonstrate of the requirements in 160.4(e) 17.7(min)       Image: Compliance with demonstrate of the requirements in 160.4(e) 17.7(min)         05       Image: Compliance with demonstrate of the requirements in 160.4(e) 17.7(min)       Image: Compliance with demonstrate of the requirements in 160.4(e) 17.7(min)         1       DECLARATION OF REQUIRED CERTIFICATES       Image: Compliance with requirements in 160.4(e) 17.7(min)         Image: Compliance with require	AMS PCs Water Heating         h control requirements in 110.3 for 0.2(d).         t         able         Construction documents requirements in 110.3 for 0.2(d).         t         able         Construction documents requirements in 110.3 for 0.2(d).         t         c         Construction documents requirements in 110.3 (c)         Plumbing Code 613.0.         Controls for circulating pumy \$110.3(c)2 unless systems ser additions.         For recirculation systems ser additions.         For recirculation systems ser additions.         E For recirculation systems ser additions.         Boiler combustion air positive shut • Boilers where one sta Boiler combustion air fans w • The fan motor shall in design air volume.         Newly installed boilers with input cap pressure • Boiler controlled with maintain excess (stack-gas) of volume shall be controlled with control linkage or jack shaft i         S OF INSTALLATION         sidential Compliance         sidential Compliance         O4         Utility Provided Metxreg System \$130, 5(10) (5(16), 6(a)]       System CA Ely Artic Exception \$130, 5(10) (5(16), 6(a)]	Report Version: rev 20220101         ig. T24-22       Report Page:         Date Prepared:         in all occupancies. For multifamily residential and hotel/motel occ         re all occupancies. For multifamily residential and hotel/motel occ         re all occupancies. For multifamily residential and hotel/motel occ         require manufacturer certification that service water-heating syste         be of adjusting temperature settings per 110.3(a).         7,000 BTUH equipped with outlet temperature controls per 110.3(a).         7,000 BTUH equipped with outlet temperature controls per 110.3(a).         rying individual dwelling units, design includes automatic pump of earing individual dwelling units, design includes automatic pump of earing individual dwelling units, design includes automatic pump of earing individual dwelling units, design includes automatic oper attack serves two or more boilers with a total combined input capa with motor >= 10 hg shall mee one of the following be driven by a variable speed drive OR include controls that limit the fan motor demand to <=30% of th n an input capacity (digte/)SMMBtu/h and a steady state full-loa oxygen concentrations <= 5% by volume on a dry basis over finit with respect for the following be driven by a variable speed drive OR include controls that limit the fan motor demand to <=30% of th n an input capacity (digte/)SMMBtu/h and a steady state full-loa oxygen concentration. Use tis prohibited.	Compliance ID: 92981 Report Generated: 2023-03-0 CALIFORNIA ENERGY CO CALIFORNIA ENERGY CO COUPLING CONDUCTION COUPLING CONTOLS AND CONTOLS CONTOLS CONTOLS AND CO
Domestic Water Heating System         CERTIFICATE OF COMPLIANCE         Project Name:	AMS PCs Water Heating -T24-22       Report Page:         Date Prepared:         M         sidential occupancies with distribution requirements in 120.3 and 140.5. For multifamily and h         AM         sidential occupancies with distribution requirements in Table 160.4-A (see b         framing members shall not be required to have pipe insulation the distance of the framing members says specified in the Reference Residential Appendix RA3.5.         In a minimum of 1 inch of wall insulation, 2 inches of cravispace insulation, or 4 inches of attic ential spaces, pipe insulation for the following applications is specified to comply with Table 12 (a)did util piping, including between storage tank and heat trap, for a nonrecirculating stora to cold outly piping, including between storage tank and heat trap, for a nonrecirculating stora is for domage, including that due to sunlight, moisture, equipment maintenance, and wind. Inside for outdoor service per 120.3(b) / 160.4(f) Pue insulation buried below grade must be inside for utdoor service per 120.3(b) / 160.4(f) Pue insulation buried below grade must be inside for utdoor service per 120.3(b) / 160.4(f) Pue insulation for the following application Reger Meridian Required in the Reference Reger Meridian Regime for the set of the se	CALIFORNIA ENERGY COMMISSION NRCC-PLB-E (Page 3 of 6) 2023-03-06T10:41:54-05:00 2023-03-06T10:41:54-05:00 cotel/motel occupancies, is made with the metal framing. met for compliance with Quality insulation, shall not be required to 0.3-A (see below) per 120.3: ge system ulation exposed to weather shall talled in a water proof and 1.5 to < 4 Multifamily & Hotel/Motel 4 2.0 in or R-16 umentation Software: Energy Code Ace Compliance ID: 92981-0323-0009 eport Generated: 2023-03-06 07:41:56 CEC-NRCC-ELC-E constructed nonresidential Additions and alterations pliance per §141.0(a) or		AMS PCs Water Heating  h control requirements in 110.3 for 0.2(d).  t able Construction documents req temperature controls capabl Systems with capacity > 167, Plumbing Code 613.0. Controls for circulating pumy \$110.3(c)2 unless systems ser additions. For recirculation systems ser additions. For recirculation air positive shut Boilers with input cap pressure Boilers where one sta Boiler combustion air fans w Boilers where one stall be control linkage or jack shaft i Sof INSTALLATION  Stems that are within the sco O4 Utility Provided Metering System Exception to \$130.5(a)/\$160.6(a) <sup>3</sup>	Report Version: rev 20220101         ing - T24-22       Report Page:         Date Prepared:	Compliance ID: 92981 Report Generated: 2023-03-04 CALIFORNIA ENERGY CO 2023-03-06T10 2023-06T10 2023-06T1 2020 2023-06T10 2023-06T10 2023-06T10 2023-

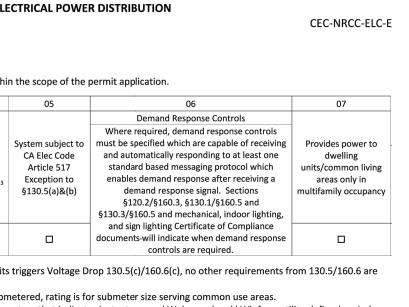


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Compliance ID: 92981-0323-0007

	CALIFORNIA ENERGY COMMISSION
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Heating - T24-22 Report Page:	(Page 4 of 6)
Date Prepared:	2023-03-06T10:41:54-05:00
0.3 for all occupancies. For multifamily residential and h	otel/motel occupancies, compliance is also
Requirement	
nts require manufacturer certification that service wate capable of adjusting temperature settings per 110.3(a).	
v > 167,000 BTUH equipped with outlet temperature cor	trols per 110.3(c)1 unless covered by California
g pumps or electrical heat trace systems are capable of tems serves healthcare facility.	automatically turning off the system per
ems serving multiple dwelling units, design includes auto	omatic pump controls per 170.2(d) or 180.1(b)3 for
ems serving individual dwelling units, design includes ma • 170.2(d).	anual on/off controls as specified in Reference
ve shut-off shall be provided per 160.4(3).on all newly ir put capacity >= 2.5 MMBtu/h, in which the boiler is desi	
one stack serves two or more boilers with a total combin	ned input capacity per stack of 2.5 MMBtu/h.
fans with motor >= 10 hp shall meet one of the followir shall be driven by a variable speed drive OR	ıg
shall include controls that limit the fan motor demand t me.	o <=30% of the total design wattage at 50% of the
s with an input capacity {d:gte/] 5MMBtu/h and a stead k-gas) oxygen concentrations <= 5% by volume on a dry olled with respect to firing rate or flue gas oxygen conce < shaft is prohibited.	basis over firing rates of 20-100%. Combustion air
Form/Title	
Generated Date/Time:	Documentation Software: Energy Code Ace
Report Version: 2022.0.000 Schema Version: rev 20220101	Compliance ID: 92981-0323-0009 Report Generated: 2023-03-06 07:41:56



January 2022

STATE OF CALIFORNIA						
Domestic Water Heating Syste	m			С	ALIFORNIA ENERGY	COMMISSION
CERTIFICATE OF COMPLIANCE						NRCC-PLB-E
This document is used to demonstrate com alterations, for domestic water heating scc 110.1, 110.3, 160.4 and 170.2(d), and with	pes using the prescriptive path. For h	high-rise residential and				
Project Name:	AMS PCs Water He	ating - T24-22 Report Pag	e:			(Page 1 of 6)
Project Address:		Date Prepa	red:		2023-03-06	Г10:41:54-05:00
A. GENERAL INFORMATION	1					
01 Project Location (city)	Palmdale	02	Climate Zone		14	
03 Occupancy Types Within Projec	t (select all that apply):					
Classroom						
B. PROJECT SCOPE						
This table includes domestic water heating 170.2(d) and 141.0(a)/ 180.1, or 141.0(b)2 hydronic water heating systems are docun	N / 180.2 for additions or alterations.	. Solar water heating sy				
01			02		03	
My project consists of (cl	neck all that apply):	Sys	tem Type <sup>1,2</sup>	S	stem Components	
New system (DHW system being insta constructed building)	lled for the first time in newly	Individual System (s	erving nonresidential spaces)	Equipment	Distribution	Controls
System Alteration (equipment, distrib	ution or controls)			Equipment	Distribution	Controls
<sup>1</sup> FOOTNOTES: Point of use water heaters, of <sup>2</sup> Dwelling units refers to hotel/motel gues <sup>3</sup> DHW systems serving 2 or more dwelling	t rooms and units in a multifamily res	idential occupancy.		systems.		
C. COMPLIANCE RESULTS						
Table C will indicate if the project data inpu Exceptional Conditions" refer to Table D. or		,	ating requirements. If this table	e says "DOES NOT	COMPLY" or "COM	PLIES with
01	02	0	3		04	
Domestic Hot Water Equipment	Distribution Systems	Cont	rols	<b>a</b> "	<b>D</b>	
Table F	Table G	Tab	e H	Complia	nce Results	
Yes	Yes	Ye	S	CON	1PLIES	
D. EXCEPTIONAL CONDITIONS						
This table is auto-filled with uneditable cor	nments because of selections made o	or data entered in table	throughout the form.			
Registration Number:		Generated Date/Tin	ie:	Docum	entation Software: Er	nergy Code Ace
CA Building Energy Efficiency Standards - 2022	Nonresidential Compliance	Report Version: 202 Schema Version: rev		Rep	Compliance ID: 92 ort Generated: 2023-	

NRCC-PLB- (Page 5 of 6 2023-03-06T10:41:54-05:0
Documentation Software: Energy Code Ace
Compliance ID: 92981-0323-0009
Report Generated: 2023-03-06 07:41:56

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January 2022

## C. COMPLIANCE RESULTS

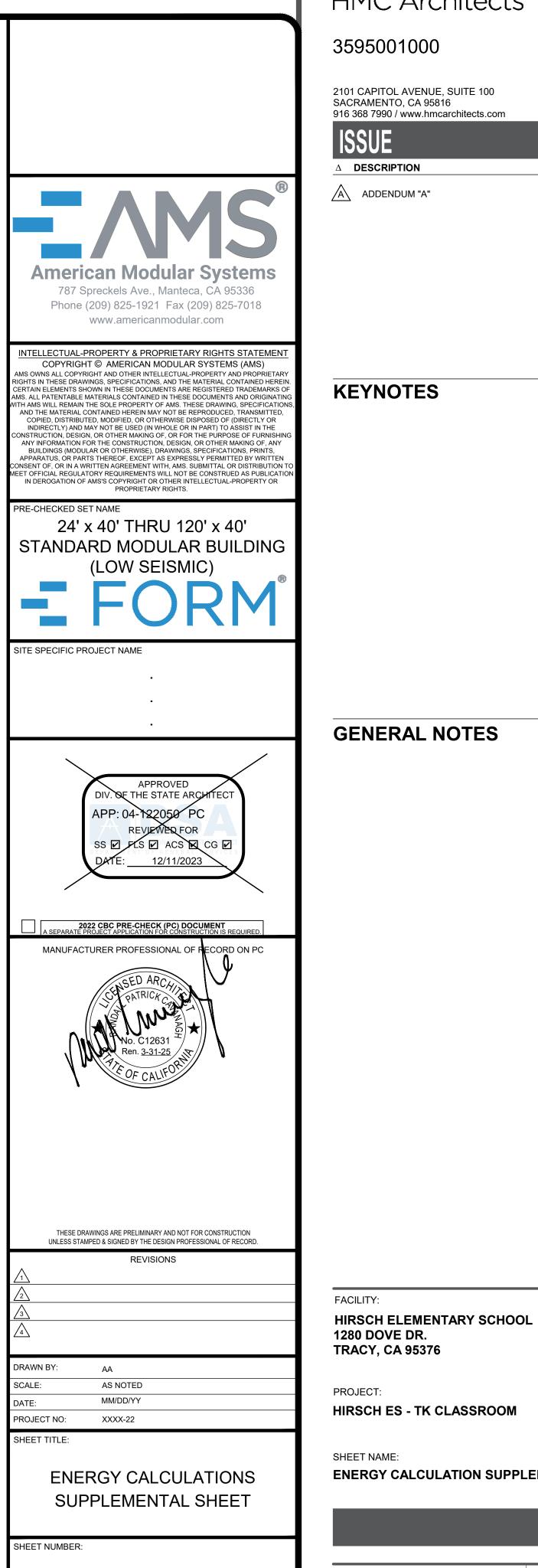
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

#### Results in this table are automatically calculated from data input and calculations in Tables F through J. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see the applicable Table referenced below.

01		02		03		04		05	06
Service Electrical Metering §130.5(a)/ §160.6(a)	AND	Separation for Monitoring §130.5(b)/ §160.6(b)	AND	Voltage Drop §130.5(c)/ §160.6(c)	AND	Controlled Receptacles §130.5(d)/ §160.6(d)	AND	Electric Ready §160.9	Compliance Results
(See Table F)		(See Table G)		(See Table H)		(See Table I)		(See Table J)	
Yes/No	AND	Yes/No	AND	Yes/No	AND	Yes/No	AND	Yes/No	COMPLIES, DOES NOT COMPLY, C COMPLIES with Exceptional Conditions

F. SERVICE ELECTRICAL METERING This table multifam Submete -----Elec Designa

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance



	E OF COMPLIANCE								NRCC-PLE
Project Nar	ne:			AMS PCs Wat	er Heating - T24-2				(Page 2 of
						Date Prepared:		20	23-03-06T10:41:54-05:
	ONAL REMARKS								
	includes remarks made	e by the per	rmit applicant	to the Authority	Having Jurisdicti	ion.			
. DOMES	TIC HOT WATER EQ	UIPMENT							
	is used to demonstrate strated and with 141.0					110.1 and 110.3.	Compliance with presc	riptive requirements in 140.5(c)	/ 170.2(d) must also
	t Schedule: Water Hea	· ·	ncy and Stan		•				
	03		04		0	)5		06	
System Name	EWH-1		to 140.5(c)/ 0.2(d)3	Exceptions Do Not Apply		Gas Service Water Heating System >= 1MMBtu/h <sup>1</sup>	Capacity-weighted Average Efficiency %		
07	08	09		10	11	12	13	14	15
Name or Item Tag	Equipment Type	Volume (gal)	Rated Input Capacity (Btu/h)	Max GPM/ First Hour Rating (FHR)	Rated Efficiency	Minimum Efficiency Required	Efficiency Unit	Designed Standby Loss	Maximum Standb Loss
EWH-1	Commercial Electric Storage Water Heater	20	6,824					1.25	1.65
FOOTNOT	E: In systems >= 1MM	Btu/h with	multiple units	, gas water heate	ers with input ca	pacity > 100,000	Btu/h may meet 90% E	it requirements via an input cap	acity-weighted
-	ting Equipment All Oc	cupancies							
	Yes	No	Not Applicable				Requirement		
18	$\boxtimes$			Unfired storage	tank insulation s	hall have Interna	l + External >=R-16 OR	External >=R-3.5. Label required	d per 110.3(c)3
19				New state buildi	ngs 60% of ener	gy for service wa	ter heating from site so	lar energy or recovered energy	per 110.3(c)5
20				Isolation valves f	or instantaneou	s water heater w	ith input rating >6.8 kB	TUH or 2 kW has been specified	d per 110.3(c)6
21							install a heat pump wa ay be an instantaneous	ater heating system per 140.5(a electric water heater.	1. Water heating
Registratio	n Number:				Genera	ated Date/Time:		Documentation So	ftware: Energy Code Ad
CA Buildin	g Energy Efficiency Stand	ards - 2027 I	Nonresidential	Compliance	Report	Version: 2022.0.0	00	Complian	nce ID: 92981-0323-000
-	n Number: g Energy Efficiency Stand	ards - 2022 I	Nonresidential	Compliance	Report	ated Date/Time: : Version: 2022.0.00 a Version: rev 2022			ice ID: 9298

CERTIFICATE OF COMPLIANCE		NRCC-PLB-
Project Name: AMS PCs	Water Heating - T24-22 Report Page:	(Page 6 of
Project Address:	Date Prepared:	2023-03-06T10:41:54-05:0
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT		
I certify that this Certificate of Compliance documentation is a	ccurate and complete.	
Documentation Author Name: Hans Marsman	Documentation Author Signature:	Digitally signed by Hans Marsman,
Company: Marsman Consulting	Signature Date:	LEED AP, CEA
Address: 1150 J Street #409	CEA/ HERS Certification Identification (if applicable):	Date: 2023.03.06 Hans Marsman 09:51:00-06'00'
City/State/Zip: San Diego, CA 92101	Phone: (619) 573-6374	R19-20-30039 NR19-09-30012 U9:51:00-06:00
<ol> <li>The energy features and performance specifications, materials, components of Title 24, Part 1 and Part 6 of the California Code of Regulations.</li> <li>The building design features or system design features identified on this Cer plans and specifications submitted to the enforcement agency for approval live inspections. I understand that a completed signed copy of this Certificate of</li> </ol>	ect. tr responsibility for the building design or system design identified on this Certific s, and manufactured devices for the building design or system design identified of tifficate of Compliance are consistent with the information provided on other ap with this building permit application. shall be made available with the building permit(s) issued for the building, and n f Compliance is required to be included with the documentation the builder prov	on this Certificate of Compliance conform to the requirement plicable compliance documents, worksheets, calculations, nade available to the enforcement agency for all applicable
Responsible Designer Name:	Responsible Designer Signature:	
	Date Signed: 03/04/2023	
Company:         American Modular Systems   Gen7 Schools           Address:         787 Spreckels Avenue	License: C12631	
City/State/Zip: Manteca, CA 95336	Phone: 209.825.1921	

egistration Number:	Generated Date/Time:	Documentation Software: Energy Code Ace
A Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Report Version: 2022.0.000 Schema Version: rev 20220101	Compliance ID: 92981-0323-0009 Report Generated: 2023-03-06 07:41:56
	<b>TRICAL POWER DISTRIBUTION</b>	CEC-NRCC-ELC-E
E. ADDITIONAL REMARKS		
	ority Having Jurisdiction.	

January 2022

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01	02	F	. SERVICE ELECTR	ICAL METERING 03		04	0	5
		Require	Required Metering Capabilities per Table 130.5-A				Field In:	spect
Electrical Service Designation/ Description	Rating <sup>1</sup> (kVA)	Instantaneous Demand (kW)	Historical Peak Demand (kW)	Tracking kWh for user-defined period	kWh per rate period	Requirements in Construction Documents	Pass	

EN.75

DATE: 04/03/24

SHEET:



CLIENT PROJ NO: 3595001000

ENERGY CALCULATION SUPPLEMENTAL SHEET

TRACY HMC Architects



DATE

				STRIBUTION		CEC-NRCC-ELC-E			ELECTRIC	AL POWER DISTRIBUTIO	)N	CEC
This §130 syste	s table includes entir 30.5(b)/§160.6(b). An	CTRICAL CIRCUITS FOR ENERGY MC rely new or complete replacement e ny load types that are not included i power to dwelling units do not need t ed to be shown	electrical power distribu in the service do not ne	ed to be shown. For mult	tifamily occupancies, si	ubmetered	feeders and branch circui compliance per §141.0(b)	iits to demonstrate b)2Piii/§180.2(b) 4B	compliance with §130. viic.	Il power distribution systems 5(c)/§160.6(c). For alteratior	ns, only the altered ci	ircuits must demo
		lectrical Service Designation/ Descriptic 02 Minimum Required Separation of Lo	03	04 Location of Requirements in	05 Field Insp		01 Electrical Service	02 Combined Voltage D	Prop on Installed	03 Location of Voltage	indicate where the exe 04 et Number for Voltage	cception applies ir 0 Field In
	130.5-B <sup>1</sup>	per Table 130.5-B	Method <sup>2</sup>	Construction Documents	Pass	Fail	Description	Metho	nductors Compliance od Permitted by CA Elec Code (Exception to §130.5(c))*	Drop Calculations <sup>1</sup> D	Drop Calculations in Instruction Documents	Pass
<sup>1</sup> FO0 <sup>2</sup> Me	DOTNOTES: For each Iethod 1: Switchboar	elected under Compliance Method a separate load type, up to 10% of th rds/ motor control centers/ panelbo ds/ motor control centers/ panelbo	ne connected load may bard loads disaggregate	be of any type. d for each load type.					ay be attached to the p	ا ermit application outside the vill be the responsibility of th		
	Building Energy Efficie						CA building energy enicien	ncy Standards - 202	22 Nonresidential Comj			
	Building Energy Efficie	515					CA building Energy Enicien	ncy Standards - 202			AL	
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Gas/	S/ Propane Clothes D Yes Conc locat cond switt cond switt cond for d	Dryers In Common Areas ductors or raceway shall be installed wi tion no more than 3 feet from each gas ductors or raceway shall be labelled "Fu chboards, and busbars shall be sized to ductors serving the building connect to demand factors in accordance with the	Requi ith termination points at t soutlet or a designated lo uture 240V Use." The conto uneet the future electric the utility distribution sys California Electric Code. C	irement the main electrical panel, via cation of future electric rep ductors or raceway and any power requirements, at the stem, as specified below. Th	ia subpanels panels if apj placement equipment. Bo y intervening subpanels, e service voltage to the p he capacity requirements	plicable, to a oth ends of the panelboards, point at which the s may be adjusted	CALIFORNIA ENER DOCUMENTATION AUTH 1. I certify that this C Documentation Author Nam Documentation Author Com Address: 787 SPR City/State/Zin:	HOR'S DECLARATIO Certificate of Comp ne: JOSE AREV.	ELECTRICA ON STATEMENT oliance documentation ALO	is accurate and complete. Documentation Author MS Date Signed:	or Signature: Jose M Ar 06/30/23 htification (If applicable):	
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I understand ti provided so the Company American Module Address: 787 Spreckels Ave City/State/Zip: Manteca, Ca S For a	HOR'S DECLARATIO Certificate of Comp ne: JOSE AREV. npany Na me: AMERICA RECKELS AVE TECA, CA DECLARATION STA wing under penalty ion provided on this under Division 3 of this certificate of C eatures and perform in identified on this ful- this Certificate of C eatures and perform in identified on this ful- this Certificate of C eatures and perform in identified on this ful- that a registered co made available to the ent. that a registered co made available to the setting owner a andall Cavanagh lar systems enue 95363 assistance or quest fill a systems enue 95363 assistance or quest code section ful- the coust of the State A Source of the Stat	ELECTRICA IN STATEMENT bliance documentation ALO N MODULAR SYSTER ATEMENT of perjury, under the lass s Certificate of Complian the Business and Profeston ompliance (responsible nance specifications, m Certificate of Complian system design featuress mpliance documents, w iding permit application oppy of this Certificate of the enforcement agence opp of this Certificate of t occupancy, and I will ions regarding the Ener 22 Nonresidential Comp state and a systems architect 1 s to the 2022 Energy/CALG states (AMS) shall conformant o inform, illustrate, and dem below: Building Code (CGC) – (Pr CL – Construction Wasted of waste management can be desting the Ener CL – Construction Wasted of the section by the following responsible for the organization intervention the bin(s) whereas need into the bin(s) whereas need into the bin(s) whereas need into a bin(s) whereas need into the bin(s) wher	is accurate and complete. Documentation Author Date Signed: CEA Certification Iden Phone: 209–82 aws of the State of California ince is true and correct. ssions Code to accept respon- e designer). aterials, components, and m ce conform to the requirement identified on this Certificate- vorksheets, calculations, plan n. f Compliance shall be made a y for all applicable inspection f Compliance is required to b take the necessary steps to a Responsible Designer Signature Date Signed: 6-28-23 Uicense: C12631 Phone: (209)825-1921 rgy Standards, contact the Er- pliance recen Code DSA Plan Review, 2022 their on-site construction practices ad in the Part 11, Title 24 Californi ionstrate that AMS and its building art 11, Title 24, CCR) angement recycled with a minimum of 65% porting. ompany or a diversion facility. sprocedure & practice: ation and management of construct their on-Site construction practices a minimum of licenser of construct recycled with a minimum of 65% porting. ompany or a diversion facility. sprocedure & practice: ato the Master management of construct the of each bin & pricing of rental thes of each bin & pricing of rental	or Signature: Jose M An 06/30/23 httification (If applicable): 25-1921 a: hsibility for the buildin hanufactured devices : ents of Title 24, Part 1 of Compliance are co as and specifications s available with the buil ns, and I will take the be included with the d accomplish these requi- tions are included with the d accomplish these requi- mergy Hotline at: 1-80 C CEC - AMS PC Submi is Green Building Code (C gs comply with the requi- ia Green Building Code (C gs comply to the following of nonhazardous constru- is sto comply with the requi- is sto comply to the following ogram specifics to CALGR % of nonhazardous constru- of contractoric types of co- a description of the bin(s) I usage. Expendent of the bin(s) I usage.	revale design or system for the building of 1 and Part 6 of the possistent with the submitted to the idding permit(s) iss enecessary steps of documentation the uirements documentation the uirements documentation the site including pop-772-3300
CA Bu CER Elec Select CA Bu CA Bu CA Bu	S/ Propane Clothes D   Yes   Cond   Ves   Cond   locat   cond   switt	Cryers In Common Areas  Cuctors or raceway shall be installed wittion no more than 3 feet from each gas ductors or raceway shall be labelled "Fi- choboards, and busbars shall be iszed to ductors serving the building connect to demand factors in accordance with the nbing Code. Capacity shall be one of thi- buing Code. Capacity shall be one of the adve to required to provide 2.6 kVA for each 10,000 Btu per hour of The electrical power required to provide ancluded in Table E. Additional Rema e.  Cucre – User INSTRUCTIONS bution  adve based on information provided included in Table E. Additional Rema e.  PLIANCE – USER INSTRUCTIONS bution  adve based on information provided included in Table E. Additional Rema ation Statements orperared the NRCC will sign and co premation (if applicable), date and sig is assuming responsibility for the p licable), address, phone number, lic	Requi ith termination points at it so utlet or a designated lo uture 240V Use." The com- o meet the future electric the utility distribution sys California Electric Code. O e following: Iryer; of rated gas input or gas pi de equivalent functionality ATION I in this document. If an arks. These documents in Form/Title iial Compliance	irement the main electrical panel, via cation of future electric rep ductors or raceway and any power requirements, at the stem, as specified below. Th Sas flow rates shall be deter ipe capacity; or y of the gas-powered equipu y selections have been ch must be provided to the b requirements.	ia subpanels panels if app placement equipment. Bu y intervening subpanels, e service voltage to the p he capacity requirements rmined in accordance wi oment as calculated by the hanged by the permit a building inspector duri	plicable, to a oth ends of the panelboards, point at which the s may be adjusted ith the California ne responsible	COMPARENT AND A COMPANY A	HOR'S DECLARATIO Certificate of Comp ne: JOSE AREV. npany Na me: AMERICA RECKELS AVE TECA, CA DECLARATION STA wing under penalty ion provided on this under Division 3 of 1 this Certificate of C eatures and perform n identified on this lations. design features or s other applicable cor proval with this buil that a registered cc made available to t ent. that a registered cc made available to t ent. 95363 assistance or quest andall Cavanagh lar systems enue 95363 assistance or quest fif the constru- review standards - 202 Division of the State A 5100 Q street Sacramento, CA 9581 This letter is in regards April 30, 2023 DSA Division of the State A 5100 Q street Sacramento, CA 9581 This letter is in regards American Moduars emained of the constru- review revice and Sacramento, CA 9581 This letter is in regards American State of the State A 5100 Q street Sacramento, CA 9581 This letter is in regards American State of the State A 5100 Q street Sacramento, CA 9581 This letter is in regards American State of the State A 5100 Q street Sacramento, CA 9581 This letter is in regards American State of the State A 5100 Q street Sacramento, CA 9581 This letter is in regards American State of the State A 5100 Q street Sacramento, CA 9581 This letter is in regards American State of the State A 5100 Q street Sacramento, CA 9581 This letter is in regards American State of the State A 5100 Q street Sacramento, CA 9581 This letter is in regards American State of the State A 5100 Q street Sacramento, CA 9581 C AMS shall or the City of M thired waste m 31 AMS shall state Streat Metal, 32 AMS shall state 33 Aming the and 34 Aming the and 35 Am State of the State A 32 Am State of the State A 33 Aming the and 34 Aming the and 35 Am State of the State A 34 Aming the and 35 Am State of the State A 35 Am State of the State A 36 Aming the and 37 Am State of the State A 38 Aming the and 38 Am	ELECTRICA IN STATEMENT bliance documentation ALO N MODULAR SYSTER ATEMENT of perjury, under the lass s Certificate of Complian the Business and Profess ompliance (responsible nance specifications, m Certificate of Complian system design featuress mpliance documents, w ilding permit applicatio oppy of this Certificate of the enforcement agence opp of this Certificate of the cocupancy, and I will ions regarding the Energy 22 Nonresidential Comp at occupancy, and I will ions regarding the Energy American Modular Systems architect 1 s to the 2022 Energy/CALG states (AMS) shalls conformant age for waste to management tak the dom state management can be don't in the system of the systems architect 1 s to the 2022 Energy/CALG the system of the systems and the system of the system of the system of the system and the system	is accurate and complete. Documentation Author Date Signed: CEA Certification Iden Phone: 209-82 aws of the State of California ance is true and correct. ssions Code to accept respon- e designer). aterials, components, and m ce conform to the requirement identified on this Certificate- rorksheets, calculations, plan n. f Compliance shall be made a y for all applicable inspection f Compliance is required to be take the necessary steps to a Responsible Designer Signature Date Signed: 6-28-23 License: C12631 Phonez (209)825-1921 rgy Standards, contact the Er- pliance recycled with a minimum of 65% porting. ompany or a diversion facility. responsible for sorting each bin w management company provides a hts of each bin & pricing of rental d show these procedures for any pr	or Signature: Jose M An 06/30/23 httification (If applicable): 25-1921 a: hsibility for the buildin hanufactured devices: ents of Title 24, Part 1 of Compliance are co and specifications s available with the buil ns, and I will take the be included with the d accomplish these requires available with the second accomplish these requires accomplish the second accomplish the second accomplish the second accomply to the following accomply to the following accomply to the following accompany. accompany account of the bin(s) a description of the bin(s) a description of the bin(s) a usage. 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### ECTRICAL POWER DISTRIBUTION CEC-NRCC-ELC-E

### electrical power distribution systems, or alterations that add, modify or replace both vith §130.5(c)/§160.6(c). For alterations, only the altered circuits must demonstrate

	03	04		05
d	Location of Voltage	Sheet Number for Voltage	Field	I Inspector
liance	Drop Calculations <sup>1</sup>	Drop Calculations in Construction Documents	Pass	Fail
CA Elec in to				

January 2022

CEC-NRCC-ELC-E

January 2022

### ELECTRICAL POWER DISTRIBUTION I. CIRCUIT CONTROLS FOR 120-VOLT RECEPTACLES AND CONTROLLED RECEPTACLES

#### This table includes entirely new or complete replacement electrical power distribution systems to demonstrate compliance with \$130.5(d)/\$160.6(d). Both controlled and uncontrolled receptacles must be provided in office areas, lobbies, conference rooms, kitchen areas in office spaces, copy rooms and hotel/motel guest rooms.

	01	02	03	04	05	06	0	7	
Room Name or		Location/ Type of Controlled	Shut-Off	Demand Responsive	Permanent Durable	Location of Requirements in	Field Inspector		
	Description	Receptacles <sup>1</sup>	Controls	Controls	Marking Will be Used Construction	Construction Documents	Pass	Fail	
	<sup>1</sup> FOOTNOTES: Recep clocks, network copie	itacles dedicated to refri ers, fax machines, A/V a IS that are intended to b	igerators and wand wa	ater dispensers in ent other than pe	kitchens, located a mir rsonal computers in co	been achieved in the space provide the floor of the space provident of the floor of the floor of the space of	specifica e than 20	lly for Amps,	
	J. ELECTRIC READY B	UILDINGS							

#### This table includes electrical system requirements that must be met when using gas or propane heating, cooking or clothes drying in multifamily occupancies to demonstrate compliance with §160.9. Systems serving multifamily 🛛 Furnaces serving 🖓 Cooktops serving 🖓 Clothes dryers □ Clothes dryers in □ None of 01 occupancy that use gas or propane individual dwelling individual dwelling serving individual common areas these include: units units dwelling units

# 03 🗆 Gas/ Propane Cooktops Serving Individual Dwelling Units Yes 05 🗆 Gas/ Propane Clothes Dryers Serving Individual Dwelling Units Yes 07

CALIFORNIA ENERGY COMMISSION

Gas/ Propane Furnaces Serving Individual Dwelling Units (Heat Pump Space Heater Ready)

be installed in accordance with the California Electrical Code.

be installed in accordance with the California Electrical Code.

CEC-NRCC-ELC-E

January 2022

January 2022

ELECTRICAL POWER DISTRIBUTION

Requirement

Requirement

pump space heater installation. The reserved space shall be permanently marked as "For Future 240V use".

electric cooktop installation. The reserved space shall be permanently marked as "For Future 240V use".

electric clothes dryer installation. The reserved space shall be permanently marked as "For Future 240V use".

components shall be installed in accordance with the California Electrical Code.

# CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

#### CERTIFICATE OF COMPLIANCE – USER INSTRUCTIONS **Electrical Power Distribution** G. Separation of Electrical Circuits for Energy Monitoring 1. Load Type per Table 130.5-B: Select from dropdown. 2. This field is filled out automatically. 3. Compliance Method: Select from dropdown. 4. Enter the Location of Requirements in the Construction Documents. 5. This is a Pass or Fail checkbox for the field inspector. H. Voltage Drop 1. This field is filled out automatically. 2. Select the Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method. 3. Location of Voltage Drop Calculation: Select from dropdown. 4. Enter the Sheet Number for Voltage Drop Calculation in Construction Documents. 5. This is a Pass or Fail checkbox for the field inspector. I. Circuit Controls for 120-Volt Receptacles and Controlled Receptacles 1. Enter the Room Name or Description. 2. Location/Type of Controlled Receptacles: Select from dropdown. 3. Shut-Off Controls: Select from dropdown. 4. Demand Responsive Controls: Select from dropdown. 5. Check if a Permanent Durable Marking Will be Used. 6. Enter the Location of Requirements in the Construction Documents. 7. This is a Pass or Fail checkbox for the field inspector. J. Electric Ready Buildings 1. Select the applicable systems serving multifamily occupancy that use gas or propane. 2-8. Check Yes to verify your project meets the requirements. K. Declaration of Required Certificates of Installation applicant, an explanation should be included in Table E. Additional Remarks.

L. Declaration of Required Certificates of Acceptance

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

#### CERTIFICATE OF COMPLIANCE – USER INSTRUCTIONS NRCC-ELC-E **Electrical Power Distribution** (Page 1 of 3)

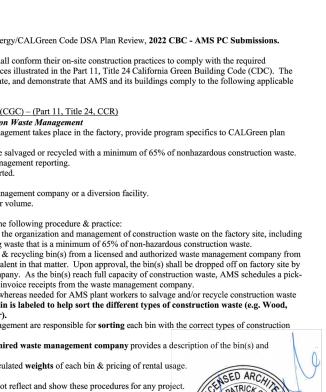
#### A. General Information 1. Enter the City the project is located in. 2. Climate Zone: Select from dropdown.

3. Select the applicable Occupancy Types within the Project. B. Project Scope

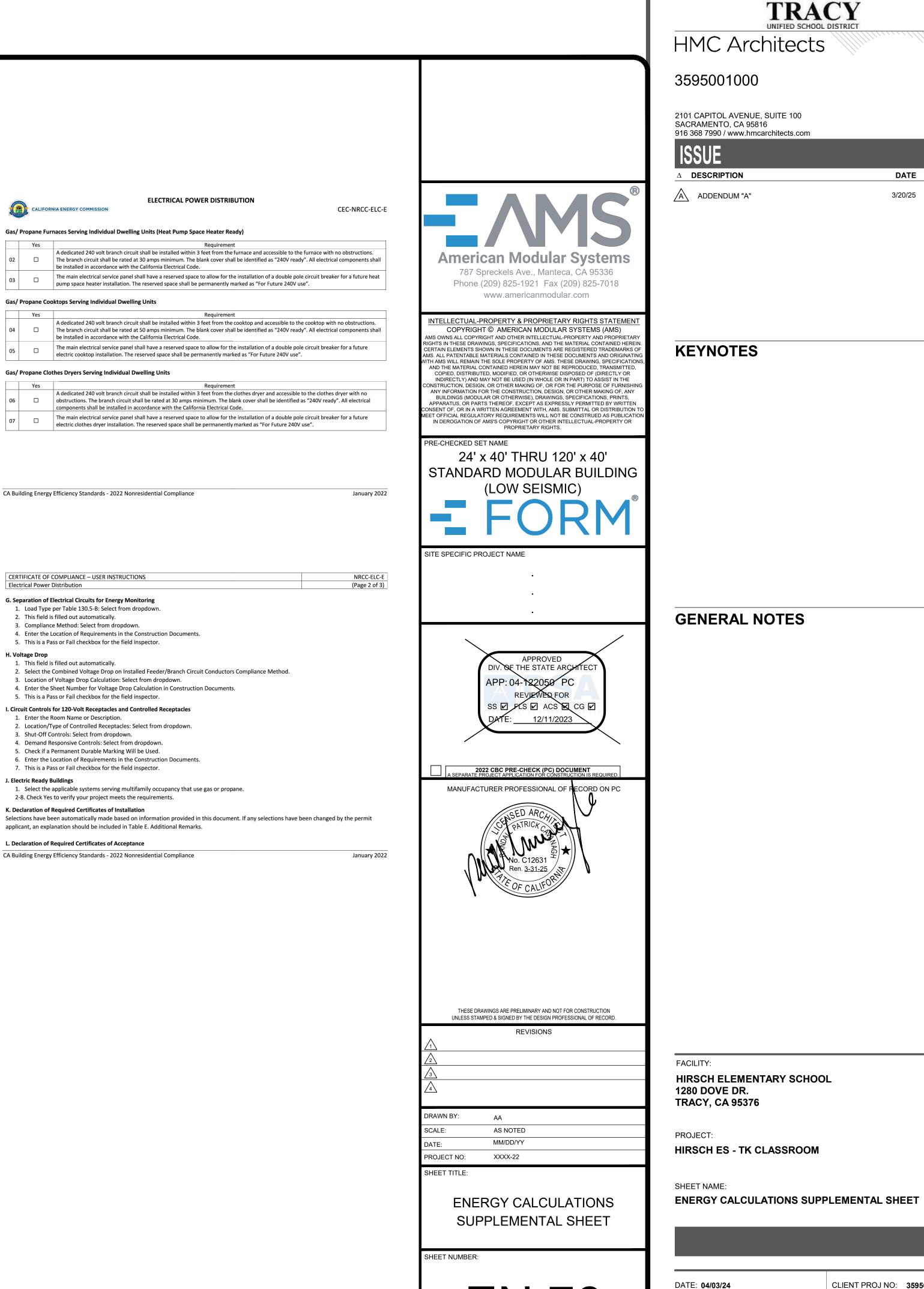
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

- 1. Enter the Electrical Service Designation/Description. 2. Scope of Work: Select from dropdown.
- 3. Enter the kVA Rating. 4. Check if the Utility Provided Metering System meets Exception to §130.5(a)/§160.6(a)3.
- 5. Check if the System is subject to CA Elec Code Article 517 Exception to §130.5(a)&(b). 6. Demand Response Controls static text. 7. Check if power is provided to dwelling units/common living areas only in a multifamily occupancy.
- C. Compliance Results 1. Results in this table are automatically calculated from data input and calculations in Tables F through J.
- D. Exceptional Conditions 1. This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.
- E. Additional Remarks
- 1. Enter any notes or comments for the AHJ. F. Service Electrical Metering
- 1. This field is filled out automatically. 2. This field is filled out automatically.
- 3. Instantaneous Demand checkbox is always checked. Historical Peak Demand checkbox is checked automatically.
- Tracking kWh for user-defined period checkbox is always checked. kWh per rate period is checked automatically.
- 4. Enter the Location of Requirements in Construction Documents. 5. This is a Pass or Fail checkbox for the field inspector.
- CA Building Energy Efficiency Standards 2022 Nonresidential Compliance









PLEASE RECYCLE ଔଁ

SHEET:

EN.76



CLIENT PROJ NO: 3595001000

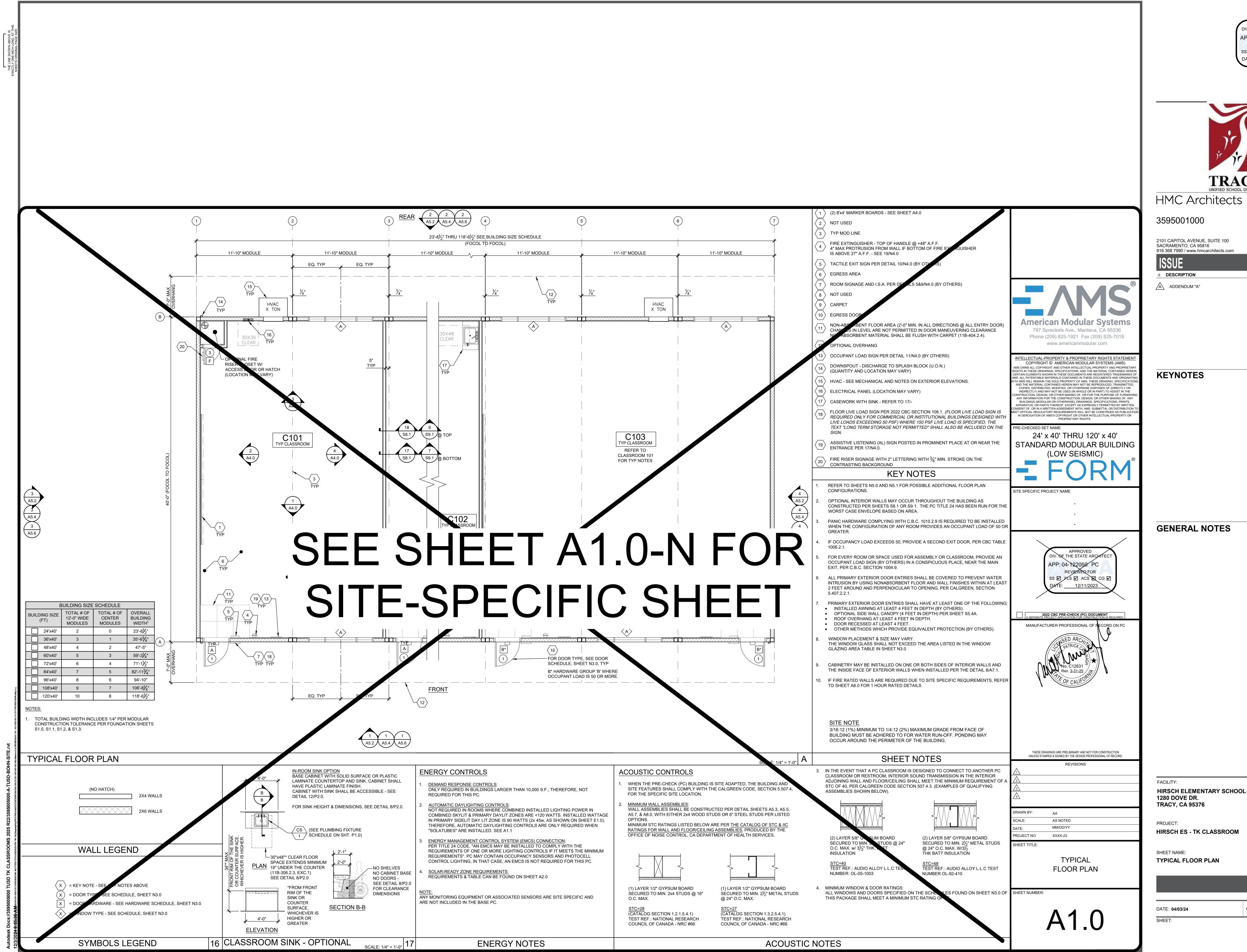
TRACY HMC Architects

DATE

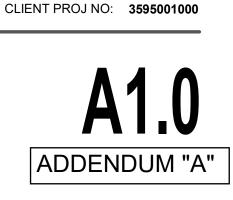
3/20/25



DATE:



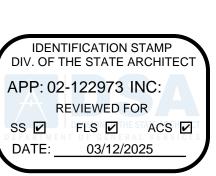
PLEASE RECYCLE



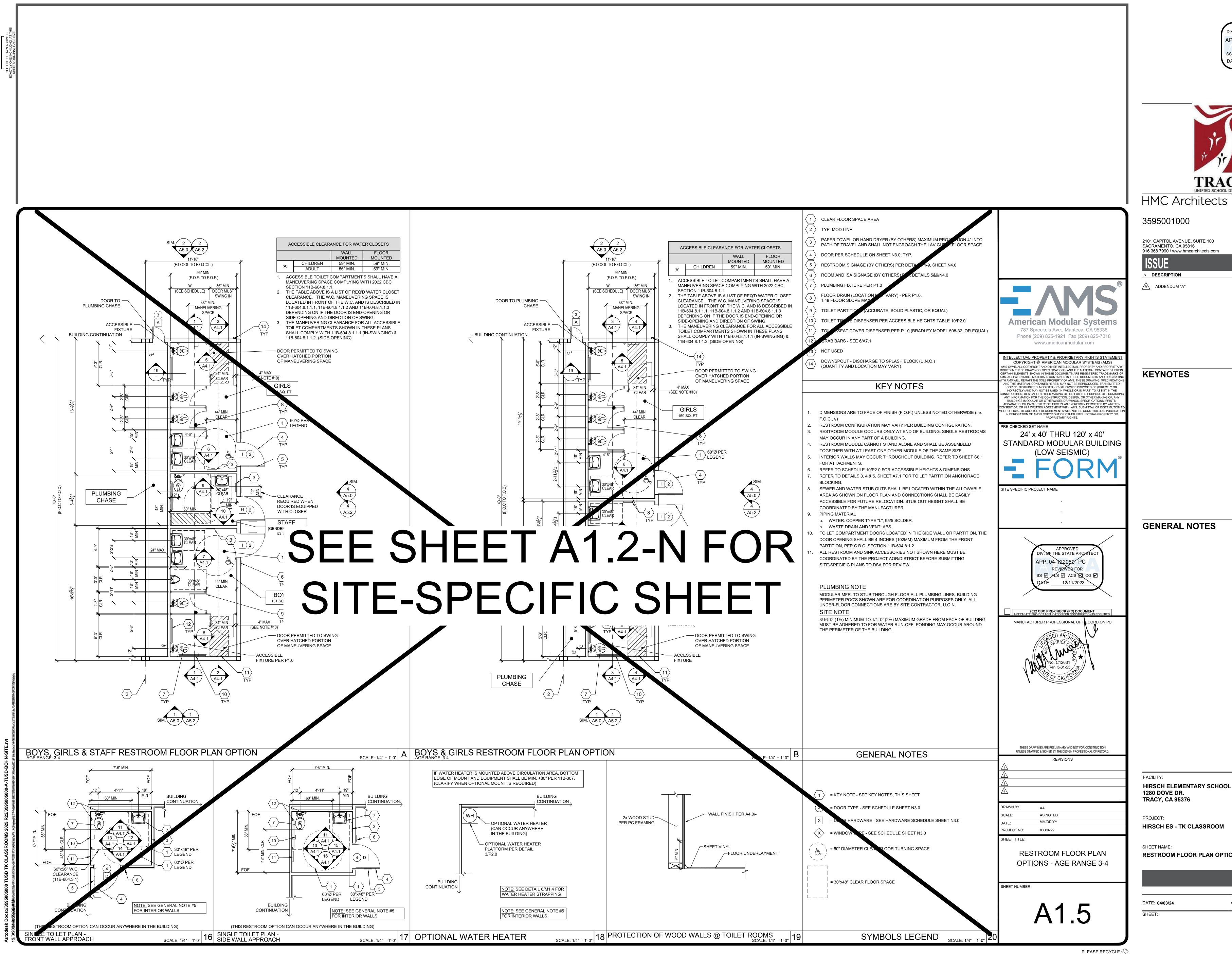
HIRSCH ES - TK CLASSROOM

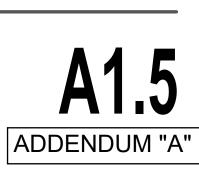
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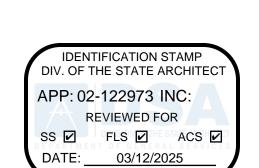


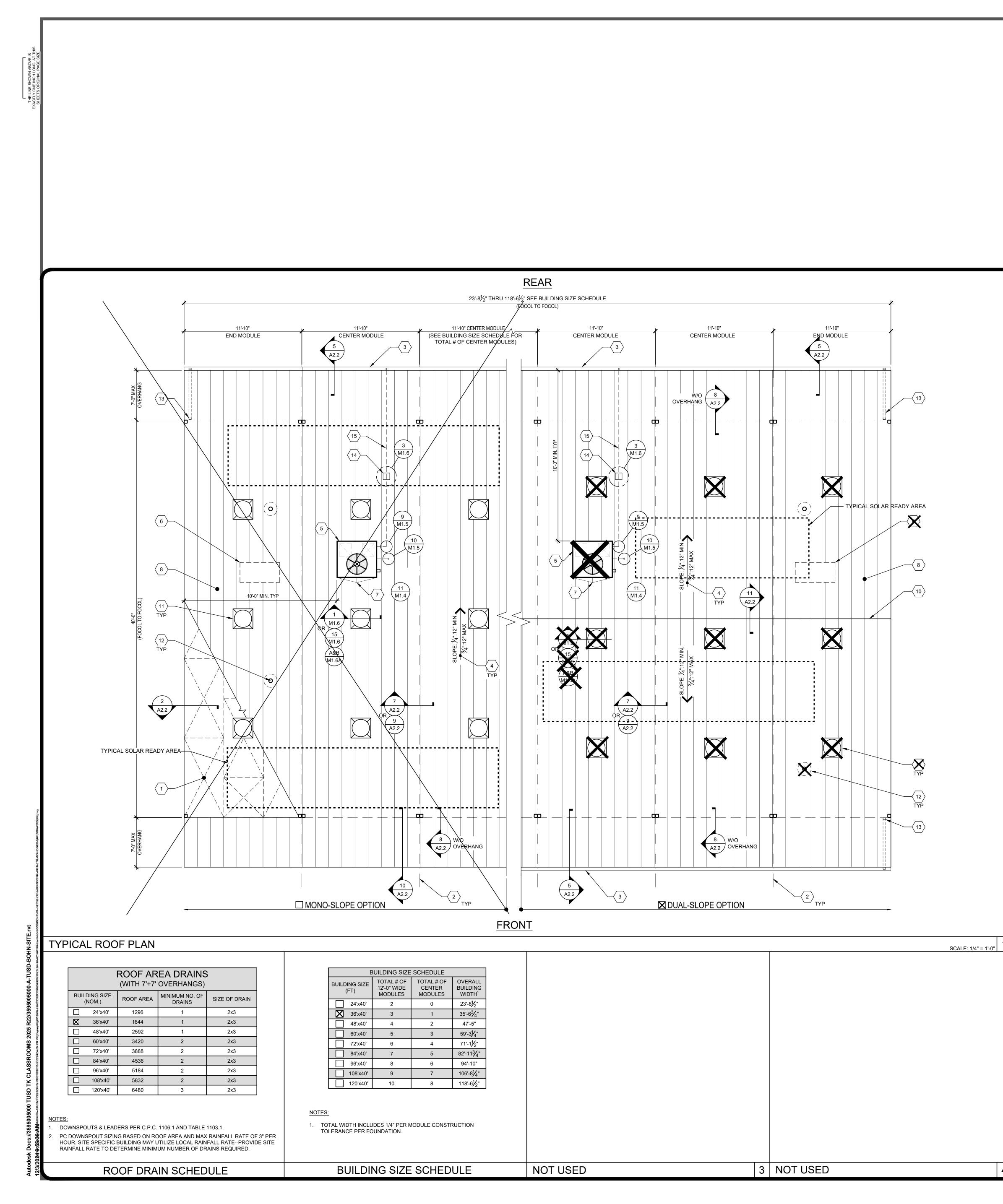
**RESTROOM FLOOR PLAN OPTIONS - AGE RANGE 3-4** CLIENT PROJ NO: 359500100

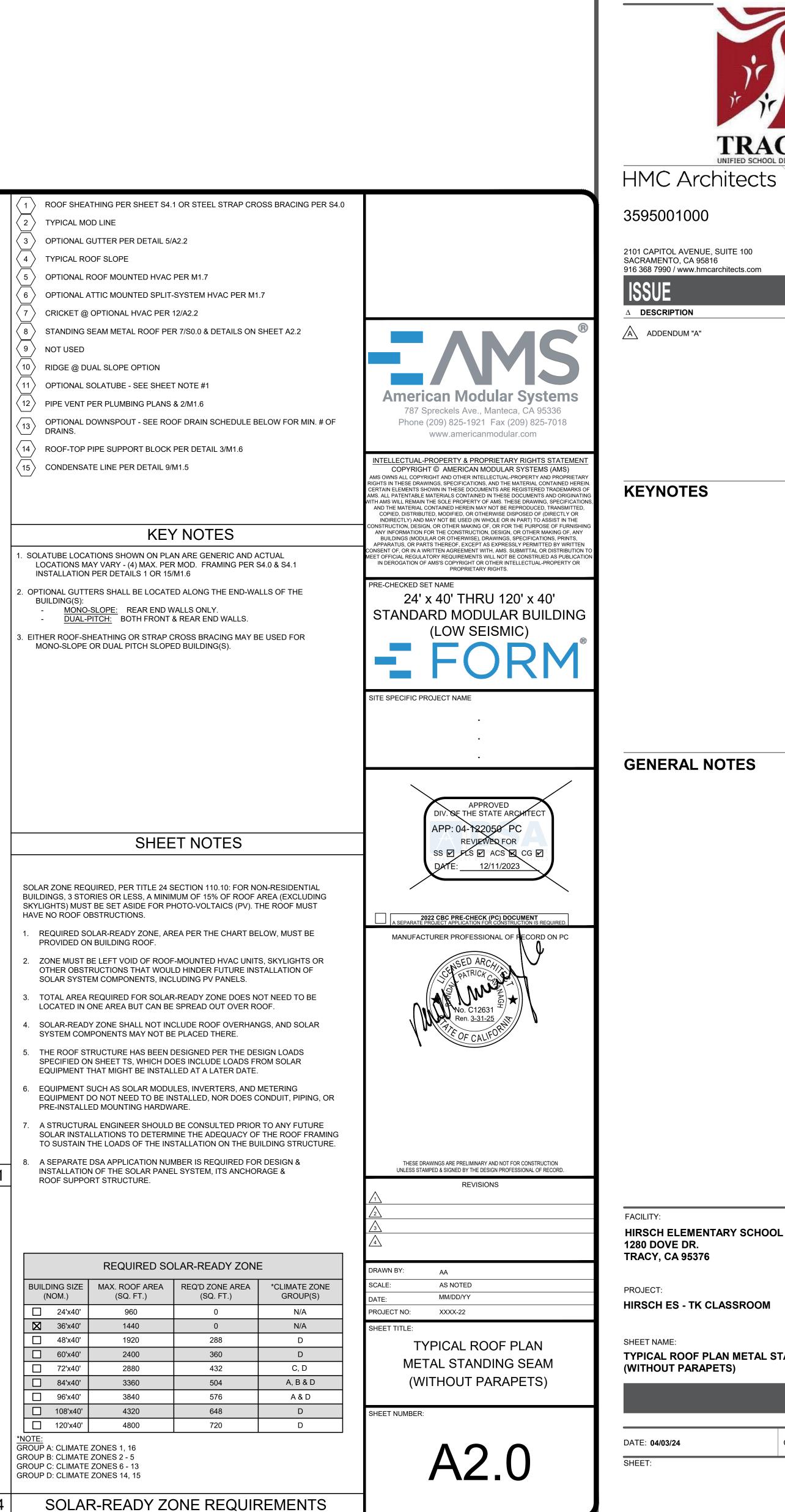
3/20/25

DATE

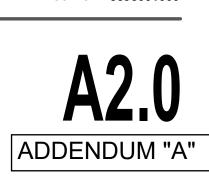
TRACY HMC Architects







4



CLIENT PROJ NO: 3595001000

TYPICAL ROOF PLAN METAL STANDING SEAM

HIRSCH ES - TK CLASSROOM

TRACY

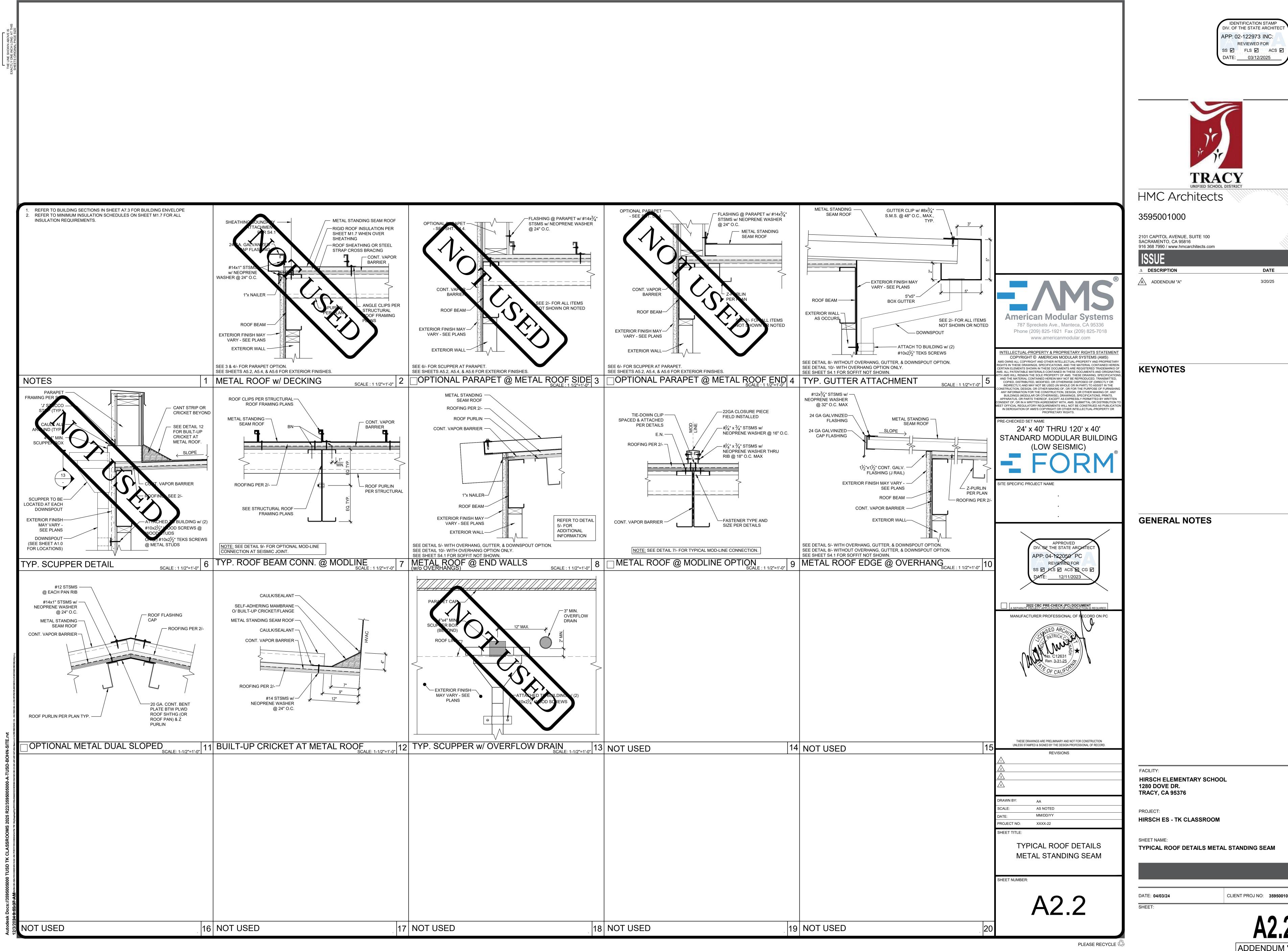
3/20/25

DATE

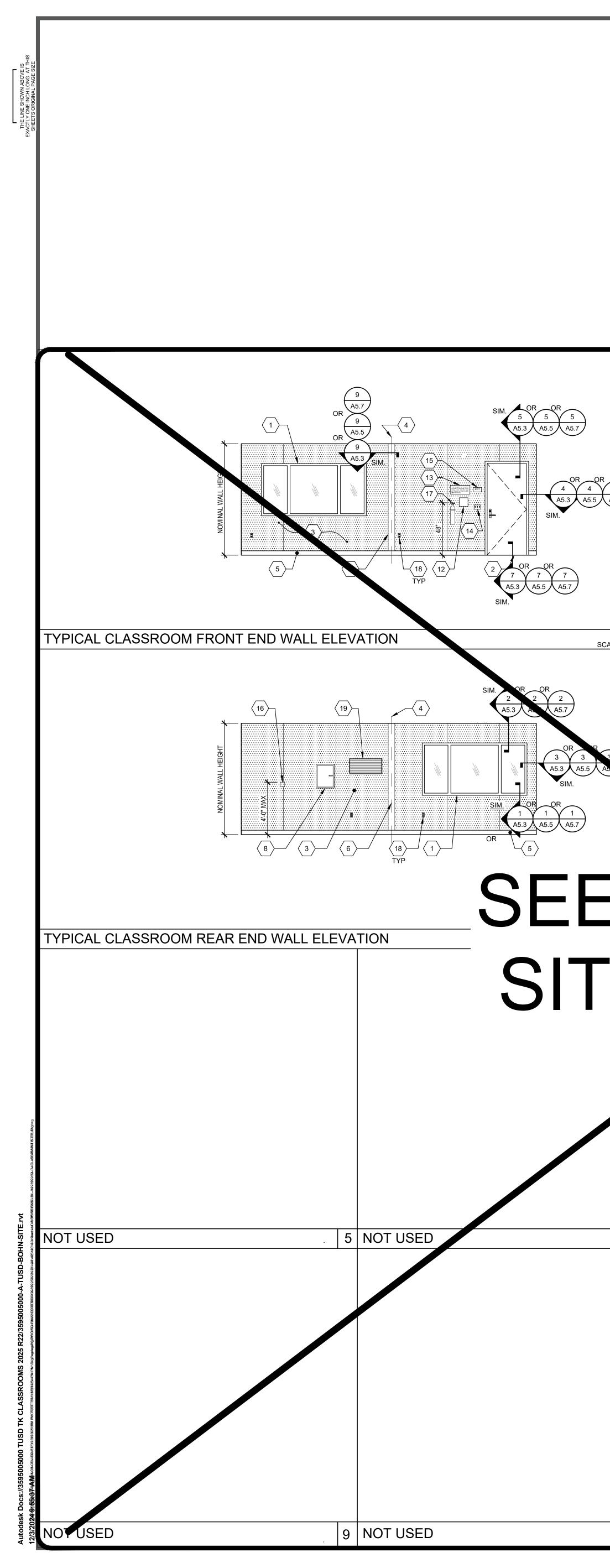
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC

APP: 02-122973 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

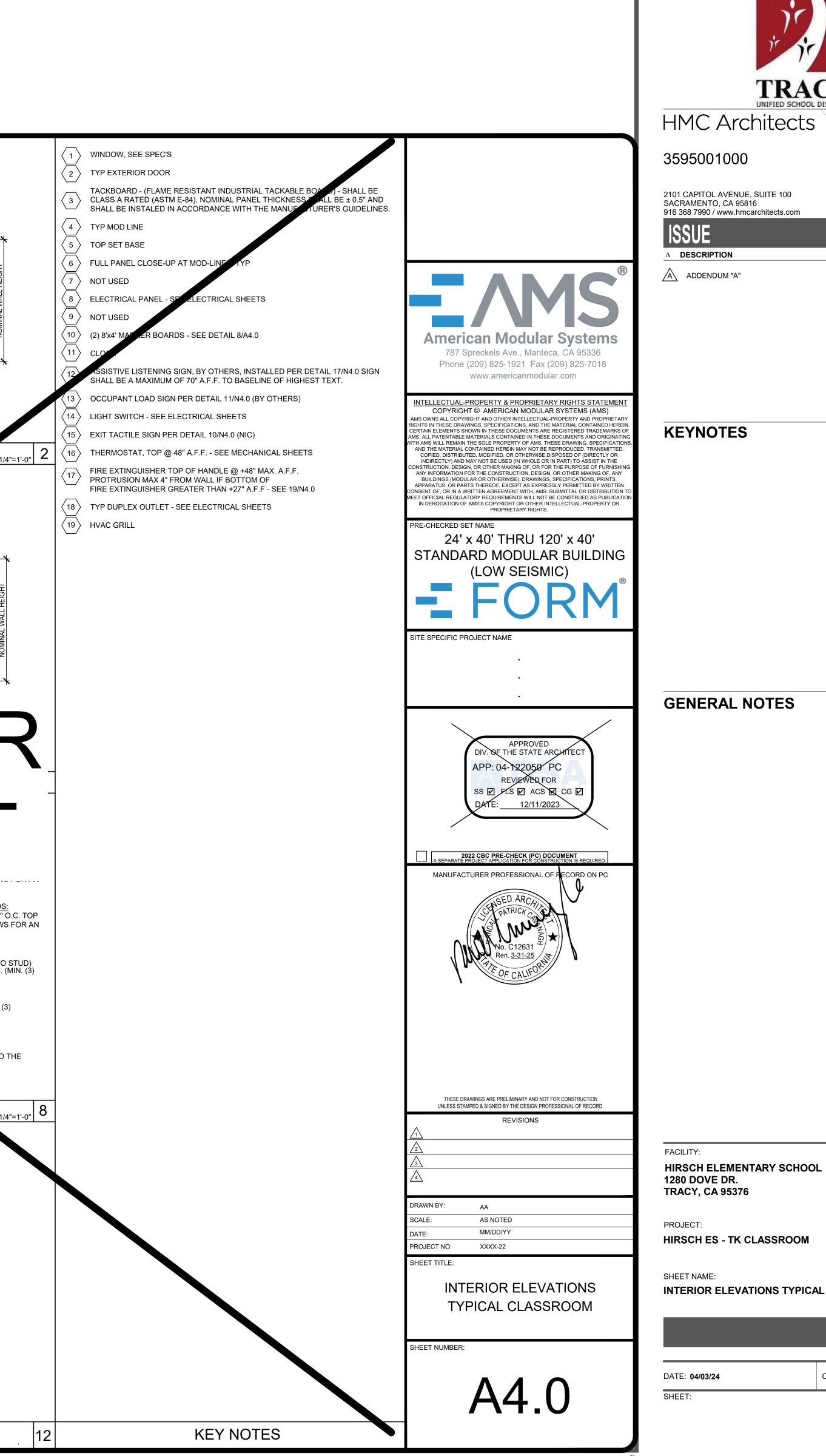
DATE: 03/12/2025

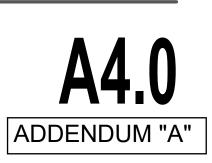






4 45.7		s-o" x 4-o" MARKERBOARD		OL: 30" 30" 30"
LE : 1/4"=1'-0" 1		3		ALE : 1/4"=
E-	SPECI		SHE 150# MAX @ WOOI #12 (2 ¼) WOOD S	COF COF COF COF COF COF COF COF
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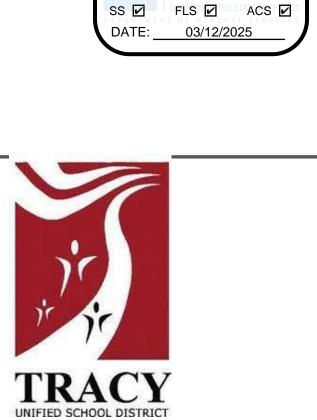


CLIENT PROJ NO: 359500100

HIRSCH ES - TK CLASSROOM

INTERIOR ELEVATIONS TYPICAL CLASSROOM

TRACY HMC Architects

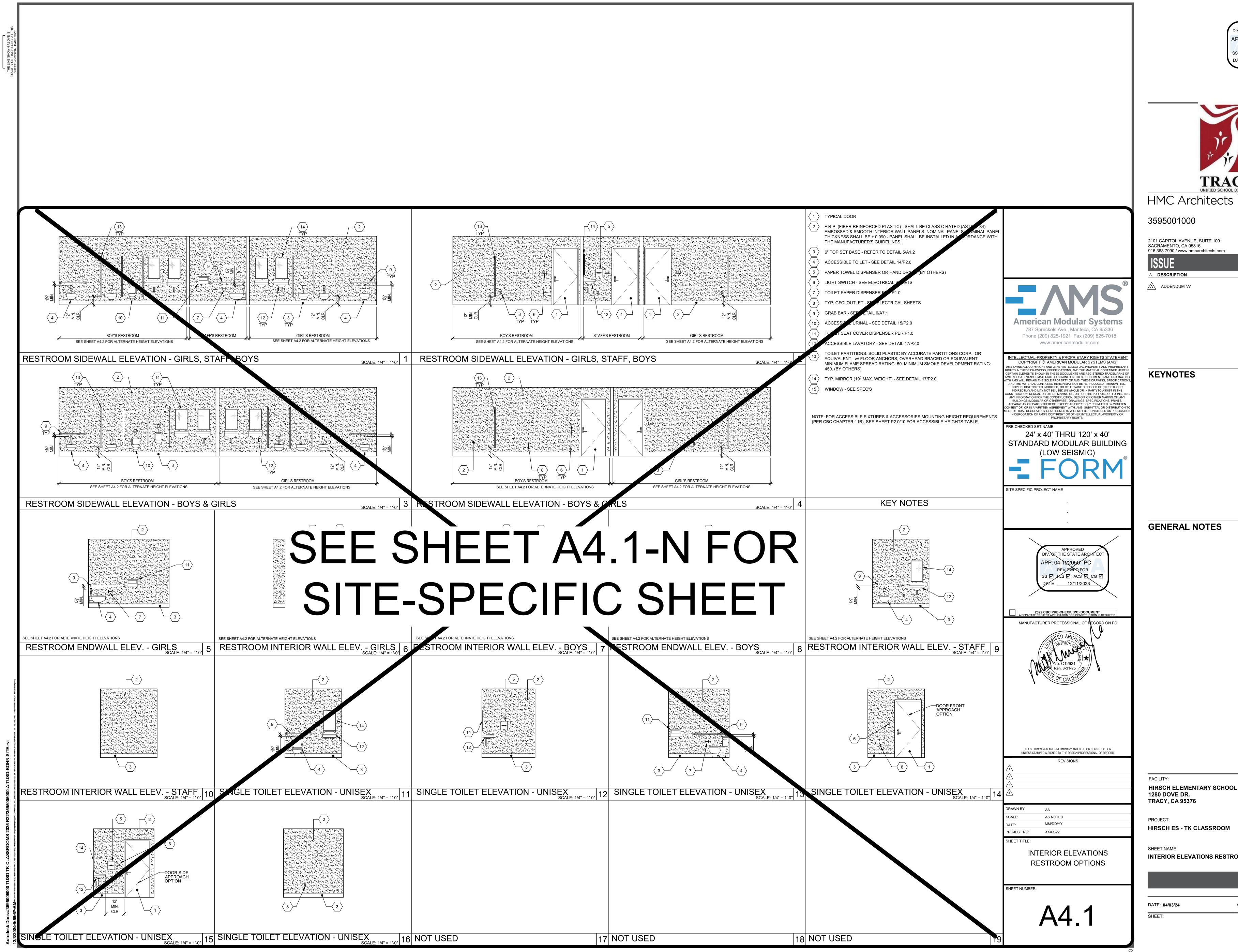


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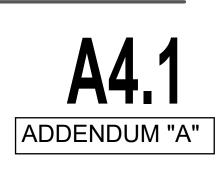
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IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

APP: 02-122973 INC: REVIEWED FOR



PLEASE RECYCLE



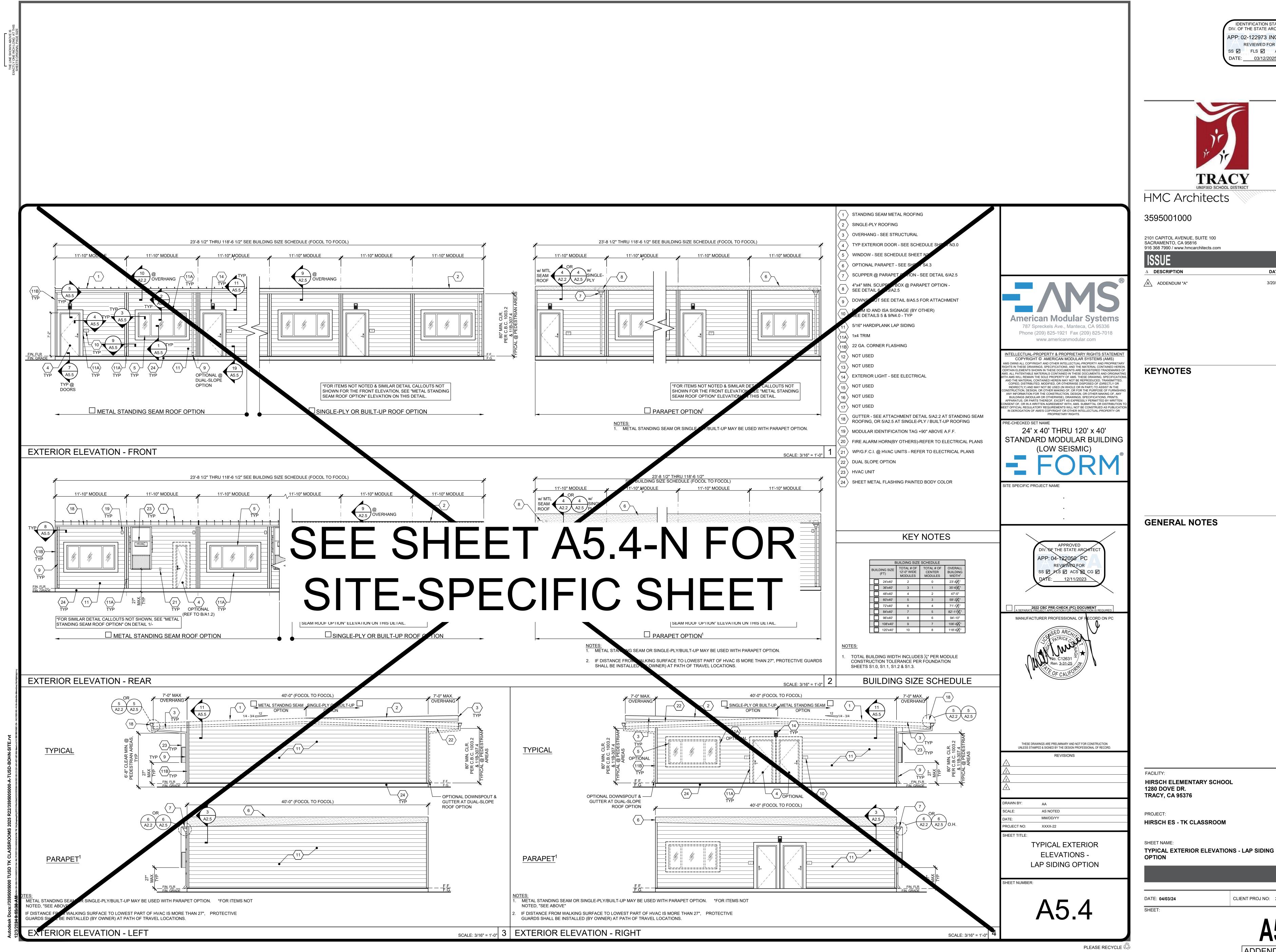
INTERIOR ELEVATIONS RESTROOM OPTIONS

HIRSCH ES - TK CLASSROOM

TRACY HMC Architects



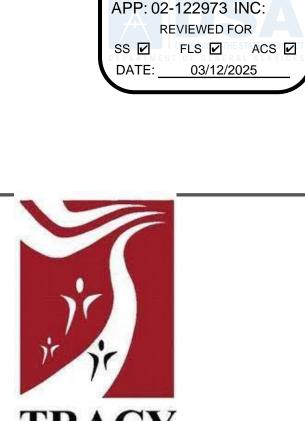
DATE





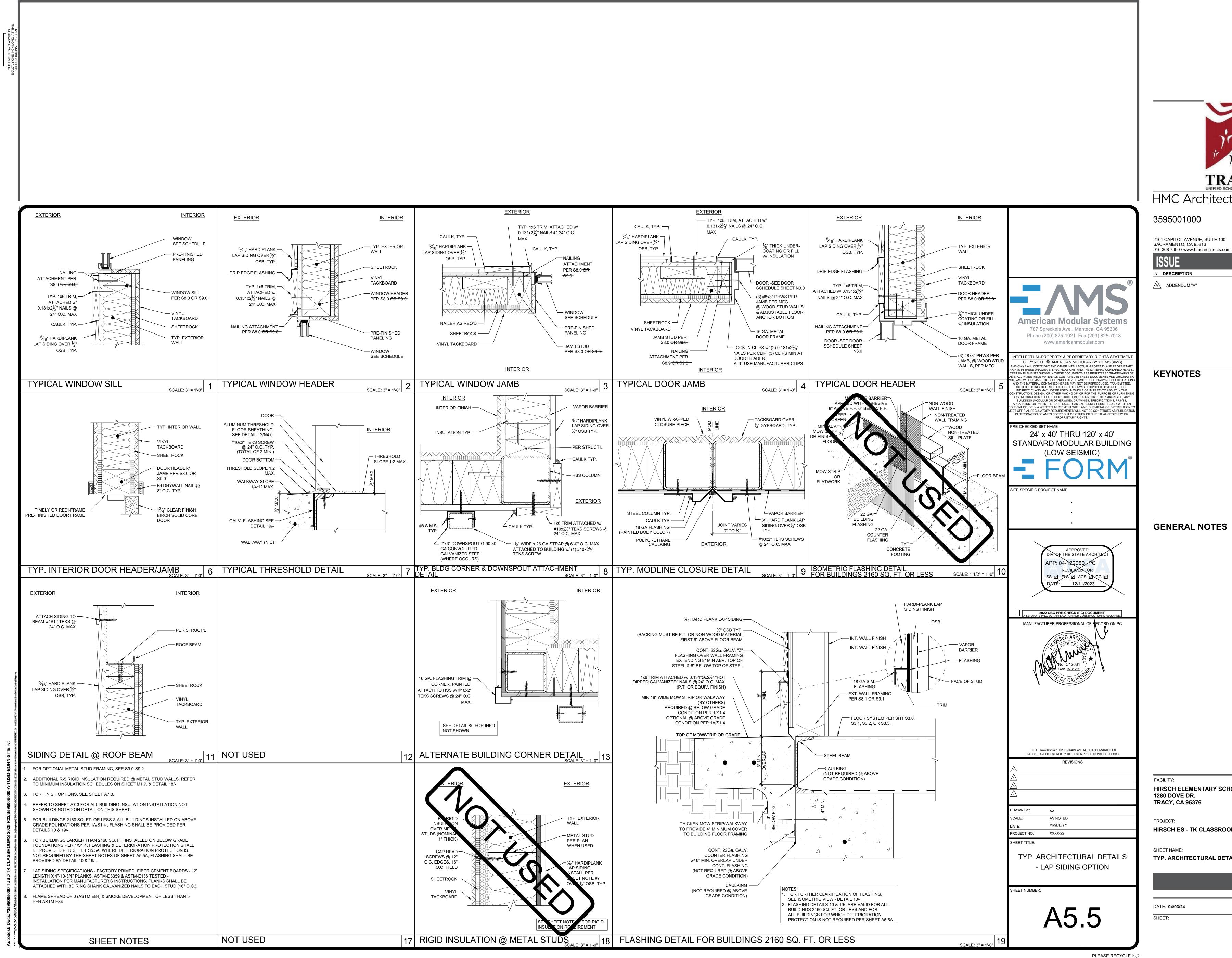
HIRSCH ES - TK CLASSROOM

TRACY



IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC

DATE 3/20/25





IDENTIFICATION STAMP

3/20/25

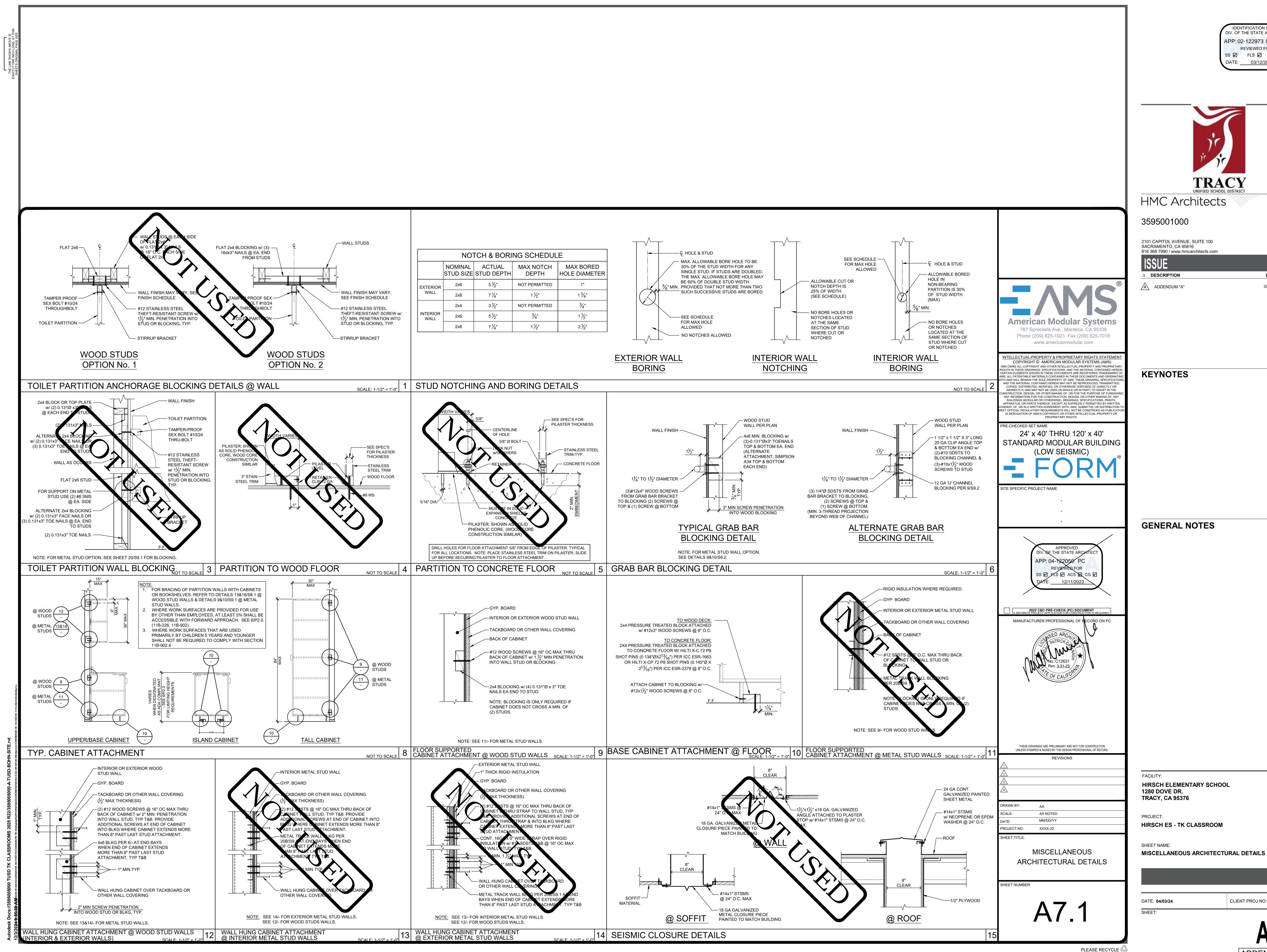
HIRSCH ELEMENTARY SCHOOL

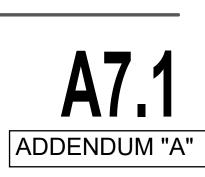
HIRSCH ES - TK CLASSROOM

TYP. ARCHITECTURAL DETAILS - LAP SIDING OPTION

CLIENT PROJ NO: 3595001000

ADDENDUM "A"





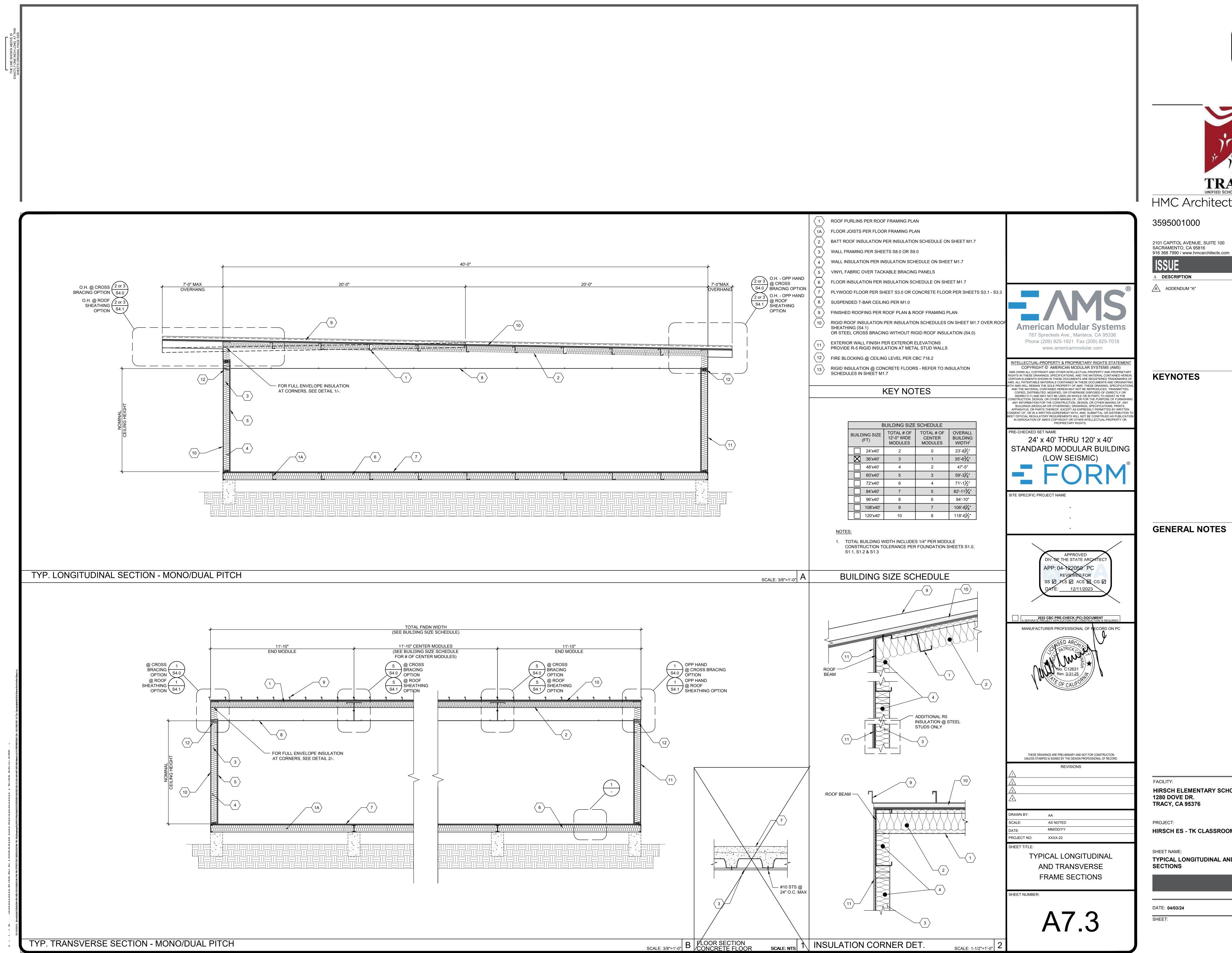
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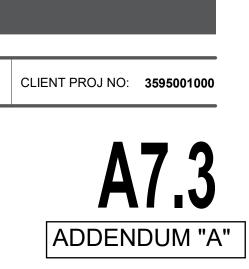
HMC Architects

DATE: 03/12/2025 TRACY



DATE





HIRSCH ELEMENTARY SCHOOL

HIRSCH ES - TK CLASSROOM

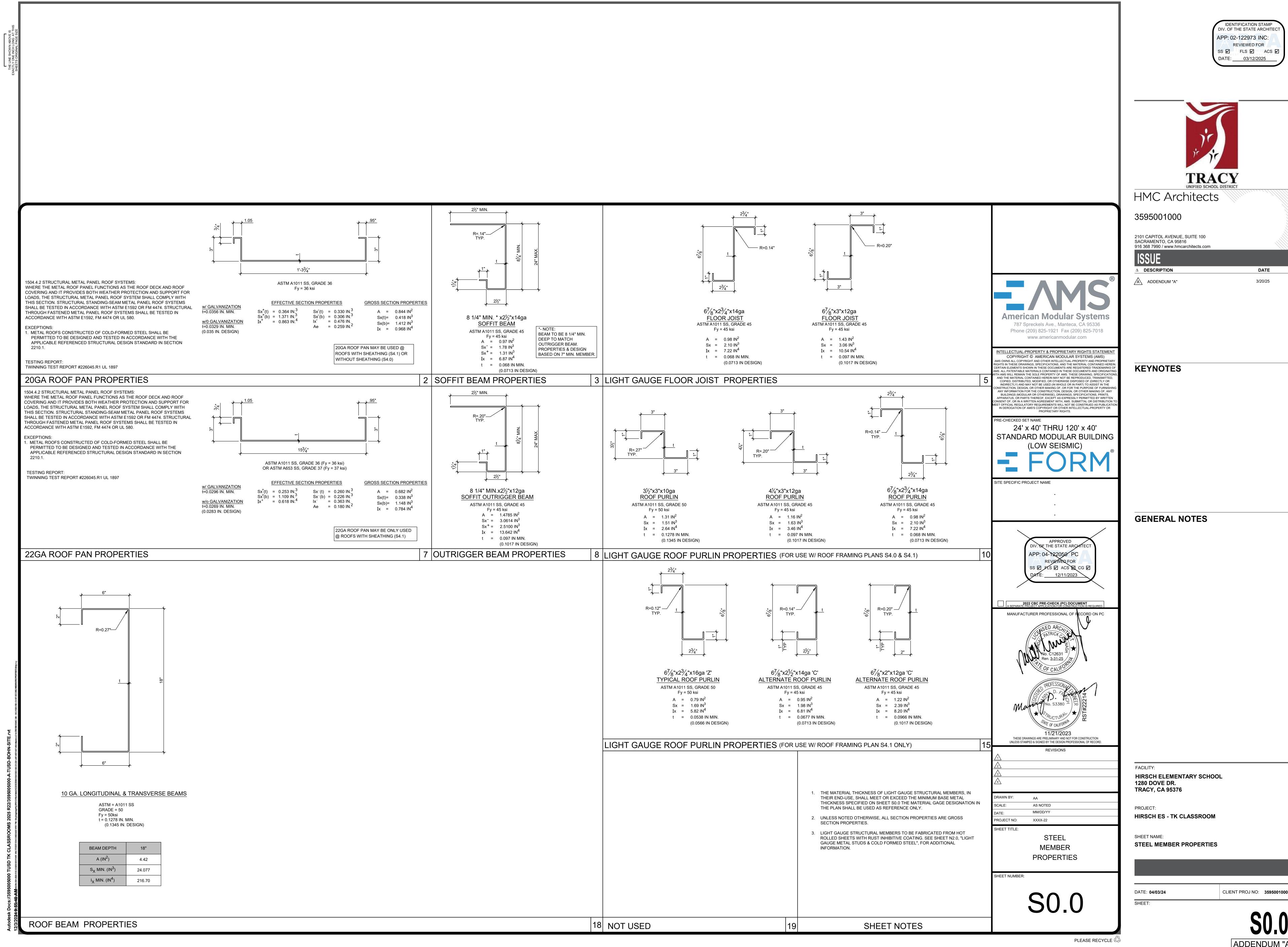
TYPICAL LONGITUDINAL AND TRANSVERSE FRAME

TRACY HMC Architects

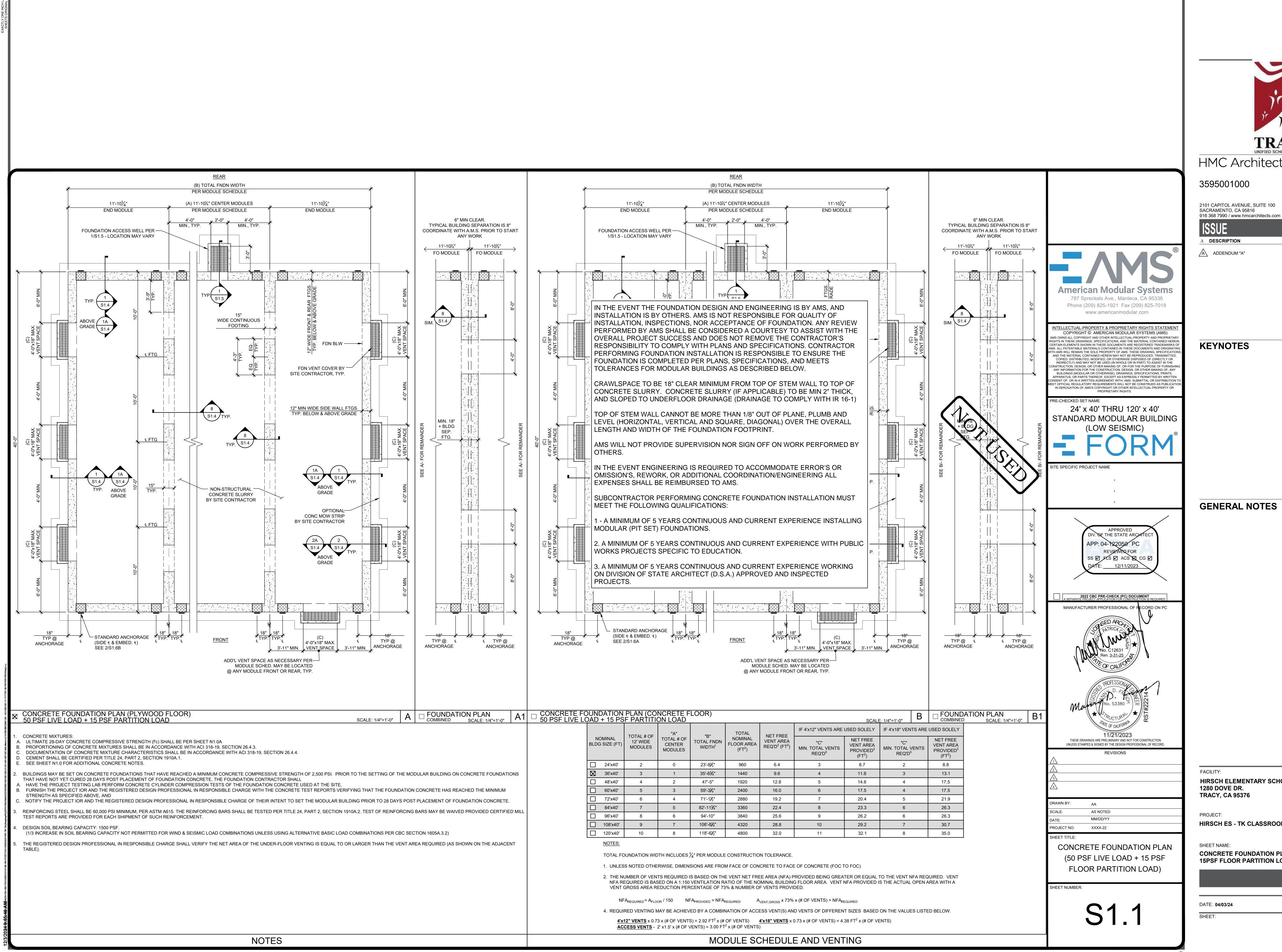
APP: 02-122973 INC: REVIEWED FOR DATE: 03/12/2025

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC SS 🗹 FLS 🗹 ACS 🗹

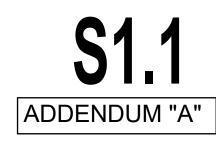
DATE







PLEASE RECYCLE



CLIENT PROJ NO: 359500100

#### CONCRETE FOUNDATION PLAN (50PSF LIVE LOAD + 15PSF FLOOR PARTITION LOAD)

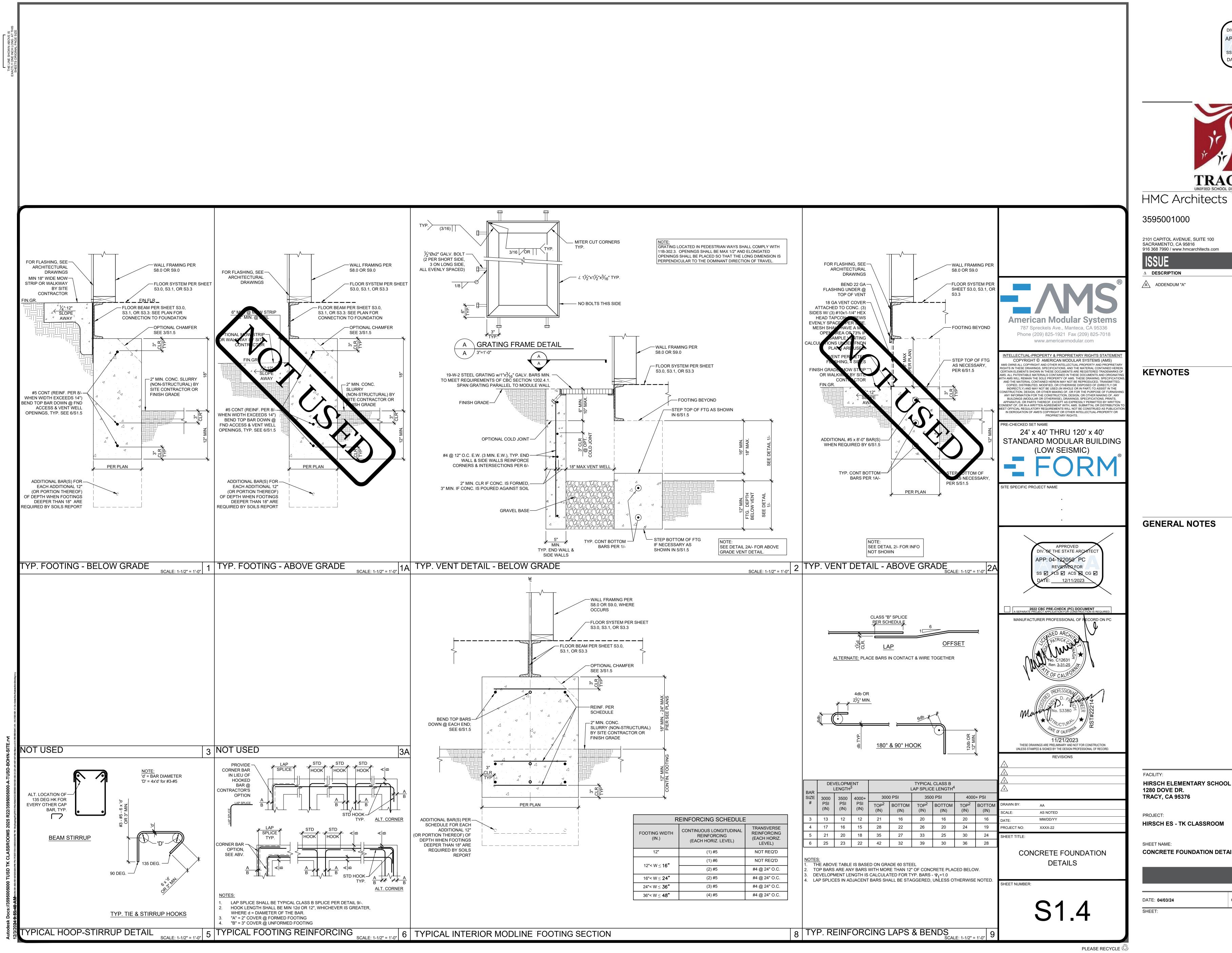
HIRSCH ES - TK CLASSROOM

HIRSCH ELEMENTARY SCHOOL

DATE 3/20/25

TRACY HMC Architects

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-122973 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 03/12/2025





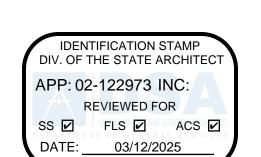
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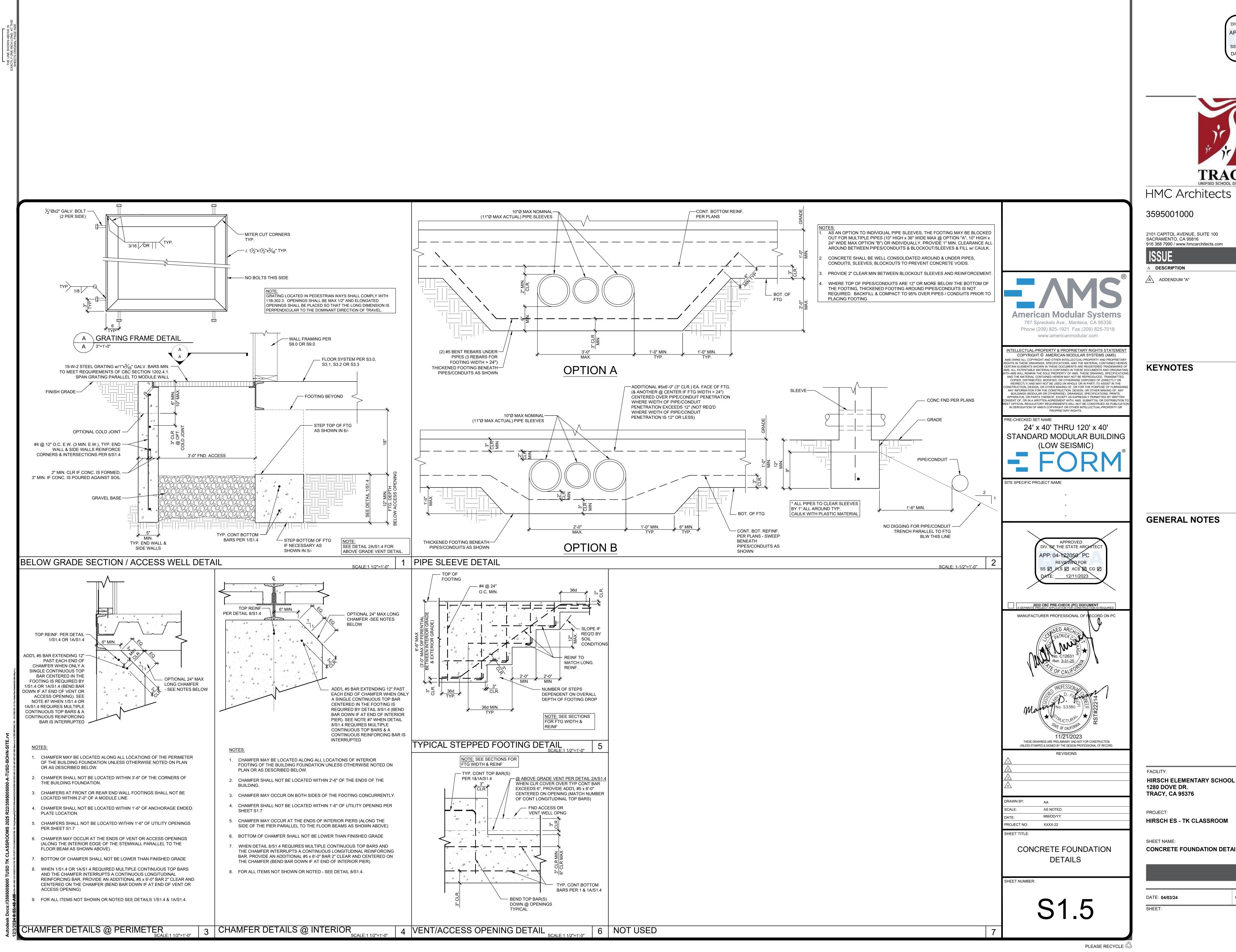
CONCRETE FOUNDATION DETAILS

HMC Architects

TRACY

DATE







HIRSCH ES - TK CLASSROOM

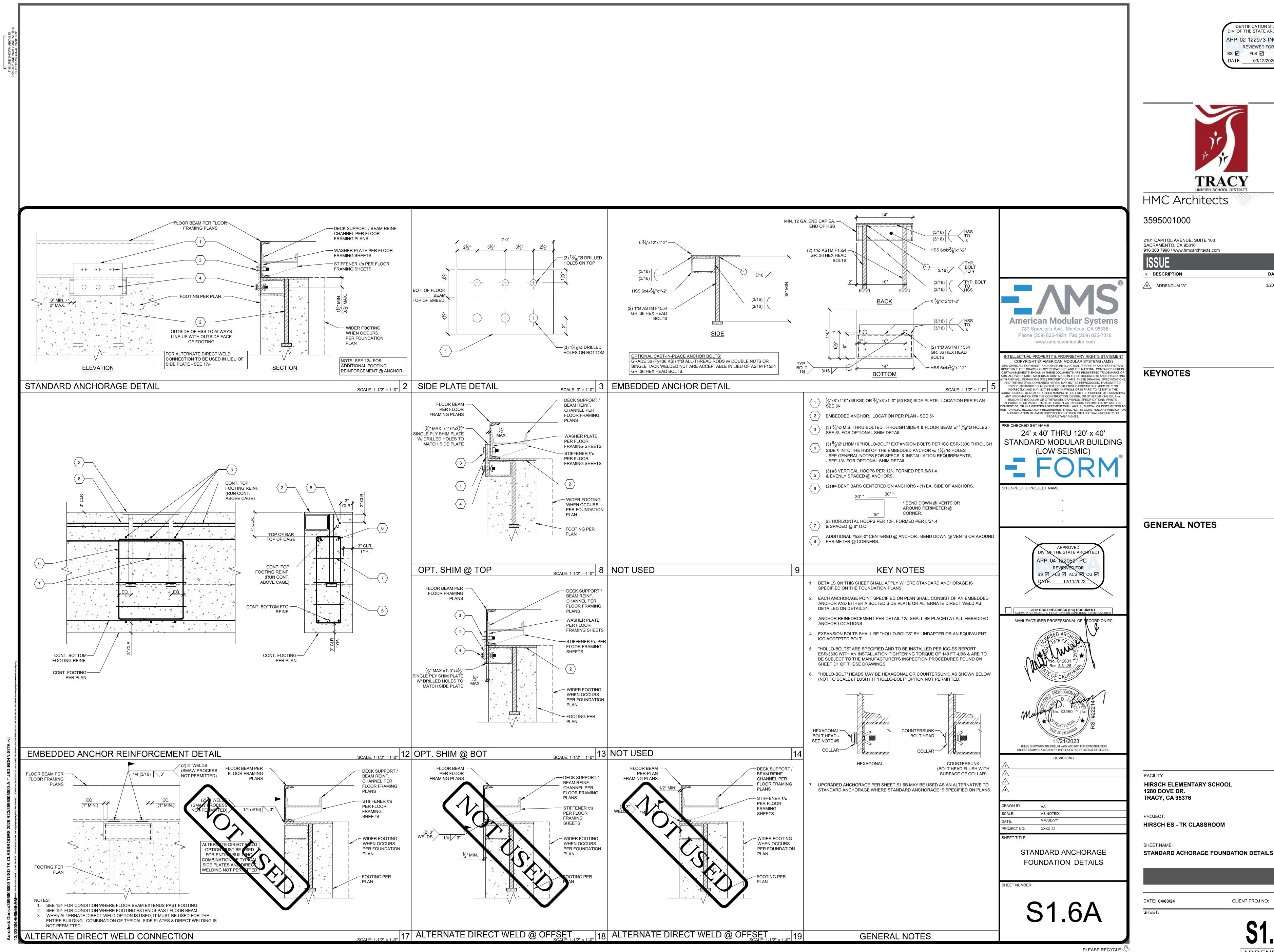
CONCRETE FOUNDATION DETAILS

HMC Architects

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IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-122973 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 03/12/2025

DATE



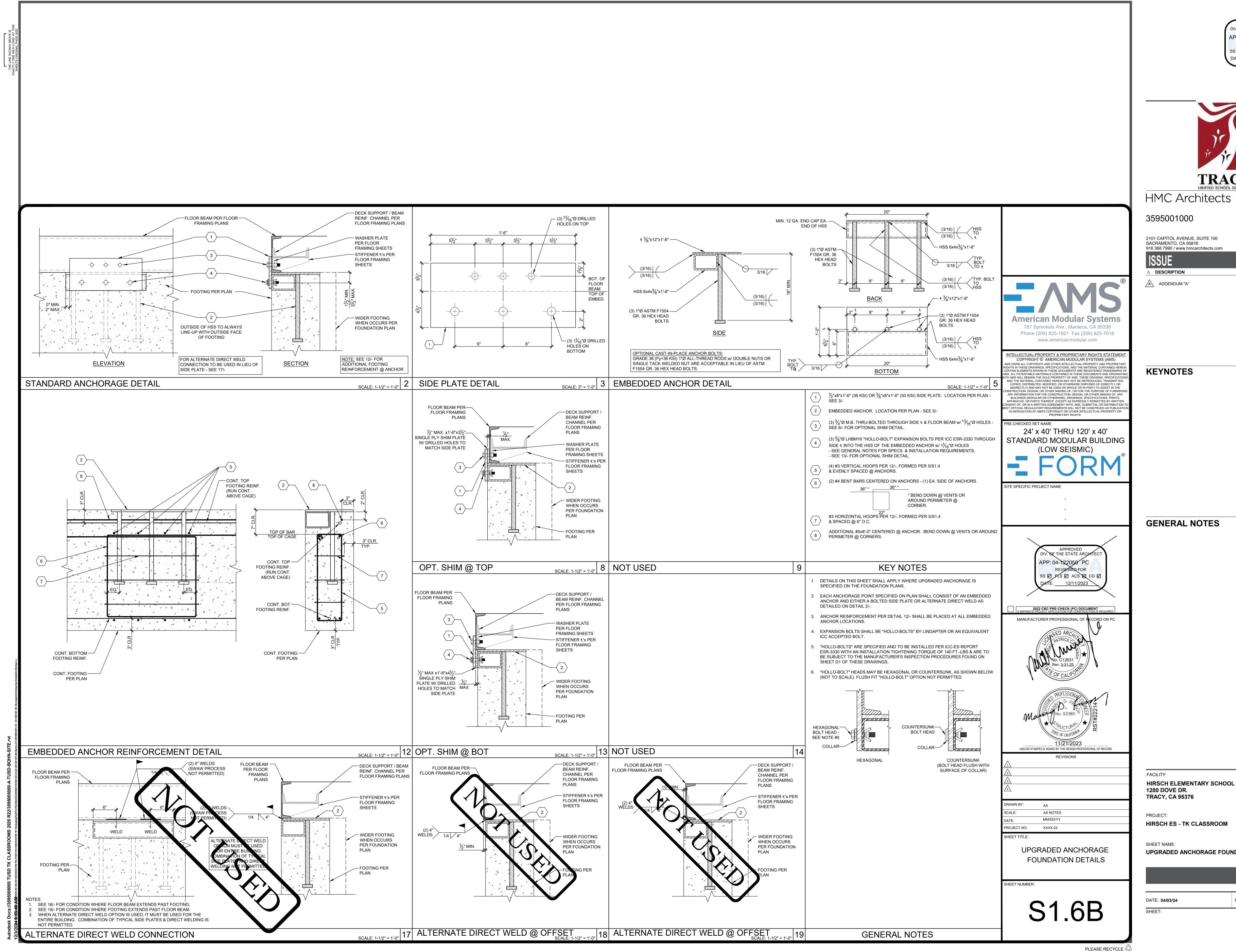


HIRSCH ES - TK CLASSROOM

TRACY HMC Architects

DATE





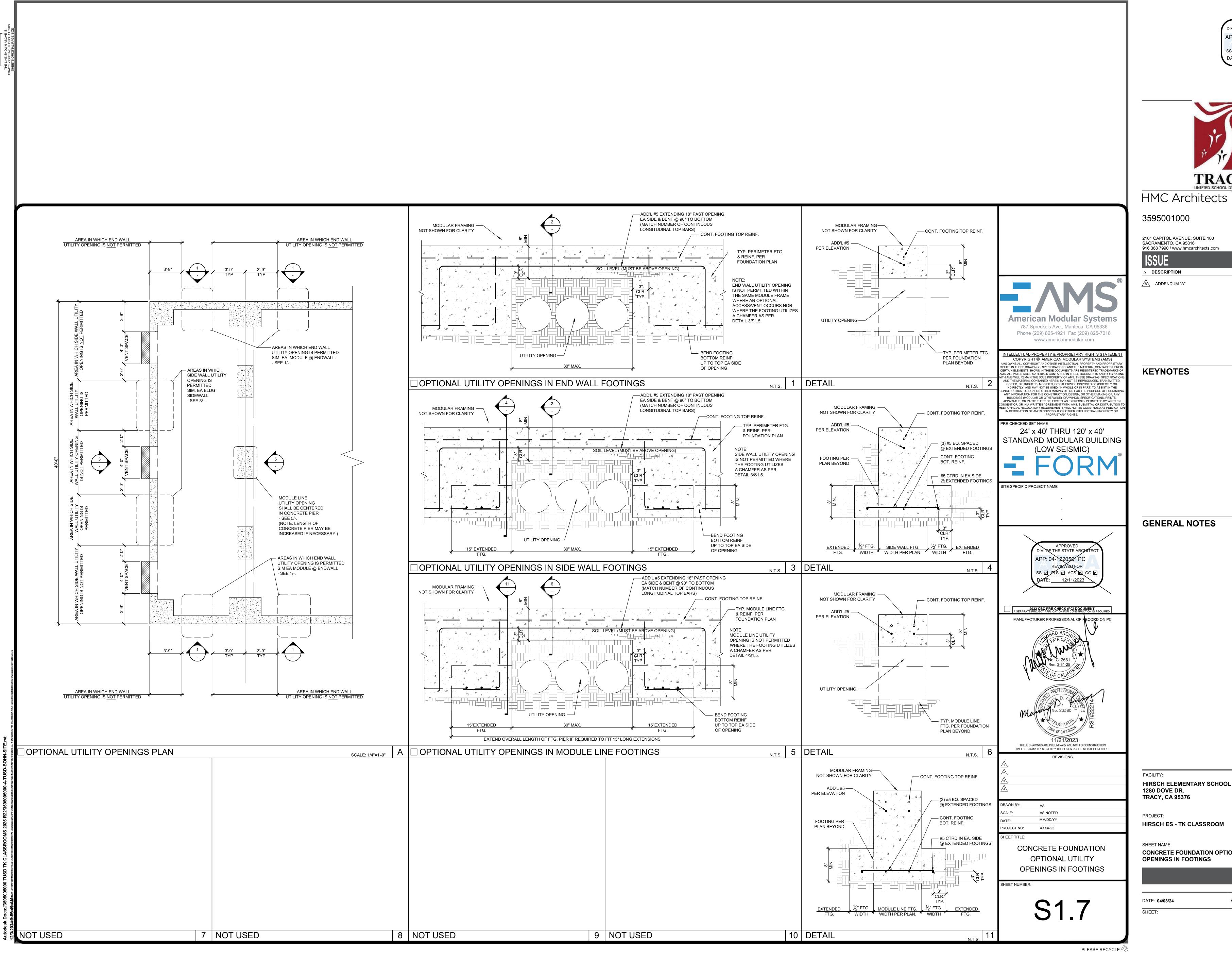


HIRSCH ES - TK CLASSROOM

UPGRADED ANCHORAGE FOUNDATION DETAILS

TRACY HMC Architects DATE







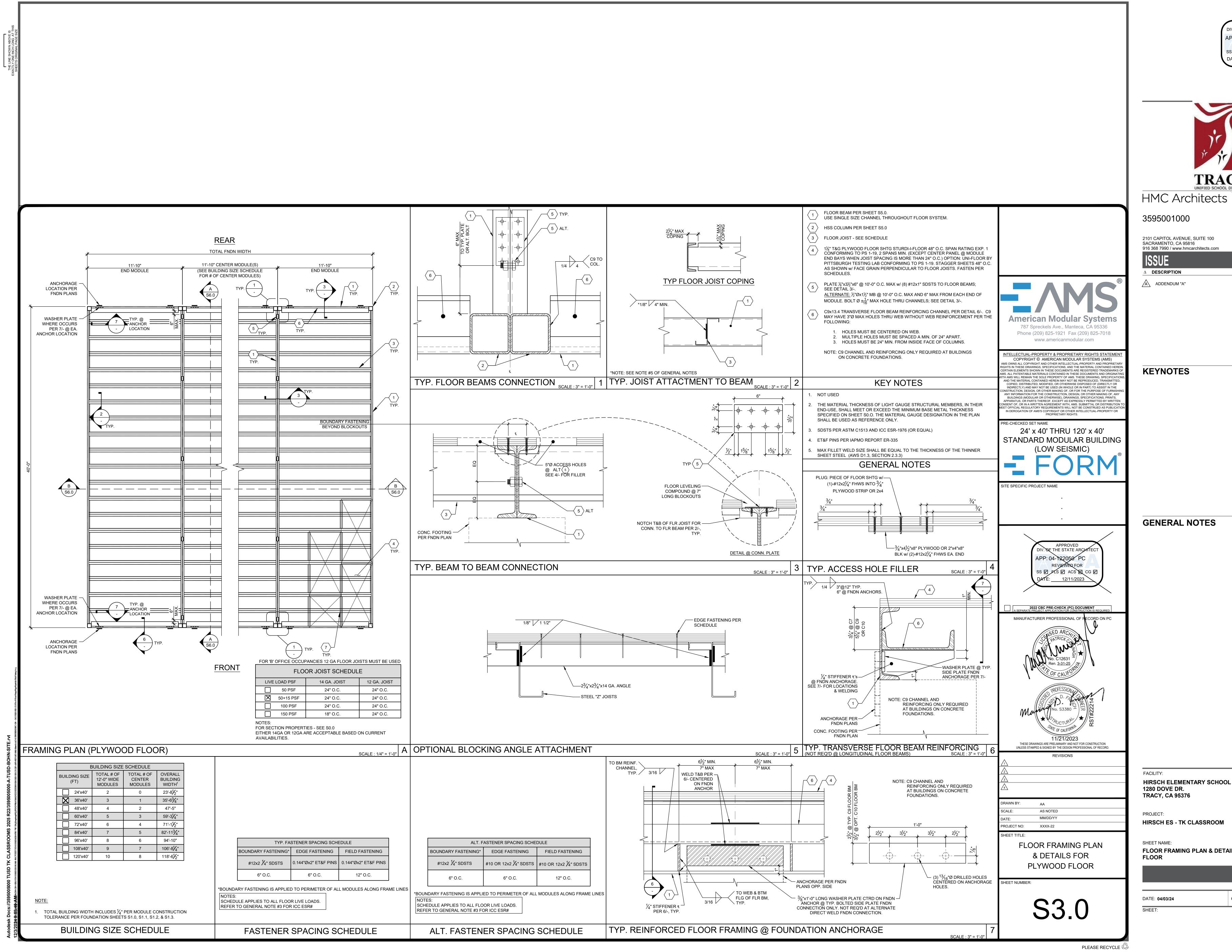
CONCRETE FOUNDATION OPTIONAL UTILITY

HIRSCH ES - TK CLASSROOM

TRACY

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-122973 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 03/12/2025

DATE





FLOOR FRAMING PLAN & DETAILS FOR PLYWOOD

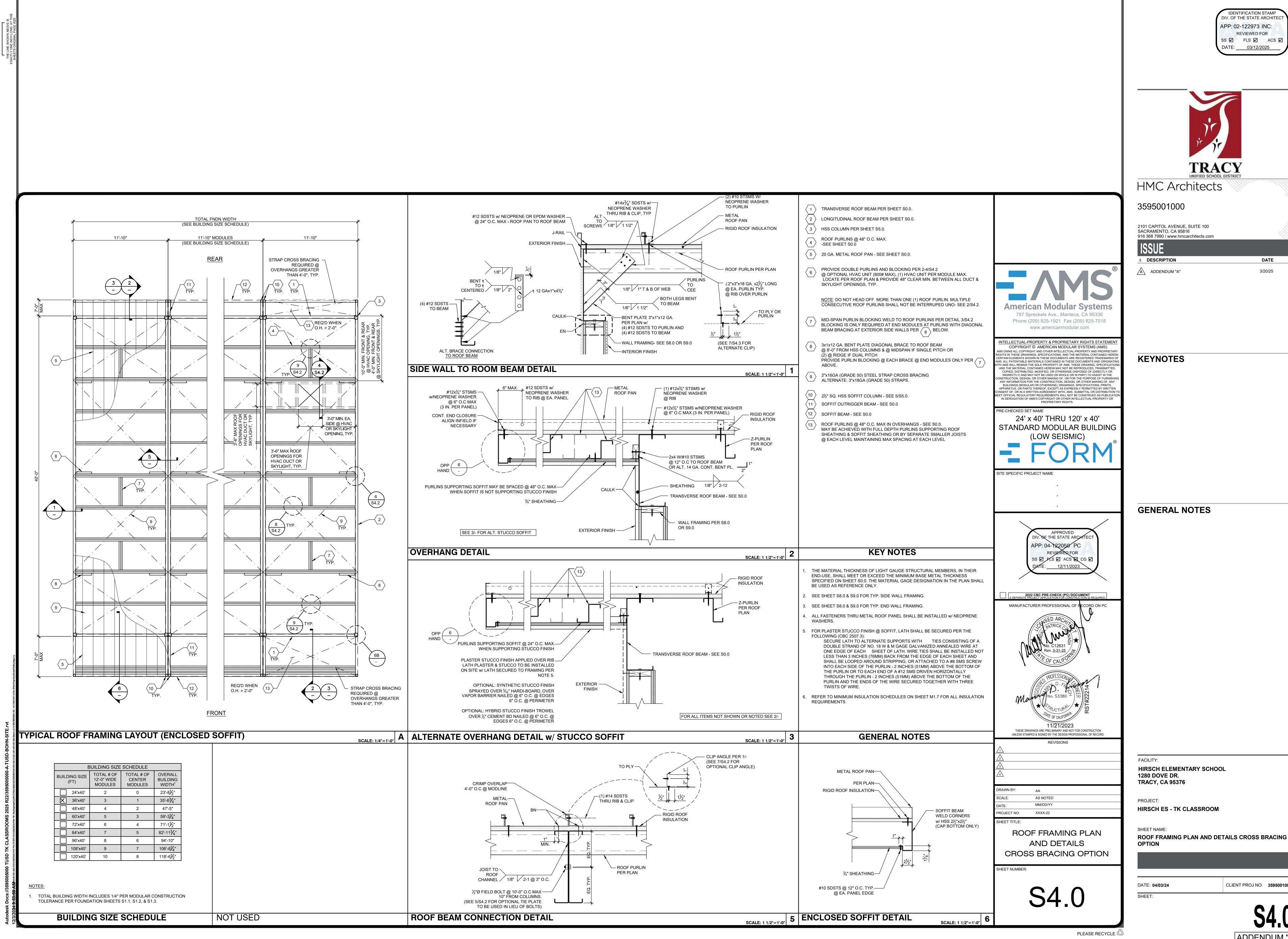
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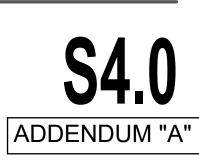
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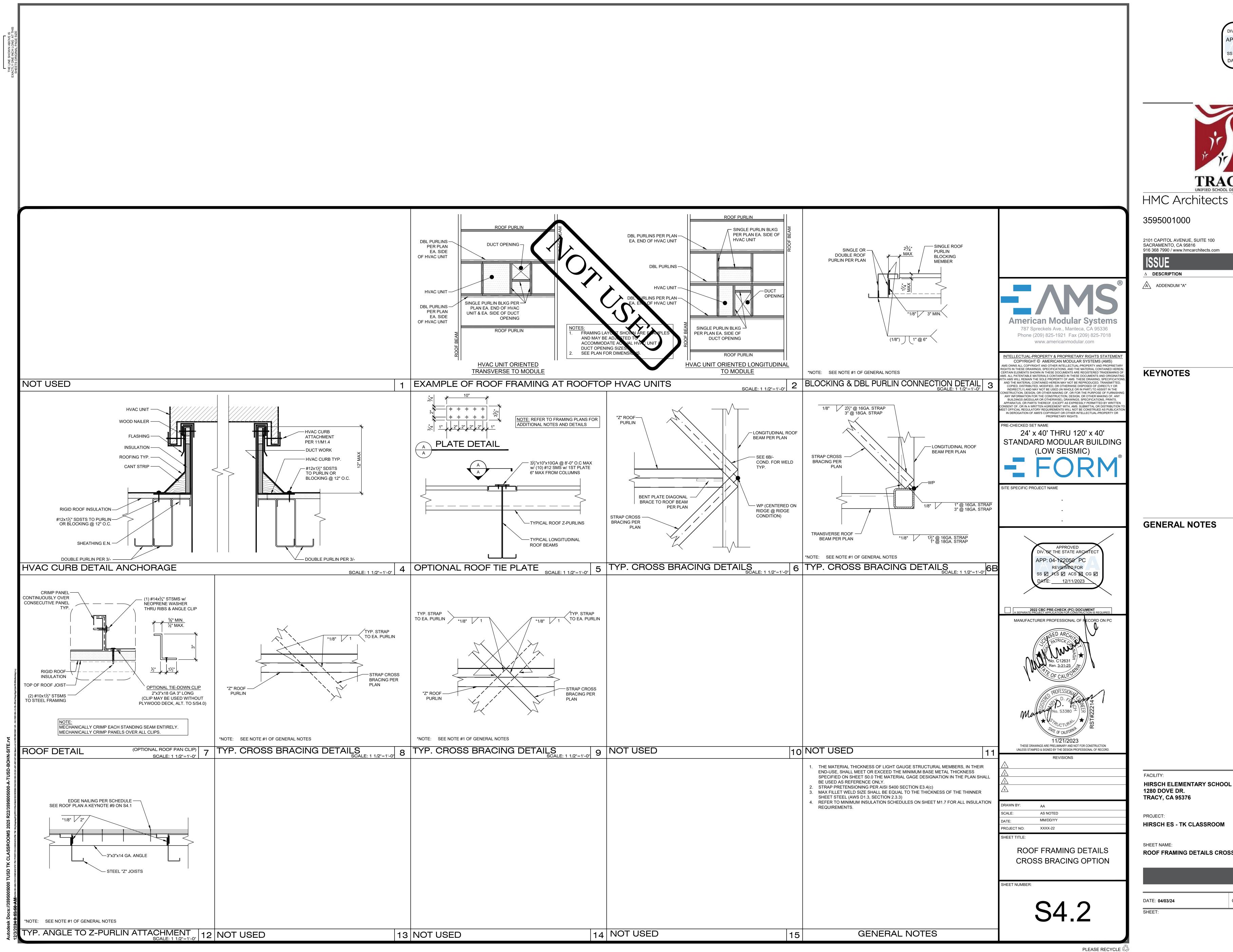
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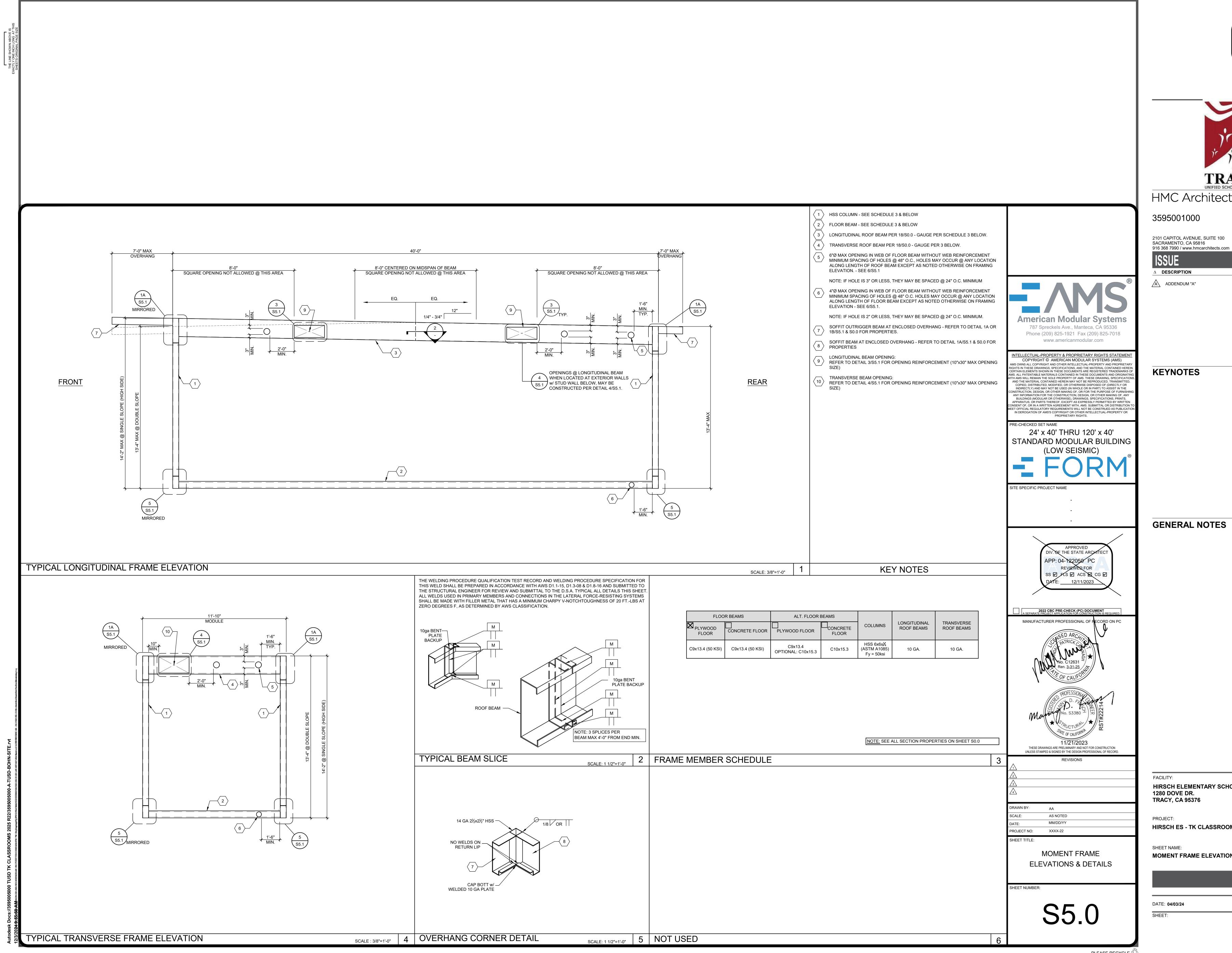
ROOF FRAMING DETAILS CROSS BRACING OPTION

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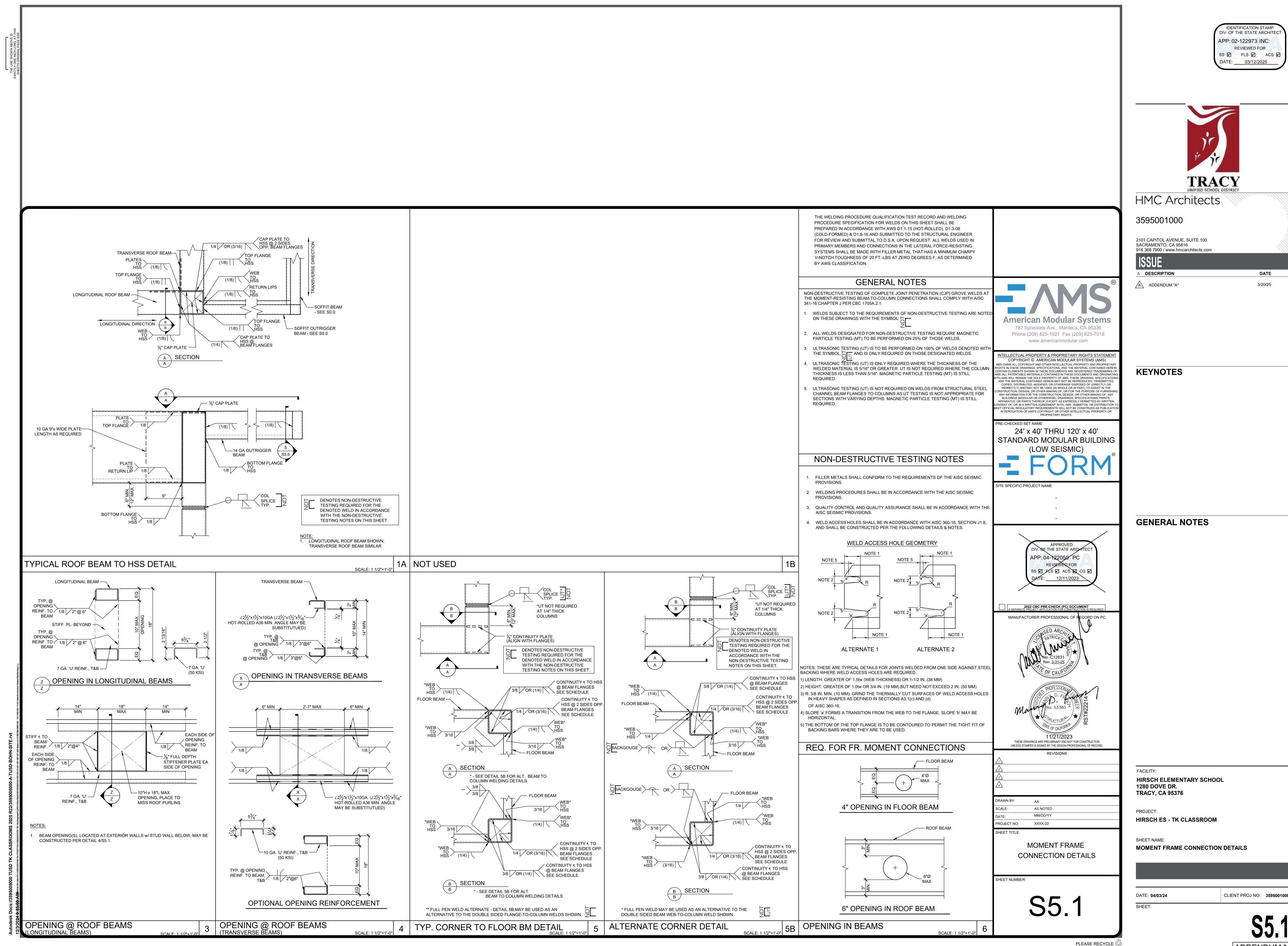
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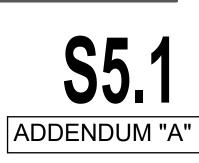
MOMENT FRAME ELEVATIONS & DETAILS

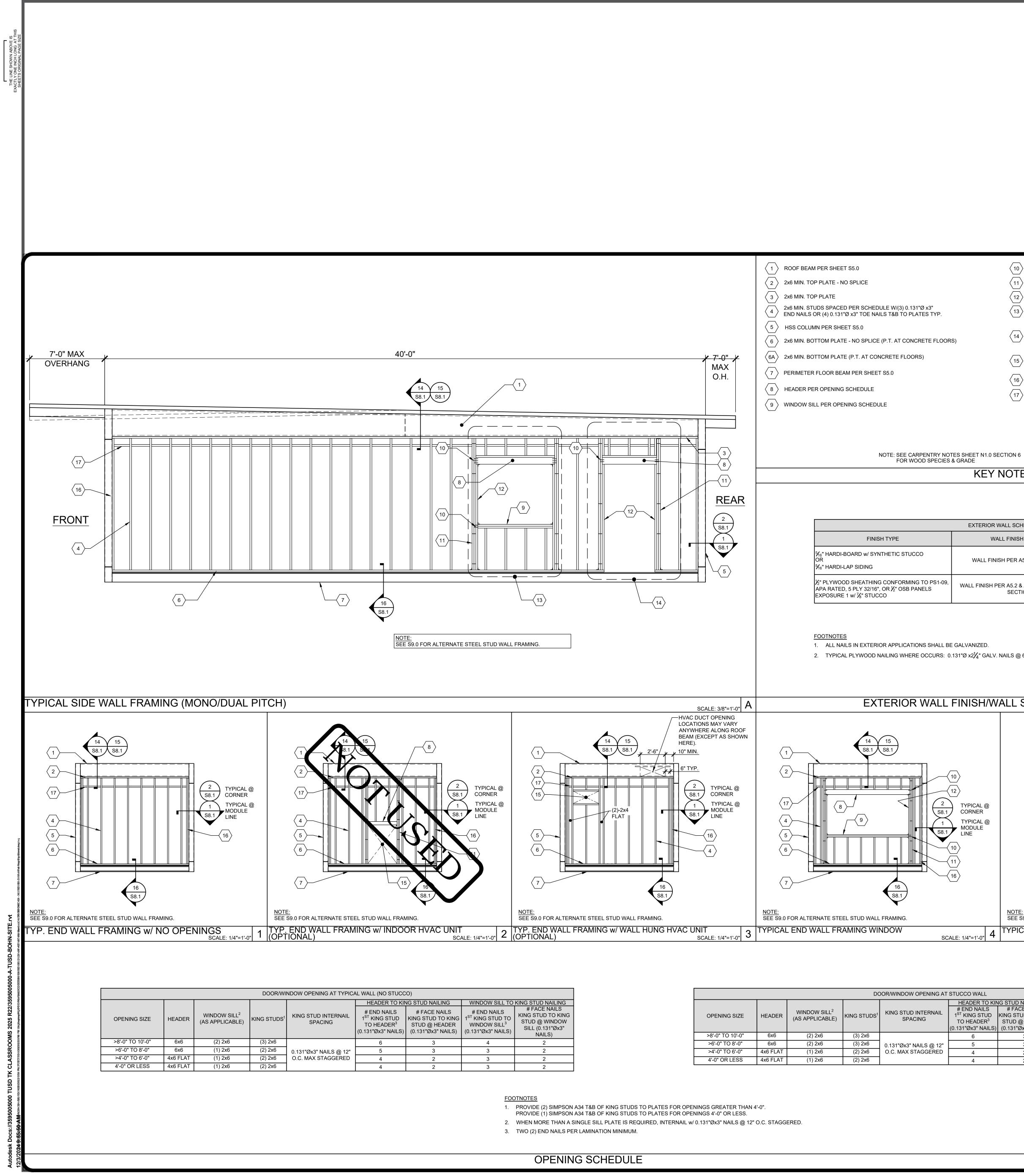
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**S5.0** 

ADDENDUM "A"

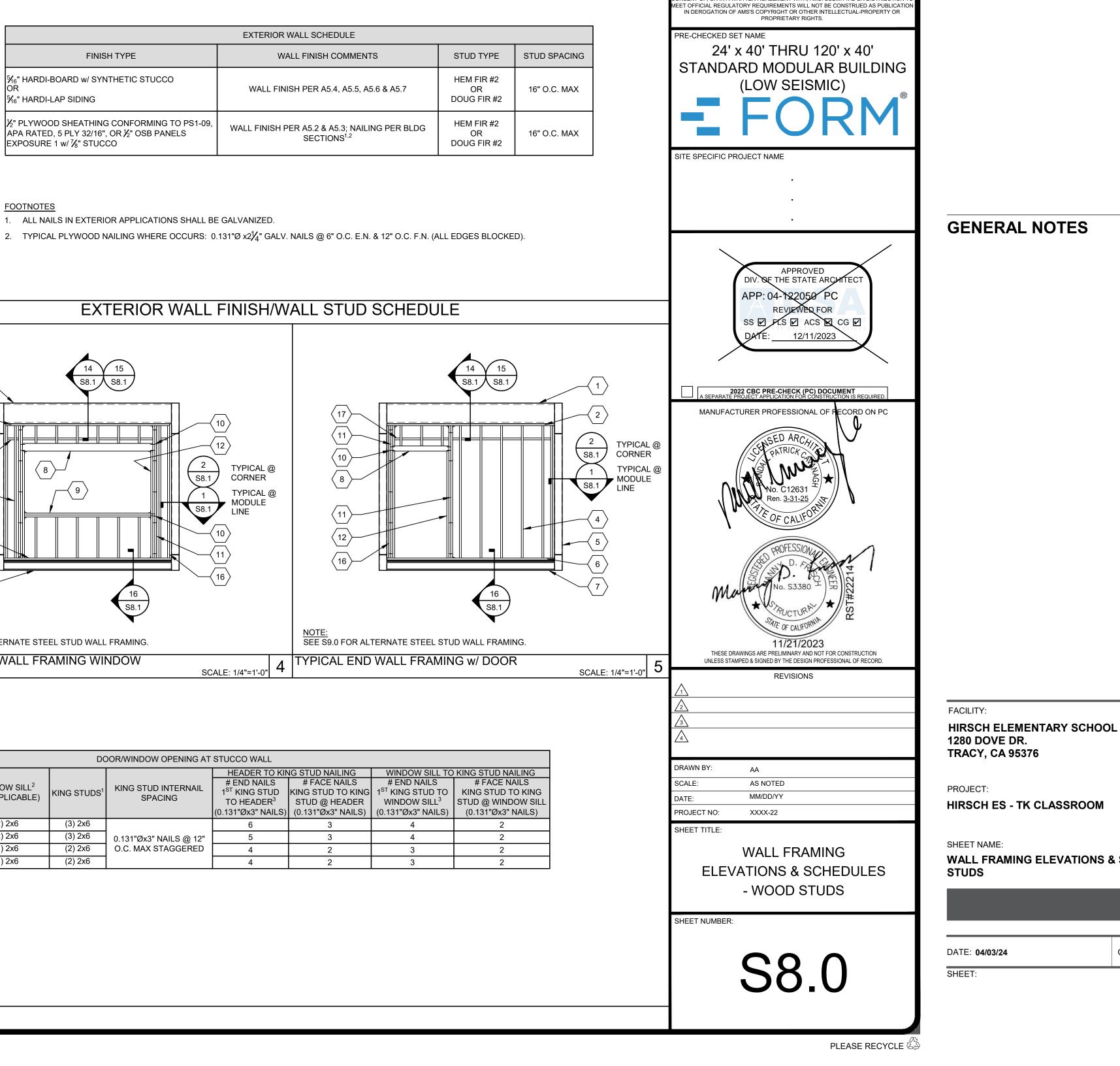






	WINDOW SILL TO KING STUD NAILING												
6)	# END NAILS 1 <sup>ST</sup> KING STUD TO WINDOW SILL <sup>3</sup> (0.131"Øx3" NAILS)	# FACE NAILS KING STUD TO KING STUD @ WINDOW SILL (0.131"Øx3" NAILS)											
	4	2											
	3	2											
	3	2											
	3	2											

	DOOR/WINDOW OPENING AT STUC												
	OPENING SIZE	HEADER	WINDOW SILL <sup>2</sup> (AS APPLICABLE)	KING STUDS <sup>1</sup>	KING STUD INTERNAIL SPACING	HE # E 1 <sup>ST</sup> H TO (0.131							
	>8'-0" TO 10'-0"	6x6	(2) 2x6	(3) 2x6									
	>6'-0" TO 8'-0"	6x6	(2) 2x6	(3) 2x6	0.131"Øx3" NAILS @ 12"								
	>4'-0" TO 6'-0"	4x6 FLAT	(1) 2x6	(2) 2x6	O.C. MAX STAGGERED								
	4'-0" OR LESS	4x6 FLAT	(1) 2x6	(2) 2x6									
-													



# EXTERIOR WALL SCHEDULE WALL FINISH COMMENTS WALL FINISH PER A5.4, A5.5, A5.6 & A5.7 WALL FINISH PER A5.2 & A5.3; NAILING PER BLDG

# **KEY NOTES**

CO WALL

6

5

4

4

- $\langle 16 \rangle$  2x DOUBLE NAILER (17) FIRE BLOCKING @ 10'-0" AFF VERTICALLY, HORIZONTALLY AT THE CEILING AND FLOOR LEVELS.
- HVAC OPENING @ EXTERIOR WALL (600#MAX WT.) SEE DETAIL 3/S8.1 FOR HVAC ATTACHMENT SEE DETAIL 3/S8.1 FOR HVAC ATTACHMENT
- 0PTIONAL DOOR OPENING FRAMING PER SCHEDULE (REFER TO 5/S8.0 FOR DETAILS AND FLOOR PLANS FOR LOCATIONS)
- (REFER TO 4/S8.0 FOR DETAILS AND FLOOR PLANS FOR LOCATIONS)
- $\langle 12 \rangle$  2x6 MIN. TRIMMER  $\langle 13 \rangle$  OPTIONAL WINDOW OPENING FRAMING PER SCHEDULE
- $\langle 11 \rangle$  KING STUDS PER OPENING SCHEDULE
- $\langle 10 \rangle$  END NAILS THROUGH KING STUD TO HEADER SILL PER OPENING SCHEDULE



3595001000 2101 CAPITOL AVENUE, SUITE 100

2101 CAPITOL AV SACRAMENTO, C 916 368 7990 / ww
ISSUE

ADDENDUM "A"

**American Modular Systems** 

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www.americanmodular.com

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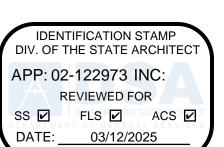


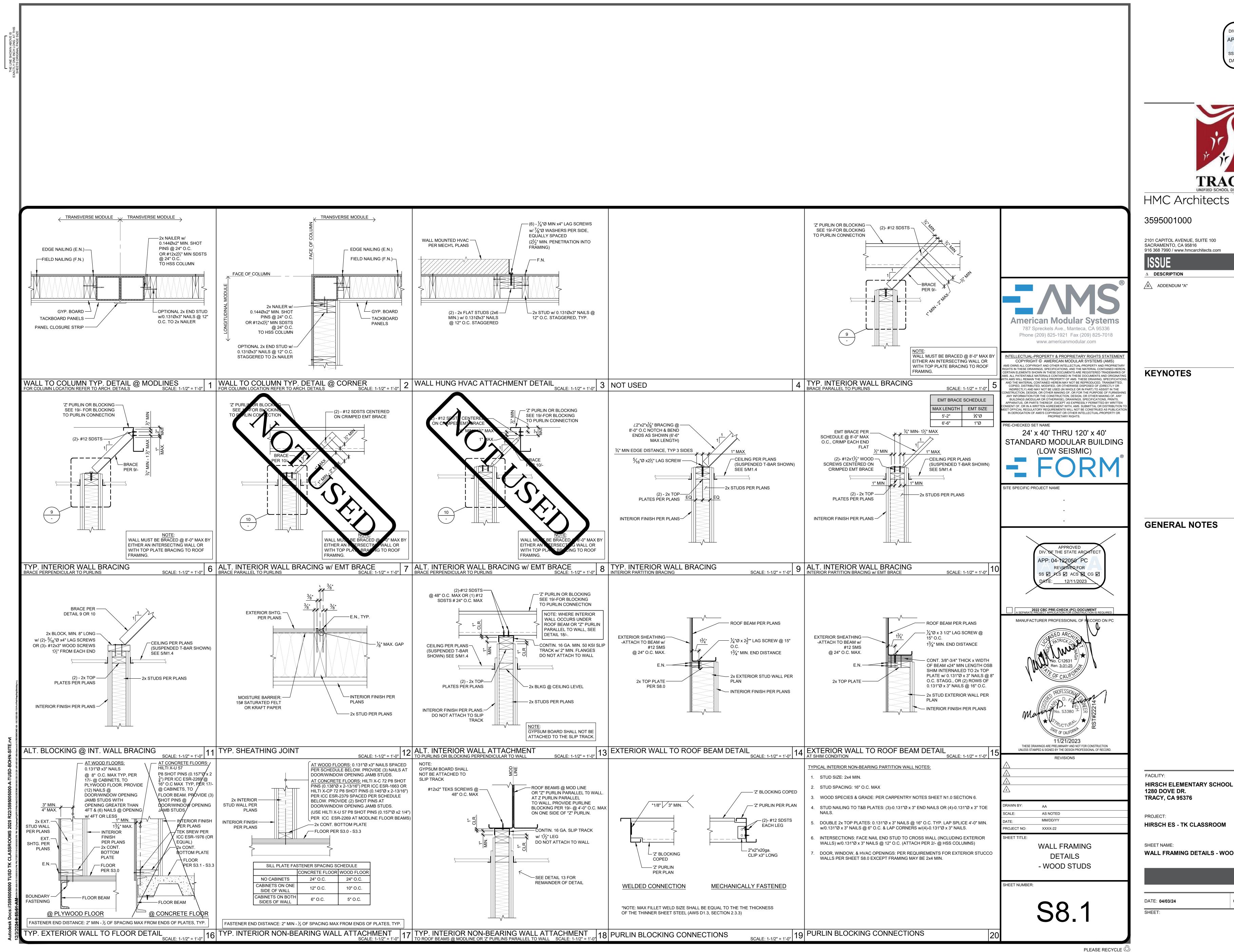
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WALL FRAMING ELEVATIONS & SCHEDULES - WOOD

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WALL FRAMING DETAILS - WOOD STUDS

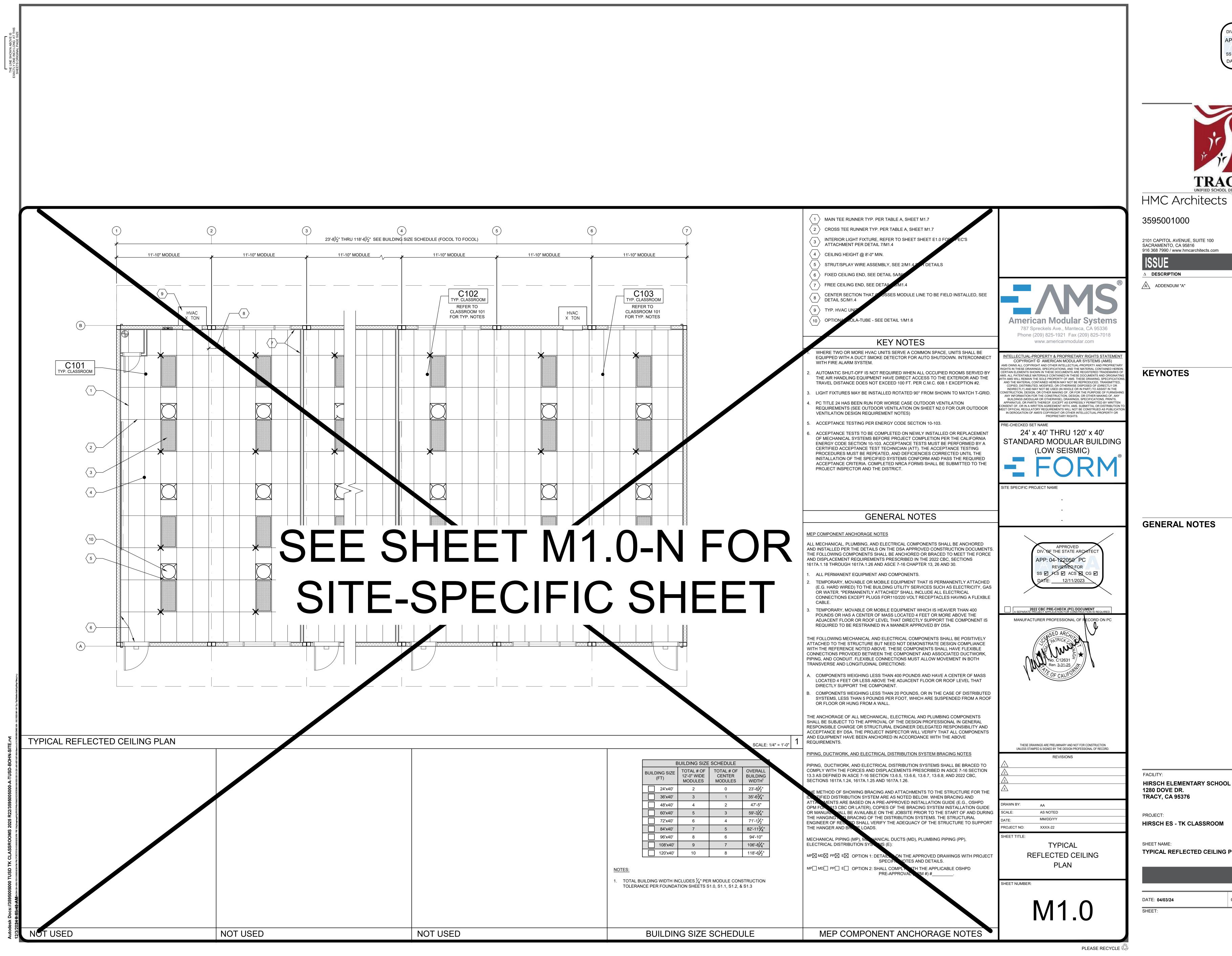
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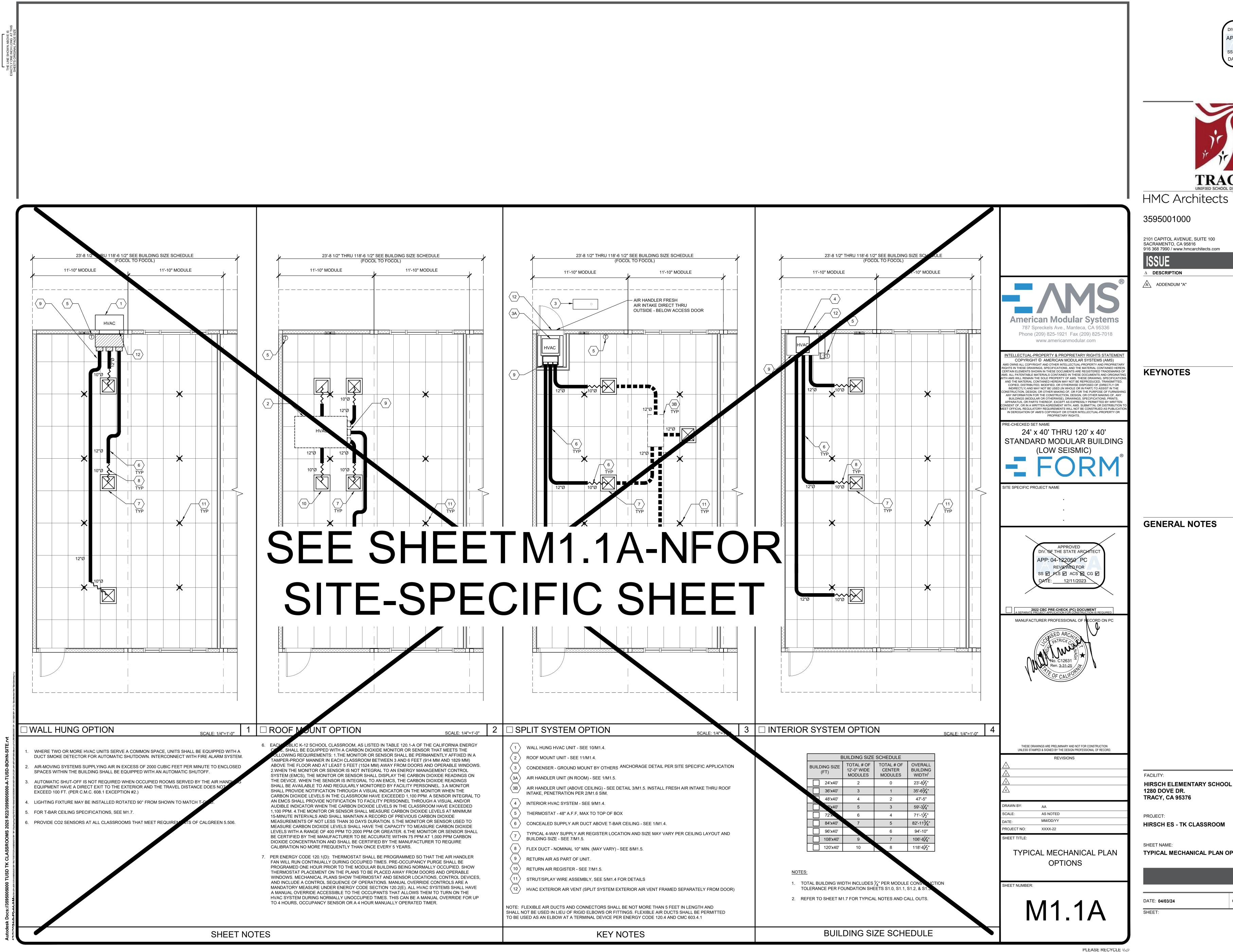


TYPICAL REFLECTED CEILING PLAN

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**TYPICAL MECHANICAL PLAN OPTIONS** 

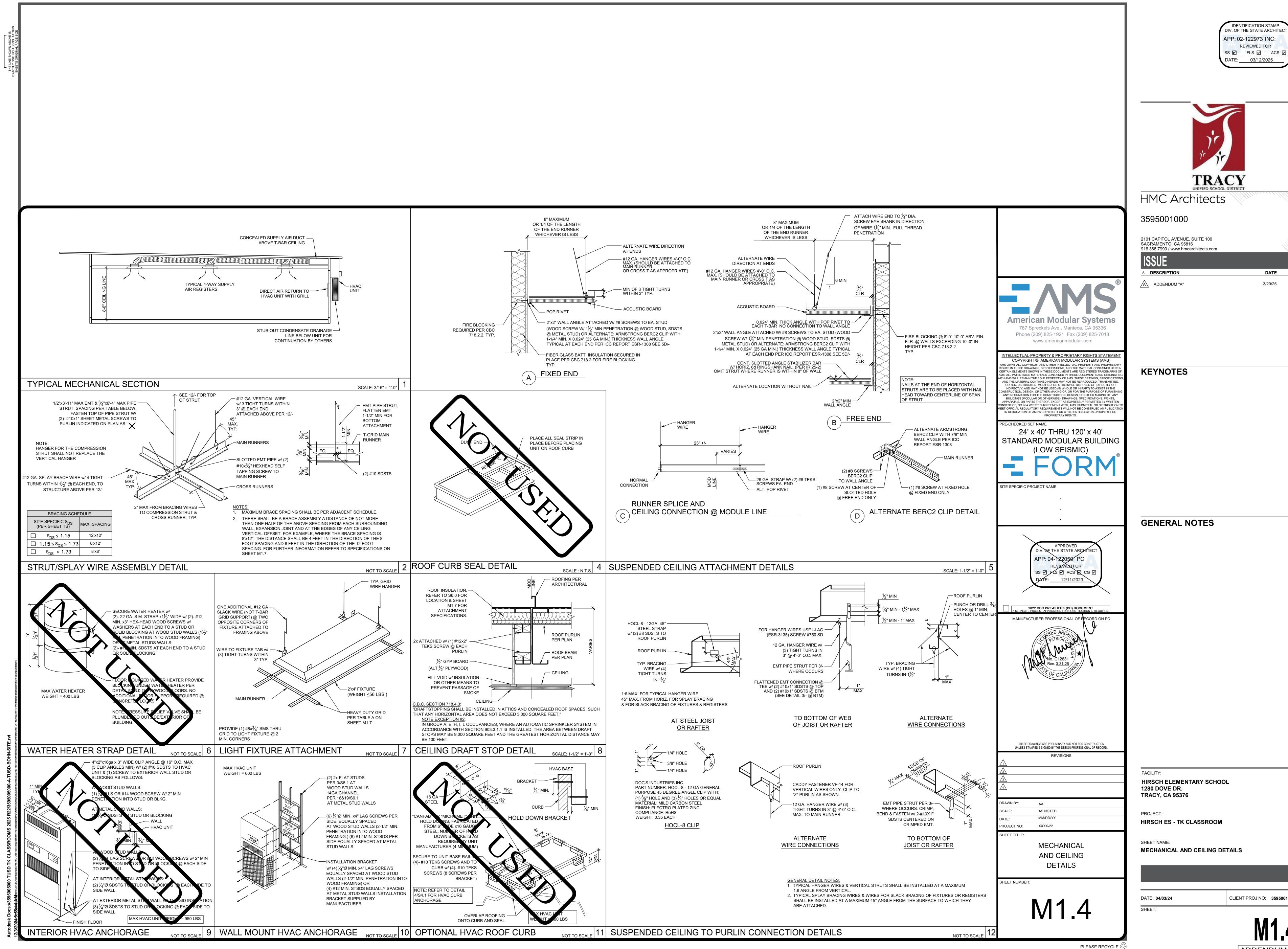
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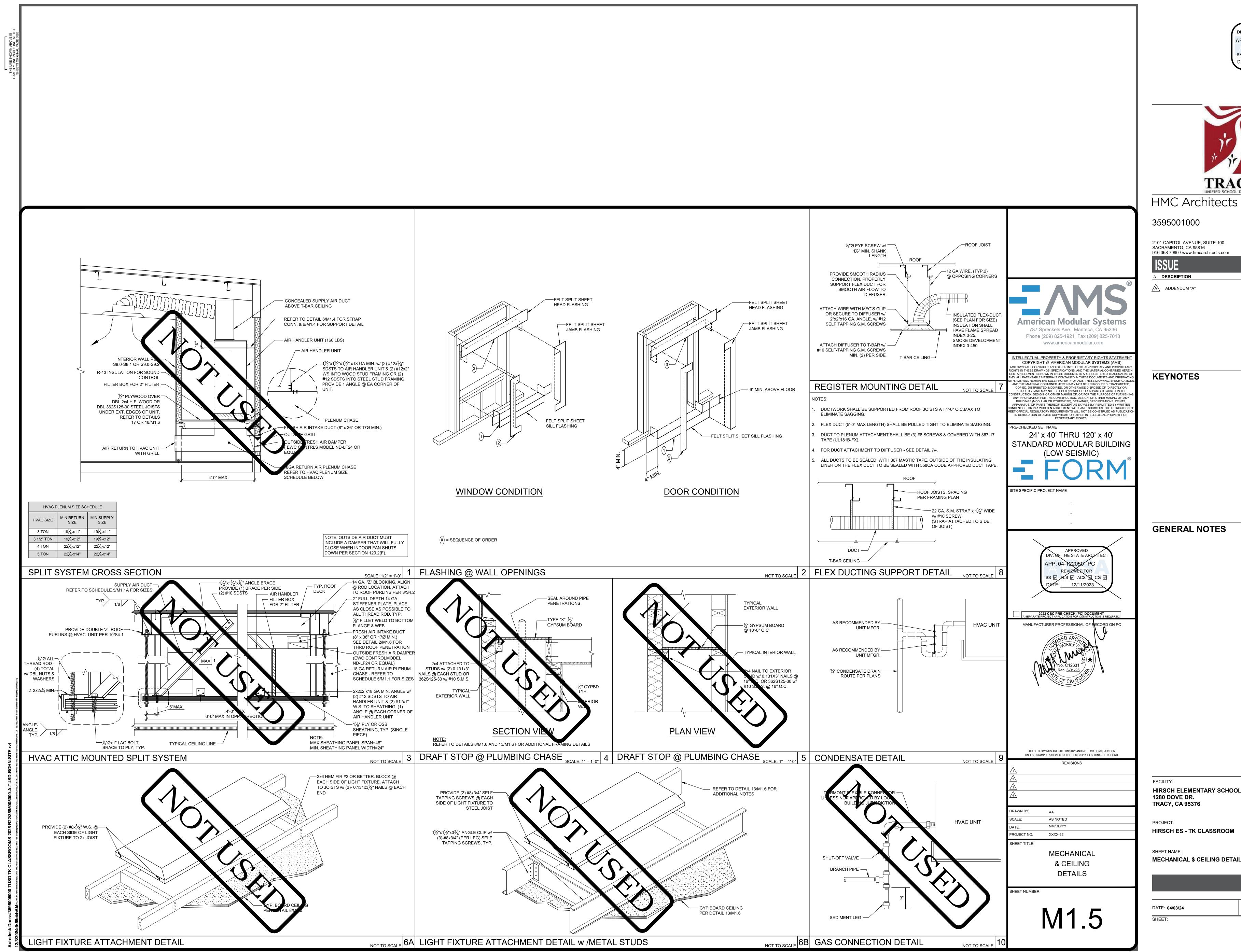
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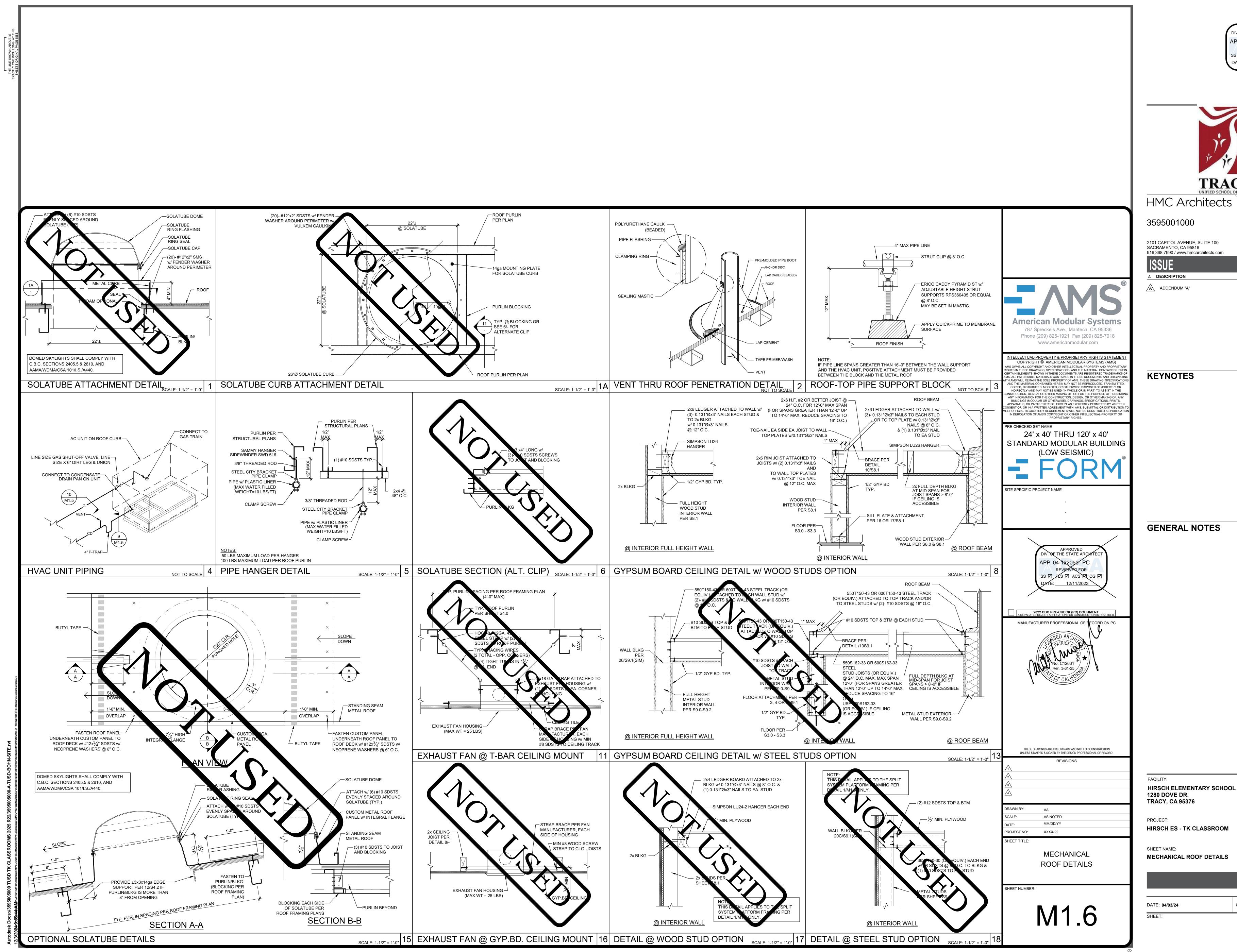
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MECHANICAL \$ CEILING DETAILS

CLIENT PROJ NO: 359500100 M1.5

ADDENDUM "A"



PLEASE RECYCLE



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MECHANICAL ROOF DETAILS

3/20/25

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24'x40' MINIMUM INSULATION SCHEDULE												
	WOOD STUDS	OD STUDS METAL STUDE		ROOF		FLOORS						
ZONE	WALL	WALL	BATTS	RIGID (w/SHEATHING)	RIGID (WO SHEATHING)	(NON-CONCRETE)	CONCRETE FLOORS					
1 & 16	R-13	R-5/R-13	R-19	R-15	R-15	R-13	R-5					
2 - 5	R-13	R-5/R-13	R-19	R-5	R-5	R-13	N/A					
6 -13	R-13	R-5/R-13	R-19	R-5	R-5	R-13	N/A					
14 & 15	R-13	R-5/R-13	R-19	R-5	R-5	R-13	THA _					

× 36'x40' MINIMUM INSULATION SCHEDULE													
	WOOD STUDS	METAL STUDS		ROOF		FLOORS (NON-CONCRETE)							
ZONE	WALL	WALL	BATTS	RIGID (w/SHEATHING)	RIGID (w/o SHEATHING)		CONCRETE FLOORS						
1 & 16	R-13	R-5/R-13	R-19	R-15	R-15	R-13	R-5						
2 - 5	R-13	R-5/R-13	R-19	R-5	R-5	R-13	N/A						
6 -13	R-13	R-5/R-13	R-19	R-5	R-5	R-13	N/A						
14 & 15	R-13	R-5/R-13	R-19	R-5	R-5	R-13	N/A						

<u> </u>														
	48'x40' MINIMUM INSULATION SCHEDULE													
$\square$	WOOD STUDS	METAL STUDS		ROOF		FLOORS								
ZONE	WALL	WALL	BATTS	RIGID (w/SHEATHING)	RIGID (w/o SHEATHING)	(NON-CONCRETE)	CONCRETE FLOORS							
1 & 16	R-13	R-5/R-13	R-19	R-15	R-15	R-13	R-6							
2 - 5	R-13	R-5/R-13	R-19	R-5	R-5	R-13	N/A							
6 -13	R-13	R-5/R-13	R-19	R-5	R-5	R-13	N/A							
14 & 15	R-13	R-5/R-13	R-19	R-5	R-5	R-13	N/A							

									/																
	60'x40' MINIMUM INSULATION SCHEDULE																								
	WOOD																			ETAL STUDS		ROOF		FLOORS	
ZONE	WOOD (		IVI	WALL	BATTS	RIGID (w/SHEATHING)	RIGID (w/o SHEATHING)	(NON-CONCRETE)	CONCRETE FLOORS																
1 & 16	R-1	3		R-5/R-13	R-19	R-15	R-15	R-13	R-5																
2 - 5	R-1	3		R-5/R-13	R-19	R-5	R-5	R-13	N/A																
6 -13	R-1	3		R-5/R-13	R-19	R-5	R-5	F=13	N/A																
14 & 15	R-1	3		R- <b>5</b> /R-13	R-19	R-5	R-5	R-13	N/A																

72'x40' MINIMUM INSULATION SCHEDULE												
	WOOD STUDS	METAL STUDS		ROOF		FLOORS						
ZONE	WALL	WALL	BATTS	RIGID (w/SHEATHING)	RIGID (w/o SHEATHING	(NON-CONCRETE)	CONCRETE FLOORS					
1 & 16	R-13	R-5/R-13	R-19	R-15	R-15	R-13	R-5					
2 - 5	R-13	R-5/R-13	R 19	R-5	R-5	R-13	N/A					
6 -13	R-13	R-5/R-13	R-19	R-5	<b>F</b> -5	R-13	N/A					
14 & 15	R-13	R-5/R-13	R-19	R-5	R-5	R-13	N/A					

	84'x	40' MIN	IMUM	NSULA		SCHEDULE		
	WOOD STUDS	METAL STUDS		ROOF		FLOORS		
ZONE	WALL	WALL	BATTS	RGID (w/SHEATHING)	RIGID (w/o SHEATHING)	(NON-CONCRETE)	CONCRETE FLOORS	
1 & 16	R-13	R-5/R-13	R-19	R-13	R-15	R-13	R-15	
2 - 5	R-13	R-5/R-13	R-19	R-5	R-5	R-13	N/A	
6 -13	R-13	R-5/R-13	R-19	R-5	R-5	R-13	N/A	
14 & 15	R-13	R-5/R-13	R-19	R-5	R-5	R-13	N/A	
	-	-	/		$\overline{)}$			

			/					
	96'x	40' MIN	ΙМОМ	INSULA	атіри з	SCHEDULE		
	WOOD STUDS	METAL STUDS		ROOF		FLOORS		
ZONE	WALL	WALL	BATTS	RIGID (w/SHEATHING)	RIGID (₩o SHEATHING)	(NON-CONCRETE)	CONCRETE FLOORS	
1 & 16	R-13	R-5/R-13	R-19	R-15	R-15	R-13	R-5	
2 - 5	R-13	R-5/R-13	R-19	R-5	R-5	R-13	N/A	
6 -13	R-13	R-5/R-13	R-19	R-5	R-5	R-13	N/A	
14 & 15	R-13	R-5/R-13	R-19	R-5	R-5	R-13	N/A	

	108':	x40 <sup>/</sup> MIN	NIMUM	INSUL	ATION	SCHEDULE	Ξ
	WOOD STUDS	METAL STUDS		ROOF		FLOORS	
ZONE	WALL	WALL	BATTS	RIGID (w/SHEATHING)	RIGID (w/o SHEATHING)	(NON-CONORETE)	CONCRETE FLOORS
1 & 16	R-13	R-5/R-13	R-19	R-15	R-15	R-13	R-15
2 - 5	R-13	R-5/R-13	R-19	R-5	R-5	R-13	N/A
6 -13	R-17	R-5/R-13	R-19	R-5	R-5	R-13	N/A
14 & 15	14 & 15 R 13 R-5/R-13			R-19 R-5 R-5		R-13	N/A
							7

	/ 120'>	x40' MIN	NIMUM	INSUL	ATION	SCHEDULE	
	WOOD STUDS	METAL STUDS		ROOF		FLOORS	
ZONE	WALL	WALL	BATTS	RIGID (w/SHEATHING)	RIGID (w/o SHEATHING)	(NON-CONCRETE)	CONCRETE FLOORS
1 & 16	R-13	R-5/R-13	R-19	R-15	R-15	R-13	R-5
2-5	R-13	R-5/R-13	R-19	R-5	R-5	R-13	N/A
6 -13	R-13	R-5/R-13	R-19	R-5	R-5	R-13	N/A
14 & 15	R-13	R-5/R-13	R-19	R-5	R-5	R-13	N/A

ADDITIONAL HVAC NOTES:

MANUAL OVERRIDE CONTROLS ARE A MANDATORY MEASURE UNDER ENERGY CODE SECTION 120.2(e). ALL HVAC SYSTEMS SHALL HAVE A MANUAL OVERRIDE ACCESSIBLE TO THE OCCUPANTS THAT ALLOWS THEM TO TURN ON THE HVAC SYSTEM DURING NORMAL UNOCCUPIED TIMES. THIS CAN BE A MANUAL OVERRIDE FOR UP TO 4 HOURS, OCCUPANCY SENSOR, OR A 4 HOUR MANUALLY OPERATED TIMER.

### SUSPENDED LAY-IN PANEL CEILING: PER DSA IR 25-2

#### 1. CEILING SYSTEM GENERAL NOTES

#### 1.01 CEILING SYSTEM COMPONENTS SHALL COMPLY WITH ASTM C635 AND SECTION 5.1 OF ASTM E580.

- 1.02 THE CEILING GRID SYSTEM MUST BE RATED HEAVY DUTY AS DEFINED BY ASTM C635.
- 1.03 CEILING SYSTEMS. THE FOLLOWING CEILING SYSTEM(S) IS/ARE PART OF THE SCOPE OF THIS PROJECT: MANUFACTURER: ARMSTONG (OR EQUAL)
- PRODUCT NAME: PRELUDE XL AND PRELUDE XL HIGH RECYLED CONTENT(HRC) ICC
- EVALUATION REPORT TYPE AND NUMBER: ESR#1308
- MAIN RUNNER PART, MODEL, OR CATALOG NUMBER: 7301
- CROSS RUNNER PART, MODEL, CATALOG NUMBER: 4' CROSS T # XL7341 & 2' CROSS T # XL8320
- 1.04 SEISMIC WALL CLIP: BERC2 CLIP MANUFACTURER'S MODEL: 7810
- 1.05 CEILING PANELS SHALL NOT SUPPORT ANY LUMINARIES, AIR TERMINALS OR DEVICES.
- 1.06 FOR CEILING INSTALLATIONS UTILIZING ACOUSTICAL TILE PANELS OF MINERAL OR GLASS FIBER, IT IS NOT MANDATORY TO PROVIDE <sup>3</sup>/<sub>4</sub>" CLEARANCE BETWEEN THE ACOUSTICAL TILE PANELS AND THE WALL ON THE SIDES OF THE CEILING WHICH ARE FREE TO SLIP. FOR ALL OTHER CEILING PANEL TYPES, PROVIDE ¾" CLEARANCE BETWEEN
- THE CEILING PANEL AND THE WALL ON THE SIDES OF THE CEILING FREE TO SLIP. CLEARANCE BETWEEN CEILING GRID RUNNERS/MEMBERS AND WALLS SHALL COMPLY WITH THE DETAILS ON THESE DRAWINGS REGARDLESS OF CEILING TILE MATERIAL.
- 2. MATERIALS
- 2.01 CEILING WIRE SHALL BE CLASS 1 ZINC COATED (GALVANIZED) CARBON STEEL CONFORMING TO ASTM A641. WIRE SHALL BE #12 GAUGE (0.106" DIAMETER) WITH SOFT TEMPER AND MINIMUM ULTIMATE TENSILE
- STRENGTH = 70 KSI. 2.02 GALVANIZED SHEET STEEL (INCLUDING THAT USED FOR METAL STUD AND TRACK COMPRESSION STRUTS/POST) SHALL CONFORM TO ASTM A653, OR OTHER EQUIVALENT SHEET STEEL LISTED IN SECTION A3.1 OF THE NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, (AISI S100). MATERIAL 43 MIL (18 GAUGE) AND LIGHTER SHALL HAVE MINIMUM YIELD STRENGTH OF 33 KSI. MATERIAL 54 MIL (16
- GAUGE) AND HEAVIER SHALL HAVE A MINIMUM YIELD STRENGTH OF 50 KSI. 2.03 ELECTRICAL METALLIC TUBE (EMT) SHALL BE ANSI C80.3/UL 797 CARBON STEEL WITH G90 GALVANIZING. EMT SHALL HAVE MINIMUM YIELD STRENGTH (FY) OF 30 KSI AND MINIMUM ULTIMATE STRENGTH (FU) OF 48 KSI.
- 3. ATTACHMENT OF HANGER AND BRACING WIRES
- 3.01 SEPARATE ALL CEILING HANGER AND BRACING WIRES AT LEAST 6 INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT, ETC.
- 3.02 HANGER AND BRACING WIRES SHALL NOT ATTACH TO OR BEND AROUND OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO PIPING, DUCTWORK, CONDUIT AND EQUIPMENT.
- 3.03 HANGER WIRES THAT ARE MORE THAN ONE (HORIZONTAL) IN SIX (VERTICAL) OUT OF PLUMB SHALL HAVE COUNTER-SLOPING WIRES.
- 3.04 SLACK SAFETY WIRES SHALL BE CONSIDERED HANGER WIRES FOR INSTALLATION AND TESTING REQUIREMENTS.
- 3.05 HANGER AND BRACING WIRE ANCHORAGE TO THE STRUCTURE SHALL BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE ANCHORAGE ALIGNS CLOSELY WITH THE DIRECTION OF THE WIRE (E.G., BRACING WIRE CEILING CLIPS MUST BE BENT AS SHOWN IN THE DETAILS AND ROTATED AS REQUIRED TO ALIGN CLOSELY WITH THE DIRECTION OF THE WIRE, SCREW EYES IN WOOD MUST BE INSTALLED SO THEY ALIGN CLOSELY WITH THE DIRECTION OF THE WIRE, ETC.). 4. FASTENERS AND WELDING
- 4.01 SHEET METAL SCREWS SHALL COMPLY WITH ASTM C1513 AND ASME B18.6.3.
- PENETRATION OF SCREWS THROUGH JOINED MATERIAL SHALL NOT BE LESS THAN THREE EXPOSED THREADS.

### 4.02 N/A

4.03 N/A

- 4.04 IF NOT OTHERWISE SPECIFIED IN THE EVALUATION REPORT, POWER-ACTUATED FASTENERS INSTALLED IN STEEL SHALL BE INSTALLED SO THE ENTIRE POINTED END OF THE FASTENER IS DRIVEN THROUGH THE STEEL MEMBER
- 4.05 POWER-ACTUATED FASTENERS IN CONCRETE OR MASONRY ARE NOT PERMITTED FOR

# BRACING WIRES.

- 4.06 CONCRETE REINFORCEMENT AND PRE-STRESSING TENDONS SHALL BE LOCATED BY NON-DESTRUCTIVE MEANS PRIOR TO INSTALLING POST-INSTALLED ANCHORS.
- 4.07 WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3 USING E60XX SERIES ELECTRODES.
- 5. TESTING

#### 5.01 ALL FIELD TESTING MUST BE PERFORMED IN THE PRESENCE OF THE PROJECT INSPECTOR.

- 5.02 POST-INSTALLED ANCHORS IN CONCRETE USED TO SUPPORT HANGER WIRES SHALL BE
- TESTED AT A FREQUENCY OF 10 PERCENT. POWER-ACTUATED FASTENERS IN CONCRETE SHALL BE FIELD TESTED FOR 200 POUNDS IN TENSION. ALL OTHER POST-INSTALLED ANCHORS IN CONCRETE SHALL BE TESTED IN ACCORDANCE WITH CBC SECTION 1910A.5.
- 5.03 POST-INSTALLED ANCHORS IN CONCRETE USED TO ATTACH BRACING WIRES SHALL BE TESTED AT A FREQUENCY OF 50 PERCENT IN ACCORDANCE WITH CBC SECTION 1910A.5.
- 6. LUMINARIES
- 6.01 ALL LUMINARIES SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION SYSTEMS BY
- MECHANICAL MEANS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE LUMINARIES. A MINIMUM OF TWO SCREWS OR APPROVED FASTENERS ARE REQUIRED AT EACH LUMINARIES, PER ASTM E580 SECTION 5.3.1.
- 6.02 SURFACE-MOUNTED LUMINARIES SHALL BE ATTACHED TO THE MAIN RUNNER WITH AT LEAST TWO POSITIVE CLAMPING DEVICES. THE CLAMPING DEVICE SHALL COMPLETELY SURROUND
- THE SUPPORTING CEILING RUNNER AND BE MADE OF STEEL WITH A MINIMUM THICKNESS OF #14 GAUGE. ROTATIONAL SPRING CATCHES DO NOT COMPLY. A #12 GAUGE SLACK SAFETY WIRE SHALL BE CONNECTED FROM EACH CLAMPING
- DEVICE TO THE STRUCTURE ABOVE. PROVIDE ADDITIONAL SUPPORTS WHEN A LUMINARY IS 8 FEET OR LONGER OR EXCEEDS 56 POUNDS. MAXIMUM SPACING BETWEEN SUPPORTS SHALL NOT EXCEED 8 FEET.
- 6.03 LUMINARIES WEIGHING LESS THAN OR EQUAL TO 10 POUNDS MAY BE SUPPORTED DIRECTLY ON THE CEILING RUNNERS, SHALL HAVE A MINIMUM OF ONE #12 GAUGE SLACK SAFETY WIRE CONNECTED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE.
- 6.04 LUMINARIES WEIGHING GREATER THAN 10 POUNDS BUT LESS THAN OR EQUAL TO 56
- POUNDS MAY BE SUPPORTED DIRECTLY ON THE CEILING RUNNERS, BUT THEY SHALL
- HAVE A MINIMUM OF TWO #12GAUGE SLACK SAFETY WIRES CONNECTED FROM THE FIXTURE HOUSING AT DIAGONAL CORNERS TO THE STRUCTURE ABOVE.
- **EXCEPTION:** ALL LUMINARIES GREATER THAN TWO BY FOUR FEET WEIGHING LESS THAN 56 POUNDS SHALL HAVE A #12 GAUGE SLACK SAFETY WIRE AT EACH CORNER.
- 6.05 ALL LUMINARIES WEIGHING GREATER THAN 56 POUNDS SHALL BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN FOUR TAUT #12 GAUGE HANGER WIRES (ONE AT EACH CORNER) ATTACHED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE OR OTHER APPROVED HANGERS. THE FOUR TAUT #12 GAUGE WIRES OR OTHER APPROVED HANGERS, INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE, SHALL BE CAPABLE OF SUPPORTING FOUR TIMES THE WEIGHT OF THE FIXTURE.

- 7. SERVICES WITHIN THE CEILING
- COMPONENT.

- 8. OTHER DEVICES WITHIN THE CEILING

	TABLE A - HEAVY DUTY GRID COMPONENTS													
MANUFACTURER	MAIN TEE	H.D. 4' CROSS TEE	H.D. 2' CROSS TEE	RUNNER SPLICE DETAIL	SEISMIC WALL CLIPS	ICBO ER REPORT								
DONN/USG	DX-26	DX-424	DX-216	5C/M1.4	BERC2	ICC-ESR-1222								
ARMSTRONG	7301	XL7341	XL8320	5C/M1.4	BERC2	ICC-ESR-1308								
CHICAGO/ROCKFON	200.01	1274.01	1202.01	5C/M1.4	BERC2	ICC-ESR-2631								

#### NOTES: 1. ALL GRID COMPONENTS SHALL BE BY THE SAME MANUFACTURER 2. REFER TO 'A' DETAIL 5/M1.4 FOR BERC2 CLIP DETAIL

3595001000

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A ADDENDUM "A"

**DESCRIPTION** 

**KEYNOTES** 

**GENERAL NOTES** 

FACILITY: **HIRSCH ELEMENTARY SCHOOL** 1280 DOVE DR. **TRACY, CA 95376** 

PROJECT:

SHEET NAME:

DATE: 04/03/24 SHEET:

7.01 ALL FLEXIBLE SPRINKLER HOSE FITTING MOUNTING BRACKETS, CEILING-MOUNTED AIR

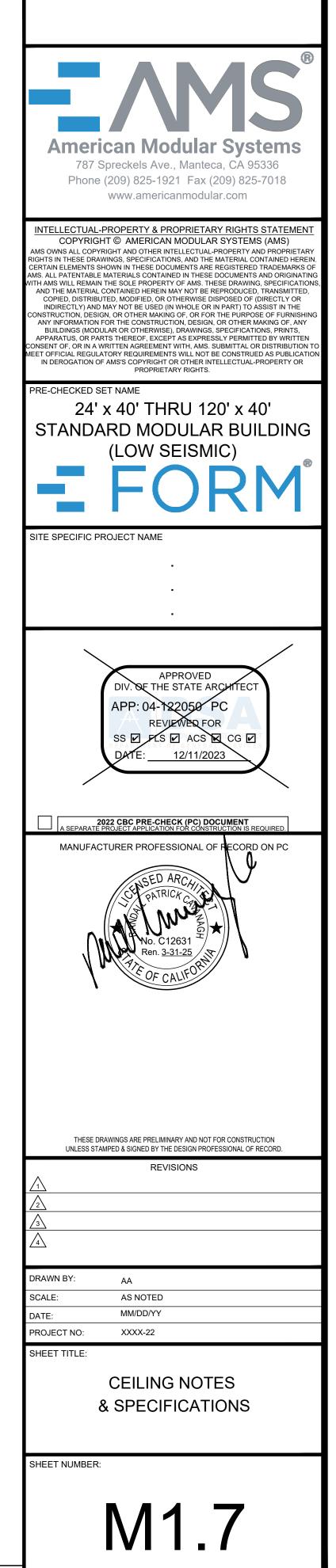
TERMINALS OR OTHER SERVICES SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION SYSTEMS BY MECHANICAL MEANS. SCREWS OR APPROVED FASTENERS ARE REQUIRED. A MINIMUM OF TWO ATTACHMENTS ARE REQUIRED AT EACH

7.02 CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES WEIGHING LESS THAN OR EQUAL TO 20 POUNDS SHALL HAVE ONE #12 GAUGE SLACK SAFETY WIRE ATTACHED FROM THE TERMINAL OR SERVICE TO THE STRUCTURE ABOVE. 7.03 FLEXIBLE SPRINKLER HOSE FITTINGS, CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES WEIGHING MORE THAN 20 POUNDS BUT LESS THAN OR EQUAL TO 56 POUNDS SHALL HAVE TWO #12 GAUGE SLACK SAFETY WIRES (AT DIAGONAL CORNERS) CONNECTED FROM THE TERMINAL OR SERVICE TO THE STRUCTURE ABOVE.

7.04 FLEXIBLE SPRINKLER HOSE FITTINGS, CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES WEIGHING MORE THAN 56 POUNDS SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE BY NOT LESS THAN FOUR TAUT #12 GAUGE HANGER WIRES ATTACHED FROM THE TERMINAL OR SERVICE TO THE STRUCTURE ABOVE OR OTHER APPROVED HANGERS.

8.01 ALL LIGHTWEIGHT MISCELLANEOUS DEVICES, SUCH AS STROBE LIGHTS, OCCUPANCY

SENSORS, SPEAKERS, EXIT SIGNS, ETC., SHALL BE ATTACHED TO THE CEILING GRID. IN ADDITION, DEVICES WEIGHING MORE THAN10 POUNDS SHALL HAVE A #12 GAUGE SLACK SAFETY WIRE ANCHORED TO THE STRUCTURE ABOVE. DEVICES WEIGHING MORE THAN 20 POUNDS SHALL BE SUPPORTED INDEPENDENTLY FROM THE STRUCTURE ABOVE.





CLIENT PROJ NO: 3595001000

**CEILING NOTES & SPECIFICATIONS** 

HIRSCH ES - TK CLASSROOM



DATE

3/20/25

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-122973 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 03/12/2025

HE/	ATING VENTILATING AND AIR CONDITIONING (HVAC)	
1.	HEAT PUMP: SINGLE PACKAGE WALL-MOUNTED AIR-TO-AIR ELECTRIC HEAT PUMP UNIT SHALL BE RATED IN ACCORDANCE WITH A.R.I. STANDARD 240-77. MAXIMUM AC SIZE FOR THIS BUILDING WILL BE A 5-TON UNIT. ALL UNITS SHALL BE 230/208 VOLT, 1 PHASE SYSTEM, UL TESTED & APPROVED OR COMPARABLE, AND MEET CURRENT ENERGY STANDARDS.	
	<ul> <li>A. THE SYSTEM SHALL MAINTAIN AN AUTOMATICALLY CONTROLLED INDOOR CLASSROOM TEMPERATURE OF 78 DEGREES F. WHEN THE OUTDOOR DRY BULB TEMPERATURE VARIES BETWEEN 100 DEGREES F. IN THE SUMMER</li> <li>B. THE SYSTEM MUST MAINTAIN THE ABOVE TEMPERATURE WHEN THE DAMPER IS ADJUSTED TO USE APPROXIMATELY ONE-THIRD FRESH AIR.</li> </ul>	
2.	DUCTWORK	
	A. CONSTRUCT ALL DUCTWORK OF GALVANIZED SHEET METAL IN ACCORDANCE WITH C.M.C., ASHRAE GUIDE EQUIPMENT VOLUME, AND SMACNA LOW VELOCITY DUCT CONSTRUCTION MANUAL, LATEST EDITIONS. ALL DUCTWORK SHALL BE INSULATED WITH 1" THICK FIBERGLASS DUCT WRAP WITH VAPOR BARRIER. PROVIDE 1" DUCT ATTENUATION AT ALL DUCTWORK WITHIN 2'-0" OF HVAC UNIT.	
	B. NON-METALLIC DUCTWORK OPTION: IN ACCESSIBLE CONCEALED PORTIONS OF DUCT SYSTEM, RIGID 1" FIBERGLASS OR INSULATED FLEX-DUCT WITH VAPOR BARRIER MAY BE SUBSTITUTED FOR SHEET METAL DUCTWORK. ALL DUCTWORK WITHIN 2'-0" OF THE HVAC UNIT AND ALL INTERFACE CONNECTIONS SHALL BE	
	<ul> <li>METAL. DUCTWORK AND REINFORCEMENT SHALL BE DESIGNED FOR 2" STATIC PRESSURE. REFERENCE BRANDS: OWENS-CORNING FIBERGLASS DUCTBOARD, 1" THICK, AND MICRO-AIRE TYPE 475. NON-METALLIC DUCTWORK SHALL CONFORM TO NFPA 90-A AND SMACNA CLASS 1 RATING.</li> <li>C. DUCT INSTALLATION AND PLENUMS SHALL MEET THE REQUIREMENTS OF ENERGY CODE SECTION 120.4 AND</li> </ul>	
	THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. (MINIMUM R=4.2) HORIZONTAL FLEX DUCT SHALL BE SUPPORTED AT A MAXIMUM 4' INTERVALS, WITH HANGING STRAPS A MINIMUM 1-1/2" WIDE. DUCTS MUST BE PULLED TIGHTS WITH A MAXIMUM SAG OF 1/2" PER FOOT OF HORIZONTAL RUN. DUCTS SHALL NOT BE KINKED OR CRUSHED. BEND/RADIUS EQUAL TO THE DUCT DIAMETER OR GREATER.	
	<ul> <li>D. SIZES OF SUPPLY AND RETURN DUCTS SHALL BE SPECIFIED ON PLANS. HVAC CURB SUPPLY AND RETURN DUCTS SHALL BE THE SAME SIZE AND ALLIGN WITH THE HVAC UNIT.</li> <li>E. FLEXIBLE AIR DUCTS AND CONNECTORS SHALL BE NOT MORE THAN 5 FEET IN LENGTH AND SHALL NOT BE USED IN LIEU OF RIGID ELBOWS OR FITTINGS. FLEXIBLE AIR DUCTS SHALL BE PERMITTED TO BE USED AS AN</li> </ul>	
3.	ELBOW AT A TERMINAL DEVICE PER ENERGY CODE 120.4 AND CMC 603.4.1 AIR DUCT INSULATION AND LININGS SHALL COMPLY WITH FLAME SPREAD LESS THAN OR EQUAL TO 25, SMOKE	
4.	GENERATION LESS THAN OR EQUAL TO 50. SUPPLY AIR DIFFUSERS SHALL BE 675 CFM MAXIMUM, 12" ROUND. 1" FIBERGLASS OR FLEXDUCT DUCTWORK SPECIFICALLY DESIGNED TO PROVIDE AIR THERMAL COOLING SYSTEMS. 24"X8"X1" MICRO-AIRE TYPE #475	
5.	OWENS-CORNING, KNAUF, CERTAINTEED, OR EQUAL AND 90-B: UL #131 TEST, CLASS 1 RATING WITH "SMACNA". REGISTERS AND DIFFUSERS: PROVIDE THREE (MINIMUM) 4-WAY THROW AIR DIFFUSERS AS MANUFACTURED BY CARNES, TITUS, HART AND COOLEY, METALAIRE, SHOEMAKER, BARBER-COLEMAN OR KRUEGER COMMERCIAL	
6.	GRADE GRILLS AND REGISTERS. AIR CONDITIONING CONTROLS: PROVIDE ELECTRONIC PROGRAMMABLE THERMOSTAT. THERMOSTAT SHALL BE PROGRAMMED WITH EXPECTED OCCUPIED TIMERS. AIR HANDLER FAN WILL BE PROGRAMMED TO RUN DURING ALL	
	OCCUPIED TIMES. PRE-OCCUPANCY PURGE SHALL BE PROGRAMMED ONE HOUR PRIOR TO THE MODULAR BUILDING BEING NORMALLY OCCUPIED. THERMOSTAT SHALL HAVE THE FOLLOWING FUNCTIONS: C. 5 AND 2 WEEKDAY/WEEKEND PROGRAMMING DAYS WITH 4 SEPARATE TIME/TEMPERATURE SETTINGS FOR A	
	24-HOUR PERIOD. D. KEY BOARD LOCKOUT SWITCH. E. PROGRAMMABLE DISPLAY. F. 2-HOUR OVERRIDE MINIMUM.	
	<ul> <li>G. STATUS INDICATED LED'S.</li> <li>H. BATTERY BACK-UP.</li> <li>I. PROVIDE LOCKING CLEAR THERMOSTAT COVER WITH THERMOSTAT COVER WITH ACCESS HOLE FOR PROGRAM OVERRIDE. WHITE RODGERS IF92-371. MOUNT TOP OF BOX @ 48" A.F.F. MAX.</li> </ul>	
7.	(WHERE SEALED, SETTINGS & ADJUSTMENTS CAN BE DONE BY SERVICE PERSONNEL ONLY.) THERMAL INSULATION	
	<ul> <li>A. ROOF INSULATION: R-19 WITH 22 GA. WIRE @ 16" O.C. &amp; R-5 OR R-15 (REFER TO INSULATION TABLES IN PAGE M1.7) TOP OF ROOF SHEATHING.</li> <li>B. WALLS INSULATION: R-13 KRAFT FACED. (R-5 INSULATION OVER INTERIOR SIDE METAL FRAMED WALLS) 17/A5.1 AND 17/A5.3</li> </ul>	
	<ul> <li>C. NON-CONCRETE FLOORS INSULATION: R-13</li> <li>D. CONCRETE FLOORS INSULATION: R-5 OR R-15 (REFER TO INSULATION TABLES IN PAGE M1.7)</li> <li>F. BURNING CHARACTERISTICS: FLAME SPREAD LESS THAN 25 &amp; SMOKE DEVELOPMENT IS LESS THAN 50</li> <li>E. FLAME SPREAD AND SMOKE DEVELOPMENT SHALL CONFORM TO CALIFORNIA BUILDING CODE SEC. 720.</li> </ul>	
8.	FACTORY-MADE AIR DUCTS A. FACTORY-MADE AIR DUCTS SHALL BE APPROVED FOR THE USE INTENDED OR SHALL CONFORM TO THE	
	REQUIREMENTS OF C.M.C. SECTION 601.0. B. EACH PORTION OF A FACTORY-MADE AIR DUCT SYSTEM SHALL BE IDENTIFIED BY THE MANUFACTURER WITH A LABEL OR OTHER SUITABLE IDENTIFICATION INDICATING COMPLIANCE WITH C.M.C. SECTION 601.0 AND ITS CLASS DESIGNATION. THESE DUCTS SHALL BE LISTED AND SHALL BE INSTALLED IN ACCORDANCE WITH THE	
	<ul> <li>TERMS OF THEIR LISTING AND THE REQUIREMENTS OF C.M.C. SECTION 601.0.</li> <li>DUCT SUPPORT FLEX DUCT TO BE SUPPORTED WITH 1-1/2" WIDE X26 GA. GALV. STRAP @ MAX 4'-0" O.C. ATTACH TO RAFTER WITH TWO #8 S.M.S. @ EACH END.</li> <li>D. SUPPLY AIR PLENUM TO BE SUPPORTED WITH 1-1/2" WIDE X26 GA. GALV. STRAPS MINIMUM 2 PER PLENUM.</li> </ul>	
	<ul> <li>E. SUPPLY AIR BOX AND DIFFUSERS TO BE SUPPORTED WITH (2) 12 GA. HANGER WIRES TO BOX @ OPPOSITE CORNERS.</li> <li>F. SUPPLY AIR BOX AND DIFFUSERS TO BE BRACED WITH (2) 12 GA. SLACK WIRES TO BOX @ OPPOSITE CORNERS. ATTACH SUPPLY AIR DIFFUSERS TO CEILING GRID TO RESIST A LATERAL LOAD EQUAL TO THE WEIGHT OF THE</li> </ul>	
9.	FIREBLOCKING SHALL BE PROVIDED IN THE FOLLOWING LOCATIONS: A. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES;	
	<ul> <li>A. IN CONCEALED SPACES OF STOD WALLS AND PARTITIONS, INCLODING FORRED SPACES,</li> <li>B. AT THE CEILING AND FLOOR LEVELS;</li> <li>C. AND AT 10-FOOT (3048MM) INTERVALS BOTH VERTICAL AND HORIZONTAL. REFERENCE 2022 CBC SECTION 718.</li> </ul>	
10.	THE INTERIOR ENVIRONMENT SHALL BE ASSEMBLED WITH PRODUCTS THAT CONTRIBUTE TO A HEALTHY INDOOR AIR QUALITY (IAQ). THE FOLLOWING SHALL COMPLY TITLE 24, PART 11 ("CAL-GREEN"), SECTION 5.504.4. (SEE SHEET N1.0, SECTION 9C "INTERIOR AIR QUALITY CONTROL")	
11.	HVAC FILTER A. FILTERS SHALL HAVE A "MINIMUM EFFICIENCY REPORTING VALUE" OF 13 WITH 2" DEPTH MIN. (MERV 13) AND SHALL BE INSTALLED PRIOR TO OCCUPANCY AND RECOMMENDATIONS FOR MAINTENANCE WITH FILTERS OF	
	<ul> <li>THE SAME VALUE SHALL BE INCLUDED IN THE OPERATION AND MAINTENANCE MANUAL, PER 2022 CEC SECTION 5.504.5.3</li> <li>D. INSTALLED FILTERS SHALL BE CLEARLY LABELED BY THE MANUFACTURER INCLUDING THE MERV RATING, PER 2022 CBC SECTION 5.504.5.3.1</li> </ul>	
10.	ROOF MOUNTED HVAC A. A GASKET SHALL BE PLACED BETWEEN THE CURB AND THE HVAC UNIT. MASTIC SEALANT SHALL BE USED TO SEAL ALL SEAMS BETWEEN THE HVAC UNIT AND DUCTS.	
13.	HVAC CONTROLS A. THERMOSTAT (BY OTHERS) WILL BE PROGRAMMED WHEN THE MODULAR BUILDING IS PLACED ON A SITE TO ENSURE THE MINIMUM AIR RATE WILL BE SUPPLIED TO THE SPACE AT ALL USUALLY OCCUPIED TIMES AND PROGRAMMED TO PROVIDE A PRE-OCCUPANCY PURGE ONE HOUR PRIOR TO THE MODULAR BUILDING BEING NORMALLY OCCUPIED PER ENERGY CODE 120.1(C)1.	
	UPON SITE PLACEMENT OR SITE CONSTRUCTION, THE OPERATION AND MAINTENANCE DOCUMENTATION FOR ALL	

#### TING VENTILATING AND AIR CONDITIONING (HVAC) continued

THE CALIFORNIA ENERGY CODE 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY NSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE.

LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROL ACCEPTANCE TEST TECHNICIAN (ATT). MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021. ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT.

LISTING OF CERTIFIED ATT'S CAN BE FOUND AT:

TPS://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-ROVIDER-PROGRAM/ACCEPTANCE. HE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE JILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF PROJECT INSPECTORS WILL

E COLLECTING THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.

HERMOSTAT SHALL BE PROGRAMMED TO PREVENT SUPPLEMENTARY HEATER OPERATION WHEN THE HEATING LOAD AN BE MET BY THE HEAT PUMP ALONE. THE CUT-ON TEMPERATURE FOR COMPRESSION HEATING MUST BE HIGHER HAN THE CUT-ON TEMPERATURE FOR SUPPLEMENTARY HEATING, AND THE CUT-OFF TEMPERATURE FOR OMPRESSION HEATING MUST BE HIGHER THAN THE CUT-OFF TEMPERATURE FOR SUPPLEMENTARY HEATING PER EC 2022 SECTION 110.2(B).

### HVAC NOTES (CONTINUATION)

H2 FAI	N SYSTEMS
BUILDING SIZE	DESIGN OA
BUILDING SIZE	CFM
24'x40'	365
36'x40'	547
48'x40'	365
60'X40'	456
72'x40'	547
84'x40'	365
96'x40'	365

HVAC CFM CHART											
	MODEL #	DESCRIPTION	MAX. CFM	UNIT WEIGHT (LBS)	EER						
SYSTEM AIR	CAH-3	4 TON HEAT PUMP	1600	948	11						
INDOOR	CAH-5	5 TON HEAT PUMP	1800	948	11						
	HVA	C CFM CH	ART								

		HVAC CFM	I CHA	RT			
	MODEL #	DESCRIPTION	MAX. CFM	MAX. CFM UNIT WEIGHT (LBS)		COP	CLIMATE ZONE(S)
	W36HB	3 TON HEAT PUMP	1143	500	11	<del>3.3</del>	1-16
BARD WALL	W42HC	3 <sup>1</sup> / <sub>2</sub> TON HEAT PUMP	1140	500	11	3.3	1-16
HUNG	W48HC	4 TON HEAT PUMP	1650	505	11	3.3	1-16
	W60HC	$4\frac{1}{2}$ TON HEAT PUMP	1855	515	11	3.3	1-16

		HVAC CFM	CHA	RT			
	MODEL #		MAX. CFM	UNIT WEIGHT	EER	SEER	CLIMATE ZONE(S)
	50VT-C363TP	3 TON HEAT PUMP	1200	371	12.0	14.5	1-16
CARRIER ROOF	50VT-C423TP	3% TON HEAT PUMP	1400	412	12.0	14.5	1-16
MOUNT	50VT-C <del>48</del> 3TP	4 TON HEAT PUMP	1600	432	- 12.0	14.5	1-16
	50VT-C603TP	$4\frac{1}{2}$ TON HEAT PUMP	1750	462	12.0	14.2	+16

	HVAC CFM CHART												
	MODEL #	DESCRIPTION	AIR HANDLER MODEL # (INTERIOR OR ATTIC MOUNTED)	MAX. CFM	UNI <del>T</del> WEIGHT (LBS)	EER	SEER	CLIMATE ZONE(S)					
	25HCE436A003	3 TON HEAT PUMP	FX4DN037	1200	157	11.5	14.0	1-16					
CARRIER SPLIT	25HCE442A003	312 TON HEAT PUMP	FX4DN043	1400	157	11.5	14.0	1-16					
DX SYSTEM	25HCE448A003	4 TON HEAT PUMP	FX4DN049	1600	185	14.5	14.0	1-16					
	25HCE460A003	4½ TON HEAT PUMP	FX4DN061	2000	201	11.5	14.0	1.16					

THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH ENERGY CODE.

ACCEPTANCE TEST TECHNICIAN (ATT).

A LIST OF CERTIFIED ATT'S CAN BE FOUND AT: HTTP://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-PROVIDER-PROGRAM/ACCEPTANCE

		# OF HVAC					# OF HVAC					# OF HVAC			
	LDING SIZE & CLIMATE ONE GROUP (ZONE)	3½ TON (BARD)	4 TON (BARD)	4 TON (SYSTE M AIR)	5 TON (SYTEM AIR)	BUILDING SIZE & CLIMATE ZONE GROUP (ZONE)	3½ TON (BARD)	4 TON (BARD)	4 TON (SYSTE M AIR)	5 TON (SYTEM AIR)	BUILDING SIZE & CLIMATE ZONE GROUP (ZONE)	3½ TON (BARD)	4 TON (BARD)	4 TON (SYSTE M AIR)	5 TON (SYTEM AIR)
	24'x40' GROUP A (1,16)	1				60'x40' GROUP A (1,16)	2				96'x40' GROUP A (1,16)	4			
	24'x40' GROUP B (2-5)	1				60'x40' GROUP B (2-5)	2				96'x40' GROUP B (2-5)	4			
	24'x40' GROUP C (6-13)	1				60'x40' GROUP C (6-13)	2				96'x40' GROUP C (6-13)	4			
	24'x40' GROUP D (14,15)	1				60'x40' GROUP D (14,15)		2			96'x40' GROUP D (14,15)	4			
	36'x40' GROUP A (1,16)	1				72'x40' GROUP A (1,16)	2				108'x40' GROUP A (1,16)	3			
	36'x40' GROUP B (2-5)	1				72'x40' GROUP B (2-5)	2				108'x40' GROUP B (2-5)	3			
X	36'x40' GROUP C (6-13)			1		72'x40' GROUP C (6-13)			2		108'x40' GROUP C (6-13)			3	
	36'x40' GROUP D (14,15)			1		72'x40' GROUP D (14,15)			2		108'x40' GROUP D (14,15)			3	
	48'x40' GROUP A (1,16)	2				84'x40' GROUP A (1,16)	2				120'x40' GROUP A (1,16)	5			
	48'x40' GROUP B (2-5)	2				84'x40' GROUP B (2-5)	2				120'x40' GROUP B (2-5)	5			
	48'x40' GROUP C (6-13)	2				84'x40' GROUP C (6-13)			2		120'x40' GROUP C (6-13)	5			
	48'x40' GROUP D (14,15)	2				84'x40' GROUP D (14,15)			2		120'x40' GROUP D (14,15)	5			

1. LOW-PROBABILITY SYSTEM(S) ON PLAN PER CMC 1103.2 IN REGARDS TO REFRIGERANT.

REFRIGERANT 410B (WHERE APPLICABLE) AND COORESPONDING SAFETY GROUP ON PLAN (CMC 1103 AND TABLE 1102.3)

\*\* SECURED w/ 22 GA WIRE @ 16" O.C. \*\*\* R-1 MAY BE ACHEIVED w/ POLYSTYRENE OR INSULATION TAPE APLLIED TO THE TOP FLANGE OF PURLINS, TYP.

ADDITIONAL HVAC NOTES:

LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMANCE BY A CERTIFIED LIGHTING CONTROLS

MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021. ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT.

THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA. PROJECT INSPECTORS WILL BE COLLECTING THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.

> MANUAL OVERRIDE CONTROLS ARE A MANDATORY MEASURE UNDER ENERGY CODE SECTION 120.2(e). ALL HVAC SYSTEMS SHALL HAVE A MANUAL OVERRIDE ACCESSIBLE TO THE OCCUPANTS THAT ALLOWS THEM TO TURN ON THE HVAC SYSTEM DURING NORMAL UNOCCUPIED TIMES. THIS CAN BE A MANUAL

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD. REVISIONS RAWN BY AA SCALE: AS NOTED MM/DD/YY ATE PROJECT NO: XXXX-22 SHEET TITLE: MECHANICAL NOTES & SCHEDULES SHEET NUMBER: M1.7A OVERRIDE FOR UP TO 4 HOURS, OCCUPANCY SENSOR, OR A 4 HOUR MANUALLY OPERATED TIMER.

3595001000

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A ADDENDUM "A"

**American Modular Systems** 

787 Spreckels Ave., Manteca, CA 95336

Phone (209) 825-1921 Fax (209) 825-7018

www.americanmodular.com

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24' x 40' THRU 120' x 40'

(LOW SEISMIC)

STANDARD MODULAR BUILDING

APPROVED DIV. OF THE STATE ARC

PO FOR

12/11/2023

ACS KA CG F

APP: 04-122050

2022 CBC PRE-CHECK (PC) DOCUMENT

MANUFACTURER PROFESSIONAL OF FECORD ON PC

SIN

PRE-CHECKED SET NAME

SITE SPECIFIC PROJECT NAME

△ **DESCRIPTION** 

**KEYNOTES** 

**GENERAL NOTES** 

FACILITY: HIRSCH ELEMENTARY SCHOOL 1280 DOVE DR. **TRACY, CA 95376** 

PROJECT:

SHEET NAME:

DATE: 04/03/24 SHEET:

HVAC SCHEDULES



CLIENT PROJ NO: 359500100

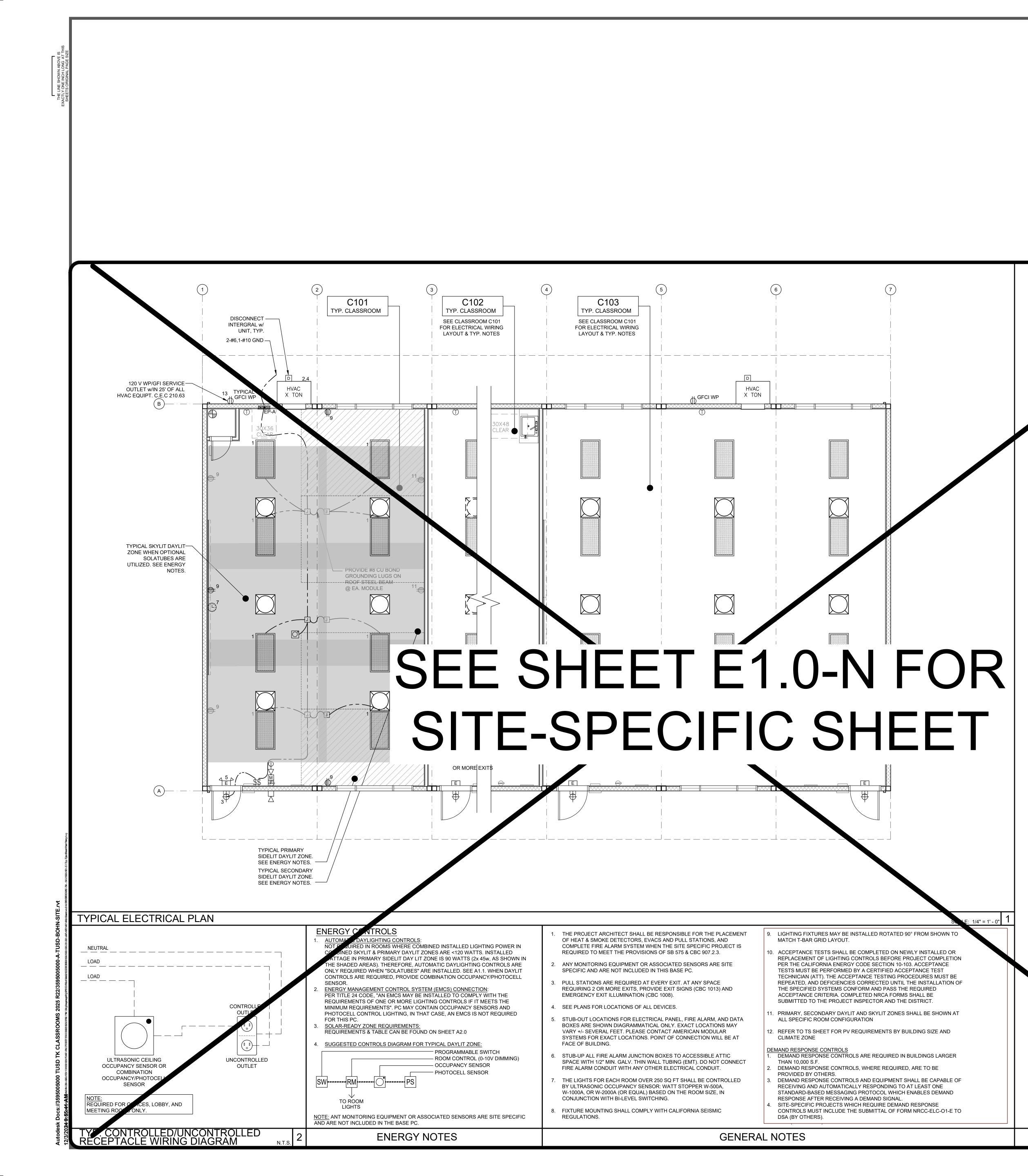
**MECHANICAL NOTES & SCHEDULES** 

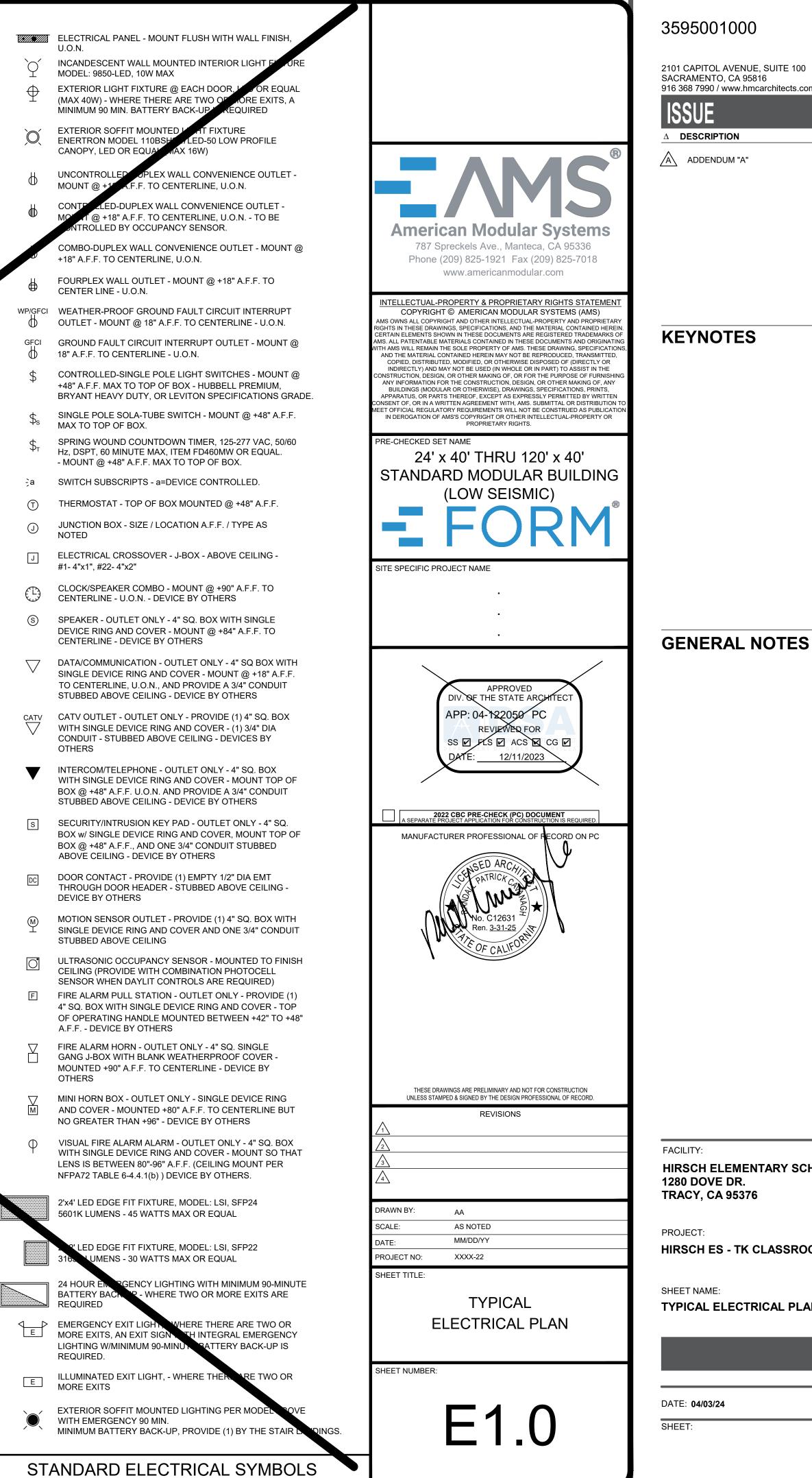
HIRSCH ES - TK CLASSROOM

3/20/25

TRACY HMC Architects DATE







U.O.N.

 $(\mathbf{J})$ 

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NOTED

A ADDENDUM "A"

1280 DOVE DR. **TRACY, CA 95376** 

HIRSCH ES - TK CLASSROOM



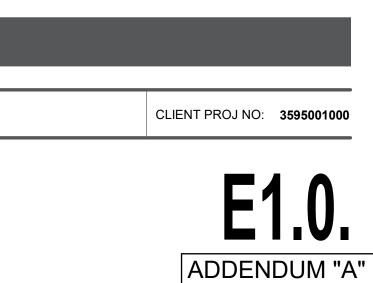
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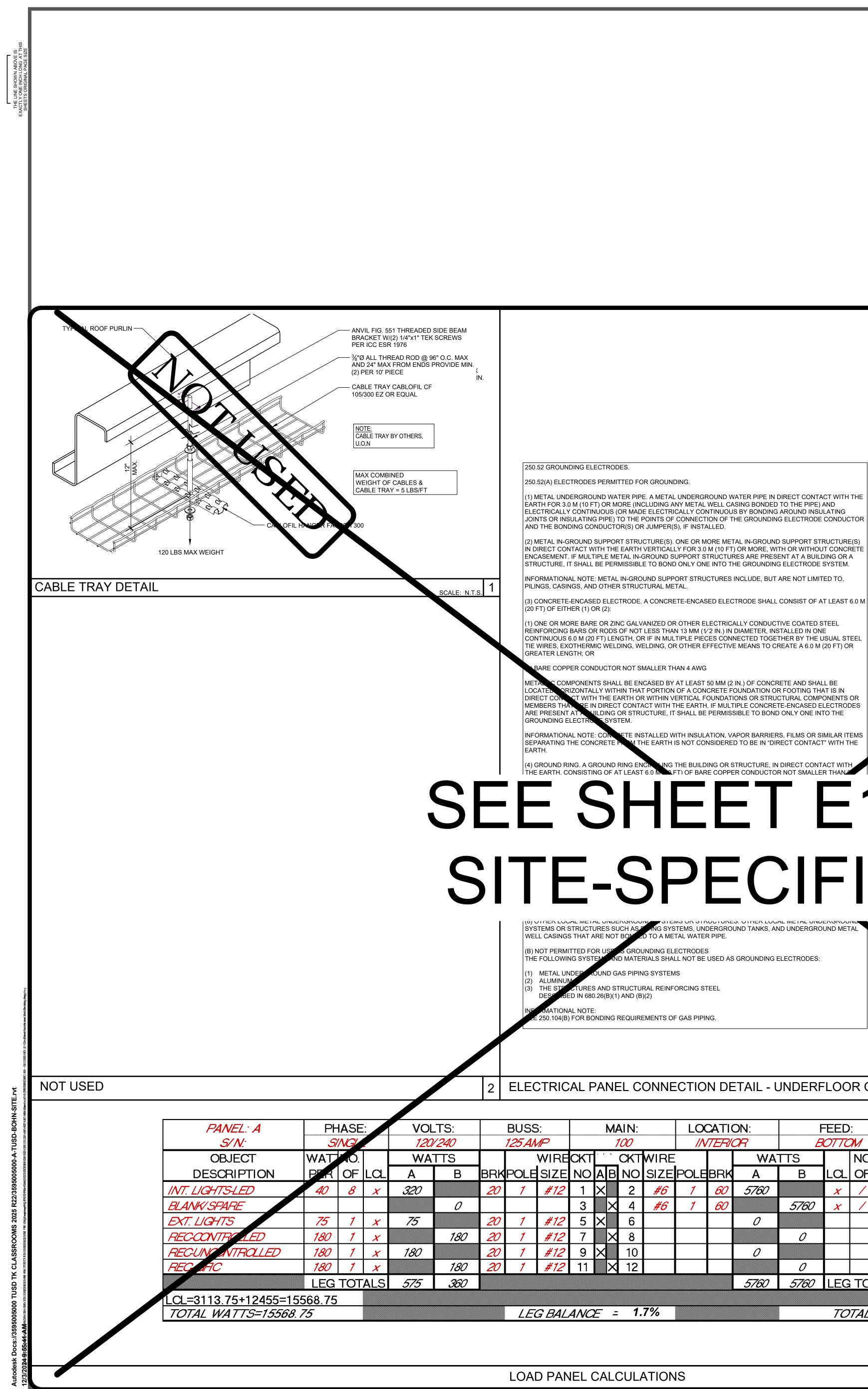
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DATE

HIRSCH ELEMENTARY SCHOOL

TYPICAL ELECTRICAL PLAN





FIRE ALARM DEDICATED CIRCUIT SHALL BE IDENTIFIED WITH A RED MARKED DISCONNECT WITH LOCK-ON CAPABILITY (NFPA 72 10.6.5.2)

NOTE:

CAL PANEL & METAL BUILDING FRAME (CEC).

HE SOIL IF AVAILABLE (CEC).

3. ELECTRICAL BOND DULES TOGETHER W/#8 CU @ MODLINE. BY

IN AD

ELECTF

LEAST 10' IN

AS REQUIRED. GROUNDING D.

INSPECTOR TO WITNESS GROUN

I TO THE DETAIL SHOWN ABOVE, BOND THE

MANUFACTURER. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTAL ADDITIONAL GROUND RODS (CEC)

GROUND TO METAL WATER PIPE EMBEDDED AT

AIL PER DSA IR E-1.

; TEST

BUSS: MAIN:				LOCATION:			FEED:				MOUNTING:			
125 AMP 100				INTERIOR			BOTTOM				SURFACE			
	WIRE	СКТ	LE	6	СКТ	WIRE	1		WA⁻	ITS		NO	WATTS	OBJECT
POLE	SIZE	NO	А	В	NO	SIZE	POLE	BRK	А	В	La	OF	PER	DESCRIPTION
1	#12	1	X		2	#6	1	60	5760		X	1	5760	4 TON A/CHVACUNIT
		3		X	4	#6	1	60		5760	X	1	5760	4 TON A/CHVACUNIT
1	#12	5	X		6				0				*	FA.CP.
1	#12	7		X	8					0			*	FUTURE SOLAR ELEC
1	#12	9	Х		10				0					BLANK/SPARE
1	#12	11		X	12					0				BLANK/ SPARE
									5760	5760	LEG		<b>FALS</b>	
LEG BALANCE = 1.7% TOTAL AMPS: 64.87								64.87						

# ELECTRICAL PANEL CONNECTION DETAIL - UNDERFLOOR OPTION

URES AND STRUCTURAL REINFORCING STEEL

D IN 680.26(B)(1) AND (B)(2)

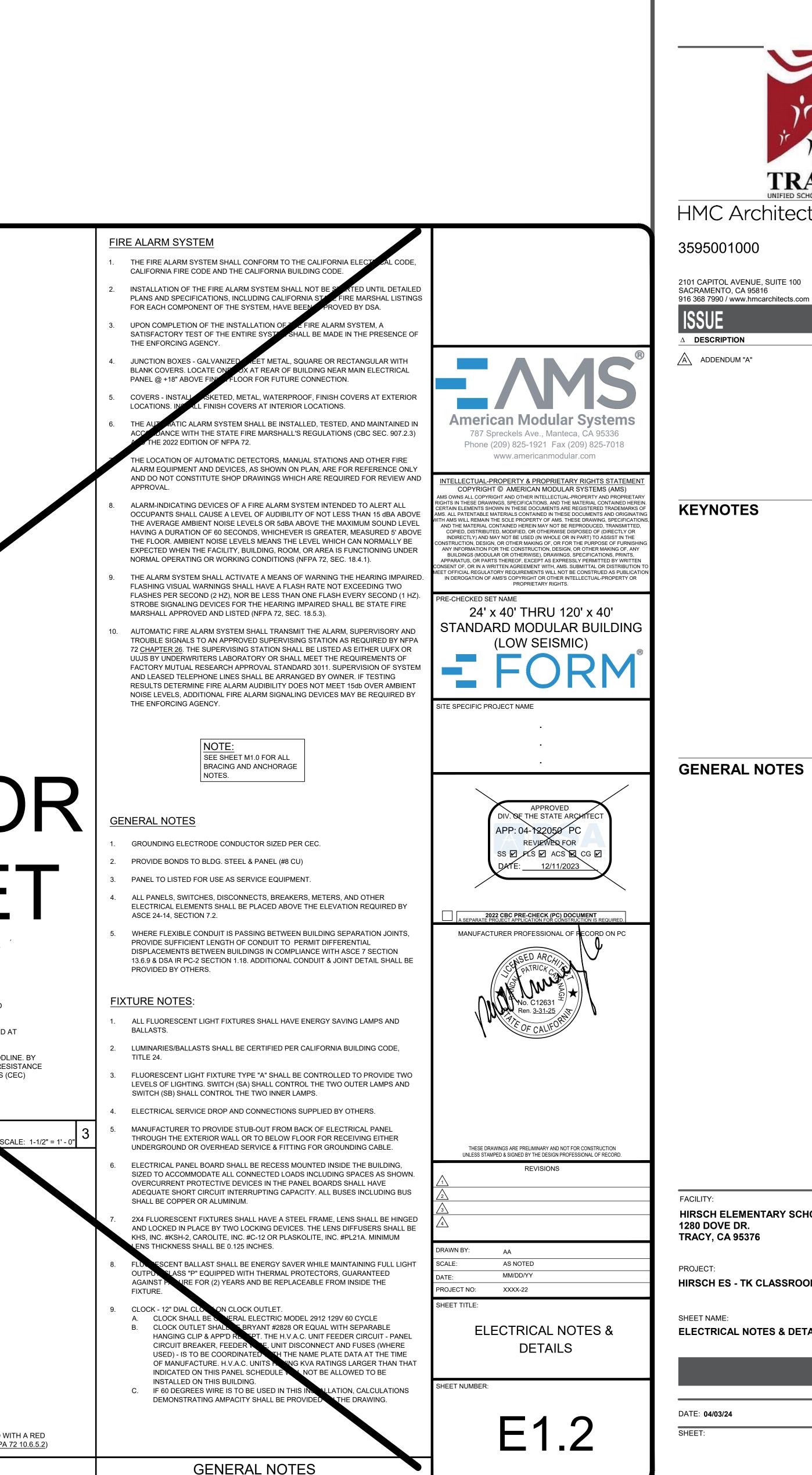
0.104(B) FOR BONDING REQUIREMENTS OF GAS PIPING

ATIONAL NOTE:

ASEMENT. IF MULTIPLE METAL IN-GROUND SUPPORT STRUCTURES ARE PRESENT AT A BUILDING OR A JCTURE, IT SHALL BE PERMISSIBLE TO BOND ONLY ONE INTO THE GROUNDING ELECTRODE SYSTEM.	
RMATIONAL NOTE: METAL IN-GROUND SUPPORT STRUCTURES INCLUDE, BUT ARE NOT LIMITED TO, IGS, CASINGS, AND OTHER STRUCTURAL METAL.	ELECTRICAL PANEL
ONCRETE-ENCASED ELECTRODE. A CONCRETE-ENCASED ELECTRODE SHALL CONSIST OF AT LEAST 6.0 M T) OF EITHER (1) OR (2):	
NE OR MORE BARE OR ZINC GALVANIZED OR OTHER ELECTRICALLY CONDUCTIVE COATED STEEL FORCING BARS OR RODS OF NOT LESS THAN 13 MM (1/2 IN.) IN DIAMETER, INSTALLED IN ONE TINUOUS 6.0 M (20 FT) LENGTH, OR IF IN MULTIPLE PIECES CONNECTED TOGETHER BY THE USUAL STEEL VIRES, EXOTHERMIC WELDING, WELDING, OR OTHER EFFECTIVE MEANS TO CREATE A 6.0 M (20 FT) OR ATER LENGTH; OR	
ARE COPPER CONDUCTOR NOT SMALLER THAN 4 AWG	
ALC COMPONENTS SHALL BE ENCASED BY AT LEAST 50 MM (2 IN.) OF CONCRETE AND SHALL BE ATED ORIZONTALLY WITHIN THAT PORTION OF A CONCRETE FOUNDATION OR FOOTING THAT IS IN CT CONTECT WITH THE EARTH OR WITHIN VERTICAL FOUNDATIONS OR STRUCTURAL COMPONENTS OR BERS THAN THE IN DIRECT CONTACT WITH THE EARTH. IF MULTIPLE CONCRETE-ENCASED ELECTRODES PRESENT AT A WILDING OR STRUCTURE, IT SHALL BE PERMISSIBLE TO BOND ONLY ONE INTO THE UNDING ELECTROPS SYSTEM.	ALLE RING DOTHERS
RMATIONAL NOTE: CONCLETE INSTALLED WITH INSULATION, VAPOR BARRIERS, FILMS OR SIMILAR ITEMS ARATING THE CONCRETE FORM THE EARTH IS NOT CONSIDERED TO BE IN "DIRECT CONTACT" WITH THE TH.	
ROUND RING. A GROUND RING ENCIRENING THE BUILDING OR STRUCTURE, IN DIRECT CONTACT WITH EARTH. CONSISTING OF AT LEAST 6.0 M DEFT) OF BARE COPPER CONDUCTOR NOT SMALLER THAN 2	
SHEET E	1.2-N FOF
<b>E-SPECIFI</b>	<b>C</b> SHEET
THER LOCAL IVIE FAL UNDERGROUND AS TEMIS OR STRUCTURES. OTHER LOCAL IVIE FAL UNDERGROUND TEMS OR STRUCTURES SUCH AS FEING SYSTEMS, UNDERGROUND TANKS, AND UNDERGROUND METAL L CASINGS THAT ARE NOT BOM 2D TO A METAL WATER PIPE.	C.E.C.
OT PERMITTED FOR USE AS GROUNDING ELECTRODES FOLLOWING SYSTEM AND MATERIALS SHALL NOT BE USED AS GROUNDING ELECTRODES:	SIZE OF CONDUCTORS SHALL COMPLY W/CEC.A
METAL UNDER KOUND GAS PIPING SYSTEMS ALUMINUM	2. BUD SEPARATE CONDUCTORS FROM GROUND ROD TO

PROVIDE CONDUIT FOR

FUTURE SOLAR



PLEASE RECYCLE



IDENTIFICATION STAMP

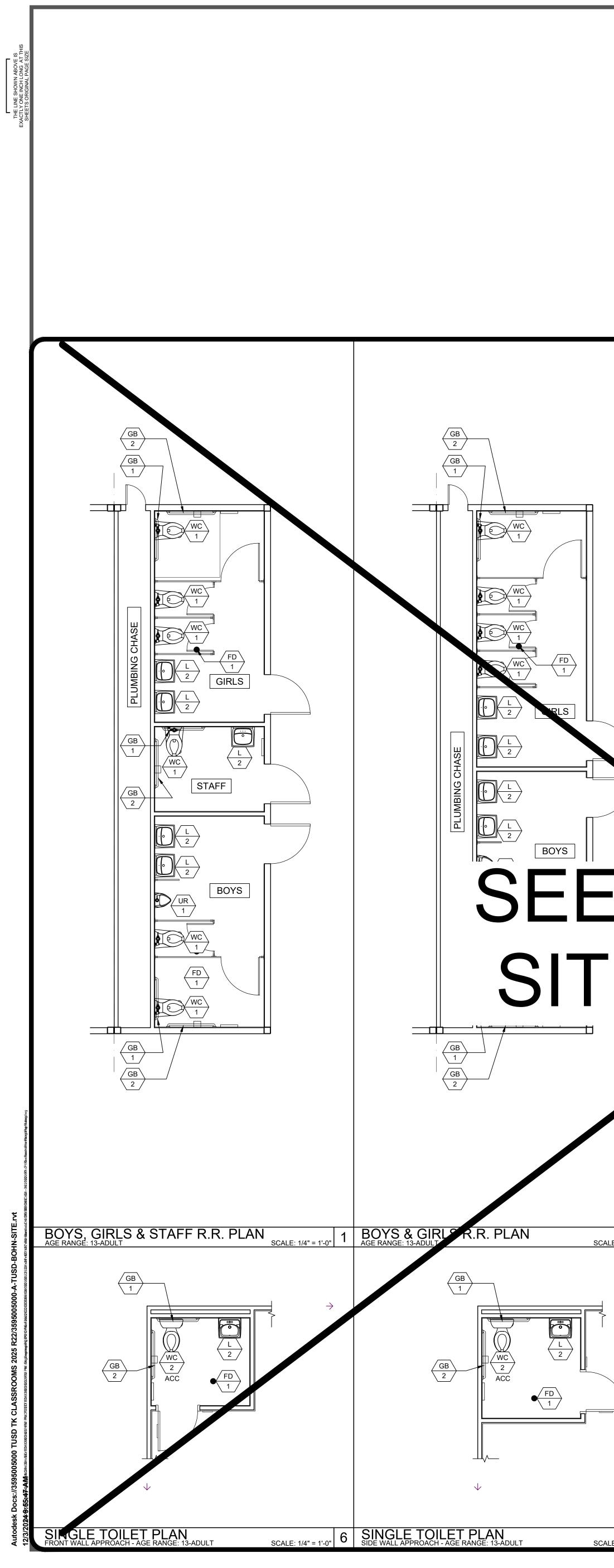
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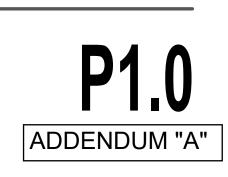
HIRSCH ES - TK CLASSROOM

**ELECTRICAL NOTES & DETAILS** 

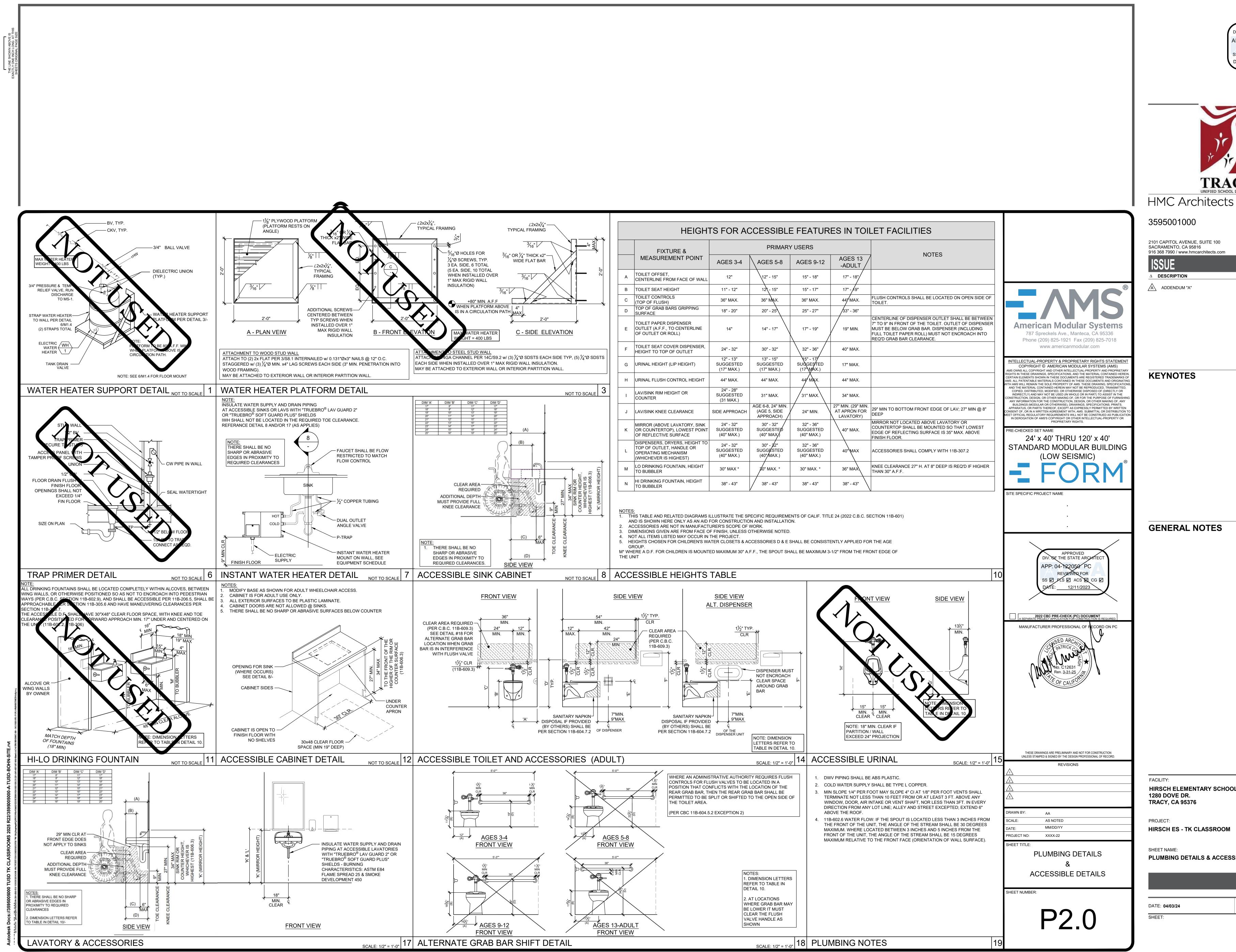
CLIENT PROJ NO: 3595001000 ADDENDUM "A"



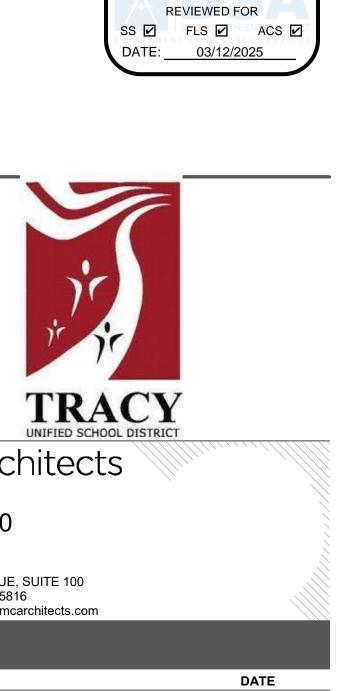
					1. C
					TRACY UNIFIED SCHOOL DISTRICT HMC Architects
	MARK FIXTURE <sup>1</sup> TYPE AT KINDERGAF (AGES 3-4)		HIGH SCHOOL S 13-ADULT) REMARKS		3595001000
	WC 2 WALL MOUNT WATER CLOSET CANNOT USE	KOHLER 'KINGSTON' MODEL K-4325       KOHLER 'KINGS         OR EQUAL. LOWEST AT 16" A.F.F.       OR EQUAL LOW         CANNOT USF       17" HIGHEST TO TOP OF SEAT W/       19" HIGHEST TO	TON' MODEL K-4325 FLUSH VALVE ZUBN MODEL		2101 CAPITOL AVENUE, SUITE 100 SACRAMENTO, CA 95816 916 368 7990 / www.hmcarchitects.com
	ACC FLOOR MOUNT TANK TYPE WC 2 FLOOR MOUNT TANK TYPE W/BEMIS 1955SSCT OR EC TOILET SET	QUAL W/2L2050T SEAT 2" HIGH MAX MODEL K-3998 OR EQUAL W/BEMIS MODEL K-3999 #3128.001 FOR BOWL 1955SSCT OR EQUAL TOILET SEAT OR EQUAL W/BE	SCHEDULE 10/P2.0.         WORTH"         WC/2 FIXTURE MAX FLOW RATE of 1.28         G.P.F - LOCATE AS SPECIFIED ON FLOOR         EMIS 1955SSCT         PLANS. MOUNT ACCESSING FIXTURES		A DESCRIPTION DATE
	FLOOR MOUNT     KOHLER 'PRIMARY'       WC     FLUSH VALVE       3     MODEL K-96064 OR EQUAL.       0     WC       0     MODEL K-96064 OR EQUAL.       0     OR EQUAL	OR EQUAL w/2L2050T TYPE_KOHLER 'WELLCOMME ULTRA' KOHLER 'HIGHC	ELUSH VALVE       FLUSH VALVE ORN MODEL         LIFF ULTRA'       Z6000AV-HU - 1.28 G.P.F OR EQUAL.         OR EQUAL       LOCATE AS SPECIFIED ON FLOOR PLANS.         GCT OR EQUAL       MOVEL ACCESSIBLE FIXTURES PER		ADDENDUM "A" 3/20/25
	ACC O BOYS/GIRLS LAVATORY KINGSTON' MODEL K-2007-0	TOILET SEAT	BOY/GIRL RESTROOM - ZURN MODEL Z86100-XL-3M - COLD WATER ONLY - SINGLE SPOUT MOUNT AS SPECIFIED IN FLOOR PLANS. MOUNT ACCESSIBLE	American Modular Systems 787 Spreckels Ave., Manteca, CA 95336 Phone (209) 825-1921 Fax (209) 825-7018	
	ADULT KOHLER		FIXTURES PER SCHEDULE 10/P2.0 - FLOW RATE OF 0.5 G.P.M. METER FAUCETS SHALL REMAIN OPEN FOR 10 SECONDS MIN. ADULT RESTROOM - ZURN MODEL Z7440-XL-FC	WWW.americanmodular.com	
	LAVATORY 2 LAVATORY MODEL K-2005-0		HOT/COLD WATER - 4" ON CENTER HOLE. MOUNT AS SPECIFIED IN FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 10/P2.0 - FLOW RATE OF 0.5 G.P.M.	AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETARY RIGHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS OF AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINATING WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICATIONS, AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTED, COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE	KEYNOTES
	URINAL WALL MOUNT TYPE KOHLER MODEL DEXTER K-5452-ET-0 OR EQUAL ACC FLOW RATE = 0.125 gpf		FLUSH VALVE ZURN MODEL Z6003-AV (0.125gpf) OR EQUAL. MOUNT AS SPECIFIED IN FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 10/P2.0	CONSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE CONSTRUCTION, DESIGN, OR OTHER MAKING OF, ANY BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTEN CONSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION TO MEET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICATION IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR	
	MIRROR MIRROR WALL MOUNT TYPE BOBRICK MODEL B165 18X30 OR EQUAL		MOUNT AS SPECIFIED IN FLOOR PLANS. MOUNT ACCESSIBLE MIRROR PER SCHEDULE 10/P2.0	PROPRIETARY RIGHTS. PRE-CHECKED SET NAME 24' x 40' THRU 120' x 40' CTANDADD MODULI AD DUU DINIC	
	GB     36"     WALL MOUNT TYPE       GB     GRAB BARS     MOEN MODEL       1     48"     8736 & 8748       GB     GRAB BARS     (1 1/4" CONCEALED SCREW       36"& 48"     36"& 48") OR EQUAL		18 GA. 304 STAINLESS STEEL SATIN FINISH MOUNT AS SPECIFIED IN FLOOR PLANS AND PER SCHEDULE 10/P2.0. (STRUCTURAL STRENGTH OF GRAB BARS 250# MIN.)	STANDARD MODULAR BUILDING (LOW SEISMIC)	
	WH 1 WATER HEATER WATER HEATER WATER HEATER WATER HEATER MODEL PROE20-1-RH-POU 240 VOLT SINGLE PHASE		AVAILABLE IN 6, 10, 20 AND 30 GALLON MODELS (MAX WATER HEATER WEIGHT) PER 6/M1.4 OR 1/P2.0	SITE SPECIFIC PROJECT NAME	
	INSTANT-TEMP     CHRONOMITE       WATER HEATER     INSTANT-TEMP WATER       1     Image: Comparison of the standard standa		CHRONOMITE MODEL M20L/208 OR EQUAL SEE DETAIL 7/P2.0		GENERAL NOTES
ES	SHEET P1	$-NFOR^{=}$	ZURN 843-MI-RC OR EQUAL	APPROVED DIV. OF THE STATE ARCHITECT	
				APP: 04-122050       PC         REVIEWED FOR         SS ☑       FLS ☑       ACS ☑       CG ☑         DATE:       12/11/2023	
E-	SPECIFIC	; SHEEI	LOCATE AS SPECIFIED ON FLOOR PLANS. PROVIDE GRATE WITH MAX 1/2" OPENINGS, MEASURED IN BOTH DIRECTIONS LOCATE AS SPECIFIED ON FLOOR PLANS. (FLOOR DRAIN TO BE USED ON CONCRETE	2022 CBC PRE-CHECK (PC) DOCUMENT     A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.	
	CLASSROOM DAYTON		ONLY.) PROVIDE GRATE WITH MAX 1/2"     OPENINGS, MEASURED IN BOTH DIRECTIONS     FAUCET - ZURN     MODEL Z2871-B4-XL W/WRIST BLADES.	MANUFACTURER PROFESSIONAL OF RECORD ON PC	
	Image: Constraint of the second se		LOCATE AS SPECIFIED ON FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 10/P2.0	No. C12631	
	DF     FOUNTAIN     MODEL EDFP217C       1     Image: Comparison of the second seco		LOCATE AS SPECIFIED ON FLOOR PLANS.	Ren. <u>3-31-25</u>	
	HB     ARROWHEAD       1     MODEL 353LKLF       OR EQUAL				
	1. ALL WATER FIXTURES MUST MEET REQUIREMENTS O	CES UNDER LAVS OR SINKS.	TTINGS".		
ALE: 1/4" = 1'-0" 2		PLUMBING FIXTURE SCHEDULE	PLUMBING NOTE	THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.	
$\rightarrow$		A = PLUMBING FIXTURE I.D SEE SCHEDULE ABOVE	MODULAR MFR. TO STUB THROUGH FLOOR ALL PLUMBING LINES. BUILDING PERIMETER POC'S SHOWN ARE FOR COORDINATION PURPOSES ONLY. ALL UNDER-FLOOR CONNECTIONS ARE BY SITE CONTRACTOR, U.O.N. DIMENSIONS ARE TO FACE OF FINISH (F.O.F.) UNLESS NOTED OTHERWISE (i.e.	$   \underline{)} \\   \underline{)} \\ $	FACILITY: HIRSCH ELEMENTARY SCHOOL 1280 DOVE DR. TRACY, CA 95376
		SYMBOLS LEGEND	<ul> <li>F.O.C., €)</li> <li>P.STROOM CONFIGURATION MAY VARY PER BUILDING CONFIGURATION.</li> <li>RESTROOM MODULE OCCURS ONLY AT END OF BUILDING. SINGLE RESTROOMS MAY OCCUR IN ANY PART OF A BUILDING.</li> <li>RESTROOM DULE CANNOT STAND ALONE AND SHALL BE ASSEMBLED</li> </ul>	DRAWN BY: AA SCALE: AS NOTED DATE: MM/DD/YY	PROJECT:
		PLANS SHALL MEET ENERGY CODE 120.3 FOR PIPE INSULATION. ALL WATER HEATERS SHALL HAVE R7.7 ON HOT AND COLD LINES FOR THE FIRST 8 FEET FROM WATER HEATER (TANK TYPE AND INSTANT). SECTION 609.12 REQUIRES HOT WATER PIPING FROM THE WATER HEATER TO THE FIXTURE (CONTROL VALVE) BE INSULATED TO A	<ol> <li>RESTROOM FOULE CANNOT STAND ALONE AND SHALL BE ASSEMBLED TOGETHER WITH T LEAST ONE OTHER 12'x40' MODULE.</li> <li>INTERIOR WALLS MALOCCUR THROUGHOUT BUILDING. REFER TO SHEET S8.1 OR S9.1 FOR ATTACHMENTS.</li> <li>REFER TO SCHEDULE 10/P2. FOR ACCESSIBLE HEIGHTS AT TOILETS.</li> </ol>	PROJECT NO: XXXX-22 SHEET TITLE: RESTROOM OPTIONS	HIRSCH ES - TK CLASSROOM
		MINIMUM WALL THICKNESS OF NOT LESS THAN THE DIAMETER OF THE PIPE FOR A PIPE UP TO 2 INCHES (50 MM) IN DIAMETER. INSULATION WALL THICKNESS SHALL BE NOT LESS THAN 2 INCHES (51 MM) FOR A PIPE OF 2 INCHES (50 MM) OR MORE IN DIAMETER. PER PLUMBING CODE 609.12 UPDATE PLANS TO SHOW HOW THE HOT WATER PIPING IS	<ol> <li>REFER TO BETAILS 1, 3, 4 &amp; 5, SN FT A7.1 FOR TOILET PARTITION ANCHORAGE BLOCKING.</li> <li>SEWER AND WATER STUB OUTS SHALL &amp; LOCATED WITHIN THE ALLOWABLE AREA AS SHOWN ON FLOOR PLAN AND CONSECTIONS SHALL BE EASILY</li> </ol>	PLUMBING PLAN & FIXTURE SCHEDULE	RESTROOM OPTIONS PLUMBING PLAN & FIXTURE SCHEDULE
		INSULATED FROM THE WATER HEATER TO THE FIXTURE (CONTROL VALVE) TO A MINIMUM WALL THICKNESS OF NOT LESS THAN THE DIAMETER OF THE PIPE. INSTANTANEOUS WATER HEATERS WITH AN INPUT GREATER THAN 6.8 KBTU/H OR 2 KW (ALL INSTANTANEOUS ARE OVER 4KW) SHALL HAVE ISOLATION VALVES ON BOTH THE	ACCESSIBLE FOR FUTURE RELOCATION. STUB OF HEIGHT SHALL BE COORDINATED BY THE MANUFACTURER. 9. PIPING MATERIAL a. WATER: COPPER TYPE "L", 95/5 SOLDER.	SHEET NUMBER:	DATE: 04/03/24 CLIENT PROJ NO: 35950
		INCOMING COLD WATER SUPPLY AND THE HOT WATER PIPE LEAVING THE WATER HEATER, TO ASSIST IN THE FLUSHING OF THE HEAT EXCHANGER AND HELP PROLONG THE LIFE OF THE WATER HEATERS PER ENERGY CODE 110.3(C).	<ul> <li>b. WASTE DRAIN AND VENT: ABS.</li> <li>10. REFER TO SHEET M1.0 FOR TYPICAL BRACING AND ANCHORAGE NOTES.</li> </ul>	P1.0	SHEET:
ALE: 1/4" = 1'-0" 7	CLASSROOM SINK PLAN SCALE: 1/4" = 1'-0" 8	GENERAL	NOTES		



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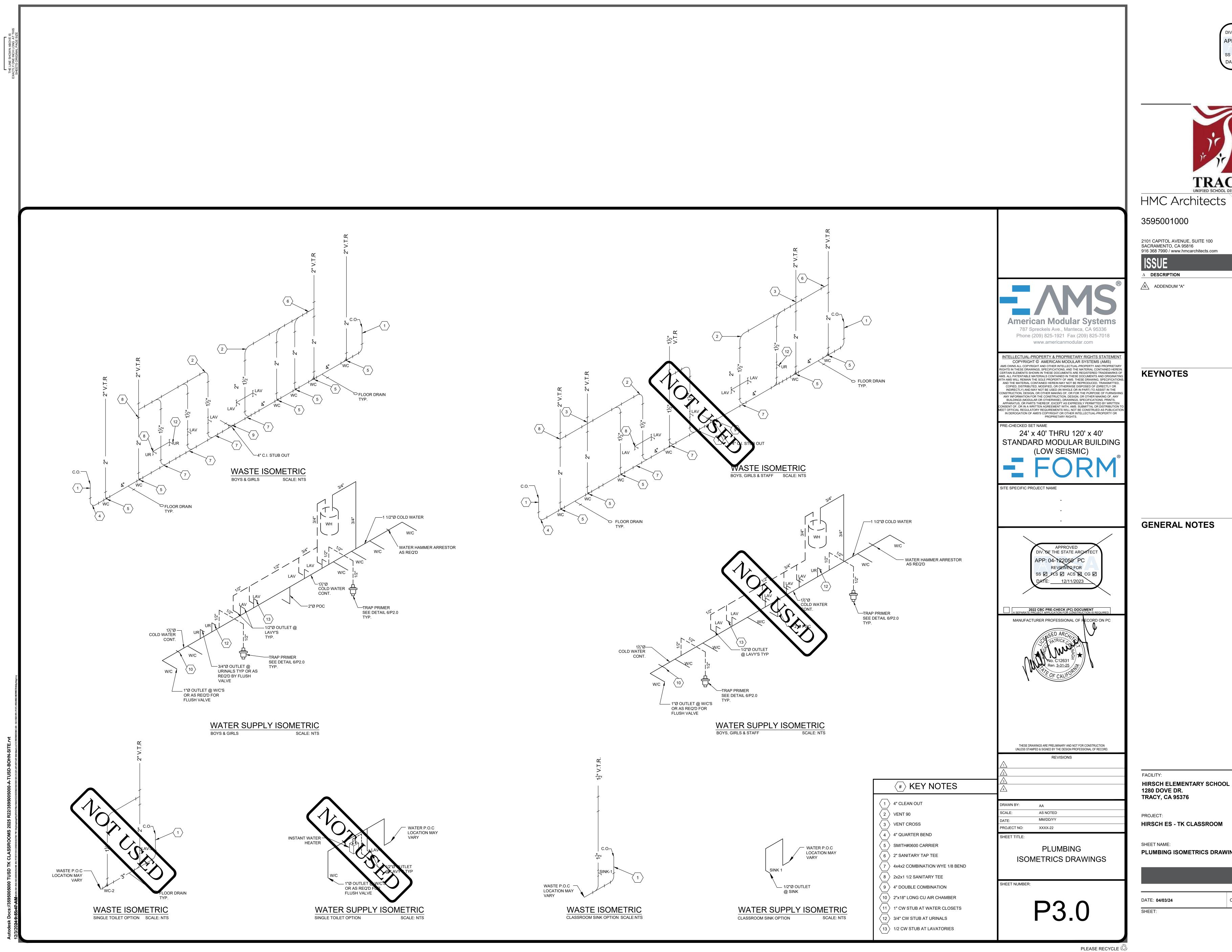
HIRSCH ES - TK CLASSROOM

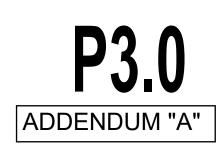
**PLUMBING DETAILS & ACCESSIBLE DETAILS** 

CLIENT PROJ NO: 3595001000

D7

ADDENDUM "A"





PLUMBING ISOMETRICS DRAWINGS

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