# POET CHRISTIAN ES - TK CLASSROOM

1701 S CENTRAL AVE. TRACY, CA 95376

- PRODUCTS, SYSTEMS, QUANTITIES. CONFIGURATION, AND PERFORMANCE SPECIFICATIONS THAT DELIVER THE OVERALL DESIGN INTENT OF THE PROJECT. THE CONSTRUCTION DOCUMENT DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY. AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY BOTH. 3. PERFORMANCE BY THE CONSTRUCTION TEAM SHALL BE CONSISTENT WITH THE
- 4. VERIFY ALL DIMENSIONS, LOCATIONS OF EXISTING UTILITIES, AND CONDITIONS ON THE JOB SITE PRIOR TO THE START OF WORK OR PORTIONS OF THE WORK. NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN THE ACTUAL FIELD CONDITIONS AND THE CONSTRUCTION DOCUMENTS. EXISTING CONDITIONS ARE INDICATED AS A RESULT OF FIELD OBSERVATIONS, INFORMATION SHOWN ON
- AT THE TIME OF PREPARATION. 5. ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH ALL GOVERNING CODES, ORDINANCES, REGULATIONS AND LAWS. 6. THE DESIGN ADEQUACY AND SAFETY OF **ERECTION BRACING, SHORING, TEMPORARY** SUPPORTS AND SCAFFOLDING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. WHERE ANY CONFLICT OCCURS BETWEEN THE REQUIREMENTS OF LAWS, CODES, ORDINANCES,

RULES AND REGULATIONS. THE MOST

STRINGENT SHALL GOVERN

- CASES UNLESS SPECIFICALLY NOTED
- OTHERWISE. 10. ENACT ALL MEASURES TO PROTECT AND SAFEGUARD ALL EXISTING ELEMENTS TO REMAIN FROM BEING DAMAGED. REPLACE OR REPAIR EXISTING ELEMENTS DAMAGED BY THE EXECUTION OF THIS CONTRACT TO EQUAL OR

SYMBOL LEGEND

AX.XX

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

12. CONTRACTOR SHALL EXCERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING, CONDUIT, ETC. AND TO PREVENT HAZARD TO PERSONNEL AND/OR TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE THE NECESSARY COMPONENTS FOR CONSTRUCTION 13. CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH THE EXISTING OR NEW STRUCTURAL ELEMENTS SHALL NOT TO BE STARTED UNTIL THE DETAILS HAVE BEEN REVIEWED AND APPROVED BY THE ARCHITECT, AND STRUCTURAL ENGINEER OF RECORD. 14. ALL WORK SHALL CONFORM TO 2022 EDITION

15. THÉ LIMIT OF WORK LINE SHOWS THESE DRAWINGS IS AN APPROXIMATE LIMIT OF WORK ONLY. REFER TO CONSULTANT DRAWINGS FOR ADDITIONAL WORK, INCLUDING BUT NOT LIMITED TO INSTALLATION OF CONDUIT, MANHOLES, PULLBOXES, ETC WHICH ARE TO BE PART OF THIS WORK, ALTHOUGH OCCURING OUTSIDE OF SHOWN LIMIT OF WORK LINES. 16. FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY THE DSA. LIST DEFERRED SUBMITTAL ITEMS FOR THIS

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

SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION, OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE DSA APPROVED CONTRACT DOCUMENTS WHEREIN THE FINISHED CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. 23. CONTRACTOR IS TO REVIEW AND COMPLY WITH ALL REQUIREMENTS AND MITIGATION MEASURES SET FORTH IN BOTH THE ENVIRONMENTAL IMPACT REPORT (ADDENDUM TO THE ENVIRONMENTAL IMPACT REPORT | SCH NO. 2002071120) INCLUDING ATTACHED BIOLOGICAL

PARTI	AL LIST OF APPLICABLE CODES	PARTIAL LIST	T OF APPLICABLE STANDARDS
2022	CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.	NFPA 13	STANDARD FOR AUTOMATIC FIRE SPRINKLER SYSTEMS (CA
2022	CALIFORNIA BUILDING CODE (CBC), PART 2,		AMENDED)
LULL	TITLE 24 C.C.R.	NFPA 14	STANDARD FOR STANDPIPE
	(2021 INTERNATIONAL BUILDING CODE		AND HOSE SYSTEMS (CA
	VOLUMES 1 & 2 AND 2022 CALIFORNIA		AMENDED)
	AMENDMENTS)	NFPA 17	STANDARD FOR DRY
2022	CALIFORNIA ELECTRICAL CODE (CEC), PART 3,		CHEMICAL EXTINGUISHING
	TITLE 24 C.C.R.		SYSTEMS
	(2020 NATIONAL ELECTRICAL CODE AND 2022	NFPA 17A	STANDARD FOR WET
0000	CALIFORNIA AMENDMENTS)		CHEMICAL EXTINGUISHING
2022	CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R.	NFPA 20	SYSTEMS STANDARD FOR STATIONARY
	(2021 UNIFORM MECHANICAL CODE AND 2022	NFPA 20	PUMPS FOR FIRE PROTECTION
	CALIFORNIA AMENDMENTS)	NFPA 22	STANDARD FOR WATER
2022	CALIFORNIA PLUMBING CODE (CPC), PART 5,	11117122	TANKS FOR PRIVATE FIRE
	TITLE 24 C.C.R.		PROTECTION
	(2021 UNIFORM PLUMBING CODE AND 2022	NFPA 24	STANDARD FOR THE
	CALIFORNIA AMENDMENTS)		INSTALLATION OF PRIVATE
2022	CALIFORNIA ENERGY CODE (CEC), PART 6,		FIRE MAINS AND THEIR
	TITLE 24 C.C.R.		APPURTENANCES (CA
2022	CALIFORNIA HISTORICAL BUILDING CODE		AMENDED)
0000	(CHBC), PART 8, TITLE 24 C.C.R.	NFPA 72	NATIONAL FIRE ALARM &
2022	CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.		SIGNALING CODE (CA
	(2021 INTERNATIONAL FIRE CODE AND 2022	NFPA 80	AMENDED) STANDARD FOR FIRE DOORS
	CALIFORNIA AMENDMENTS)	NEFA 60	AND OTHER OPENING
2022	CALIFORNIA EXISTING BUILDING CODE (CEBC),		PROTECTIVES
2022	PART 10, TITLE 24 C.C.R.	NFPA 2001	STANDARD ON CLEAN AGENT
	(2021 INTERNATIONAL EXISTING CODE AND		FIRE EXTINGUISHING SYSTEMS
	2022 CALIFORNIA AMENDMENTS)		(CA AMENDED)
2022	CALIFORNIA GREEN BUILDING STANDARDS	UL 300	STANDARD FOR FIRE TESTING
	CODE (CALGREEN), PART 11, TITLE 24 C.C.R.		OF FIRE EXTINGUISHING
2022	CALIFORNIA REFERENCED STANDARDS, PART		SYSTEMS FOR PROTECTION
	12,TITLE 24 C.C.R.		OF COMMERCIAL COOKING
IIILE	19 C.C.R., PUBLIC SAFETY, STATE FIRE	111 404	EQUIPMENT
2019	MARSHAL REGULATIONS. ASME A17.1/B44-19 SAFETY CODE FOR	UL 464	AUDIBLE SIGNAL APPLIANCES FOR FIRE ALARM AND
2019	ELEVATORS AND ESCALATORS		SIGNALING SYSTEMS,
2020	ASME 18.1 - SAFETY STANDARD FOR		INCLUDING ACCESSORIES
2020	ACINE TO THE ETT CHAND TON	1	"10F0D"10 / (00F000) (IF0

# STATEMENT OF GENERAL CONFORMANCE

THE DRAWINGS OR SHEETS LISTED ON THE INDEX SHEET THIS DRAWING PAGE OF SPECIFICATIONS/CALCULATIONS 2022 ED. HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR

DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME.

THE STATEMENT OF GENERAL CONFORMANCE "SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17302 AND 81138 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341 AND 4-344" OF TITLE 24, PART 1. (TITLE 24, PART 1, SECTION 4-317 (B))

THE PC APPROVED MANUFACTURER DRAWINGS PC# 04-122050 LISTED ON THE INDEX SHEET ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN INTENT, AND THEY HAVE BEEN COORDINATED WITH

03/03/25 GENERAL RESPONSIBLE CHARGE JENNIFER HUANG PRINT NAME C-35691 LICENSE NUMBER

POST TENSIONED CONCRETE

PAPER TOWEL DISPENSER

PNEUMATIC TUBE STATION /

POLYVINYL CHLORIDE

**PAVEMENT** 

**QUARRY TILE** 

**ROOF DRAIN** 

RADIUS, RISER

**RESILIENT BASE** 

THIS PROJECT WILL NOT BE CERTIFIED UNTIL DSA #02-120130 IS CERTIFIED

# PROJECT DESCRIPTION

G0.10 COVER SHEET

G1.51 LOCAL FIRE AUTHORITY SITE PLAN

GRADING & PAVING PLAN

DEMOLITION PLAN

GENERAL NOTES

POWER & SIGNAL SITE PLAN

POWER & SIGNAL DETAILS

DIAGRAM, & SCHEDULES

FIRE ALARM ENLARGED PLAN -

N3.0-N TYPICAL SCHEDULES - DOORS, WINDOWS &

A1.2-N RESTROOM FLOOR PLAN OPTIONS - AGE

A4.1-N INTERIOR ELEVATIONS RESTROOM OPTIONS

P1.0-N RESTROOM OPTIONS PLUMBING PLAN &

**GENERAL NOTES & SPECIFICATIONS** 

BELOW GRADE CONCRETE MIX DESIGN

TYPICAL EXTERIOR ELEVATIONS - LAP

RELOCATABLE CLASSROOM

FIRE ALARM SITE PLAN

AMS CLASSROOM DRAWINGS

A1.0-N TYPICAL FLOOR PLAN

CLASSROOM

A4.0-N INTERIOR ELEVATIONS TYPICAL

M1.0-N TYPICAL REFLECTED CEILING PLAN

M1.1A-N TYPICAL MECHANICAL PLAN

E1.0-N TYPICAL ELECTRICAL PLAN

E1.2-N ELECTRICAL NOTES & DETAILS

FIXTURE SCHEDULE

TITLE SHEET

FORM DSA-103

FORM DSA-103

RELOCATABLE CLASSROOM

UTILITY PLAN

CIVIL GENERAL NOTES & ABBREVIATIONS

SITE PLAN AND CODE INFORMATION

ENLARGED SITE PLAN AND SITE DETAILS

ELECTRICAL SCHEDULES, ONE-LINES, &

POWER & SIGNAL ENLARGED PLAN -

FIRE ALARM GENERAL NOTES, RISER

-Construction and installation of (2) new 36'x40' PC Portable TK Classroom buildings by AMS. -Construction of concrete foundations for the portable classroom buildings. Construction of chain link fences and gates.

-Related civil site concrete and site utilities. -Related electrical site utilities, and building low voltage. -Removal of an existing drinking fountain and replacement with a drinking fountain and bottle filler

All other items as shown on the drawings for a complete project SUBSTITUTIONS AFFECTING ITEMS REGULATED BY THE DIVISION OF THE STATE ARECHITECT (DSA) REQUIRE DSA APPROVAL AS AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD). DSA APPROVAL SHALL BE OBTAINED PRIOR TO

4-338, PART 1, TITLE 24, CCR. THE CALIFORNIA ENERGY CODE SECION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT | E3.0 AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS

FABRICATION AND/OR INSTALLATION PER SECTION | E0.1

LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHT CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT)

OPERATING AND IN COMPLIANCE WITH ENERGY

BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER

ACCEPTANCE CRITERIA. PROJECT INSPECTORS WILL COLLECT THE FORMS

GENERAL NOTES & SPECIFICATIONS TYPICAL SCHEDULES - DOORS, WINDOWS & ACCESSIBILITY STANDARDS AND DETAILS ENERGY CALCULATIONS SUMMATION SHEET ENERGY CALCULATIONS SUMMATION SHEET

P.C. #04-122050

**ENERGY CALCULATIONS 36'x40' BUILDING ENERGY CALCULATIONS 36'x40' BUILDING** ENERGY CALCULATIONS SUPPLEMENTAL

ENERGY CALCULATIONS SUPPLEMENTAL ENERGY CALCULATIONS SUPPLEMENTAL TYPICAL FLOOR PLAN RESTROOM FLOOR PLAN OPTIONS - AGE

TYPICAL ROOF PLAN METAL STANDING SEAM (WITHOUT PARAPETS) TYPICAL ROOF DETAILS METAL STANDING INTERIOR ELEVATIONS TYPICAL

INTERIOR ELEVATIONS RESTROOM OPTIONS TYPICAL EXTERIOR ELEVATIONS - LAP SIDING OPTION TYP. ARCHITECTURAL DETAILS - LAP SIDING MISCELLANEOUS ARCHITECTURAL DETAILS

TYPICAL LONGITUDINAL AND TRANSVERSE FRAME SECTIONS STEEL MEMBER PROPERTIES CONCRETE FOUNDATION PLAN (50PSF LIVE LOAD +15PSF FLOOR PARTITION LOAD)

CONCRETE FOUNDATION DETAILS CONCRETE FOUNDATION DETAILS STANDARD ANCHORAGE FOUNDATION

UPGRADE ACHORAGE FOUNDATION DETAILS CONCRETE FOUNDATION OPTIONAL UTILITY **OPENINGS IN FOOTINGS** FLOOR FRAMING PLAN & DETAILS FOR PLYWOOD FLOOR ROOF FRAMING PLAN AND DETAILS CROSS

BRACING OPTION ROOF FRAMING DETAILS CROSS BRACING MOMENT FRAME ELEVATIONS & DETAILS MOMENT FRAME CONNECTION DETAILS WALL FRAMING ELEVATIONS & SCHEDULES

WOOD STUDS WALL FRAMING DETAILS - WOOD STUDS TYPICAL REFLECTED CEILING PLAN TYPICAL MECHANICAL PLAN OPTIONS MECHANICAL AND CEILING DETAILS MECHANICAL & CEILING DETAILS MECHANICAL ROOF DETAILS

**CEILING NOTES & SPECIFICATIONS** MECHANICAL NOTES & SCHEDULES TYPICAL ELECTRICAL PLAN ELECTRICAL NOTES & DETAILS

RESTROOM OPTIONS PLUMBING PLAN & FIXTURE SCHEDULE P3.0 PLUMBING ISOMETRICS DRAWINGS

PLUMBING DETAILS & ACCESSIBILE DETAILS

2019 ED.

#### **EXISTING** FIBERGLASS REINFORCED PLASTIC **ANCHOR BOLT** FIRE RETARDANT TREATED ASPHALTIC CONCRETE PAVING FINISH SURFACE FOOTING ACCESS/ACCESSIBLE **GRAB BAR** ACOUSTICAL CEILING PANEL GLASS FIBER REINFORCED GFRC ACOUSTICAL CEILING TILE CONCRETE ADJACENT/ADJUSTABLI GLASS TYPE AFF ABOVE FINISH FLOOR GLUE LAMINATED BEAM AGGREGATE GYPSUM BOARD AIR HANDLING UNIT GYP PLAS GYPSUM PLASTIC ARCH ARCHITECTURAL HOSE BIBB **ATTENUATION HEAVY DUTY AUTOMATIC** HEADER **HDWR** HARDWARE BLOCKING HEIGHT **BUILT UP ROOFING** HOLLOW METAL CABT HIGH POINT HOLLOW STEEL SECTION CUBIC FFFT CONTRACTOR FURNISHED. INSIDE DIAMTER CONTRACTOR INSTALLED INTERIOR INVFRT CFOI CONTRACTOR FURNISHED. LANDS LANDSCAPE OWNER INSTALLED LAVATORY CORNER GUARD LONG LEG HORIZONTAL **CONTROL JOINT** LONG LEG VERTICAL CENTER LINE I OW POINT CLF LIGHT WEIGHT CHAIN LINK FENCE LOUVER **CONCRETE MASONRY UNIT** CMU MACHINE CLEANOUT MACHINE BOLT COMPRESSION / COMPOSITE MDO **CUBIC FEET** MECH **MECHANICAL** COORD COORDINATE MED MEDIUM CORRUGATED MEMB MEMBRANE CORR MANUFACTURER CERAMIC TILE CTSK COUNTER SKUNK MANHOLE **CURTAINWALL** MASONRY OPENING DEPR DEPRESSED / DEPRESSION

MEDIUM DENSITY FIBERBOARD MEDIUM DENSITY OVERLAY MOUNTED **NOT IN CONTRACT** NON RATED NOISE REDUCTION COEFFICIENT NOT TO SCALE OVERALL ON CENTER **OUTSIDE DIAMTER** OWNER FURNISHED, CONTRACTOR INSTALLED OFOI OWNER FURNISHED, OWNER OWNER FURNISHED, VENDOR INSTALLED OPPOSITE HAND OPFRABI F OPENING OVERFLOW ROOF DRAIN PROPERTY LINE PUBLIC ADDRESS POWDER ACTUATED FASTENER PORTLAND CEMENT CONCRETE PEDESTRIAN

PERFORATED

PERPENDICULAR

PANIC HARDWARE

PLASTIC LAMINATE

PAINT / PAINTED

PREFINISHED

POST INDICATOR VALVE

POINT OF CONNECTION

POLYISOCYANURATE

PREP / PREPARATION

PERIMETER

PLASTER

PANEL

PLUMBING

PLUMB

POLY ISO

RECEPT ECEPTACLE REFLECT(ED), (IVE) REFLECT(ED), (IVE) REFRIGERATOR REINFORCE/REINFORCED/ REINFORCEMENT REM **ROUND HEAD ROUND HEAD SCREW** ROUGH OPENING SCHED SECT SND SOV SPEC STSMS SCREW SUSP T&B TPD VTR

WSCT

WWF

PTD

RIGHT OF WAY SCHEDULE (FOR PIPE) SCHEDULE / SCHEDULING STORM DRAIN / SOAP DISPENSER SECTION SAFETY GLASS SHEATHING SHEET METAL SCREW SANITARY NAPKIN DISPOSAL SHUT OFF VALVE SPECIFICATIONS STAINLESS STEEL SOUND TRAMISSION CLASS SELF TAPPING SHEET METAL SUSPENDED SHEET VINYL **SYMMETRICAL** TOP AND BOTTOM TOP OF CURB / CONCRETE TOP OF PARAPET TOP OF STEEL TOP OF WALL **TOILET PAPER DISPENSER** TACKABLE SURFACE UNDER CABINET (OR COUNTER **UNLESS NOTED OTHERWISE VACUUM** VAPOR BARRIER VINYL COMPOSITION TILE VENT THROUGH ROOF VWC VINYL WALL COVERING W/O WITHOUT WOOD BASE WATER CLOSET WD WOOD WDW WINDOW WGT WEIGHT WATER HEATER

Great Kids Child Care Larry Sullivan Park Henry Ct Think Goodness- 👩 ⊈ Edward Ct Buena Tierra Dr E Ferdinand St Larsen Park James Ct dys Poet-Christian Loma Verde Dr Mahogany Ln. -Amber Ct-Fairmont Ln-

Tioga Way Real Estate G

W Central Ave Apartments V

WAINSCOT

**VICINITY MAP** 

Henle Construc

TOTAL SHEET COUNT: 79

SHEET NAME:

**COVER SHEET** 

DATE: 02/23/24 CLIENT PROJ NO: 359500500

PLEASE RECYCLE 🖧

# **GENERAL NOTES**

1. CONSTRUCTION DOCUMENTS DESCRIBE THE

CONSTRUCTION DRAWINGS AND SPECIFICATIONS AS NECESSARY TO DELIVER THE INDICATED RESULTS OF THE DESIGN

AVAILABLE DOCUMENTS AND FIELD CONDITIONS

8. IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM PLANS, SECTIONS OR DETAILS ON 9. DETAILS MARKED 'TYPICAL' SHALL APPLY IN ALL

BETTER CONDITION.

**NORTH ARROW** 

**LOCATION ON SHEET** 

LOCATION ON SHEET

**SECTION CALLOUT** 

LOCATION ON SHEET

**DETAIL CALLOUT** 

LOCATION ON SHEET

FIRST FLOOR

NAME OF ELEVATION (IF APPLICABLE)

+0' - 0"

ELEVATION ABOVE FINISHED FLOOR

INDICATES A SIMILAR CONDITION

SHEET WHERE SECTION IS DRAWN

INDICATES A SIMILAR CONDITION

SHEET WHERE SECTION IS DRAWN

**CONTROL OR DATUM POINT** 

TICK INDICATES PLAN NORTH

**ELEVATION CALLOUT** 

**ELEVATION CALLOUT** 

ARROW INDICATES TRUE NORTH

SHEET WHERE ELEVATION IS DRAWN

SHEET WHERE ELEVATION IS DRAWN

THE REQUIREMENTS OF ALL DISCIPLINES HEREIN

COORDINATED

TITLE 24, CALIFORNIA CODE OF REGULATION

18. A "DSA CERTIFIED CLASS 1 & RBIP PROJECT) INSPECTOR EMPLOYED BY THE DISTRICT PROVIDE CONTINUOUS INSPECTION OF WORK THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR. 19. A DSA ACCEPTED TESTING LABORATORY

DIRECTLY EMPLOYED BY THE DISTRICT (OWNER SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT. THE REPORTS

CBC AND CFC, AND THE WRITTEN SITE FIRE SAFETY PLAN. 22. THE INTENT OF THESE DRAWINGS AND

RESOURCES TECHNICAL REPORT. 24. NO DUMPING OR PLACING OF ANY DIRT OR DEBRIS SHALL BE ALLOWED OUTSIDE OF THE CONTRACTORS LIMIT OF WORK AREA.

25. A CLASS 1 IN-PLANT INSPECTOR IS REQUIRED

FOR THIS PROJECT.

DOOR CALLOUT

MATERIAL FINISH TYPE

(SEE FINISH SCHEDULE)

WINDOW CALLOUT

(SEE WINDOW SCHEDULE)

WINDOW NUMBER

**KEYNOTE** 

INTERIOR FINISH CALLOUT

KEYNOTE NUMBER (SEE LEGEND ON SHEET)

DOOR NUMBER

RECORD, STRUCTURAL ENGINEER OF RECORD OWNER, INSPECTOR OR RECORD, AND THE DSA FIELD ENGINEER. THE REPORTS OF ANY FAILURES OF TESTS AND INSPECTIONS ARE TO BE SUBMITTED TO DSA DISTRICT STRUCTURAL FNGINFFR 20. GRADING PLANS, DRAINAGE IMPROVEMENTS ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES. 21. ALL CONSTRUCTION AND DEMOLITION SHALL BE IN ACCORDANCE WITH CHAPTER 33 OF THE

PLATFORM LIFTS AND STAIRWAY CHAIR LIFTS UL 521

STATE OF CALIFORNIA AMENDMENTS TO NFPA

DRINKING FOUNTAIN

EXTERIOR INSULATION FINISH

DIMENSION

DISPENSER

DOWNSPOUT

DISHWASHER

ELECTRICAL

EDGE OF SLAB

EXPOSED

FIRE ALARM

FLOOR DRAIN

FINISH FLOOR

FINISH GRADE

FIRE HYDRANT

FI OOR

FIRE HOSE CABINET

FLAT HEAD SCREW

FACE OF CONCRETE

FACE OF MASONRY

FIRE RATED GLASS

FACE OF FINISH

FACE OF STUD

**FIREPROOFING** 

FIRE RATED

ELECTRICAL PANEL

FIRE EXTINGUISHER

**EXPANSION JOINT** 

**ELEVATION / ELEVATOR** 

**ENCLOSE / ENCLOSURE** 

ELECTRIC WATER COOLER

FIRE DEPARTMENT CONNECTION

FIRE EXTINGUISHER W/ CABINET

EACH WAY

DS

E/W

SYSTEM

ELEC

**ENCL** 

EXP

FDC

FSH

FIN

FLR

FOM

FOS

FA

**ABBREVIATIONS** 

FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2022 CBC (SFM) CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 80.

FOLDING AND TELESCOPING SEE CALIFORNIA BUILDING CODE, CHAPTER 35 FOR

STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING

2003 ED. 1999 ED.

SEATING AND GRANDSTANDS

(R2014)

STANDARD FOR SIGNALING 2002 ED. DEVICES FOR THE HEARING (R2018) STANDARD FOR BLEACHERS, 2017 ED.

COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.

THE PROJECT PLANS AND SPECIFICATIONS.

ARCHITECT OR ENGINEER DESIGNATED TO BE IN 2018 ED.

MECHANICAL SYSTEM ACCEPTANCE TESTS MUST

OCTOBER 1,2021. A LISTING OF CERTIFIED ATT CAN BE FOUND AT: https://www.energy.ca.gov/programs-and-topics/progora ms/acceptance-test-technician-certified-provider-progora

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

TO CONFIRM THAT THE REQUIRED ACCEPTANCE

TESTS HAVE BEEN COMPLETED. **ALTERNATES** 

NONE

**DEFERRED ITEMS** 

WATERPROOFING/WALL PROTECTION WATER RESISTANT WATER RESISTANT GYPSUM WOOD SCREW

WELDED WIRE FABRIC OTHER ABBREVIATIONS USED ON THESE DRAWINGS ARE CONSIDERED STANDARDS IN THE BUILDING INDUSTRY. CONTACT ARCHITECT FOR NECESSARY CLARIFICATION.

**AGENCY** 

**HMC Architects** 

2101 CAPITOL AVENUE, SUITE 100

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1875 LOWELL AVE, TRACY, CA 95376

HMC ARCHITECTS

1117 WINDFIELD WAY, SUITE 110

OPTIMIZED ENERGY AND

**FACILITIES CONSULTING** 

5734 LONETREE BLVD, ROCKLIN, CA 95765

EL DORADO HILLS, CA 95762

**ELECTRICAL ENGINEER** 

TRACY UNIFIED SCHOOL DISTRICT

2101 CAPITOL AVE, SUITE 100, SACRAMENTO, CA 95816

WARREN CONSULTING ENGINEERS

3595005000

SACRAMENTO, CA 95816

(209) 830-3245

ARCHITECT

(916) 368-7990

(916) 985-1870

(916) 626-5518

**CIVIL ENGINEER** 

APPROVAL:

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITE

C-35691

REN. 05/31/25

APP: 02-122977 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

POET CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE. **TRACY, CA 95376** 

POET CHRISTIAN ES - TK CLASSROOM

CONSTRUCTION DOCUMENTS

California Building Code (CBC) and California Fire Code (CFC) minimum requirements as indicated by one of more of the conditions indicated at items 4a, 5a, 6a, or 7a, for providing fire and life safety protection of life Accepted by #02-122130 go in either direction LOCAL FIRE AUTHORITY (LFA) INFORMATION LFA Agency Name: LFA Review Official: go in either direction Work Email: LFA Reviewer's Signature: (E) SHADE #02-120667 STRUDSAURE #02-120667 (E) FIRE LANE DSA #02-101201 UNIT A DSA #52007 DSA #02-116577 UNIT B DSA #52007 DSA #02-11657 UNIT H DSA #52007 UNIT D DSA #52007 UNIT G DSA #52007 UNIT UNIT C P11 & DSA #52007 DSA #02-116577 UNIT F DSA #52007 DSA #52007 UNIT P7 #02-100499 UNIT P6 UNIT P8 UNIT P9 & P10 DSA #68425 DSA #02-100499 DSA #02-101201 FIRE AUTHORITY SITE PLAN

LEGEND **— ---** PROPERTY LINE NEW BUILDINGS EXISTING BUILDINGS ×—× (E) CHAIN LINK FENCE

**FUTURE BUILDINGS** (E) FIRE HYDRANT

CONCRETE WALK / PAVING

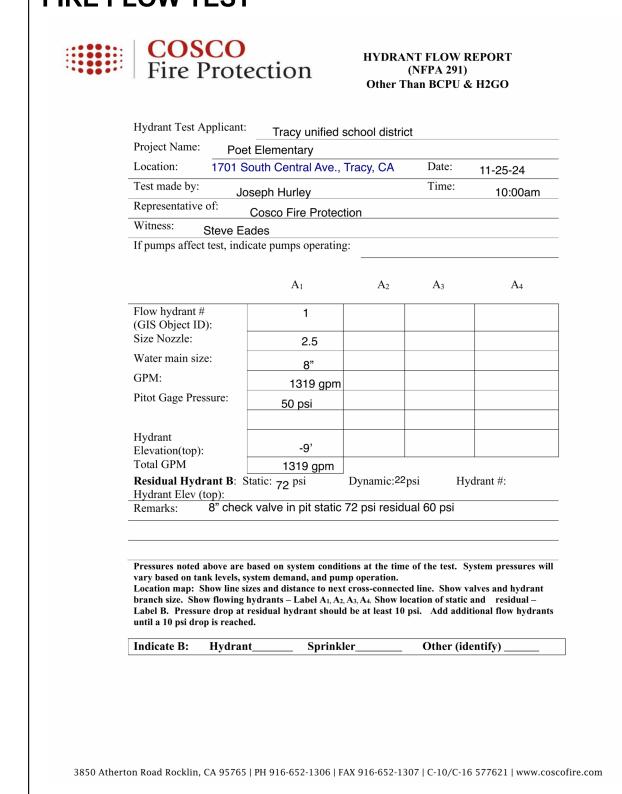
(E) FIRE LANE

# LOCAL FIRE AUTHORITY REVIEW

**DSA-810** FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL PROJECT INFORMAITION School District: TRACY UNIFIED SCHOOL DISTRICT Project name / school: POET-CHRISTIAN ELEMENTARY SCHOOL Project address: 1701 S CENTRAL AVE, TRACY, CA 95376 FIRE & LIFE SAFTEY INFORMATION ALTERNATE ACCEPTED 1. Has a fire hydrant flow test been preformed within the past 12 months? (If yes, provide a copy of the test data) 2. Was the fire hydrant water flow test performed as part of this LFA review? 3. Is the project located within a designated fire hazard serverity zone as established by Cal-Fire? (If yes, indicate fire hazard zone classification below) Refer to the following for fire hazard zone locations: www.fire.ca.gov/fire\_prevention/fire\_prevention\_wildland \_zones\_maps Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A) CONDITION MEANS AND METHODS RESOLUTION ALTERNATE ACCEPTED Yes No N/A N/R 4. Emergency vehicle access roadways do not meet CFC requirements 4a. **Acceptable Alternative:** Emergency vehicle and personel access as proposed by the architect is acceptable for providing fire suppression and protection of life and property Fire Hydrants: Number and spacing does not meet CFC requirements 5a. **Acceptable Alternative:** Number of fire hydrants and spacing as proposed by the architect is acceptable for fire suppression and protection of life and property. 6. **Fire Hydrants:** Water flow and pressure are less than CFC minimum. 6a. **Acceptable Alternative:** The available flow and pressure is acceptable for providing fire suppression and protection of life and property. 7. Location of fire department connection(s) serving fire sprinkler system or standpipe system does not meet CFC requirements. 7a. **Acceptable Alternative:** The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property. School District Acceptance of Acceptable Design Alternates
By signing this form, the school district acknowledges and accepts the proposed design as an alternative to

Work Phone:

# FIRE FLOW TEST



# SEE OTHER SHEETS FOR CONSTRUCTION

THIS PLAN INCLUDES INFORMATION FOR LOCAL FIRE AUTHORITY APPROVAL ONLY. REFER TO OTHER SHEETS FOR SITE CONSTRUCTION DETAILS.

# **EMERGENCY RESPONDER RADIO COVERAGE**

NEW BUILDINGS SHALL PE PROVIDED WITH EMERGENCY RESPONDER RADIO COVERAGE IN ACCORANCE WITH CALIFORNIA FIRE CODE SECTION 510. THE PROJECT ARCHITECT (AOR) SHALL CONTACT THE LOCAL FIRE DEPARTMENT AND/OR EMERGENCY COMMUNICATIONS AUTHORITY TO OBTAIN DESIGN, EQUIPMENT SPECIFICATIONS, TESTING AND ACCEPTANCE CRITERIA. PLANS AND REQUEST DOCUMENTATION SHALL BE SUBMITTED TO THE LOCAL AUTHORITY HAVING JURISDICTION FOR REVIEW AND APPROVAL UPON COMPLETION, COPIES OF THE APPROVED PLANS, EQUIPMENT DATA SHEETS, TESTING AND ACCEPTANCE DOCUMENTATION SHALL BE PROVIDED TO THE SCHOOL DISTRICT.

**AGENCY** APPROVAL:

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-122977 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

> C-35691 REN. 05/31/25

> > DATE

3/20/25



**HMC** Architects

3595005000

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

△ **DESCRIPTION** 

ADDENDUM "A"

**KEYNOTES** 

**SHEET NOTES** 

SN.01 (E) FIRE HYDRANT SN.02 (E) 20' - 0" FIRE ACCESS GATE WITH KNOX BOX

FACILITY:

POET CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE. **TRACY, CA 95376** 

PROJECT:

POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME: LOCAL FIRE AUTHORITY SITE PLAN

**CONSTRUCTION DOCUMENTS** 

CLIENT PROJ NO: 3595005000 DATE: 02/23/24

**ABBREVIATIONS** 

NOTE: NOT ALL ABBREVIATIONS

MAY BE USED ON THESE PLANS.

AGGREGATE BASE

AIR RELEASE VALVE

BLOW-OFF VALVE

BUTTERFLY VALVE

CABLE TELEVISION

COMMUNICATION

BACK OF WALK

CENTERLINE

CLEANOUT

CONCRETE

CONSTRUCT

DROP INLET

DIAMETER

DRAWING

**ELECTRIC** 

EASEMENT

EXISTING

FLOWLINE

FIRE HYDRANT

GATE VALVE

HOSE BIBB

HIGH POINT

LINEAL FEET LIP OF GUTTER

MOWSTRIP NOT TO SCALE

OVERHEAD

PLANTER DRAIN

PROPERTY LINE

RIGHT OF WAY

STORM DRAIN

SCHEDULE

STANDARD

TELEPHONE

TOP OF CURB

TRENCH DRAIN

TELEPHONE POLE

TOP OF SEAT WALL

VITRIFIED CLAY PIPE

UNDERGROUND

SIDEWALK

UTILITY

WATER WITH

WITHOUT WATER VALVE

POWER POLE

RADIUS

SCH

SSMH

STD

S/W

TDCB

TRW

VCP

W/O

POST INDICATOR VALVE

POLYVINYL CHLORIDE

STORM DRAIN MANHOLE

SANITARY SEWER MANHOLE

TRENCH DRAIN CATCH BASIN

TOP OF RAMP ELEVATION

TOP OF WALK ELEVATION

UNLESS OTHERWISE NOTED

TOP OF RETAINING WALL

SUBGRADE ELEVATION

SANITARY SEWER

PUBLIC UTILITY EASEMENT

REINFORCED CONCRETE PIPE

MANHOLE RIM ELEVATION (SOLID COVER)

REDUCED PRESSURE BACKFLOW PREVENTER

LEFT

HEADER BOARD

GRATE ELEVATION

GRADE ELEVATION

PIPE INVERT ELEVATION

JOINT UTILITY POLE

DOWNSPOUT

CURB RETURN

CONCRETE SURFACE

DUCTILE IRON PIPE

EDGE OF PAVEMENT

FIRE SERVICE LINE

DOUBLE CHECK VALVE

DECOMPOSED GRANITE

DOUBLE DETECTOR CHECK VALVE

FIRE DEPARTMENT CONNECTION

SANITARY SEWER FORCE MAIN

HIGH DENSITY POLYETHYLENE PIPE

PORTLAND CEMENT CONCRETE

FINISHED FLOOR ELEVATION

CLASS

CATCH BASIN

AREA DRAIN

ARV

ASB

CATV

CONC.

CONST.

DWG

**ESMT** 

ASPHALTIC CONCRETE

AGGREGATE SUB-BASE

CORRUGATED METAL PIPE

ASSESSOR'S PARCEL NUMBER

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

# PROPOSED GRADING & DRAINAGE SYMBOLS: STORM DRAIN LINE

**LEGEND** 

STORM DRAIN LINE
(SIZE AND FLOW SHOWN)

STORM DRAIN MANHOLE
(SDMH)

CATCH BASIN (CB)

DROP INLET (DI)

AREA DRAIN (AD)

PLANTER DRAIN (PD)

FLOOR DRAIN (FD)

PLANTER DRAIN (PD) OR FLOOR DRAIN (FD)

STORM DRAIN CLEANOUT

99.99

ELEVATION

FF=100.00 FINISHED FLOOR ELEVATION
PAD=99.33 BUILDING PAD ELEVATION
CONCRETE SIDEWALK

GRADED DIRECTION FOR DRAINAGE FLOW

SWALE

SLOPE

TREE TO BE REMOVED

TREE TO BE REMOVED

RETAINING WALL

PROPOSED SANITARY SEWER SYMBOLS:

SEWER CLEANOUT

FLUSHER BRANCH

SANITARY SEWER LINE
(SIZE AND FLOW SHOWN)

SANITARY SEWER
MANHOLE (SSMH)

#### PROPOSED WATER SYMBOLS:

BUTTERFLY VALVE

POST INDICATOR VALVE

AIR RELEASE VALVE + SIZE

BLOW-OFF VALVE + SIZE

#### **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.



2. 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.

3. 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.
- 7. 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 SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED OR REPLACED TO THE 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, REFER TO SPECIFICATIONS FOR AS-BUILT DELIVERABLE REQUIREMENTS.
- 9. 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.
- 11. SUBGRADE AND RESULTING FINISHED GRADE SHALL BE CONSTRUCTED SMOOTH AND UNIFORM BETWEEN SPOT ELEVATIONS, CONTOURS 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
- 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

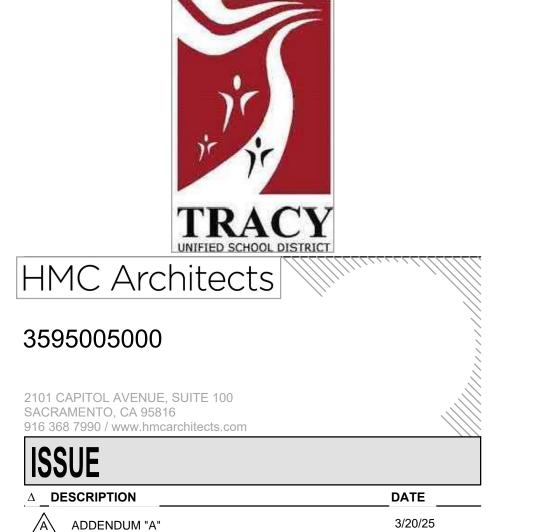
AGENCY APPROVAL: IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

APP: 02-122977 INC:

REVIEWED FOR

SS FLS ACS D

DATE: 03/12/2025



**KEYNOTES** 

**GENERAL NOTES** 



FACILITY:

POET-CHRISTIAN ELEMENTARY SCHOOL

1701 S CENTRAL AVE

TRACY, CA 95376

PROJECT:

POET-CHRISTIAN ES - TK CLASSROOM

SHEET NAME:

CIVIL GENERAL NOTES AND ABBREVIATIONS

# CONSTRUCTION DOCUMENTS

DATE: **1/16/202** 

PLEASE RECYCLE

\_\_\_\_

CLIENT PROJ NO: 3595005

:0.1

**AGENCY** APPROVAL:

**DEMOLITION NOTES** 

IRRIGATION PIPING/SPRINKLERS WITHIN AREAS OF WORK. CUT AND CAP ANY MAINLINES NEAR WHERE THEY ENTER THE

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-122977 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹



3595005000

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

**△ DESCRIPTION** ADDENDUM "A"

DATE

3/20/25

**KEYNOTES** 

**GENERAL NOTES** 



POET-CHRISTIAN ELEMENTARY SCHOOL

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

1701 S CENTRAL AVE **TRACY, CA 95376** 

PROJECT: POET-CHRISTIAN ES - TK CLASSROOM

SHEET NAME:

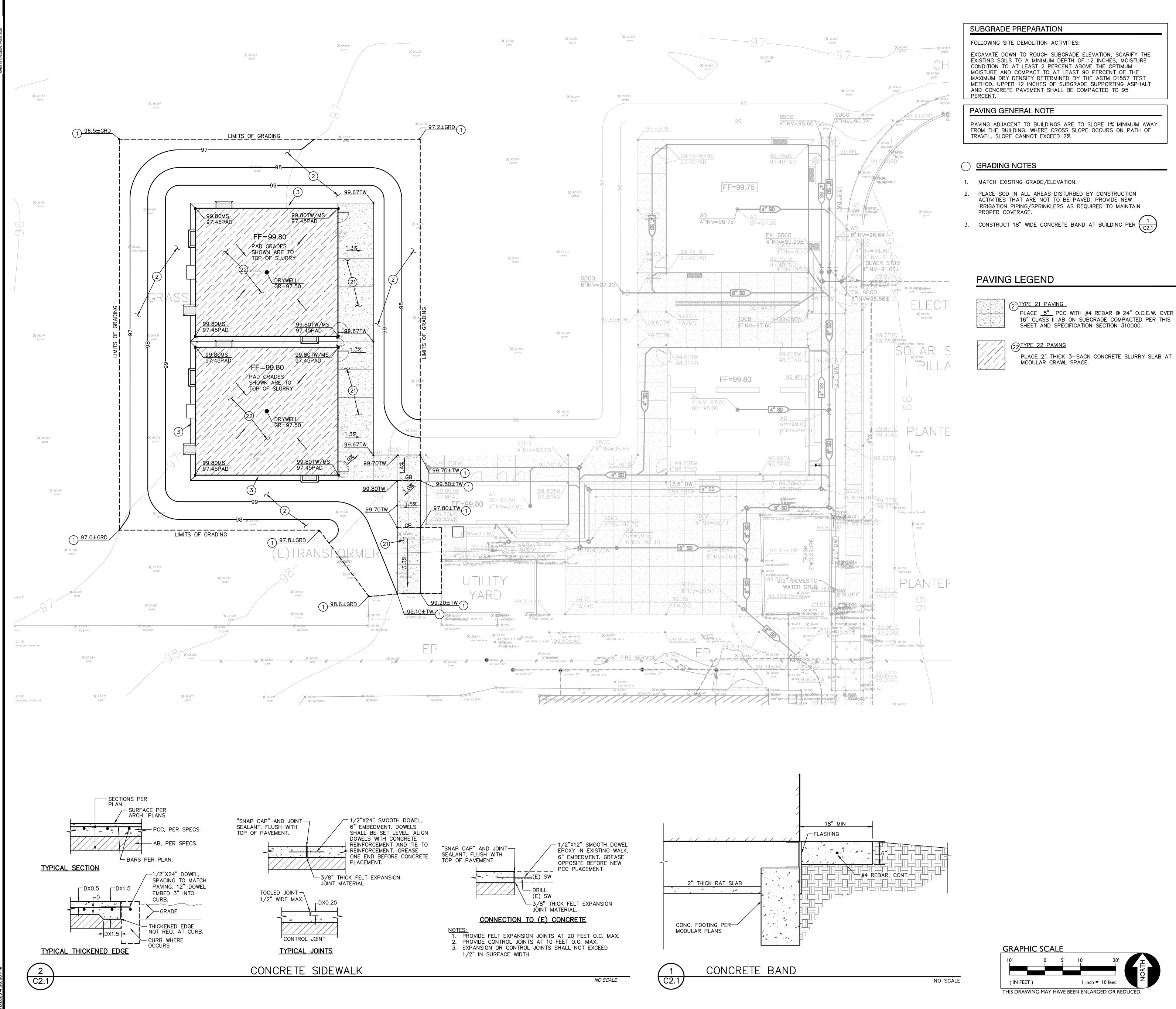
**DEMOLITION PLAN** 

CONSTRUCTION DOCUMENTS

DATE: 1/16/2024

CLIENT PROJ NO: 359500500

FILENAME: I: \24-151\POET CHRISTIAN\DWG\24-151-C11-POET.DWG



FROM THE BUILDING. WHERE CROSS SLOPE OCCURS ON PATH OF

PLACE <u>5"</u> PCC WITH #4 REBAR @ 24" O.C.E.W. OVER <u>2</u> 16" CLASS II AB ON SUBGRADE COMPACTED PER THIS SHEET AND SPECIFICATION SECTION 310000.

**AGENCY** APPROVAL:

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-122977 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 03/12/2025



HMC Architects

3595005000

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

A ADDENDUM "A"

△ **DESCRIPTION** 

3/20/25

DATE

**KEYNOTES** 

**GENERAL NOTES** 



POET-CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE

PROJECT:

POET-CHRISTIAN ES - TK CLASSROOM

SHEET NAME:

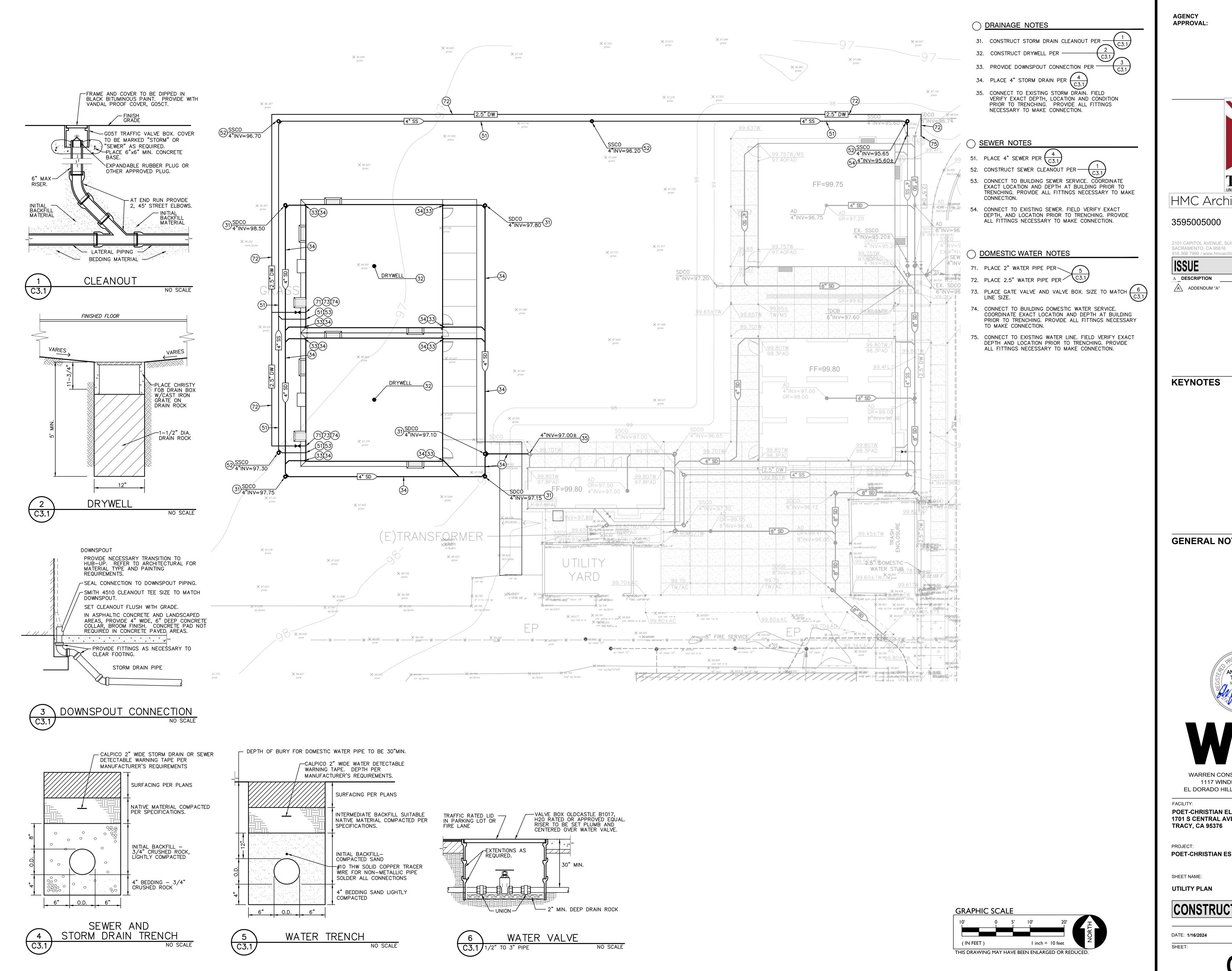
TRACY, CA 95376

GRADING AND PAVING PLAN

CONSTRUCTION DOCUMENTS

DATE: 1/16/2024 SHEET:

CLIENT PROJ NO: 359500500



IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-122977 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 03/12/2025

DATE

3/20/25



3595005000

2101 CAPITOL AVENUE, SUITE 100

916 368 7990 / www.hmcarchitects.com

DESCRIPTION

A ADDENDUM "A"

**KEYNOTES** 

**GENERAL NOTES** 



1117 WINDFIELD WAY, SUITE 110 EL DORADO HILLS, CA 95762 | (916) 985-1870

WARREN CONSULTING ENGINEERS, INC.

POET-CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE

PROJECT:

POET-CHRISTIAN ES - TK CLASSROOM

SHEET NAME:

**UTILITY PLAN** 

CONSTRUCTION DOCUMENTS

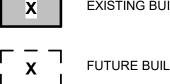
DATE: 1/16/2024 SHEET:

PLEASE RECYCLE

CLIENT PROJ NO: 3595005000

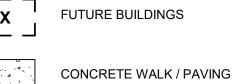
**LEGEND** 

PROPERTY LINE



(E) FIRE HYDRANT

×—× (E) CHAIN LINK FENCE



ACCESSIBLE PATH OF TRAVEL (SEE DEFINITION ON

THIS SHEET)



**ACCESSIBLE PATH OF TRAVEL** 

THE P.O.T. THAT WERE DETERMINED TO BE NON-COMPLIANT

1. HAVE BEEN IDENTIFIED AND

DOCUMENTS.

PATH OF TRAVEL (P.O.T.) AS INDICATED, IS A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE EXCEPT LEVEL

CHAGES THAT DO NOT EXCEED 1/4" VERTICAL. THE PATH OF TRAVEL IS AT LEAST 48" WIDE WITH SLIP RESISTANT SURFACE, STABLE, FIRM AND SMOOTH. CROSS-SLOPE DOES NOT EXCEED 2%

AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. THE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTION TO 80" A.F.F.

MINIMUM AND WALL MOUNTED OBJECTS WITH THE BOTTOM EDGE BETWEEN 27" AND 80" A.F.F. SHALL PROTRUDE NO MORE THAN 4" INTO THE PEDESTRIAN CIRCULATION AREA. ARCHITECT TO

**EXISTING PATH OF TRAVEL (ARCHITECT'S STATEMENT)** 

IDENTIFIED IN THESE DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA

VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED OR WILL BE

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE IN CHARGE STATEMENT: THE P.O.T.

BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS, AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS, OR PORTIONS OF

2. THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN

SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS.

AS CBC COMPLIANT ARE FOUND TO BE NON-CONFORMING BEYOND REASONABLE

PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

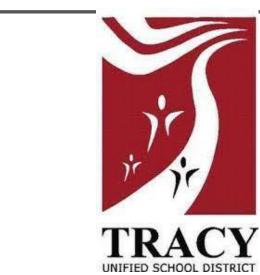
INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS, AND

ANY NON-COMPLIANT ELEMENTS, COMPONENTS, OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION

DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THIS PROJECT REPRESENTED

CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT TO COMPLIANCE WITH THE CBC AS

REMOVED UNDER PROJECT, AND PATH OF TRAVEL COMPLIES WITH CBC 11B-202.4.



IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITEC

REVIEWED FOR

SS 🗹 FLS 🗹 ACS 🗹

REN. 05/31/25

DATE

3/20/25

APP: 02-122977 INC:

**HMC** Architects

#### 3595005000

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

**AGENCY** 

APPROVAL:

△ **DESCRIPTION** 

A ADDENDUM "A"

# **EXISTING PARKING CALCULATIONS**

TOTAL EXISTING PARKING STALL COUNT:

ACCESSIBLE PARKING STALLS (PER TABLE 11B-208.2) REQUIRED ACCESSIBLE STALLS REQUIRED VAN ACCESSIBLE STALLS EXISTING ACCESSIBLE STALLS PROVIDED

2 (26-50 TOTAL STALLS) 1 (1-6 ACCESSIBLE STALLS) 1 STANDARD & 1 VAN

**47 STALLS** 

# **GENERAL NOTES**

- 1. CONTRACTOR SHALL PROVIDE TEMPORARY FENCING DURING CONSTRUCTION TO SECURE ENTIRE AREA OF WORK. 2. CONTRACTOR SHALL COMPLY WITH 2019 CALIFORNIA FIRE CODE
- CHAPTER 33, FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION, THROUGHOUT THE ENTIRE PROJECT. 3. FENCE GRAPHICS AS SHOWN IN THE LEGEND ARE SCHEMATIC.
- ACTUAL FENCE POST LOCATIONS ARE TO BE COORDINATED BY
- 4. PROVIDE 3/4" CHAMFER AT EXPOSED EDGES OF CONCRETE, UNLESS OTHERWISE INDICATED.

# **BUILDING DATA AND CODE ANALYSIS**

BLDG.	OCCUPANCY	CONSTRUCTION TYPE	OCC. LOAD	ALLOWABLE AREA (S.F.)	ACTUAL AREA (S.F.)
P16	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
P17	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
			TOTAL: 72 OCC.		TOTAL: 3,420 S.F. < 9,500 S.F. = OK

# **EMERGENCY RESPONDER RADIO COVERAGE**

NEW BUILDINGS SHALL BE PROVIDED WITH EMERGENCY RESPONDER RADIO COVERAGE IN ACCORDANCE WITH CALIFORNIA FIRE CODE SECTIO 510. THE PROJECT ARCHITECT (AOR) SHALL CONTACT THE LOCAL FIRE DEPARTMENT AND/OR EMERGENCY COMMUNICATIONS AUTHORITY TO OBTAIN DESIGN, EQUIPMENT SPECIFICATIONS, TESTING AND ACCEPTANCE CRITERIA. PLANS AND REQUEST DOCUMENTATION SHALL BE SUBMITTED TO THE LOCAL AUTHORITY HAVING JURISDICTION FOR REVIEW AND APPROVAL. UPON COMPLETION, COPIES OF THE APPROVED PLANS, EQUIPMENT DATA SHEETS, TESTING AND ACCEPTANCE DOCUMENTATION SHALL BE PROVIDED TO THE SCHOOL DISTRICT.

# SEE OTHER SHEETS FOR CONSTRUCTION

THIS PLAN INCLUDES CODE INFORMATION ONLY, INCLUDING ACCESSIBLE FEATURES ALONG THE PATH OF TRAVEL. REFER TO OTHER SHEETS FOR SITE CONSTRUCTION

#### **SHEET NOTES** SN.01 (E) FIRE HYDRANT

SN.02 INSTALL TOW AWAY SIGN PER DETAIL 15 & 16/A10.01 SN.03 (E) ACCESSIBLE PARKING PER DSA #02-120667

SN.04 (E) ACCESSIBLE CURB RAMP PER DSA #02-120667 SN.05 (E) SOLAR ARRAY STRUCTURE PER DSA #02-118908

SN.06 (E) ACCESSIBLE PEDESTRIAN GATE WITH PANIC HARDWARE PÉR DSA #02-120667 SN.07 (E) ACCESSIBLE BOYS, GIRLS, AND STAFF RESTROOMS PER

DSA #02-120667

COOLER. SEE DETAILS 18, 19 & 20 ON A10.01.

SN.08 NOT USED "ELKAY EZH20 VANDAL-RESISTANT, MECHANICAL BOTTLE FILLING STATIONS AND BI-LEVEL COOLER, NON-FILTERED, NON-REFRIGERATED S.S. MODEL VRCTLDDWSK\_MECH, LEFT HAND" AT SAME LOCATION.

REMOVE AND PATCH EXISTING CEMENT PLASTER AS REQUIRED FOR

THE INSTALL OF THE NEW BOTTLE FILLER STATION AND BI-LEVEL

FACILITY:

POET CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE. **TRACY, CA 95376** 

PROJECT:

POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME: SITE PLAN AND CODE INFORMATION

**CONSTRUCTION DOCUMENTS** 

CLIENT PROJ NO: 359500500

SITE PLAN AND CODE ANALYSIS

PLEASE RECYCLE

**LEGEND** APPROVAL: × × × (E) CHAINLINK FENCE **NEW BUILDINGS** EXISTING BUILDINGS × × × CHAINLINK FENCE CONCRETE WALK / PAVING EXPANSION JOINT (20'-0" MAX. SPACING) CONTROL JOINT (10'-0" MAX. SPACING) **GATE SCHEDULE** ADDENDUM "A" GATE NO. TYPE PAIR Width Height NOTES G01 Gate 2 SEE DETAIL 6/A10.01 下 SN.05 − SN.02 -SN.01 -SN.04 → SN.05 SN.01 -\_\_ ALIGN \_ SN.03 -SN.02 6'-0" (E) P14 **ENLARGED SITE PLAN** 1/8" = 1'-0"

**AGENCY** 

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 02-122977 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 03/12/2025

> C-35691 REN. 05/31/25

> > DATE

3/20/25



**HMC** Architects

### 3595005000

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

△ **DESCRIPTION** 

**KEYNOTES** 

32.090 CHAIN LINK FENCE, SEE DETAIL 7 / A10.01 32.091 CHAIN LINK GATE, SEE DETAIL 6 / A10.01

**GENERAL NOTES** 

- 1. CONTRACTOR SHALL PROVIDE TEMPORARY FENCING DURING CONSTRUCTION TO SECURE ENTIRE AREA OF WORK.
- CONTRACTOR SHALL COMPLY WITH 2019 CALIFORNIA FIRE CODE CHAPTER 33, FIRE SAFETY DURING CONSTRUCTION AND
- DEMOLITION, THROUGHOUT THE ENTIRE PROJECT. 3. FENCE GRAPHICS AS SHOWN IN THE LEGEND ARE SCHEMATIC. ACTUAL FENCE POST LOCATIONS ARE TO BE COORDINATED BY
- THE CONTRACTOR.
  4. PROVIDE 3/4" CHAMFER AT EXPOSED EDGES OF CONCRETE, UNLESS OTHERWISE INDICATED.

**SHEET NOTES** 

SN.01 CONCRETE APRON SN.02 1'-6"x4' FOUNDATION VENT WITH GRATE PER DETAIL 2/S1.4 SN.03 2'x3' ACCESS VENT WITH GRATE PER DETAIL 1/S1.5

SN.04 HVAC UNIT
SN.05 ROOF OVERHEAD, SHOWN DASHED
SN.06 CHAINLINK FENCE, SEE

SN.07 (E) CONCRETE PAVING SN.08 (E) CHAINLINK FENCE

POET CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE. TRACY, CA 95376

PROJECT:

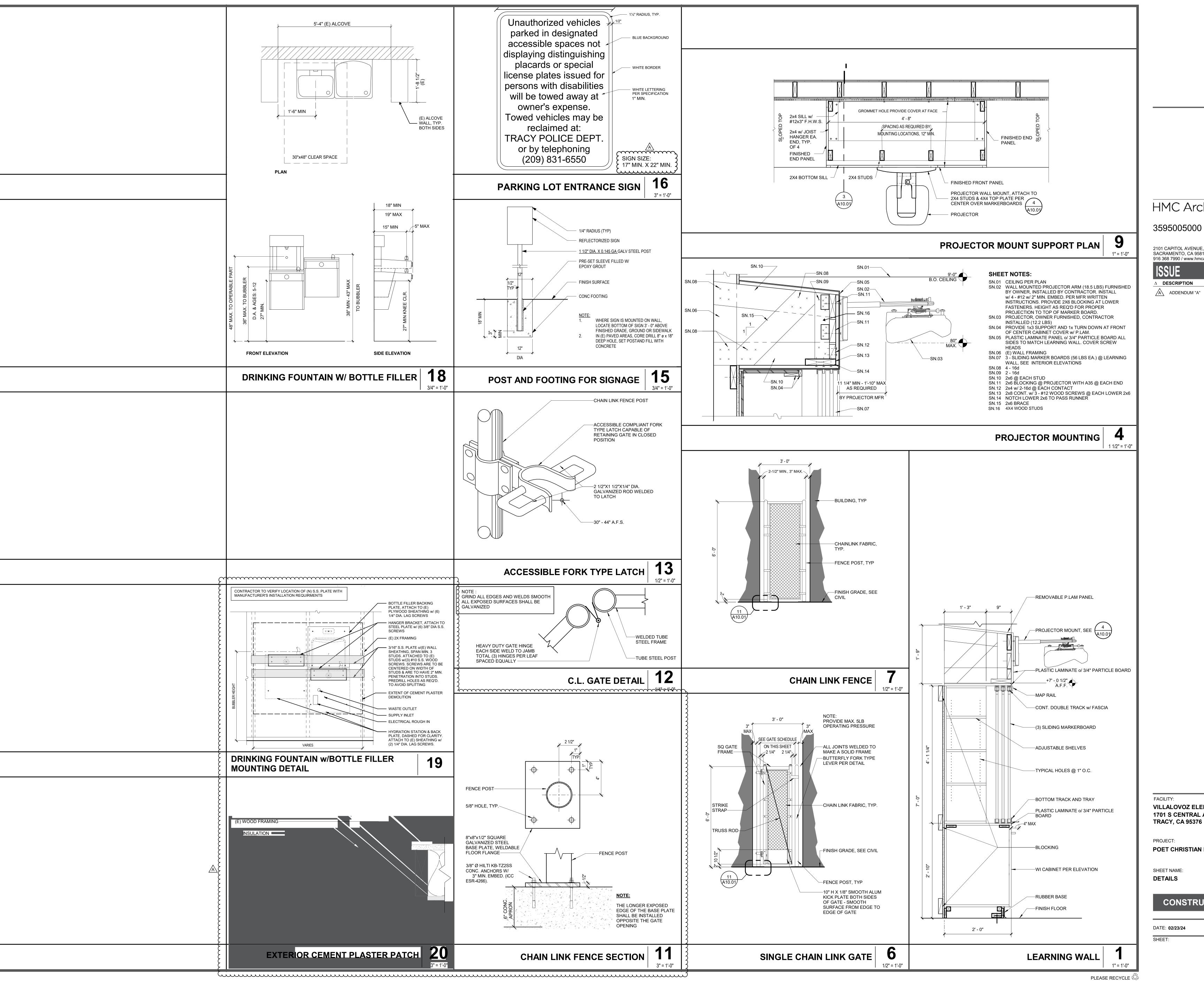
POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:

ENLARGED SITE PLAN AND SITE DETAILS

CONSTRUCTION DOCUMENTS

CLIENT PROJ NO: 3595005000 DATE: **02/23/24** 



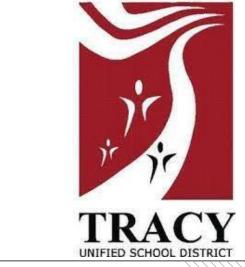
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-122977 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

C-35691

REN. 05/31/25

DATE

3/20/25



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**DESCRIPTION** 

ADDENDUM "A"

VILLALOVOZ ELEMENTARY SCHOOL 1701 S CENTRAL AVE.

POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:

**CONSTRUCTION DOCUMENTS** 

CLIENT PROJ NO: 359500500

#### ELECTRICAL GENERAL NOTES

- 1) ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN COMPLIANCE WITH THE FOLLOWING CODES AS AMENDED AND ADOPTED BY THE AUTHORITY(IES) HAVING JURISDICTION: 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), 2022 CALIFORNIA BUILDING CODE (CBC), 2022 CALIFORNIA FIRE CODE (CFC), 2022 CALIFORNIA MECHANICAL CODE (CMC), 2022 CALIFORNIA PLUMBING CODE (CPC), 2022 CALIFORNIA ELECTRICAL CODE (CEC), 2022 CALIFORNIA ENERGY CODE (CENC), 2022 CALIFORNIA GREEN BUILDING CODE (CGC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), TITLE 19 C.C.R. PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS, AND ANY OTHER LOCAL CODES, ORDINANCES, REGULATIONS, OR AUTHORITIES HAVING JURISDICTION. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES OR OTHER CODES AND REGULATIONS APPLICABLE TO THIS PROJECT. THESE CODES SHALL DETERMINE MINIMUM REQUIREMENTS FOR MATERIALS, METHODS, AND LABOR PRACTICES NOT OTHERWISE DEFINED IN THESE SPECIFICATIONS.
- 2) ALL CONDUCTORS SHALL BE PER DESIGN SHEETS. CEC AND MAXIMUM VOLTAGE DROP OF 5% WILL DEFINE CONDUCTOR SIZING.
- 3) ALL CONDUCTORS SHALL BE IN CONDUITS, U.O.N. CONDUITS SHALL BE USED IN THE FOLLOWING - POLYVINYL CHLORIDE (PVC) CONDUITS ALLOWED FOR UNDERGROUND OTHERWISE PROVIDE RMC OR IMC,
- INSTALL PER CEC TABLE 300.5 BURIAL DEPTH REQUIREMENTS - ELECTRICAL METALLIC TUBING (EMT) WITH COMPRESSION FITTINGS MAY BE USED IN OR ON WALLS OR CEILINGS WHERE NOT SUBJECT TO MECHANICAL DAMAGE, DAMP CONDITIONS OR CORROSIVE
- LIQUID TIGHT FLEXIBLE METAL CONDUIT WHERE REQUIRED; - FLEXIBLE METALLIC CONDUIT, WHERE REQUIRED BY CEC, IN DRY LOCATIONS. NOTE: ALL CONDUITS IN HAZARDOUS LOCATIONS (PER CEC) SHALL MEET THE REQUIREMENTS OF CEC CHAPTER 5. - CONNECTION TO LIGHT FIXTURES ABOVE LAY—IN CEILING MAY USE 3/8" FLEXIBLE METAL CONDUIT PER
- CEC 348.20(A)(2) - ALL EXPOSED CONDUIT SUBJECT TO WEAR OR COLLISION SHALL BE RIGID GALVANIZED STEEL (RGS) OR INTERMEDIATE METALLIC TUBING (IMT). APPLY BITUMASTIC COATING TO ALL METALLIC CONDUITS IN SLABS OR UNDERGROUND. - PROVIDE FIRE RETARDANT U.L. APPROVED SEALANT ON ALL RACEWAY PENETRATIONS OF FIRE RATED CEILINGS, PARTITIONS, WALLS AND STRUCTURAL SLABS.
- 4) FOR TELEPHONE SYSTEM: PROVIDE GROUNDING FOR ALL TELEPHONE BACKBOARDS, TERMINAL CABINETS AND EQUIPMENT PER REQUIREMENTS OF CEC 800 AND TELEPHONE COMPANY.
- 5) ALL EQUIPMENT SHALL BE PROVIDED WITH AN APPROVED DISCONNECTING MEANS PER CEC. ALL DISCONNECT SWITCHES SHALL BE SIZED PER CEC TO ACCOMMODATE EQUIPMENT SERVED, INCLUDING REQUIRED FUSES, U.O.N. SWITCHES SHALL BE HORSE POWER RATED, OF HEAVY DUTY TYPE. PROVIDE MEANS FOR PAD LOCKING IN THE OPEN POSITION.
- 6) ALL CIRCUIT BREAKERS SHALL BE INVERSE TIME (THERMAL MAGNETIC) "PERMANENT TRIP" TYPE. TWO AND THREE POLE CIRCUIT BREAKERS SHALL BE COMMON TRIP. AMPACITY IS EQUAL TO OR GREATER THAN CIRCUIT BREAKER FRAME AMPERE RATING.
- 7) ALL CONNECTIONS TO GROUND RODS AND GRID, ETC., SHALL BE MADE WITH U.L. APPROVED WELDED CONNECTIONS, UNLESS NOTED OTHERWISE.
- 8) LIGHTING SYSTEMS SHALL COMPLY WITH CENC. ALL LIGHTING FIXTURES, LAMPS, BALLASTS, DIMMER SWITCHES, AND CONTROLS SHALL BE CERTIFIED WITH THE CALIFORNIA ENERGY COMMISSION AS MEETING ALL CENC REQUIREMENTS AND BE LISTED IN THE APPLICABLE ENERGY COMMISSION DIRECTORY. ALL SUCH DEVICES AND EQUIPMENT SHALL BE INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS. LIGHT FIXTURES IN SUSPENDED CEILINGS SHALL BE SUPPORTED IN STRICT ACCORDANCE WITH CBC SEISMIC REQUIREMENTS.
- 9) LIGHT POLLUTION REDUCTION: OUTDOOR LIGHTING SYSTEMS SHALL BE INSTALLED TO COMPLY WITH THE 1) THE MINIMUM REQUIREMENTS IN CENC FOR LIGHTING ZONES 0-4 AS DEFINED IN CH. 10 OF CAC 2) BACKLIGHT RATINGS AS DEFINED IN IES TM-15-11 3) UPLIGHT AND GLARE RATINGS AS DEFINED IN CEC TABLES 130.2-A AND 130.2B 4) ALLOWABLE BUG RATING NOT EXCEEDING THOSE SHOWN IN TABLE 5.106.8, OR
- COMPLY WITH A LOCAL ORDINANCE LAWFULLY ENACTED PURSUANT TO SECTION 101.7, WHICHEVER IS MORE STRINGENT. 10) ALL ELECTRICAL EQUIPMENT, DEVICES, WIRE, ETC., SHALL BE LISTED, FOR THE INTENDED USE, WITH
- TO SUCH EQUIPMENT SHALL BE METALLIC LIQUID TIGHT. ALL EQUIPMENT IN HAZARDOUS LOCATIONS, PER CEC, CHAPTER 5, SHALL BE IN ACCORDANCE WITH THE CEC. ALL EQUIPMENT IN CORROSIVE ENVIRONMENTS SHALL BE IN ENCLOSURES (SUCH AS NEMA 4X) RATED FOR THE ENVIRONMENT.

UNDERWRITER'S LABORATORIES, INC., (UL), WHERE STANDARDS HAVE BEEN ESTABLISHED BY UL. ALL EQUIPMENT SHALL BE RAIN TIGHT WHERE EXPOSED TO THE WEATHER. ALL FLEX CONDUITS CONNECTED

- 11) UTILITY SERVICE AND REQUIREMENTS SHALL BE COORDINATED WITH POWER SERVICE WITH POWER COMPANY; PROVIDE FOR ALL STANDARD POWER COMPANY REQUIREMENTS. FAULT CURRENT RATINGS SHALL BE PROVIDED BY UTILITY.
- 12) THE LAYOUTS OF THE CONTRACT DRAWINGS ARE DIAGRAMMATIC. IT IS NOT INTENDED TO SHOW EVERY OFFSET AND FITTING. NOR EVERY STRUCTURAL DIFFICULTY THAT WILL BE ENCOUNTERED DURING THE INSTALLATION OF THE WORK. ALIGNMENT OF EQUIPMENT AND ROUTING OF RACEWAYS MAY BE VARIED SLIGHTLY TO ACCOMMODATE ARCHITECTURAL CONDITIONS OR TO AVOID THE WORK OF OTHER TRADES. IF ANY CONFLICTS OCCUR NECESSITATING DEPARTURES FROM CONTRACT DRAWINGS. DETAILS OF DEPARTURES AND REASONS THEREFORE SHALL BE SUBMITTED AS SOON AS PRACTICABLE FOR WRITTEN APPROVAL OF
- 13) THE WORD "CONTRACTOR", AS USED IN THE ELECTRICAL CONTRACT DOCUMENTS, SHALL MEAN THE PRIME (I.E. GENERAL) CONTRACTOR AND HIS/HER SUBCONTRACTORS FOR THE APPROPRIATE TRADE. WHERE THE OWNER ACTS AS HIS OWN CONTRACTOR, THE WORD CONTRACTOR APPLIES TO THE OWNER.
- 14) CONTRACTOR SHALL PROVIDE EVIDENCE OF LICENSING, BONDING, AND INSURANCE, AND PROVIDE OTHER NECESSARY ADMINISTRATIVE FUNCTIONS FOR CONTRACTOR'S WORK.
- 15) CONTRACTOR SHALL PROCURE AND PAY FOR ALL REQUIRED PERMITS AND SERVICE CHARGES. 16) COORDINATION: CONFORM TO GENERAL CONSTRUCTION CONTRACT DOCUMENTS EXCEPT AS MODIFIED

WITH OTHER TRADES.

17) CUTTING AND PATCHING: ANY CUTTING, ATTACHING, OR WELDING TO BUILDING STRUCTURE SHOULD BE COORDINATED AND APPROVED BY A CALIFORNIA LICENSED STRUCTURAL ENGINEER. PATCHING SUBJECT TO

HEREIN. REFER ALSO TO STRUCTURAL AND MECHANICAL CONTRACT DOCUMENTS. COORDINATE ALL WORK

- 18) SAW CUT TRENCHES IN SLAB SHALL BE FULLY RESTORED AND REINFORCED TO PREVENT SAGGING. ROUGHEN SAW CUT EDGES PRIOR TO RE-POURING CONCRETE.
- 19) COORDINATE ALL WORK WITH OTHER TRADES TO PROVIDE A COMPLETE INSTALLATION. CONNECT ALL EQUIPMENT FURNISHED BY OTHERS AS REQUIRED. INSTALL ALL WORK TO CLEAR ARCHITECTURAL AND

STRUCTURAL MEMBERS. INSTALL ALL ABOVE GRADE (OVERHEAD) PIPING AS HIGH AS PRACTICAL.

- 20) RESTORE ALL DAMAGE RESULTING FROM THE WORK AND LEAVE PREMISES IN CLEAN CONDITION WHEN FINISHED WITH WORK. ADJUST, CLEAN, REPAIR, OR REPLACE PRODUCTS, WHICH HAVE BEEN DAMAGED.
- 21) PROVIDE FLASHING AND COUNTER FLASHING FOR ALL WALL AND ROOF PENETRATIONS.
- 22) WARRANTY: ALL MATERIALS AND EQUIPMENT INSTALLED UNDER THIS CONTRACT SHALL BE GUARANTEED FREE FROM ALL MECHANICAL, ELECTRICAL, AND WORKMANSHIP DEFECTS FOR A MINIMUM OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO THE PREMISES CAUSED BY WORK UNDER THIS CONTRACT, AS WELL AS ANY DAMAGE FROM LEAKS VIA ROOF PENETRATIONS MADE AND SEALED UNDER CONTRACTOR'S SCOPE.

# **ELECTRICAL CALGREEN NOTES**

5.106.5.3 ELECTRIC VEHICLE (EV) CHARGING. CONSTRUCTION SHALL COMPLY WITH CGC SECTION 5.106.5.3.1 OR SECTION 5.106.5.3.2 TO FACILITATE FUTURE INSTALLATION OF ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE). 5.106.5.3.1 SINGLE CHARGING SPACE REQUIREMENTS. WHEN ONLY A SINGLE CHARGING SPACE IS REQUIRED PER CGC TABLE 5.106.5.3.3, A RACEWAY IS REQUIRED TO BE INSTALLED AT THE TIME OF CONSTRUCTION AND SHALL BE INSTALLED IN ACCORDANCE WITH CEC

5.106.5.3.2 MULTIPLE CHARGING SPACES REQUIREMENTS. WHEN MULTIPLE CHARGING SPACES ARE REQUIRED PER CGC TABLE 5.106.5.3.3, RACEWAY(S) IS/ARE REQUIRED TO BE INSTALLED AT THE TIME OF CONSTRUCTION AND SHALL BE INSTALLED IN ACCORDANCE WITH CEC

5.106.5.3.3 EV CHARGING SPACE CALCULATION. CGC TABLE 5.106.5.3.3 SHALL BE USED TO DETERMINE IF SINGLE OR MULTIPLE CHARGING SPACE REQUIREMENTS APPLY FOR THE FUTURE INSTALLATION OF EVSE. 5.106.5.3.4 IDENTIFICATION. THE SERVICE PANEL OR SUBPANEL(S) CIRCUIT DIRECTORY SHALL IDENTIFY THE RESERVED OVERCURRENT PROTECTIVE DEVICE SPACE(S) FOR FUTURE EV CHARGING AS "EV CAPABLE". THE RACEWAY TERMINATION SHALL BE PERMANENTLY AND VISIBLY MARKED AS "EV CAPABLE" 5.106.5.3.5 FUTURE CHARGING SPACES: FUTURE CHARGING SPACES QUALIFY AS DESIGNATED PARKING AS DESCRIBED IN CGC SECTION 5.106.5.2 DESIGNATED PARKING FOR CLEAN AIR VEHICLES.

### MEP ANCHORAGE AND BRACING NOTE

- 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 CHAPTERS 13, 26, AND 30:
- 1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
- 2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS, OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
- 3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY
- THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:
- A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE
- B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A
- THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL, AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE
- PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25, AND
- THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR ALL THE MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

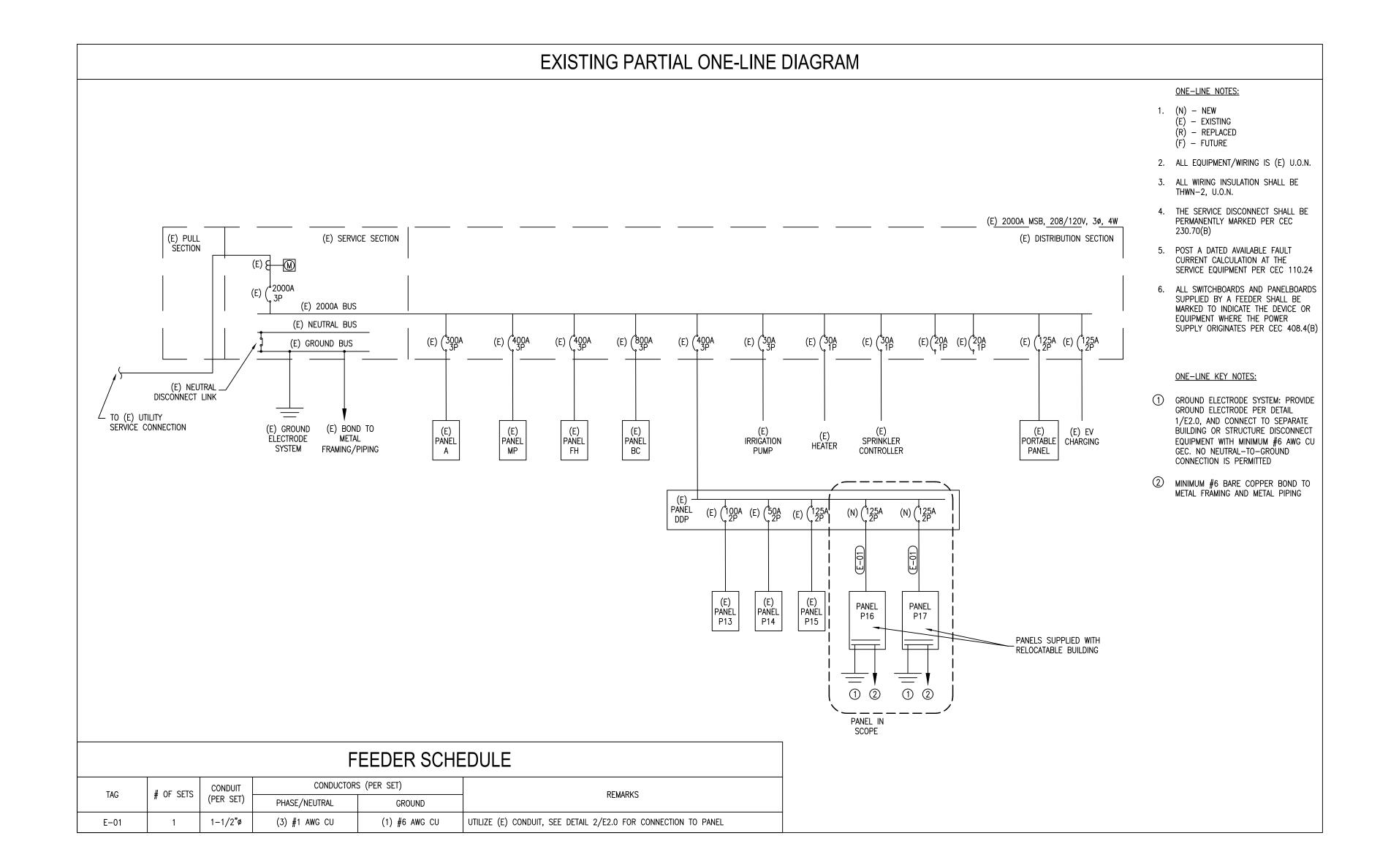
	CABLE SCH	EDULE
TAG	DESCRIPTION	USE
F	12 STRAND SINGLEMODE	FIBER
_	SEE SPEC	DATA
G	4-WIRE, #18 AWG SHIELDED	INTRUSION ALARM SYSTEM WIRING
GX	4-WIRE, #16 AWG SHIELDED, AQUASEAL	INTRUSION ALARM SYSTEM TRUNK

RESULTS AND SUFFICIENCY.

#### PANEL 'DDP' SCHEDULE Panel Name: Bus Rating: Voltage & Phase: 120/208Y - 3Ø - 4W AIC Rating: 42kAIC Mounting: Free-Standing Circuit Breaker Enclosure Rating: NEMA 3R MCB Rating: PHASE Ckt BRK VA Code Description Description 8232 (E) Panel P13 100/2 1 A 2 8131 0 - 3 B 4 1922 (E) Panel P14 50/2 | 5 | C 6 0 7 1811 A | 8 0 8232 (E) Panel P15 125/2 9 B 10 8131 O - | 11 | C | 12 0 10975 (N) Panel P16 **125/2** 13 A 14 0 - 15 B 16 8932 0 9375 (N) Panel P17 17 C 18 0 8932 - | 19 | A | 20 21 B 22 23 C 24 25 A 26 27 B 28 29 C 30 Α 33 В 34 C 36 37 A 38 39 B 40 41 C 42 Largest Motor VA Largest Motor Phases: A,B Subfeed Breaker to Panel: VA Load per Phase Calculation Load Code Total VA | Mult. | VA Load - Panel AIC rating based on wire size and length R = Recept 0 | 1.00 K = Kitchen 0 1.00 0 M = Motor 0 0 1.00 L = Lighting 0 1.25 0 0 0 1.25 H = Heat 0 PV = Solar 0 0 0 0 1.25 0 1.25 EV = Elec. Vehicle 0 0 0 O = Other 29949.5 25295 19427.5 74672 1.00 74672 **Load Totals** 29949.5 | 25295 | 19427.5 | 74672 | 1.00 | 74672 VA of Largest Motor 4160 0.25 1040 0.0 0.0 0.0 Subfeed VA Loads Total VA Loads 30469.5 25815.0 19427.5 **Load Balance** 120.7% | 102.3% | 77.0% VA Load This Panel 75712.0 Amperage This Panel Per Largest Phase VA 253.9

#### FIBER RISER DIAGRAM FIBER RISER NOTES: FIBER RISER KEY NOTES: (E) EXISTING (N) NEW ① CONTRACTOR TO VERIFY (E) FIBER (N) IDF IN (R) RELOCATED ÙŃIT P16 OPTIC TERMINATION PANEL AT (E) MDF (D) DEMO AND PROVIDE ALL PATCH PANELS. MODULES, ETC. TO SUPPORT ALL NEW 2. ALL EQUIPMENT AND WIRING SHOWN IS (N), EQUIPMENT AS REQUIRED (2) ROUTE CABLING AS INDICATED ON THE CONTRACTOR SHALL REVIEW ALL DISTRICT I.T. SITE PLAN FROM MDF TO RELOCATABLE SPECIFICATIONS FOR INSTALLATION DETAILS, CLASSROOM. COORDINATE DATA CABLE SINGLEMODE FIBER EQUIPMENT, AND FIELD LABELING REQUIREMENTS WITH DISTRICT I.T. DEPARTMENT PRIOR TO INSTALLING 4. AN OPTICAL TIME DOMAIN REFLECTOMETER (OTDR) TEST WILL BE REQUIRED ON THE NEW 3 SEE POWER & SIGNAL PLAN FOR FIBER PATHWAYS. DISTRICT IT WILL PROVIDE (E) MDF EXACT LOCATION OF IDF FINAL ACCEPTANCE OF THE OTDR TEST

•	VOLTAGE I	OROP SUM	MARY						
Voltage Drop Summary									
Total Feeder Voltage	Total Feeder Voltage Drop			Worst Case Voltage Drop					
MSB>DDP>P16	3.02%	-	-	3.02%					
MSB>DDP>P17	2.91%	-	1-	2.91%					





2X4 LIGHT FIXTURE
(SURFACE RECESSE) (SURFACE, RECESSED) 2X2 LIGHT FIXTURE (SURFACE, RECESSED)

FIXTURE W/ BATTERY BACKUP (TYP. ALL SHADED FIXTURES)

RECESSED DOWNLIGHT ROUND SURFACE MOUNT LIGHT

PENDANT LIGHT

TRACK LIGHT SIGNLIGHT

WALL MOUNT LIGHT POLE MOUNT LIGHT — 2 HEAD

> POLE MOUNT LIGHT — 1 HEAD EXIT/EMERGENCY COMBO LIGHT

EMERGENCY FIXTURE

EXIT LIGHT CEILING EXHAUST FAN

WALL MOUNTED SWITCH, MOUNT SO TOP IS AT 44" AFF

WALL MOUNTED 3-WAY SWITCH MOUNT SO TOP IS AT 44" AFF PHOTOCELL

PRIMARY DAYLIGHT AREAS SECONDARY DAYLIGHT AREAS

CEILING MOUNTED SENSOR

WALL (MOUNT SO BOTTOM IS

WALL (MOUNT SO BOTTÓM IS

16" AFF), FLOOR, CEILING

→,,,, → DUPLEX OUTLET -WALL (MOUNT SO BOTTOM IS 16" AFF), FLOOR, CEILING QUADRUPLEX OUTLET -

DEDICATED OUTLET -WALL (MOUNT SO BOTTOM IS 16" AFF), FLOOR, CEILING **→** 2-POLE OUTLET - 208/240V

16" AFF), FLOOR, CEILING 30A, 120V OUTLET (NEMA 5-30R), MOUNT SO BOTTOM IS

> 30A, 208/240V OUTLET (NEMA 6-30R), MOUNT SO BOTTOM IS

DUPLEX OUTLET WITH USB PORT MOUNT SO BOTTOM IS AT 16"

DATA PORT, MOUNT SO BOTTOM IS AT 16" AFF SMOKE DETECTOR

HOME RUN - PANEL-CIRCUIT(S)

CARBON MONOXIDE DECTECTOR

JUNCTION BOX DISCONNECT - POLES (CAPACITY/FUSE)

"X"-1,3,5 WIRE/CONDUIT - OVERHEAD

wire/conduit - underground POWER PANEL

TRANSFORMER ABOVE FINISHED FLOOR HEIGHT (INCHES) AFF

OCCUPANCY SENSOR

VACANCY SENSOR GROUND FAULT INTERRUPTER COUNTERHEIGHT (+44") AND GF

WEATHERPROOF HORSEPOWER BRAKE HORSEPOWER NOT TO SCALE

TYPICAL GROUND GROUNDING ELECTRODE

CONDUCTOR MAIN SWITCHBOARD SYSTEM BONDING JUMPER

SUPPLY SIDE BONDING JUMPER BRANCH CIRCUIT POWER METER

UON

UNLESS OTHERWISE NOTED

APPROVAL: DIV. OF THE STATE ARCHITEC APP: 02-122977 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 03/12/2025

IDENTIFICATION STAMP

DATE

3/20/25



**HMC** Architects

3595005000

**AGENCY** 

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

 $\Delta$  **DESCRIPTION** A ADDENDUM "A"

> & FACILITIES CONSULTING, INC. 5734 Lonetree Boulevard, Rocklin, CA 95765 Office: (916) 626 5518 www.oefcinc.com



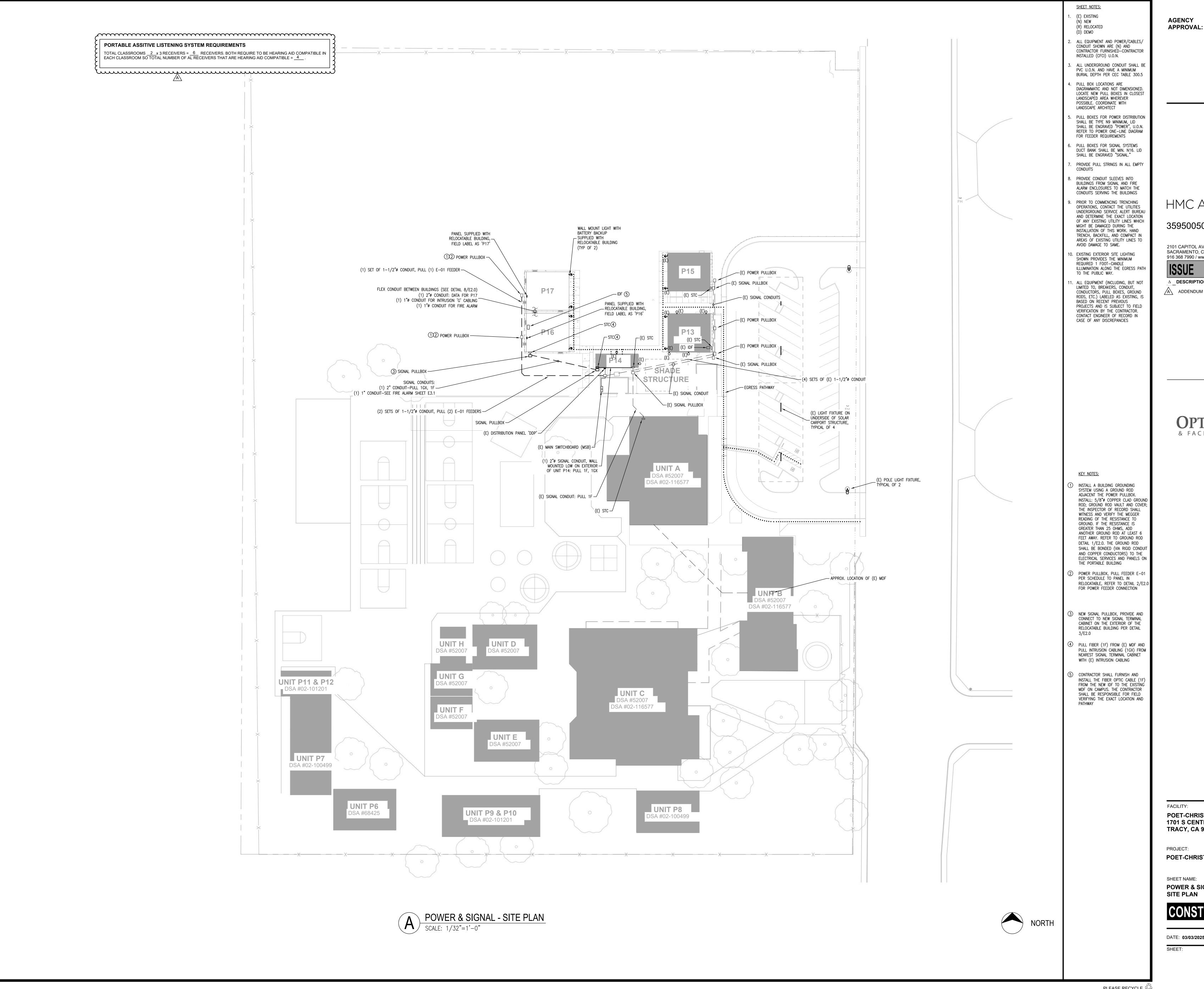
POET-CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE TRACY, CA 95376

**POET-CHRISTIAN ES - TK CLASSROOM** 

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

CONSTRUCTION DOCUMENTS

DATE: 03/03/2025 CLIENT PROJ NO: 359500500



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POET-CHRISTIAN ELEMENTARY SCHOOL **1701 S CENTRAL AVE TRACY, CA 95376** 

POET-CHRISTIAN ES - TK CLASSROOM

**POWER & SIGNAL** 

**CONSTRUCTION DOCUMENTS** 

DATE: 03/03/2025

CLIENT PROJ NO: 359500500

PLEASE RECYCLE

SIGNAL TERMINAL CABINET (STC), SEE DETAIL 4/E2.0\_ FOR MOUNTING, WEIGHT = APPROX. 50 LBS PANEL BY RELOCATABLE \_\_\_BUILDING MANUFACTURER, FIELD LABEL 'PANEL P16' UNIT P16 / IDF, 6' TALL, FLOOR MOUNTED ACCESS POINT POWER FOR IDF PROVIDED BY RELOCATABLE BUILDING
MANUFACTURER, VERIFY EXACT LOCATION WITH BUILDING MANUFACTURER SHOP DRAWINGS FLEX CONDUITS FROM UNIT P16 (SEE DETAIL 3/E2.0):

—(1) 2"ø CONDUIT: DATA FOR P17

(1) 1"ø CONDUIT: INTRUSION 'G' PANEL BY RELOCATABLE \_\_\_BUILDING MANUFACTURER, FIELD LABEL 'PANEL P17' UNIT P17 \_ ACCESS POINT

SIGNAL, DATA, & INTRUSION PLAN - RELOCATABLE CLASSROOM

SCALE: 1/8"=1'-0"



SHEET NOTES: (E) EXISTING (N) NEW (R) RELOCATED

(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 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 WIDE ENERGY MANAGEMENT (OR 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 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 CABLING FROM EACH LOCATION SHOWN . ALL DATA SHALL HOMERUN TO THE (N) IDF LOCATED IN UNIT P16, 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

**AGENCY** APPROVAL:

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 $\Delta$  **DESCRIPTION** ADDENDUM "A"



KEY NOTES:

1 PROVIDE SURFACE MOUNTED DOOR CONTACTS (ALL WIRE SHALL BE COVERED WITH RACEWAY) AND TIE INTO (E) INTRUSION SYSTEM, COORDINATE DÉTAILS WITH RELOCATABLE BUILDING MANUFACTURER AND LOCATION OF ROOM SIGNAGE BY ARCHITECT

(E) INTRUSION SYSTEM 3 FURNISH AND INSTALL PROJECTOR (EPSON BRIGHTLINK 1485FI) ON THE TEACHING WALL. PRIOR TO INSTALLATION

PROVIDE MOTION SENSOR AND TIE INTO

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 FURNISH AND INSTALL COMBINATION SPEAKER/CLOCK INSTALLED ON A RECESSED BACKBOX AT 96" AFF, COORDINATE COMBINATION SPEAKER/CLOCK REQUIREMENTS WITH

6 OUTDOOR CAMERA WITH 180° COVERAGE, MOUNT ON WALL PER MANUFACTURER INSTRUCTIONS WEIGHT = APPROX. 6 LBS FIELD COORDINATE EXACT LOCATION WITH OWNER

7 PROVIDE OUTDOOR SPEAKER INSTALLED ON SURFACE MOUNTED, VANDAL RESISTANT BOX AT 10' ABOVE GRADE AND TIE INTO (E) SPEAKER SYSTEM, COORDINATE EXACT LOCATION AND SPEAKER MODEL WITH OWNER



POET-CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE **TRACY, CA 95376** 

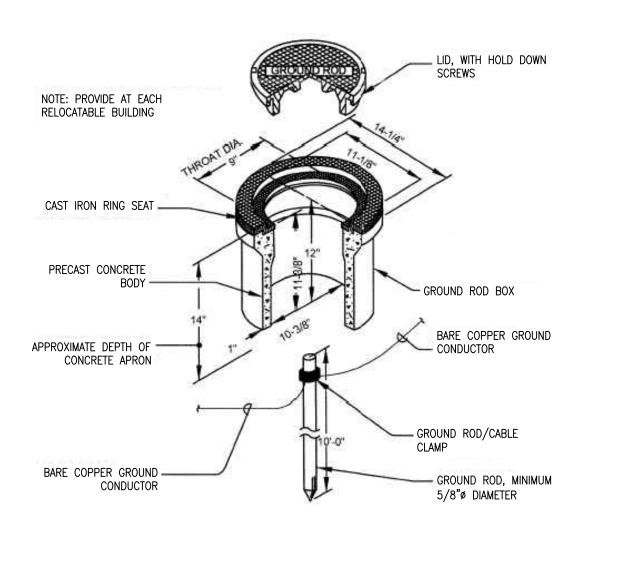
POET-CHRISTIAN ES - TK CLASSROOM

SIGNAL, DATA, & INTRUSION **ENLARGED PLAN - RELOCATABLE CLASSROOM** 

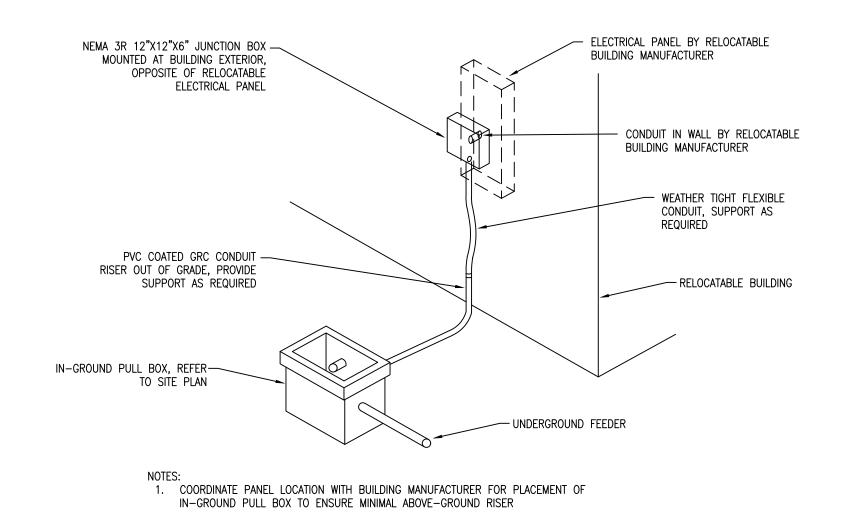
**CONSTRUCTION DOCUMENTS** 

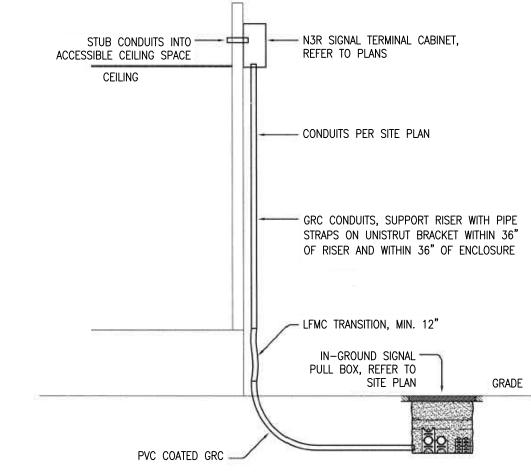
DATE: 03/03/2025

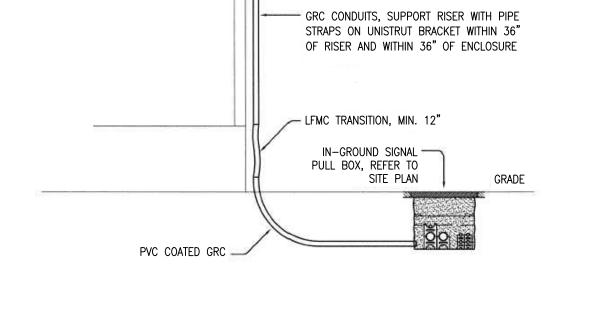
CLIENT PROJ NO: 3595005000

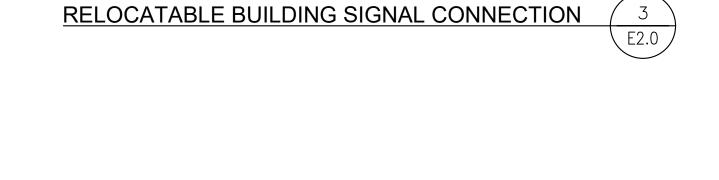


**GROUND ROD INSTALLATION** 





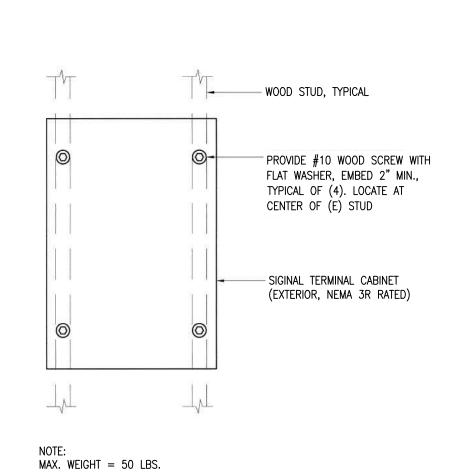




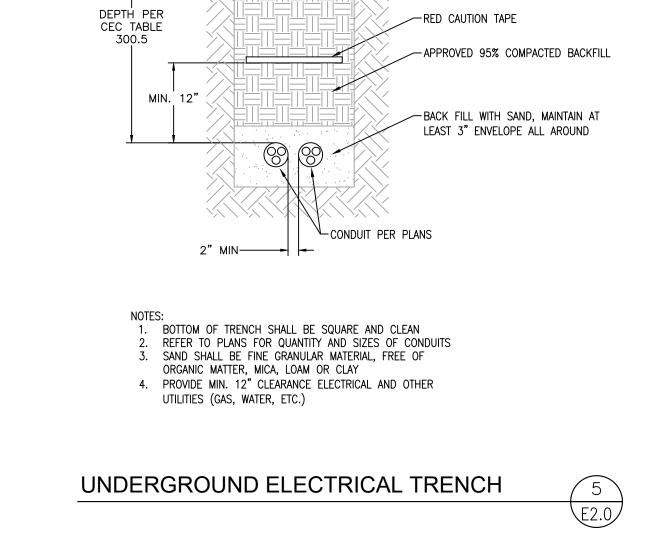
— GROUT ALL DUCTS FLUSH TO INSIDE WALL OF PULL BOX

- CONCRETE ENCASEMENT RING

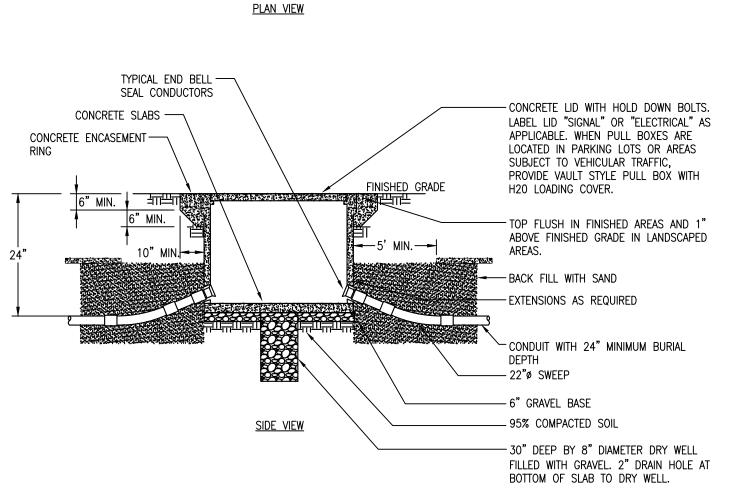
- CONDUIT MUST ENTER FROM ENDS OF PULL BOX. MINIMUM OF 10' STRAIGHT LENGTH OF CONDUIT REQUIRED BEFORE ENTRANCE OF PULL BOX. PLACE CONDUITS ON OPPOSITE SIDES OF PULL BOX IN LINE WITH EACH OTHER

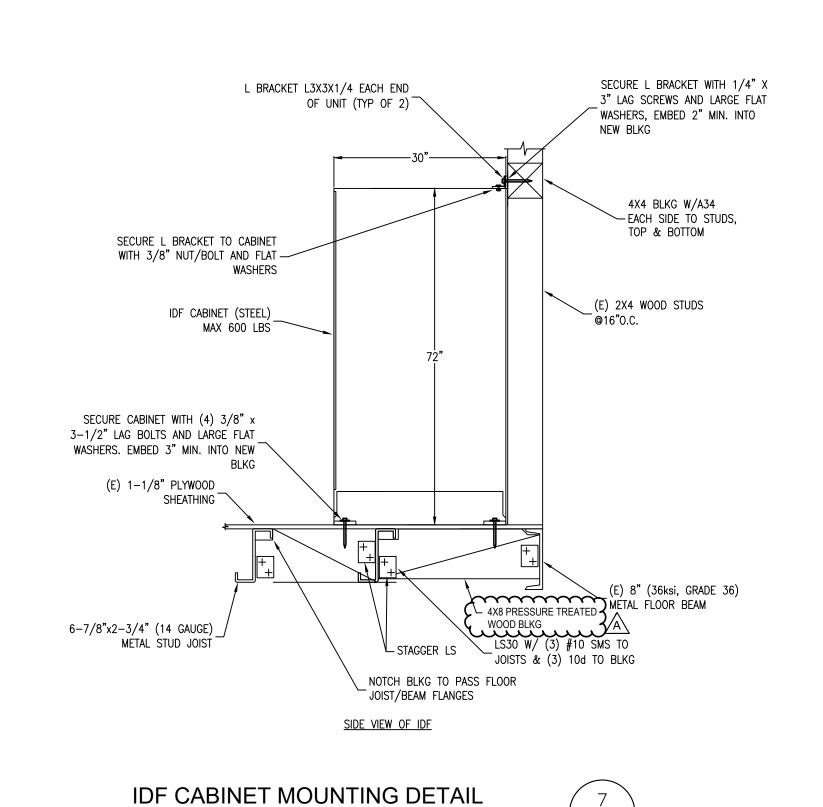


SIGNAL TERMANAL CABINET MOUNTING

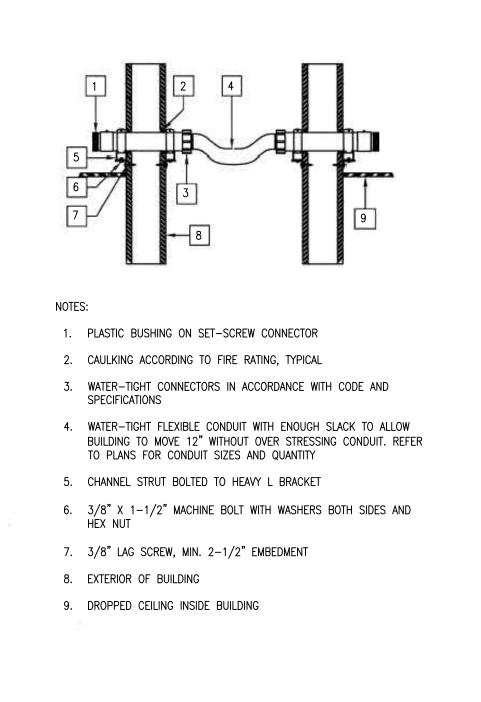


RELOCATABLE BUILDING POWER FEEDER

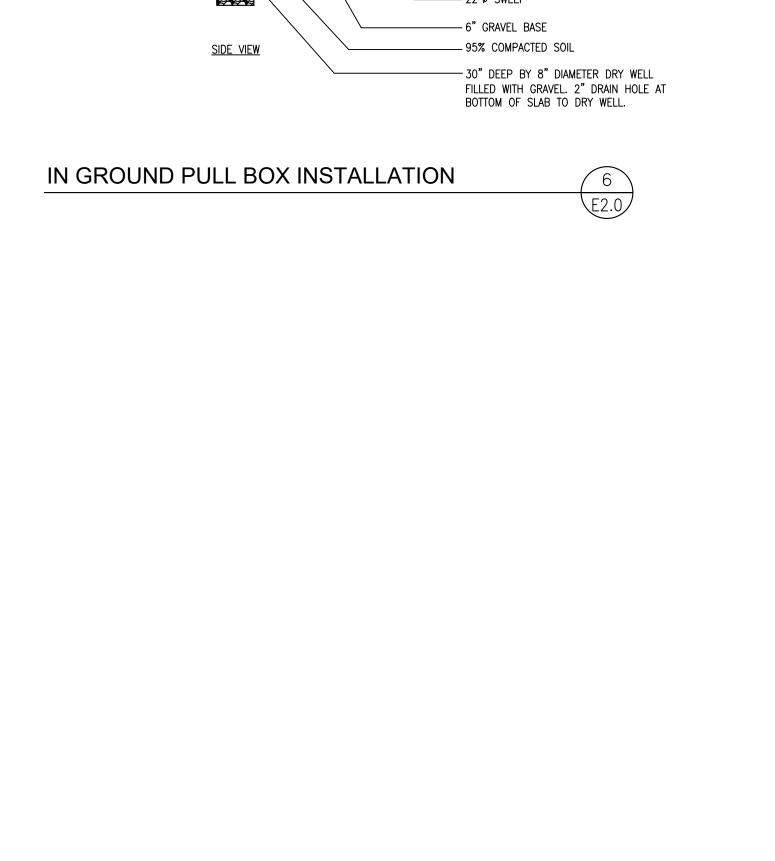




E2.0



RELOCATABLE BUILDINGS CONDUIT CONNECTION (8





**AGENCY** 

APPROVAL:

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3595005000

SACRAMENTO, CA 95816

**△ DESCRIPTION** 

ADDENDUM "A"

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APP: 02-122977 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

DATE: 03/12/2025

DATE

3/20/25



POET-CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE TRACY, CA 95376

PROJECT: POET-CHRISTIAN ES - TK CLASSROOM

SHEET NAME: **POWER & SIGNAL DETAILS** 

# **CONSTRUCTION DOCUMENTS**

CLIENT PROJ NO: 3595005000 DATE: 03/03/2025

PLEASE RECYCLE 🖏

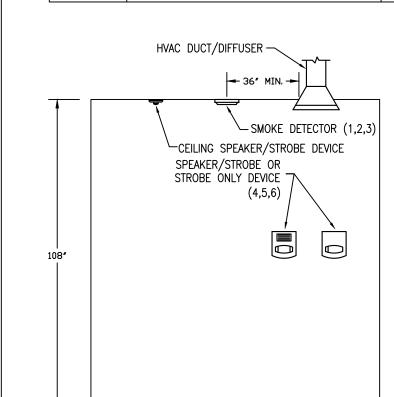
#### FIRE ALARM GENERAL NOTES

- 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
- 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
- 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
- 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
- 31) AUTOMATIC FIRE ALARM SYSTEMS SHALL BE MONITORED AND SHALL TRANSMIT THE ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH NFPA 72, AS AMENDED BY CFC CHAPTER 80. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX (CENTRAL STATION) OR UUJS (REMOTE & PROPRIETARY) BY UNDERWRITERS LABORATORY INC. (UL) OR OTHER APPROVED LISTING AND TESTING LABORATORY OR SHALL COMPLY WITH THE REQUIREMENTS OF STANDARD, FACTORY MUTUAL (FM) 3011. TERMINATION OF MONITORING SERVICES SHALL BE IN ACCORDANCE WITH CBC/CFC SECTION 907.6.6.2.

EX	(ISTING FIRE ALAF	RM COMP	ONENT S	CHEDULE
SYMBOL	DESCRIPTION	MANUFACTURER	MODEL NO.	CSFM LISTING NO.
FACP	FIRE ALARM CONTROL PANEL	EST	EST3X	7165–1657:0186
FAPS	REMOTE POWER SUPPLY	EST	BPS-6	7300–1657:0229
(2)	SMOKE DETECTOR CEILING MOUNTED ADDRESSABLE	EST	SIGA-PS	7272–1591:0126
Н	HEAT DETECTOR ATTIC MOUNTED (200°F)	EST	294B	7270-1591:0109
EK	HORN	EST	757–1A–T	7125–1657:0188
XXCD	SPEAKER/STROBE	EST	GCSVRF	7320-1657:0516
MM	MONITOR MODULE	EST	SIGA-CT1	7300-1591:0121

	NEW FIRE ALARM	COMPON	NENT SCH	HEDULE
SYMBOL	DESCRIPTION	MANUFACTURER	MODEL NO.	CSFM LISTING NO.
(3)	SMOKE DETECTOR CEILING MOUNTED, ADDRESSABLE	EST	SIGA-OSD WITH BASE	7272-1657:0511 7300-1657:0120
H	CONVENTIONAL HEAT DETECTOR (190°F) ABOVE CEILING	SYSTEM SENSOR	5602	7270–1653:0167
MM	MONITOR MODULE	EST	SIGA-CT1HT	7300–1657:0121
MZ	SYNC MODULE	EST	SIGA-CC1S	7300–1657:0121
XXCD	STROBE (15 CD), CEILING MOUNTED	EST	GCVRF	7125–1657:0510
XXCD	SPEAKER/STROBE (15,75 CD), CEILING MOUNTED	EST	GCSVRF	7320–1657:0516
	SPEAKER (EXTERIOR)	EST	WG4RF-S	7320–1657:0289

FIRE ALARM CABLE SCHEDULE								
DESIGN	DESCRIPTION	USE						
ı	2#16 GENESIS 4111	FIRE ALARM ADDRESSABLE CABLE						
IX	2#16 GENESIS 4206	FIRE ALARM ADDRESSABLE TRUNK						
J	2#16 GENESIS 4111	FIRE ALARM CONVENTIONAL INITIATION WIRING (RED/BLACK)						
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						

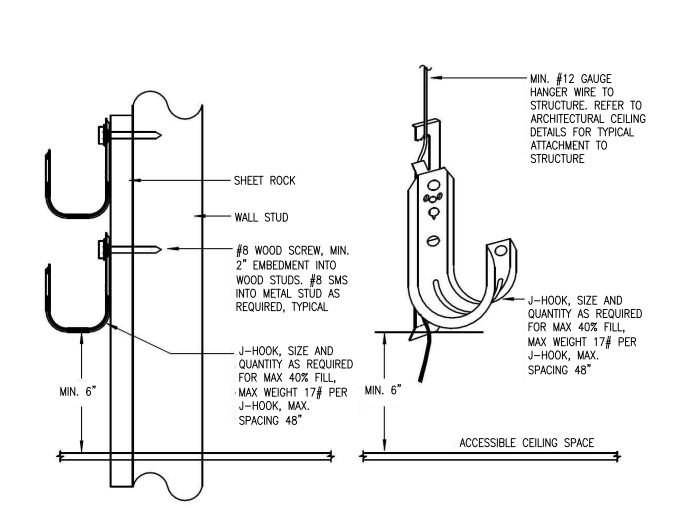


- 1. MAXIMUM DISTANCE BETWEEN SMOKE DETECTORS IS 30' AND 15' FROM WALLS, MAXIMUM DISTANCE FROM A CORNER IS 21' WITH CEILINGS 10' OR LESS
- MOUNT SMOKE DETECTORS MINIMUM OF 3' AWAY FROM DIFFUSER VENT
- 3. SMOKE DETECTORS SHALL BE MOUNTED ON THE CEILING MINIMUM 4" FROM WALL

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

- MAXIMUM TO THE TOP OF THE DEVICE 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 80" AND 96" A.F.F.
- . 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

### FIRE ALARM DEVICE ELEVATION DETAIL



1. PROVIDE SEPARATE CABLE MANAGEMENT SYSTEM FOR EACH INDIVIDUAL LOW VOLTAGE SYSTEM 2. SPACING BETWEEN J-HOOKS SHALL BE 48" ON CENTER

CABLE SUPPORT DETAIL



X = REQUIRED ACTION BLANK MEANS NOT APPLICABLE				ALA	ALARM			TR	OUBLE		SUPERV	SORY	
	CAUSE	ALARM AT FACP	ALARM AT OFF-SITE REPORTING	ACTIVATE AUDIBLE/VISUAL ALARMS			TROUBLE AT FACE	ΔT	5	SUPERVISORY CONDITION AT FACP	SUPERVISORY CONDITION AT OFF-SITE REPORTING		REMARKS
1	SMOKE DETECTOR	X	Х	X									
2	HEAT DETECTOR	T <sub>X</sub>	Х	Х									
3	MANUAL PULL STATION	X	Х	Х									
4	DUCT DETECTOR	х	Х	х									SHUTDOWN ASSOCIATEI MECHANICAL UNIT (BY MECHANICAL)
5	POWER FAILURE						Х	Х					
6	TAMPER SWITCH AT POST INDICATOR VALVE									Х	Х		
7	TAMPER SWITCH AT FIRE SPRINKLER RISER									Х	Х		
8	FLOW SWITCH AT FIRE SPRINKLER RISER	х	Х	Х									
9	FIRE ALARM TROUBLE (OPEN, SHORTS OR GROUNDS ON INITIATION, NOTIFICATION OR SIGNALING LINE CIRCUITS)						х	х					

	FIRE ALAF	RM	SE	ΞQ	UE	ΞΝ	CE	EC	)F	OF	El	RA	\TIC	N	
	X = REQUIRED ACTION BLANK MEANS NOT APPLICABLE	ALARM						TROU	JBLE		SUPERVISORY				
	CAUSE	ALARM AT FACP	ALARM AT OFF—SITE REPORTING	ACTIVATE AUDIBLE/VISUAL ALARMS				TROUBLE AT FACP	Trouble at off-site reporting			SUPERVISORY CONDITION AT FACP	SUPERVISORY CONDITION AT OFF-SITE REPORTING		REMARKS
1	SMOKE DETECTOR	Х	Х	Χ											
2	HEAT DETECTOR	Х	Х	Х											
3	MANUAL PULL STATION	Х	Х	Х											
4	DUCT DETECTOR	Х	х	Χ											SHUTDOWN ASSOCIATED MECHANICAL UNIT (BY MECHANICAL)
5	POWER FAILURE							Х	Х						
6	TAMPER SWITCH AT POST INDICATOR VALVE											Χ	Х		
7	TAMPER SWITCH AT FIRE SPRINKLER RISER											Χ	Х		
8	FLOW SWITCH AT FIRE SPRINKLER RISER	Х	Х	Χ											
9	FIRE ALARM TROUBLE (OPEN, SHORTS OR GROUNDS ON INITIATION, NOTIFICATION OR SIGNALING LINE CIRCUITS)							Х	Х						

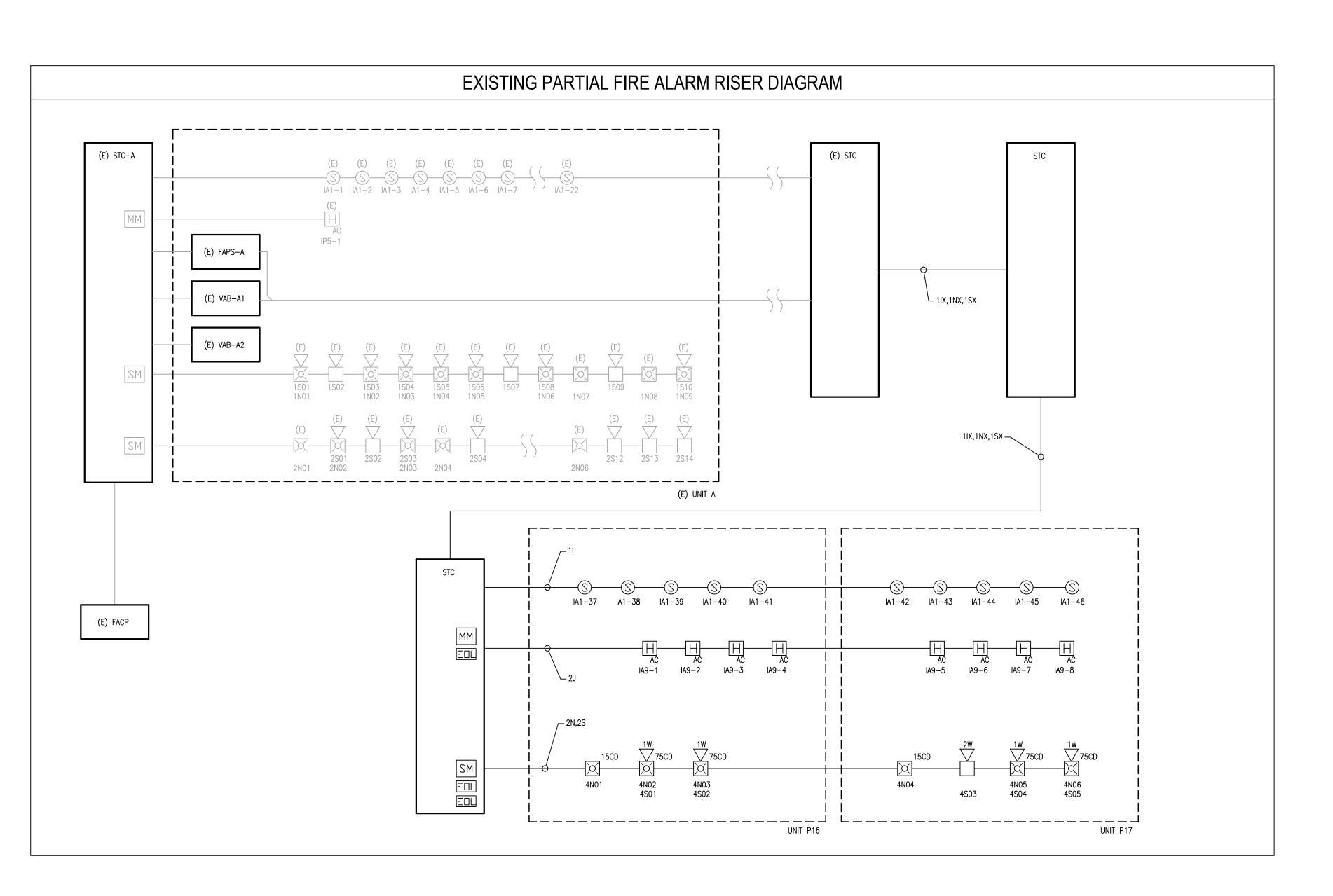
OIDOLUT	DE 40E	OLIANITITY	CURRENT F	PER DEVICE	STANDBY	AL
CIRCUIT	DEVICE	QUANTITY	STANDBY	ALARM	CURRENT	CUI
(E) REMOTE POWER SUPPLY		1	0.065	0.145	0.0650	0.
(E) NOTIFICATION CIRCUIT NA1		_	-	-	0	0.
(E) NOTIFICATION CIRCUIT NA2		_	-	_	0	0.
(E) NOTIFICATION CIRCUIT NA3	(E) STROBE	2	0	0.063	0.0000	0.
	(E) SPEAKER STROBE	6	0	0.0925	0.0000	0.
(N) NOTIFICATION CIRCUIT NA4	(N) STROBE	2	0	0.063	0.0000	0.
(N) NOTIFICATION CIRCUIT NA4	(N) SPEAKER STROBE	4	0	0.0925	0.0000	0.
				TOTAL:	0.0650	2.
USING THE FOLLOWING FORMUL	<u>A:</u>				1	
[(24 HOURS X STANDBY CURR	ENT) + (15 MINUTES X AL	ARM CURREN	)] X 1.25 SAF	ETY FACTOR =	MINIMUM BATTE	RY AH
MINIMUM BATTERY AH REQUIRED	ARE:					
[(24 X 0.065) + (0.25 X 2.74	19)] x 1.25 = 2.81 AH					
, ,	STEM IS SUFFICIENT					

DD #OF	OLIANITITY	CURRENT F	PER DEVICE	STANDBY	ALARM
DEVICE	QUANTITY  -	STANDBY	ALARM	CURRENT	CURRENT
(E) VOICE EVAC AMPLIFIER, 50W	1	0.086	2.206	0.0860	2.2060
(E) SPEAKER CIRCUIT SA2	-	-	-	0	1.33
(N) SPEAKER CIRCUIT SA4	-	_	-	0	0.4800
			TOTAL:	0.0860	4.0160

FIRE ALARM VOLTAGE DROP CALCULATIONS												
CIRCUIT	LENGTH	CIRCUIT	WIRE SIZE	WIRE OHMS/	(N) ALARM	VOLTAGE DROP						
NO.	(FT)	VOLTAGE	(AWG)	1000 FT <sup>*</sup>	` AMPS	VOLTS	TOTAL % OF NOM.					
NA4	330	24V	12	2.01	0.5000	0.6633	2.74%					
SA4	330	70V	16	5.08	0.4800	1.6093	2.30%					
NOTES:												
1. LONG	EST LUMP S	JM METHOD										

 $[(24 \times 0.086) + (0.25 \times 4.016)] \times 1.25 = 3.84 \text{ AH}$ 

THE EXISTING 12AH BATTERY SYSTEM IS SUFFICIENT



**AGENCY APPROVAL:** 

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-122977 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 03/12/2025

DATE

3/20/25



HMC Architects

3595005000

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 $\Delta$  **DESCRIPTION** 

A ADDENDUM "A"

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& FACILITIES CONSULTING, INC.

5734 Lonetree Boulevard, Rocklin, CA 95765

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



POET-CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE TRACY, CA 95376

POET-CHRISTIAN ES - TK CLASSROOM

**FIRE ALARM** 

**GENERAL NOTES, RISER DIAGRAM, & SCHEDULES** 

CONSTRUCTION DOCUMENTS

DATE: 03/03/2025

CLIENT PROJ NO: 3595005000

ADDENDUM "A"

PLEASE RECYCLE 🗟



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POET-CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE TRACY, CA 95376

POET-CHRISTIAN ES - TK CLASSROOM

FIRE ALARM SITE PLAN

**CONSTRUCTION DOCUMENTS** 

DATE: 03/03/2025

CLIENT PROJ NO: 3595005000

SHEET NOTES: (E) EXISTING (N) NEW (R) REPLACED (D) DEMO 3. MINIMUM SIZE CONDUIT PATHWAY SHALL BE 3/4"ø, U.O.N.

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

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

8. 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.

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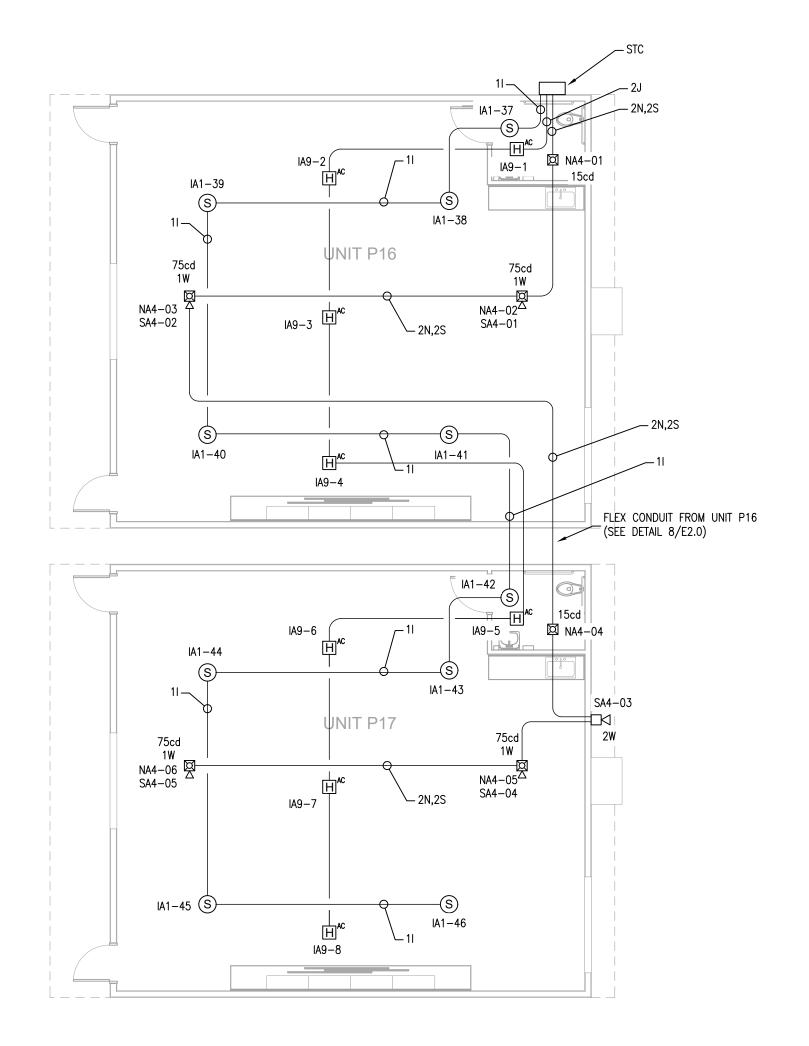
△ **DESCRIPTION** 

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FIRE ALARM PLAN - RELOCATABLE CLASSROOM

SCALE: 1/8"=1'-0"



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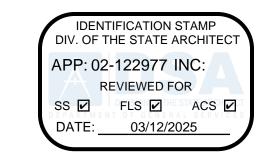
POET-CHRISTIAN ES - TK CLASSROOM

FIRE ALARM **ENLARGED PLAN - RELOCATABLE CLASSROOM** 

**CONSTRUCTION DOCUMENTS** 

DATE: 03/03/2025

CLIENT PROJ NO: 3595005000





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**GENERAL NOTES** 

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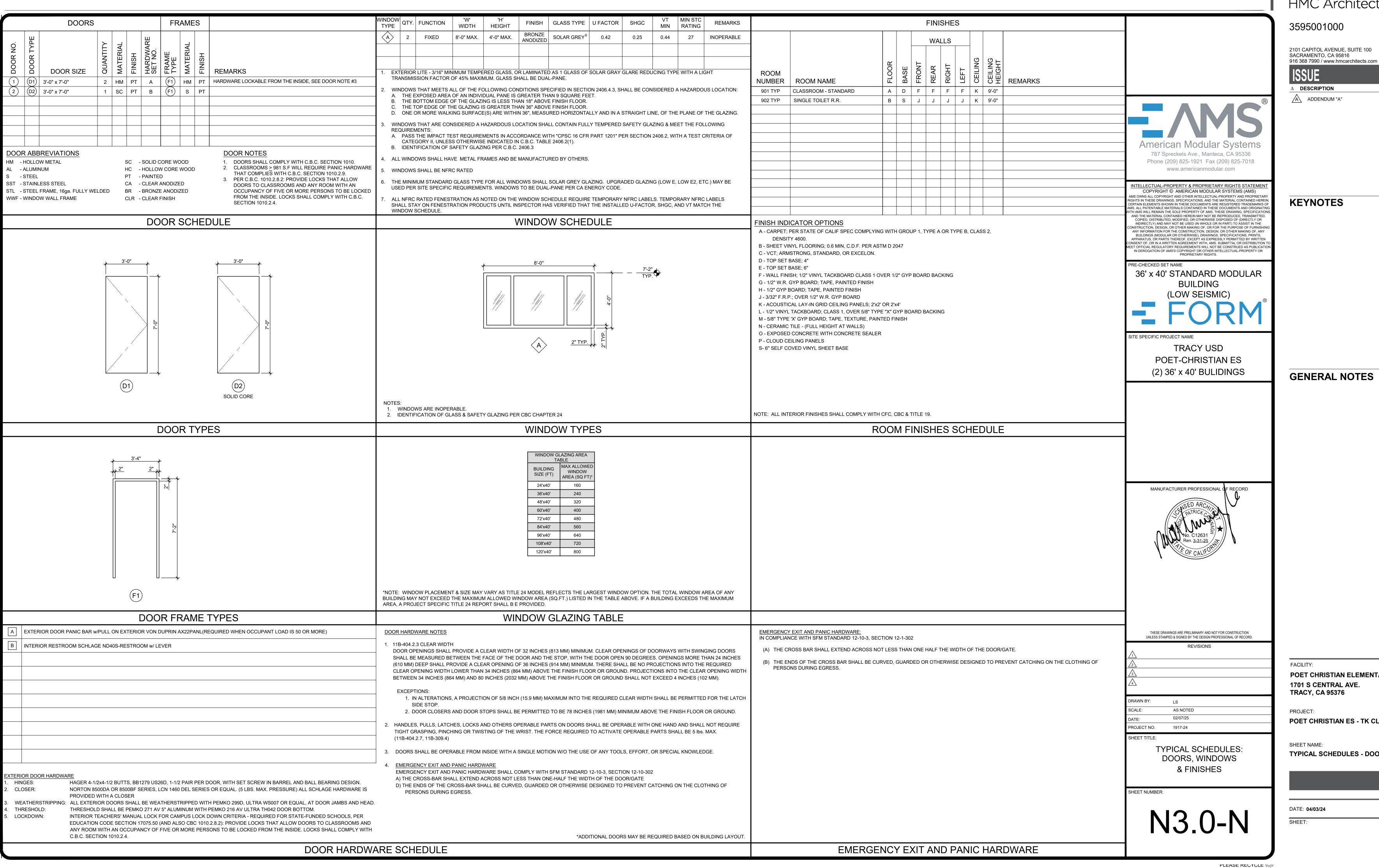
PROJECT:

POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:

TYPICAL SCHEDULES - DOORS, WINDOWS & FINISHES

DATE: 04/03/24 CLIENT PROJ NO: 359500100



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3/20/25

DATE

**KEYNOTES** 

**GENERAL NOTES** 

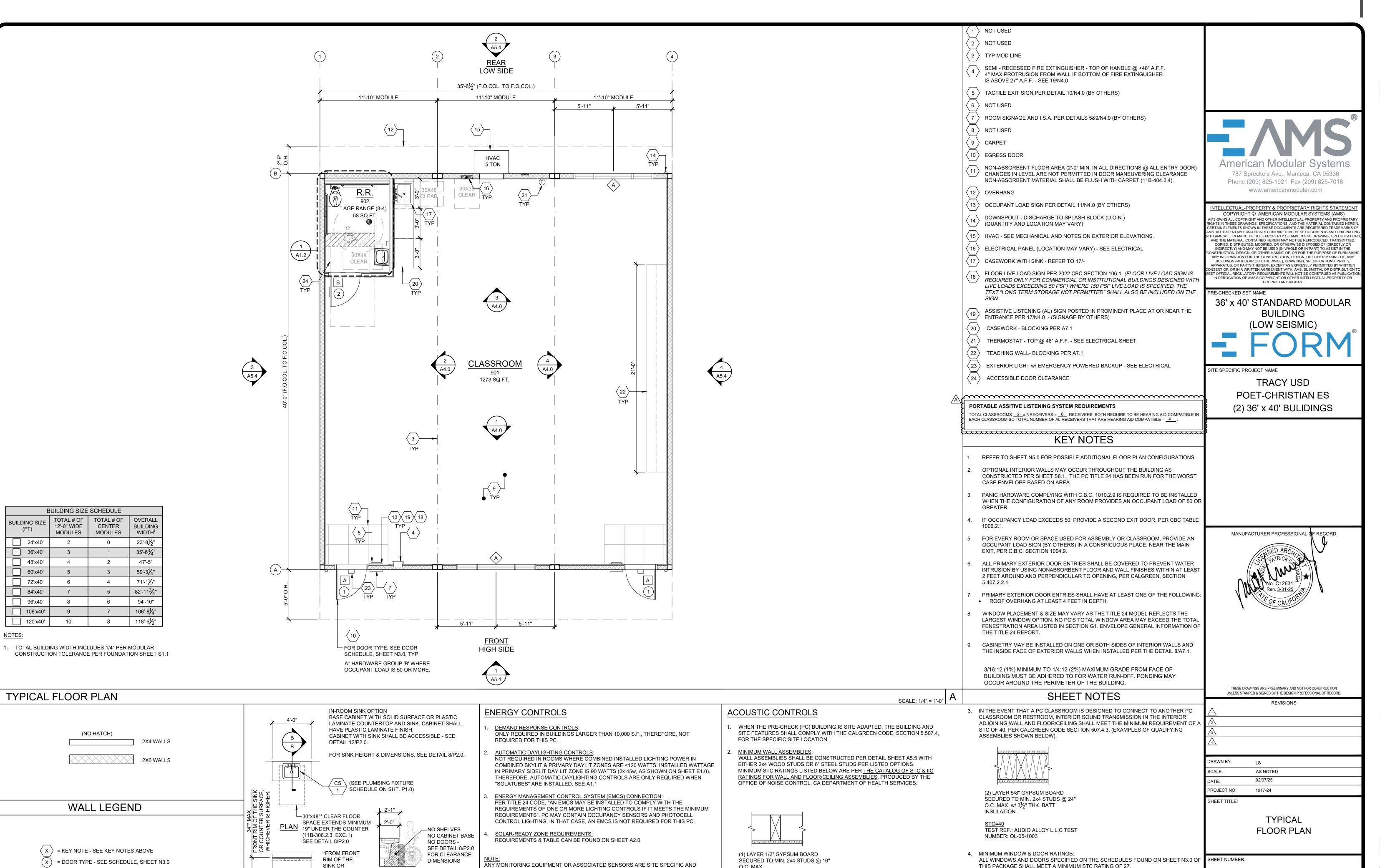
POET CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE. **TRACY, CA 95376** 

PROJECT: POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME: TYPICAL FLOOR PLAN

DATE: 04/03/24

CLIENT PROJ NO: 3595001000



O.C. MAX.

STC=28 (CATALOG SECTION 1.2.1.5.4.1)

TEST REF.: NATIONAL RESEARCH

ACOUSTIC NOTES

COUNCIL OF CANADA - NRC #66

ARE NOT INCLUDED IN THE BASE PC.

**ENERGY NOTES** 

COUNTER

SURFACE,

GREATER

**ELEVATION** 

16 CLASSROOM SINK

WHICHEVER IS HIGHER OR

SECTION B-B

SCALE: 1/4" = 1'-0" 17

X = DOOR HARDWARE - SEE HARDWARE SCHEDULE, SHEET N3.0

 $\langle X \rangle$  = WINDOW TYPE - SEE SCHEDULE, SHEET N3.0

SYMBOLS LEGEND

PLEASE REUTULE 4

16 NOT USED

17 NOT USED

NOT USED

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DATE 3/20/25

**KEYNOTES** 

**GENERAL NOTES** 

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PROJECT:

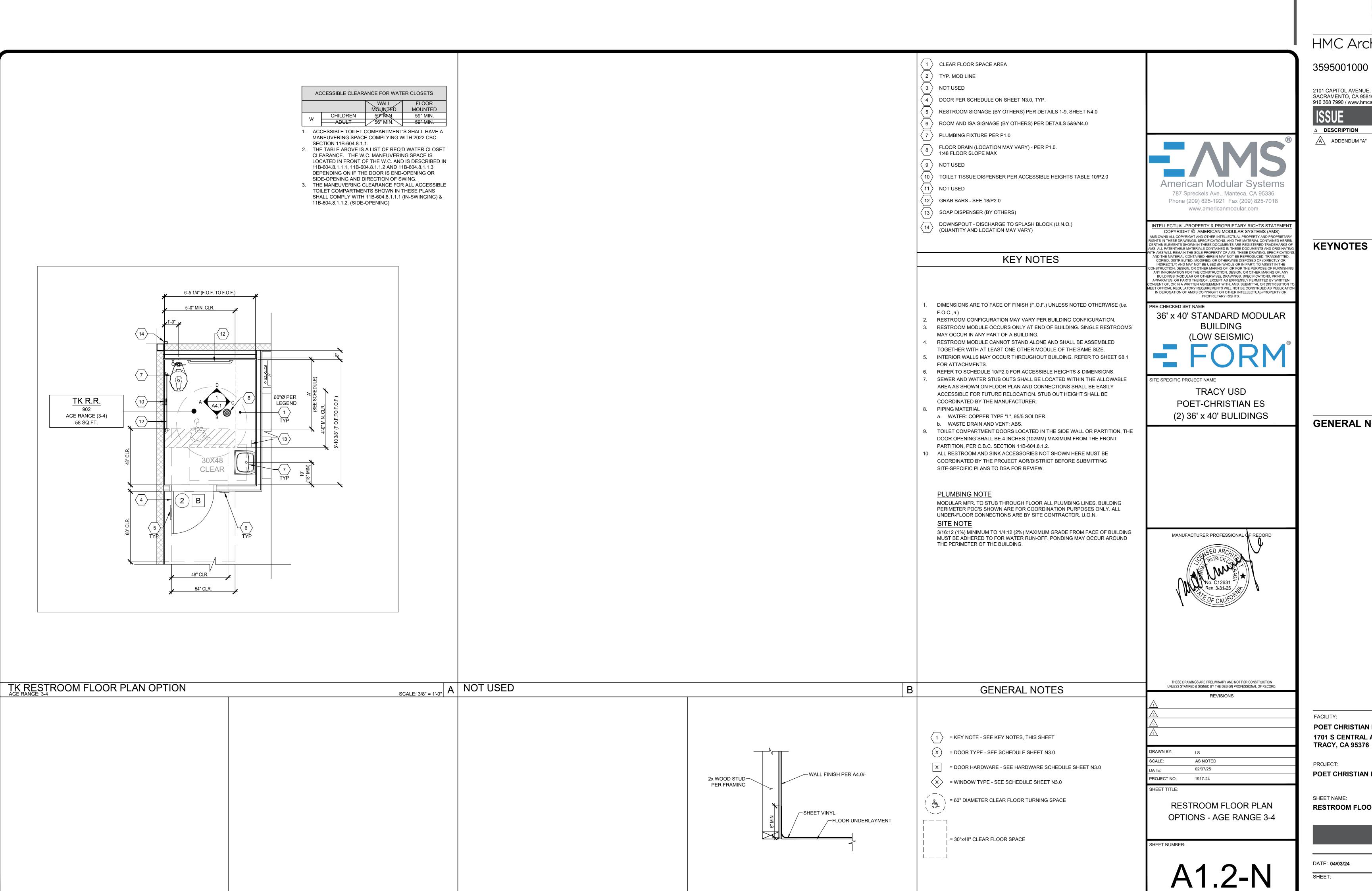
POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:

**RESTROOM FLOOR PLAN OPTIONS - AGE RANGE 3-4** 

CLIENT PROJ NO: 359500100

ADDENDUM "A"



18 PROTECTION OF WOOD WALLS @ TOILET ROOMS 19

SYMBOLS LEGEND SCALE: 1/4" = 1'-0" 20





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DATE 3/20/25

**KEYNOTES** 

**GENERAL NOTES** 

FACILITY: POET CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE. TRACY, CA 95376

PROJECT:

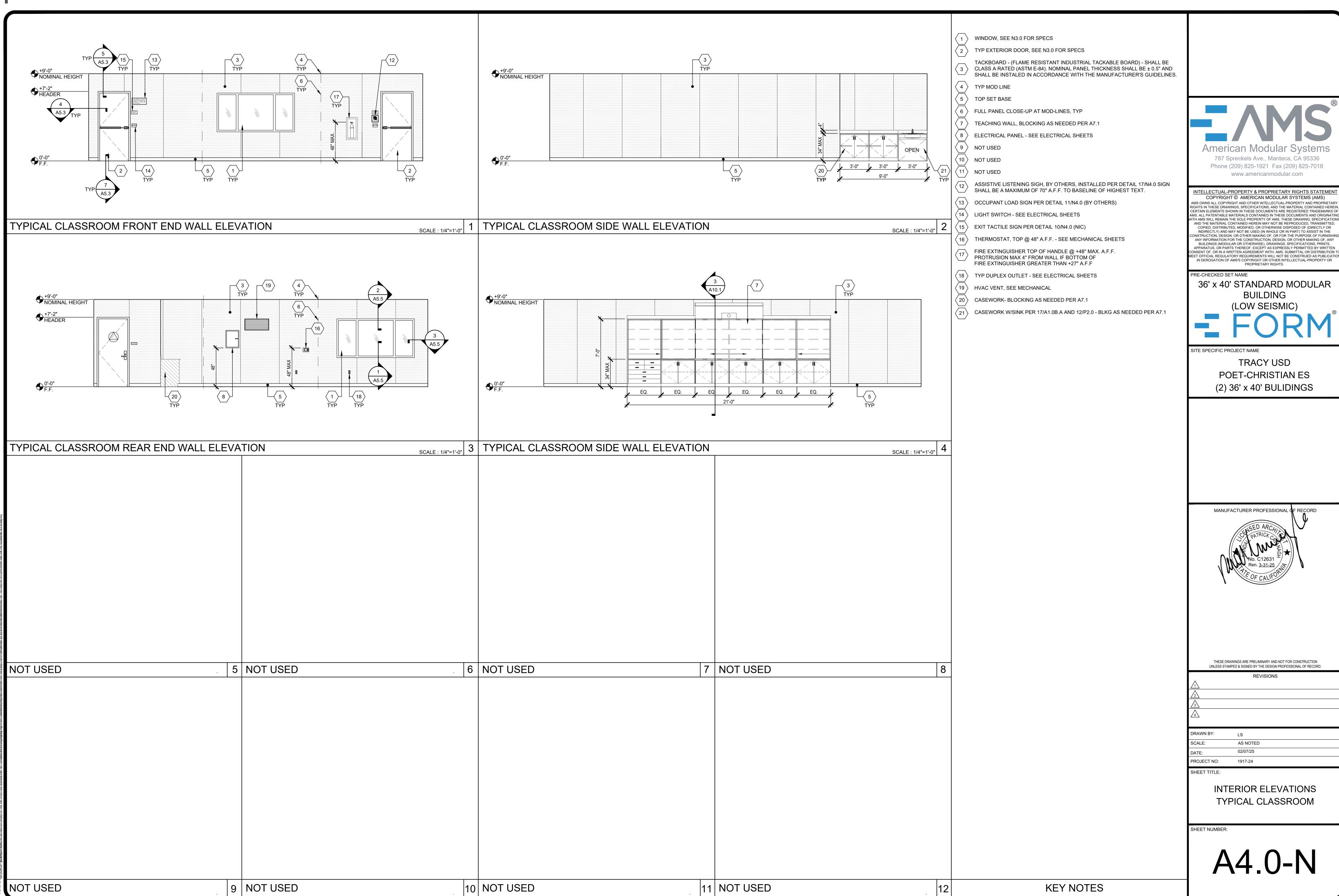
POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:

INTERIOR ELEVATIONS TYPICAL CLASSROOM

CLIENT PROJ NO: 359500100 A4.0-N

ADDENDUM "A"



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PLEASE RECYCLE 🖔

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

CLIENT PROJ NO: 3595001000

TYPICAL REFLECTED CEILING PLAN

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△ **DESCRIPTION** 

DATE ADDENDUM "A" 3/20/25

**KEYNOTES** 

**GENERAL NOTES** 

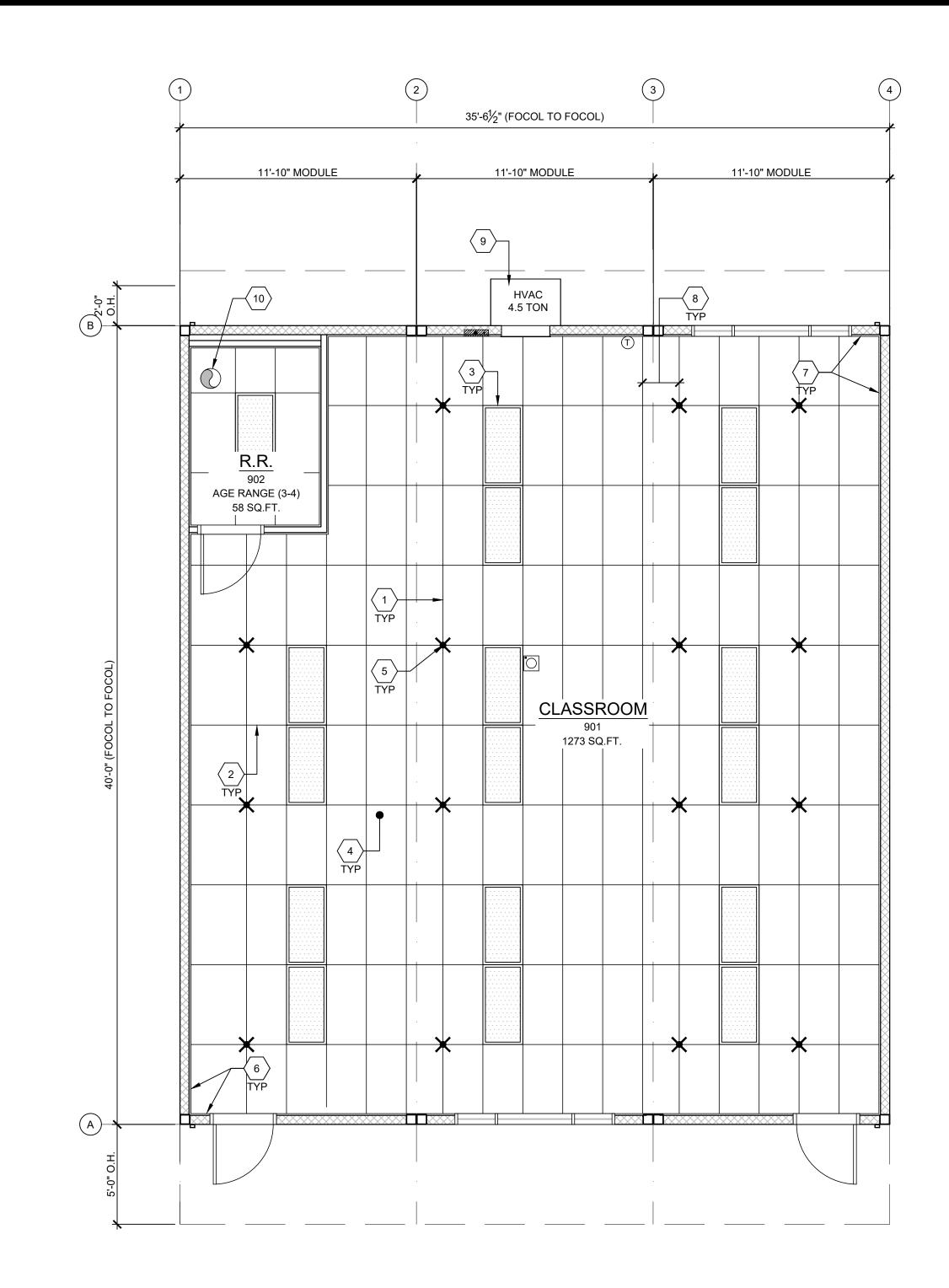
POET CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE. **TRACY, CA 95376** 

PROJECT:

POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME: TYPICAL REFLECTED CEILING PLAN

DATE: 04/03/24 CLIENT PROJ NO: 3595001000



 $\langle$  1  $\rangle$  MAIN TEE RUNNER TYP. PER TABLE A, SHEET M1.7 CROSS TEE RUNNER TYP. PER TABLE A, SHEET M1.7 INTERIOR LIGHT FIXTURE, REFER TO SHEET SHEET E1.0 FOR SPEC'S ATTACHMENT PER DETAIL 7/M1.4 4 CEILING HEIGHT @ 9'-0" MIN. STRUT/SPLAY WIRE ASSEMBLY, SEE 2/M1.4 FOR DETAILS FIXED CEILING END, SEE DETAIL 5A/M1.4

CENTER SECTION THAT CROSSES MODULE LINE TO BE FIELD INSTALLED, SEE 8 DETAIL 5C/M1.4 9 TYP. HVAC UNIT

 $\langle 10 \rangle$  EXHAUST FAN - SEE M1.1

7 FREE CEILING END, SEE DETAIL 5B/M1.4

### **KEY NOTES**

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.

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)

ACCEPTANCE TESTING PER ENERGY CODE SECTION 10-103.

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.

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(LOW SEISMIC)

SITE SPECIFIC PROJECT NAME TRACY USD POET-CHRISTIAN ES

(2) 36' x 40' BULIDINGS

MANUFACTURER PROFESSIONAL Q

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

**GENERAL NOTES** 

### MEP COMPONENT ANCHORAGE NOTES

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTER 13, 26 AND 30.

ALL PERMANENT EQUIPMENT AND COMPONENTS.

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

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.

CONNECTIONS EXCEPT PLUGS FOR110/220 VOLT RECEPTACLES HAVING A FLEXBLE

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 HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

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

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.

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

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),

MP☐ MD☐ PP☐ E☐ OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) #\_\_\_\_\_

DRAWN BY: LS AS NOTED 02/07/25

SHEET TITLE: ELECTRICAL DISTRIBUTION SYSTEMS (E): **TYPICAL** REFLECTED CEILING MP☑ MD☑ PP☑ E☑ OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS. PLAN

SHEET NUMBER:

PROJECT NO:

1917-24

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

. TOTAL BUILDING WIDTH INCLUDES  $\frac{1}{4}$ " PER MODULE CONSTRUCTION TOLERANCE PER FOUNDATION SHEET S1.1

BUILDING SIZE SCHEDULE

BUILDING SIZE (FT)

TOTAL # OF TOTAL # OF TOTAL FNDN WIDTH

TOTAL # OF CENTER FNDN WIDTH

0

1  $35'-6\frac{3}{4}$ "

2 47'-5"

3 59'-31/4"

4 | 71'-1½"

5  $82'-11\frac{3}{4}$ "

6 94'-10"

7 106'-81/4"

8 | 118'–6½"

24'x40' 2

36'x40' 3

48'x40' 4

60'x40' 5

72'x40' 6

84'x40' 7

96'x40' 8

PLEASE RECYCLE △↔

108'x40' 9 120'x40' 10 NOTES: NOT USED NOT USED NOT USED BUILDING SIZE SCHEDULE

MEP COMPONENT ANCHORAGE NOTES

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DATE

3/20/25



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**DESCRIPTION** 

ADDENDUM "A"

**KEYNOTES** 

**GENERAL NOTES** 

POET CHRISTIAN ELEMENTARY SCHOOL

PROJECT:

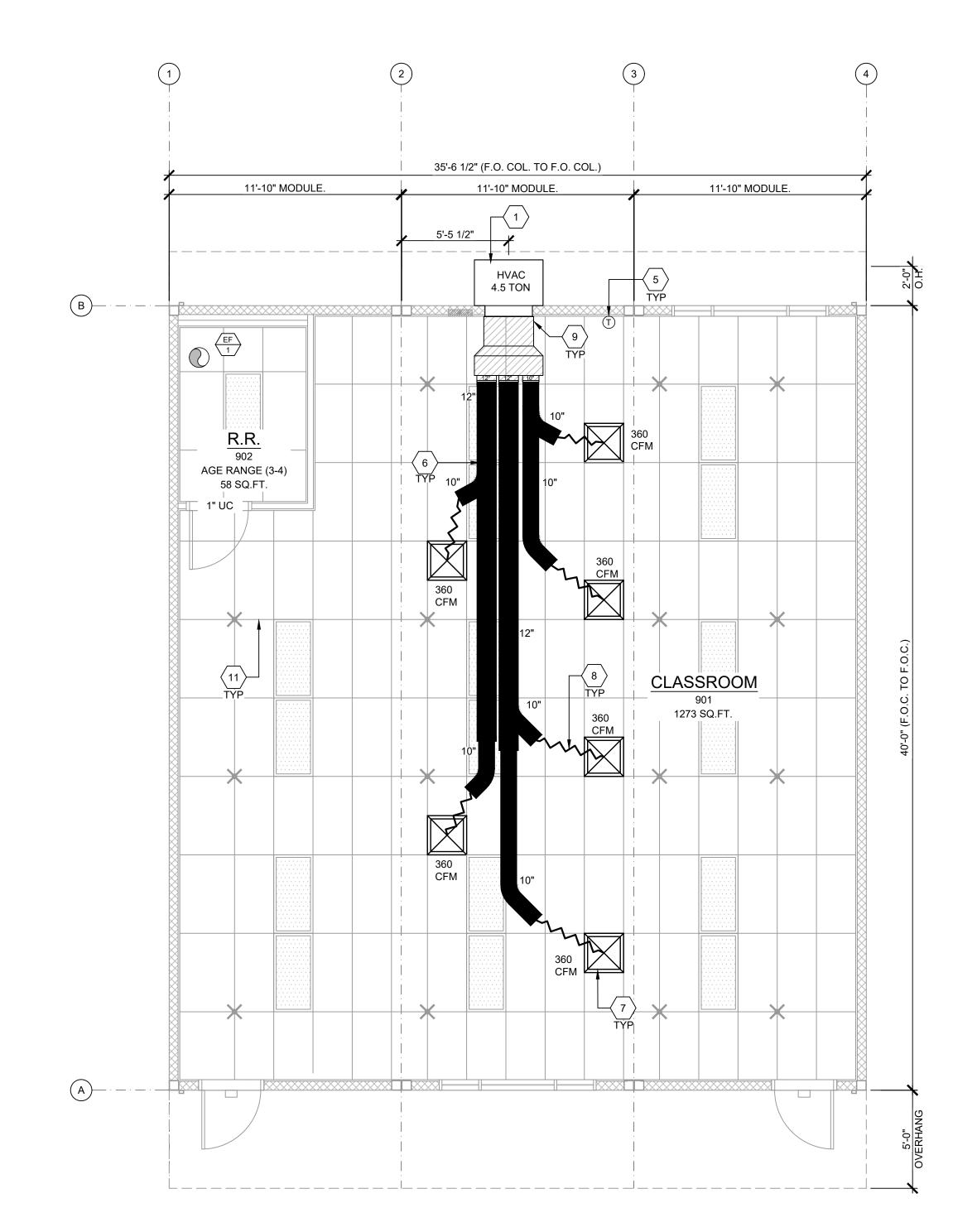
TRACY, CA 95376

POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME: TYPICAL MECHANICAL PLAN

1701 S CENTRAL AVE.

CLIENT PROJ NO: 3595001000



 $\langle$  1  $\rangle$  WALL HUNG HVAC UNIT - SEE 10/M1.4. NOT USED. NOT USED (3A) NOT USED (3B) NOT USED NOT USED 5 THERMOSTAT - 48" A.F.F, MAX TO TOP OF BOX 6 CONCEALED SUPPLY AIR DUCT ABOVE T-BAR CEILING - SEE 1/M1.4. TYPICAL 4-WAY SUPPLY AIR REGISTER LOCATION AND SIZE MAY VARY PER CEILING LAYOUT AND BUILDING SIZE - SEE 7/M1.5. (8) FLEX DUCT - NOMINAL 10" MIN. (MAY VARY) - SEE 8/M1.5.  $\langle 9 \rangle$  RETURN AIR AS PART OF UNIT. 787 Spreckels Ave., Manteca, CA 95336 (10) NOT USED Phone (209) 825-1921 Fax (209) 825-7018 www.americanmodular.com (11) STRUT/SPLAY WIRE ASSEMBLY, SEE 5/M1.4 FOR DETAILS (12) NOT USED INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEME COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS) MS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETA HTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HE TAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEM NOTE: FLEXIBLE AIR DUCTS AND CONNECTORS SHALL BE NOT MORE THAN 5 FEET IN LENGTH AND MS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGIN SHALL NOT BE USED IN LIEU OF RIGID ELBOWS OR FITTINGS. FLEXIBLE AIR DUCTS SHALL BE PERMITTED HAMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFIC AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED. TRANSMITTE TO BE USED AS AN ELBOW AT A TERMINAL DEVICE PER ENERGY CODE 120.4 AND CMC 603.4.1 COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE NSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURN ANY INFORMATION FOR THE CONSTRUCTION DESIGN OR OTHER MAKING OF BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS,
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**KEY NOTES** 

SITE SPECIFIC PROJECT NAME TRACY USD POET-CHRISTIAN ES (2) 36' x 40' BULIDINGS

36' x 40' STANDARD MODULAR

BUILDING

BUILDING SIZE SCHEDULE BUILDING SIZE TOTAL # OF TOTAL # OF TOTAL FNDN MODULES MODULES WIDTH 48'x40' 3 | 59'-31/4" 72'x40'  $5 | 82'-11\frac{3}{4}$ 6 | 94'-10" 96'x40' 8 7 | 106'-81/4" 108'x40' 9 8 | 118'-6½" 120'x40' 10

1. TOTAL BUILDING WIDTH INCLUDES  $\frac{1}{4}$ " PER MODULE CONSTRUCTION

TOLERANCE PER FOUNDATION SHEET S1.1

2. REFER TO SHEET M1.7 FOR TYPICAL NOTES AND CALL OUTS.

MANUFACTURER PROFESSIONAL OF RECORD

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION

UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

LS

PROJECT NO:

SHEET NUMBER:

SHEET TITLE:

AS NOTED

02/07/25

BUILDING SIZE SCHEDULE MECHANICAL PLAN

- WHERE TWO OR MORE HVAC UNITS SERVE A COMMON SPACE, UNITS SHALL BE EQUIPPED WITH A DUCT SMOKE DETECTOR FOR AUTOMATIC SHUTDOWN. INTERCONNECT WITH FIRE ALARM SYSTEM. AIR-MOVING SYSTEMS SUPPLYING AIR IN EXCESS OF 2000 CUBIC FEET PER MINUTE TO ENCLOSED SPACES WITHIN THE BUILDING SHALL BE EQUIPPED WITH AN AUTOMATIC SHUTOFF.
- AUTOMATIC SHUT-OFF IS NOT REQUIRED WHEN OCCUPIED ROOMS SERVED BY THE AIR HANDLING EQUIPMENT HAVE A DIRECT EXIT TO THE EXTERIOR AND THE TRAVEL DISTANCE DOES NOT EXCEED 100 FT. (PER C.M.C. 608.1 EXCEPTION #2.)
- LIGHTING FIXTURE MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-GRID.
- FOR T-BAR CEILING SPECIFICATIONS, SEE M1.7.
- 6. PROVIDE CO2 SENSORS AT ALL CLASSROOMS THAT MEET REQUIREMENTS OF CALGREEN 5.506.

SHEET NOTES

7. EACH PUBLIC K-12 SCHOOL CLASSROOM, AS LISTED IN TABLE 120.1-A OF THE CALIFORNIA ENERGY CODE, SHALL BE EQUIPPED WITH A CARBON DIOXIDE MONITOR OR SENSOR THAT MEETS THE FOLLOWING REQUIREMENTS: 1.THE MONITOR OR SENSOR SHALL BE PERMANENTLY AFFIXED IN A TAMPER-PROOF MANNER IN EACH CLASSROOM BETWEEN 3 AND 6 FEET (914 MM AND 1829 MM) ABOVE THE FLOOR AND AT LEAST 5 FEET (1524 MM) AWAY FROM DOORS AND OPERABLE WINDOWS 2.WHEN THE MONITOR OR SENSOR IS NOT INTEGRAL TO AN ENERGY MANAGEMENT CONTROL SYSTEM (EMCS), THE MONITOR OR SENSOR SHALL DISPLAY THE CARBON DIOXIDE READINGS ON THE DEVICE. WHEN THE SENSOR IS INTEGRAL TO AN EMCS, THE CARBON DIOXIDE READINGS SHALL BE AVAILABLE TO AND REGULARLY MONITORED BY FACILITY PERSONNEL. 3.A MONITOR SHALL PROVIDE NOTIFICATION THROUGH A VISUAL INDICATOR ON THE MONITOR WHEN THE CARBON DIOXIDE LEVELS IN THE CLASSROOM HAVE EXCEEDED 1,100 PPM. A SENSOR INTEGRAL TO AN EMCS SHALL PROVIDE NOTIFICATION TO FACILITY PERSONNEL THROUGH A VISUAL AND/OR AUDIBLE INDICATOR WHEN THE CARBON DIOXIDE LEVELS IN THE CLASSROOM HAVE EXCEEDED 1,100 PPM. 4.THE MONITOR OR SENSOR SHALL MEASURE CARBON DIOXIDE LEVELS AT MINIMUM 15-MINUTE INTERVALS AND SHALL MAINTAIN A RECORD OF PREVIOUS CARBON DIOXIDE MEASUREMENTS OF NOT LESS THAN 30 DAYS DURATION. 5.THE MONITOR OR SENSOR USED TO MEASURE CARBON DIOXIDE LEVELS SHALL HAVE THE CAPACITY TO MEASURE CARBON DIOXIDE LEVELS WITH A RANGE OF 400 PPM TO 2000 PPM OR GREATER. 6.THE MONITOR OR SENSOR SHALL BE CERTIFIED BY THE MANUFACTURER TO BE ACCURATE WITHIN 75 PPM AT 1,000 PPM CARBON DIOXIDE CONCENTRATION AND SHALL BE CERTIFIED BY THE MANUFACTURER TO REQUIRE CALIBRATION NO MORE FREQUENTLY THAN ONCE EVERY 5 YEARS.

8. PER ENERGY CODE 120.1(D): THERMOSTAT SHALL BE PROGRAMMED SO THAT THE AIR HANDLER FAN WILL RUN CONTINUALLY DURING OCCUPIED TIMES. PRE-OCCUPANCY PURGE SHALL BE PROGRAMED ONE HOUR PRIOR TO THE MODULAR BUILDING BEING NORMALLY OCCUPIED. SHOW THERMOSTAT PLACEMENT ON THE PLANS TO BE PLACED AWAY FROM DOORS AND OPERABLE WINDOWS. MECHANICAL PLANS SHOW THERMOSTAT AND SENSOR LOCATIONS, CONTROL DEVICES, AND INCLUDE A CONTROL SEQUENCE OF OPERATIONS. 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 NORMALLY UNOCCUPIED TIMES. THIS CAN BE A MANUAL OVERRIDE FOR UP TO 4 HOURS, OCCUPANCY SENSOR OR A 4 HOUR MANUALLY OPERATED TIMER.

MARK DESCRIPTION CFM WATTS S.P. VOLT/PH **NUTONE AN110** CEILING MOUNTED  $\longrightarrow$  EXHAUST FAN | 110 | 47.3 | .10" | 120-1 $\emptyset$  | 180 $\Theta$  INPUT 10 LBS (OR EQUAL)

- 2. FANS MUST WEIGH LESS THAN 25 LBS.
- 3. LIGHTING FIXTURES MAY BE INSTALLED ROTATED 90° FROM SHOWN

EXHAUST FAN SCHEDULE

1. VENT EXHAUST FAN THROUGH THE ROOF

TO MATCH T-GRID LAYOUT.

4. FOR INSTALLATION DETAILS REFER TO AA & 16/M1.6

NOT USED

TYPICAL MECHANICAL PLAN



**HMC** Architects

3595001000

2101 CAPITOL AVENUE, SUITE 100 SACRAMENTO, CA 95816

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△ **DESCRIPTION** 

ADDENDUM "A"

DATE

3/20/25

**KEYNOTES** 

**GENERAL NOTES** 

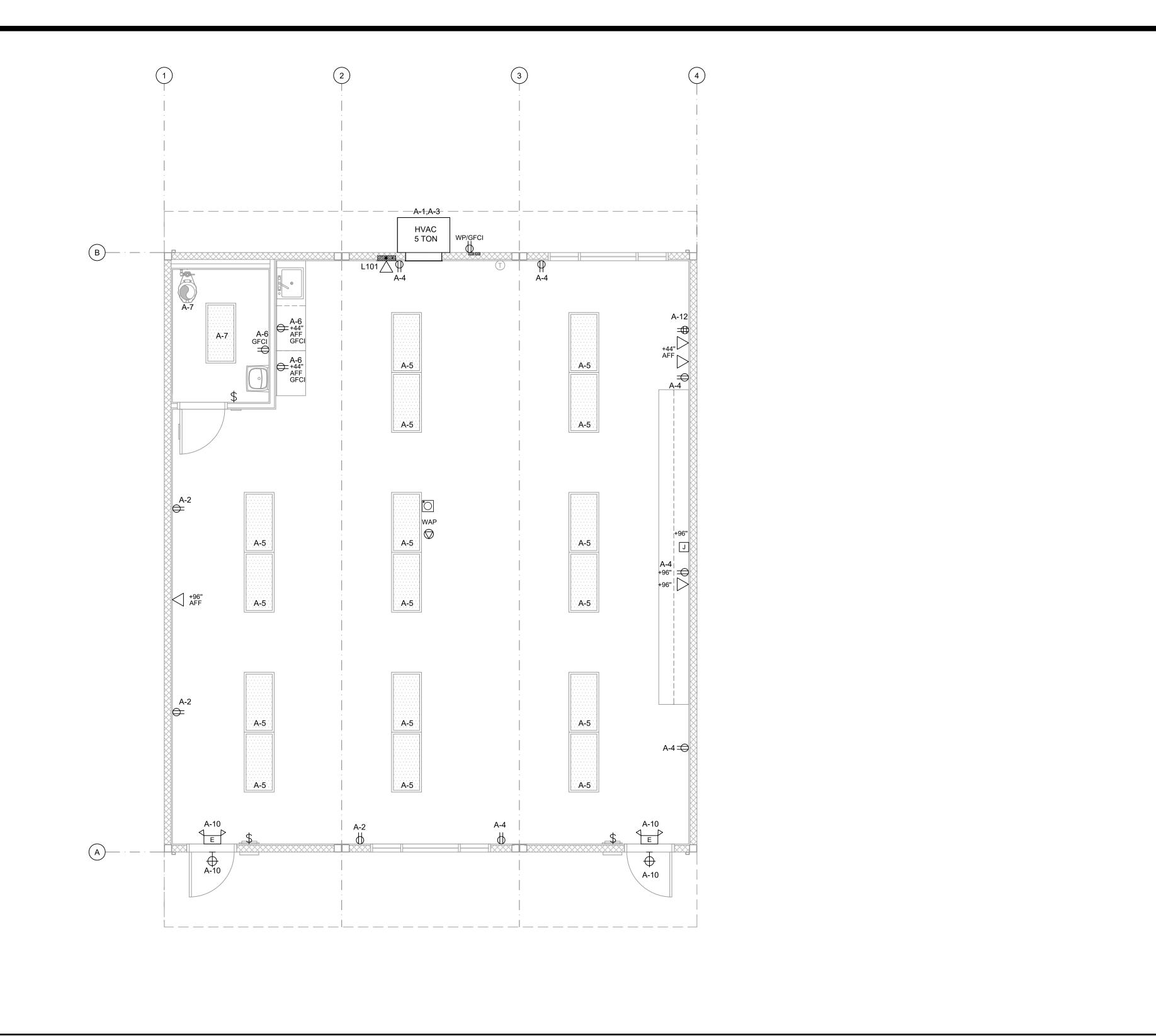
POET CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE.

PROJECT: POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:

TYPICAL ELECTRICAL PLAN

DATE: 04/03/24 CLIENT PROJ NO: 3595001000



THE PROJECT ARCHITECT SHALL BE RESPONSIBLE FOR THE PLACEMENT OF HEAT & 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 & CBC 907.2.3.

PULL STATIONS ARE REQUIRED AT EVERY EXIT. AT ANY SPACE

SPECIFIC AND ARE NOT INCLUDED IN THIS BASE PC.

EMERGENCY EXIT ILLUMINATION (CBC 1008).

4. SEE PLANS FOR LOCATIONS OF ALL DEVICES.

CONJUNCTION WITH BI-LEVEL SWITCHING.

FACE OF BUILDING.

REGULATIONS.

ANY MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE

REQUIRING 2 OR MORE EXITS, PROVIDE EXIT SIGNS (CBC 1013) AND

STUB-OUT LOCATIONS FOR ELECTRICAL PANEL, FIRE ALARM, AND DATA

BOXES ARE SHOWN DIAGRAMMATICAL ONLY. EXACT LOCATIONS MAY

SYSTEMS FOR EXACT LOCATIONS. POINT OF CONNECTION WILL BE AT

SPACE WITH 1/2" MIN. GALV. THIN WALL TUBING (EMT). DO NOT CONNECT

THE LIGHTS FOR EACH ROOM OVER 250 SQ FT SHALL BE CONTROLLED

VARY +/- SEVERAL FEET. PLEASE CONTACT AMERICAN MODULAR

STUB-UP ALL FIRE ALARM JUNCTION BOXES TO ACCESSIBLE ATTIC

FIRE ALARM CONDUIT WITH ANY OTHER ELECTRICAL CONDUIT.

BY ULTRASONIC OCCUPANCY SENSOR: WATT STOPPER W-500A,

W-1000A, OR W-2000A (OR EQUAL) BASED ON THE ROOM SIZE, IN

FIXTURE MOUNTING SHALL COMPLY WITH CALIFORNIA SEISMIC

TYPICAL ELECTRICAL PLAN

ULTRASONIC CEILING

OCCUPANCY SENSOR OR

OCCUPANCY/PHOTOCELL

SENSOR

REQUIRED FOR OFFICES, LOBBY, AND

TYP. CONTROLLED/UNCONTROLLED RECEPTACLE WIRING DIAGRAM

MEETING ROOMS ONLY.

COMBINATION

CONTROLLED

OUTLET

UNCONTROLLED

OUTLET

**ENERGY CONTROLS** 

SENSOR.

FOR THIS PC.

TO ROOM

AND ARE NOT INCLUDED IN THE BASE PC.

**AUTOMATIC DAYLIGHTING CONTROLS:** 

NOT REQUIRED IN ROOMS WHERE COMBINED INSTALLED LIGHTING POWER IN

WATTAGE IN PRIMARY SIDELIT DAY LIT ZONE IS 90 WATTS (2x 45w, AS SHOWN IN

THE SHADED AREAS). THEREFORE, AUTOMATIC DAYLIGHTING CONTROLS ARE

ONLY REQUIRED WHEN "SOLATUBES" ARE INSTALLED. SEE A1.1. WHEN DAYLIT

CONTROLS ARE REQUIRED, PROVIDE COMBINATION OCCUPANCY/PHOTOCELL

PER TITLE 24 CODE, "AN EMCS MAY BE INSTALLED TO COMPLY WITH THE

REQUIREMENTS OF ONE OR MORE LIGHTING CONTROLS IF IT MEETS THE

MINIMUM REQUIREMENTS". PC MAY CONTAIN OCCUPANCY SENSORS AND

PHOTOCELL CONTROL LIGHTING, IN THAT CASE, AN EMCS IS NOT REQUIRED

NOTE: ANT MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE SPECIFIC

**ENERGY NOTES** 

PROGRAMMABLE SWITCH

- OCCUPANCY SENSOR

PHOTOCELL SENSOR

- ROOM CONTROL (0-10V DIMMING)

ENERGY MANAGEMENT CONTROL SYSTEM (EMCS) CONNECTION:

SOLAR-READY ZONE REQUIREMENTS:
REQUIREMENTS & TABLE CAN BE FOUND ON SHEET A2.0

4. SUGGESTED CONTROLS DIAGRAM FOR TYPICAL DAYLIT ZONE:

COMBINED SKYLIT & PRIMARY DAYLIT ZONES ARE <120 WATTS. INSTALLED

ELECTRICAL PANEL - MOUNT FLUSH WITH WALL FINISH, EXTERIOR LIGHT FIXTURE @ EACH DOOR, LED OR EQUAL (MAX 40W) - WHERE THERE ARE TWO OR MORE EXITS, A MINIMUM 90 MIN. BATTERY BACK-UP IS REQUIRED UNCONTROLLED-DUPLEX WALL CONVENIENCE OUTLET -FOURPLEX WALL OUTLET - MOUNT @ +18" A.F.F. TO WP/GFCI WEATHER-PROOF GROUND FAULT CIRCUIT INTERRUPT OUTLET - MOUNT @ 18" A.F.F. TO CENTERLINE - U.O.N. American Modular Systems THERMOSTAT - TOP OF BOX MOUNTED @ +48" A.F.F. ELECTRICAL CROSSOVER - J-BOX - ABOVE CEILING -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 CONTROLLED-SINGLE POLE LIGHT SWITCHES - MOUNT @ +48" A.F.F. MAX TO TOP OF BOX - HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE. ULTRASONIC OCCUPANCY SENSOR - MOUNTED TO FINISH CEILING (PROVIDE WITH COMBINATION PHOTOCELL PROPRIETARY RIGHTS. SENSOR WHEN DAYLIT CONTROLS ARE REQUIRED) PRE-CHECKED SET NAME 2'x4' LED EDGE FIT FIXTURE, MODEL: LSI, SFP24 BUILDING 24 HOUR EMERGENCY LIGHTING WITH MINIMUM 90-MINUTE BATTERY BACK-UP - WHERE TWO OR MORE EXITS ARE EMERGENCY EXIT LIGHT, - WHERE THERE ARE TWO OR MORE EXITS, AN EXIT SIGN WITH INTEGRAL EMERGENCY SITE SPECIFIC PROJECT NAME LIGHTING W/MINIMUM 90-MINUTE BATTERY BACK-UP IS (2) 36' x 40' BULIDINGS DRAWN BY: LS AS NOTED 02/07/25 PROJECT NO: SHEET TITLE: **TYPICAL** 

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(LOW SEISMIC)

TRACY USD POET-CHRISTIAN ES

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ELECTRICAL PLAN

**TRACY, CA 95376** 

SHEET NUMBER:

ELECTRICAL SYMBOLS

MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N.

5601K LUMENS - 45 WATTS MAX OR EQUAL

CENTER LINE - U.O.N.

#1- 4"x1", #22- 4"x2"

REQUIRED

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

9. LIGHTING FIXTURES MAY BE INSTALLED ROTATED 90° FROM SHOWN TO

10. ACCEPTANCE TESTS SHALL BE COMPLETED ON NEWLY INSTALLED OR

PER THE CALIFORNIA ENERGY CODE SECTION 10-103. ACCEPTANCE

TECHNICIAN (ATT). THE ACCEPTANCE TESTING PROCEDURES MUST BE

REPEATED, AND DEFICIENCIES CORRECTED UNTIL THE INSTALLATION OF

TESTS MUST BE PERFORMED BY A CERTIFIED ACCEPTANCE TEST.

THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED

1. DEMAND RESPONSE CONTROLS ARE REQUIRED IN BUILDINGS LARGER

3. DEMAND RESPONSE CONTROLS AND EQUIPMENT SHALL BE CAPABLE OF

STANDARD-BASED MESSAGING PROTOCOL WHICH ENABLES DEMAND

CONTROLS MUST INCLUDE THE SUBMITTAL OF FORM NRCC-ELC-O1-E TO

RECEIVING AND AUTOMATICALLY RESPONDING TO AT LEAST ONE

ACCEPTANCE CRITERIA. COMPLETED NRCA FORMS SHALL BE

SUBMITTED TO THE PROJECT INSPECTOR AND THE DISTRICT.

2. DEMAND RESPONSE CONTROLS, WHERE REQUIRED, ARE TO BE

4. SITE-SPECIFIC PROJECTS WHICH REQUIRE DEMAND RESPONSE

RESPONSE AFTER RECEIVING A DEMAND SIGNAL.

REPLACEMENT OF LIGHTING CONTROLS BEFORE PROJECT COMPLETION

MATCH T-BAR GRID LAYOUT.

DEMAND RESPONSE CONTROLS

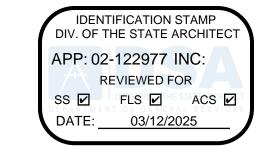
PROVIDED BY OTHERS.

THAN 10,000 S.F.

DSA (BY OTHERS).

**GENERAL NOTES** 

**NOT USED** 





**HMC** Architects

## 3595001000

2101 CAPITOL AVENUE, SUITE 100 SACRAMENTO, CA 95816

916 368 7990 / www.hmcarchitects.com

**DESCRIPTION** 

A ADDENDUM "A"

DATE

3/20/25

**KEYNOTES** 

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36' x 40' STANDARD MODULAR

BUILDING

(LOW SEISMIC)

TRACY USD

POET-CHRISTIAN ES

(2) 36' x 40' BULIDINGS

MANUFACTURER PROFESSIONAL

PRE-CHECKED SET NAME

SITE SPECIFIC PROJECT NAME

OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICA

RTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADE

**GENERAL NOTES** 

POET CHRISTIAN ELEMENTARY SCHOOL

1701 S CENTRAL AVE. TRACY, CA 95376

PROJECT: POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME: **ELECTRICAL NOTES & DETAILS** 

DATE: 04/03/24 CLIENT PROJ NO: 359500100

ADDENDUM "A"

TYPICAL ROOF PURLIN — ANVIL FIG. 551 THREADED SIDE BEAM BRACKET w/ (2) 1/4"x1" TECK SCREWS PER ICC ESR 1976 3/8"Ø ALL THREAD ROD @ 96" O.C. MAX AND 24" MAX FROM ENDS PROVIDE MIN. (2) PER 10' PIECE - CABLE TRAY CABLOFIL CF 105/300 EZ OR EQUAL CABLE TRAY BY OTHERS, WEIGHT OF CABLES & CABLE TRAY = 5 LBS/FT - CABLOFIL HANGER FASPCH 300 120 LBS MAX WEIGHT CABLE TRAY DETAIL SCALE: N.T.S.

PANEL: L101

TOTAL WATTS=21937.5

PHASE:

VOLTS:

BUSS:

250.52 GROUNDING ELECTRODES.

250.52(A) ELECTRODES PERMITTED FOR GROUNDING.

(1) METAL UNDERGROUND WATER PIPE. A METAL UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH THE EARTH FOR 3.0 M (10 FT) OR MORE (INCLUDING ANY METAL WELL CASING BONDED TO THE PIPE) AND ELECTRICALLY CONTINUOUS (OR MADE ELECTRICALLY CONTINUOUS BY BONDING AROUND INSULATING  $\mid$  JOINTS OR INSULATING PIPE) TO THE POINTS OF CONNECTION OF THE GROUNDING ELECTRODE CONDUCTOR  $\mid$ AND THE BONDING CONDUCTOR(S) OR JUMPER(S), IF INSTALLED.

PROVIDE CONDUIT FOR—

FUTURE SOLAR

ELECTRICAL PANEL——

ALL WIRING -

BY OTHERS

ALL CONDUITS BEYOND -

THIS POINT BY OTHERS

MOUNTING:

0 4 .0.

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).

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

IN ADDITION TO THE DETAIL SHOWN ABOVE, BOND THE

ELECTRICAL GROUND TO METAL WATER PIPE EMBEDDED AT

ELECTRICAL BOND MODULES TOGETHER W/#8 CU @ MODLINE. BY MANUFACTURER. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS (CEC)

(2) METAL IN-GROUND SUPPORT STRUCTURE(S). ONE OR MORE METAL IN-GROUND SUPPORT STRUCTURE(S) IN DIRECT CONTACT WITH THE EARTH VERTICALLY FOR 3.0 M (10 FT) OR MORE, WITH OR WITHOUT CONCRETE ENCASEMENT. IF MULTIPLE METAL IN-GROUND SUPPORT STRUCTURES ARE PRESENT AT A BUILDING OR A STRUCTURE, IT SHALL BE PERMISSIBLE TO BOND ONLY ONE INTO THE GROUNDING ELECTRODE SYSTEM. INFORMATIONAL NOTE: METAL IN-GROUND SUPPORT STRUCTURES INCLUDE, BUT ARE NOT LIMITED TO, PILINGS, CASINGS, AND OTHER STRUCTURAL METAL

(3) CONCRETE-ENCASED ELECTRODE. A CONCRETE-ENCASED ELECTRODE SHALL CONSIST OF AT LEAST 6.0 M (20 FT) OF EITHER (1) OR (2):

(1) ONE OR MORE BARE OR ZINC GALVANIZED OR OTHER ELECTRICALLY CONDUCTIVE COATED STEEL REINFORCING BARS OR RODS OF NOT LESS THAN 13 MM (1/2 IN.) IN DIAMETER, INSTALLED IN ONE CONTINUOUS 6.0 M (20 FT) LENGTH, OR IF IN MULTIPLE PIECES CONNECTED TOGETHER BY THE USUAL STEEL TIE WIRES, EXOTHERMIC WELDING, WELDING, OR OTHER EFFECTIVE MEANS TO CREATE A 6.0 M (20 FT) OR

(2) BARE COPPER CONDUCTOR NOT SMALLER THAN 4 AWG

LENGTH AND SHALL CONSIST OF THE FOLLOWING MATERIALS.

METALLIC COMPONENTS SHALL BE ENCASED BY AT LEAST 50 MM (2 IN.) OF CONCRETE AND SHALL BE LOCATED HORIZONTALLY WITHIN THAT PORTION OF A CONCRETE FOUNDATION OR FOOTING THAT IS IN DIRECT CONTACT WITH THE EARTH OR WITHIN VERTICAL FOUNDATIONS OR STRUCTURAL COMPONENTS OR MEMBERS THAT ARE IN DIRECT CONTACT WITH THE EARTH. IF MULTIPLE CONCRETE-ENCASED ELECTRODES ARE PRESENT AT A BUILDING OR STRUCTURE, IT SHALL BE PERMISSIBLE TO BOND ONLY ONE INTO THE GROUNDING ELECTRODE SYSTEM.

INFORMATIONAL NOTE: CONCRETE INSTALLED WITH INSULATION, VAPOR BARRIERS, FILMS OR SIMILAR ITEMS SEPARATING THE CONCRETE FROM THE EARTH IS NOT CONSIDERED TO BE IN "DIRECT CONTACT" WITH THE

THE EARTH, CONSISTING OF AT LEAST 6.0 M (20 FT) OF BARE COPPER CONDUCTOR NOT SMALLER THAN 2 (5) ROD AND PIPE ELECTRODES. ROD AND PIPE ELECTRODES SHALL NOT BE LESS THAN 2.44 M (8 FT) IN

(4) GROUND RING. A GROUND RING ENCIRCLING THE BUILDING OR STRUCTURE, IN DIRECT CONTACT WITH

(A) GROUNDING ELECTRODES OF PIPE OR CONDUIT SHALL NOT BE SMALLER THAN METRIC DESIGNATOR 21 (TRADE SIZE 3/4) AND, WHERE OF STEEL, SHALL HAVE THE OUTER SURFACE GALVANIZED OR OTHERWISE METAL-COATED FOR CORROSION PROTECTION.

(B) ROD-TYPE GROUNDING ELECTRODES OF STAINLESS STEEL AND COPPER OR ZINC COATED STEEL SHALL BE AT LEAST 15.87 MM (5/8 IN.) IN DIAMETER, UNLESS LISTED. (6) OTHER LISTED ELECTRODES. OTHER LISTED GROUNDING ELECTRODES SHALL BE PERMITTED.

(7) PLATE ELECTRODES. EACH PLATE ELECTRODE SHALL EXPOSE NOT LESS THAN 0.186 M2 (2 FT2) OF SURFACE TO EXTERIOR SOIL. ELECTRODES OF BARE OR ELECTRICALLY CONDUCTIVE COATED IRON OR STEEL PLATES SHALL BE AT LEAST 6.4 MM (1/4 IN.) IN THICKNESS. SOLID, UNCOATED ELECTRODES OF NONFERROUS METAL SHALL BE AT LEAST 1.5 MM (0.06 IN.) IN THICKNESS.

(8) OTHER LOCAL METAL UNDERGROUND SYSTEMS OR STRUCTURES. OTHER LOCAL METAL UNDERGROUND SYSTEMS OR STRUCTURES SUCH AS PIPING SYSTEMS, UNDERGROUND TANKS, AND UNDERGROUND METAL WELL CASINGS THAT ARE NOT BONDED TO A METAL WATER PIPE. (B) NOT PERMITTED FOR USE AS GROUNDING ELECTRODES

**ELECTRICAL PANEL CONNECTION DETAIL - UNDERFLOOR OPTION** 

FEED:

TOTAL AMPS: 91.41

THE FOLLOWING SYSTEMS AND MATERIALS SHALL NOT BE USED AS GROUNDING ELECTRODES:

METAL UNDERGROUND GAS PIPING SYSTEMS 2) ALUMINUM

THE STRUCTURES AND STRUCTURAL REINFORCING STEEL DESCRIBED IN 680.26(B)(1) AND (B)(2)

LOCATION:

INFORMATIONAL NOTE: SEE 250.104(B) FOR BONDING REQUIREMENTS OF GAS PIPING. FIRE ALARM SYSTEM

AND THE 2022 EDITION OF NFPA 72.

THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE, CALIFORNIA FIRE CODE AND THE CALIFORNIA BUILDING CODE.

INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTINGS FOR EACH COMPONENT OF THE SYSTEM, HAVE BEEN APPROVED BY DSA.

UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY.

JUNCTION BOXES - GALVANIZED SHEET METAL, SQUARE OR RECTANGULAR WITH BLANK COVERS. LOCATE ONE BOX AT REAR OF BUILDING NEAR MAIN ELECTRICAL PANEL @ +18" ABOVE FINISH FLOOR FOR FUTURE CONNECTION.

LOCATIONS. INSTALL FINISH COVERS AT INTERIOR LOCATIONS. THE AUTOMATIC ALARM SYSTEM SHALL BE INSTALLED, TESTED, AND MAINTAINED IN ACCORDANCE WITH THE STATE FIRE MARSHALL'S REGULATIONS (CBC SEC. 907.2.3)

COVERS - INSTALL GASKETED, METAL, WATERPROOF, FINISH COVERS AT EXTERIOR

THE LOCATION OF AUTOMATIC DETECTORS, MANUAL STATIONS AND OTHER FIRE ALARM EQUIPMENT AND DEVICES, AS SHOWN ON PLAN, ARE FOR REFERENCE ONLY AND DO NOT CONSTITUTE SHOP DRAWINGS WHICH ARE REQUIRED FOR REVIEW AND

ALARM-INDICATING DEVICES OF A FIRE ALARM SYSTEM INTENDED TO ALERT ALL OCCUPANTS SHALL CAUSE A LEVEL OF AUDIBILITY OF NOT LESS THAN 15 dBA ABOVE THE AVERAGE AMBIENT NOISE LEVELS OR 5dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF 60 SECONDS, WHICHEVER IS GREATER, MEASURED 5' ABOVE THE FLOOR. AMBIENT NOISE LEVELS MEANS THE LEVEL WHICH CAN NORMALLY BE EXPECTED WHEN THE FACILITY, BUILDING, ROOM, OR AREA IS FUNCTIONING UNDER NORMAL OPERATING OR WORKING CONDITIONS (NFPA 72, SEC. 18.4.1).

THE ALARM SYSTEM SHALL ACTIVATE A MEANS OF WARNING THE HEARING IMPAIRED. FLASHING VISUAL WARNINGS SHALL HAVE A FLASH RATE NOT EXCEEDING TWO FLASHES PER SECOND (2 HZ), NOR BE LESS THAN ONE FLASH EVERY SECOND (1 HZ). STROBE SIGNALING DEVICES FOR THE HEARING IMPAIRED SHALL BE STATE FIRE MARSHALL APPROVED AND LISTED (NFPA 72, SEC. 18.5.3).

AUTOMATIC FIRE ALARM SYSTEM SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72 CHAPTER 26. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX OR UUJS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY OWNER. IF TESTING RESULTS DETERMINE FIRE ALARM AUDIBILITY DOES NOT MEET 15db OVER AMBIENT NOISE LEVELS, ADDITIONAL FIRE ALARM SIGNALING DEVICES MAY BE REQUIRED BY THE ENFORCING AGENCY.

> SEE SHEET M1.0 FOR ALL BRACING AND ANCHORAGE

GENERAL NOTES

GROUNDING ELECTRODE CONDUCTOR SIZED PER CEC.

NOTES.

PROVIDE BONDS TO BLDG. STEEL & PANEL (#8 CU)

PANEL TO LISTED FOR USE AS SERVICE EQUIPMENT.

ALL PANELS, SWITCHES, DISCONNECTS, BREAKERS, METERS, AND OTHER ELECTRICAL ELEMENTS SHALL BE PLACED ABOVE THE ELEVATION REQUIRED BY ASCE 24-14, SECTION 7.2.

WHERE FLEXIBLE CONDUIT IS PASSING BETWEEN BUILDING SEPARATION JOINTS, PROVIDE SUFFICIENT LENGTH OF CONDUIT TO PERMIT DIFFERENTIAL DISPLACEMENTS BETWEEN BUILDINGS IN COMPLIANCE WITH ASCE 7 SECTION 13.6.9 & DSA IR PC-2 SECTION 1.18. ADDITIONAL CONDUIT & JOINT DETAIL SHALL BE PROVIDED BY OTHERS.

FIXTURE NOTES:

ALL FLUORESCENT LIGHT FIXTURES SHALL HAVE ENERGY SAVING LAMPS AND BALLASTS.

LUMINARIES/BALLASTS SHALL BE CERTIFIED PER CALIFORNIA BUILDING CODE,

FLUORESCENT LIGHT FIXTURE TYPE "A" SHALL BE CONTROLLED TO PROVIDE TWO LEVELS OF LIGHTING. SWITCH (SA) SHALL CONTROL THE TWO OUTER LAMPS AND SWITCH (SB) SHALL CONTROL THE TWO INNER LAMPS.

ELECTRICAL SERVICE DROP AND CONNECTIONS SUPPLIED BY OTHERS.

THROUGH THE EXTERIOR WALL OR TO BELOW FLOOR FOR RECEIVING EITHER UNDERGROUND OR OVERHEAD SERVICE & FITTING FOR GROUNDING CABLE.

MANUFACTURER TO PROVIDE STUB-OUT FROM BACK OF ELECTRICAL PANEL

ELECTRICAL PANEL BOARD SHALL BE RECESS MOUNTED INSIDE THE BUILDING, SIZED TO ACCOMMODATE ALL CONNECTED LOADS INCLUDING SPACES AS SHOWN. OVERCURRENT PROTECTIVE DEVICES IN THE PANEL BOARDS SHALL HAVE ADEQUATE SHORT CIRCUIT INTERRUPTING CAPACITY. ALL BUSES INCLUDING BUS SHALL BE COPPER OR ALUMINUM.

2X4 FLUORESCENT FIXTURES SHALL HAVE A STEEL FRAME, LENS SHALL BE HINGED AND LOCKED IN PLACE BY TWO LOCKING DEVICES. THE LENS DIFFUSERS SHALL BE KHS, INC. #KSH-2, CAROLITE, INC. #C-12 OR PLASKOLITE, INC. #PL21A. MINIMUM LENS THICKNESS SHALL BE 0.125 INCHES.

FLUORESCENT BALLAST SHALL BE ENERGY SAVER WHILE MAINTAINING FULL LIGHT OUTPUT, CLASS "P" EQUIPPED WITH THERMAL PROTECTORS, GUARANTEED

A. CLOCK SHALL BE GENERAL ELECTRIC MODEL 2912 129V 60 CYCLE B. CLOCK OUTLET SHALL BE BRYANT #2828 OR EQUAL WITH SEPARABLE HANGING CLIP & APP'D RECEPT. THE H.V.A.C. UNIT FEEDER CIRCUIT - PANEL CIRCUIT BREAKER, FEEDER WIRE, UNIT DISCONNECT AND FUSES (WHERE USED) - IS TO BE COORDINATED WITH THE NAME PLATE DATA AT THE TIME OF MANUFACTURE. H.V.A.C. UNITS HAVING KVA RATINGS LARGER THAN THAT INDICATED ON THIS PANEL SCHEDULE WILL NOT BE ALLOWED TO BE

INSTALLED ON THIS BUILDING. C. IF 60 DEGREES WIRE IS TO BE USED IN THIS INSTALLATION, CALCULATIONS

DEMONSTRATING AMPACITY SHALL BE PROVIDED ON THE DRAWING.

S/N-BOTTON WIRECKT|LEGCKT|WIRE WATTS WATTS INO WAT1 OBJECT B BRKPOLESIZE NO AB NO SIZEPOLEBRK A B LCL OF PER DESCRIPTION | 4 | 180 | RECEPTS 900 TON HVAC NTERIOR LIGHTS: ECEPT-GFCI 1) INT LIGHT (1) FAN 180 RECEPT-WP/GFCI 2) EXT7 (2) EXIT LIGHTS: 142 360 1 | 360 |QUAD RECEPT **LEG TOTALS** 8117 7492 1222 | 1440 | LEG TOTALS LCL=3666.5+18271=21937.5

LEG BALANCE = 2.2%

MAIN:

FIRE ALARM DEDICATED CIRCUIT SHALL BE IDENTIFIED WITH A RED

MARKED DISCONNECT WITH LOCK-ON CAPABILITY (NFPA 72 10.6.5.2)

LOAD PANEL CALCULATIONS

PLEASE RECYCLE (44)

**GENERAL NOTES** 

TEE CONDUIT FOR SEPARATE

BONDED TO METAL BUILDING

- GROUND CLAMP BY OTHERS

COPPERCLAD GROUND ROD

SCALE: 1-1/2" = 1' - 0"

OR OTHER ELECTRODE (BY

OTHERS) AS SPECIFIED IN

CONDUCTOR GROUND

GROUND CLAMP

%" DIA. X 8' LONG

AGAINST FAILURE FOR (2) YEARS AND BE REPLACEABLE FROM INSIDE THE

9. CLOCK - 12" DIAL CLOCK ON CLOCK OUTLET.

**ELECTRICAL NOTES &** 

LS

AS NOTED

02/07/25

RAWN BY:

ROJECT NO:

SHEET TITLE:

**DETAILS** 

HEET NUMBER:

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

E1.2-N

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-122977 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

DATE

3/20/25



**HMC** Architects

3595001000

2101 CAPITOL AVENUE, SUITE 100 SACRAMENTO, CA 95816

916 368 7990 / www.hmcarchitects.com

△ **DESCRIPTION** 

A ADDENDUM "A"

**KEYNOTES** 

**GENERAL NOTES** 

787 Spreckels Ave., Manteca, CA 95336

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

DRAWN BY: LS AS NOTED 02/07/25 PROJECT NO: 1917-24

SHEET TITLE:

PLUMBING PLAN

RESTROOM OPTIONS & FIXTURE SCHEDULE

SHEET NUMBER:

P1.0-N

FLOOR PLANS. MOUNT ACCESSIBLE Phone (209) 825-1921 Fax (209) 825-7018 FIXTURES PER SCHEDULE 10/P2.0 - FLOW www.americanmodular.com RATE OF 0.5 G.P.M. METER FAUCETS SHALL REMAIN OPEN FOR 10 SECONDS MIN. ADULT RESTROOM - ZURN INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMENT ADULT\_\_\_ COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS) MODEL Z7440-XL-FC LAVATORY 'KINGSTON' HOT/COLD WATER - 4" ON CENTER HOLE. AMS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIET MODEL K-2005-0 GHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HE MOUNT AS SPECIFIED IN FLOOR PLANS. CERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMARKS AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINA WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICAT MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 10/P2.0 - FLOW RATE OF 0.5 G.P.M. 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 FURNISHIN URINAL WALL MOUNT TYPE FLUSH VALVE ZURN MODEL Z6003-AV KOHLER MODEL DEXTER BUILDINGS (MODULAR OR OTHERWISE) DRAWINGS SPECIFICATIONS PRINTS K-5452-ET-0 IN FLOOR PLANS. MOUNT ACCESSIBLE PPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTE OR EQUAL FIXTURES PER SCHEDULE 10/P2.0 INSENT OF. OR IN A WRITTEN AGREEMENT WITH. AMS. SUBMITTAL OR DISTRIBUTIO FLOW RATE = 0.125 gpf IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OF WALL MOUNT TYPE MOUNT AS SPECIFIED IN FLOOR PLANS. **BOBRICK MODEL** MOUNT ACCESSIBLE PRE-CHECKED SET NAME B165 18X30 OR MIRROR PER SCHEDULE 10/P2.0 36' x 40' STANDARD MODULAR BUILDING WALL MOUNT TYPE 18 GA. 304 STAINLESS STEEL SATIN (LOW SEISMIC) GRAB BARS | MOEN MODEL FINISH MOUNT AS SPECIFIED IN FLOOR **₹** 8736 & 8748 PLANS AND PER SCHEDULE 10/P2.0. | (1 1/4" CONCEALED SCREW (STRUCTURAL STRENGTH OF GRAB BARS 36"& 48") OR EQUAL **GRAB BARS** WATER HEATER RHEEM ELECTRIC WATER AVAILABLE IN 6, 10, 20 AND 30 **GALLON MODELS** SITE SPECIFIC PROJECT NAME MODEL PROE20-1-RH-POU (MAX WATER HEATER WEIGHT) 240 VOLT SINGLE PHASE TRACY USD PER 6/M1.4 OR 1/P2.0 INSTANT-TEMP CHRONOMITE POET-CHRISTIAN ES CHRONOMITE MODEL M20L/208 OR WATER HEATER INSTANT-TEMP WATER EQUAL SEE DETAIL 7/P2.0 HEATER (2) 36' x 40' BULIDINGS MODEL M20L/240 INSTAN SINGLE PHASE 104° CUSTODIAN SINK | FLORESTONE FLOOR SINK OR EQUAL MOLDED MOP RECEPTORS MODEL MSR-2424 W/ 3" DRAIN OR EQUAL UTILITY SINK WALL MOUNT TYPE CAITLIN CBK110CP FLORESTONE FM OR EQUAL OR EQUAL WOOD FLOOR DRAIN LOCATE AS SPECIFIED ON FLOOR PLANS. FLOOR DRAIN | SIOUIX CHIEF MODEL PROVIDE GRATE WITH MAX 1/2" OPENINGS MODEL 822-2DNRV OR MEASURED IN BOTH DIRECTIONS LOCATE AS SPECIFIED ON FLOOR PLANS. CONCRETE FLOOR DRAIN FLOOR DRAIN ZURN MODEL P415-CC W/ (FLOOR DRAIN TO BE USED ON CONCRETE ONLY.) PROVIDE GRATE WITH MAX 1/2" STANDARD GRATE ZURN MANUFACTURER PROFESSIONAL ( OPENINGS, MEASURED IN BOTH DIRECTIONS 33160-002 OR EQUAL FAUCET - ZURN |CLASSROOM SINK | MODEL D12521 MODEL Z2871-B4-XL W/WRIST BLADES. LOCATE AS SPECIFIED ON FLOOR PLANS. 25"x21-1/4" SINGLE BOWL MOUNT ACCESSIBLE FIXTURES SINK OR EQUAL PER SCHEDULE 10/P2.0 DRINKING ELKAY FOUNTAIN MODEL EDFP217C WALL MOUNT WATER FOUNTAIN LOCATE AS SPECIFIED ON FLOOR PLANS. HOSE BIBB STANDARD HOSE BIBB ARROWHEAD MODEL 353LKLF OR EQUAL ALL WATER FIXTURES MUST MEET REQUIREMENTS OF CAL-GREEN TITLE 24, PART 11, SECTION 5.303.3 "WATER CONSERVING PLUMBING FIXTURES & FITTINGS". FOR OPTIONAL ACCESSIBLE FLOOR-MOUNT WATER CLOSET, SEE PLUMBING SCHEDULE MARK WC/3 (NOT SHOWN ON PLAN). 3. NOT ALL ITEMS LISTED MAY OCCUR IN THIS PROJECT. 4. THERE SHOULD BE NO SHARP OR ABRASIVE SURFACES UNDER LAVS OR SINKS. 5. REFER TO DETAIL 10/P2.0 FOR SCHEDULE OF ACCESSIBLE HEIGHTS AT FIXTURES. 1 NOT USED BOYS, GIRLS & STAFF R.R. PLAN

AGE RANGE: 13-ADULT

SCALE: 1/4" = 1'-0" PLUMBING FIXTURE SCHEDULE PLUMBING NOTE MODULAR MFR. TO STUB THROUGH FLOOR ALL PLUMBING LINES. BUILDING

SCALE: 1/4" = 1'-0" 8

MARK | FIXTURE<sup>1</sup>

WATER CLOSET

BOYS/GIRLS

LAVATORY

(AGES 3-4)

CANNOT USE

w/BEMIS 1955SSCT OR EQUAL

w/BEMIS 1955SSCT TOILET SEAT

TOILET SET

FLUSH VALVE | MODEL K-96064 OR EQUAL.

OR EQUAL

'KINGSTON'

MODEL K-2007-0

FLOOR MOUNT KOHLER 'PRIMARY'

AMERICAN STANDARD 4019 828 AMERICAN STANDARD 4019 828

SCALE: 1/4" = 1'-0" 7 CLASSROOM SINK PLAN

SCALE: 1/4" = 1'-0" 6 SINGLE TOILET PLAN SIDE WALL APPROACH - AGE RANGE: 13-ADULT

SINGLE TOILET PLAN FRONT WALL APPROACH - AGE RANGE: 13-ADULT

 $\rightarrow$  = PLUMBING FIXTURE I.D. - SEE SCHEDULE ABOVE

SYMBOLS LEGEND

YPE AT KINDERGARTEN | TYPE AT ELEMENTARY | TYPE AT MIDDLE SCHOOL

(AGES 9-12)

OR EQUAL. LOWEST AT 15"

SEAT OR EQUAL

KOHLER 'WELLWORTH'

(AGES 5-8)

CANNOT USE

W/2L2050T-SEAT (2"THICK)

#4019.228 LEFT TANK

#4019.828 RIGHT TANK KOHLER 'PRIMARY' MODEL

K-96064 OR EQUAL w/2L205T

(2" THICK) TOILET SEAT OR

#3128.001 FOR BOWL

TYPE AT HIGH SCHOOL

(AGES 13-ADULT)

<del>(OHLER 'K</del>INGSTON' MODEL K-4325 | KOHLER 'KINGSTON' MO<u>DEL K-432</u>5 | FLUSH VALVE ZURN MODEL

OR EQUAL TOILET SEAT

FLOOR MOUNT FLUSH VALVE FLOOR MOUNT FLUSH VALVE TYPE FLUSH VALVE ZURN MODEL

MODEL K-96053 OR EQUAL W/BEMIS | MODEL K-96057 OR EQUAL W/BEMIS | LOCATE AS SPECIFIED ON FLOOR PLANS.

955SSCT OR EQUAL TOILET SEAT 1955SSCT OR EQUAL TOILET SEAT MOUNT ACCESSIBLE FIXTURES PER

HIGHEST AT 17" A.F.F. TO TOP OF 19" HIGHEST TO TOP OF SEAT

SEAT W/BEMIS 1955SSCT\_TOILET W/BEMIS\_1955SSCT\_TOILET SEAT

1955SSCT OR EQUAL TOILET SEAT OR EQUAL w/BEMIS 1955SSCT

TYPE KOHLER 'WELLCOMME ULTRA' KOHLER 'HIGHCLIFF ULTRA'

MODEL K-3998 OR EQUALW/BEMIS MODEL K-3999

REMARKS

SCHEDULE 10/P2.0.

PER SCHEDULE 10/P2.0

SCHEDULE 10/P2.0.

LOCATE AS SPECIFIED ON FLOOR PLANS.

WC/2 FIXTURE MAX FLOW RATE OF 1.28

PLANS. MOUNT ACCESSIBLE FIXTURES

Z6000AV-HET - 1.28 G.P.F OR EQUAL.

BOY/GIRL RESTROOM - ZURN

G.P.F - LOCATE AS SPECIFIED ON FLOOR

MODEL Z86100-XL-3M - COLD WATER ONLY -

SINGLE SPOUT MOUNT AS SPECIFIED IN

MOUNT ACCESSIBLE FIXTURES PER

OR EQUAL. LOWEST AT 17" A.F.F. Z6000AV-HET - 1.28 G.P.F OR EQUAL.

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 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 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 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).

a. WATER: COPPER TYPE "L", 95/5 SOLDER. b. WASTE DRAIN AND VENT: ABS.

COORDINATED BY THE MANUFACTURER.

MAY OCCUR IN ANY PART OF A BUILDING.

OR S9.1 FOR ATTACHMENTS.

10. REFER TO SHEET M1.0 FOR TYPICAL BRACING AND ANCHORAGE NOTES.

PERIMETER POC'S SHOWN ARE FOR COORDINATION PURPOSES ONLY. ALL

DIMENSIONS ARE TO FACE OF FINISH (F.O.F.) UNLESS NOTED OTHERWISE (i.e.

RESTROOM MODULE OCCURS ONLY AT END OF BUILDING. SINGLE RESTROOMS

RESTROOM CONFIGURATION MAY VARY PER BUILDING CONFIGURATION.

5. INTERIOR WALLS MAY OCCUR THROUGHOUT BUILDING. REFER TO SHEET S8.1

8. SEWER AND WATER STUB OUTS SHALL BE LOCATED WITHIN THE ALLOWABLE

ACCESSIBLE FOR FUTURE RELOCATION. STUB OUT HEIGHT SHALL BE

AREA AS SHOWN ON FLOOR PLAN AND CONNECTIONS SHALL BE EASILY

REFER TO DETAILS 1, 3, 4 & 5, SHEET A7.1 FOR TOILET PARTITION ANCHORAGE

4. RESTROOM MODULE CANNOT STAND ALONE AND SHALL BE ASSEMBLED

6. REFER TO SCHEDULE 10/P2.0 FOR ACCESSIBLE HEIGHTS AT TOILETS.

TOGETHER WITH AT LEAST ONE OTHER 12'x40' MODULE.

UNDER-FLOOR CONNECTIONS ARE BY SITE CONTRACTOR, U.O.N.

F.O.C., &)

BLOCKING.

9. PIPING MATERIAL

**GENERAL NOTES** 

I LLAUL NEUTULE U

POET CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE. **TRACY, CA 95376** 

PROJECT: POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME: RESTROOM OPTIONS PLUMBING PLAN & FIXTURE **SCHEDULE** 

DATE: 04/03/24 CLIENT PROJ NO: 359500100

DATE



**HMC Architects** 

3595001000

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

DESCRIPTION

A ADDENDUM "A"

**KEYNOTES** 

**GENERAL NOTES** 

**TRACY, CA 95376** 

POET CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE.

POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:

**TITLE SHEET** 

DATE: 04/03/24 CLIENT PROJ NO: 3595001000

ADDENDUM "A'

**American Modular Systems** 

24' x 40' THRU 120' x 40'



STANDARD BUILDING (LOW SEISMIC) APPLICABLE CODES **BUILDING DATA** EOR B (CLASSROOM USE FOR COLLEGE) OCCUPANCY PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2023 V-B (CATEGORY I & II) 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC) - PART 1. TITLE 24. CCR) TYPE OF CONSTRUCTION 2022 CALIFORNIA BUILDING CODE (CBC), VOLUME 1 & 2 - (PART 2, TITLE 24 CCR) BASED ON THE 2021 INTERNATIONAL BUILDING CODE V = 99 MPH BASIC WIND SPEED RISK CATEGORY EXPOSURE = C ASCE 7-16 SECTION28.5.3 INTERNAL PRESSURE COEFF., GC<sub>P,I</sub> = ±0.18 2022 CALIFORNIA ELECTRICAL CODE (CEC) - (PART 3, TITLE 24, CCR) BASED ON THE 2020 NATIONAL ELECTRIC CODE SIMPLIFIED PROCEDURE WITH 2022 CALIFORNIA AMENDMENTS ROOF ANGLE = 1.2 DEGREES 2022 CALIFORNIA MECHANICAL CODE (CMC) - (PART 4, TITLE 24, CCR) BASED ON THE 2021 IAPMO UNIFORM MECHANICAL CODE NOT CONSIDERED (SEE GENERAL NOTE #15 THIS SHEET) WITH 2022 CALIFORNIA AMENDMENTS NOT CONSIDERED (SEE GENERAL NOTE #14 THIS SHEET) SNOW LOAD 2022 CALIFORNIA PLUMBING CODE (CPC) - (PART 5, TITLE 24, CCR) BASED ON THE 2021 IAPMO UNIFORM PLUMBING CODE WITH 2022 CALIFORNIA AMENDMENTS ROOF LIVE LOAD (MAX PSF) 20 (REDUCIBLE) 2022 CALIFORNIA ENERGY CODE (CEC) - (PART 6, TITLE 24, CCR) 2022 CALIFORNIA FIRE CODE (CFC) - (PART 9, TITLE 24, CCR) BASED ON THE 2021 INTERNATIONAL FIRE CODE FLOOR LIVE LOAD (PSF) □ 100 150 (NON-STORAGE) WITH 2022 CALIFORNIA AMENDMENTS 2022 CALIFORNIA GREEN BUILDING CODE (CGC) - (PART 11, TITLE 24, CCR) DESIGN DEAD LOADS (MAX PSF) 21.0 RF - 12.0 WD FLR - 48.0 CONC. FLR - 18.0 EXT WALLS 2022 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR) FIRE SPRINKLER SYSTEM DESIGN WT .5 PSF INCLUDED IN ROOF DESIGN DEAD LOADS ABOVE (SEE GENERAL NOTES #5 - #7 THIS SHEET) PARTIAL LIST OF APPLICABLE STANDARDS **AUTOMATIC SPRINKLER SYSTEM** 2022 EDITION ROOF SOLAR PANEL SYSTEM DESIGN WT 3.0 PSF INCLUDED IN ROOF DESIGN DEAD LOADS ABOVE (SEE GENERAL NOTE #9 THIS SHEET) STANDPIPE AND HOSE SYSTEMS 2019 EDITION 1500 (1/3 INCREASE IN SOIL BEARING CAPACITY NOT PERMITTED FOR WIND & SEISMIC LOAD NFPA 17 DRY CHEMICAL EXTINGUISHING SYSTEMS 2021 EDITION ALLOWABLE SOIL PRESSURE (PSF) COMBINATIONS UNLESS USING ALTERNATE BASIC LOAD COMBINATIONS PER CBC 1605A.3.2) WET CHEMICAL EXTINGUISHING SYSTEMS NFPA 17A 2021 EDITION NFPA 20 STATIONARY PUMPS 2019 EDITION NO (SEE GENERAL NOTE #11 THIS SHEET FLOOD HAZARD AREA NFPA 24 PRIVATE FIRE MAINS 2019 EDITION RAIN INTENSITY (IN/HR) NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE (CALIFORNIA AMENDED) 2022 EDITION (NOTE: SEE UL, STANDARD 1971 FOR "VISUAL DEVICES") BUILDING AREA (SQ. FT.) 960 MIN. THRU 4800 MAX NFPA 253 2019 EDITION CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS NFPA 2001 CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CA AMMENDED) 2018 EDITION ☐ A (1,16) ☐ B (2-5) C (6-13) D (14,15) CLIMATE ZONE GROUP REQUIREMENTS) MODULES LIGHT MODULAR STEEL MOMENT-FRAMES PER CBC SECION 2212A **GENERAL NOTES** 2'x40' MODULES (2 MODULES MINIMUM) SUBSTITUTION OF PRODUCTS OR PROCESSES WHICH CHANGE THE STRUCTURAL SAFETY, FIRE & LIFE-SAFETY, OR ACCESSIBILTY OF THIS BUILDING SHALL BE SUBMITTED TO THE DSA AS AN ADDENDUM OR CONSTRUCTION CHANGE DOCUMENT. PC BUILDING APPROVED ONLY FOR OCCUPANCY "E" OR "B". PC BUILDING EXITING IS BASED ON THE USE OR OCCUPANCY AND WILL BE REVIEWED AS SITE SPECIFIC SITE-SPECIFIC OPTIONS PC BUILDINGS LOCATED IN FIRE HAZARD SEVERITY ZONES PER WILDLAND URBAN INTERFACE FIRE AREAS (WUI) SHALL CONFORM TO CBC CHAPTER 1/8" PLYWOOD SHTG AUTOMATIC SPRINKLER SYSTEMS MIGHT BE REQUIRED FOR SITE SPECIFIC PROJECTS. OPTIONAL AUTOMATIC FIRE SPRINKLER DESIGNS ARE FLOOR DECK ■ BH-36 DECK 1½"x18 GA 3WxH DECK 3"x18 GA. INCLUDED IN THIS PC APPROVAL. (NOTE: SEE BUILDING DATA THIS SHEET FOR FIRE SPRINKLER SYSTEM WEIGHT INCLUDED IN BUILDING DESIGN) ☐ LIGHT-GAUGE STEEL FIRE SERVICE UNDERGROUND SHALL BE REVIEWED AS A SITE SPECIFIC APPLICATION. WATER SUPPLY SHALL BE DESIGNED TO MEET THE PC WALL STUDS SPRINKLER DEMAND REQUIREMENTS. **EXTERIOR WALL** |X| LAP SIDING STUCCO SYNTHETIC STUCCO PROVIDE A SITE SPECIFIC FIRE FLOW LETTER OF CERTIFICATION FROM AN APPROVED WATER PURVEYOR OR LOCAL FIRE AUTHORITY THIS PC PLAN SHALL NOT BE USED TO HOUSE "ROOMS OR AREAS WITH SPECIAL HAZARDS" SUCH AS LABORATORIES, VOCATIONAL SHOPS AND INTERIOR FLOOR MOUNTED | X EXTERIOR WALL MOUNTED ☐ SPLIT SYSTEM (SEE TABLE IN M1.7A OTHER SUCH AREAS NOT CLASSIFIED AS GROUP H, LOCATED IN GROUP E OCCUPANCIES. A SEPARATE NON-PC DSA APPLICATION NUMBER (SITE SPECIFIC JOB OR STOCKPILE) IS REQUIRED FOR DESIGN & ROOF-TOP INSTALLATION OF 3" x 22 GA. STANDING SEAM BUILT-UP SOLAR PANEL SYSTEMS, ITS ANCHORAGE & SUPPORT STRUCTURE ABOVE THE ROOF FRAMING. THE PC ROOF FRAMING IS DESIGNED FOR SOLAR ROOFING (INSTALLED OVER SHEATHING) PANELS TO BE INSTALLED FLAT ON THE ROOF. (NOTE: SEE BUILDING DATA THIS SHEET FOR SOLAR PANEL SYSTEM WEIGHT & WIND LOAD INCLUDED STANDING SEAM ROOFING ROOFING IN BUILDING DESIGN FOR ROOF-TOP.) SUBMITTALS OF ROOF-TOP SOLAR SYSTEM SHALL NOT BE SUBMITTED AS AN OVER-THE-COUNTER ROOF PITCH SINGLE PITCH DUAL PITCH . 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 ☐ ½" SHEATHING - SEE SHEET S4.1 ROOF DIAPHRAGM STEEL STRAP CROSS BRACING - SEE SHEET S4.0 LIQUEFACTION HAZARD EXISTS ON THAT SITE UNLESS A SITE-SPECIFIC GEOTECHNICAL REPORT IDENTIFIES SUCH HAZARD. THIS PC BUILDING IS NOT DESIGNED FOR FLOOD HAZARD AREAS. WHEN A SITE-SPECIFIC PROJECT IS LOCATED IN A FLOOD ZONE OTHER THAN YES - LENGTH: 5'-0" ZONE X, A LETTER STAMPED AND SIGNED FROM A GEOTHECHNICAL ENGINEER IS NEEDED TO VALIDATE THAT THE ALLOWABLE SOIL VALUES FRONT OVERHANG ENCLOSED - 7'-0" MAX 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 REAR OVERHANG YES - LENGTH: 2'-0" ENCLOSED - 7'-0" MAX PER CBC SECTION 1806A.2 ARE USED. PROJECT SHALL BE EXEMPT FROM THE VALIDATION LETTER FOR PROJECTS LOCATED IN ZONE D (UNDEFINED IF THE APPLICANT PROVIDES EVIDENCE FROM THE LOCAL JURISDICTION OR A QUALIFIED DESIGN PROFESSIONAL CONFIRMING THAT THE SITE IS SOLATUBE ON ROOF X NO NOT IN A FLOOD HAZARD ZONE. LOCATION OF ELECTRICAL ELEMENTS SHALL CONFORM TO THE AMERICAN SOCIETY OF CIVIL ENGINEERS. THE PLACEMENT OF THE PC BUILDING(S) ON OR ADJACENT TO SLOPES SHALL COMPLY WITH THE 'FOUNDATION CLEARANCES FROM SLOPES' YES (SEE GENERAL NOTES #5 - #7 THIS SHEET) SPECIFICATIONS FOUND ON SHEET N2.0 OF THESE DRAWINGS. FIRE SPRINKLERS 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

(REFER TO EN.1 FOR ROOF MOUNTED YES (SEE GENERAL NOTE #9 THIS SHEET) SOLAR PANELS OPTIONAL SIDE WALL YES (SEE SHEET S5.4A) YES (SEE GENERAL NOTE #10 THIS SHEET) MAPPED GEOHAZARD NO YES (AS DEFINED BY PC-6 SECTION 1.8) ZONE MODULAR BUILDINGS PROVIDED THAT THEY DO NOT EXCEED 4,000 SQUARE FEET IN PLAN AREA AND ARE NOT LOCATED WITHIN STATE OR LOCAL THE VALUE OF C<sub>S</sub> AND E<sub>V</sub> ARE PERMITTED TO BE CALCULATED USING A VALUE OF S<sub>DS</sub> EQUAL TO 1.0, BUT NOT LESS THAN 70% OF S<sub>DS</sub> AS DEFINED IN GEOHAZARD REPORT AND PROCESS EQUIPMENT BEFORE PROJECT COMPLETION PER THE CALIFORNIA ENERGY CODE SECTION 10-103. ACCEPTANCE TESTS MUST BE IF YES GEOTECHNICAL FIRM: DEFICIENCIES CORRECTED UNTIL THE INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA. ☐ YES REQUIRED IF BUILDING AREA > 4,000 SF REPORT IF YES GEOTECHNICAL FIRM: DEEPER FOOTINGS REQUIRED? YES - REQUIRED DEPTH: WIDER FOOTINGS REQUIRED? YES - REQUIRED WIDTH: DEFAULT CONCRETE MIX DESIGN FOR BELOW GRADE CONCRETE PER SHEET N1.0A. BELOW GRADE **CONCRETE MIX** OPTIONAL SITE-SPECIFIC CONCRETE MIX DESIGN FOR BELOW GRADE CONCRETE PER SHEET N1.0A.

☐ THIS SHEET CONTAINS DESIGN OPTION BOXES AVAILABLE FOR SELECTION BASED ON SITE SPECIFIC REQUIREMENTS.

SEE SHEET TS2 FOR SHEET INDEX

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2022 CBC PRE-CHECK (PC) DOCUMENT MANUFACTURER PROFESSIONAL OF RECORD ON PC THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD. DRAWN BY: AA

AS NOTED

MM/DD/YY

XXXX-22

TITLE SHEET

PROJECT NO:

SHEET TITLE:

SHEET NUMBER:

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(LOW SEISMIC)

APPROVED.

DIV. OF THE STATE ARCHITEC

SS 🗹 🗹 S 🗹 ACS 🖳 CG 🗹

APP: 04-122050 PC

SECTION 11.4.5, PROVIDED THAT ALL OF THE FOLLOWING CRITERIA ARE MET: STRUCTURE DOES NOT HAVE IRREGULARITIES; STRUCTURE DOES NOT EXCEED FIVE (5) STORIES ABOVE THE LOWER OF THE BASE OR GRADE PLANE; . STRUCTURE HAS A FUNDAMENTAL PERIOD, T, THAT DOES NOT EXCEED 0.5 SECONDS;

 $C_S = 0.444$  W (DESIGN)

4. STRUCTURE MEETS REQUIREMENTS FOR REDUNDANCY FACTOR,  $\rho$ , TO BE TAKEN AS 1.0; 5. SITE SOIL PROPERTIES ARE NOT CLASSIFIED AS SITE CLASS 'E' OR 'F' 6. STRUCTURE IS CLASSIFIED AS RISK CATEGORY  $_{
m II}$ .

SITE SPECIFIC S<sub>DS</sub> =

SITE SPECIFIC S<sub>D1</sub> =

7. WHEN SITE SPECIFIC GROUND MOTION PROCEDURE IS REQUIRED PER 11.4.8, SITE-SPECIFIC PROJECTS ARE NOT ALLOWED FOR OTC SUBMITTAL

 $S_{DS} = S_{D1} = 1.55 \text{ MAX}$ 

PV SYSTEM REQUIREMENT TABLE

**REQUIRED PV SYSTEM SIZE (kW)** 

	BUILDING SIZE								
CLIMATE ZONE	24'x40'	36'x40'	48'x40'	60'x40'	72'x40'	84'x40'	96'x40'	108'x40'	120'x40'
	APPROXIMATE CONDITIONED FLOOR AREA								
	960	1440	1920	2400	2880	3360	3840	4320	4800
1 & 16	NONE	NONE	NONE	NONE	NONE	3.9	0.2	NONE	NONE
2-5	NONE	NONE	NONE	NONE	NONE	1.0	NONE	NONE	NONE
<b>⊠</b> 6 - 13	NONE	NONE	NONE	NONE	3.2	NONE	NONE	NONE	NONE
14	NONE	NONE	1.5	3.4	3.6	2.1	3.6	1.5	4.6

NOTE: FOR SITE-SPECIFIC PROJECT. INDICATE BUILDING SIZE AND PV SYSTEM SIZE. IF PV REQUIRED. SEE NOTE #9 UNDER GENERAL NOTES

NONE NONE 2.2 5.2 5.4 3.2 5.4 2.2 7.0

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SUBMITTAL AND APPROVAL OF A GEOHAZARD REPORT BY THE CALIFORNIA GEOLOGICAL SURVEY (CGS) IS NOT REQUIRED FOR SINGLE-STORY

PERFORMED BY A CERTIFIED ACCEPTANCE TEST TECHNICIAN (ATT). THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND

EXPOSED TO A NOISE LEVEL OF 65 dB L<sub>ea</sub>-1-hr DURING ANY HOUR OF OPERATION WHEN NOISE

COMPLETED NRCA FORMS SHALL BE SUBMITTED TO THE PROJECT INSPECTOR AND THE DISTRICT.

19.3. WHERE EXPOSED TO NOISE LEVELS OF 65 DB-LEQ-1-HOUR DURING ANY HOUR OF OPERATION.

THIS PC WILL NOT BE PLACED ON ANY CAMPUS IN AND OF THE FOLLOWING LOCATIONS:

4. THIS PC BUILDING IS NOT DESIGNED FOR SNOW LOADS. 5. THIS PC BUILDING IS NOT DESIGNED FOR ICE LOADS.

19.1. WITHIN THE 65 CNEL NOISE CONTOUR OF AN AIRPORT.

GEOLOGICAL HAZARD ZONES IN ACCORDANCE WITH IR A-4, SECTION 3.2.1.

CONTOURS ARE NOT READILY AVAILABLE, AS SPECIFIED IN CALGREEN CODE, SECTION 5.507.4.1 & 5.507.4.1.1.

. BUILDING SHALL BE MANUFACTURED IN COMPLIANCE WITH CFC CHAPTER 33 FOR FIRE SAFETY DURING CONSTRUCTION.

19.2. WITHIN THE 65 CNEL OR LDN NOISE CONTOUR OF A FREEWAY, EXPRESSWAY, RAILROAD OR INDUSTRIAL SOURCE GUIDEWAY.

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**ARCHITECTURAL** 

TITLE SHEET

SHEET INDEX

FORM DSA-103

FORM DSA-103

GENERAL NOTES & SPECIFICATIONS

GENERAL NOTES & SPECIFICATIONS

ACCESSIBILITY STANDARDS AND DETAILS

MULTIPLE FLOOR PLAN CONFIGURATIONS

MULTIPLE FLOOR PLAN CONFIGURATIONS

EN.2-EN.3 ENERGY CALCULATIONS - 24'x40' BUILDING - GROUP A

EN.4-EN.5 ENERGY CALCULATIONS - 24'x40' BUILDING - GROUP B

EN.8-EN.9 ENERGY CALCULATIONS - 24'x40' BUILDING - GROUP D

EN.10-EN.11 ENERGY CALCULATIONS - 36'x40' BUILDING - GROUP A

EN.12-EN.13 ENERGY CALCULATIONS - 36'x40' BUILDING - GROUP B

EN.16-EN.17 ENERGY CALCULATIONS - 36'x40' BUILDING - GROUP D

EN.18-EN.19 ENERGY CALCULATIONS - 48'x40' BUILDING - GROUP A

EN.20-EN.21 ENERGY CALCULATIONS - 48'x40' BUILDING - GROUP B

EN.22-EN.23 ENERGY CALCULATIONS - 48'x40' BUILDING - GROUP C

EN.24-EN.25 ENERGY CALCULATIONS - 48'x40' BUILDING - GROUP D

EN.26-EN.27 ENERGY CALCULATIONS - 60'x40' BUILDING - GROUP A EN.28-EN.29 ENERGY CALCULATIONS - 60'x40' BUILDING - GROUP B

EN.30-EN.31 ENERGY CALCULATIONS - 60'x40' BUILDING - GROUP C

EN.32-EN.33 ENERGY CALCULATIONS - 60'x40' BUILDING - GROUP D

EN.34-EN.35 ENERGY CALCULATIONS - 72'x40' BUILDING - GROUP A

EN.36-EN.37 ENERGY CALCULATIONS - 72'x40' BUILDING - GROUP B

EN.38-EN.39 ENERGY CALCULATIONS - 72'x40' BUILDING - GROUP C

EN.40-EN.41 ENERGY CALCULATIONS - 72'x40' BUILDING - GROUP D

EN.42-EN.43 ENERGY CALCULATIONS - 84'x40' BUILDING - GROUP A

EN.44-EN.45 ENERGY CALCULATIONS - 84'x40' BUILDING - GROUP B

EN.46-EN.47 ENERGY CALCULATIONS - 84'x40' BUILDING - GROUP C

EN.48-EN.49 ENERGY CALCULATIONS - 84'x40' BUILDING - GROUP D

EN.50-EN.51 ENERGY CALCULATIONS - 96'x40' BUILDING - GROUP A EN.52-EN.53 ENERGY CALCULATIONS - 96'x40' BUILDING - GROUP B

EN.54-EN.55 ENERGY CALCULATIONS - 96'x40' BUILDING - GROUP C EN.56-EN.57 ENERGY CALCULATIONS - 96'x40' BUILDING - GROUP D EN.58-EN.59 ENERGY CALCULATIONS - 108'x40' BUILDING - GROUP A

EN.60-EN.61 ENERGY CALCULATIONS - 108'x40' BUILDING - GROUP B EN.62-EN.63 ENERGY CALCULATIONS - 108'x40' BUILDING - GROUP C

EN.64-EN.65 ENERGY CALCULATIONS - 108'x40' BUILDING - GROUP D

EN.66-EN.67 ENERGY CALCULATIONS - 120'x40' BUILDING - GROUP A

EN.68-EN.69 ENERGY CALCULATIONS - 120'x40' BUILDING - GROUP B

EN.70-EN.71 ENERGY CALCULATIONS - 120'x40' BUILDING - GROUP C

EN.72-EN.73 ENERGY CALCULATIONS - 120'x40' BUILDING - GROUP D

TYPICAL FLOOR PLAN w/ SOLATUBE OPTION

RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 13-ADULT

RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 9-12

| RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 5-8

RESTROOM FLOOR PLAN OPTIONS - AGE RANGE: 3-4

TYPICAL ROOF PLAN - METAL STANDING SEAM

TYPICAL ROOF PLAN - METAL STANDING SEAM

TYPICAL ROOF DETAILS - METAL STANDING SEAM

TYPICAL ROOF PLAN - SINGLE-PLY OR BUILT-UP

TYPICAL ROOF PLAN - SINGLE-PLY OR BUILT-UP

TYPICAL ROOF DETAILS - SINGLE-PLY OR BUILT-UP ROOFING

☑ EN.74-EN.76 | ENERGY CALCULATIONS - SUPPLEMENTAL SHEETS

TYPICAL FLOOR PLAN

(WITH PARAPETS)

☑ EN.14-EN.15 ENERGY CALCULATIONS - 36'x40' BUILDING - GROUP C

▼ EN.1A-EN.1B | ENERGY CALCULATIONS - SUMMATION SHEETS

BELOW GRADE CONCRETE MIX DESIGN REQUIREMENTS

TYPICAL SCHEDULES: DOORS, WINDOWS & FINISHES

ENERGY CALCULATIONS - 24'x40' BUILDING - GROUP C

SHEET NUMBER | SHEET TITLE

🔀 TS

X TS-2

**⋈** N1.0A

**⊠** N3.0

X N4.0

N5.1

COVER SHEET

INSPECTION FORM

GENERAL NOTES

SPECIFICATIONS

**ENERGY SHEETS** 

CALCULATIONS

FLOOR PLANS

☐ A2.1

X A2.2



ARCHITECTURAL (CONTINUATION)

- STUCCO OPTION

STUCCO OPTION

- STUCCO OPTION

LAP SIDING OPTION

LAP SIDING OPTION

STRUCTURAL

SHEET TITLE

TYPICAL EXTERIOR ELEVATIONS

YPICAL EXTERIOR ELEVATIONS

YPICAL ARCHITECTURAL DETAILS

SYNTHETIC STUCCO OPTION

- SYNTHETIC STUCCO OPTION

SYNTHETIC STUCCO OPTION

STEEL MEMBER PROPERTIES

CONCRETE FOUNDATION PLAN

CONCRETE FOUNDATION PLAN

(100 PSF MAX FLOOR LIVE LOAD)

CONCRETE FOUNDATION PLAN

(150 PSF MAX FLOOR LIVE LOAD)

CONCRETE FOUNDATION DETAILS

CONCRETE FOUNDATION DETAILS

TYPICAL ARCHITECTURAL DETAILS

INTERIOR ELEVATIONS - TYPICAL CLASSROOM

INTERIOR ELEVATIONS - RESTROOM OPTIONS

INTERIOR ELEVATIONS - RESTROOM OPTIONS - ALT. TOILET

DETERIORATION DETAILS GREATER THAN 2160 SQ. FT.

DETERIORATION DETAILS GREATER THAN 2160 SQ. FT.

DETERIORATION DETAILS GREATER THAN 2160 SQ. FT.

ARCHITECTURAL EXTERIOR FINISH OPTIONS DETAILS

TYPICAL LONGITUDINAL AND TRANSVERSE FRAME SECTIONS

CONCRETE FOUNDATION PLAN (50 PSF MAX FLOOR LIVE LOAD)

MISCELLANEOUS ARCHITECTURAL DETAILS

1-HR FIRE RATED CONSTRUCTION DETAILS

(50 PSF LIVE LOAD +15 PSF PARTITION LOAD)

STANDARD ANCHORAGE FOUNDATION DETAILS

UPGRADED ANCHORAGE FOUNDATION DETAILS

w/BH-DECK OPTION (100 PSF MAX FLOOR L.L.)

w/3WxH-DECK OPTION (150 PSF MAX FLOOR L.L.)

ROOF FRAMING DETAILS - CROSS BRACING OPTION

MOMENT FRAME ELEVATIONS & DETAILS

WALL FRAMING DETAILS - WOOD STUDS

- METAL STUD OPTION

WALL FRAMING ELEVATIONS & SCHEDULES

WALL FRAMING DETAILS - METAL STUD OPTION

OPTIONAL SIDE WALL CANOPY PLAN & DETAILS

| MOMENT FRAME CONNECTION DETAILS

ROOF FRAMING DETAILS - ROOF SHEATHING OPTION

OPTIONAL PARAPET FRAMING ELEVATIONS & DETAILS

WALL FRAMING ELEVATIONS & SCHEDULES - WOOD STUDS

TYPICAL METAL STUD FRAMING DETAILS & PROPERTIES

CONCRETE FOUNDATION OPTIONAL UTILITY OPENINGS IN

FLOOR FRAMING PLAN & DETAILS FOR PLYWOOD FLOOR

LOOR FRAMING PLAN & DETAILS FOR CONCRETE FLOOR

LOOR FRAMING PLAN & DETAILS FOR CONCRETE FLOOR

ROOF FRAMING PLAN & DETAILS - CROSS BRACING OPTION

ROOF FRAMING PLAN & DETAILS - ROOF SHEATHING OPTION

SHEET NUMBER | SHEET TITLE

**★** A4.1

☐ A5.2

☐ A5.3

**⊠** A5.4

**⊠** A7.1

**★** A7.3

\_\_\_ A8.0

SHEET NUMBER

☐ S1.2

☐ S1.3

**⊠** S1.4

**⊠** S1.5

**⊠** S1.6A

**⊠** S1.6B

X S1.7

**X** S3.0

S3.1

☐ S3.3

**X** S4.0

X S4.2

S4.3

☐ S5.4A

**X** S8.0

**⊠** S8.1

S9.0

LAP SIDING | 🔀 A5.5

**OPTIONS** 

INTERIOR ELEVATIONS

STUCCO

STUCCO

MISCELLANEOUS DETAILS

STEEL MEMBER

ROOF FRAMING PLANS

& DETAILS

**ELEVATIONS & DETAILS** 

FRAMING

24' x 40' THRU 120' x 40' STANDARD BUILDING (LOW SEISMIC)

SHEET INDEX

OPTIONS

FLOOR PLANS

DETAILS

MISCELLANEOUS

OPTIONS

FLOOR PLANS & DETAILS

**MECHANICAL** 

TYPICAL REFLECTED CEILING PLAN

TYPICAL MECHANICAL PLAN OPTIONS

TYPICAL MECHANICAL PLAN OPTIONS

TYPICAL MECHANICAL PLAN OPTIONS

MECHANICAL & CEILING DETAILS

MECHANICAL & CEILING DETAILS

MECHANICAL & CEILING DETAILS

MECHANICAL & CEILING DETAILS

CEILING NOTES & SPECIFICATIONS

MECHANICAL NOTES & SCHEDULES

RESTROOM OPTIONS ELECTRICAL PLANS

MECHANICAL ROOF DETAILS

MECHANICAL ROOF DETAILS

TYPICAL ELECTRICAL PLAN

ELECTRICAL NOTES & DETAILS

**ELECTRICAL** 

RESTROOM REFLECTED CEILING PLANS & OPTIONS

SHEET NUMBER SHEET TITLE

**⋈** M1.0

**⋈** M1.1A

☐ M1.1B

☐ M1.1C

**⋈** M1.6

**⊠** M1.7

**X** M1.7A

SHEET NUMBER

☐ E1.1

**⊠** E1.2



OPTIONS

FLOOR PLAN & DETAILS

OPTIONS

FLOOR PLAN & DETAILS

787 Spreckels Ave., Manteca, CA 95336 Phone (209) 825-1921 Fax (209) 825-7018 www.americanmodular.com

RESTROOM OPTIONS, PLUMBING PLAN, & FIXTURE SCHEDULE

PLUMBING DETAILS & ACCESSIBLE DETAILS

OPTIONAL FIRE SPRINKLER TYPICAL PLANS

OPTIONAL FIRE SPRINKLER TYP. NOTES & DETAILS

PLUMBING ISOMETRIC DRAWINGS

**PLUMBING** 

FIRE SPRINKLERS

SHEET NUMBER SHEET TITLE

**⊠** P2.0

**⊠** P3.0

SHEET NUMBER

☐ FS-1

☐ FS-2

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RE-CHECKED SET NAME 24' x 40' THRU 120' x 40' STANDARD MODULAR BUILDING (LOW SEISMIC)

SITE SPECIFIC PROJECT NAME

APPROVED DIV. OF THE STATE ARCHITEC APP: 04-122050 PC SS D FLS D ACS Q CG D

2022 CBC PRE-CHECK (PC) DOCUMENT MANUFACTURER PROFESSIONAL OF RECORD ON PC

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

DRAWN BY: AA AS NOTED MM/DD/YY PROJECT NO: XXXX-22 SHEET TITLE:

SHEET INDEX

SHEET NUMBER:

**AGENCY** APPROVAL:

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITE APP: 02-122977 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

DATE

3/20/25

**HMC** Architects

3595001000

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

**DESCRIPTION** 

A ADDENDUM "A"

**KEYNOTES** 

**GENERAL NOTES** 

POET CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE.

PROJECT:

**TRACY, CA 95376** 

POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME: SHEET INDEX

DATE: 04/03/24

CLIENT PROJ NO: 3595001000

TOTAL OF 52 SHEETS

PLEASE RECYCLE 🖧

2101 CAPITOL AVENUE, SUITE 100 SACRAMENTO, CA 95816

**DESCRIPTION** 

A ADDENDUM "A"

3/20/25

DATE

**KEYNOTES** 

2022 CBC PRE-CHECK (PC) DOCUMENT

AA

AS NOTED MM/DD/YY PROJECT NO: XXXX-22 SHEET TITLE:

FORM DSA-103

SHEET NUMBER:

916 368 7990 / www.hmcarchitects.com

**GENERAL NOTES** 

MANUFACTURER PROFESSIONAL OF RECORD ON PC

APPROVED

IV. OF THE STATE ARCHITEC

SS V FLS V ACS X CG V

APP: 04-122050 PC

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24' x 40' THRU 120' x 40'

STANDARD MODULAR BUILDING

(LOW SEISMIC)

PRE-CHECKED SET NAME

SITE SPECIFIC PROJECT NAME

HTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HE

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DRAWN BY:

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	STOCKPILE	CONSTRUCTION OF PERMANENT MODULAR OR RELOCATABLE BUILDING	RELOCATION OF CERTIFIED RELOCATABLE BUILDING
INSPECTOR CLASS (minimum requirements)	RBIP or Class 1	In Plant: RBIP or Class 1 Site: Class 4 for Single Story Site: Class 2 for Two-Story	Class 4 for Single Story Class 2 for Two-Story
Selection of the Project Inspector and Testing/Special Inspection Agency	by the Owner (not manufacturer) and approved by DSA, A/E of Record and Structural Engineer	by the School District and approved by DSA and A/E responsible for in-plant construction observation.	by the Owner (not manufacturer) and approved by DSA, A/E of Record and Structural Engineer
Cost of the Project Inspector (CAC, Section 4-333(b)) and Testing/Special Inspection Agency (CAC, Section 4-335(b))	by the Owner (not manufacturer)	by the School District	

NOTES: NOTE 1: REINFORCING STEEL TESTS MAY BE WAIVED FOR ONE-STORY BUILDINGS, PER CBC, SECTION 1910A.2 (1909.2.4\*). NOTE 2: REQUIRED ONLY WHERE THE DETAILS OF THE PC SPECIFY THE USE OF THIS TYPE OF ANCHOR.

NOTE 3: REQUIRED ONLY WHERE THE DETAILS OF THE PC SPECIFY THIS WELDING. NOTE 4: THESE TESTS AND INSPECTIONS ARE APPLICABLE ONLY WHEN A GEOTECHNICAL REPORT IS REQUIRED. NOTE 5: WOOD FOUNDATIONS ARE NOT PERMITTED FOR PERMANENT MODULAR BUILDINGS PER CBC SECTION 1807A.1.4.

\*INDICATES ALTERNATIVE CBC SECTIONS THAT COMMUNITY COLLEGES MAY USE PER CBC SECTION 1.9.2.2.

# HOLLO-BOLT MANUFACTURER'S INSPECTION PROCEDURES

### PERIODIC SPECIAL INSPECTION REQUIREMENTS

TO VERIFY CORRECT INSTALLATION INCLUDING USE IN SEISMIC OR WIND LOADING APPLICATIONS IN ACCORDANCE WITH THE 2022 CALIFORNIA BUILDING CODE SECTIONS 1705A.1, 1705A.2, AND 1704A.3 PLEASE REFER TO THE FOLLOWING INSTRUCTIONS.

- A. INSPECTION PRIOR TO INSTALLATION 1. ENSURE THAT THERE ARE NO GAPS BETWEEN THE CONNECTING STEELWORK.
- 2. ENSURE THAT THE HOLES ARE ALIGNED AND THAT THE HOLES HAVE THE CORRECT DIAMETER AND SPACING FOR THE CHOSEN
- 3. THE HOLES MUST BE STANDARD DIAMETER HOLES CONFORMING TO AISC 360 WHERE THE HOLE DIAMETER MUST BE NO GREATER THAN THE SLEEVE OUTER DIAMETER +1/16". 4. BURRS IN THE HOLES MUST BE REMOVED BEFORE INSERTION OF THE HOLLO-BOLT.
- B. INSPECTION DURING INSTALLATION
- ENSURE THAT THE HOLLO-BOLTS ARE INSTALLED AS PER LINDAPTER'S INSTALLATION INSTRUCTION SHEET ENSURE THAT THE TORQUE WRENCH(S) HAS A CURRENT VALID CALIBRATION CERTIFICATE AND IS CALIBRATED ON REGULAR BASIS.
- 3. IF USING AIR POWERED WRENCHES TO TIGHTEN THE HOLLO-BOLT, CHECK THAT THE WRENCH IS SET CORRECTLY TO AVOID OVERTIGHTING. THE FINAL TORQUE MUST BE CHECKED WITH A CALIBRATED TORQUE WRENCH.
- 4. IF AFTER TIGHTENING THERE IS A GAP EVIDENT BETWEEN THE HOLLO-BOLT AND THE CONTACT SURFACE OF THE CONNECTING ELEMENT THIS MAY INDICATE INCORRECT INSTALLATION. REMOVE AND DISCARD THE HOLLO-BOLT, REALIGN THE CONNECTING STEELWORK AND INSTALL A NEW HOLLO-BOLT AS PER
- 5. IF AFTER TIGHTENING THE BOLT HEAD CONTINUES TO TURN THIS MAY BE AN INDICATION OF OVER TIGHTENING, OR IF USING A STAINLESS STEEL HOLLO-BOLT THIS MAY BE DUE TO GALLING\*, REMOVE AND DISCARD THE HOLLO-BOLT AND INSTALL A NEW HOLLO-BOLT AS PER LINDAPTER'S INSTALLATION INSTRUCTION SHEET.
- \* 'GALLING' IS A TERM USED WHEN TWO SURFACES SEIZE UP AS A RESULT OF COLD WELDING AND IS COMMON WHEN TIGHTENING STAINLESS STEEL BOLTS.
- C. INSPECTION AFTER INSTALLATION
- ENSURE THAT THERE ARE NO GAPS BETWEEN THE CONNECTING STEELWORK.
- 2. ENSURE THAT THERE ARE NO GAPS BETWEEN THE HOLLO-BOLT AND THE CONTACT SURFACE OF THE CONNECTING ELEMENT. 3. CHECK THE TIGHTENING TORQUE OF BETWEEN 5-10% OF THE INSTALLED HOLLO-BOLTS CHOSEN AT RANDOM USING A CALIBRATED TORQUE WRENCH.

# **FOOTNOTES**

- 1. WAIVER OF CONTINUOUS BATCH PLANT INSPECTION (PER CBC 1705A3.3.1 AND DSA IR 17-13)
- A. CONTINUOUS BATCH PLANT INSPECTION MAY BE WAIVED IF THE CONCRETE PLANT COMPLIES FULLY WITH ASTM C94, SECTION 9 AND 10, AND HAS A CURRENT CERTIFICATION FROM THE "NATIONAL READY MIXED CONCRETE ASSOCIATION" OR ANOTHER AGENCY ACCEPTABLE TO THE ENFORCEMENT AGENCY. THE CERTIFICATION SHALL INDICATE THAT THE PLANT HAS AUTOMATIC BATCHING AND RECORDING CAPABILITIES.
- B. IF THE BATCH PLANT INSPECTION IS WAIVED, THE FOLLOWING REQUIREMENTS a) THRU c) SHALL BE MET: a) AN APPROVED AGENCY OR CERTIFIED TECHNICIAN OF THE TESTING LABORATORY SHALL CHECK THE FIRST BATCH AT START OF WORK DAY TO VERIFY MATERIALS
  - AND PROPORTIONS CONFORM TO THE APPROVED MIX DESIGN.
- b) THE LICENSED WEIGHMASTER SHALL POSITIVELY IDENTIFY QUANTITY OF MATERIALS AND CERTIFY EACH LOAD BY A BATCH TICKET. c) BATCH TICKETS, INCLUDING MATERIAL QUANTITIES AND WEIGHTS, SHALL BE TRANSMITTED TO THE INSPECTOR OF RECORD PRIOR TO CONCRETE PLACEMENT.
- 2. ELIMINATION OF CONTINUOUS BATCH PLANT INSPECTION (PER CBC 1705A3.3.2): A. BATCH PLANT INSPECTION IS NOT REQUIRED FOR ANY OF THE FOLLOWING CONDITIONS:
  - a) SITE FLATWORK,

WILL BE CROSSED OUT WHEN SITE-SPECIFIC DSA-103 FORMS ARE PROVIDED DURING OTC REVIEW.

- b) UNENCLOSED SITE STRUCTURES, INCLUDING BUT NOT LIMITED TO LUNCH OR CAR SHELTERS, BLEACHERS, SOLAR STRUCTURES, FLAG OR LIGHT POLES, OR RETAINING WALLS, c) CONTROLLED LOW-STRENGTH MATERIAL BACKFILL, OR
- d) SINGLE STORY RELOCATABLE BUILDINGS LESS THAN 2,160 SQUARE FEET. 3. PER CBC 1910A.2, TESTING MAY BE WAIVED FOR ONE-STORY BUILDINGS IF A CERTIFIED MILL TEST REPORT IS PROVIDED.
- 4. REQUIRED ONLY WHERE DETAILS SPECIFY THE USE OF THESE ATTACHMENTS.
- NOT USED 6. THE APPENDIX TO DSA-103 SHALL BE COMPLETED BY THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE.
- 7. ULTRASONIC TESTING PER DSA IR-PC2 SECTION 10.1 SHALL BE PERFORMED ON 100% OF CJP GROOVE WELDS WHEN THE COLUMNS PER SCHEDULE ON SHEET S5.1 HAVE A THICKNESS OF 5/6," OR GREATER. MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25% OF ALL BEAM-TO-COLUMN CJP GROOVE WELDS. NONDESTRUCTIVE TESTING OF COMPLETE JOINT PENETRATION WELDS AT GRAVITY CONNECTIONS SHALL COMPLY WITH AISC 360, CHAPTER N, PER 2022 CBC 1705A.2.1. 8. EXAMPLE DSA-103 FORMS WILL BE USED AS GUIDE TO DEVELOP A SITE-SPECIFIC DSA-103 FORM FOR THE SITE-SPECIFIC PROJECT. EXAMPLE FORMS ON THE PC DRAWINGS
- 9. QUALIFIED REPRESENTATIVE OF LABORATORY OF RECORD OR APPROVED SPECIAL INSPECTOR SHALL VERIFY ALL STEEL IDENTIFICATION PER 2022 CBC 2202A.1 AND DSA IR 17-3 STRUCTURAL WELDING INSPECTION.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC Application Number DSA File Number: Increment Number: 2023-11-01 14:38:17 IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, an chorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A (2022 CBC). \*\*NOTE: Undefined section and table references found in this document are from the CBC, or California Building Code. **KEY TO COLUMNS** 1. TYPE GE (Geotechnical Engineer) – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized Continuous – Indicates that a continuous special inspection is LOR (Laboratory of Record) – Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335. Periodic – Indicates that a periodic special inspection is required PI (Project Inspector) – Indicates that the special inspection may be performed inspector when specifically approved by DSA. Test – Indicates that a test is required SI (Special Inspection) – Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector. S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSI Type Performed By Code References and Notes Test or Special Inspection a. Verify identification of all materials and: Table 1705A.2.1 Item 3a-3c. 2202A.1; AISI S100-20 Section A3.1 & • Mill certificates indicate material properties that comply A3.2, AISI S240-20 Section A3 & A5, AISI S220-20 Sections A4 & A6. \* By special inspector or qualified technician when performed off-site. • Material sizes, types and grades comply with ☑ b. Test unidentified materials ☑ c. Examine seam welds of HSS shapes approved construction documents. for trusses (1705A.2.4). a. Verify weld filler material identification markings per 1705A.2.5, Table 1705A.2.1 Items 4 & 5; AWS D1.1 and AWS D1.8 fo structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed AWS designation listed on the DSA-approved documents steel; AWS D1.4 for reinforcing steel; DSA IR 17-3. ☑ b. Verify weld filler material manufacturer's certificate of S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3) Test or Special Inspection Performed By Code References and Notes a. Inspect groove welds, multi-pass fillet welds, single pass Co fillet welds > 5/16", plug and slot welds. applicable); DSA IR 17-3. 1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and b. Inspect single-pass fillet welds ≤ 5/16", floor and roof AISC 341-16 as applicable); DSA IR 17-3. Type Performed By Code References and Notes Test or Special Inspection S/A6. NONDESTRUCTIVE TESTING Test or Special Inspection Type Performed By Code References and Notes 1 x05A.2.1, 1705A.2.5; AISC 341-16 J6.2, AISC 360-16 N5.5; AWS ☑ b. Magnetic Particle LOR 01\1, AWS D1.8; DSA IR 17-2. S/A11. Other Steel Type Performed By Code References and Notes Test or Special Inspection a. Shop Welding - Inspect welding of cold-form Periodic/Special Inspector b. Hollow bolts Verify the torque installation torque 1. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291 ¬ Shop Welding Inspection: Laboratory∦erified Report Form DSA 291, or, for independently contracting ⅓l, Special Inspection Verified Report Form <sup>2.</sup> DSA 292

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, & Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A (2022 ∠BC). \*\*NOTE: Undefined section and table references found in this document are from the CBC, or California Building Code. KEY TO COLUMNS 1. TYPE GE (Geotechnical Engineer) – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized Continuous – Indicates that a continuous special inspec LOR (Laboratory of Record) – Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335. Periodic - Indicates that a periodic special inspection is required PI (Project Inspector) – Indicates that the special inspection may be performed inspector when specifically approved by DSA. Test - Indicates that a test is required SI (Special Inspection) – Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector. S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMI Performed By Code References and Notes Test or Special Inspection a. Verify identification of all materials and: Table 1705 A.2.1 Item 3a-3c. 2202A.1; AISI S100-20 Section A3.1 & Mill certificates indicate material properties that comply Material sizes, types and grades comply with b. Test unidentified materials d. Verify and document steel fabrication per DSA-Not applicable to cold-formed steel light-frame construction, except S/A3. WELDING: Test or Special Inspection a. Verify weld filler material identification markings per Periodic 1705A.2.5, Table 1705A.2.1 Items 4 & 5; AWS D1.1 and AWS D1.8 for AWS designation listed on the DSA-approved documents structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed and the WPS. steel; AWS D1.4 for reinforcing steel; DSA IR 17-3. ☑ b. Verify weld filler material manufacturer's certificate of Periodic c. Verify WPS, welder qualifications and equipment. S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3 Test or Special Inspection Type Performed By Code References and Note:

Date Created:

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC

School Name:

Increment Number:

Application Number:

DSA File Number:

a. Inspect groove welds, multi-pass fillet welds, single pass | Continuous | Table 1705A.2.1 Items 5a.1-4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3. 1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 34 1-16 as applicable); DSA IR 17-3 deck welds. Test or Special Inspection Type / Performed By Code References and Notes S/A6. NONDESTRUCTIVE TESTING Test or Special Inspection Performed By Code References and Notes LOR 1705A.2.1, 1705A.2.5; AISC 341-16 J6.2, AISC 360-16 N5.5; AWS ☑ b. Magnetic Particle D1.1, AWS D1.8 DSA IR 17-2.

a. Shop Welding - Inspect welding of cold-formed steel ☑ b. Shop Welding - Inspect welding of steel floor deck Periodic welds Periodic/Special Inspector b. Hollow bolts Verify the torque installation torque

Type Performed By Code References and N

1. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291 Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form

S/A11. Other Stee

Test or Special Inspection

POET CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE. **TRACY, CA 95376** 

PROJECT: POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME: FORM DSA-103

DATE: 04/03/24 CLIENT PROJ NO: 359500100

ADDENDUM "A"

72' x 40' BUILDING FLOOR PLAN

☐ STOCKPILE WOOD FLOOR

STOCKPILE CONCRETE FLOOR

PLEASE RECYCLE

/ CONCRETE FOUNDATION

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-122977 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

**HMC Architects** 

3595001000

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

**DESCRIPTION** A ADDENDUM "A"

DATE 3/20/25

**KEYNOTES** 

POET CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE.

POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:

DATE: 04/03/24

CLIENT PROJ NO: 359500100

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC Application Number: Application Number: Application Number: School Name: School District: Increment Number: DSA File Number: Date Created: 04-122050 DSA **T**ile Number: Increment Number: Date Created: 2023-11-01 15:07:53 DSA File Number: Increment Number: Date Created: 2023-11-01 15:11:51 2023-11-01 15:01:26 2022 CBC 2022 CBC 2022 CBC IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. MPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. 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TYPE 2. PERFORMED BY 2. PERFORMED BY 1. TYPE 2. PERFORMED BY Phone (209) 825-1921 Fax (209) 825-7018 GE (Geotechnical Engineer) – Indicates that the special/inspection shall be GE (Geotechnical Engineer) – Indicates that the special inspection shall be GE (Geotechnical Engineer) – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized www.americanmodular.com performed by a registered geotechnical engineer or his of her authorized performed by a registered geotechnical engineer or his or her authorized Continuous – Indicates that a continuous special inspection is Continuous – Indicates that a continuous special inspection is Continuous – Indicates that a continuous special inspection is LOR (Laboratory of Record) – Indicates that the test or special inspection shall LOR (Laboratory of Record) – Indicates that the test or special inspection shall LOR (Laboratory of Record) - Indicates that the test or special inspection sha be performed by a testing laboratory accepted in the DSA Laboratory Evaluation INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMEN be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335. be performed by a testing laboratory accepted in the DSA Laboratory Evaluation COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS) and Acceptance (LEA) Program. See CAC Section 4-835. and Acceptance (LEA) Program. See CAC Section 4-335. Periodic Indicates that a periodic special inspection is required MS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIET Periodic – Indicates that a periodic special inspection is required PI (Project Inspector) – Indicates that the special inspection may be performed Periodic – Indicates that a periodic special inspection is required GHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED H ERTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMAR PI (Project Inspector) – Indicates that the special inspection may be performed by a project PI (Project Inspector) – Indicates that the special inspection may be performed AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINA WITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICA' inspector when specifically approved by DS inspector when specifically approved by DSA Test – Indicates that a test is required inspector when specifically approved by DSA. AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTE COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR SI (Special Inspection) – Indicates that the special inspection shall be performed Test – Indicates that a test is required Test – Indicates that a test is required SI (Special Inspection) – Indicates that the special inspection shall be performed by an appropriately qualified/approved/special inspector. INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE DNSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISH SI (Special Inspection) – Indicates that the special inspection shalf be performed by an appropriately qualified/approved special inspector. by an appropriately qualified/approved special inspector. Geotechnical Reports: Project does NOT have and does NOT require a geotechnical report BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, Geotechnical Reports: Project does NOT have and does NOT require a geotechnical report S1. GENERAL APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITT ISENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTIO S2. SOIL COMPACTION AND A S2. SOIL COMPACTION AND FILL: Test or Special Inspection Type Performed By Code References and Notes OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICA IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR Test or Special Inspection Type | Performed By | Code References and Notes a. Verify that: Refer to specific items identified in the Appendix listing exemptions Test or Special Inspection Type | Performed By | Code References and Notes for limitations. Placement of controlled fill exceeding 12" depth under • Site has been prepared properly prior to placement of ☑ a. Verify use of proper materials, densities and inspect lift | Continuous | \* Under the supervision of a geotechnical engineer or LOR's ☑ a. Verify use of proper materials, densities and inspect lift Continuous \* Under the supervision of a geotechnical engineer or LOR's controlled fill and/or excavations for foundations. oundations is not permitted without a geotechnical report. engineering manager/Refer to specific items identified in the PRE-CHECKED SET NAME thicknesses, placement and compaction during engineering manager. Refer to specific item identified in the thicknesses, placement and compaction during Appendix listing exemptions for limitations. placement of fill. Appendix listing exemptions for limitation depth and have reached proper material. placement of fill. 24' x 40' THRU 120' x 40' Materials below footings are adequate to achieve the ☑ b. Compaction testing. \* Under the supervision of a geotechnical engineer or LOR's ☑ b. Compaction testing. \* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the design bearing capacity. STANDARD MODULAR BUILDING engineering manager. Refer to specific tems identified in the Appendix listing exemptions for limitations. S2. SOIL COMPACTION AND (LOW SEISMIC) C1. CAST-IN-PLACE CONCRETE Type Performed By Code References and Notes C1. CAST-IN-PLACE CONCRETE Test or Special Inspection Test or Special Inspection Type | Performed By | Code References and Notes a. Verify use of proper materials. densities and inspect lift Type | Performed By | Code References and Notes \* Under the supervision of a geotechnical engineer or LOR's Test or Special Inspection engineering manager. Refer to specific items identified in the thicknesses, placement and compaction during Table 170 A.3 Item 5, 1910A.1. a. Verify use of required design mix. Table 1705A.3 Item 5, 1910A. a. Verify use of required design mix. placement of fill. prendix listing exemptions for limitations.  $\mathbb{Z}$  b. Compaction testing. Inder the supervision of a geotechnical engineer or LOR's b. Identifiy, sample, and test reinforcing steel. 1910A. **2**; ACI 318-19 Ch.20 and Section 26.6.1.2; DSA IR 17-10. (See LOR 1910A.2; ACI 318-19 Ch.20 and Section 26.6.1.2; DSA IR 17-10. (See b. Identifiy, sample, and test reinforcing steel. ngineering manager. Refer to specific items identified in the Appendix (end of this form) for exemptions.) ppendix listing exemptions for limitations. c. During concrete placement, fabricate specimens Table 1705A.3 Item 6; ACI 318-19 Sections 26.5 & 26.12. LOR Table 1705A.3 Item 6; ACI 318-19 Sections 26.5 & 26.12. c. During concrete placement, fabricate specimens C1. CAST-IN-PLACE CONCRETE SITE SPECIFIC PROJECT NAME for strength tests, perform slump and air content for strength tests, perform slump and air content Test or Special Inspection Type Performed By Code References and Notes tests, and determine the temperature of the tests, and determine the temperature of the Table 1705A.3 Item 5, 1910A.1 a. Verify use of required design mix. d. Test concrete (f'c). 1905A.1.17; ACI 318-19 Section 26.12. ☑ d. Test concrete (fc). 1905A.1.17; ACI 378-19 Section 26.12. 1910A.2; ACI 318-19 Ch.20 and Section 26.6.1.2; DSA IR 17-10. (See b. Identifiy, sample, and test reinforcing steel. Appendix (end of this form) for exemptions.) ☑ e. Batch plant inspection: Continuous Default of 'Continuous' per 1705A.3.3. If approved by DSA, batch e. Batch plant inspection: Continuous Default of 'Contynuous' per 1705A.3.3. If approved by DSA, batch plant inspection may be reduced to 'Periodic' subject to requirement Table 1705A.3 Item 6; ACI 318-19 Sections 26.5 & 26.12. plant inspection may be reduced to 'Periodic' subject to requirements c. During concrete placement, fabricate specimen in Section 1705A.3.3.1, or eliminated per 1705A.3.3.2. See IR 17-13. **GENERAL NOTES** in Section 1795A.3.3.1, or eliminated per 1705A.3.3.2. See IR 17-13. for strength tests, perform slump and air content (See Appendix (end of this form) for exemptions.) (See Appendix (end of this form) for exemptions.) tests, and determine the temperature of the ☑ d. Test concrete (f'c). S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES LOR 1905A.1.17; ACI 318-19 Section 26.12. S/A3. WELDING: Type Performed By Code References and Notes Test or Special Inspection e. Batch plant inspection: Continuous Default of 'Continuous' per 1705A.3.3. If approved by DSA, batch APPROVED plant inspection may be reduced to 'Periodic' subject to requirement a. Verify identification of all materials and: Table 1705A.2.1 Item 3a–3c. 2202A.1; AISI S100-20 Section A3.1 & DIV. OF THE STATE ARCHITEC ☑ a. Verify weld filler material identification markings per 170**5** A.2.5, Table 1705 A.2.1 Items 4 & 5; AWS D1.1 and AWS D1.8 for Periodic in Section 1705A.3.3.1, or eliminated per 1705A.3.3.2. See IR 17-13. Mill certificates indicate material properties that comply A3.2, AISI S240-20 Section A3 & A5, AISI S220-20 Sections A4 & A6. \* By stryctural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed AWS designation listed on the DSA-approved documents (See Appendix (end of this form) for exemptions.) special inspector or qualified technician when performed off-site. APP: 04-122050 PC with requirements. and the WPS. steel; AWS D1.4 for reinforcing steel; DSA IR 17-3. Material sizes, types and grades comply with S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES requirements. ☑ b. Verify weld filler material manufacturer's certificate of LOR SS 🗹 🗗 S 🗹 ACS 🖳 CG 🗹 Test or Special Inspection Performed By Code References and Notes ☑ b. Test unidentified materials ☑ c. Verify WPS, welder qualifications and equipment. Periodic a. Verify identification of all materials and: Table 1705A.2.1 Item 3a-3c. 2202A.1; AISI S100-20 Section A3.1 & c. Examine seam welds of HSS shapes Mill certificates indicate material properties that comply A3.2, AISI S240-20 Section A3 & A5, AISI S220-20 Sections A4 & A6. \* By Test or Special Inspection Type d. Verify and document steel fabrication per DSA-Not applicable to cold-formed steel light-frame construction, except special inspector or qualified technician when performed off-site. with requirements. S/A5. FIELD WELDING (IN ADDITION TO SECTION S/A3): Material sizes, types and grades comply with approved construction documents. for trusses (1705A.2.4). S/A3. WELDING: Type | Performed By | Code References and Notes Test or Special Inspection LOR ☑ b. Test unidentified materials Test or Special Inspection Table 1705A. 2.1 Item 5a.5; AISC 360-16 (AISC 341-16 as applicable); 2022 CBC PRE-CHECK (PC) DOCUMENT ☑ c. Examine seam welds of HSS shapes DSA IR 17-3. DSA IR 17-3. 1705A.2.5, Table 1705A.2.1 Items 4 & 5; AWS D1.1 and AWS D1.8 for ☑ a. Verify weld filler material identification markings per Periodic d. Verify and document steel fabrication per DS. Not applicable to cold-formed steel light-frame construction, except structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed AWS designation listed on the DSA-approved documents MANUFACTURER PROFESSIONAL OF RECORD ON PC for trusses (1705A.2.4). steel; AWS D1.4 for reinforcing steel; DSA IR 17-3. approved construction documents. 1. Structural Testing and Inspection: Laboratory Verified Report Form DSA 29 and the WPS. S/A3. WELDING: ☑ b. Verify weld filler material manufacturer's certificate of / Code References and Notes 2. Concrete Batch Plant Inspection: Laboratory Verified Report Form DSA 291 a. Verify weld filler material identification markings per Periodic 1705A.2.5, Table 1705A.2.1 Items 4 & 5; AWS D1.1 and AWS D1.8 fo c. Verify WPS, welder qualifications and equipment. Field Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA AWS designation listed on the DSA-approved documents structural steel: AWS D1.2 for Aluminum: AWS D1.3 for cold-formed S/A4. SHOP WELDING (IN ADDITION TO SECTION \$/A3): steel: AWS D1.4 for reinforcing steel: DSA IR 17-3. and the WPS. Test or Special Inspection Type | Performed By | Code References and Notes ☑ b. Verify weld filler material manufacturer's certificate of Periodic a. Inspect groove welds, multi-pass fillet welds, single pass | Continuous Table 1705A.2.1 Items 5a.1-4; AISC 360-16 (and AISC 341-16 as ✓ c. Verify WPS, welder qualification and equipment. Periodic fillet welds > 5/16", plug and slot welds. S/A4. SHOP WELDING (IN ADD/TION TO SECTION S/A3): 1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3. deck welds. Test or Special Inspection Type Performed By Code References and Notes SI Table 1703A.2.1 Items 5a.1–4; AISC 360-16 (and AISC 341-16 as ☑ a. Inspect groove welds, multi-pass fillet welds, single pass Continuous Test or Special Inspection Type | Performed By | Code References and Notes fillet welds > 5/16", plug and slot welds. applicable); OSA IR 17-3. S/A5. FIELD WELDING (IN ADDITION TO SECTION S/A3): b. Inspect single-pass fillet welds ≤ 5/16", floor and roof
 Periodic 1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and Test or Special Inspection Type | Performed By | Code References and Notes AISC 341-16 as applicable); DSA IR 17-3. Table 1705A.2.1 Item 5a.5; AISC 360-16 (AISC 341-16 as applicable); b. Inspect single-pass fillet welds ≤ 3/1 Test or Special Inspection Type Performed By Code References and Notes S/A5. FIELD WELDING (IN ADDITION TO SECTION S/A3): Type | Performed By | Code References and Notes Test or Special Inspection Test or Special Inspection Type Performed By Code References and Notes S/A6. NONDESTRUCTIVE TES/TI b. Inspect single-pass fillet welds ≤ 5/16". SI Table 1705A.2.1 Item 5 a.5; AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3. Test or Special Inspection Type | Performed By | Code References and Notes Type | Performed By | Code References and Note ☑ b. Magnetic Particle LOR | 1705A.2.1, 1705A.2.5; AISC\\341-16 J6.2, AISC 360-16 N5.5; AWS | Test or Special Inspection D1.1, AWS D1.8; DSA IR 17-2. S/A6. NONDESTRUCTIVE TESTING: THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD. Type Performed By Code References and Notes Test of Special Inspection S/A11. Other Steel b. Magnetic Particle LOR 1705A.2.1, 1705A.2.5; AISC 341-16 J6.2, AISC 360-16 N5.5; AWS Type | Performed By | Code References and Notes Test or Special Inspection D1.1, AWS D1.8; DSA IR 17-2. ☑ a. Shop Welding/Inspect welding of cold-formed steel Periodic Periodic/Special Inspector S/A11. Other Steel FACILITY: ☑ b. Shop Welding - Inspect welding of steel floor deck Periodic Type Performed By Code References and Notes Test or Special Inspection welds Periodic/Special Inspector a. Shop Welding - Inspect welding of cold-formed steel Periodic , 🔽 | c. Hollow b/b/ Verify the torque installation torque Periodic/Special Inspector Continuous | PI | Verify the torque installation torque **TRACY, CA 95376** b. Hollow bolts 1. Structural/Testing and Inspection: Laboratory Verified Report Form DSA 291 AA 1. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291 2. Concrete Batch Plant Inspection: Laboratory Verified Report Form DSA 291 AS NOTED PROJECT: MM/DD/YY Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form 2. Concrete Batch Plant Inspection: Laboratory Verified Report Form DSA 291 PROJECT NO: XXXX-22 Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form Held Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA SHEET TITLE: 4. Field Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292 **FORM** FORM DSA-103 DSA-103 SHEET NUMBER: CONSTRUCTION OF PERMANENT MODULAR RELOCATABLE BUILDING - WOOD FLOOR CONSTRUCTION OF PERMANENT MODULAR RELOCATABLE BUILDING - CONCRETE

FLOOR / CONCRETE FOUNDATION

RELOCATION OF CERTIFIED RELOCATABLE BUILDING

HMC Architects

3595001000

DATE

3/20/25

**KEYNOTES** 

24' x 40' THRU 120' x 40' STANDARD MODULAR BUILDING (LOW SEISMIC)

SITE SPECIFIC PROJECT NAME

SEE NOTE ON FLOOR PLAN FOR SIZE AND TYPE.

SECTION 9C INTERIOR AIR QUALITY CONTROL

COMPLY TITLE 24, PART 11 ("CAL-GREEN"):

ADHESIVES, SEALANTS, CAULKS

AEROSOL PAINTS & COATINGS

COMPOSITE WOOD PRODUCTS

CARPET CUSHION OR PAD

2. PAINTS, COATINGS

1. CARPET SYSTEMS

CARPET ADHESIVE

PER 5.504.4.6.

SECTION 13

SECTION 23

SYSTEM.

SCOPE OF WORK

SCOPE OF WORK

ASSEMBLY OF ELEMENTS

THE INTERIOR ENVIRONMENT SHALL BE ASSEMBLED WITH PRODUCTS THAT

GOLD' LEVEL, OR OTHER APPROVED TESTING PER 5.504.4.4.

A. CUSHION/PAD SHALL MEET THE CRI'S "GREEN LABEL" PROGRAM.

A. ADHESIVES SHALL MEET THE REQUIREMENTS OF TABLE 5.504.4.1.

NON-EXEMPT MATERIALS PER TABLE 5.504.4.5.

A. SEE SHEET M1.7 FOR HVAC FILTER REQUIREMENTS

RESILIENT FLOORING SYSTEMS SECTION 5.504.4.6

SITE ASSEMBLY

CONTRIBUTE TO A HEALTHY INDOOR AIR QUALITY (IAQ). THE FOLLOWING SHALL

A. CARPET SHALL MEET CRI'S "GREEN LABEL PLUS" PROGRAM, NSF/ANSI '140

A. ALL COMPOSITE WOODS MUST NOT EXCEED THE FORMALDEHYDE LIMITS AS

SPECIFIED IN ARB'S "AIR TOXICS CONTROL MEASURE" (17 CCR 93120), OR

PROGRAM BY RFCI, COMPLY WITH CA-CHPS, OR OTHER APPROVED TESTING

9. HVAC FILTER (MERV RATING OF 13 AND MINIMUM 2-INCH DEPTH) SECTION 5.504.5.3.1

RAMPS, OR HANDRAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

A. IN A LOCATION ON THE SITE AS DETERMINED BY THE SCHOOL DISTRICT.

OR OTHER SUITABLÉ SUPPORTS AS DETAILED ON THE DRAWINGS.

SHALL BE INSTALLED PER DETAILS ON THE DRAWINGS.

AIR CONDITIONING

THE AIR CONDITIONING SYSTEM AS SHOWN ON THE DRAWINGS AND

SCOPE OF WORK (SEE SHEET M1.7 FOR HVAC SPEC. AND NOTES)

A. RESILIENT FLOORING SHALL BE CERTIFIED UNDER THE "FLOORSCORE"

SECTION 5.504.4.1

SECTION 5.504.4.3

SECTION 5.504.4.3.1

SECTION 5.504.4.4

SECTION 5.504.4.4.1

SECTION 5.504.4.4.2

SECTION 5.504.4.5

UNITS SHALL BE INSTALLED COMPLETE AND OPERATING WITH ALL ACCESSORIES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

GRILLS AND POWER WIRING COMPLETE TO LOAD CENTER. CONTRACTOR SHALL

INSTRUCT OWNER'S OPERATORS ON OPERATION AND MAINTENANCE OF A/C

SECTION 26 ELECTRICAL

A. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES FOR ELECTRICAL INSTALLATION COMPLETE WITH ASSOCIATED EQUIPMENT AND FIXTURES, IN OPERATING CONDITION READY FOR USE. THE WORK INCLUDES: LIGHT AND POWER SYSTEMS, LIGHTING FIXTURES COMPLETE WITH LAMPS, CONNECTIONS AND DISCONNECTS TO A/C EQUIPMENT, EMERGENCY VOICE

ALARM COMMUNICATION SYSTEMS (EVACS). B. PROVIDE CONDUIT WITH PULL STRINGS AND JUNCTION BOXES FOR AUTOMATIC DETECTION FIRE ALARM SYSTEM AND NOTIFICATION PER NFPA 72.

ALL NEW COMPLYING WITH REQUIREMENTS OF CALIFORNIA ELECTRIC CODE. A. ELECTRIC METALLIC TUBING - COUPLING AND FLEX CONDUIT GALVANIZED OR

SHERARDIZED. EXTERIOR FLEX-GALV. STEEL WITH FACTORY APPLIED P.V.C.

B. PANEL BOARDS - FLUSH MOUNTED.

C. CONDUCTORS - COPPER, INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #6, TYPE THW FOR LARGER SIZES. MINIMUM SIZE-#14.

D. RECEPTACLES - AS NOTED. +18" A.F.F. MIN. TO BOTTOM OF BOX

E. CLOCK RECEPTACLE - AS NOTED.

F. SWITCHES - AS NOTED. +48" A.F.F. MAX. TO TOP OF BOX G. LIGHTING FIXTURES - AS NOTED ON THE DRAWINGS.

MATERIALS AND EQUIPMENT INSTALLED IN A SECURE, NEAT, WORKMANLIKE MANNER IN ACCORDANCE WITH CODE REQUIREMENTS. PANEL BOARD CARDS SHALL BE FILLED OUT. CONDUIT AND CABLE INSTALLED IN WALL AND CEILING

SPACES. WORK PIERCING WATERPROOFED AREAS FLASHED AND SEALED TO A

SITE TERMINATION BY SITE CONTRACTOR (N.I.C.). (FLEXIBLE CONDUIT S-BEND

WATERTIGHT CONDITION. BUILDING CONDUIT/WIRING FROM FACE OF BUILDING TO

SEALTITE).

INSPECTION OF PREFABRICATED BUILDINGS IS DIVIDED INTO TWO SEPARATE FUNCTIONS:

APPROVAL TO OBTAIN AN IN-PLANT INSPECTOR APPROVED BY D.S.A.

THE INSPECTOR WITH FULL ACCESS TO ALL PLANT OPERATIONS INVOLVING WORK

2101 CAPITOL AVENUE, SUITE 100 SACRAMENTO, CA 95816

916 368 7990 / www.hmcarchitects.com

DESCRIPTION

A\ ADDENDUM "A"

**GENERAL NOTES** 

2022 CBC PRE-CHECK (PC) DOCUMENT MANUFACTURER PROFESSIONAL OF RECORD ON PC

12/11/2023

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION

DRAWN BY: AA AS NOTED

IN-PLANT INSPECTION.

THE CONTRACTOR SHALL ALLOW UP TO SEVEN (7) DAYS FROM THE DATE OF PLAN

A COPY OF THE INSPECTOR'S VERIFIED REPORT SHALL ACCOMPANY EACH BUILDING TO

**American Modular Systems** 787 Spreckels Ave., Manteca, CA 95336 Phone (209) 825-1921 Fax (209) 825-7018 www.americanmodular.com INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMEN COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS)

S OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIET TAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEM CONTRACTOR SHALL PROVIDE ALL LABOR MATERIALS AND SERVICES TO PREPARE THE BUILDING ELEMENTS. TRANSPORT THEM FROM THE PLANT TO THE SITE AND AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFIC TO COMPLETE THE ASSEMBLY AT THE SITE. THE CONDITION OF THE SITE, SUCH AS COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OF DRAINAGE AND SOIL BEARING CAPACITY, SHALL BE THE RESPONSIBILITY OF THE INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE TRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNIS SCHOOL DISTRICT. UNLESS SPECIFICALLY CALLED FOR IN THE CONTRACT, STEPS, BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS PARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITT SENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION DFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICA IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OF PROPRIETARY RIGHTS. (APPROVED BY DSA) THE CONTRACTOR SHALL PLACE WOOD LEVELING STRIPS PRE-CHECKED SET NAME

B. THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON WHEEL ASSEMBLY AND TRANSFERRED TO THE PREPARED SITE. GREAT CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ELEMENTS BY RACKING OR BUMPING EACH OTHER. C. CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING TO INSTRUCTION ON THE DRAWINGS. FLASHINGS, TRIM AND OTHER LOOSE ITEMS

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL

SPECIFICATIONS, INCLUDING A/C UNITS AND ACCESSORIES, REMOTE THERMOSTAT

APPROVED DIV. OF THE STATE ARCHITECT APP: 04-122050 PC SS D PLS D ACS Q CG D

UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

MM/DD/YY ROJECT NO: XXXX-22 SHEET TITLE:

SHEET NUMBER:

**GENERAL NOTES SPECIFICATIONS** 

DATE: 04/03/24 CLIENT PROJ NO: 359500100

POET CHRISTIAN ELEMENTARY SCHOOL

POET CHRISTIAN ES - TK CLASSROOM

**GENERAL NOTES & SPECIFICATIONS** 

1701 S CENTRAL AVE.

**TRACY. CA 95376** 

PROJECT:

### GENERAL REQUIREMENTS

COMPLIED WITH AND SHALL INCLUDE:

- A. THE REQUIREMENTS OF THE GENERAL CONDITIONS OF THE AGREEMENT AND THIS GENERAL REQUIREMENT APPLY TO THE SEVERAL TRADE SECTIONS WITH
- THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH TRADE SECTION. B. NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD OF QUALITY. ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE LISTED BRAND NAMED PRODUCTS WITH THE WRITTEN APPROVAL OF D.S.A. AND THE RDPRC. C. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF TITLES 19 AND 24
- CALIFORNIA CODE OF REGULATIONS, 2022 C.B.C. NO CHANGES SHALL BE MADE FROM D.S.A. APPROVED DRAWINGS OR SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL OF D.S.A. AND THE RDPRC.
- SCOPE OF WORK A. THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT AND
- INSTALLING ON-SITE, MODULAR RELOCATABLE BUILDINGS AS DEFINED HEREIN AND SHOWN AND DETAILED ON DRAWINGS. B. ALL REQUIREMENTS OF TITLE 24 OF THE STATE OF CALIFORNIA, CODE OF REGULATIONS, RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE
- 1. GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION TO BE
- PROVIDED BY THE RDPRC. INSPECTION IN-PLANT DURING THE COURSE OF CONSTRUCTION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT. THE INSPECTOR SHALL BE RESPONSIBLE FOR AND APPROVED TO INSPECT THE GENERAL CONSTRUCTION WELDING. MECHANICAL, AND ELECTRICAL WORK. COST OF THESE INSPECTIONS
- SHALL BE BORNE BY THE SCHOOL DISTRICTS. ON-SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY INSTALLATION OR CONNECTIONS BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT
- AND RETAINED BY THE SCHOOL DISTRICT. 4. OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT.
- 5. ADDENDUMS SHALL BE SIGNED BY THE RDPRC & APPROVED BY D.S.A. 6. CHANGES TO CONSTRUCTION DOCUMENT AFFECTING ACS, FLS & SSS SHALL BE SIGNED BY THE OWNER & THE RDPRC & APPROVED BY D.S.A. PRIOR TO COMMENCING WORK. CHANGES TO THE CONSTRUCTION COST ARE REPORTED TO D.S.A. USING FORM DSA-168 AT THE CONCLUSION OF
- THE PROJECT. 7. THE TESTING LAB SHALL BE IN THE EMPLOY OF THE OWNER. 8 ALL CONTRACTORS SHALL VERIFY ALL WORK CONDITIONS, DIMENSIONS
- AND DETAILS AND REPORT ANY OR ALL OMISSIONS AND DISCREPANCIES TO THE RDPRC/OWNER IMMEDIATELY BEFORE COMMENCING WORK. 9. EACH CONTRACTOR TO BE RESPONSIBLE TO SEE THAT THEIR WORK CONFORMS TO ALL GOVERNMENTAL CODES WHETHER OR NOT SO STATED
- 10. ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE LATEST REQUIREMENTS OF THE GOVERNING BUILDING CODES IN EFFECT AT TIME OF DSA APPLICATION.
- 11. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED AND ERECTED PER MANUFACTURER'S DIRECTIONS AND INSTRUCTIONS. 12. SHOP DRAWINGS MAY BE REQUIRED. IF SO, THEY WILL BE ACCURATELY
- DRAWN TO A LARGE ENOUGH SCALE TO SHOW ALL PERTINENT FEATURES OF THE ITEM AND ITS CONNECTION TO RELATED WORK. 13. THE MANUFACTURER OF BUILDING IS TO PLACE TWO PERMANENT METAL IDENTIFICATION LABEL ON EACH MODULE, MECHANICALLY FASTENED TO THE FRAME SEE "GENERAL DESIGN REQUIREMENTS", SHEET N2.0. FOR

PROJECTS MANUFACTURED OFF-SITE, THE PLANT INSPECTOR IS TO

INDICATE THE MANUFACTURER'S NAME AND SERIAL NUMBER OF EACH MODULE ON THE VERIFIED REPORT AND D.S.A. APP. NUMBER. 14. ALL TESTS AND INSPECTIONS REQUIRED BY DSA SHALL BE COMPLIED WITH. ALL TESTS REQUIRED BY FIRE AND LIFE SAFETY REGULATIONS

SHALL BE BY A NATIONALLY RECOGNIZED TESTING LABORATORY.

#### SECTION 2 FOUNDATION

WORK NOT INCLUDED:

- ASSUMED ALLOWABLE SOIL BEARING 1500 P.S.F. FOR CONCRETE FOUNDATIONS EMBEDDED 12" MINIMUM BELOW GRADE. (1/3 INCREASE IN SOIL BEARING CAPACITY NOT PERMITTED FOR WIND & SEISMIC LOAD COMBINATIONS UNLESS USING ALTERNATIVE BASIC LOAD
- COMBINATIONS PER CBC SECTION 1605A.3.2) FOOTINGS SHALL BE LOCATED ON UNDISTURBED, FIRM, NATURAL SOIL OR APPROVED COMPACTED FILL.
- A. ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS. B. ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT CONCRETE OR WOOD LEVELING STRIPS WHERE REQUIRED, UNLESS OTHERWISE INDICATED
- ON THE DRAWINGS. FIRE ALARM SYSTEM, PROGRAM BELL, PUBLIC ADDRESS SYSTEM, INTERCOM SYSTEM, TV, TELEPHONE SYSTEM, UNLESS OTHERWISE INDICATED ON THE DRAWINGS, OR MODIFIED BY CHANGE ORDER
- WHEELS AND HITCH SHALL REMAIN THE PROPERTY OF THE CONTRACTOR. ACCESSIBILITY OF SITE: THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF BUILDINGS, REMOVAL OF TREES, SHRUBS. FENCING, SPRINKLERS ETC. NECESSARY FOR THE MOVE-IN OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

# SECTION 3 CONCRETE

REPLACEMENT BY WEIGHT.

- CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 318-19.
- THE MINIMUM 28 DAY STRENGTH AND TYPE OF CONCRETE SHALL BE AS FOLLOWS: FOUNDATIONS ..PER SHEET N1.0A (150 PCF) FOUNDATION VENTS & ACCESS WELLS.... ...PER SHEET N1.0A (150 PCF) CONCRETE OVER METAL DECK... ...3000 PSI (110 PCF)
- THE MAXIMUM WATER TO CEMENT (W/C) RATIO SHALL BE PER SHEET N1.0A FOR FOUNDATIONS AND 0.45 FOR CONCRETE OVER METAL DECK SLABS.
- WATER REDUCING ADMIXTURE. CEMENT SHALL CONFORM TO ASTM C150. CEMENT TYPE SHALL BE PER SHEET N1.0A FOR FOUNDATIONS, TYPE I OR II FOR CONCRETE OVER METAL DECK SLABS.

CONCRETE SLUMP SHALL BE 4" ± 1" PRIOR TO ADDING ANY WATER REDUCING

ADMIXTURES. CONCRETE SLUMP SHALL NOT EXCEED 8"± 1 ½" WHEN USING A

- A. FLY ASH SHALL CONFORM TO ASTM C618 CLASS 'F' OR 'N' AND SHALL NOT EXCEED 15% CEMENT REPLACEMENT BY WEIGHT. B. SLAG CEMENT SHALL CONFORM TO ASTM C989, GRADE 100 OR 120 AND SHALL NOT EXCEED 50% CEMENT REPLACEMENT BY WEIGHT. C. COMBINATION OF FLY ASH & SLAG CEMENT SHALL NOT EXCEED 50% CEMENT
- 6. CONCRETE AGGREGATES: A. NATURAL SAND AND ROCK AGGREGATES SHALL CONFORM TO ASTM C33.
- B. LIGHTWEIGHT AGGREGATE SHALL CONFORM TO ASTM C330. C. MAX AGGREGATE SIZE SHALL BE 1"±1/4" FOR NORMAL WT. CONCRETE EXCEPT 3/8" OR 1/2" MAX MAY BE USED FOR FOUNDATION VENTS & ACCESS WELLS.
- D. MAX AGGREGATE SIZE SHALL BE 3/8" OR 1/2" FOR LIGHT WT. CONCRETE. REINFORCING SHALL CONFORM TO ASTM A615-GRADE 60, UNLESS OTHERWISE

## CONCRETE continued

SECTION 5

- CONCRETE COVER OVER REINFORCING STEEL SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED ON DRAWINGS:
- CONCRETE EXPOSED TO GROUND BUT PLACED IN FORMS ......2" SLABS (ON GROUND) .. ....POSITION IN CENTER OF SLAB ALL BARS SHALL HAVE A CLASS B MINIMUM LAP SPLICE PER DETAILS 6 & 9/S1.4 AND SPLICES IN ADJACENT BARS SHALL BE STAGGERED, U.N.O.
- REINFORCING BARS SHALL NOT BE WELDED UNLESS SPECIFICALLY DETAILED IN THE APPROVED DRAWINGS. BARS DETAILED TO BE WELDED SHALL BE ASTM A706 BARS AND WELDING ELECTRODES SHALL BE E80XX. WELDING SHALL CONFORM WITH AWS D1.4-2017 AND SHALL BE CONTINUOUSLY INSPECTED. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 AND SHALL BE LAP SPLICED
- TWO SQUARES MINIMUM EACH DIRECTION. . NOTIFY THE RDPRC PRIOR TO PLACING CONCRETE.
- 13. CHEMICAL ADMIXTURES SHALL CONFORM TO ASTM C494. 14. AIR-ENTRAINING ADMIXTURE SHALL CONFORM TO ASTM C260. 15. NON-SHRINK GROUT: ASTM C1107, 5000 PSI MIN AT 7 DAYS.

FORCE-RESISTING SYSTEMS SHALL BE MADE WITH A FILLER METAL THAT HAS A

MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20FT-LBS AT ZERO DEGREES F AND

ASTM A572, GR. 50. NOTE: ASTM A572, GR. 50 MAY BE SUBSTITUTED FOR

C. PIPE COLUMNS SHALL CONFORM TO ASTM A-53 WITH SULFUR CONTENT NOT

D. STRUCTURAL STEEL TUBING (HSS) FOR STEEL MOMENT FRAME COLUMNS PER

MAY CONFORM TO ASTM A500 GRADE B OR C OR ASTM A1085, TYP UNO.

E. STEEL PLATES, ANGLES, BARS AND MISC, SHAPES SHALL CONFORM TO ASTM

A36 (36 KSI) TYP. U.N.O. WHERE DRAWINGS SPECIFY 50 KSI. STEEL SHALL

ERECTION - STRUCTURAL STEEL ERECTED TRUE, STRAIGHT, PLUMB AND TO ITS

A. BOLTS FOR STRUCTURAL STEEL CONNECTIONS SHALL CONFORM TO ASTM

SUBSTITUTED FOR BOLTS SAME LENGTH AND DIAMETER.

CARPENTRY

DESIGNATED LOCATIONS. FIELD CONNECTIONS BOLTED OR WELDED AS INDICATED

NAILS, BOLTS, SCREWS AND NUTS, ETC. - FOR EXTERIOR WORK SHALL BE CADMIUM

A-307 UNLESS OTHERWISE NOTED. ALL HOLES FOR BOLTS THRU STEEL TO BE

UNLESS OTHERWISE NOTED. NELSON STUDS (WELDED TO STEEL) MAY BE

B. SEE "FASTENERS FOR ATTACHMENT TO STEEL" ON SHEET N2.0 FOR SHOT PINS

A. PROVIDE MILL CERTIFICATES OR TEST ALL STEEL MEMBERS PER TITLE-24 PART

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL

LUMBER GRADE MARKED IN ACCORDANCE WITH AN APPROVED GRADING AGENCY

PER DOC PS20-20 INCLUDING "STANDARD GRADING AND DRESSING RULES NO. 17"

OF WEST COAST LUMBER INSPECTION BUREAU, OR "WESTERN LUMBER GRADING

RULES", LATEST EDITION OF WESTERN WOOD PRODUCTS ASSOCIATION. OSB OR

PLYWOOD GRADE MARKED IN ACCORDANCE WITH PRODUCT STANDARD PS 1-19. PS

2-19, OR PRP-108 FOR SOFTWOOD OSB OR PLYWOOD, OF THE AMERICAN PLYWOOD

ASSOCIATION (APA). EACH SHEET SHALL BEAR THE STAMP OF APA, PITTSBURGH

B. PSL HEADERS: TRUS JOIST PARALLAM PSL BY WEYERHAEUSER (ICC ESR-1387)

BEAMS ≥ 9¼" DEEP

 $F_{b} = 2900 \text{ PSI MIN.}$ 

 $F_v = 290 \text{ PSI MIN.}$ 

E = 2.0E6 PSI MIN.

JOISTS, HEADERS, PLATES, STUDS: DOUGLAS FIR S4S #2 OR HEM FIR

S4S #2 MINIMUM, U.N.O. NOTE: MSR 1650 E1.5 MAY BE SUBSTITUTED FOR #2 GRADE IF IT MEETS THE STRUCTURAL REQUIREMENTS FOR

OR FOULV. MEETING THE FOLLOWING STRUCTURAL PROPERTIES:

C. POSTS AND TIMBERS: DOUGLAS FIR S4S #1 OR HEM FIR S4S #1 MIN.

SILLS AND LUMBER & SHIM PLATES IN CONTACT WITH CONCRETE

MASONRY OR EARTH: DOUG FIR #2 OR HEM FIR #2 MIN. PRESSURE

TREATED IN ACCORDANCE WITH CBC 2304.12.1. EACH PIECE SHALL

H. FASTENERS - EXTERIOR USE FASTENERS EXPOSED TO THE OUTSIDE

EXTERIOR WALL COVERINGS) SHALL BE CORROSION RESISTANT IN

K. FRAMING CONNECTORS SHALL BE FROM SIMPSON CATALOG LATEST ED.

SPECIFICATION FOR WOOD CONSTRUCTION (ANSI\AWC NDS-2018).

M. ALL NAILS SHALL BE COMMON NAILS PER ASTM F1667 UNLESS OTHERWISE

N. ALL CUT ENDS AND HOLES IN PRESSURE TREATED LUMBER SHALL BE TREATED

O. ALL BOLTS AND LAG SCREWS SHALL COMPLY WITH THE 2018 NATIONAL DESIGN

BEAR AWPA STAMP. AWPA STANDARD U1 & T1 GROUND CONTACT, D.F.

F. MOISTURE BARRIER: KRAFT WATERPROOF BUILDING PAPER, OR 15 LB. FELT,

G. STUDS - S4S DOUG FIR #2 OR #2 HEM FIR. MAXIMUM MOISTURE CONTENT OF

ENVIRONMENT (INCLUDING FASTENERS USED FOR THE ATTACHMENT OF

BLOCKING: DOUG FIR #3. OR HEM FIR #3. OR STD. & BET.

TESTING, OR TECO. MOISTURE CONTENT SHALL NOT EXCEED 19%.

HANDRAILS - FABRICATED, AS DETAILED, NON-FILLET WELDS GROUND SMOOTH.

A. EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.

B. ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO

DRILLED, OR TORCHED PILOT HOLE AND REAMED TO DIAMETER OF BOLT +1/16"

CONFORM TO ASTM A572, GR. 50. NOTE: ASTM A572, GR. 50. MAY BE

SHEET S5.0 SHALL CONFORM TO ASTM A1085. ALL OTHER STEEL TUBING (HSS)

EXCEEDING 0.05% TYP. U.N,O.

SUBSTITUTED FOR ASTM A36 (36 KSI).

APPLICATION OF SHOP COATS.

2, CCR SECTION 1705A.2 & 2202A.

FLOOR AND ROOF MEMBERS.

BEAMS ≤ 7" DEEP & COLUMNS

 $F_b = 2400 \text{ PSI MIN.}$ 

 $F_v = 190 \text{ PSI MIN.}$ 

(OR H.F.) #2 ABOVE GROUND.

19% AT TIME OF INSTALLATION.

WITH "CUPRINOL".

CBC SECTION 1403.2. & ASTM D226, TYPE I.

ACCORDANCE WITH C.B.C. SECTION 2304.10.1.1.

BUILDING TRIM - 2x RESAWN SELECT D.F., H.F., OR CEDAR.

J. DOOR/WINDOW TRIM - 1x4 RESAWN D.F., H.F., OR CEDAR.

L. FIRE BLOCKS SHALL CONFORM TO CBC SECTION 718.2

ON THE DRAWINGS.

& SCREWS.

SHOP PAINT

SECTION 6

SCOPE OF WORK

CARPENTRY.

MATERIAL S

PLATED OR GALVANIZED.

- GENERAL ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF AISC 360-16. E. MACHINE APPLIED NAILING: USE OF MACHINE NAILING IS SUBJECT TO A TITLE 24 OF CALIFORNIA CODE OF REGULATIONS SECTION 2212A.1.2, AND THE SATISFACTORY JOBSITE DEMONSTRATION FOR EACH PROJECT AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OF STEEL APPROVAL BY THE RDPRC AND THE DIVISION OF THE STATE ARCHITECT. THE STRUCTURAL MEMBERS. A COPY OF TITLE 24 SHALL BE KEPT AT THE JOBSITE AT APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE. ALL TIMES. MACHINE NAILING WILL NOT BE APPROVED IN 5/16" OSB. IF NAILHEADS A. FABRICATION AND ERECTION SHALL COMPLY WITH AISC 360-16 CHAPTER 'M' PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND AND AISC 341-16 CHAPTER 'I'. HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED WELDING - ALL WELDING SHALL COMPLY WITH REQUIREMENTS OF THE THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY. "STRUCTURAL WELDING CODE" OF THE AMERICAN WELDING SOCIETY AND
- F. MOISTURE BARRIER APPLIED TO STUDS WEATHER-BOARD FASHION, WELDING DONE BY OPERATORS QUALIFIED BY TESTS ACCEPTABLE TO THE HORIZONTAL JOINTS LAPPED MIN 6" INCLUDING BUILDING CORNERS. DIVISION OF THE STATE ARCHITECT. WELDING INSPECTION PER TITLE 24. PART 2 SHEATHING APPLIED OVER MOISTURE BARRIER. CCR, SECTIONS 1705A.2.5. WELDING ELECTRODES, IF UTILIZED, SHALL BE E70XX. G. TRIM SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM OR SIDING ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL UNLESS TRANSPARENT TYPE.
- SECTION 7A SHEET METAL (NON-STRUCTURAL) COMPLYING WITH AWS D1.8-2016. SECTION 6.1. STRUCTURAL STEEL SHAPES SHALL CONFORM TO THE FOLLOWING: SCOPE OF WORK A. WIDE FLANGE BEAMS SHALL CONFORM TO ASTM A992, GRADE 50, TYP. U.N.O. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL B. STRUCTURAL STEEL CHANNELS SHALL CONFORM TO ASTM A36 (36 KSI) TYP. INDICATED SHEET METAL. U.N.O. WHERE DRAWINGS SPECIFY 50 KSI, CHANNELS SHALL CONFORM TO
  - 2. MATERIALS A. SHEET METAL - STEEL SHEETS HOT DIP GALVANIZED WITH 1.25 OZ. PER
  - SQUARE FOOT ZINC COATING CONFORMING TO ASTM A653 MINIMUM 26 GA. UNLESS OTHERWISE NOTED ON THE DRAWINGS.
  - B. SOLDER OF STAND, GRADE "A" OF EQUAL PARTS, ARD BRAND, LEAD AND TIN ASTM B32.

CARPENTRY continued

NOMINAL DIAMETER AS THE BOLT + 1/16".

40% TO 70% OF THE SHANK DIAMETER.

ONE PIECE. TRIM SEALED AT ALL EDGES.

UNDER HEADS AND NUTS WHICH BEAR ON WOOD.

P. HOLES FOR BOLTS IN WOOD SHALL BE BORED WITH A BIT OF THE SAME

Q. HOLES FOR LAG SCREWS SHALL BE FIRST BORED TO THE SAME NOMINAL

R. ALL BOLTS AND LAG SCREWS SHALL BE PROVIDED WITH METAL WASHERS

A. FRAMING - SECURELY NAILED, BRIDGED AND BLOCKED TO FORM RIGID

DIAMETER AND DEPTH AS THE SHANK. THE REMAINDER OF THE HOLE SHALL BE

STRUCTURE. WORK CUT, FITTED AND ASSEMBLED LEVEL PLUMB AND TRUE TO

WEATHER-PROOF AND WATER-TIGHT SEAL. NECESSARY CLOSERS, SEALS, AND

FLASHINGS PLACED AT TOP AND BASE SUPPORT OF PANELS AND AROUND

LINE. TRIM IN AS LONG LENGTHS AS POSSIBLE WITH ALL STANDING TRIM IN

B. NAILING - IN ACCORDANCE WITH TITLE 24, CALIFORNIA BUILDING CODE, TABLE

C. EXTERIOR WALLS - FACTORY FABRICATED. CAULKING PROVIDED BETWEEN

PERIMETER OF WALL AND STRUCTURAL MEMBERS PROVIDING

D. NAILS INTO P.T. LUMBER TO BE HOT DIPPED GALVANIZED.

- C. FLUX ZINC SATURATED MURIATIC ACID. D. GUTTERS: 26 GA. G-90 GALV. STEEL 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
- FLASHING: 22 GA. G-90 GALV. STEEL U.O.N. E. FASTENERS: SELF-DRILLING OR SELF-TAPPING SHEET METAL SCREWS.
- LENGTH TO HAVE (3) EXPOSED THREADS MIN. WORKMANSHIP SHEET METAL ACCURATELY FORMED TO DIMENSIONS AND SHAPES DETAILED WITH TRUE STRAIGHT LINES, CORNERS AND ANGLES. FLASHING INSTALLED IN LONGEST 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

#### OF ASPHALTIC PAINT. SECTION 7B METAL ROOFING

- SCOPE OF WORK CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL
- METAL ROOFING. MATERIALS A. ROOF SHALL BE CONSTRUCTED OF 3" STANDING SEAM INTERLOCKING
- (UN-PENETRATED) STEEL SHEETS. PROPERTIES INCLUDING THICKNESS SHALL BE PER SHEET S0.0. BASE MATERIAL SHALL BE EITHER ASTM A1011 SS, GRADE 36 (Fy = 36 KSI)
- OR ASTM A653 SS, GRADE 37 (Fy = 37 KSI) AND SHALL BE GALVANIZED WITH G90 GALVANIZATION. D. SHEETS MAY BE PAINTED. E. CLASS B FIRE RATED.
- 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 SHEET N2.0. ALL SCREWS USED FOR METAL ROOFING ATTACHMENT SHALL HAVE

#### A NEOPRENE OR EPDM WASHER. SECTION 7C

- SCOPE OF WORK CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL AND SERVICES TO SEAL BUILDINGS.
- VULKEM SEALANT, POLYURETHANE, MANUFACTURED BY MAMECO INTERNATIONAL FOR ROOFS. "GEOCEL" SILICONIZED CAULK, GE, DUPONT, EAGLESEAL OR DAP FOR ALL OTHER APPLICATIONS, OR EQUAL.
- SEALANT V.O.C. LIMITS PER SCAQMD RULE 1168 (AS SHOWN IN TITLE 24, PART 11, TABLE 5.504.4.1 AND TABLE 5.504.4.2)

SEALANT APPLIED TO DRY CLEAN SURFACES, WHEREVER INDICATED ON DETAILS

#### AND AS NEEDED TO MAKE BUILDING WATERTIGHT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. SECTION 7D SINGLE-PLY ROOFING

- SCOPE OF WORK CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL AND SERVICES TO INSTALL SINGLY-PLY OR BUILT-UP ROOFING. THE ROOFING SYSTEM SHALL WITHSTAND THE UPLIFT OF 100 MPH BASIC WIND SPEED.
- 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. ABSORBENTS. CLASS B FIRE RATING. A. WOOD NAILERS MUST BE A #2 GRADE LUMBER, OR EQUIVALENT, TO SUBSTRATE
- MEMBRANE APPLIED ON SUBSTRATES THAT ARE DRY, CLEAN, AND FREE OF FINS, SHARP EDGES AND LOOSE, FOREIGN MATERIALS, WHEREVER INDICATED ON DETAILS. AN INSULATION OR SLIP SHEET HAVING AN APPROVED FACER MUST BE USED WHEN ROOFING OVER ASPHALT OR COAL TAR ROOFS.
- SPECIFICATIONS FOR POLY (VINYL CHLORIDE) SHEET ROOFING" AND BE CLASSIFIED AS A TYPE IV, INTERNALLY REINFORCED SHEET.

#### A. DOORS - INSULATED TYPE L FULL FLUSH, MANUFACTURED BY AMWELD MANUFACTURING COMPANY, 18 GA. 1-3/4" THICK PER CS242 MIN, REINFORCE

HOLLOW METAL DOORS AND FRAMES.

MATERIALS

PRIME COAT.

SECTION 8 HOLLOW METAL DOORS AND FRAMES

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL

- FOR HARDWARE-BOTH FACES FOR CLOSER, SOUND DEADEN INTERIOR. B. FRAMES - 16 GA COLD ROLLED, 2" FACES, CS242 MIN. 3 ANCHORS PER JAMB + ADJUSTABLE FLOOR ANCHOR, EACH JAMB REINFORCE FOR HARDWARE. PROVIDE STRIKE BOX, PROVIDE SOUND DEADENING: 1/8" UNDERCOATING OR
- INSULATING FILL. ALL WORK FABRICATED IN SHOP TO REQUIRED PROFILES BY FORMING AND WELDING, WITH ARISES AND EDGES STRAIGHT, SHARP FIT FABRICATED ACCURATELY WITH SQUARE CORNERS, HAIRLINE JOINTS AND SURFACES FREE FROM WARP, WAVE, BUCKLE OR OTHER DEFECTS AFTER FABRICATION, DOORS AND FRAMES CLEANED THOROUGHLY, ALL WELDS GROUND SMOOTH AND GIVEN
- (EXTERIOR PORTLAND SECTION 9A STUCCO CEMENT PLASTER) LATHING AND PLASTERING MATERIALS AND ACCESSORIES SHALL BE MARKED BY THE MANUFACTURER'S DESIGNATION TO INDICATE COMPLIANCE WITH THE APPROPRIATE STANDARDS REFERENCED IN THIS SECTION AND STORED IN SUCH A MANNER TO PROTECT THEM FROM THE WEATHER, PER C.B.C 2507.1.
- LATHING AND PLASTERING MATERIALS SHALL CONFORM TO THE STANDARDS LISTED IN C.B.C. TABLE 2507.2 AND CHAPTER 35, AND, WHERE REQUIRED FOR FIRE PROTECTION,

GYPSUM BOARD AND GYPSUM PLASTER CONSTRUCTION SHALL BE OF THE MATERIALS

LISTED IN C.B.C. TABLES 2506.2 AND 2507.2. THESE MATERIALS SHALL BE ASSEMBLED

AND INSTALLED IN COMPLIANCE WITH THE APPROPRIATE STANDARDS LISTED IN TABLES 2508.1 AND 2511.1, AND CHAPTER 35 (PER 2508.1). WATER-RESISTIVE BARRIERS SHALL BE IN ACCORDANCE WITH C.B.C. SECTION 2510.6. WATER-RESISTIVE BARRIERS SHALL BE INSTALLED AS REQUIRED PER SECTION 1404.2, AND WHERE APPLIED OVER WOOD-BASED SHEATHING, SHALL INCLUDE A WATER-RESISTIVE VAPOR-PERMEABLE BARRIER WITH A PERFORMANCE AT LEAST

EXCEPTION: WHERE THE WATER-RESISTIVE BARRIER THAT IS APPLIED OVER WOOD-BASED SHEATHING HAS A WATER RESISTANCE EQUAL TO OR GREATER THAN THAT 60-MINUTE GRADE D PAPER COMPLYING WITH ASTM E 2556, TYPE II AND IS SEPARATED FROM THE STUCCO BY AN INTERVENING, SUBSTANTIALLY NONWATER-ABSORBING LAYER OR DRAINAGE SPACE.

EQUIVALENT TO TWO LAYERS OF GRADE D PAPER.

- PLASTER NOTES: PLASTERING WITH CEMENT PLASTER SHALL NOT BE LESS THAN THREE COATS WHEN APPLIED OVER METAL LATH OR WIRE FABRIC LATH AND SHALL NOT BE LESS THAN TWO COATS WHEN APPLIED OVER MASONRY CONCRETE OR GYPSUM BACKING AS SPECIFIED IN SECTION 2510.5.
- MATERIAL AND PRESSURE TO FILL SOLIDLY ALL OPENINGS IN THE LATH. THE SURFACE SHALL BE SCORED HORIZONTALLY SUFFICIENTLY ROUGH TO PROVIDE ADEQUATE BOND TO RECEIVE THE SECOND COAT. THE SECOND COAT SHALL BE BROUGHT OUT TO MIN. 3/8" THICKNESS, RODDED AND FLOATED SUFFICIENTLY ROUGH TO PROVIDE ADEQUATE BOND FOR THE

A. THE FIRST COAT SHALL BE MIN. 3/8" THICK & APPLIED WITH SUFFICIENT

FINISH COAT. THE SECOND COAT SHALL HAVE NO VARIATION GREATER TO THAN 1/4 INCH (6.4 mm) IN ANY DIRECTION UNDER 5-FOOT STRAIGHT EDGE. THE FINISH COATS SHALL BE MIN. 1/8" THICK & APPLIED OVER BASE COATS THAT HAVE BEEN IN PLACE FOR THE TIME PERIODS SET FORTH IN ASTM C 926. THE THIRD OR FINISH COAT SHALL BE APPLIED WITH SUFFICIENT MATERIAL AND PRESSURE TO BOND TO AND TO COVER THE BROWN COAT AND SHALL BE

OF SUFFICIENT THICKNESS TO CONCEAL THE BROWN COAT.

- SECTION 9B PAINTS & COATINGS SCOPE OF WORK. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PAINT BUILDING. ALL EXPOSED SURFACES OF BUILDING AND RAMPS SHALL BE PAINTED
- A. FOR EXTERIOR WOOD: SINCLAIR REF.BRAND DUNN KFIIY SHERWIN **FDWARDS** MOORE WILLIAMS 1240 Y24W20 B54WZ102 1240-XXX GE2-NXX QD-60-XX FINISH FOR INTERIOR TRIM KELLY SHERWIN SINCLAIR REF.BRAND DUNN MOORE WILLIAMS **FDWARDS** 40XX W450-XX 1650-XXX A26W11 FINISH

EXCEPT ALUMINUM WINDOW FRAMES, THRESHOLDS, AND ROOFING.

SHERWIN SINCLAIR KELLY REF.BRAND **EDWARDS** MOORE WILLIAMS B50NZ6 PRIMER 43-4 1710 1700-XXX B54WZ102 GE2-NXX 10-XX FINISH

C. FOR METAL

"CAL-GREEN" SECTION 5.504.4.3, AND V.O.C. LIMITS PER TABLE 5.504.4.3. ALL EXPOSED SURFACES SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES,

THRESHOLDS AND METAL ROOFING. MATERIAL SHALL BE OF THE GRADE SPECIFIED

D. INTERIOR PAINT & COATINGS SHALL COMPLY WITH TITLE 24, PART 11,

OR EQUAL. A. EXTERIOR WOOD SIDING, TRIM AND SKIRTING - FLAT OR SEMI-GLOSS LATEX. APPLY ONE COAT OF PRIME AND AT LEAST ONE FINISH COAT. PRIME COAT SHALL BE BRUSHED ON OR SPRAYED AND BACK BRUSHED INTO ALL GROOVES IN THE SIDING IE NECESSARY IN THE OPINION OF THE INSPECTOR AN EXTRA COAT SHALL BE APPLIED TO ALL GROOVES SO THAT THE FINISH COAT WILL HAVE A UNIFORM APPEARANCE. ALLOW PRIME COAT TO DRY ACCORDING TO

COMPATIBLE AND MANUFACTURED BY THE SAME COMPANY.

B. INTERIOR TRIM - TRIM NOT PRE-COATED SHALL BE PAINTED WITH TWO COATS OF SEMI-GLOSS LATEX OVER PRIMER. INTERIOR HARDWOOD CABINETS - TWO COATS LOW LUSTER POLYURETHANE

GALLON. APPLY SECOND COAT AS RECOMMENDED BY MANUFACTURER.

FINISH. APPLY FIRST COAT THINNED WITH ONE QUART MINERAL SPIRITS PER

MANUFACTURER'S RECOMMENDATION. PRIME AND FINISH COATS SHALL BE

FINISH COAT OVER ZINC CHROMATE OR EQUAL RUST INHIBITING PRIMER. E. RAMP - ONE COAT OF FERROX NON-SLIP (0.8 MIN. C.O.F.) SURFACING AS MANUFACTURED BY AMERICAN ABRASIVE METALS OR COMPARABLE. ALL PAINTS OF THE TYPE INDICATED SHALL BE LISTED ON THE STATE OF

CALIFORNIA QUALIFIED PRODUCTS LIST, OR EQUAL.

F. SUBMIT ONE SET OF COLOR SAMPLES TO THE RDPRC FOR EACH PRODUCT TO ASSIST IN SELECTION.

# INSPECTION

ON-SITE INSPECTION.

IN-PLANT INSPECTION AND MATERIAL TESTING SHALL BE ACCOMPLISHED UNDER THE SUPERVISION OF THE DISTRICT ARCHITECT. THE CONTRACTOR SHALL NOTIFY THE D. METAL - ALL METAL SURFACES SHALL BE PAINTED WITH TWO COATS OF ALKYD DISTRICT ARCHITECT, DSA, AND THE DESIGNATED INSPECTOR/INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK. THE MANUFACTURER SHALL PROVIDE UNDER THIS CONTRACT AND SHALL ADVISE THE INSPECTOR IN ADVANCE OF THE TIME AND PLACE OF OPERATIONS THAT THE INSPECTOR WANTS TO OBSERVE TAKE PLACE. BEFORE THE BUILDING(S) ARE REMOVED FROM THE PLANT FOR DELIVERY TO THE STORAGE FACILITY, OR FROM THE STORAGE FACILITY TO THE SITE, THE INSPECTOR SHALL DETERMINE THAT THEY ARE ACCEPTABLE AND ISSUE A WRITTEN RELEASE WHICH SHALL BE IN THE FORM OF A VERIFIED REPORT (FORM DSA 152-IPI).

STORAGE OR TO THE SITE. THE INSPECTOR SHALL PUT ONE COPY IN EACH BUILDING.

MEMBRANE SHALL BE DESIGNED TO PERFORM IN ALL TYPES OF WEATHER AND SHALL COMPLY TO ASTM D-2136 TESTING METHODS. MEMBRANE SHALL BE DESIGNED IN ACCORDANCE TO ASTM D-4434 "STANDARD

PLEASE RECYCLE 🖧

DATE

3/20/25

2101 CAPITOL AVENUE, SUITE 100 SACRAMENTO, CA 95816

916 368 7990 / www.hmcarchitects.com

△ **DESCRIPTION** ADDENDUM "A"

**KEYNOTES** 

**GENERAL NOTES** 

POET CHRISTIAN ELEMENTARY SCHOOL

POET CHRISTIAN ES - TK CLASSROOM

BELOW GRADE CONCRETE MIX DESIGN

1701 S CENTRAL AVE.

**TRACY, CA 95376** 

PROJECT:

SHEET NAME:

DATE: 04/03/24

REQUIREMENTS

DRAWN BY: AA AS NOTED MM/DD/YY

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2022 CBC PRE-CHECK (PC) DOCUMENT MANUFACTURER PROFESSIONAL OF RECORD ON PC

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XXXX-22

BELOW GRADE CONCRETE MIX

SHEET NUMBER:

SITE SPECIFIC PROJECT NAME

☐ OPTIONAL SITE-SPECIFIC CONCRETE MIX DESIGN REQUIREMENTS FOR BELOW GRADE NORMAL WEIGHT CONCRETE (1)

**EXPOSURE CATEGORY: FREEZING & THAWING (F)** 

(ACI 318-19, SECTION 19.3)

MAXIMUM

W/C RATIO

0.55

0.50

0.45

(4) 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 ATLEAST 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 ASTM 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)

> > MAXIMUM

W/C RATIO

0.55

**EXPOSURE CATEGORY: CORROSION PROTECTION OF REINFORCEMENT (C)** 

(ACI 318-19, SECTION 19.3)

MAXIMUM

W/C RATIO

EXPOSU

DISSOLVED SULFATE (SO<sub>4</sub><sup>2</sup>-)

IN WATER, PPM <sup>(3)</sup>

 $150 \le SO_4^{2-} < 1500$ 

OR SEAWATER

 $1500 \le SO_4^{2-} \le 10,000$ 

MAX AGGREGATE

SIZE (IN)

1" ± 1/4"

3/8"

1/2"

1" ± ¼"

**FOUNDATIONS** 

3500

3500

MINIMUM 28-DAY STRENGTH (f<sub>c</sub>')

MINIMUM 28-DAY STRENGTH (f<sub>c</sub>')

MINIMUM 28-DAY STRENGTH (f<sub>c</sub>')

**FOUNDATIONS** 

3500

4000

**FOUNDATIONS** 

5000

FOUNDATION VENTS

& ACCESS WELLS

4000

& ACCESS WELLS

& ACCESS WELLS /

TARGET AIR

CONTENT (%)

**CEMENTITIOUS MATERIALS** 

(CEMENT TYPE PER ASTM C150)

MAXIMUM WATER-SOLUBLE CHLORIDE ION (CI-)

CONTENT IN CONCRETE, PERCENT BY WEIGHT OF

AIR CONTENT

CEMENTITIOUS MATERIALS

(CEMENT TYPE PER ASTM C150)

I OR II

V PLUS FLYASH OR SLAG CEMENT<sup>(4)</sup>

ADDITIONAL REQUIREMENTS

NONE

MAXIMUM WATER-SOLUBLE CHLORIDE (ON (CI)

CONTENT IN CONCRETE, PERCENT BY WEIGHT OF

CEMENT

0.30

0.15

TARGET AIR

4.5 4.5 7.5

FOUNDATION VENTS / MAX AGGREGATE

SIZE (IN) <sup>(2)</sup>

3/8

(MOST RESTRICTIVE REQUIREMENTS FROM EXPOSURE TABLES BELOW)

(1) PROPORTIONING OF CONCRETE MIXTURES SHALL BE IN ACCORDANCE WITH ACI 318-19, SECTION 26.4.3.

CEMENT SHALL BE CENTIFIED PER TITLE 24, PART 2, SECTION 1910A.1.

SEE CONCRETE NOTES ON SHEET N1.0 FOR ADDITIONAL REQUIREMENTS.

STRENGTH (f'c)

DOCUMENTATION OF CONCRETE MIXTURE CHARACTERISTICS SHALL BE IN ACCORDANCE WITH ACI 318-14, SECTION 26.4.4.

(2) FOUNDATIONS HAVE BEEN RESIGNED FOR THE WORST CASE MIMINUM 28-DAY CONCRETE STRENGTH OF 3,500 PSI.

CONDITION

CONCRETE NOT EXPOSED TO

FREEZING-AND THAWING CYCLES

CONCRETE EXPOSED TO FREEZING-AND-THAWING

CYCLES WITH LIMITED EXPOSURE TO WATER

CONCRETE EXPOSED TO FREEZING-AND-THAWIN

EXPOSURE TO DEICING CHEMICALS

CONDITION

(3) CONCENTRATION OF DISSOLVED SULFATES IN WATER, IN PPM, SHALLY BE DETERMINED BY ASTM D516 OR ASTM D4130.

CONDITION

CONCRETE DRY IN SERVICE OR

CONCRETE IN CONTACT WITH WATER AND

LOW PERMEABILITY IS NOT REQUIRED

CONCRETE IN CONTACT WITH WATER AND

LOW PERMEABILITY IS REQUIRED

CONCRETE EXPOSED TO MOISTURE BUT NOT TO AN

EXTERNAL SOURCE OF CHLORIDES

CONCRETE EXPOSED TO MOISTURE AND AN EXTERNAL SOURCE OF CHLORIDES FROM DEICING CHEMICALS, SALT, BRACKISH WATER,

SEAWATER, OR SPRAY FROM THESE SOURCES

(1) EXPOSURE CLASS W1 15 ONLY REQUIRED IF CONCRETE IS BELOW THE GROUNDWATER TABLE.

CYCLES WITH FREQUENT EXPOSURE TO V

CYCLES WITH FREQUENT EXPOSURE TO W

BELOW GRADE MAXIMUM

CONCRETE ELEMENT W/C RATIO

FOUNDATIONS (2)

FOUNDATION VENTS

& ACCESS WELLS

**EXPOSURE** 

CLASS (1)

F2

**EXPOSURE** 

**EXPOSURE** 

CLASS

/ CLASS

W0

(1) IF EXPOSURE CLASS IS UNCERTAIN, F2 MAY BE ASSUMED.

(1) IF EXPOSURE CLASS IS UNKNOWN, S2 MAY BE ASSUMED.

(2) SEE CONCRETE NOTES ON SHEET N1.0 FOR MAX AGGREGATE SIZES.

SULFATE (SO<sub>4</sub><sup>2-</sup>) IN SOIL,

PERCENT BY MASS (2)

 $SO_4^{2-} < 0.10$ 

 $0.10 \le SO_4^{2-} < 0.20$ 

 $0.20 \le SO_4^{2-} \le 2.00$ 

 $SO_4^{2-} > 2.00$ 

(2) PERCENT SULFATE BY MASS IN SOIL SHALL BE DETERMINED BY ASTM C12/80.

PROJECT NO:

DESIGN REQUIREMENTS

CLIENT PROJ NO: 3595001000

PLEASE RECYCLE 🖧

4. IF THE OPTIONAL SITE-SPECIFIC CONCRETE MIX DESIGN REQUIREMENTS ARE UTILIZED, THE REPORT MUST BE REFERENCED ON THE COVER SHEET OF THIS DRAWING PACKAGE.

DEFAULT CONCRETE MIX DESIGN REQUIREMENTS FOR BELOW GRADE NORMAL WEIGHT CONCRETE (1)

SIZE (IN)

1" ± 1/4"

CEMENTITIOUS MATERIALS

CONCRETE ELEMENT W/C RATIO STRENGTH (f'c) (CEMENT TYPE PER ASTM C150) MAX AGGREGATE CONCRETE NOT EXPOSED TO

BELOW GRADE MAXIMUM 28-DAY

0.45

0.45

CEMENT SHALL BE CERTIFIED PER TITLE 24, PART 2, SECTION 1910A.1.

SEE CONCRETE NOTES ON SHEET N1.0 FOR ADDITIONAL REQUIREMENTS.

4500

PROPORTIONING OF CONCRETE MIXTURES SHALL BE IN ACCORDANCE WITH ACI 318-19, SECTION 26.4.3.

(2) FOUNDATIONS CONSERVATIVELY DESIGNED FOR A MIMINUM 28-DAY CONCRETE STRENGTH OF 3,500 PSI.

DOCUMENTATION OF CONCRETE MIXTURE CHARACTERISTICS SHALL BE IN ACCORDANCE WITH ACI 318-19, SECTION 26.4.4.

FOUNDATIONS (2)

FOUNDATION VENTS

& ACCESS WELLS

TARGET AIR CONTENT (%)

FREEZING-AND-THAWING CYCLES

N/A

CONCRETE EXPOSED TO

FREEZING-AND-THAWING CYCLES

SHEET NOTES: THE DEFAULT CONCRETE MIX DESIGN REQUIREMENTS MAY BE SELECTED AND USED TO DETERMINE THE CONCRETE MIX REQUIREMENTS FOR ANY SITE PER DSA IR PC-2 SECTION 5.5 OR PC-6 SECTION 5.5. 2. THE DEFAULT CONCRETE MIX DESIGN REQUIREMENTS MAY BE SELECTED REGARDLESS OF WHETHER A SITE SPECIFIC GEOTECHNICAL REPORT EXISTS FOR THE SITE. 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.

DATE

3/20/25

**KEYNOTES** 

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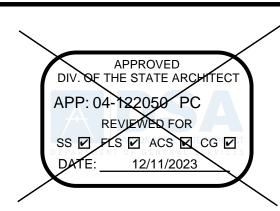
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SITE SPECIFIC PROJECT NAME

PLEASANT VIEW USD (1) 108' x 40' BUILDING





GENERAL NOTES

#### COORDINATION OF WORK

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

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).

#### MATERIALS AND WORKMANSHIP

- 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.
- ALL WORKMEN SHALL BE SKILLED AND QUALIFIED FOR THE WORK WHICH THEY PERFORM. ALL MATERIALS USED, UNLESS OTHERWISE SPECIFIED, SHALL BE NEW AND OF THE TYPES AND GRADES SPECIFIED. THE CONTRACTOR SHALL, IF REQUESTED, FURNISH EVIDENCE SATISFACTORY TO THE RDPRC THAT SUCH IS
- 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, THE CONTRACTOR SHALL PROMPTLY FURNISH TO THE DISTRICT INFORMATION RELATING TO THIS EMPLOYEE'S EXPERIENCE.
- 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 WORK REDONE IN ORDER TO CORRECT FAULTY MATERIALS OR WORKMANSHIP.

### GENERAL DESIGN REQUIREMENTS

- UP TO TEN (10) MODULES, APPROXIMATELY 12' x 40', DESIGNED SO THAT TWO (2) 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
- 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:
- A. MANUFACTURER'S NAME AND BUILDING SERIAL NUMBER. B. DESIGN WIND SPEED / EXPOSURE
- C. DESIGN SEISMIC S<sub>DS</sub> VALUE D. DESIGN ROOF LIVE LOAD & SNOW LOAD.
- E. DESIGN FLOOR LIVE LOAD F. D.S.A. APPLICATION NUMBER
- 2-TAGS PER MODULE: ONE ON EXTERIOR, AND ONE ON MODULE BEAM AT FRONT OF BUILDING ABOVE CEILING.
- 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.
- 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.
- 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.

## 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 AND CHALKRAIL WITH A MINIMUM OF 2 15/16" PROJECTION FROM THE FACE OF PANEL. HREE 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

FOR ANCHORAGE DETAIL, SEE DETAIL 8/A4.0.

REFERENCE BRANDS: CHATFIELD-CLARKE Co, Inc. SERIES 500 OR NELSON ADAMS Co. NACO SERIES 60.

# **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.

#### **INTERIOR**

- FLOOR COVERING: PER CBC SECTION 804, COMPLY WITH NFPA 253 CLASS I OR II. COMPLY WITH ASTM E 648 FOR SPECIFIC OPTICAL DENSITY SMOKE RATING NOT TO EXCEED 450. IN EXIT PASSAGEWAYS OR CORRIDORS, THE MINIMUM CRITICAL RADIANT FLUX (CBC 804.4.2) SHALL NOT BE LESS THAN CLASS II. (CARPET SHALL BE SECURELY ATTACHED, HAVE FIRM CUSHION, PAD OR BACKING, OR NONE AT ALL. PILE YARN SHALL BE BRANDED NYLON AND HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL-CUT PILE OR LEVEL-CUT/UNCUT PILE TEXTURE. THE MAXIMUM PILE HEIGHT SHALL BE 1/2" INCH. NO CROSS SEAMS SHALL BE ALLOWED. THE CARPET DENSITY SHALL BE 4600 MINIMUM. CARPET EDGE TRIM SHALL COMPLY WITH SECTION 11B-303. COLOR TO BE SELECTED BY THE RDPRC OR OWNER.)
- BASE: RESILIENT COVE BASE BEST QUALITY, MOULDED RUBBER, 1/8" THICK, 4" HIGH MOULDED TOP SET COVE. PROVIDE PREFORMED BASE FOR SQUARE EXTERNAL CORNERS AND PREFORMED END STOPS WHERE BASE DOES NOT ABUT. SOLID COLOR AS MANUFACTURE BY "JOHNSONITE CO.", FLEXCO, OR EQUAL. APPLY COVE TO COMPLETE PERIMETER OF CLASSROOM.
- INTERIOR WALLS SHALL BE VINYL COVERED TACKBOARD (U.O.N.) APPLIED IN ONE CONTINUOUS LENGTH FROM FLOOR TO CEILING. THE TACKBOARD SHALL BE INDUSTRIAL INSULATION BOARD MANUFACTURED SPECIFICALLY AS A SUBSTITUTE FOR VINYL COVERED WALL PANELS. THE BOARD SHALL BE ASPHALT FREE, SHALL HAVE AN IRONED-ON COATING AND SHALL HAVE A MINIMUM DENSITY OF 18 LBS. PER FOOT. THE VINYL COATING SHALL BE MADE OF VIRGIN VINYL CALENDERED BASE COLOR, WEIGHING A MINIMUM OF 8 OZ. PER SQUARE YARD. THE COATING BACKING SHALL BE SHEETING OR NON-WOVEN FABRIC. THE VINYL COATING SHALL BE MECHANICALLY LAMINATED, WITH THE LONG EDGES WRAPPED, TO THE TACKBOARD. TACKBOARD SHALL BE APPLIED OVER 1/2" SHEETROCK OR OSB SHEATHING. THE VINYL WALL COVERED PANEL SHALL HAVE A CLASS 'C' RATING (PER ASTM E 84 OR UL 723). FLAME SPREAD/SMOKE DEVELOPED INDEX MAXIMUMS PER NOTE #6 BELOW. THE PANEL SHALL BE APPROVED FOR CLASSROOM USE BY THE CALIFORNIA STATE FIRE MARSHAL. REFERENCE BRAND: VINYL COVERED TACKBOARD AS MANUFACTURED BY CHATFIELD-CLARKE OR COMPARABLE. CARE SHALL BE TAKEN IN MOUNTING THE TACKBOARD SO THAT THE TEXTURE OF ALL PANELS WILL HAVE THE SAME ORIENTATION AND COLOR MATCH. TACKBOARD FLAME SPREAD: 126.6 & SMOKE DEVELOPMENT: 45
- CEILING: SUSPENDED T-BAR SYSTEM, SEE SHEET M1.4 FOR DETAILS, MATERIALS AND INSTALLATION PER ASTM C635, ASTM C636, ASTM E580, AND DSA-IR 25-2.13 AS APPLICABLE TO CLASSROOMS. PANELS SHALL BE 5/8" MINIMUM THICK, MINERAL FIBERBOARD OR VINYL-FACED FIBERGLASS LAY-IN PANELS. SQUARE EDGE. LIGHT REFLECTION 75% MINIMUM. NOISE REDUCTION COEFFICIENT OF 0.65 MINIMUM. ASTM E 84 TESTED, RATED CLASS 'C': FLAME SPREAD INDEX NOT TO EXCEED 200. SMOKE DEVELOPED INDEX RATING NOT TO EXCEED 450.
- 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") FLAME SPREAD/SMOKE-DEVELOPED INDEX (TESTED IN ACCORDANCE WITH ASTM E

84 OR UL 723, PER CBC 803.1.1): WALL FINISH MATERIAL (CLASS 'C') PIPE INSULATION (CLASS 'A') FLAME SPREAD MAX = 200 FLAME SPREAD MAX = 25 SMOKE DEVELOPED MAX = 450 SMOKE DEVELOPED MAX = 450 **DUCT INSULATION (CLASS 'A') BUILDING INSULATION (CLASS 'A'** FLAME SPREAD MAX = 25 AME SPREAD MAX = 25

SMOKE DEVELOPED MAX = 450 SMOKE DEVELOPED MAX = 50 TOILET PARTITIONS: SOLID PLASTIC BY ACCURATE PARTITIONS CORP. OR EQUIVALENT w/ FLOOR ANCHORS, OVERHEAD BRACED OR EQUIVALENT. MINIMUM FLAME SPREAD RATING: 50. MINIMUM SMOKE

DEVELOPMENT RATING: 450. (BY OTHERS)

INTERIOR VENTILATION: EAVE VENTS AND ATTIC VENTS SHALL BE PROVIDED WITH CORROSION-RESISTANT WIRE CLOTH SCREENING, HARDWARE CLOTH, PERFORATED VINYL OR SIMILAR MATERIAL WITH OPENINGS HAVING A LEAST DIMENSION OF NOT LESS THAN 1/16" AND NOT MORE THAN 1/4" INCH, PER C.B.C. SECTION 1202.2.2.

### **DOORS & WINDOWS**

- EXTERIOR DOORS: METAL DOORS 3'-0"x7'-0" HOLLOW METAL DOOR CONSTRUCTION OF 1 SHEET OF 18 GA. GRADE II STEEL ASSEMBLED PER CS242 MINIMUM, AND REINFORCED WITH 20 GA. MINIMUM. FILL DOOR SPACES WITH MINERAL WOOL OR OTHER INSULATION. (REINFORCE BOTH FACES FOR CLOSURE.) PROVIDE FLUSH TOP ON DOORS. HARDWARE REINFORCEMENT SHALL BE 10 GA. MIN FOR HINGES, DOOR FRAME SHALL BE 16 GA. PRESSED STEEL FRAME ASTM A366 & C5242. HARDWARE REINFORCEMENT SHALL BE 10 GA. PLATE. FRAMES SHALL BE DESIGNED WITH INTEGRAL STOP AND TRIM. PROVIDE (3) ANCHORS PER JAMB PLUS ADJUSTABLE FLOOR ANCHOR. ROOMS WITH AN OCCUPANT LOAD OF FIVE OR MORE SHALL HAVE DOOR HARDWARE CAPABLE OF BEING LOCKED FROM THE INSIDE (PER CBC 1010.1.11).
- EXTERIOR WINDOWS: PROVIDE ANODIZED ALUMINUM FRAME 5/8" MINIMUM DUAL PANE WINDOW UNITS, AS SHOWN ON FLOOR PLANS. THE 5/8" DIMENSION IS THE MINIMUM THICKNESS FOR THE DUAL GLAZED WINDOW PANEL CONSISTING OF TWO LITES OF GLASS AND THE AIR SPACE.
- GLAZING MATERIAL SHALL BE: 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. INTERIOR LITE - 1/8" MINIMUM CLEAR TEMPERED. MINIMUM AIR SPACE SHALL BE 1/4" SPACE - BENT OR SEALED CORNER ALUMINUM WITH DESICCANT FILL SEALER - BUTYL PRIMARY SEAL AND POLYSULFIDE OR SILICONE SECONDARY SEAL. CERTIFICATION - ALL GLAZING TO BE CERTIFIED IN ACCORDANCE WITH ASTM E-773, E-774.
- HEADER HEIGHT SHALL BE THE SAME AS THE DOOR. ALL OPERABLE SASH SHALL HAVE ALUMINUM SCREENS, WINDOWS SHALL NOT BE MOUNTED TO THE EXTERIOR OSB SURFACE. ALL WINDOWS SHALL MEET THE AAMA GS101-88 VOLUNTARY SPEC. FOR ALUMINUM PRIME WINDOWS AND SLIDING GLASS (ANS1), COMMERCIAL GRADE WINDOWS TO MATCH WHAT IS REQUIRED BY ENERGY REPORT. IF WINDOWS MUST

BE NFRC RATED THAN NFRC LABELS SHALL BE LEFT ON THE WINDOWS FOR THE

# MECHANICAL EQUIPMENT PROTECTION

INSPECTOR TO VERIFY.

ALL MECHANICAL EQUIPMENT SHALL BE THOROUGLY CLEANED PROGRESSIVELY DURING CONSTRUCTION AND COMPLETION OF THE JOB. ALL OPEN ENDS OF DUCTWORK AND EQUIPMENT SHALL BE COVERED AT END OF EACH WORK DAY AND DURING SHIPMENT OF RELOCATABLE BUILDINGS

### FOUNDATION CLEARANCES FROM SLOPES

CBC 1808A.7.1 BUILDING CLEARANCE FROM ASCENDING SLOPES. IN GENERAL, BUILDINGS BELOW SLOPES SHALL BE SET A SUFFICIENT DISTANCE FROM THE SLOPE TO PROVIDE PROTECTION FROM SLOPE DRAINAGE, EROSION AND SHALLOW FAILURES. EXCEPT AS PROVIDED IN SECTION CBC 1808A.7.5 AND FIGURE CBC 1808A.7.1, THE FOLLOWING CRITERIA WILL BE ASSUMED TO PROVIDE THIS PROTECTION. WHERE THE EXISTING SLOPE IS STEEPER THAN ONE UNIT VERTICAL IN ONE 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 THE HORIZONTAL. WHERE A RETAINING WALL IS CONSTRUCTED AT THE TOE OF THE SLOPE, THE HEIGHT OF THE SLOPE SHALL BE MEASURED FROM THE TOP OF THE WALL TO THE TOP OF THE

CBC 1808A.7.2 FOUNDATION SETBACK FROM DESCENDING SLOPE SURFACE FOUNDATIONS ON OR ADJACENT TO SLOPE SURFACES SHALL BE FOUNDED IN FIRM MATERIAL WITH AN EMBEDMENT AND SET BACK FROM THE SLOPE SURFACE SUFFICIENT TO PROVIDE VERTICAL AND LATERAL SUPPORT FOR THE FOUNDATION WITHOUT DETRIMENTAL SETTLEMENT. EXCEPT AS PROVIDED FOR IN SECTION CBC 1808A.7.5 AND FIGURE CBC 1808A.7.1, THE FOLLOWING SETBACK IS DEEMED ADEQUATE TO MEET THE CRITERIA. WHERE THE SLOPE IS STEEPER THAN 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

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

### ACCESSIBILITY STANDARDS

REFERENCE: 2022 CALIFORNIA BUILDING CODE (TITLE 24, PART 2, CCR), CHAPTER 11B "ACCESSIBILITY TO PUBLIC..."

SECTION 11B-206.2 BUILDING ACCESSIBILITY, GENERAL AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ALL BUILDINGS, ELEMENTS, AND AREAS, AND EACH FLOOR INCLUDING MEZZANINES.

ALSO REFER TO SECTIONS 11B-703, 1009.9, 1009.10, 1023.9) SIGNAGE IS REQUIRED:

- TO IDENTIFY PERMANENT ROOMS & SPACES TO PROVIDE DIRECTIONS AND INFORMATION ABOUT SPACES & FACILITIES TO IDENTIFY MEANS OF EGRESS
- A. AREAS OF REFUGE AND AREA FOR ASSISTED RESCUE (PER 1009.9 AND B. DIRECTIONS TO AN EXIT (PER 1009.10) C. DELAYED EGRESS LOCKS (PER 1010.1.9.7 ITEM 6)
- AT EACH GRADE LEVEL EXTERIOR EXIT DOOR AT AN EXIT BY MEANS OF A STAIRWAY OR RAMP ("EXIT STAIR DOWN" OR "EXIT RAMP DOWN") AT AN EXIT ROUTE VIA ENCLOSURE, PASSAGEWAY, CORRIDOR,
- HALLWAY, ETC. OTHER HORIZONTAL WAYS WHERE THE EXIT OR EXIT PATH IS NOT **IMMEDIATELY VISIBLE (PER 1013.1)**
- . TO IDENTIFY ACCESSIBLE PARKING SPACES TO IDENTIFY ENTRANCES OR ROUTE TO AN ACCESSIBLE ENTRANCE TO IDENTIFY ELEVATORS

D. EXIT WAYS (PER 1013.4)

- TO IDENTIFY TOILET ROOMS 3. TO IDENTIFY PUBLIC TELEPHONES, TTY and ASSISTIVE LISTENING SYSTEMS
- SIGNS, WHERE LOCATED WITHIN AN ACCESSIBLE ROUTE, MOUNTED LESS THAN 80" ABOVE THE FINISHED FLOOR, MUST HAVE ROUNDED EDGES OR AN EASED RADIUS MINIMUM OF 0.125".

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°

FROM THE LATCH. SECTION 11B-404.2.9 DOOR OPENING FORCE

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.

SECTIONS 11B-404.2.4.3 RECESSED DOORS DOORS RECESSED 8" OR MORE SHALL HAVE STRIKE EDGE CLEARANCES IN ACCORDANCE WITH FIGURE 11B-404.2.4.3.

I. THE CLEAR WIDTH OF A RAMP SHALL BE 48" MINIMUM.

THE TOP OF THE GRIPPING SURFACE OF HANDRAILS SHALL BE BETWEEN 34" AND

38", MEASURED VERTICALLY FROM WALKING SURFACES AND STAIR NOSINGS. HANDRAILS SHALL HAVE AT LEAST 1-1/2" CLEARANCE ALONG THE SIDE; MAX. 20% OBSTRUCTIONS ON THE BOTTOM (11B-505.6). HANDRAILS SHALL EXTEND BEYOND, AND IN THE SAME DIRECTION, OF STAIRS

SECTION 11B-606.4 WATER CONTROLS 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. THE FORCE REQUIRED TO OPERATE CONTROLS SHALL NOT EXCEED 5 LBS.

SECTION 11B-604 TOILET ROOMS AND BATHING ROOMS 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.

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). FXCEPT 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. 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.

TABLE 11B-604.9 SUGGESTS DIMENSIONS FOR CHILDREN'S USE. TOILET ACCESSORIES LOCATED IN THE CIRCULATION PATH AND WITH THE BOTTOM MOUNTED ABOVE 27" SHALL BE 4" DEEP MAX (11B-307.2).

OUTDOOR VENTILATION REQUIREMENTS

CLASSROOMS ARE DESIGNED FOR MINIMUM OUTSIDE AIR OF 0.38 CFM PER SF. PER 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 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.

FIG. 1808A.7.1 FACE OF /STRUCTURE AT LEAST THE SMALLER OF H/3 AND 40 FFFT AT LEAST THE SMALLER OF H/2 AND 15 FEET FOR SI: 1 FOOT=304.8 MM.

### LIGHT GAUGE METAL STUDS & COLD FORMED STEEL

- ALL LIGHT GAUGE METAL STUDS & COLD FORMED STEEL SHALL BE FORMED FROM STEEL THAT CORRESPONDS TO THE MINIMUM REQUIREMENTS OF THE AISI S100-16. ALL GALVANIZED STUDS, JOISTS, TRACK, BRIDGING AND ACCESSORIES SHALL BE
- REQUIREMENTS OF ASTM A653. CUSTOM FORMED SHAPES SHALL BE BENT FROM ASTM A1011 SS STEEL SHEETS. STUD AND TRACK DESIGNATIONS ARE BASED ON STEEL STUD MANUFACTURERS ASSOCIATION. ICC-ES EVALUATION REPORT ESR-3064P.

GALVANIZED FRAMING PRODUCTS SHALL BE COATED IN ACCORDANCE WITH AISI

EQUIVALENT COATING IF SPECIFIED, AND SHALL BE IN CONFORMANCE WITH ASTM C-955, OTHERWISE, G-90 OR EQUIVALENT COATING WILL BE PROVIDED.

WELDING OF LIGHT GAUGE METAL STUDS & COLD FORMED STEEL SHALL

S240-20, SECTION 20 A4. PRODUCTS WILL BE FURNISHED WITH A G-60 OR

FORMED FROM STEEL HAVING A GALVANIZED COATING MEETING THE

COMPLY WITH AWS D1.3-08. ALL COLD-ROLLED MEMBERS FABRICATED BY AMS SHALL USE HOT-ROLLED SHEETS WITH THE FOLLOWING MIN. SPECIFICATIONS UNLESS NOTED OTHERWISE

ON THE D	DRAWINGS.		
GA	MATERIAL	DESIGN THICKNESS	MIN. THICKNESS
20	A1011 SS Gr. 36	0.0346"	0.0329"
18	A1011 SS Gr. 36	0.0451"	0.0428"
16	A1011 SS Gr. 50	0.0566"	0.0538"
14	A1011 SS Gr. 45	0.0713"	0.0677"
12	A1011 SS Gr. 45	0.1017"	0.0966"
10	A1011 SS Gr. 50	0.1345"	0.1278"

METAL FLOOR DECK SECTION PROPERTIES SHALL BE DERIVED IN ACCORDANCE WITH AISI,

ASPHALT CONCRETE

AMERICAN CONCRETE INSTITUTE

ADJUSTABLE OR ADJACENT

AMERICAN WOOD COUNCIL

AMERICAN WELDING SOCIETY

AMERICAN WOOD PROTECTION

AMERICAN INSTITUTE OF STEEL

AMERICAN NATIONAL STANDARDS

AMERICAN PLYWOOD ASSOCIATION

AMERICAN SOCIETY FOR TESTING AND

AMERICAN IRON AND STEEL INSTITUTE

AIR CONDITIONING

ACOUSTICAL

ADDENDUM

ADDITIONAL

ALTERNATE

ALUMINUM

INSTITUTE

MATERIALS

ASSOCIATION

BUILDING

BLOCKING

BOUNDARY NAILING

**BUILT UP ROOFING** 

CALIFORNIA BUILDING CODE

CALIFORNIA CODE OF REGULATIONS

COMMUNITY NOISE EQUIVALENT LEVEL

DRINKING FOUNTAIN OR DOUGLAS FIR

DIVISION OF THE STATE ARCHITECT

**ELECTRICAL MAGNETIC TUBING** 

EDGE NAILING (OR EDGE FASTENING)

COMPLETE JOINT PENETRATION

CONCRETE MASONRY UNIT

BLOCK

BELOW

BEARING

BETWEEN

CABINET

CEMENT

CEILING

CLEAR

CATCH BASIN

CUBIC FOOT

CERAMIC TILE

**CLEAN OUT** 

CONCRETE

CONNECTION

COUNTERSINK

CONTINUOUS

CENTERED

DOUBLE

DIAMETER

DIAGONAL

DIVISION

DRAWING

EXISTING

ELEVATION

ELECTRICAL

**EMBEDMENT** 

ET CETERA

EQUAL

EACH WAY

**EXTERIOR** 

**FUTURE** 

FACTORY

FACE OF

FACE OF CONCRETE

**EXPOSURE** 

FAHRENHEIT

**FABRICATION** 

FLOOR DRAIN

**EXPANSION JOINT** 

DIMENSION

DOWNSPOU

DETAIL

COLD WATER

COLUMN

**CONTROL JOINT** 

BEAM

BOT/BOTT BOTTOM

CONSTRUCTION

ARCHITECT(URAL)

ACOUS

ADD'L

ALUM

ANSI

ASTM

BLDG

BI W

BTWN

CONC

CONN

CONT

CTRD

ELECT

**EMBED** 

SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, LATEST EDITION." METAL DECKING IS TO BE ATTACHED TO THE STRUCTURAL FRAME IN

CONFORMANCE WITH AWS D1.1 AND D1.3, "SPECIFICATION FOR WELDING SHEET STEEL IN STRUCTURES." ABBREVIATION LEGEND ACCESSIBLE FOCOL FACE OF COLUMN

FOF

FOP

FOS

FTG

**FURR** 

GYP

HDR

HF

НМ

HT

HW

INSUL

LAM

LAV

LLV

LNDG

LONG

LW

MATL

MECH

MFG

MIR

MM

MTL

NW

OL

OPG

OPP

OSB

PLAM

PLAS

PLF

PLT

MISC

MAX

LB, LBS

HVAC

HDW

FRP

FACE OF FINISH

FACE OF STUD

FURRED (-ING)

GYPSUM BOARD

GLASS OR GLAZING

GALVANIZED SHEET METAL

HOLLOW METAL (STEEL)

HOLLOW STRUCTURAL SECTION (STEEL)

INTERNATIONAL ASSOCIATION OF

INTERNATIONAL CODE COUNCIL

INTERPRETATION OF REGULATIONS

KIPS PER SQUARE INCH (KIPS = 1,000LBS)

INTERNATIONAL SYMBOL OF

ACCESSIBILITY/ACCESS

LONG LEG HORIZONTAI

LIGHT WEIGHT CONCRETE

LONG LEG VERTICAL

HEATING VENTILATING AIR CONDITIONING

PLUMBING AND MECHANICAL OFFICIALS

FOOTING

GAUGE

GYPSUM

HOSE BIBB

HEADER

HEM FIR

HEIGHT

INCH

INTERIOR

INVFRT

JOINT

LAMINATE(D

LAVATORY

POUND

I ANDING

LIGHT

LONGITUDINAL

LIGHT WEIGHT

MECHANICAL BOLT

MANUFACTURING

MANUFACTURER

MISCELLANEOUS

NOT IN CONTRACT

NORMAL WEIGHT

**OUTSIDE DIAMETER** 

OCCUPANT LOAD

PROPERTY LINE

PLASTIC LAMINATE

NATIONAL DESIGN SPECIFICATION

NORMAL WEIGHT CONCRETE

OPPOSITE HAND OR OVERHANG

ORIENTED STRAND BOARD

POUNDS PER LINEAR FOOT

POWER-ACTUATED FASTENER

MILLIMETER

MATERIAL

MAXIMUM

MINIMUM

MIRROR

OVER

ON CENTER

OPENING

OPPOSITE

PLASTER

PLATE

PLWD/PLY PLYWOOD

MECHANICAL

LAG SCREW

HOR/HORIZHORIZONTAL

HOLLOW CORE

HARDWOOD

HOT WATER

INSIDE DIAMETER

INSULATE (D), (ION)

GYP.BD. GYPSUM BOARD

GLV/GALV GALVANIZED

FACE OF PLYWOOD

FIBERGLASS REINFORCED PLASTIC PANELS

## METAL FLOOR DECK (CONTINUED)

- ASTM REFERENCE NUMBERS: ASTM A653, STEEL SHEET, ZINC-COATED (GALVANIZED) OR ZINC-IRON ALLOY-COATED (GALVANEALED) BY THE HOT-DIP PROCESS STRUCTURAL (PHYSICAL) QUALITY.
- STEEL DECK INSTITUTE (SDI)-METAL FLOOR DECK PROFILES SHALL BE IN CONFORMANCE WITH SDI STANDARDS.
- METAL FLOOR DECK TO BE ASC STEEL DECK PER IAPMO ER-0329:
- 1.1. BH-36, 18 GAUGE,  $1\frac{1}{2}$ " DEEP x 36" WIDE 1.2. 3WxH-36, 18 GAUGE, 3" DEEP x 36" WIDE DECK UNITS ARE TO BE FABRICATED FROM SHEET STEEL CONFORMING TO:

1.1. ASTM A653 SS,  $F_Y$ =50 KSI WITH A GALVANIZED COATING, G-60 OR G-90.

#### FASTENERS FOR ATTACHMENT TO STEEL

COATING PER ICC ESR-1976.

- SCREWS FOR STEEL TO STEEL & WOOD TO STEEL CONNECTIONS SHALL BE SELF-DRILLING, SELF-TAPPING SCREWS (SDSTS) PER ASTM C1513, UNO.
- 1.1 HEAD TYPE AS REQUIRED FOR APPLICATION. 1.2 SCREW LENGTHS TO HAVE 3 EXPOSED THREADS MIN. 1.3 CORROSION PROTECTION: INTERIOR USE SCREWS AND SCREWS THAT ARE
- PLATED MIN, UNO. EXTERIOR USE SCREWS THAT ARE EXPOSED TO THE OUTSIDE ENVIRONMENT SHALL BE ONE OF THE FOLLOWING, UNO: A. ITW BUILDEX TEKS SELF-DRILLING TAPPING SCREWS WITH CLIMASEAL

RISER

REQ'D/REQ REQUIRED

ROOF DRAIN

REDWOOD

RESILIENT

REDWOOD

SECTION

SHEET

SIMII AR

SEPARATION

SHEATHING

SQUARE FEET

REFERENCE

REINFORCING

REFRIGERATOR

RESPONSIBLE CHARGE

RAIN WATER LEADER

SCHEDULE

SHEET METAL SCREW

STRUCTURAL PLYWOOD

SELF TAPPING SCREW

TONGUE AND GROOVE

TOP AND BOTTOM

TOP OF PARAPET

TOP OF SHEATHING

UNLESS OTHERWISE NOTED

UNLESS NOTED OTHERWISE

VINYL COMPOSITION TILE

VINYL COVERED TACKBOARD

VOLATILE ORGANIC COMPOUND(S)

STEEL STUD MANUFACTURERS

SELF TAPPING SHEET METAL SCREW

TOP OF CURB, CRICKET, OR CONCRETE

TOP OF SLAB, SHEATHING, OR STEEL

SLAB-ON-GRADE

SPECIFICATIONS

STAINLESS STEE

ASSOCIATION

STAGGERED

STANDARD

TEMPERED

THROUGH

TOOL JOINT

TOP OF WALL

TRANSVERSE

TELEVISION

TYPICAL

VERTICAL

WOOD

WINDOW

WITHOUT

WAINSCOT

ANGLE

WIDE FLANGE

WOODSCREW

CENTER LINE

MODULE LINE

PLUS/MINUS

DIAMETER

DEGREES

VERIFY IN FIELD

VINYL WALL COVERING

WELDED WIRE FABRIC

STAIN

STEEL

STORM DRAIN

REGISTERED DESIGN PROFESSIONAL IN

SELF-DRILLING, SELF-TAPPING SCREW

PROTECTED FROM THE OUTSIDE ENVIRONMENT SHALL BE ELECTRO-ZINC

- B. HILTI SELF-DRILLING AND SELF-PIERCING TAPPING SCREWS WITH KWIK-COTE COATING PER ICC ESR-2196. C. GRABBER SELF-DRILLING TAPPING SCREWS WITH GRABBERGARD
- COATING PER ICC ESR-1271. SHOT PINS SPECIFIED FOR PLYWOOD DIAPHRAM TO LIGHT GAUGE STEEL
- CONNECTIONS SHALL BE ET&F PINS PER IAPMO UES REPORT ER-0335. SHOT PINS FOR ATTACHMENT OF 2X WOOD OR LIGHT GAUGE STEEL MEMBERS TO STRUCTURAL STEEL OR CONCRETE SHALL BE BY HILTI UNO.

RD

RFF

RFFR

RFINE

RES

RDWD

SDSTS

SHTG

SSMA

STAGG

STN

STD

STL

STS

STSMS

TEMP

THRU

TOP

TOS

TOW

TS

TYP

UON

VCTB

VERT

VOC

VFY

VWC

WSCT

**TRANS** 

SEP

SCH/SCHED

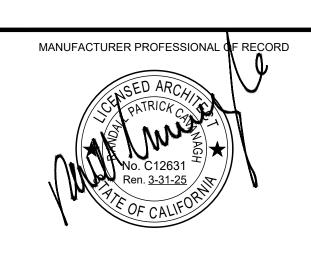
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$\triangle$ 1			
2			
$\sqrt{3}$			
4			
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SCALE:	AS NOTED		
DATE:	06/20/2023		

SHEET TITLE: **SPECIFICATIONS** 

SHEET NUMBER:

PROJECT NO: 1715-22

**GENERAL NOTES** 

POET CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE.

PROJECT: POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME: **GENERAL NOTES & SPECIFICATIONS** 

DATE: 04/03/24 CLIENT PROJ NO: 359500100

FINISHED FLOOR FINISHED GRADE FLAT HEAD WOOD SCREW FLOOR FLSHG FLASHING FIELD NAILING FND/FNDN FOUNDATION

PNL PANFI POC POINT OF CONNECTION PRODUCT STANDARD POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PARALLEL STRAND LUMBER PSL PRESSURE TREATED

PRESERVATIVE TREATED DOUGLAS FIR PTDF PTN PARTITION PVC POLYVINYL CHLORIDE

**TRACY. CA 95376** 

PLEASE RECYCLE

\*ADDITIONAL DOORS MAY BE REQUIRED BASED ON BUILDING LAYOUT.

EMERGENCY EXIT AND PANIC HARDWARE

LOCKDOWN:

INTERIOR TEACHERS' MANUAL LOCK FOR CAMPUS LOCK DOWN CRITERIA - REQUIRED FOR STATE-FUNDED SCHOOLS, PER EDUCATION CODE SECTION 17075.50 (AND ALSO CBC 1010.1.11): PROVIDE LOCKS THAT ALLOW DOORS TO CLASSROOMS AND ANY ROOM WITH AN OCCUPANCY OF FIVE OR MORE PERSONS TO BE LOCKED FROM THE INSIDE. LOCKS SHALL COMPLY WITH

DOOR HARDWARE SCHEDULE

N3.0
ADDENDUM "A"

PLEASE RECYCLE 🖧

IDENTIFICATION STAMP

ADDENDUM "A"

PLEASE RECYCLE 🗟

B CZ03 Oakland CZ04 San Jose-Reid

CZ05 Santa Maria
CZ06 Torrance

CZ11 Red Bluff CZ12 Sacramento CZ13 Fresno CZ14 Palmdale

B CZ03 Oakland CZ04 San Jose-Reid

CZ10 Riverside

CZ07 San Diego-Lindbergh

CZ07 San Diego-Lindbergh





**HMC** Architects

3595001000

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916 368 7990 / www.hmcarchitects.com

△ **DESCRIPTION** 

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24' x 40' THRU 120' x 40'

STANDARD MODULAR BUILDING

(LOW SEISMIC)

APPROVED

DIV. OF THE STATE ARCHITECT

REVIEWED FOR

APP: 04-122050 PC

PRE-CHECKED SET NAME

SITE SPECIFIC PROJECT NAME

A ADDENDUM "A"

DATE

3/20/25

**KEYNOTES** 

**GENERAL NOTES** 

POET CHRISTIAN ELEMENTARY SCHOOL

POET CHRISTIAN ES - TK CLASSROOM

**ENERGY CALCULATIONS SUMMATION SHEET** 

CLIENT PROJ NO: 3595001000

CZ Climate	Roof Rigid R- Grour	Metal Stud nd Floor Wall	d Window	Window	Air Barrier Cool F	Roof COSenso	sor FC-1	Number of	of OSA per FC-1	FC-2	Number of OSA per Fo	-C-2 Design PV			Title 24-20	022, Part 6, En					Title 24-2	022, Part 6, Energy Co	le			Title 24-20	022, Part 6, Energ	jy Code					22, Part 6, Ener	ergy Code		
Group Zone Reference City  CZ01 Arcata	value <sup>1</sup> R-v R-15 ci R	alue <sup>2</sup> R-value <sup>3</sup> -5 ci R-5 ci	U-factor <sup>4</sup>	SHGC <sup>4</sup> 0.25	(Y/N ) (Y/N Y N	N) (Y/N)	Unit Type⁵ W42HC	FC-1 Units <sup>6</sup>	s <sup>6</sup> (cfm) <sup>7</sup> 364.8	Unit Type <sup>5</sup> F	FC-2 Units <sup>6</sup> (cfm) <sup>7</sup> 0 na	7 (kW DC) 0.0		Model Name and Option Total Floor Area	960	Calcu		of Energy Report: DSA Application:	9/3/2023	Model Name and Option Total Floor Area	a: 1440	Calculation Da	e/Time of Energy Report: DSA Application:	9/3/2023	Model Name and Option: Total Floor Area:	1920	Calculation	on Date/Time of Ener DSA	gy Report: pplication:	9/3/2023	Model Name and Option Total Floor Area	2400	Calcula	lation Date/Time of E	of Energy Report: DSA Application:	9/3/2023
CZ16 Blue Canyon  CZ02 Santa Rosa  CZ03 Oakland  CZ04 San Jose-Reid	R-5 ci	na R-5 ci	0.42	0.25	Y N	N	W42HC	1	364.8	na	0 na	0.0	CZ Group	HVAC System Type Climate Zone 16 Blue Canyon	VSHP Metric	Standard Design	Proposed Design	Margin	Worst Case	CZ Climate Zone 16 Group Blue Canyon	e: VSHP Metric		osed Margin V	Worst Case	CZ Climate Zone 16 Group Blue Canyon	: VSHP Metric	Standard Design	Proposed N	argin W	orst Case	CZ Climate Zone 16 Group Blue Canyon	vsHP  Metric	Standard Design	Proposed Design	Margin	Worst Case
CZ05 Santa Maria CZ06 Torrance CZ07 San Diego-Lindberg														30°	TDV-E TDV-T	289.3 289.3	248.3 248.3	40.9 40.9		30°	TDV-E TDV-T	279.4 23 279.4 23	0.9 48.5 0.9 48.5		30°	TDV-E TDV-T	267.2 267.2	221.6	45.6 45.6		30°	TDV-E TDV-T	263.0 263.0	221.7 221.7	41.3 41.3	
CZ08 Fullerton CZ09 Burbank-Glendale CZ10 Riverside	R-5 ci	na R-5 ci	0.42	0.25	Y N	N	W42HC	1	364.8	na	0 na	0.0			SOURCE TDV-E	39.0 295.8	23.7 249.3	15.3 46.6			SOURCE TDV-E		1.3 59.9			SOURCE TDV-E	34.0 277.2	223.4	13.1 53.8			SOURCE TDV-E	33.4 275.0	20.5 224.0	12.9 51.0	
CZ11 Red Bluff CZ12 Sacramento														75°	TDV-T SOURCE	295.8 39.2	249.3 23.8	46.6 15.4		75°	TDV-T SOURCE	36.7 2			75°	TDV-T SOURCE	277.2 34.5 268.7	21.1	53.8 13.4		75°	TDV-T SOURCE	275.0 33.8 262.7	224.0 20.7 223.3	51.0 13.1	
CZ13 Fresno  CZ14 Palmdale  CZ15 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°	TDV-E TDV-T SOURCE	291.8 291.8 39.0	249.2 249.2 23.8	42.6 42.6 15.2		120°	TDV-E TDV-T SOURCE	278.0 23 278.0 23 35.9 2	0.1 47.8		120°	TDV-E TDV-T SOURCE	268.7 268.7 34.1	223.4	45.3 45.3 13.0		120°	TDV-E TDV-T SOURCE	262.7 262.7 33.2	223.3 223.3 20.6	39.4 39.4	
,,					AMS 36x40	)		-						165°	TDV-E TDV-T	275.6 275.6	247.9 247.9	27.7	Worst Case Worst Case	165°	TDV-E TDV-T	269.3 22 269.3 22	7.8 41.4 7.8 41.4		165°	TDV-E TDV-T	254.1 254.1	221.1	33.0 V	orst Case orst Case	165°	TDV-E TDV-T	254.0 254.0	219.8 219.8	34.1 34.1	
CZ Climate Group Zone Reference City	Roof Rigid R- Grour value <sup>1</sup> R-v	Metal Stud ad Floor Wall alue <sup>2</sup> R-value <sup>3</sup>	Window	Window SHGC <sup>4</sup>	Air Barrier Cool F						Number of OSA per For FC-2 Units (cfm)		A		SOURCE TDV-E	38.3 292.8	23.7 248.9	14.7 43.9	Worst Case	Α	SOURCE TDV-E	35.5 2° 278.3 22	9.1 49.2		Α	SOURCE TDV-E	33.5 271.8	222.1	19.6	orst Case	Α	SOURCE TDV-E	32.7 262.1	20.3 221.0	12.4 41.2	
A CZ16 Blue Canyon		-5 ci R-5 ci	0.42	0.25	Y N		W42HC	1	547.2	na	0 na	0.0		210°	TDV-T SOURCE	292.8 39.2	248.9 23.8	43.9 15.4		210°	TDV-T SOURCE	278.3 22 36.1 2 279.5 23	.3 14.8		210°	TDV-T SOURCE	271.8 34.3 283.5	21.0	19.6 13.3		210°	TDV-T SOURCE	262.1 33.2 270.8	221.0 20.4	41.2 12.9	
CZO2 Santa Rosa CZO3 Oakland	R-5 ci	na R-5 ci	0.42	0.25	Y N	N	W42HC	1	547.2	na	0 na	0.0		255°	TDV-E TDV-T SOURCE	302.1 302.1 39.4	249.0 249.0 23.8	53.0 53.0 15.7		255°	TDV-E TDV-T SOURCE		1.0 48.5		255°	TDV-E TDV-T SOURCE	283.5 34.7	223.4	50.1 50.1 13.6		255°	TDV-E TDV-T SOURCE	270.8 33.6	223.8 223.8 20.6	47.0 47.0 13.0	
CZ04 San Jose-Reid  CZ05 Santa Maria  CZ06 Torrance														300°	TDV-E TDV-T	291.2 291.2	248.3 248.3	42.9 42.9		300°	TDV-E TDV-T	275.1 23			300°	TDV-E TDV-T	271.8 271.8	222.8	49.0 49.0		300°	TDV-E TDV-T	263.9 263.9	223.8 223.8	40.1 40.1	
CZ07 San Diego-Lindberg CZ08 Fullerton	n.														SOURCE TDV-E	38.9 279.9	23.7 246.9	15.2 32.9			SOURCE TDV-E	35.9 2 <sup>-</sup> 261.8 23	.6 14.3 0.0 31.7 V	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		Worst Case
C CZ09 Burbank-Glendale CZ10 Riverside CZ11 Red Bluff	R-5 ci	na R-5 ci	0.42	0.25	Y N	Y	SysAir 4T	1	547.2	na	0 na	0.0		345°	TDV-T SOURCE	279.9 38.3	246.9 23.6	32.9 14.8		345°	TDV-T SOURCE Azimuth	261.8 23 35.5 2		Norst Case Norst Case	345°	TDV-T SOURCE	258.1 33.4		37.9 12.6		345°	TDV-T SOURCE	251.6 32.7	220.7 20.4		Worst Case Worst Case
CZ12 Sacramento CZ13 Fresno													CZ Group	Climate Zone 05 Santa Maria	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case	CZ Climate Zone 05 Group Santa Maria	(Front Orientation)		osed Margin V	Worst Case	CZ Climate Zone 05 Group Santa Maria	Azimuth (Front Orientation)	Standard Design	Proposed No.	argin V	orst Case	CZ Climate Zone 05 Group Santa Maria	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case
D CZ14 Palmdale CZ15 Palm Spring-Intl	R-5 ci	na R-5 ci	0.42	0.25	Y N	Y	SysAir 4T	1	547.2	na	0 na	0.0		30°	TDV-E TDV-T	201.7 201.7	128.7 128.7	73.0 73.0		30°	TDV-E TDV-T	189.1 11	1.0 78.1 1.0 78.1		30°	TDV-E TDV-T	190.3 190.3	120.3	70.0 70.0		30°	TDV-E TDV-T	185.2 185.2	120.4 120.4	64.8 64.8	
CZ Climate	Roof Rigid R- Grour	Metal Stud		Window	AMS 48x40 Air Barrier Cool F		or FC-1	Number of	of OSA per FC-1	FC-2	Number of OSA per FO	C-2 Design DV		7E°	SOURCE TDV-E TDV-T	19.0 202.2 202.2	13.1 128.4 128.4	5.9 73.8 73.8		75°	SOURCE TDV-E TDV-T	189.2 11	.4 6.3 0.0 79.1 0.0 79.1		750	SOURCE TDV-E TDV-T	17.6 190.3 190.3	120.2	5.5 70.2 70.2		750	SOURCE TDV-E TDV-T	17.2 185.3 185.3	11.7 120.6 120.6	5.5 64.7 64.7	
Group Zone Reference City  CZ01 Arcata		alue <sup>2</sup> R-value <sup>3</sup>			(Y/N ) (Y/N Y N		-	_		_	FC-2 Units <sup>6</sup> (cfm) <sup>7</sup>			75	SOURCE TDV-E	19.1 222.5	13.1 128.0	5.9 94.5			SOURCE TDV-E		.3 6.4	Vorst Case	70	SOURCE TDV-E	17.6 211.2	12.1	5.5		75	SOURCE TDV-E	17.2 177.1	11.8 120.0	5.5	Worst Case
CZ16 Blue Canyon CZ02 Santa Rosa CZ03 Oakland	2.5.4	25:	0.42	0.25	V N		Mane		2010			0.0		120°	TDV-T SOURCE	222.5 20.8	128.0 13.1	94.5 7.7		120°	TDV-T SOURCE	181.1 10 17.0 1	.3 5.8 V	Norst Case Norst Case	120°	TDV-T SOURCE	211.2 19.4	12.1	91.7 7.3		120°	TDV-T SOURCE	177.1 16.5	120.0 11.7		Worst Case Worst Case
CZ04 San Jose-Reid CZ05 Santa Maria CZ06 Torrance	R-5 ci	na R-5 ci	0.42	0.25	, IN	N	W42HC	2	364.8	na	U na	0.0		165°	TDV-E TDV-T SOURCE	220.0 220.0 20.6	127.8 127.8 13.1	92.2 92.2 7.5		165°	TDV-E TDV-T SOURCE	188.8 10	9.6 79.2 9.6 79.2 .3 6.5		165°	TDV-E TDV-T SOURCE	208.0 208.0 19.2	118.9	39.1 39.1 7.1		165°	TDV-E TDV-T SOURCE	180.8 180.8 16.9	119.1 119.1 11.6	61.7 61.7	
CZ07 San Diego-Lindberg CZ08 Fullerton													В	210°	TDV-E	197.3 197.3	128.6 128.6	68.7 68.7		210°	TDV-E TDV-T	197.2 11 197.2 11			210°	TDV-E TDV-T	185.6 185.6	120.0	35.6 W	orst Case orst Case	210°	TDV-E TDV-T	188.2 188.2	120.4 120.4	67.8 67.8	
C CZ09 Burbank-Glendale CZ10 Riverside CZ11 Red Bluff	R-5 ci	na R-5 ci	0.42	0.25	Y N	N	W42HC	2	364.8	na	0 na	0.0			SOURCE TDV-E	18.6 197.0	13.2 127.6	5.5 69.4			SOURCE TDV-E	18.4 1: 192.9 11				SOURCE TDV-E	17.2 215.6	12.1 119.4	5.1 W 96.2	orst Case		SOURCE TDV-E	17.4 187.9	11.7 120.8	5.7 67.1	
CZ12 Sacramento CZ13 Fresno												15		255°	TDV-T SOURCE	197.0 18.6	127.6 13.1	69.4 5.5		255°	TDV-T SOURCE TDV-E	192.9 11 18.1 1 183.4 11	.3 6.7		255°	TDV-T SOURCE	215.6 19.7 206.5	12.0	96.2 7.7		255°	TDV-T SOURCE	187.9 17.4 178.7	120.8 11.7	67.1 5.7	
D CZ14 Palmdale CZ15 Palm Spring-Intl	R-5 ci	na R-5 ci	0.42	0.25	Y N	N	W42HC	2	364.8	na	0 na	2.2		300°	TDV-E TDV-T SOURCE	218.4 218.4 20.4	127.2 127.2 13.0	91.3 91.3 7.4		300°	TDV-T SOURCE	183.4 11			300°	TDV-E TDV-T SOURCE	206.5 206.5 19.0	119.0	37.5 37.5 7.0		300°	TDV-E TDV-T SOURCE	178.7 178.7 16.7	120.1 120.1 11.7	58.6 58.6 4.9	1
C7 Climate	Roof	Metal Stud	d Window	Window	PC 60x40	Poof COSons	or FC-1	Number of	of OSA per FC-1	FC-2	Number of OSA per Fi	-C-2 Design PV		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 11 182.8 11	0.1 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	
Group Zone Reference City  A CZ01 Arcata	value <sup>1</sup> R-v	alue <sup>2</sup> R-value <sup>3</sup>	U-factor <sup>4</sup>	SHGC <sup>4</sup>	(Y/N ) (Y/N Y N	N) (Y/N)	Unit Type <sup>5</sup> W42HC	FC-1 Units <sup>6</sup>	s (cfm) <sup>7</sup>	Unit Type <sup>5</sup> F	FC-2 Units <sup>6</sup> (cfm) <sup>7</sup>	7 (kW DC)	cz	Climate Zone 13	SOURCE Azimuth	18.3 Standard	13.1 Proposed		Worst Case	CZ Climate Zone 13	SOURCE Azimuth (Front		osed	Vorst Case	CZ Climate Zone 13	SOURCE Azimuth	19.4 Standard	Proposed	7.4	and Casa	CZ Climate Zone 13	SOURCE Azimuth	16.7 Standard	11.7 Proposed	5.0	Wasak Casa
CZ16 Blue Canyon CZ02 Santa Rosa CZ03 Oakland	D E ci	D E ci	0.42	0.25	V N	N	WASHC	2	456	na	0 22	0.0	Group	Fresno	(Front Orientation) TDV-E	Design 315.5	Design 235.7	Margin 79.8	Worst Case	Group Fresno	Orientation) TDV-E	Design De 208.0 17	ign (1981) 1981 (1	TOIST GUGG	Group Fresno	(Front Orientation) TDV-E	Design 296.6	Design	argin V\ 74.9	orst Case	Group Fresno	(Front Orientation) TDV-E	Design 289.6	Design 216.0	Margin 73.6	Worst Case
CZ04 San Jose-Reid CZ05 Santa Maria CZ06 Torrance	N-SCI	na K-Sci	0.42	0.25			WHEIIC	-	430	110	- 118	0.0		30°	TDV-T SOURCE	315.5 25.0	235.7 17.9	79.8 7.1		30°	TDV-T SOURCE	208.0 17 15.1 1:	.4 2.7	Manak Cana	30°	TDV-T SOURCE	296.6 23.2	16.7	74.9 6.5		30°	TDV-T SOURCE	289.6 22.8	216.0 16.0	73.6 6.8	
CZ07 San Diego-Lindberg CZ08 Fullerton														75°	TDV-E TDV-T	325.9 325.9 25.8	238.3 238.3 18.0	87.6 87.6 7.8		75°	TDV-E TDV-T SOURCE		4.9 30.0 V	Norst Case Norst Case	75°	TDV-E TDV-T SOURCE	307.3 307.3 24.0	225.9	31.4 31.4 7.1		75°	TDV-E TDV-T SOURCE	299.1 299.1 23.4	221.0 221.0 16.2	78.1 78.1	
C CZ09 Burbank-Glendale CZ10 Riverside CZ11 Red Bluff	R-5 ci	na R-5 ci	0.42	0.25	Y N	N	W42HC	2	456	na	0 na	0.0		120°	SOURCE TDV-E TDV-T	321.2 321.2	237.8 237.8	83.5 83.5		120°	TDV-E TDV-T	212.4 17 212.4 17			120°	TDV-E TDV-T	301.6 301.6	224.8	76.8 76.8		120°	TDV-E TDV-T	294.2 294.2	220.1 220.1	74.1 74.1	
CZ12 Sacramento CZ13 Fresno CZ14 Palmdale												3.4			SOURCE TDV-E	25.5 298.7	18.0 233.8	7.5 64.9	Worst Case	4050	SOURCE TDV-E	15.1 1; 286.8 16	0.6 117.2			SOURCE TDV-E	23.6 280.3	16.9 219.2	6.7 61.2			SOURCE TDV-E	23.1 274.9	16.2 213.8		Worst Case
D CZ15 Palm Spring-Intl	R-5 ci	na R-5 ci	0.42	0.25	Y N	N	W48HC	2	456	na	0 na	5.2	C	165°	TDV-T SOURCE	298.7 23.7	233.8 17.8	64.9 5.9	Worst Case Worst Case	165°	TDV-T SOURCE TDV-E	286.8 16 22.7 1: 211.9 17	.1 10.6		165°	TDV-T SOURCE TDV-E	280.3 21.9	16.6	51.2 5.4 V 70.5	orst Case	165°	TDV-T SOURCE	274.9 21.7 290.9	213.8 15.8		Worst Case Worst Case
CZ Climate	Roof Rigid R- Grour	Metal Stud	d Window	Window	PC 72x40  Air Barrier Cool F	Roof CO Senso	sor FC-1	Number of	of OSA per FC-1	FC-2	Number of OSA per Fo	-C-2 Design PV		210°	TDV-E TDV-T SOURCE	311.0 311.0 24.7	235.6 235.6 17.9	75.5 75.5 6.8		210°	TDV-T SOURCE		2.9 39.0		210°	TDV-E TDV-T SOURCE	291.7 292.9	221.2	70.5 6.2		210°	TDV-E TDV-T SOURCE	290.9 22.9	216.2 216.2 16.0	74.6 6.9	
Group Zone Reference City  CZ01 Arcata  CZ16 Blue Canyon	value <sup>1</sup> R-v R-15 ci R	alue <sup>2</sup> R-value <sup>3</sup> 5 ci R-5 ci	U-factor <sup>4</sup>	SHGC <sup>4</sup> 0.25	(Y/N ) (Y/N Y N	N) (Y/N)	Unit Type⁵ W42HC	FC-1 Units <sup>6</sup>	56 (cfm) <sup>7</sup>	Unit Type <sup>5</sup> F	7-C-2 Units <sup>6</sup> (cfm) <sup>7</sup>	7 (kW DC) 0.0		255°	TDV-E TDV-T	318.8 318.8	237.5 237.5	81.3 81.3		255°	TDV-E TDV-T	207.4 17			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	221.7 221.7	80.1 80.1	
CZ02 Santa Rosa CZ03 Oakland	R-5 ci	na R-5 ci	0.42	0.25	Y N	N	W42HC	2	547.2	na	0 na	0.0		2000	SOURCE TDV-E	25.2 315.2	17.9 236.6	7.2 78.6		300°	SOURCE TDV-E TDV-T	214.5 17	.5 2.9 3.4 38.0 3.4 38.0		300°	SOURCE TDV-E TDV-T	23.4 296.3 296.3	224.1	6.6 72.2 72.2		300°	SOURCE TDV-E TDV-T	23.6 296.0 296.0	16.2 220.7 220.7	7.4 75.3 75.3	
CZ04 San Jose-Reid CZ05 Santa Maria CZ06 Torrance	-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					1.30/ (2004)		555555					300°	TDV-T SOURCE TDV-E	315.2 24.9 301.0	236.6 17.9 233.4	78.6 7.0 67.5			SOURCE TDV-E	15.2 1:			300	SOURCE TDV-E	23.1 280.0	16.8	6.3 61.0 W	orst Case	300	SOURCE TDV-E	23.2	16.2 213.9	7.0 63.4	
CZ07 San Diego-Lindberg CZ08 Fullerton CZ09 Burbank-Glendale														345°	TDV-T SOURCE	301.0 23.8	233.4 17.7	67.5 6.1		345°	TDV-T SOURCE		0.3 34.2 .2 2.5 V	Norst Case	345°	TDV-T SOURCE	280.0 22.0	219.0		orst Case	345°	TDV-T SOURCE	277.3 21.8	213.9 15.8	63.4 6.0	
CZ10 Riverside CZ11 Red Bluff	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 Group	Climate Zone 15 Palm Spring-Intl	Azimuth (Front	Standard Design	Proposed Design	Margin	Worst Case	CZ Climate Zone 15 Group Palm Spring-Intl	Azimuth (Front Orientation)	Standard Prop Design De	osed Margin V	Worst Case	CZ Climate Zone 15 Group Palm Spring-Intl	Azimuth (Front Orientation)	Standard Design	Proposed None in the North Nor	argin W	orst Case	CZ Climate Zone 15 Group Palm Spring-Intl	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case
CZ12 Sacramento CZ13 Fresno CZ14 Palmdale	D. F. ci	no D.F.oi	0.42	0.25	V N	V	Cuc Air AT	2	547.2			3.6		30°	TDV-E TDV-T	345.7 345.7	270.2 270.2	75.5 75.5		30°	TDV-E TDV-T	326.4 20 326.4 20	3.4 123.0		30°	TDV-E TDV-T	319.2 231.5		52.2		30°	TDV-E TDV-T	311.4 223.7	284.4 211.6	27.1 12.1	
CZ15 Palm Spring-Intl	K-5 CI	na R-5CI	0.42	0.25	AMS 84×40	7	SysAir 41		547.2	na	U na	5.4			SOURCE TDV-E	24.8 359.0	17.0 271.7	7.8 87.3		750	SOURCE TDV-E		5.9 133.3			SOURCE TDV-E	19.2 337.7	14.7 260.0	4.5 77.6			SOURCE TDV-E	18.7 324.6	15.8 288.3	2.9 36.3	
CZ Climate	Roof Rigid R- Groun	Metal Stud d Floor Wall	d Window	Window	Air Barrier Cool F	Roof CO Senso	sor FC-1	Number of	of OSA per FC-1	FC-2	Number of OSA per	C-2 Design PV		75°	TDV-T SOURCE	359.0 25.8	271.7 17.1	87.3 8.7		/b°	TDV-T SOURCE TDV-E		5.9 133.3 .3 12.1 5.1 125.4		75°	TDV-T SOURCE	249.9 20.5 332.9	14.9	27.6 5.6		75°	TDV-T SOURCE	236.9 19.7	217.0 16.2	19.8 3.5	
Group Zone Reference City  CZ01 Arcata  CZ16 Blue Canyon	value <sup>1</sup> R-v R-15 ci R-	alue <sup>2</sup> R-value <sup>3</sup> 15 ci R-5 ci	U-factor <sup>4</sup>	SHGC <sup>4</sup> 0.25	(Y/N ) (Y/N Y N	N) (Y/N)	Ome Type	FC-1 Units <sup>6</sup>	364.8	Unit Type <sup>5</sup> F	FC-2 Units <sup>6</sup> (cfm) <sup>7</sup> 1 547.2	(kW DC) 3.9		120°	TDV-E TDV-T SOURCE	356.4 356.4 25.6	270.5 270.5 17.1	85.9 85.9 8.6		120°	TDV-T SOURCE	330.4 20 23.6 1:			120°	TDV-E TDV-T SOURCE	332.9 245.2 20.1	221.8	74.5 23.4 5.3		120°	TDV-E TDV-T SOURCE	324.3 236.6 19.5	287.2 217.9 16.2	37.2 18.7 3.3	
CZ02 Santa Rosa CZ03 Oakland	R-5 ci	na R-5 ci	0.42	0.25	Y N	N	W42HC	2	364.8	W42HC	1 547.2	1.0 0.8		165°	TDV-E TDV-T	331.4 331.4	267.5 267.5	63.9 63.9		165°	TDV-E TDV-T	237.3 20 237.3 20	2.0 35.3 2.0 35.3		165°	TDV-E TDV-T	305.9 218.1	253.6 215.0	52.3 V 3.1 V	orst Case orst Case	165°	TDV-E TDV-T	303.0 215.3	282.1 209.1	21.0 6.2	
CZ04 San Jose-Reid CZ05 Santa Maria CZ06 Torrance												1.0 0.8	D		SOURCE TDV-E	23.6 342.0	16.8 269.7	6.8 72.2		210°	SOURCE TDV-E TDV-T		.0 2.5 1.9 47.3 1.9 47.3		D	SOURCE TDV-E	18.0 321.9	14.4 256.3	35.6	orst Case	D	SOURCE TDV-E	17.9 316.2	15.5 285.0	2.4 31.2	
CZ07 San Diego-Lindberg CZ08 Fullerton CZ09 Burbank-Glendale														210°	TDV-T SOURCE	342.0 24.7 352.7	269.7 17.0	72.2 7.7		210	SOURCE TDV-E	15.7 1:	.3 3.4 7.8 56.6		210°	TDV-T SOURCE TDV-E	234.1 19.5 335.5	14.7	16.4 4.8 76.2		210°	TDV-T SOURCE TDV-E	228.4 19.0 331.7	212.1 15.9 289.0	16.3 3.1 42.7	
CZ10 Riverside CZ11 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		255°	TDV-E TDV-T SOURCE	352.7 352.7 25.4	271.2 271.2 17.1	81.4 81.4 8.4		255°	TDV-T SOURCE	264.4 20 16.4 1:	7.8 56.6 .4 4.0		255°	TDV-T SOURCE	247.8 20.5	221.6	26.1 5.6		255°	TDV-E TDV-T SOURCE	244.0 20.1	217.7 16.2	26.3 3.9	
CZ12         Sacramento           CZ13         Fresno           CZ14         Palmdale           CZ15         Palm Spring-Intl	R-5 ci	na R-5 ci	0.42	0.25	Y N	V	SysAir 4T	2	364.8	SysAir 5T	1 547.2	2.1		300°	TDV-E TDV-T	345.4 345.4	270.4 270.4	75.0 75.0		300°	TDV-E TDV-T SOURCE	254.2 20 254.2 20 15.8 1:			300°	TDV-E TDV-T	327.1 239.3	220.8	58.4 18.6		300°	TDV-E TDV-T	326.6 238.8	287.2 215.5	39.4 23.3	
CZ15 Palm Spring-Intl	-	,, 50			AMS 96x40		-1				341.2	3.2		345°	SOURCE TDV-E TDV-T	24.8 329.3 329.3	17.0 268.0 268.0		Worst Case Worst Case	345°	TDV-E TDV-T	235.8 20 235.8 20	I.6 34.2 V I.6 34.2 V	Norst Case Norst Case	345°	SOURCE TDV-E TDV-T	19.7 309.0 221.3	254.6	5.0 54.5 5.3		345°	SOURCE TDV-E TDV-T	19.7 302.0 214.2	16.0 281.8 208.8	20.1	Worst Case Worst Case
CZ Climate Group Zone Reference City	Roof Rigid R- Grour value <sup>1</sup> R-v	Metal Stud and Floor Wall alue <sup>2</sup> R-value <sup>3</sup>	Window	Window SHGC <sup>4</sup>	Air Barrier Cool F						Number of OSA per For FC-2 Units (cfm)			0-0	SOURCE	23.4	16.8		Worst Case		SOURCE		.0 2.4 V	Norst Case	2.5	SOURCE	18.2	14.4	3.8		0.0	SOURCE	17.8	15.5		Worst Case

PC DESIGN REVIEW INFORMATION

PC DESIGN REVIEW INFORMATION

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	e							
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					
		mair Sophomore	-					
1			above the R-19	Roof Structure	per detail			
2	Rigid insulation	R-value added	to the exterior	R-13 Metal Stud	walls, per detai	ľ		
3	Rigid insulation	R-value below	the ground floor	rslab				
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	er Section H3. or	the Title 24 repo	orts		
PV System <sup>8</sup>								
- The kW DC OPV requ	uired for complian	ice is indicated i	n this table.					
- PV panel Azimuth is	based on the PC o	orientation, see	Section F1 on pg	g. 9 of the Title 2	4 report for deta	ils		
- PV panel = 5 degree	per Section F1 of	the Title 24 repo	ort for details					

Cooling Heating

PC DESIGN REVIEW INFORMATION

	And Battery					CALIFORNIA ENERGY COMMISSION
	CATE OF COMPLIANCE					NRCC-SAB-E
orescrip perforn multifa readine	otive solar thermal requirem nance approach, this docum mily ten stories or fewer, ho css in 110.10/160.8 for addi	ents in 170.2(d)3C fo ent demonstrates ca tel/motel ten stories tions to nonresidenti	or multifamily and hotel/ motel occup impliance with mandatory solar read or fewer or all other nonresidential b	oanci liness ouildii ng typ	es. When PV/battery/solar ther requirements in 110.10/ 160.8 ags three stories or fewer. It is o es which add more than 2,000	ntial, multifamily and mixed-use buildings and mal requirements don't apply or are traded using the for newly constructed buildings which are either also used to demonstrate compliance with solar ft <sup>2</sup> of roof area. Alterations, or additions of less than mplete this document.
Project I				·	rt Page:	(Page 1 of 7)
Project A	Address:			Date	Prepared:	2023-10-10T21:09:32-04:00
A. GEN	IERAL INFORMATION					
_	oject Location (city)	Palm Spring-Intl		_	Building Occupancies	School or Classroom
_	mate Zone	15		05	Construction Type	New construction
03 Co	nditioned Floor Area (ft <sup>2</sup> )	4800		06	Number of Stories	Bldg <= 3 stories
Ompin	ance with Solar Readiness F	requirements in 110		01		
×	Provide Solar Ready Area n	o exceptions	The project has allocated a solar zo	ne on	the roof plan per requirement	ts in §110.10(b), as documented in Table F.
	Exception to Solar Ready A Photovoltaic System	rea: Installed Solar	The project includes a permanently Standard Test Conditions, of no less			g a nameplate DC power rating, measured under oof area as documented in Table G.
				rico		ludes a permanently installed domestic solar
_	Exception to Solar Ready A Water Heating System	rea: Installed Solar	The project is a hotel/motel or high water-heating system complying wi		0.2(d)3C and Reference Reside	ntial Appendix RA4, as documented in Table H.
	Exception to Solar Ready A	rea: Smart	water-heating system complying wi	th 17	here all thermostats in each dv	welling unit comply with §110.12(a) AND at least one
	Exception to Solar Ready Ar Water Heating System Exception to Solar Ready Ar Thermostat and Alternative	rea: Smart Energy Efficiency rea: Roof is	water-heating system complying wi The project is a multifamily occupar	th 17 ncy w on 4	here all thermostats in each dy to §110.10(b)1B is installed, as	welling unit comply with $\frac{5110.12(a)}{2}$ AND at least one sdocumented in Table I.
	Exception to Solar Ready Ai Water Heating System Exception to Solar Ready Ai Thermostat and Alternative Measure Exception to Solar Ready Ai designed for vehicular traff	rea: Smart Energy Efficiency rea: Roof is ic, parking or for	water-heating system complying wi The project is a multifamily occupar additional measure listed in Excepti	ncy w on 4	here all thermostats in each dv to \$110.10(b)18 is installed, as nicular traffic, parking or helipo	welling unit comply with \$110.12(a) AND at least one s documented in Table I.
	Exception to Solar Ready Ai Water Heating System Exception to Solar Ready Ai Thermostat and Alternative Measure Exception to Solar Ready Ai designed for vehicular traff heliport	rea: Smart Energy Efficiency rea: Roof is ic, parking or for rea: Roof too small	water-heating system complying wi The project is a multifamily occupar additional measure listed in Excepti Plan sheet showing roof designed fi	ncy won 4	here all thermostats in each dv to \$110.10(b)18 is installed, as nicular traffic, parking or helipo a total roof area <= 533 square	welling unit comply with \$110.12(a) AND at least one s documented in Table I.  ort

CERTIFICATE OF COMPLIANCE		NRCC-SAB
Project Name: AMS PC 24-120x40	Report Page:	(Page 2 of
	Date Prepared:	2023-10-10T21:09:32-04:
compliance with Solar Photovoltaic (PV) and Batt		
	01	
Provided PV system and battery storage sin per 140.10/ 170.2 (g and h)	The project has included an installed PV system and battery storage system per documented in Table J.	requirements in 140.10/ 170.2(g and h) as
Exception to PV and Battery: Not enough S Access Roof Area	Solar The total of all available Solar Access Roof Area(s) of the project site is less than documented in Table J.	n three percent of the conditioned floor area as
Exception to PV and Battery: Required PV 4kW	The required PV system size is less than 4 kW dc as documented in Table J	
Exception to PV and Battery: No contiguous Solar Access Roof Area	The Solar Access Roof Area(s) of the project site contains less than 80 contiguous	us square feet as documented in Table J.
Exception to PV and Battery: Can't meet so load	now The project has a roof design where the enforcement authority has verified it is panels, modules, components, supports, and attachments to the roof structure	
Exception to PV and Battery: Multi-tenant without VNEM or Community Solar	The project is a multi-tenant building in an area where a load serving entity doc (VNEM) or community solar program.	es not provide either a Virtual Net Metering
☐ The prescriptive PV/battery requirement h	has been traded off using the performance compliance approach as documented on the	ne PRF Certificate of Compliance form.
Compliance with Solar Thermal Water Heating Re	equirements in 170.2(d)3C (Multifamiily and hotel/ motel occupancies only)	
	01	
	tifamily occupancy with a gas or propane central water-heating system (serves 2+ dwo omply with 170.2(d)3C and Reference Residential Appendix RA4, as documented in Tal	
Compliance meets Exception 2 to solar rea	ady requirements in 110.10(b).	
•		
	Generated Date/Time:	Documentation Software: Energy Code Ace

PC DESIGN REVIEW INFORMATION

SS PLS P ACS CG P 2022 CBC PRE-CHECK (PC) DOCUMENT MANUFACTURER PROFESSIONAL OF RECORD ON PC THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD. FACILITY: 1701 S CENTRAL AVE. **TRACY, CA 95376** DRAWN BY: AA AS NOTED PROJECT: MM/DD/YY PROJECT NO: XXXX-22 SHEET TITLE: SHEET NAME: **ENERGY CALCULATIONS** SUMMATION SHEET SHEET NUMBER: DATE: 04/03/24

PLEASE RECYCLE 🕰

CZ13 Fresno
CZ14 Palmdale
CZ15 Palm Spring-Intl R-5 cl na R-5 cl 0.42 0.25 Y N Y SysAir 4T 3 364.8 SysAir 4T 1 547.2 CZ05 Santa Maria
CZ06 Torrance CZ07 San Diego-Lindbergh CZ08 Fullerton CZO9 Burbank-Glendale R-5 ci na R-5 ci 0.42 0.25 Y N N W42HC 5 364.8 na 0 na 0.0 CZ11 Red Bluff CZ12 Sacramento R-5 ci na R-5 ci 0.42 0.25 Y N N W42HC 5 364.8 na 0 na D CZ15 Palm Spring-Intl

R-5ci na R-5ci 0.42 0.25 Y N N W42HC 4 364.8 na 0 na 0.0

Rigid R- Ground Floor Wall Window Window Air Barrier Cool Roof CO Sensor FC-1 Number of OSA per FC-2 Number of OSA per FC-2 Design PV

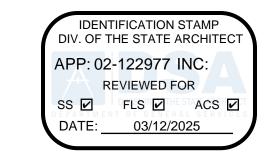
R-15ci R-15ci R-5ci 0.42 0.25 Y N N W42HC 3 364.8 W42HC 1 547.2 0.0

CZ09 Burbank-Glendale R-5 ci na R-5 ci 0.42 0.25 Y N N W42HC 4 364.8 na 0 na 0.0

D CZ14 | Palmdale | R-5 ci | na | R-5 ci | 0.42 | 0.25 | Y | N | N | W42HC | 4 | 364.8 | na | 0 | na

Group Zone Reference City value<sup>1</sup> R-value<sup>2</sup> R-value<sup>3</sup> U-factor<sup>4</sup> SHGC<sup>4</sup> (Y/N) (Y/N) (Y/N) Unit Type<sup>5</sup> FC-1 Units<sup>6</sup> (cfm)<sup>7</sup> Unit Type<sup>5</sup> FC-2 Units<sup>6</sup> (cfm)<sup>7</sup> (kW DC)

CZO9 Burbank-Glendale R-5 ci na R-5 ci 0.42 0.25 Y N Y SysAir 4T 3 364.8 SysAir 4T 1 547.2 0.0





HMC Architects

3595001000

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

Δ **DESCRIPTION** 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'

STANDARD MODULAR BUILDING

DIV. OF THE STATE ARCHITECT

PRE-CHECKED SET NAME

SITE SPECIFIC PROJECT NAME

DRAWN BY:

SHEET TITLE:

SHEET NUMBER:

AA

PROJECT NO: XXXX-22

AS NOTED

MM/DD/YY

**ENERGY CALCULATIONS** 

SUMMATION SHEET

DATE

3/20/25

**KEYNOTES** 

**GENERAL NOTES** 

FACILITY: POET CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE.

**TRACY, CA 95376** 

PROJECT: POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:

**ENERGY CALCULATIONS SUMMATION SHEET** 

CLIENT PROJ NO: 3595001000

DATE: 04/03/24

	F		N REVIEW IN							N REVIEW INI	FORMATION						I REVIEW INF						PC DESIGN	REVIEW INF							REVIEW IN 22, Part 6, En	IFORMATION		
	ame and Option: Total Floor Area:	PC 72x40 2880		lation Date/Time of E	Energy Report: SA Application:			Model Name and Option: Total Floor Area:			lation Date/Time o	of Energy Report DSA Application	: 9/3/2023 :		Model Name and Option: Total Floor Area:	AMS 96x40 3840		lation Date/Time	of Energy Repo DSA Applicatio	0.00 0.00 0.00 0.00		Model Name and Option: Total Floor Area:			ation Date/Time	of Energy Report  DSA Application			Model Name and Option: Total Floor Area:	AMS 120x40 4800		ulation Date/Time o	of Energy Report: DSA Application:	9/3/2023
CZ Climate	C System Type: te Zone 16	VSHP Metric	Standard	Proposed	Margin	Worst Case	cz	HVAC System Type: Climate Zone 16	VSHP Metric	Standard	Proposed	Margin	Worst Case	cz	HVAC System Type: Climate Zone 16	VSHP Metric	Standard	Proposed	Margin	Worst Case	CZ	HVAC System Type: Climate Zone 16	VSHP Metric	Standard	Proposed	Margin	Worst Case	cz	HVAC System Type: Climate Zone 16	VSHP Metric	Standard	Proposed	Margin \	Norst Case
	e Canyon	TDV-E	Design 258.8	Design 217.8	41.0	vvoist odde	Group	Blue Canyon	TDV-E	Design 222.2	Design 201.8	20.4	Worst Gase	Group	Blue Canyon	TDV-E	Design 255.6	Design 208.5	47.1	vvoist ouse	Group	Blue Canyon	TDV-E	254.3	Design 193.0	61.3	vvoist oase	Group	Blue Canyon	TDV-E	253.4	Design 205.8	47.6	Worst Gase
3	30°	TDV-T SOURCE TDV-E	258.8 32.4 265.8	217.8 19.8 220.8	41.0 12.6 45.1			30°	TDV-T SOURCE TDV-E	182.6 33.8 231.4	168.7 17.4 204.0	13.9 16.4 27.4			30°	TDV-T SOURCE TDV-E	216.0 30.0 267.3	207.0 19.6 211.0	9.0 10.4 56.3		-	30°	TDV-T SOURCE TDV-E	214.7 29.0 268.1	193.0 17.9 196.2	21.7 11.2 71.9			30°	TDV-T SOURCE TDV-E	213.8 29.5 265.3	205.8 19.3 208.5	8.0 10.2 56.8	
7	75°	TDV-T SOURCE TDV-E	265.8 32.7 260.7	220.8 20.0 220.7	45.1 12.7 40.0			75°	TDV-T SOURCE TDV-E	191.8 34.2 223.9	171.7 17.6 203.5	20.1 16.6 20.4			75°	TDV-T SOURCE TDV-E	227.7 30.6 257.2	209.5 19.8 211.0	18.2 10.8 46.3		-	75°	TDV-T SOURCE TDV-E	228.5 29.7 256.3	196.2 18.1 195.7	32.3 11.6 60.6			75°	TDV-T SOURCE TDV-E	225.7 30.1 255.1	208.5 19.6 208.5	17.2 10.5 46.6	
10	120°	TDV-T SOURCE	260.7 32.5	220.7 20.1	40.0 12.4			120°	TDV-T SOURCE	184.3 33.8	172.4 17.7	11.9 16.1			120°	TDV-T SOURCE	217.6 30.1	209.6 19.8	8.1 10.3			120°	TDV-T SOURCE	216.7 29.1	195.7 18.1	21.0 11.0			120°	TDV-T SOURCE	215.5 29.6	208.5 19.6	7.0 10.0	
1	165°	TDV-E TDV-T SOURCE	246.6 246.6 31.8	217.4 217.4 19.8	29.1 29.1 12.0	Worst Case Worst Case Worst Case	_	165°	TDV-E TDV-T SOURCE	212.5 172.9 33.1	200.3 167.0 17.3	12.2 5.8 15.8			165°	TDV-E TDV-T SOURCE	284.6 245.0 40.3	208.1 206.6 19.6	76.5 38.4 20.7			165°	TDV-E TDV-T SOURCE	267.6 228.0 35.4	191.9 191.9 17.8	75.7 36.1 17.6			165°	TDV-E TDV-T SOURCE	282.2 242.6 39.8	205.5 205.5 19.4	76.6 37.0 20.4	
2	210°	TDV-E TDV-T SOURCE	259.6 259.6 32.5	218.3 218.3 19.8	41.3 41.3 12.7		A	210°	TDV-E TDV-T SOURCE	221.6 182.0 33.8	201.4 168.3 17.4	20.2 13.7 16.4		A	210°	TDV-E TDV-T SOURCE	260.9 221.3 30.3	209.1 207.6	51.8 13.7 10.7		A	210°	TDV-E TDV-T SOURCE	255.7 216.1 29.1	192.6 192.6 17.8	63.2 23.6 11.3		A	210°	TDV-E TDV-T SOURCE	258.7 219.1 29.8	206.5 206.5 19.4	52.2 12.6 10.4	
2	255°	TDV-E TDV-T	272.1 272.1	220.6 220.6	51.4 51.4			255°	TDV-E TDV-T	229.2 189.6	203.7 171.4	25.6 18.3			255°	TDV-E TDV-T	273.7 234.1	19.6 211.0 209.5	62.7 24.6			255°	TDV-E TDV-T	268.1 228.5	195.2 195.2	72.9 33.3			255°	TDV-E TDV-T	271.8 232.2	208.5 208.5	63.3 23.7	
3	300°	SOURCE TDV-E TDV-T	33.0 259.5 259.5	20.0 220.1 220.1	12.9 39.4 39.4			300°	SOURCE TDV-E TDV-T	34.2 223.4 183.8	17.6 203.6 171.0	16.6 19.9 12.9			300°	SOURCE TDV-E TDV-T	30.8 261.3 221.7	19.8 210.3 208.9	11.1 50.9 12.8		-	300°	SOURCE TDV-E TDV-T	29.7 257.4 217.8	18.0 194.8 194.8	11.6 62.6 23.0			300°	SOURCE TDV-E TDV-T	30.4 259.0 219.4	19.6 207.9 207.9	10.8 51.1 11.5	
		SOURCE TDV-E	32.3 250.1	20.0 216.7	12.3 33.4			200	SOURCE TDV-E	33.9 209.3	17.6 200.7	16.2 8.6	Worst Case			SOURCE TDV-E	30.2 246.8	19.8 207.3	10.4 39.5	Worst Case			SOURCE TDV-E	29.1 239.5	18.0 191.5	11.1 47.9	Worst Case			SOURCE TDV-E	29.7 244.3	19.6 204.7	10.1 39.7	Norst Case
	345° te Zone 05	TDV-T SOURCE Azimuth	250.1 31.8	216.7 19.7	33.4 12.1		67	345° Climate Zone 05	TDV-T SOURCE Azimuth	169.7 33.1	167.4 17.4	2.3 15.7	Worst Case Worst Case	0.7	345°  Climate Zone 05	TDV-T SOURCE Azimuth	207.2 29.4	205.8 19.5	1.4 9.9	Worst Case Worst Case	07	345°	TDV-T SOURCE Azimuth	199.9 28.2	191.5 17.7	8.3 10.4	Worst Case Worst Case	0.7	345°	TDV-T SOURCE Azimuth	204.7	204.7 19.3		Norst Case Norst Case
	nta Maria	(Front Orientation) TDV-E	Standard Design	Proposed Design	Margin 71.8	Worst Case	Group	Santa Maria	(Front Orientation) TDV-E	Standard Design 146.3	Proposed Design	Margin 34.1	Worst Case Worst Case	CZ Group	Santa Maria	(Front Orientation) TDV-E	Standard Design 184.3	Proposed Design	Margin 68.0	Worst Case	CZ Group	Climate Zone 05 Santa Maria	(Front Orientation) TDV-E	Standard Design 178.8	Proposed Design	Margin 68 1	Worst Case Worst Case	CZ Group	Climate Zone 05 Santa Maria	(Front Orientation) TDV-E	Standard Design	Proposed Design	ŭ	Norst Case  Norst Case
3	30°	TDV-T SOURCE	186.7 17.2	114.9 11.2	71.8 6.1			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	115.4 11.4	27.9 \ 3.6 \	Norst Case Norst Case Norst Case
7	75°	TDV-E TDV-T SOURCE	186.7 186.7 17.3	115.3 115.3 11.2	71.4 71.4 6.0			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	115.6 115.6 11.4	98.5 58.7 6.2	
1	120°	TDV-E TDV-T SOURCE	177.8 177.8 16.5	114.3 114.3 11.2	63.5 63.5			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	114.7 114.7 11.4	89.3 49.5	
1	165°	TDV-E TDV-T	175.6 175.6	113.3 113.3	62.3 62.3			165°	TDV-E TDV-T	189.7 149.9	110.8 103.9	78.9 46.0			165°	TDV-E TDV-T	201.6 161.8	114.6 114.6	87.0 47.2		-	165°	TDV-E TDV-T	191.2 151.4	109.3 109.3	81.9 42.1			165°	TDV-E TDV-T	200.4 160.6	113.8 113.8	86.6 46.8	
B	210°	SOURCE TDV-E TDV-T	16.3 182.1 182.1	11.1 114.3 114.3	5.2 67.8 67.8		В	210°	SOURCE TDV-E TDV-T	15.7 149.7 109.9	10.8 112.1 105.2	4.8 37.6 4.7		В	210°	SOURCE TDV-E TDV-T	16.7 179.5 139.7	11.5 115.8 115.8	5.2 63.7 23.9	Worst Case Worst Case	В	210°	SOURCE TDV-E TDV-T	15.6 198.6 158.8	10.9 110.6 110.6	4.8 88.0 48.2		В	210°	SOURCE TDV-E TDV-T	16.6 207.4 167.6	11.4 115.0 115.0	5.2 92.4 52.6	
	255°	SOURCE TDV-E TDV-T	16.9 182.1 182.1	11.2 114.6 114.6	5.7 67.5 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			OEE°	SOURCE TDV-E TDV-T	14.8 209.5 169.7	11.5 115.8	3.2 93.8	Worst Case		OFF.	SOURCE TDV-E	16.2 199.2 159.4	10.9 110.6	5.3 88.5 48.7			255°	SOURCE TDV-E TDV-T	17.1 208.3	11.4 115.0 115.0	5.6 93.3 53.5	
		SOURCE TDV-E	16.8 173.6	11.2 113.9	5.7 59.6	Worst Case			SOURCE TDV-E	16.3 188.1	10.9 111.2	5.4 76.9			255°	SOURCE TDV-E	17.3 200.8	115.8 11.5 115.0	54.0 5.8 85.8		-	255°	TDV-T SOURCE TDV-E	16.2 190.5	110.6 10.9 109.8	5.3 80.8				SOURCE TDV-E	17.1 199.7	11.4 114.1	5.7 85.5	
30	300°	TDV-T SOURCE TDV-E	173.6 16.1 178.8	113.9 11.1 113.3	59.6 5.0 65.6	Worst Case Worst Case		300°	TDV-T SOURCE TDV-E	148.3 15.5 188.5	104.5 10.9 110.8	43.9 4.7 77.7			300°	TDV-T SOURCE TDV-E	161.0 16.6 205.6	115.0 11.5 114.5	46.1 5.2 91.1		-	300°	TDV-T SOURCE TDV-E	150.7 15.5 191.6	109.8 10.9 109.2	41.0 4.7 82.4			300°	TDV-T SOURCE TDV-E	159.9 16.5 204.4	114.1 11.4 113.7	45.7 5.1 90.8	
3,	345°	TDV-T SOURCE	178.8 16.6	113.3 11.1	65.6 5.5			345°	TDV-T SOURCE Azimuth	148.7 15.6	103.9 10.8	44.8 4.7			345°	TDV-T SOURCE	165.8 17.0	114.5 11.4	51.3 5.6			345°	TDV-T SOURCE	151.8 15.6	109.2 10.8	42.6 4.7			345°	TDV-T SOURCE	164.6 16.8	113.7 11.3	51.0 5.5	
	te Zone 13 resno	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case	Group	Climate Zone 13 Fresno	(Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case	CZ Group	Climate Zone 13 Fresno	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case	CZ Group	Climate Zone 13 Fresno	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin	Worst Case	CZ Group	Climate Zone 13 Fresno	Azimuth (Front Orientation)	Standard Design	Proposed Design		Worst Case
3	30°	TDV-E TDV-T SOURCE	201.4 150.2 12.6	172.2 138.1 10.8	29.2 12.0 1.8			30°	TDV-E TDV-T SOURCE	238.2 187.0 15.9	169.5 169.5 11.9	68.8 17.5 4.1	Worst Case		30°	TDV-E TDV-T SOURCE	286.6 235.3 20.5	214.7 214.7 16.1	71.9 20.6 4.3		-	30°	TDV-E TDV-T SOURCE	252.5 201.2 17.3	166.6 166.6 11.7	85.9 34.6 5.6			30°	TDV-E TDV-T SOURCE	284.6 233.3 20.3	213.3 213.3 16.0	71.2 20.0 4.3	
7	75°	TDV-E TDV-T SOURCE	207.8 156.6 12.9	178.9 145.1 11.1	29.0 11.5 1.8			75°	TDV-E TDV-T SOURCE	244.3 193.0 16.4	174.9 174.9 12.1	69.3 18.1 4.3			75°	TDV-E TDV-T SOURCE	298.0 246.7 21.2	219.9 219.9 16.4	78.1 26.8 4.9			75°	TDV-E TDV-T SOURCE	260.0 208.7 17.8	172.7 172.7 11.9	87.3 36.0 5.8			75°	TDV-E TDV-T SOURCE	296.1 244.9 21.1	218.7 218.7 16.3	77.4 26.1 4.8	
1	120°	TDV-E TDV-T	207.4 156.1 12.7	177.4 144.5 11.1	30.0 11.7 1.7			120°	TDV-E TDV-T	259.1 207.8 17.3	173.9 173.9	85.2 33.9 5.3			120°	TDV-E TDV-T	291.6 240.3	218.5 218.5	73.1 21.8			120°	TDV-E TDV-T	256.8 205.5	171.2 171.2	85.6 34.4			120°	TDV-E TDV-T	289.7 238.4	217.3 217.3	72.4 21.1	
1	165°	SOURCE TDV-E TDV-T	272.2 220.9	169.3 135.5	1.7 102.9 85.4			165°	SOURCE TDV-E TDV-T	244.3 193.0	12.1 167.2 167.2	77.1 25.8			165°	SOURCE TDV-E TDV-T	20.8 270.2 218.9	16.4 212.0 212.0	4.5 58.2 7.0	Worst Case Worst Case	-	165°	SOURCE TDV-E TDV-T	17.4 265.9 214.6	11.9 163.6 163.6	5.6 102.3 51.0			165°	SOURCE TDV-E TDV-T	20.7 268.3 217.0	16.3 210.6 210.6		Norst Case
C	210°	SOURCE TDV-E TDV-T	19.5 198.9 147.7	10.6 171.4 137.3	9.0 27.5 10.4		С	210°	SOURCE TDV-E TDV-T	16.4 234.6 183.3	11.7 169.8 169.8	4.7 64.9 13.6		С	210°	SOURCE TDV-E TDV-T	19.2 281.8 230.5	16.0 214.2 214.2	3.2 67.6 16.3	Worst Case	C	210°	SOURCE TDV-E TDV-T	18.8 250.4 199.1	11.4 166.1 166.1	7.3 84.3 33.0		C	210°	SOURCE TDV-E TDV-T	19.0 279.7 228.5	15.9 212.8 212.8	3.2 \ 66.9 15.7	Norst Case
		SOURCE TDV-E	12.5 203.5 152.3	10.8 177.5	1.7 26.0			255°	SOURCE TDV-E	16.0 239.9	11.9 175.5	4.1 64.4	Worst Case			SOURCE TDV-E	20.2 291.0	16.2 218.8	4.0 72.3				SOURCE TDV-E	17.1 261.8	11.6 173.0	5.4 88.8	Worst Case			SOURCE TDV-E	20.0 289.3	16.1 217.6	3.9 71.7	
	255°	TDV-T SOURCE TDV-E	12.6 198.7	143.7 11.1 176.3	8.6 1.5 22.4	Worst Case			TDV-T SOURCE TDV-E	188.6 16.4 242.0	175.5 12.2 174.3	13.1 4.2 67.8	Worst Case		255°	TDV-T SOURCE TDV-E	239.8 20.8 286.4	218.8 16.4 217.8	21.0 4.4 68.6		-	255°	TDV-T SOURCE TDV-E	210.6 17.7 255.9	173.0 11.9 171.9	37.6 5.8 84.0	Worst Case		255°	TDV-T SOURCE TDV-E	238.0 20.6 284.5	217.6 16.3 216.6	20.4 4.3 67.9	
30	300°	TDV-T SOURCE TDV-E	147.4 12.2 272.2	143.4 11.0 169.2	4.0 1.3 103.0	Worst Case Worst Case		300°	TDV-T SOURCE TDV-E	190.8 16.2 243.9	174.3 12.1 167.2	16.5 4.1 76.7			300°	TDV-T SOURCE TDV-E	235.1 20.4 270.6	217.8 16.3 211.9	17.3 4.1 58.7		-	300°	TDV-T SOURCE TDV-E	204.7 17.3 266.7	171.9 11.8 164.2	32.8 5.5 102.5	Worst Case	_	300°	TDV-T SOURCE TDV-E	233.2 20.2 268.7	216.6 16.2 210.5	16.6 4.0 58.3	
3/	345°	TDV-T SOURCE	220.9 19.6	135.5 10.5	85.4 9.0			345°	TDV-T SOURCE	192.6 16.5	167.2 11.7	25.4 4.8			345°	TDV-T SOURCE	219.3 19.3	211.9 15.9	7.5 3.4		-	345°	TDV-T SOURCE	215.5 18.8	164.2 11.4	51.3 7.4			345°	TDV-T SOURCE	217.5 19.1	210.5 15.8	7.0 3.3	
	te Zone 15 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	CZ Group	Climate Zone 15 Palm Spring-Intl	Azimuth (Front Orientation)	Standard Design	Proposed Design	Margin \	Worst Case
	30°	TDV-E TDV-T SOURCE	234.7 146.9 10.9	206.1 143.0 9.9	28.6 3.9 1.0	Worst Case		30°	TDV-E TDV-T SOURCE	289.0 201.2 15.6	206.2 174.2 11.1	82.7 27.0 4.5			30°	TDV-E TDV-T SOURCE	309.4 221.6 18.4	250.4 203.1 13.9	59.0 18.5 4.4			30°	TDV-E TDV-T SOURCE	308.0 220.2 18.3	198.9 181.7 11.3	109.1 38.5 7.0			30°	TDV-E TDV-T SOURCE	307.5 219.7 18.2	249.0 200.0 13.8	58.5 19.7 4.4	
7	75°	TDV-E TDV-T SOURCE	248.2 160.4 11.6	211.0 149.3 10.2	37.1 11.1 1.4			75°	TDV-E TDV-T SOURCE	300.1 212.3 16.3	211.1 179.7 11.4	89.0 32.6 4.9			75°	TDV-E TDV-T	321.6 233.8	254.3 208.0	67.2 25.8			75°	TDV-E TDV-T	321.9 234.2	204.3 187.6	117.6 46.6			75°	TDV-E TDV-T	319.8 232.0 19.1	253.2 205.1	66.6 26.8	
1	120°	TDV-E TDV-T	239.8 152.0	209.0 149.1	30.8 2.9	Worst Case		120°	TDV-E TDV-T	296.0 208.2	209.4 179.0	86.6 29.2			120°	SOURCE TDV-E TDV-T	19.3 320.6 232.8	14.2 252.3 207.4	5.0 68.3 25.4		-	120°	SOURCE TDV-E TDV-T	19.3 312.6 224.9	11.5 202.6 186.4	7.7 110.0 38.5			120°	SOURCE TDV-E TDV-T	318.4 230.7	14.1 251.1 204.5	5.0 67.3 26.2	
1	165°	SOURCE TDV-E TDV-T	11.0 296.1 208.3	10.1 202.4 139.2	0.8 93.6 69.1	Worst Case		165°	SOURCE TDV-E TDV-T	15.8 274.8 187.0	11.3 203.4 171.3	4.6 71.4 15.7			165°	SOURCE TDV-E TDV-T	19.0 290.6 202.8	14.1 246.7 199.3	4.9 43.9 3.5	Worst Case Worst Case		165°	SOURCE TDV-E TDV-T	18.5 267.7 180.0	11.4 195.7 178.6	7.1 72.0 1.4	Worst Case Worst Case		165°	SOURCE TDV-E TDV-T	18.9 288.6 200.8	14.0 245.2 196.1	4.9 43.4 \	Worst Case
D		SOURCE TDV-E TDV-T	17.3 308.7 220.9	9.5 204.7 141.7	7.9 103.9		D		SOURCE TDV-E TDV-T	14.4 287.6 199.8	10.8 206.5	3.5 81.0		D		SOURCE TDV-E	16.9 311.8	13.6 249.5	3.3 62.2	Worst Case	D		SOURCE TDV-E	14.5 309.6	10.9 198.8	3.5 110.8	Worst Case	D		SOURCE TDV-E	16.7 309.8	13.4 248.1	3.3 \\ 61.7	Vorst Case
	210°	SOURCE TDV-E	18.5 323.3	9.8 210.0	79.2 8.7 113.3			210°	SOURCE TDV-E	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 13.9 253.5	21.7 4.7 73.2			210°	TDV-T SOURCE TDV-E	221.8 18.4 301.1	181.7 11.3 205.1	40.1 7.1 96.0			210°	TDV-T SOURCE TDV-E	222.1 18.5 325.0	199.1 13.8 252.4	23.0 4.7 72.6	
2!	255°	TDV-T SOURCE TDV-E	235.5 19.6 313.5	148.3 10.2 208.9	87.2 9.4 104.6			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 19.8 317.1	207.2 14.2 252.7	31.8 5.6 64.4			255°	TDV-T SOURCE	213.4 17.0	188.3 11.6	25.0 5.4			255°	TDV-T SOURCE TDV-E	237.3 19.6 315.2	204.4 14.0 251.5	32.9 5.6 63.7	
31	300°	TDV-T SOURCE	225.7 18.7	146.8 9.9	78.9 8.8			300°	TDV-T SOURCE	196.6 15.2	178.5 11.2	18.1 4.0	Worst Coo.		300°	TDV-E TDV-T SOURCE	229.3 18.8	206.1 14.0	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-T SOURCE	227.4 18.7	203.2 13.8	24.3 4.9	
3	345°	TDV-E TDV-T SOURCE	300.6 212.9 17.6	203.2 140.0 9.5	97.4 72.8 8.1			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 17.4	247.7 200.3 13.6	51.1 10.7 3.8			345°	TDV-E TDV-T SOURCE	269.8 182.0 14.6	196.2 179.1 11.0	73.6 3.0 3.6			345°	TDV-E TDV-T SOURCE	296.8 209.0 17.2	246.3 197.1 13.4	50.5 11.9 3.8	

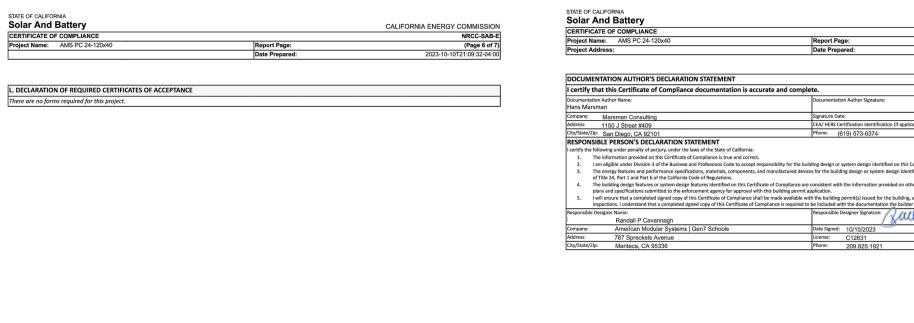
2022 CBC PRE-CHECK (PC) DOCUMENT
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRE MANUFACTURER PROFESSIONAL OF FECORD ON PC THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

		COMPLIANCE												NRCC-SAB-E
roject Name	): <i>,</i>	AMS PC 24-12	0x40							t Page:				(Page 3 of 7)
		+						ĮD:	ate P	repared:				2023-10-10T21:09:32-04:00
. COMPLIA	NCE E	FSHITS					_				_			
			ally c	alculated from a	lata	innut and calcu	latio	ns in Tahles F ti	hroud	nh I Note: If an	, cell	on this table say	s "DOES NOT O	OMPLY" or "COMPLIES with
				for guidance o						in it reces is any	cen	on this table say	5 50157107 0	SIMILEY OF COMMITTEES WITH
Allocat	ed So	lar Zone		Installed	d PV	System		Installed	SWI	H System		Smart Tstat an EE Me		Compliance Results
01		02	1	03		04		05		06	1	07	08	
Required Minimum Area (ft²)	<=	Designated Area (ft²)	OR	Required Minimum DC Power Rating (Watts)	<=	Designed DC Power Rating (Watts)	OR	Required Minimum Solar Savings Fraction	<=	Designed/Rat ed Solar Savings Fraction	OR	JA5 Compliant Thermostat Specified?	Alternative Energy Efficiency Measure	COMPLIES
(Se	e Tab	le F)	İ	(See Ta	bles	G or J)	İ	(See	Tab	le H)	İ	(See Ta	able I)	
720	<=	720	OR		<=		OR		<=		OR			
2.0 Roofing	Plan f	or Solar Zones		ition in construc he routing of co								equipment and per §110.10(c).	a pathway	COMPLIES
attery storag able J.	ge syst	em design me	ets th	e minimum req	uirer	nents in Joint A	pper	ndix JA12 and th	ne mi	inimum energy	(kWl	n)/ power (kW)	capacity per	Not Applicable
. EXCEPTIO	NAL	CONDITIONS												
his table is a	uto-fil	led with unedi	table	comments beca	use	of selections m	ade o	r data entered	in tai	hles throughou	the	form.		

Results in this table are automatically calculated from data input and calculation	ns in Tables F through I. Note: If any cell	on this table says "DOFS NOT	COMPLY" or "COMPLIES with	F. ALLOCATED SO	OLAR ZONE									
xceptional Conditions" refer to Table D. for guidance or see the applicable Table Allocated Solar Zone Installed PV System 01 02 03 04		Smart Tstat and Alternative EE Measure 07 08		This table demons met. Each subared	strates that th a must be sho	ne project has wn on a roof	designated the minim plan or documented in	comply with <u>§110.10(b)1B</u> . Num area required for the Alli construction documents. The ion pathways must also be i	ocated Solar Zo ne solar zones r	one, and also th must also comp	hat the require ply with fire co	ments for Solar Zo de requirements, l	one Subareas h including, but i	ave been not limited
Described	Required Designed/Rat OR	JA5 Alternative	1	Required Minim	num Solar Zo	one								
Required Minimum Area (ft²)	Minimum <= ed Solar Solar Savings Savings Fraction Fraction	Compliant Energy Thermostat Efficiency Specified? Measure	COMPLIES	01	02	03 Total New or	04 Minimum Solar	05		06 olar Zone Area: >= 70% Solar A		07	<u>'</u>	08
(See Table F)         (See Tables G or J)           720         <=		g equipment and a pathway	COMPLIES	Minimum Solar Zone Area Calculation Method	Total New or Added Roof Area (ft²)	Area	or Added Roof Area (0.15 x (Roof-Skylt))	Method/ Tools Used to Determine Annual Solar Access for Potential Zones	Low-Sloped Area ( <= 2:12 pitch)	Steep-Sloped Area ( > 2:12 pitch) Oriented 90 °	Potential Solar Zone	Minimum Solar i Potential Zone Potential Zo	(0.5 x (Total	Required Minimur Solar Zor Area (ft <sup>2</sup>
Factor volume from the sound solves for the routing of conduit/ plumbing to the e Battery storage system design meets the minimum requirements in Joint Appen Table J.			Not Applicable	Total New or Added Roof	4800	0	720		(ft²)	- 300 ° (ft²)	Area (ft²)			720
D. EXCEPTIONAL CONDITIONS				Area  Designated Sola	ır Zone Suba	reas								
This table is auto-filled with uneditable comments because of selections made o	r data entered in tables throughout the	form.		09	10	11	12	13	14	15	16	17	18	19
E. ADDITIONAL REMARKS This table is includes remarks made by the permit applicant to the Authority Hav	ving Jurisdiction.			Subarea Name or Tag	Building Plan Reference	Roof or Overhang Slope (Low <= 2:12 pitch) (Steep	Is Steep-Sloped Roof or Overhang between 90 and 300 degrees?	Subarea Complies with Title 24, Part 9	Solar Zone Subarea Free of Obstructions per §110.10(b)3	Subarea is Required Distance from Potential Obstructions per	Is the Smallest Dimension 5 feet or greater?	Min. Area Required per Subarea (ft²)	Designated Area (ft²)	Subarea Complies
					Plan for Solar	> 2:12 pitch		Yes	<u>A</u> Yes	§110.10(b)3 <u>B</u> Yes	Yes	80	720	COMPLI
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Generated Date/Time: Report Version: 2022.0.000 Schema Version: rev 20220101		entation Software: Energy Code Ace Compliance ID: 92981-1023-0032 ort Generated: 2023-10-10 18:09:34	Zones  CA Building Ener	Zones rgy Efficiency	Standards - 2	022 Nonresidential Co	mpliance Report Ve	Date/Time: rsion: 2022.0.0 ersion: rev 202		I		Software: Ene	31-1023-00

State of California
Solar And Battery





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

DECRONICIPI E DEDCONIC DECLADATION STATEMENT	
RESPONSIBLE PERSON'S DECLARATION STATEMENT	
I certify the following under penalty of perjury, under the laws of the State of California:	
<ol> <li>The information provided on this Certificate of Compliance is true and correct.</li> </ol>	
	r the building design or system design identified on this Certificate of Compliance (responsible designer)
<ol><li>The energy features and performance specifications, materials, components, and manufacture of Title 24, Part 1 and Part 6 of the California Code of Regulations.</li></ol>	ed devices for the building design or system design identified on this Certificate of Compliance conform to the requirements
<ol> <li>The building design features or system design features identified on this Certificate of Compilar plans and specifications submitted to the enforcement agency for approval with this building p</li> </ol>	ance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, permit application.
	ilable with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable quired to be included with the documentation the builder provides to the building owner at occupancy.
Responsible Designer Name:	Responsible Designer Signature:
Randall P Cavannagh	/ future future
Company: American Modular Systems   Gen7 Schools	Date Signed: 10/10/2023
Address: 787 Spreckels Avenue	License: C12631
City/State/Zip: Manteca, CA 95336	Phone: 209,825,1921

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-122977 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

**HMC** Architects

3595001000

2101 CAPITOL AVENUE, SUITE 100 SACRAMENTO, CA 95816

916 368 7990 / www.hmcarchitects.com

△ **DESCRIPTION** 

DATE ADDENDUM "A" 3/20/25

**KEYNOTES** 

**GENERAL NOTES** 

POET CHRISTIAN ELEMENTARY SCHOOL

POET CHRISTIAN ES - TK CLASSROOM

**ENERGY CALCULATIONS 36'x40' BUILDING GROUP 'C'** 

1701 S CENTRAL AVE.

**TRACY, CA 95376** 

PROJECT:

DATE: 04/03/24

UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

PROJECT NO: SHEET TITLE:

36'x40' BUILDING

**American Modular Systems** 787 Spreckels Ave., Manteca, CA 95336 Phone (209) 825-1921 Fax (209) 825-7018 www.americanmodular.com

NRCC-PRF-E

(Page 4 of 18)

Compliance Margin (TDV)<sup>1</sup>

-6.77

-15.8

41.17

11.43

30.03 (14.7%)

30.03 (14.7%)

NRCC-PRF-E

NRCC-PRF-E

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PRE-CHECKED SET NAME 24' x 40' THRU 120' x 40' STANDARD MODULAR BUILDING Report Generated: 2023-09-03 10:45:10

SITE SPECIFIC PROJECT NAME

APPROVED DIV. OF THE STATE ARCHITECT APP: 04-122050 PC SS D PCS D ACS D CG D

2022 CBC PRE-CHECK (PC) DOCUMENT MANUFACTURER PROFESSIONAL OF RECORD ON PC

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION

AA AS NOTED MM/DD/YY XXXX-22

**ENERGY CALCULATIONS** 

GROUP 'C'

SHEET NUMBER:

CEF	RTIFICATE OF COMPLIANCE - NO	NRESIDENTIAL PERFORMANCE COMPLIANCE METH	IOD	·		NRCC-PRF-E
No	nresidential Performance Compl	liance Method				(Page 1 of 18)
Pro	ject Name:			AMS PC 36x40	Date Pre	pared: 2023-09-03
A. G	General Information					
1	Project Name	AMS PC 36x40				
2	Run Title	Title 24 Analysis				
3	Project Location					
4	City	Fresno	5	Standards Version		Compliance 2022
6	Zip code	93703	7	Compliance Software	(version)	CBECC 2022.3.0 (1302)
8	Climate Zone	13	9	Building Orientation	(deg)	75
10	Building Type(s)	Nonresidential	11	Weather File		FRESNO-YOSEMITE_STYP20.epw
12	Project Scope	New complete scope	13	Number of Dwelling	Units	0
14	Total Conditioned Floor Area in Scope (ft²)	1440	15	Total # of hotel/mote	l rooms	0
16	Total Unconditioned Floor Area (ft²)	0	17	Fuel Type		None
18	Nonresidential Conditioned Floor Area	1440	19	Total # of Stories (Hal Above Grade)	bitable	1
20	Residential Conditioned Floor Area	0				

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Report Generated: 2023-09-03 10:45:10

Standard Design (TDV)

65.89

270.77

Proposed Design (TDV)

65.89

240.74

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

Nonresidential Performance Compliance Method

C3. TDV ENERGY RESULTS FOR NON-REGULATED COMPONENTS

TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONENTS)

<sup>1</sup> Notes: This table is not used for Energy Code Compliance.

Other Ltg

Process Motors

Non-Regulated Energy Component

Schema Version: rev 20220601

NRCC-PRF-E

(Page 5 of 18)

Compliance Margin (TDV)<sup>1</sup>

30.03 (11.1%)

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NRCC-PRF-E

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

C4. SOURCE ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual SOURCE Energy Use, kBtu/ft²/yr)

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

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

Nonresidential Performance Compliance Method

Space Cooling

Indoor Fans

Heat Rejection

Pumps & Misc.

Flexibility

Domestic Hot Water Indoor Lighting

TOTAL COMPLIANCE

EFFICIENCY COMPLIANCE TOTAL

Energy Component

MultiFam Not Included

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

**Building Components Complying via Performance** 

Mechanical (See Table H) Commercial Kitchens (see

Nonres Performance Solar Thermal Water

Envelope (See Table G)

Norres

Perrormance

Solar Thermal Water
Heating (See Table I3)

Not Included

Not Included

Not Included

Not Included

Not Included

Not Included

Not Included

Not Included

Not Included

Not Included

Not Included

Not Included

Not Included

Not Included

Not Included

Not Included

Not Included

Not Included

Not Included

Not Included

Domestic Hot Water (See Table I)

Nonres

Not Included

Covered Process:
Laboratory Exhaust (see Table J)

Not Included

Covered Process:
Laboratory Exhaust (see Table J)

Not Included

Building Components Complying with Mandatory Measures

COMPLIES<sup>2</sup>

Standard Design (SOURCE)

4.36

15.2

Photovoltaics (see Table

| MultiFam | Not Included | Table J) | 🖂 | Not Included | Outdoor Lighting 140.7 & 170.2(e)

Nonres Performance Covered Process: Performance Commercial Kitchens (see Indoor Lighting (Unconditioned) 140.6 & NRCC-LTI-E is required

Nonresidential Performance Compliance Method

B. PROJECT SUMMARY

see Table K)

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Building Components Complying Prescriptively

Electrical power systems, commissioning, solar ready, elevator and

shown on the NRCC-PRF-E.)

Proposed Design (SOURCE) Compliance Margin (SOURCE)<sup>1</sup>

4.96

12.43

Not Included Electrical Power Distribution 110.11 NRCC-ELC-E is required

escalator requirements are mandatory and should be documented

NRCC-PRF-E

(Page 2 of 18)

NRCC-CXR-E is required

NRCC-SAB-E is

NRCC-PRF-E

(Page 6 of 18)

0.94

2.77 (18.2%)

2.77 (18.2%)

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

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

**Nonresidential Performance Compliance Method** 

Other Ltg

**Process Motors** 

C5. SOURCE ENERGY RESULTS FOR NON-REGULATED COMPONENTS

TOTAL ( TOTAL COMPLIANCE + NON-REGULATED COMPONENTS)

<sup>1</sup> Notes: This table is not used for Energy Code Compliance

This project is pursuing CalGreen Tier 1

Non-Regulated Energy Component

COMPLIES<sup>3</sup>

Efficiency<sup>1</sup> (kBtu/ft<sup>2</sup> - yr)

204.88

174.85

30.03

<sup>3</sup> New Construction, Complete Addition Scope: Building complies when all efficiency and total compliance margins are greater than or equal to zero and unmet load hour limits

Existing, Addition and Alteration Scope: Building complies when efficiency compliance margin is greater than or equal to zero and unmet load hour limits are not exceeded

Schema Version: rev 20220601

Standard Design (SOURCE)

4.93

Time Dependent Valuaton (TDV)

Total<sup>2</sup> (kBtu/ft<sup>2</sup> - yr)

174.85

30.03

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

<sup>1</sup> Efficiency measures include improvements like a better building envelope and more efficient equipment

<sup>2</sup> Compliance Totals include efficiency, photovoltaics and batteries

Nonresidential Performance Compliance Method

C1. COMPLIANCE SUMMARY

Standard Design

Compliance Margins

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

C2. TDV ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft² - yr)

COMPLIES<sup>2</sup>

Standard Design (TDV)

99.19

204.88

204.88

Schema Version: rev 20220601

<sup>1</sup> Notes: This number in parenthesis following the Compliance Margin in column 4, represents the Percent Better than Standard.

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

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

Proposed Design (TDV)

39.75

114.99

10.24

174.85

174.85

Nonresidential Performance Compliance Method

Space Heating

Space Cooling

Heat Rejection

Pumps & Misc.

Domestic Hot Water

EFFICIENCY COMPLIANCE TOTAL

Indoor Lighting

TOTAL COMPLIANCE

Flexibility

Indoor Fans

**Energy Component** 

NRCC-PRF-E

(Page 3 of 18)

Source Energy Use

Total<sup>2</sup> (kBtu/ft<sup>2</sup> - yr)

12.43

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Proposed Design (SOURCE) Compliance Margin (SOURCE)<sup>1</sup>

17.36

☐ This project is pursuing CalGreen Tier 2

NRCC-PRF-E

(Page 7 of 18)

2.77 (13.8%)

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						

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Report Generated: 2023-09-03 10:45:10

 Name or Item Tag
 Qty
 Design OA CFM
 Supply Fan
 Return / Relief Fan
 Status¹

 FC-1
 1
 547.2
 1,600
 0.7
 InH2O
 VSD
 N/A
 N/A
 N/A
 N/A
 N/A
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 N/A

Notes: This table includes controls related to the performance path only. For projects using the prescriptive path, mandatory and prescriptive controls requirements are documented on the

547.2

02 03 04 05

Report Generated: 2023-09-03 10:45:10 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000

- Tomesidentian Feb	rformance Compliance Me							(i ugc	11 of 18		
 36A. OPAQUE DOOF	R SUMMARY (NONRESIDENTI	AL)									
	01	02			03			04			
Assen	nbly Name	Area (1	ft²)	Overal	l U-factor			Status <sup>1</sup>			
Door 42 0.7 N											
	ASSEMBLY SUMMARY (NON	IRESIDENTIAL)	02	04	05	06	07	00	1 00		
01 Fenestration	ASSEMBLY SUMMARY (NON 02 Fenestration Type/ Produ	-	03 Certification	04 Assembly Method	05 Area	06 Overall	07 Overall SHGC	08 Overall VT	09 Statu		
01	02 Fenestration Type/ Produ	ıct Type / Frame Type									
01 Fenestration	02	act Type / Frame Type estration ndow	Certification		Area	Overall			09 Status		

H1. DRY SYSTEM EQUIPMENT (FURNACES, AIR HANDLING UNITS, HEAT PUMPS, VRF, ECONOMIZERS ETC.) <sup>1</sup> Status: N - New, A - Altered, E - Existing

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

Equipment Name Equipment Type Qty Total Heating Output (kBtu/h) Supp Heat Output (kBtu/h) Efficiency Unit (kBtu/h) Efficiency Unit (kBtu/h) Efficiency Outpu

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

<sup>1</sup> Yes = interlocks are provided, No = interlocks are not provided, NA means no operable openings.

H9. NONRESIDENTIAL / COMMON USE AREA & HOTEL/MOTEL VENTILATION

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

Nonresidential Performance Compliance Method

H8. SYSTEM SPECIAL FEATURES

Zone Name

Zn FC-1 L01

H3. NONRESIDENTIAL / COMMON USE AREA FAN SYSTEMS SUMMARY

Schema Version: rev 20220601

Interlocks per 140.4(n)<sup>1</sup>
Other Special reason.

Zone(s) With CO2 Sensor Vent. Control

Exhaust CFM Conditioned Area (sf)

CLIENT PROJ NO: 3595001000

PLEASE RECYCLE 🖧

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD Nonresidential Performance Compliance Method C8. ENERGY USE INTENSITY (EUI) Standard Design (kBtu/ft² / yr) | Proposed Design (kBtu/ft² / yr) GROSS EUI<sup>1</sup> D1. EXCEPTIONAL CONDITIONS The building does not include service water heating. Verify that service water heating is not required and is not included in the design. • Project is claiming Exception 2 to Section 140.10(a): No PV system is required where the required PV system size is less than 4 kWdc. 01 Total Gross Surface Area (ft<sup>2</sup>) West-Facing<sup>4</sup> CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Schema Version: rev 20220601

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

<sup>1</sup> Notes: Gross EUI is Energy Use Total (not including PV)/Total Building Area. Net EUI is Energy Use Total (including PV)/Total Building Area. • Project is claiming Exception 2 to Section 140.10(b): No battery storage system is required in buildings with battery storage system requirements with less than 10 kWh rated • Project is claiming Exception 3 to Section 140.10(b): No battery storage system required for tenant spaces less than or equal to 5,000 ft2. Window to Wall Ratio (%) <sup>1</sup>North-Facing is oriented to within 45 degrees of true north, including 45 00'00" east of north (NE), but excluding 45 00'00" west of north (NW), <sup>2</sup>East-Facing is oriented to within 45 degrees of true east, including 45 00'00" south of east (SE), but excluding 45 00'00" north of east (NE), <sup>3</sup>South-Facing is oriented to within 45 degrees of true south, including 45 00'00" west of south (SW), but excluding 45 00'00" east of south (SE), 4West-Facing is oriented to within 45 degrees of true west, including 45 00'00" north of west (NW), but excluding 45 00'00" south of west (SW), Report Generated: 2023-09-03 10:45:10

Nonresidential Performance Compliance Method (Page 9 of 18) Margin Percentage **Building Story Name** 11.89 11.89 Surface Name Construction Type Area (ft²) Framing Type Cavity R-Value Interior Exterior Units Value Ext Roof Floor over Crawlspace Exterior Floor 1,440 N/A 0 N/A N/A U-factor 0.104 Concrete - 140 lb/ft3 - 2 in.

> CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Report Generated: 2023-09-03 10:45:10 Schema Version: rev 20220601

(Page 10 of 18) Air Barrier Plywood - 1/2 in.

Acoustic Tile - 3/8 in

R-13 in Metal Studs Gypsum Board - 1/2 in.

Vapor permeable felt - 1/8 in.

NRCC-PRF-E

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Package SZ VAV Heat Pump Air System

Report Generated: 2023-09-03 10:45:10

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-122977 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹



**HMC** Architects

3595001000

2101 CAPITOL AVENUE, SUITE 100 SACRAMENTO, CA 95816

916 368 7990 / www.hmcarchitects.com

△ **DESCRIPTION** 

ADDENDUM "A" 3/20/25

DATE

**KEYNOTES** 

**GENERAL NOTES** 

FACILITY:

POET CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE. **TRACY, CA 95376** 

PROJECT:

POET CHRISTIAN ES - TK CLASSROOM

ENERGY CALCULATIONS 36'x40' BUILDING GROUP 'C'

CLIENT PROJ NO: 359500100

ADDENDUM "A"

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-E Nonresidential Performance Compliance Method (Page 13 of 18) H11. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY Rated Capacity (kBtuh) Airflow (cfm) Fan Heating Cooling Design Mln. Min. Ratio Power Units Cycles VSI Variable Air Volume No 1 N/A N/A 1,600 650 0.41 N/A N/A N/A FC-1\_TRM Reheat Box K1. INDOOR CONDITIONED LIGHTING GENERAL INFO Additional (Custom) Allowance Area Category Footnotes
(Watts)

Area Category Footnotes
(Watts) Occupancy Type<sup>1</sup> Conditioned Floor Area<sup>2</sup> (ft<sup>2</sup>) (Watts) (Watts) Classroom, Lecture, or 1440 0 Training Vocational Building Totals:

cumentation Author Signature:

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

The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this

. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. I understand that a registered copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to

6. I understand that a registered copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at

Date Signed: 09/05/23

Date Signed: 09/05/23

License #: C12631

Title: Architect

Responsible Designer Signature:

License #: C12631 Title: Architect

Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.

the enforcement agency for all applicable inspections, and I will take the necessary steps to accomplish this requirement.

Documentation Author Signature:

Signature Date:

CEA/HERS Certification Identification (if applicable
Phone: (619) 573-6374

Digitally signed by Hans Marsman, LEED AP, CEA
Date: 2023.09.07
15:07:47-06'00'

Jamil Munis

Raull llums

Report Generated: 2023-09-03 10:45:10

Scope: Mechanical

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Report Generated: 2023-09-03 10:45:10

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

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

I certify the following under penalty of perjury, under the laws of the State of California: 1. The information provided on this Certificate of Compliance is true and correct.

occupancy, and I will take the necessary steps to accomplish these requirements

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

Occumentation Author Name: Hans Marsman, CEA, LEED AP BD+C

Nonresidential Performance Compliance Method

**Documentation Author's Declaration Statement** 

Responsible Person's Declaration statement

Compliance (responsible designer)

Responsible Designer Name: Randall P Cavannagh

Responsible Designer Name: Randall P Cavannagh

Company: American Modular Systems | Gen7 Schools

Address: 787 Spreckels Avenue

Address: 787 Spreckels Avenue

Phone: 209.825.1921

City/State/Zip: Manteca, CA 95336

City/State/Zip: Manteca, CA 95336

Company: American Modular Systems | Gen7 Schools

Company: Marsman Consulting

Address: 1150 J Street #409 City/State/Zip: San Diego, CA 92101

<sup>1</sup>See Table 140.6-C

<sup>2</sup>See NRCC-LTI--E for unconditioned spaces

K2. INDOOR CONDITIONED LIGHTING SCHEDULE Complete Luminaire
Description (i.e. 3-lamp
fluorescent troffer, F32T8, Installed Watts (Conditioned) one dimmable electronic ballast) Watts per luminaire How is Wattage determined Total Number of Luminaires Installed Watts <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. 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) Area Description

Primary Function Area (must meet requirements of Table 140.6-A and 170.2-L)

Type of Lighting Control

Type of Lighting Control

Power Adjustment Factor (PAF)

Luminaire

Watts per Luminaires

# of Lighting Controlled (Watts)

Control Credit (Watts) Training Vocational 2x4 LED 45 6 270 0 N/A Classroom 101 Training Vocational Lighting Control Credits (Conditioned) Total (Watts) 0 K4. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROL **Building Level Controls** Shut-Off Controls 130.1(c) & 160.5(b)4C Mandatory Demand Response 110.12(

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

Nonresidential Performance Compliance Method

Report Generated: 2023-09-03 10:45:10 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000

Indoor Lighting

NRCA-LTI-03-A - Automatic Daylight Controls.

NRCA-MCH-02-A - Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH-02-A can be performed in conjunction with

NRCA-MCH-02-A - Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH-02-A can be performed in conjunction with CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000

NRCC-PRF-E

(Page 14 of 18)

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

Area Level Controls (includes all lighting controls installed in conditioned space to meet mandatory requirements per 130.1)

NRCI-MCH-01-E - Must be submitted for all buildings

to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP).

NRCA-LTI-02-A - Occupancy Sensors and Automatic Time Switch Controls.

NRCA-ENV-02-F - NRFC label verification for fenestration

03 04 05 06 07 08 09

Area Description Area Category Primary Function Area

Classrooms Skylit Zn

Classroom, Lecture, or Training Vocational

Required Required Required Required Required Required Required NA

Selections made by Documentation Author indicate which Certificates of Installation must be submitted for the features to be recognized for compliance. These documents must be retained

Indoor Lighting

Indoor Lighting

NRCI-LTI-E - Indoor Lighting (for all buildings)

NRCI-LTI-E - Indoor Lighting (for all buildings)

NRCI-LTI-02-E- Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for ...

Selections made by Documentation Author indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided

Nonresidential Performance Compliance Method

L. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

M. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

**Building Component** 

Indoor Lighting

d provided to the building inspector during construction and can be found online

Building Component

Sovelone NRCI-ENV-01-E - Must be submitted for all buildings

Mechanical NRCI-MCH-U1-E - Must be submitted for all buildings

Mechanical NRCI-MCH-E - For all buildings with Mechanical Systems

Plumbing NRCI-PLB-01-E - Must be submitted for all buildings

Indoor Lighting NRCI-LTI-01-E - Must be submitted for all buildings

Envelope NRCI-ENV-01-E - Must be submitted for all Envelope NRCI-ENV-E - Envelope (for all buildings)

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NRCC-PRF-E

(Page 15 of 18)

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

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

Nonresidential Performance Compliance Method

Mechanical

M. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

N. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

and provided to the building inspector during construction and can be found online

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NRCC-PRF-E (Page 16 of 18) Selections made by Documentation Author indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided **American Modular Systems** to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). NRCA-MCH-06-A Demand Control Ventilation Systems must be submitted for all systems required to employ demand controlled ventilation 787 Spreckels Ave., Manteca, CA 95336 Mechanical (refer to ) can vary outside ventilation flow rates based on maintaining interior carbon dioxide (CO2) concentration setpoints.

Mechanical NRCA-MCH-07-A Supply Fan Variable Flow Controls

Mechanical NRCA-MCH-19-A Occupancy Sensor Controls Phone (209) 825-1921 Fax (209) 825-7018 www.americanmodular.com Selections made by Documentation Author indicate which Certificates of Verification must be submitted for the features to be recognized for compliance. These documents must be retained INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMEN There are no Certificates of Verification applicable to this project

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GHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HE

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PRE-CHECKED SET NAME 24' x 40' THRU 120' x 40' STANDARD MODULAR BUILDING

SITE SPECIFIC PROJECT NAME

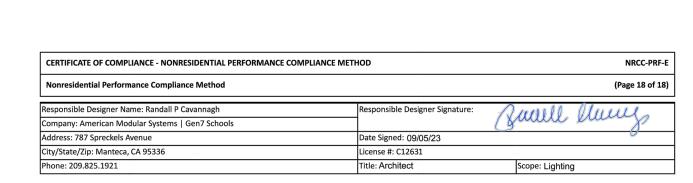
APPROVED DIV. OF THE STATE ARCHITECT APP: 04-122050 PC SS D FLS D ACS Q CG D

2022 CBC PRE-CHECK (PC) DOCUMENT MANUFACTURER PROFESSIONAL OF RECORD ON PC

> THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

DRAWN BY: AA AS NOTED MM/DD/YY

**ENERGY CALCULATIONS** 36'x40' BUILDING GROUP 'C'



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

Report Generated: 2023-09-03 10:45:10

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NRCC-PRF-E

(Page 17 of 18)

REVISIONS

XXXX-22 PROJECT NO:

EN.15

roject Name:

Registration Number:

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Generated Date/Time:

Report Version: 2022.0.000

Documentation Software: Energy Code Ace

Compliance ID: 92981-0323-0007

Generated Date/Time:

Report Version: 2022.0.000

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Documentation Software: Energy Code Ace

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

Compliance ID: 92981-0323-0007

Registration Number:

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Generated Date/Time:

Report Version: 2022.0.000

Documentation Software: Energy Code Ace

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

Compliance ID: 92981-0323-0007

Registration Number:

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-122977 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 03/12/2025

**HMC** Architects

3595001000

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

**DESCRIPTION** 

DATE A ADDENDUM "A" 3/20/25

**KEYNOTES** 

FACILITY: POET CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE.

PROJECT:

POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME: **ENERGY CALCULATIONS SUPPLEMENTAL SHEET** 

Indoor Lighting Indoor Lighting **Indoor Lighting** Indoor Lighting CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE NRCC-LTI-E CERTIFICATE OF COMPLIANCE CERTIFICATE OF COMPLIANCE NRCC-LTI-E CERTIFICATE OF COMPLIANCE NRCC-LTI-E This document is used to demonstrate compliance with requirements in 110.9, 110.12(c), 130.0, 130.1, 140.6 and 141.0(b)2 for indoor lighting scopes using the prescriptive path for Project Name: (Page 4 of 7 Project Name: (Page 2 of 7) Project Name: 2023-03-06T11:31:48-05:00 2023-03-06T11:31:48-05:00 2023-03-06T11:31:48-05:00 nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e) and 180.2(b)4 for indoor lighting scopes using the prescriptive ath for multifamily occupancies. Multifamily includes dormitory and senior living facilities. H. INDOOR LIGHTING CONTROLS (Not including PAFs) F. INDOOR LIGHTING FIXTURE SCHEDULE C. COMPLIANCE RESULTS This table includes all planned permanent and portable lighting other than dwelling unit/hotel/motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is f any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance. A. GENERAL INFORMATION ocumented in Table T. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are Complete Building or Area Category Primary Function Area Category Primary Function Area Category Primary Function Area Category Primary Function Area Controls 130.1(a) / 160.5(b)4A 160.5(b)4B Shut-Off Controls 130.1(c) // 160.5(b)4C Primary/Sky lit Daylighting 130.1(d) / 160.5(b)4D 170.2(e)2A 170.2(e)2A 170.2(e)2A Project Location (city) Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts) **Compliance Results** 4 Total Conditioned Floor Area (ft<sup>2</sup>) (Watts) esigned Wattage: Unconditioned Space Unconditioned Floor Area (ft²) Field Inspector Name or Item Complete Luminaire Tag Description Particle (Track) Fixture Color Change Luminaire 2 Color Change Color Chang Area Description unconditioned Total Designed (Watts) PAF Lighting Control Credits 140.6(a)2 / 170.2(e)1B (-)

(See Table F) (See Table P) Readily
Accessible

NA: Restrooms
Occupancy Sensor

NA: Not
daylit zone
NA: Not
daylit zone
NA: Not
daylit zone
NA: Not
daylit zone
NA: Not
daylit zone
NA: Not
daylit zone
NA: Not
daylit zone
NA: Not
daylit zone 05 must be >= 08 (Watts) Allowed (Watts) Restrooms Readily NA: General Accessible Ltg <= 0.5W/SF NA: Elec. equip. rm Plumb Chase 141.0(b)2 / 180.2(b)4 for alterations. OOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per 140.6(a)4B / 170.2(e)2D is adjusted to be 75% /80% of their rated wattage. Table F Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b). Wattage used must be the maximum rated for the Rated Power Reduction Compliance (See Table Q for Details I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS New Lighting System each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per New Lighting System - Parking Garage D. EXCEPTIONAL CONDITIONS G. MODULAR LIGHTING SYSTEMS Total Area of Work (ft²) This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form. This section does not apply to this project. 02 03 04

Complete Building or Area Category Primary
Function Area
(M/fr²)

Area (ft²) 05 06

Allowed Wattage Additional Allowance / Adjustmen Area Description (W/ft²) Area (ft²) Area (ft²)

0.65 365

0.4 115

TOTALS: 480 
 Allowed Wattage (Watts)
 Area Category
 PAF

 237.25
 No
 No

 46
 No
 No
 INDOOR LIGHTING CONTROLS (Not including PAFs) s table includes lighting controls for conditioned and unconditioned space Electrical Mechancial Telephone Room Plumb Chase 46 No No No 283.25 See Tables J, or P for detail Mandatory Demand Response 110.12(c) Shut-off controls 130.1(c) / 160.5(b)4C ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM NA < 4,000W subject to multilevel Documentation Software: Energy Code Ace Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace Registration Number: Generated Date/Time: Compliance ID: 93007-0323-0004 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 93007-0323-0004 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 93007-0323-0004 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 93007-0323-0004 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Report Generated: 2023-03-06 08:31:50 Report Generated: 2023-03-06 08:31:50 Indoor Lighting Indoor Lighting **Indoor Lighting Outdoor Lighting** CERTIFICATE OF COMPLIANCE CERTIFICATE OF COMPLIANCE CERTIFICATE OF COMPLIANCE CERTIFICATE OF COMPLIANCE his document is used to demonstrate compliance with requirements in 110.9, 130.0, 130.2, 140.7, and 141.0(b)2L for outdoor lighting scopes using the prescriptive path for AMS PC 24x40 UC Ltg Report Page 2023-03-06T11:31:48-05:00 nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e)6, 180.1(a) and 180.2(b)4Bv for outdoor lighting scopes using prescriptive path for multifamily and mixed-use occupancies. Multifamily includes dormitory and senior living facilities. AMS PCs Ext Ltg - T24-22 Report Page: Project Address: OCUMENTATION AUTHOR'S DECLARATION STATEMEN K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAR ertify that this Certificate of Compliance documentation is accurate and complete is section does not apply to this project. This section does not apply to this project nentation Author Name: 04 Total Illuminated Hardscape Area (ft<sup>2</sup>) pany: Marsman Consulting L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY . DWELLING UNIT LIGHTING A/ HERS Certification Identification (if applicable): 1150 J Street #409 Outdoor Lighting Zone per Title 24 Part 1 10.114 or as designated by Authority Having Jurisdiction (AHJ) is section does not apply to this project. his section does not apply to this project LZ-0: Very Low - Undeveloped Parkland 

LZ-2: Moderate - Urban Clusters

LZ-4: High - Must be reviewed by CA Energy Commission for Approval

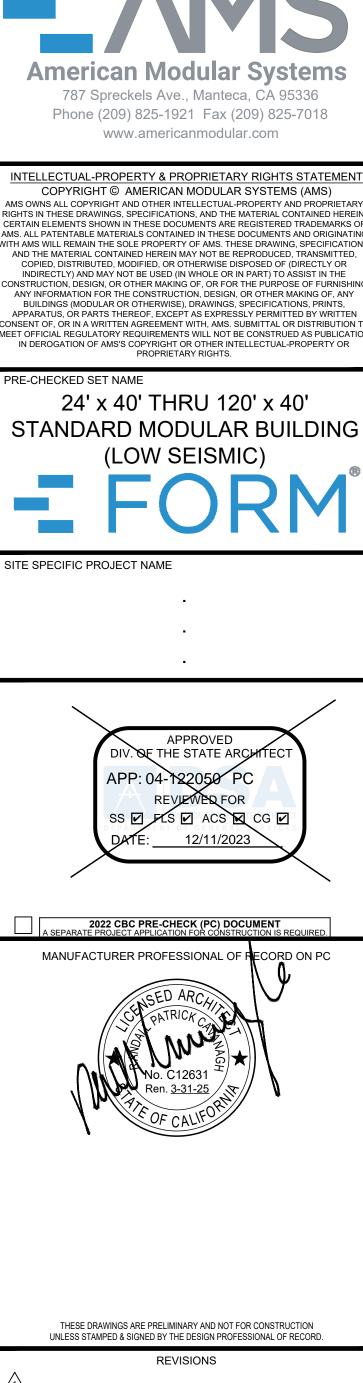
LZ-1: Low - Rural Areas

LZ-3: Moderately High - Urban Areas SPONSIBLE PERSON'S DECLARATION STATEMENT ify the following under penalty of perjury, under the laws of the State of California M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING J. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION The information provided on this Certificate of Compliance is true and correct. 05 Occupancy Types within Project Form/Title The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the req Classroom of Title 24, Part 1 and Part 6 of the California Code of Regulations. The building design features or system design features or system design features or system design features or system design features or system design features or system design features or system design features or system design features or system design features or system design features or system design features or system design features or system design features or system design features designed documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable NRCI-LTI-E - Must be submitted for all buildings N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS B. PROJECT SCOPE is section does not apply to this project. V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE Systems/Spaces To Be Fiel Form/Title My Project Consists of: Verified American Modular Systems | Gen7 Schools his section does not apply to this project. 787 Spreckels Avenue RCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch control Comply with Allowances from 140.7 / 170.2(e)6 Altered Lighting Systen P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF)) This section does not apply to this project Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE ALTERATIONS Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires. FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100. R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS This section does not apply to this project. Generated Date/Time: Generated Date/Time: Documentation Software: Energy Code Ace Registration Number: Documentation Software: Energy Code Ace Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 93007-0323-0004 Report Version: 2022.0.000 Compliance ID: 92981-0323-0007 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 93007-0323-0004 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: 93007-0323-0004 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Schema Version: rev 20220101 Report Generated: 2023-03-06 08:31:50 Report Generated: 2023-03-06 07:40:22 STATE OF CALIFORNIA **Outdoor Lighting Outdoor Lighting Outdoor Lighting Outdoor Lighting** CALIFORNIA ENERGY COMMISSION NRCC-LTO-E NRCC-LTO-E CERTIFICATE OF COMPLIANC CERTIFICATE OF COMPLIANCE NRCC-LTO-E CERTIFICATE OF COMPLIANC NRCC-LTO-E CERTIFICATE OF COMPLIANC AMS PCs Ext Ltg - T24-22 Report Page: Project Name: (Page 3 of 7) Project Name: AMS PCs Ext Ltg - T24-22 Report Page: 2023-03-06T10:40:21-05:0 2023-03-06T10:40:21-05 2023-03-06T10:40:21-05:0 2023-03-06T10:40:21-05:00 F. OUTDOOR LIGHTING FIXTURE SCHEDULE H. OUTDOOR LIGHTING CONTROLS . LIGHTING ALLOWANCE: PER APPLICATION C. COMPLIANCE RESULTS his table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are esults in this table are automatically calculated from data input and calculations in Tables F through N. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" ref the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 141.0(b)2L only new luminaires being existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by to Table D. Exceptional Conditions for guidance or see applicable Table referenced below. nstalled and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included). Calculations of Total Allowed Lighting Power (Watts) 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to Allowance per Allowance Location<sup>2</sup> Luminaire Luminaire Watts per Luminaire ltem Tag Luminaire Luminaire Luminaire Luminaire Watts per Luminaire Luminaire Watts per Luminaire Luminaire Watts per Luminaire Supplies (Watts) ltifamily buildings and controlled from the inside of a dwelling unit Area Description Application per Table 140.7-B<sup>1</sup> # of tion + Sales Frontage + 140.7(d)2 / 170.2(e)6 ndatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings Locations Per Specific 

 Area 140.7(d)2 / 170 2(e)6
 OR Allowance 141.0(b)2L / 170 2(e)6
 = Total Allowed (Watts)
 ≥ Total Actual (Watts)
 07 must be >= 08

 140.7(d)2 / 170.2(e)6 Entry Door(s) Building Entrance/Exit 6,200 initial Inspector Field Inspector Area Description Watts per luminaire<sup>1, 2</sup> Wattage determined Luminaires<sup>2</sup> Status<sup>3</sup> 140.7(a) / 170.2(e)6A 130.2(c)1 / 160.5(c) 130.2(c)2 / 160.5(c) 130.2(c)3 / 160.5(c) Complete Luminaire Description Astronomical Timer Provided Provided Fixture @ Door" OOTNOTES: Primarv entrance applications are only available for senior care facilities, healthcare facilities, police stations, hospitals, fire stations, and emergency vehicle facilities <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. OOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed Controls Compliance (See Table H for Details) 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. Authority having jurisdiction may ask for cutsheets or other documentation to confirm compliance of light source. ecessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are excepted from ii and iii. NOTES: Selections with a \* require a note in the space below explaining how compliance is achieved. X: Luminaire is lighting a statue; EXCEPTION 2 to 130.2(b) K. LIGHTING ALLOWANCE: SALES FRONTAGE I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e)) 1FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b) RAWN BY: "Use it or lose it" Allowance (select all that apply) (select all that apply) Hardscape Allowance is per Table 140.7-A/Table 170.2-R while "Use it or lose it" <sup>3</sup> Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain Allowances are per Table 140.7-B /Table 170.2-S. Indicate which allowances are being for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of .. LIGHTING ALLOWANCE: ORNAMENTAL ed to expand sections for user input. Luminaires that qualify for one of the "Use it or the project scope. Hardscape Allowance This table includes remarks made by the permit applicant to the Authority Having Jurisdiction. ⊠ Per Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by 130.2(b)/ 160.5(c) ose it" allowances shall not auglify for another "Use it or lose it" allowance. This section does not apply to this project. Allowance Application
Table I (below) Table J Area Table M Outdoor lighting attached to multifamily buildings and controlled from the inside of a Table K Table L dwelling unit are included in Table H. and are not included here. All other multifamily G. SHIELDING REQUIREMENTS (BUG) PROJECT NO: outdoor lighting is included here. M. LIGHTING ALLOWANCE: PER SPECIFIC AREA This section does not apply to this project This section does not apply to this project. SHEET TITLE: N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only) This section does not apply to this project. **ENERGY CALCULATIONS** 



AA

SHEET NUMBER:

Documentation Software: Energy Code Acc

Compliance ID: 92981-0323-0007

Generated Date/Time:

Report Version: 2022.0.000

AS NOTED

MM/DD/YY

XXXX-22

SUPPLEMENTAL SHEET

**GENERAL NOTES** 

**TRACY, CA 95376** 

DATE: 04/03/24 CLIENT PROJ NO: 3595001000

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

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TR	ACY
UNIFIED S	SCHOOL DISTRICT

HMC Architects

3595001000

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

**DESCRIPTION** DATE A\ ADDENDUM "A" 3/20/25

**KEYNOTES** 

**GENERAL NOTES** 

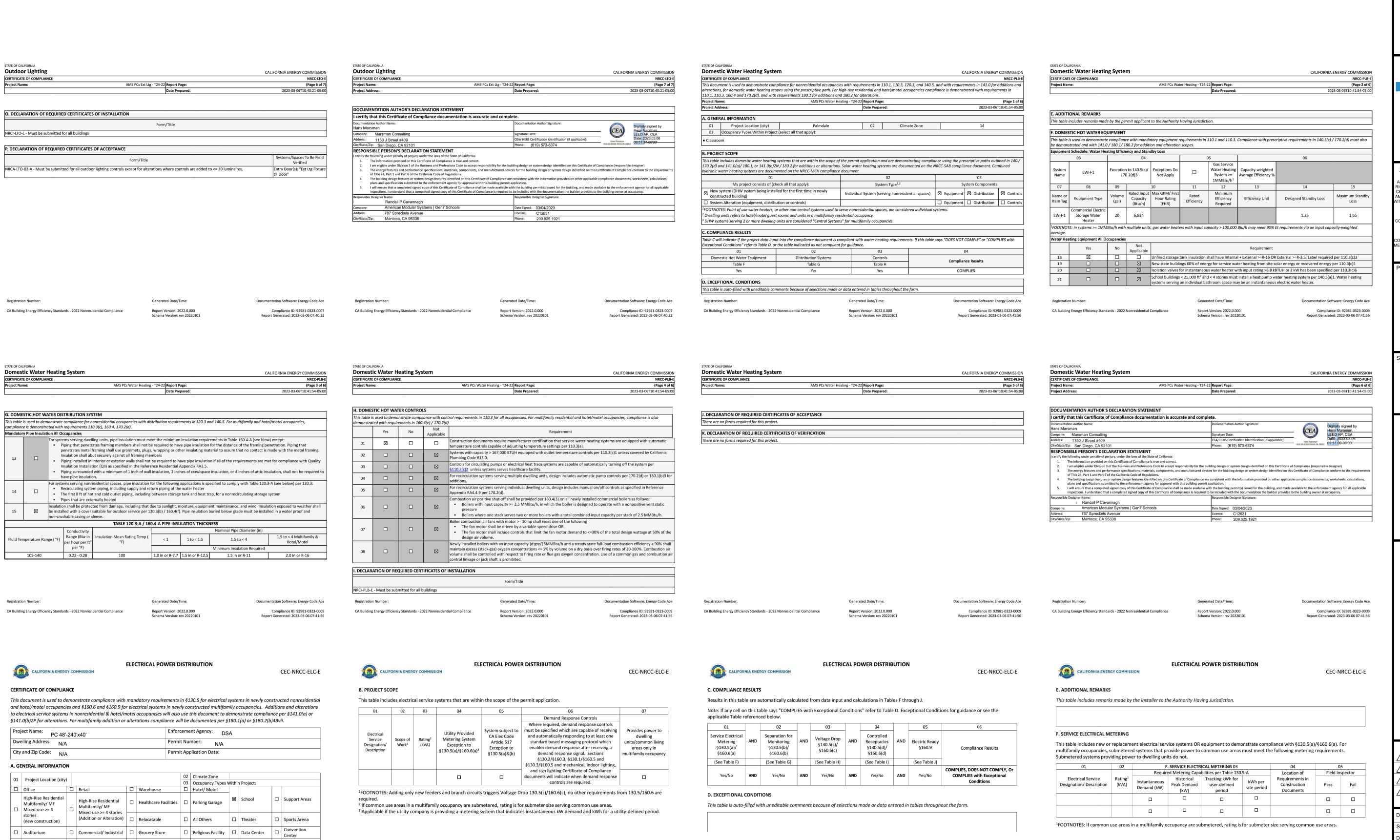
FACILITY: POET CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE. **TRACY, CA 95376** 

PROJECT:

POET CHRISTIAN ES - TK CLASSROOM

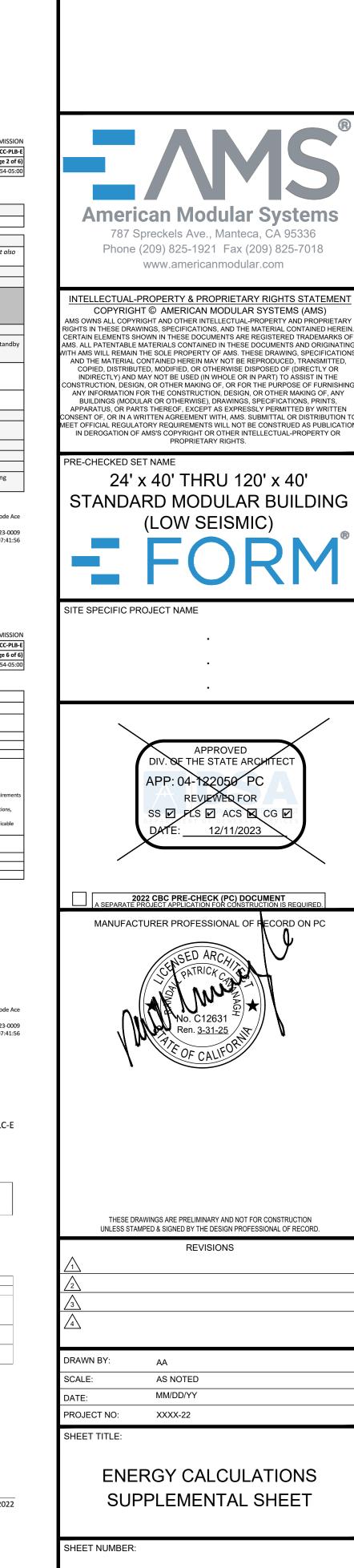
**ENERGY CALCULATION SUPPLEMENTAL SHEET** 

CLIENT PROJ NO: 359500100



CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance



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EN.75

**ELECTRICAL POWER DISTRIBUTION** 

This table includes entirely new or complete replacement electrical power distribution systems to demonstrate compliance with

§130.5(b)/§160.6(b). Any load types that are not included in the service do not need to be shown. For multifamily occupancies, submetered

systems that provide power to dwelling units do not need to meet these separation requirements and therefore load types on those submetered

\*NOTES If "Other\*" is selected under Compliance Method above, please indicate how compliance has been achieved in the space provided below.

Method 2: Switchboards/ motor control centers/ panelboard supply other distribution equipment with loads disaggregated for each load type.

**ELECTRICAL POWER DISTRIBUTION** 

Conductors or raceway shall be installed with termination points at the main electrical panel, via subpanels panels if applicable, to a

location no more than 3 feet from each gas outlet or a designated location of future electric replacement equipment. Both ends of the

conductors or raceway shall be labelled "Future 240V Use." The conductors or raceway and any intervening subpanels, panelboards,

for demand factors in accordance with the California Electric Code. Gas flow rates shall be determined in accordance with the California

- The electrical power required to provide equivalent functionality of the gas-powered equipment as calculated by the responsible

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an

1. The person who prepared the NRCC will sign and complete the fields for their name, company (if applicable), address, phone number,

company (if applicable), address, phone number, license number (if applicable), date and signature.

2. The person who is assuming responsibility for the project being built to comply with Title 24, Part 6, will complete the fields for their name,

explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction

switchboards, and busbars shall be sized to meet the future electric power requirements, at the service voltage to the point at which the

conductors serving the building connect to the utility distribution system, as specified below. The capacity requirements may be adjusted

G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING

Load Type per Table Minimum Required Separation of Load

per Table 130.5-B

Method 4: Complete metering system measures and reports loads by type.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Plumbing Code. Capacity shall be one of the following:

There are no Certificates of Acceptance applicable to electrical power distribution requirements.

- 2.6 kVA for each 10,000 Btu per hour of rated gas input or gas pipe capacity; or

- 24 amps at 208/240 volts per clothes dryer;

K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

NRCI-ELC-E - Must be submitted for all buildings.

L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

CERTIFICATE OF COMPLIANCE – USER INSTRUCTIONS

explanation should be included in Table E. Additional Remarks.

certification information (if applicable), date and signature.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Gas/ Propane Clothes Dryers In Common Areas

and can be found online.

YES NO

<sup>1</sup> FOOTNOTES: For each separate load type, up to 10% of the connected load may be of any type.

See Chapter 8 of the Nonresidential Compliance Manual for more detail on Compliance Methods.

<sup>2</sup> Method 1: Switchboards/ motor control centers/ panelboard loads disaggregated for each load type.

Method 3: Branch circuits serve load types individually & provisions for adding future branch circuit monitoring.

systems also do not need to be shown.

CEC-NRCC-ELC-E

CEC-NRCC-ELC-E

NRCC-ELC-E

January 2022

H. VOLTAGE DROP

provided below.

Electrical Service

Description

compliance per §141.0(b)2Piii/§180.2(b) 4Bviic.

Combined Voltage Drop on Installed

☐ Voltage drop ≤ 5% Code (Exception to

§130.5(c))\*

Designation/ Feeder/Branch Circuit Conductors Compliance

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

Documentation Author Company Name:
AMERICAN MODULAR SYSTEMS

Documentation Author Name:

JOSE AREVALO

MANTECA, CA

RESPONSIBLE PERSON'S DECLARATION STATEMENT

Address: 787 SPRECKELS AVE

Code of Regulations.

this requirement.

Responsible Designer Name: Randall Cavanagh

Company: American Modular systems

Address: 787 Spreckels Avenue

City/State/Zip: Manteca, Ca 95363

City/State/Zip:

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

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

1. The information provided on this Certificate of Compliance is true and correct.

identified on this Certificate of Compliance (responsible designer).

agency for approval with this building permit application.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

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75	1
TR UNIFIED SO	ACY
HMC Architec	ts

3595001000

2101 CAPITOL AVENUE, SUITE 100

SACRAMENTO, CA 95816 916 368 7990 / www.hmcarchitects.com

**DESCRIPTION** 

A ADDENDUM "A" 3/20/25

DATE

**KEYNOTES** 

2022 CBC PRE-CHECK (PC) DOCUMENT MANUFACTURER PROFESSIONAL OF RECORD ON PC

FACILITY:

**TRACY, CA 95376** 

PROJECT:

XXXX-22 PROJECT NO: SHEET TITLE:

DRAWN BY:

**ENERGY CALCULATIONS** 

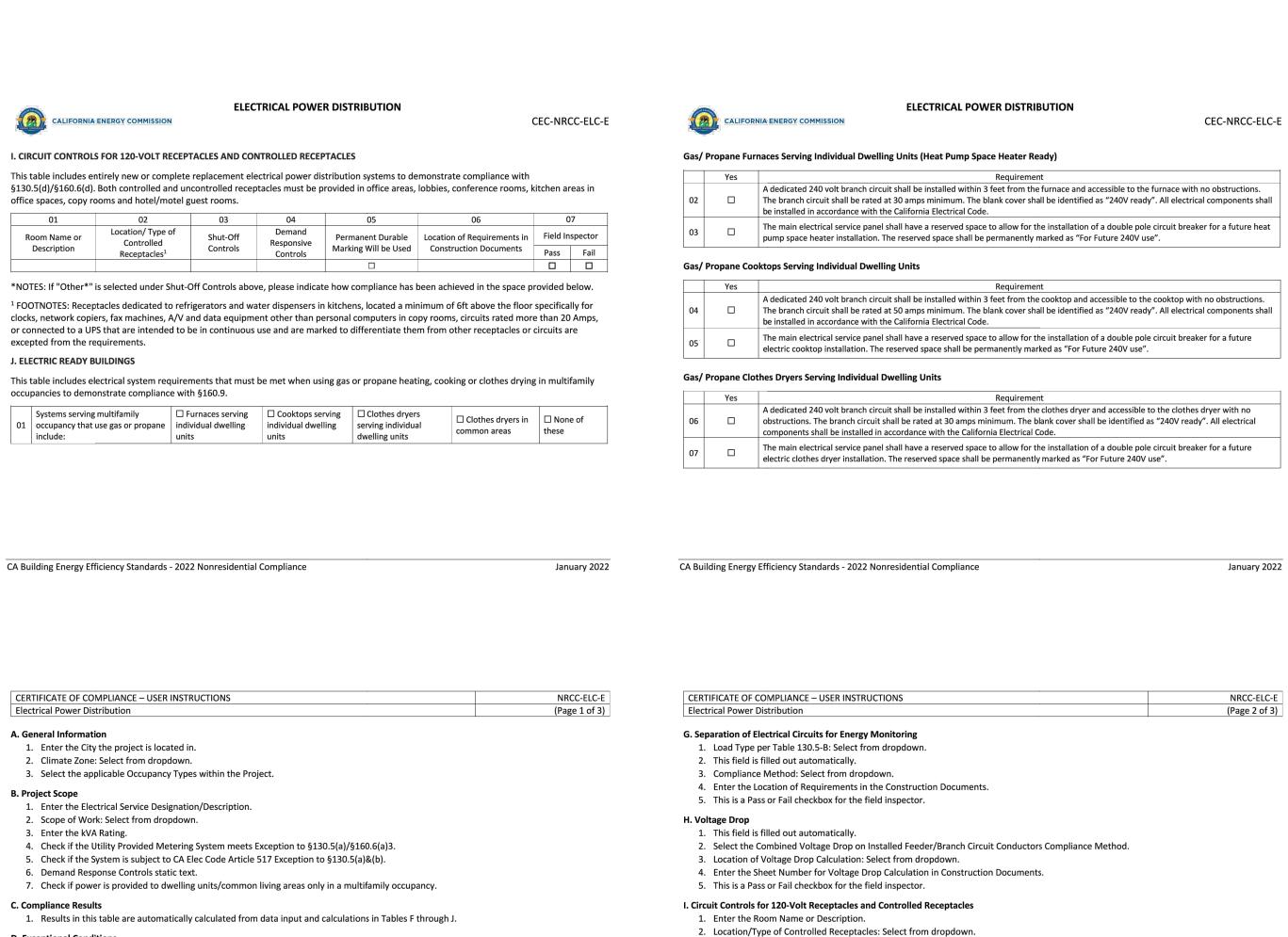
SUPPLEMENTAL SHEET

AA

AS NOTED

MM/DD/YY

SHEET NUMBER:



Shut-Off Controls: Select from dropdown.

K. Declaration of Required Certificates of Installation

L. Declaration of Required Certificates of Acceptance

J. Electric Ready Buildings

4. Demand Responsive Controls: Select from dropdown.

5. Check if a Permanent Durable Marking Will be Used.

7. This is a Pass or Fail checkbox for the field inspector.

2-8. Check Yes to verify your project meets the requirements.

6. Enter the Location of Requirements in the Construction Documents.

applicant, an explanation should be included in Table E. Additional Remarks.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

1. Select the applicable systems serving multifamily occupancy that use gas or propane.

**American Modular System** 787 Spreckels Ave., Manteca, CA 95336 Phone (209) 825-1921 Fax (209) 825-7018 www.americanmodular.com INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMEN COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS) AS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIET HTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED H RTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMAR MS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINA ITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICA COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE NSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISH BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITT ISENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS, SUBMITTAL OR DISTRIBUTIO DFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICA IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR PRE-CHECKED SET NAME 24' x 40' THRU 120' x 40' STANDARD MODULAR BUILDING SITE SPECIFIC PROJECT NAME APPROVED DIV. OF THE STATE ARCHITEC APP: 04-122050 PC SS D PLS D ACS R CG D Selections have been automatically made based on information provided in this document. If any selections have been changed by the permit January 2022 THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

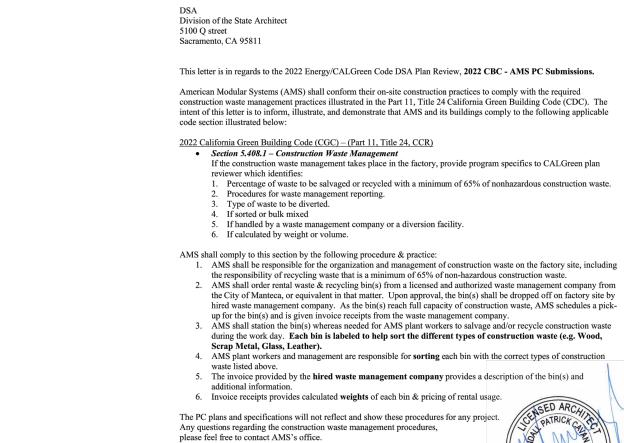
**GENERAL NOTES** 

POET CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE.

POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME: **ENERGY CALCULATIONS SUPPLEMENTAL SHEET** 

DATE: 04/03/24 CLIENT PROJ NO: 3595001000



Raull llung

Randall P. Cavanagh

**ELECTRICAL POWER DISTRIBUTION** 

This table includes entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both

feeders and branch circuits to demonstrate compliance with §130.5(c)/§160.6(c). For alterations, only the altered circuits must demonstrate

\*NOTES If "Permitted by CA Elec Code\*" is selected under Compliance Method above, please indicate where the exception applies in the space

Drop Calculations<sup>1</sup>

<sup>1</sup> FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if allowed by the Authority

**ELECTRICAL POWER DISTRIBUTION** 

2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design

3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California

4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information

5. I understand that a registered copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the

6. I understand that a registered copy of this Certificate of Compliance is required to be included with the documentation the builder

For assistance or questions regarding the Energy Standards, contact the Energy Hotline at: 1-800-772-3300

provides to the building owner at occupancy, and I will take the necessary steps to accomplish these requiremen

provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement

building, and made available to the enforcement agency for all applicable inspections, and I will take the necessary steps to accomplish

Date Signed: 6-28-23

Phone: (209)825-1921

License: C12631

Documentation Author Signature:

Phone: 209-825-1921

06/30/23

CEA Certification Identification (If applicable):

Having Jurisdiction. Select "attached" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor

Location of Voltage

Sheet Number for Voltage

Drop Collegian

Construction Documents

CEC-NRCC-ELC-E

Field Inspector

Pass Fail

CEC-NRCC-ELC-E

January 2022

B. Project Scope

E. Additional Remarks

F. Service Electrical Metering

1. Enter any notes or comments for the AHJ.

3. Instantaneous Demand checkbox is always checked.

kWh per rate period is checked automatically.

5. This is a Pass or Fail checkbox for the field inspector.

Historical Peak Demand checkbox is checked automatically.

4. Enter the Location of Requirements in Construction Documents.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Tracking kWh for user-defined period checkbox is always checked.

1. This field is filled out automatically.

This field is filled out automatically.

1. This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

American Modular Systems, Inc., 787 Spreckels Ave. Manteca, California 95336, Ph. 209 825 1921 Fax: 209 825 7018

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-122977 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 **HMC** Architects (2) 8'x4' MARKER BOARDS - SEE SHEET A4.0 3595001000 NOT USED > TYP MOD LINE 23'-8\( \frac{1}{2} \)" THRU 118'-6\( \frac{1}{2} \)" SEE BUILDING SIZE SCHEDULE 2101 CAPITOL AVENUE, SUITE 100 (FOCOL TO FOCOL) FIRE EXTINGUISHER - TOP OF HANDLE @ +48" A.F.F. SACRAMENTO, CA 95816 4" MAX PROTRUSION FROM WALL IF BOTTOM OF FIRE 916 368 7990 / www.hmcarchitects.com 11'-10" MODULE 11'-10" MODULE 11'-10" MODULE 11'-10" MODULE 11'-10" MODULE 11'-10" MODULE IS ABOVE 27" A.F.F. - SEE 19/N4.0 TACTILE EXIT SIGN PER DETAIL 10/N4.0 (BY 6 EGRESS AREA **DESCRIPTION** DATE A ADDENDUM "A" 3/20/25 ROOM SIGNAGE AND I.S.A. PER DE S 5&9/N4.0 (BY OTHERS) HVAC 9 CARPET X TON (10) EGRESS DOC **American Modular Systems** ENT FLOOR AREA (2'-0" MIN. IN ALL DIRECTIONS @ ALL ENTRY DOOR) IN LEVEL ARE NOT PERMITTED IN DOOR MANEUVERING CLEARANCE 787 Spreckels Ave., Manteca, CA 95336 SSORBENT MATERIAL SHALL BE FLUSH WITH CARPET (11B-404.2.4). Phone (209) 825-1921 Fax (209) 825-7018 www.americanmodular.com PTIONAL OVERHANG OCCUPANT LOAD SIGN PER DETAIL 11/N4.0 (BY OTHERS) INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMEN COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS) DOWNSPOUT - DISCHARGE TO SPLASH BLOCK (U.O.N.) S OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIET / (QUANTITY AND LOCATION MAY VARY) ITS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED HE **KEYNOTES** (LOCATION RTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEN  $\langle$  15 angle HVAC - SEE MECHANICAL AND NOTES ON EXTERIOR ELEVATIONS. I AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING. SPECIFICA COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR  $\langle$  16 angle ELECTRICAL PANEL (LOCATION MAY VARY) ISTRUCTION. DESIGN. OR OTHER MAKING OF. OR FOR THE PURPOSE OF FURNIS ( 17 ) CASEWORK WITH SINK - REFER TO 17/-BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS. PPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITT SENT OF. OR IN A WRITTEN AGREEMENT WITH. AMS. SUBMITTAL OR DISTRIBUTION FLOOR LIVE LOAD SIGN PER 2022 CBC SECTION 106.1. (FLOOR LIVE LOAD SIGN IS FFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLIC IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OF REQUIRED ONLY FOR COMMERCIAL OR INSTITUTIONAL BUILDINGS DESIGNED WITH LIVE LOADS EXCEEDING 50 PSF) WHERE 150 PSF LIVE LOAD IS SPECIFIED, THE TEXT "LONG TERM STORAGE NOT PERMITTED" SHALL ALSO BE INCLUDED ON THE PRE-CHECKED SET NAME 24' x 40' THRU 120' x 40' TYP CLASSROOM ASSISTIVE LISTENING (AL) SIGN POSTED IN PROMINENT PLACE AT OR NEAR THE STANDARD MODULAR BUILDING TYP CLASSROOM REFER TO (LOW SEISMIC) CLASSROOM 101 FIRE RISER SIGNAGE WITH 2" LETTERING WITH  $^3\!\!/_8$ " MIN. STROKE ON THE CONTRASTING BACKGROUND FOR TYP NOTES **KEY NOTES** REFER TO SHEETS N5.0 AND N5.1 FOR POSSIBLE ADDITIONAL FLOOR PLAN CONFIGURATIONS. SITE SPECIFIC PROJECT NAME OPTIONAL INTERIOR WALLS MAY OCCUR THROUGHOUT THE BUILDING AS CONSTRUCTED PER SHEETS S8.1 OR S9.1. THE PC TITLE 24 HAS BEEN RUN FOR THE WORST CASE ENVELOPE BASED ON AREA. PANIC HARDWARE COMPLYING WITH C.B.C. 1010.2.9 IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OF **GENERAL NOTES** SEE SHEET A1.0-N FOR IF OCCUPANCY LOAD EXCEEDS 50, PROVIDE A SECOND EXIT DOOR, PER CBC TABLE APPROVED DIV. OF THE STATE ARCHITECT FOR EVERY ROOM OR SPACE USED FOR ASSEMBLY OR CLASSROOM, PROVIDE AN OCCUPANT LOAD SIGN (BY OTHERS) IN A CONSPICUOUS PLACE, NEAR THE MAIN APP: 04-122050 PC EXIT, PER C.B.C. SECTION 1004.9. ALL PRIMARY EXTERIOR DOOR ENTRIES SHALL BE COVERED TO PREVENT WATER SS D FLS D ACS D CG D INTRUSION BY USING NONABSORBENT FLOOR AND WALL FINISHES WITHIN AT LEAST SITE-SPECIFIC SHEET 2 FEET AROUND AND PERPENDICULAR TO OPENING, PER CALGREEN, SECTION PRIMARY EXTERIOR DOOR ENTRIES SHALL HAVE AT LEAST ONE OF THE FOLLOWING: BUILDING SIZE SCHEDULE INSTALLED AWNING AT LEAST 4 FEET IN DEPTH (BY OTHERS). TOTAL # OF | TOTAL # OF | OVERALL OPTIONAL SIDE WALL CANOPY (4 FEET IN DEPTH) PER SHEET S5.4A. 2022 CBC PRE-CHECK (PC) DOCUMENT 12'-0" WIDE CENTER BUILDING ROOF OVERHANG AT LEAST 4 FEET IN DEPTH. MODULES WIDTH<sup>1</sup> MODULES DOOR RECESSED AT LEAST 4 FEET. MANUFACTURER PROFESSIONAL OF RECORD ON PC OTHER METHODS WHICH PROVIDE EQUIVALENT PROTECTION (BY OTHERS). 23'-81/2" 24'x40' 35'-6<sup>3</sup>/<sub>4</sub>" WINDOW PLACEMENT & SIZE MAY VARY. 36'x40' THE WINDOW GLASS SHALL NOT EXCEED THE AREA LISTED IN THE WINDOW 47'-5" 48'x40' GLAZING AREA TABLE IN SHEET N3.0 59'-3<mark>1⁄</mark>4" - FOR DOOR TYPE, SEE DOOR 71'-11/5" 72'x40' SCHEDULE, SHEET N3.0, TYP CABINETRY MAY BE INSTALLED ON ONE OR BOTH SIDES OF INTERIOR WALLS AND THE INSIDE FACE OF EXTERIOR WALLS WHEN INSTALLED PER THE DETAIL 8/A7.1. B\* HARDWARE GROUP 'B' WHERE 82'-11<sup>3</sup>⁄₄" 84'x40' OCCUPANT LOAD IS 50 OR MORE. 96'x40' 10. IF FIRE RATED WALLS ARE REQUIRED DUE TO SITE SPECIFIC REQUIREMENTS, REFE TO SHEET A8.0 FOR 1 HOUR RATED DETAILS 108'x40' 106'-81/4" EQ. TYP 120'x40' 118'-61/2" NOTES: TOTAL BUILDING WIDTH INCLUDES 1/4" PER MODULAR CONSTRUCTION TOLERANCE PER FOUNDATION SHEETS S1.0, S1.1, S1.2, & S1.3. 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. THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION TYPICAL FLOOR PLAN SHEET NOTES UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD. **ACOUSTIC CONTROLS** 3. IN THE EVENT THAT A PC CLASSROOM IS DESIGNED TO CONNECT TO ANOTHER PC **ENERGY CONTROLS** BASE CABINET WITH SOLID SURFACE OR PLASTIC CLASSROOM OR RESTROOM. INTERIOR SOUND TRANSMISSION IN THE INTERIOR LAMINATE COUNTERTOP AND SINK. CABINET SHALL ADJOINING WALL AND FLOOR/CEILING SHALL MEET THE MINIMUM REQUIREMENT OF A WHEN THE PRE-CHECK (PC) BUILDING IS SITE ADAPTED, THE BUILDING AND STC OF 40, PER CALGREEN CODE SECTION 507.4.3. (EXAMPLES OF QUALIFYING HAVE PLASTIC LAMINATE FINISH. SITE FEATURES SHALL COMPLY WITH THE CALGREEN CODE, SECTION 5.507.4 ONLY REQUIRED IN BUILDINGS LARGER THAN 10,000 S.F., THEREFORE, NOT POET CHRISTIAN ELEMENTARY SCHOOL CABINET WITH SINK SHALL BE ACCESSIBLE - SEE ASSEMBLIES SHOWN BELOW). FOR THE SPECIFIC SITE LOCATION. REQUIRED FOR THIS PC. 2X4 WALLS DETAIL 12/P2.0. 1701 S CENTRAL AVE. AUTOMATIC DAYLIGHTING CONTROLS:
NOT REQUIRED IN ROOMS WHERE COMBINED INSTALLED LIGHTING POWER IN TRACY, CA 95376 FOR SINK HEIGHT & DIMENSIONS, SEE DETAIL 8/P2.0. WALL ASSEMBLIES SHALL BE CONSTRUCTED PER DETAIL SHEETS A5.3, A5.5, RAWN BY: AA A5.7, & A8.0, WITH EITHER 2x4 WOOD STUDS OR 6" STEEL STUDS PER LISTED COMBINED SKYLIT & PRIMARY DAYLIT ZONES ARE <120 WATTS. INSTALLED WATTAGE IN PRIMARY SIDELIT DAY LIT ZONE IS 90 WATTS (2x 45w, AS SHOWN ON SHEET E1.0). AS NOTED MINIMUM STC RATINGS LISTED BELOW ARE PER THE CATALOG OF STC & IIC PROJECT: THEREFORE, AUTOMATIC DAYLIGHTING CONTROLS ARE ONLY REQUIRED WHEN MM/DD/YY CS (SEE PLUMBING FIXTURE RATINGS FOR WALL AND FLOOR/CEILING ASSEMBLIES, PRODUCED BY THE "SOLATUBES" ARE INSTALLED. SEE A1.1 POET CHRISTIAN ES - TK CLASSROOM 1 SCHEDULE ON SHT. P1.0) OFFICE OF NOISE CONTROL, CA DEPARTMENT OF HEALTH SERVICES. PROJECT NO: XXXX-22 (2) LAYER 5/8" GYPSUM BOARD (2) LAYER 5/8" ENERGY MANAGEMENT CONTROL SYSTEM (EMCS) CONNECTION: SÉCURED TO MIN. 21/2" METAL STUDS SECURED TO MIN SHEET TITLE: PER TITLE 24 CODE. "AN EMCS MAY BE INSTALLED TO COMPLY WITH THE WALL LEGEND O.C. MAX. w/  $3\frac{1}{2}$ " TH @ 24" O.C. MAX.  $W/3\frac{1}{2}$ REQUIREMENTS OF ONE OR MORE LIGHTING CONTROLS IF IT MEETS THE MINIMUM SHEET NAME: INSULATION THK BATT INSULATION REQUIREMENTS". PC MAY CONTAIN OCCUPANCY SENSORS AND PHOTOCELL └─30"x48"\* CLEAR FLOOR TYPICAL TYPICAL FLOOR PLAN CONTROL LIGHTING, IN THAT CASE, AN EMCS IS NOT REQUIRED FOR THIS PC. SPACE EXTENDS MINIMUM \_\_\_\_\_ 2'-0" \_\_\_\_ STC=40 TEST REF.: AUDIO ALLOY L.L.C 7 PLAN 19" UNDER THE COUNTER TEST REF.: AUDIO ALLOY L.L.C TEST FLOOR PLAN -NO SHELVES SOLAR-READY ZONE REQUIREMENTS:
REQUIREMENTS & TABLE CAN BE FOUND ON SHEET A2.0 (11B-306.2.3, EXC.1) NO CABINET BASE NUMBER: OL-05-1003 NUMBER OL-92-410 SEE DETAIL 8/P2.0 NO DOORS -SEE DETAIL 8/P2.0  $\langle X \rangle = KEY NOTE$ NOTES ABOVE 4. MINIMUM WINDOW & DOOR RATINGS: \*FROM FRONT FOR CLEARANCE (1) LAYER 1/2" GYPSUM BOARD RIM OF THE ALL WINDOWS AND DOORS SPECIFIED ON THE SCH ES FOUND ON SHEET N3.0 OF SHEET NUMBER: SECURED TO MIN. 21/2" METAL STUDS SECURED TO MIN. 2x4 STUDS @ 16" (x) = DOOR TEE SCHEDULE, SHEET N3.0 DIMENSIONS ANY MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE SPECIFIC AND SINK OR THIS PACKAGE SHALL MEET A MINIMUM STC RATING @ 24" O.C. MAX. ARE NOT INCLUDED IN THE BASE PC. DWARE - SEE HARDWARE SCHEDULE, SHEET N3.0 COUNTER SECTION B-B SURFACE. STC=28 (CATALOG SECTION 1.2.1.5.4.1) CLIENT PROJ NO: 3595001000 DATE: 04/03/24 (CATALOG SECTION 1.3.2.5.4.1) OOW TYPE - SEE SCHEDULE, SHEET N3.0 WHICHEVER IS HIGHER OR TEST REF.: NATIONAL RESEARCH TEST REF.: NATIONAL RESEARCH GREATER COUNCIL OF CANADA - NRC #66 COUNCIL OF CANADA - NRC #66 **ELEVATION** 16 CLASSROOM SINK - OPTIONAL SYMBOLS LEGEND **ACOUSTIC NOTES** SCALE: 1/4" = 1'-0" 17 **ENERGY NOTES** PLEASE RECYCLE 🖧 ADDENDUM "A"

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-122977 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

DATE

3/20/25



**HMC** Architects

## 3595001000

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

**DESCRIPTION** 

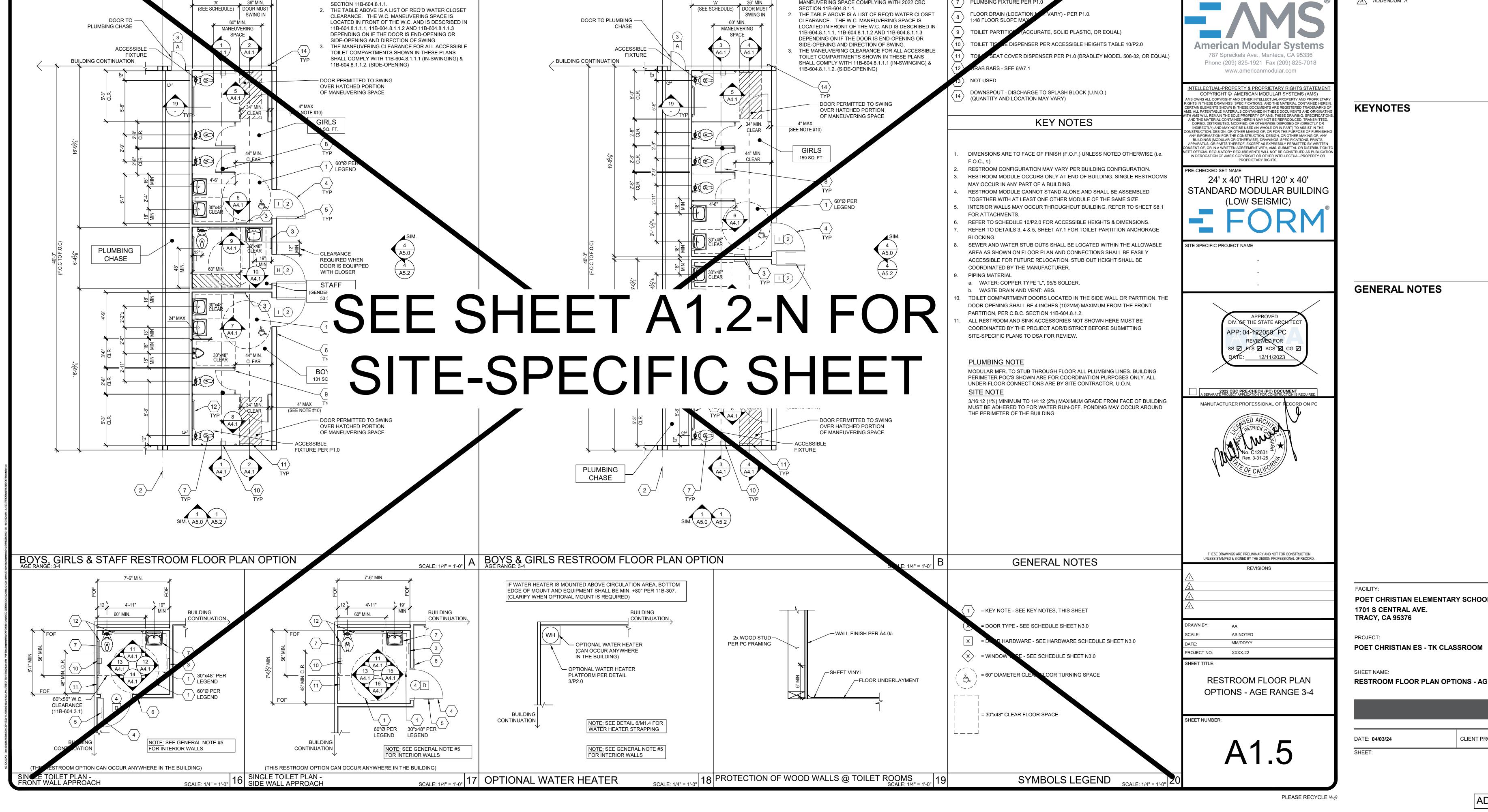
A ADDENDUM "A"

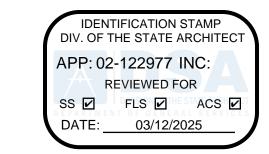
FACILITY: POET CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE. **TRACY, CA 95376** 

**RESTROOM FLOOR PLAN OPTIONS - AGE RANGE 3-4** 

CLIENT PROJ NO: 359500100 DATE: 04/03/24

ADDENDUM "A"







**HMC** Architects

3595001000

2101 CAPITOL AVENUE, SUITE 100 SACRAMENTO, CA 95816

916 368 7990 / www.hmcarchitects.com

**DESCRIPTION** A ADDENDUM "A"

3/20/25

DATE

**KEYNOTES** 

**GENERAL NOTES** 

POET CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE. TRACY, CA 95376

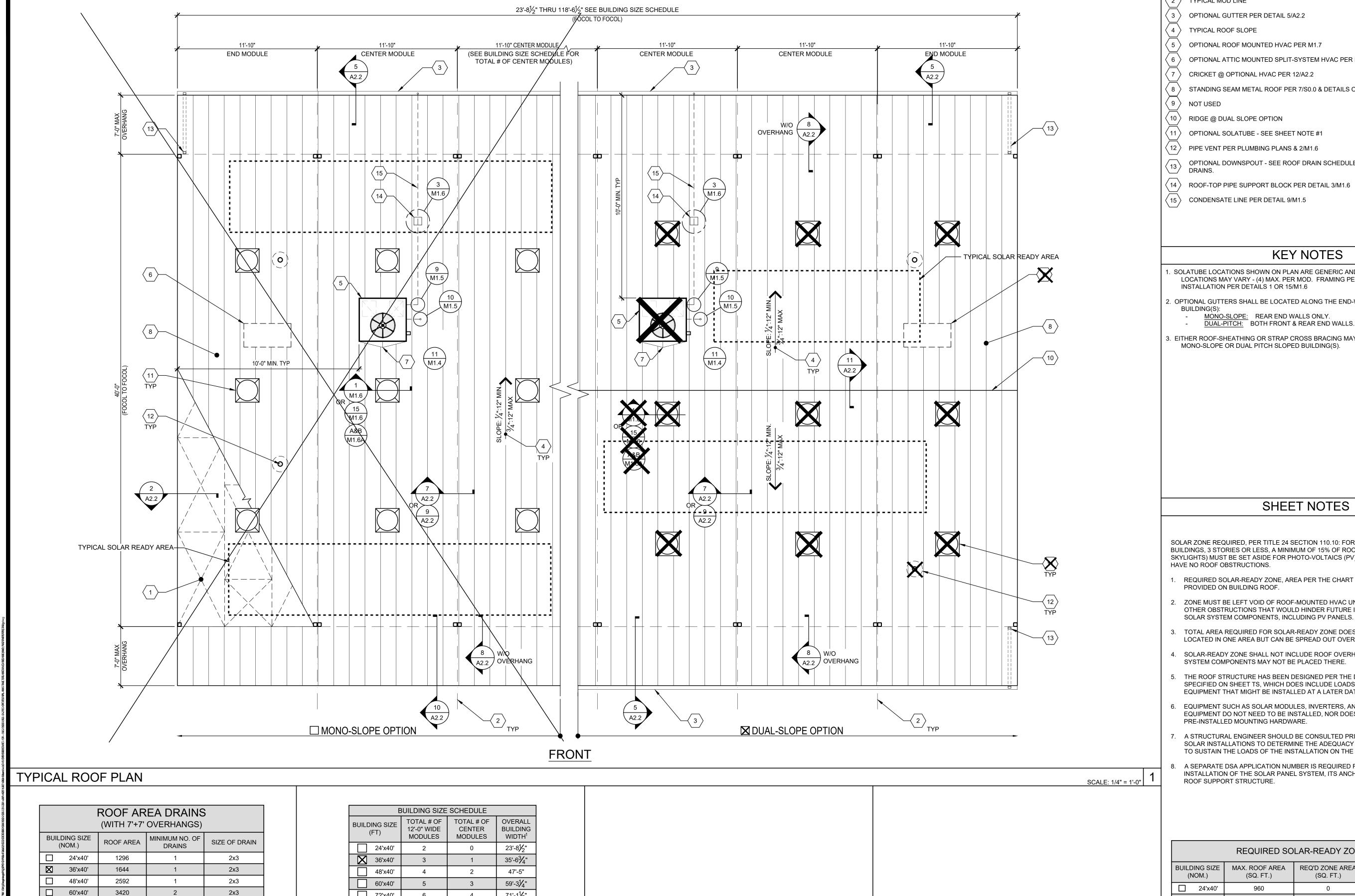
PROJECT:

POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME: TYPICAL ROOF PLAN METAL STANDING SEAM (WITHOUT PARAPETS)

DATE: 04/03/24 CLIENT PROJ NO: 3595001000

ADDENDUM "A"



72'x40'

84'x40'

96'x40'

108'x40'

120'x40'

TOLERANCE PER FOUNDATION.

NOTES:

72'x40'

96'x40'

84'x40'

108'x40'

120'x40'

3888

4536

5184

5832

6480

DOWNSPOUTS & LEADERS PER C.P.C. 1106.1 AND TABLE 1103.1.

2

2

2

2

PC DOWNSPOUT SIZING BASED ON ROOF AREA AND MAX RAINFALL RATE OF 3" PER

ROOF DRAIN SCHEDULE

RAINFALL RATE TO DETERMINE MINIMUM NUMBER OF DRAINS REQUIRED.

HOUR. SITE SPECIFIC BUILDING MAY UTILIZE LOCAL RAINFALL RATE--PROVIDE SITE

2x3

2x3

2x3

2x3

2x3

4

5

6

7

8

10

1. TOTAL WIDTH INCLUDES 1/4" PER MODULE CONSTRUCTION

BUILDING SIZE SCHEDULE

82'-113/4"

94'-10"

106'-81/4"

118'-61/2"

**NOT USED** 

REAR

3 OPTIONAL GUTTER PER DETAIL 5/A2.2 4 > TYPICAL ROOF SLOPE 5 OPTIONAL ROOF MOUNTED HVAC PER M1.7 6 OPTIONAL ATTIC MOUNTED SPLIT-SYSTEM HVAC PER M1.7 7  $\rangle$  CRICKET @ OPTIONAL HVAC PER 12/A2.2 STANDING SEAM METAL ROOF PER 7/S0.0 & DETAILS ON SHEET A2.2 9 NOT USED (10) RIDGE @ DUAL SLOPE OPTION

ROOF SHEATHING PER SHEET S4.1 OR STEEL STRAP CROSS BRACING PER S4.0

OPTIONAL DOWNSPOUT - SEE ROOF DRAIN SCHEDULE BELOW FOR MIN. # OF

2 > TYPICAL MOD LINE

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LOCATIONS MAY VARY - (4) MAX. PER MOD. FRAMING PER S4.0 & S4.1 INSTALLATION PER DETAILS 1 OR 15/M1.6 OPTIONAL GUTTERS SHALL BE LOCATED ALONG THE END-WALLS OF THE

SOLATUBE LOCATIONS SHOWN ON PLAN ARE GENERIC AND ACTUAL

MONO-SLOPE: REAR END WALLS ONLY.

DUAL-PITCH: BOTH FRONT & REAR END WALLS. EITHER ROOF-SHEATHING OR STRAP CROSS BRACING MAY BE USED FOR MONO-SLOPE OR DUAL PITCH SLOPED BUILDING(S).

STANDARD MODULAR BUILDING

**American Modular Systems** 

787 Spreckels Ave., Manteca, CA 95336

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

www.americanmodular.com

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APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTE NSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION

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24' x 40' THRU 120' x 40'

DIV. OF THE STATE ARCHITEC

SS D FLS D ACS Q CG D

APP: 04-122050 PC

2022 CBC PRE-CHECK (PC) DOCUMENT
PARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

MANUFACTURER PROFESSIONAL OF RECORD ON PC

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

RAWN BY:

PROJECT NO:

SHEET TITLE:

SHEET NUMBER:

AA

AS NOTED

MM/DD/YY

XXXX-22

TYPICAL ROOF PLAN

METAL STANDING SEAM

(WITHOUT PARAPETS)

SITE SPECIFIC PROJECT NAME

PRE-CHECKED SET NAME

SHEET NOTES

SOLAR ZONE REQUIRED, PER TITLE 24 SECTION 110.10: FOR NON-RESIDENTIAL BUILDINGS, 3 STORIES OR LESS, A MINIMUM OF 15% OF ROOF AREA (EXCLUDING SKYLIGHTS) MUST BE SET ASIDE FOR PHOTO-VOLTAICS (PV). THE ROOF MUST HAVE NO ROOF OBSTRUCTIONS.

REQUIRED SOLAR-READY ZONE, AREA PER THE CHART BELOW, MUST BE PROVIDED ON BUILDING ROOF.

ZONE MUST BE LEFT VOID OF ROOF-MOUNTED HVAC UNITS, SKYLIGHTS OR OTHER OBSTRUCTIONS THAT WOULD HINDER FUTURE INSTALLATION OF SOLAR SYSTEM COMPONENTS, INCLUDING PV PANELS.

TOTAL AREA REQUIRED FOR SOLAR-READY ZONE DOES NOT NEED TO BE LOCATED IN ONE AREA BUT CAN BE SPREAD OUT OVER ROOF.

SOLAR-READY ZONE SHALL NOT INCLUDE ROOF OVERHANGS, AND SOLAR SYSTEM COMPONENTS MAY NOT BE PLACED THERE.

THE ROOF STRUCTURE HAS BEEN DESIGNED PER THE DESIGN LOADS

SPECIFIED ON SHEET TS, WHICH DOES INCLUDE LOADS FROM SOLAR EQUIPMENT THAT MIGHT BE INSTALLED AT A LATER DATE. EQUIPMENT SUCH AS SOLAR MODULES, INVERTERS, AND METERING

EQUIPMENT DO NOT NEED TO BE INSTALLED, NOR DOES CONDUIT, PIPING, OR PRE-INSTALLED MOUNTING HARDWARE. A STRUCTURAL ENGINEER SHOULD BE CONSULTED PRIOR TO ANY FUTURE

SOLAR INSTALLATIONS TO DETERMINE THE ADEQUACY OF THE ROOF FRAMING

TO SUSTAIN THE LOADS OF THE INSTALLATION ON THE BUILDING STRUCTURE. A SEPARATE DSA APPLICATION NUMBER IS REQUIRED FOR DESIGN & INSTALLATION OF THE SOLAR PANEL SYSTEM, ITS ANCHORAGE & ROOF SUPPORT STRUCTURE.

REQUIRED SOLAR-READY ZONE							
REQUIRED SOLAR-READY ZONE							
BUILDING SIZE (NOM.)		MAX. ROOF AREA (SQ. FT.) REQ'D ZONE AREA (SQ. FT.)		*CLIMATE ZONE GROUP(S)			
	24'x40'	960	0	N/A			
X	36'x40'	1440	0	N/A			
	48'x40'	1920	288	D			
	60'x40'	2400	360	D			
	72'x40'	2880	432	C, D			
	84'x40'	3360	504	A, B & D			
	96'x40'	3840	576	A & D			
	108'x40'	4320	648	D			
	120'x40'	4800	720	D			

SOLAR-READY ZONE REQUIREMENTS

GROUP A: CLIMATE ZONES 1, 16 GROUP B: CLIMATE ZONES 2 - 5 GROUP C: CLIMATE ZONES 6 - 13

GROUP D: CLIMATE ZONES 14, 15

3 NOT USED

ADDENDUM "A"

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-122977 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 HMC Architects WINDOW, SEE SPEC'S 3595001000 TYP EXTERIOR DOOR TACKBOARD - (FLAME RESISTANT INDUSTRIAL TACKABLE BOA 2101 CAPITOL AVENUE, SUITE 100  $\langle \ 
angle_3 \ 
angle$  Class a rated (astm e-84). Nominal panel thickness  $\langle \ 
angle_3 \ 
angle$ SACRAMENTO, CA 95816 SHALL BE INSTALED IN ACCORDANCE WITH THE MANUF 916 368 7990 / www.hmcarchitects.com 4 > TYP MOD LINE 5 TOP SET BASE **DESCRIPTION** DATE  $\langle$  6  $\rangle$  FULL PANEL CLOSE-UP AT MOD-L ADDENDUM "A" 3/20/25 8'-0" X 4'-0" 8'-0" X 4'-0" (8) ELECTRICAL PANEL - SE ECTRICAL SHEETS MARKERBOARD R BOARDS - SEE DETAIL 8/A4.0 787 Spreckels Ave., Manteca, CA 95336 Phone (209) 825-1921 Fax (209) 825-7018 SISTIVE LISTENING SIGN, BY OTHERS, INSTALLED PER DETAIL 17/N4.0 SIGN \_ A= ELEMENTARY SCHOOL: 30" www.americanmodular.com SHALL BE A MAXIMUM OF 70" A.F.F. TO BASELINE OF HIGHEST TEXT. A= MIDDLE SCHOOL: A= HIGH SCHOOL: OCCUPANT LOAD SIGN PER DETAIL 11/N4.0 (BY OTHERS) INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMEN COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS) (14) LIGHT SWITCH - SEE ELECTRICAL SHEETS IS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETA SHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED H RTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMAI **KEYNOTES** (15) EXIT TACTILE SIGN PER DETAIL 10/N4.0 (NIC) AS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINA TH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICAT THERMOSTAT, TOP @ 48" A.F.F. - SEE MECHANICAL SHEETS AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTEL COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR TYPICAL CLASSROOM FRONT END WALL ELEVATION 1 TYPICAL CLASSROOM SIDE WALL ELEVATION INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE DISTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISH PROTRUSION MAX 4" FROM WALL IF BOTTOM OF BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS. APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITT FIRE EXTINGUISHER GREATER THAN +27" A.F.F - SEE 19/N4.0 SENT OF OR IN A WRITTEN AGREEMENT WITH AMS SUBMITTAL OR DISTRIBUTIO ET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICA IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR (18) TYP DUPLEX OUTLET - SEE ELECTRICAL SHEETS (19) HVAC GRILL PRE-CHECKED SET NAME 24' x 40' THRU 120' x 40' STANDARD MODULAR BUILDING (LOW SEISMIC) SITE SPECIFIC PROJECT NAME **GENERAL NOTES** SEE SHEET A4.0-N FOR DIV. OF THE STATE ARCHITEC APP: 04-122050 PC TYPICAL CLASSROOM REAR END WALL ELEVATION SS D FLS D ACS D CG D SITE-SPECIFIC SHEET 2022 CBC PRE-CHECK (PC) DOCUMENT MANUFACTURER PROFESSIONAL OF RECORD ON PC 150# MAX @ METAL STUDS: #8x2" STS @ 16" O.C. TOP (MIN. (5) SCREWS FOR AN 8'-0" BOARD) #12 (2 1/4" MIN PENETRATION INTO STUD) WOOD SCREWS @ 32" O.C. BOT. (MIN. (3) SCREWS FOR AN 8'-0" BOARD) @ METAL STUDS: #8x2" STS @ 32" O.C. BOT. (MIN. (3) SCREWS FOR AN 8'-0" BOARD) ATTACHMENT IS FOR EACH MAP 2. EACH WHITEBOARD SHALL PROTR " MAX HORIZONTALLY INTO THE CIRCULATION PATH, PER CBC SECTION 3. EACH WHITEBOARD SHALL HAVE FASTE MANUFACTURER AS NOTED ABOVE. THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION **NOT USED** 5 NOT USED 6 NOT USED MARKERBOARD ATT. DETAIL UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD. E: 1/4"=1'-0" 8 POET CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE. TRACY, CA 95376 AA AS NOTED PROJECT: POET CHRISTIAN ES - TK CLASSROOM PROJECT NO: INTERIOR ELEVATIONS INTERIOR ELEVATIONS TYPICAL CLASSROOM TYPICAL CLASSROOM CLIENT PROJ NO: 35950010 A4.0 9 NOT USED 10 NOT USED 11 NOT USED **KEY NOTES** PLEASE RECYCLE

ADDENDUM "A"

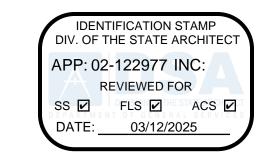
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-122977 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 **HMC** Architects TYPICAL DOOR 3595001000 F.R.P. (FIBER REINFORCED PLASTIC) - SHALL BE CLASS C RATED (AST EMBOSSED & SMOOTH INTERIOR WALL PANELS. NOMINAL PANELS THICKNESS SHALL BE ± 0.090 - PANEL SHALL BE INSTALLED IN 2101 CAPITOL AVENUE, SUITE 100 THE MANUFACTURER'S GUIDELINES. SACRAMENTO, CA 95816 916 368 7990 / www.hmcarchitects.com 6" TOP SET BASE - REFER TO DETAIL 5/A1.2 ACCESSIBLE TOILET - SEE DETAIL 14/P2.0 PAPER TOWEL DISPENSER OR HAND DRY **DESCRIPTION** DATE LIGHT SWITCH - SEE ELECTRICAL A ADDENDUM "A" 3/20/25 **TOILET PAPER DISPENSER** TYP. GFCI OUTLET **American Modular Systems** 787 Spreckels Ave., Manteca, CA 95336 SEAT COVER DISPENSER PER P1.0 STAFF'S RESTROOM Phone (209) 825-1921 Fax (209) 825-7018 SEE SHEET A4.2 FOR ALTERNATE HEIGHT ELEVATIONS SEE SHEET A4.2 FOR ALTERNATE HEIGHT ELEVATIONS SEE SHEET A4.2 FOR ALTERNATE HEIGHT ELEVATIONS SEE SHEET A4.2 FOR ALTERNATE HEIGHT ELEVATIONS CCESSIBLE LAVATORY - SEE DETAIL 17/P2.0 www.americanmodular.com TOILET PARTITIONS: SOLID PLASTIC BY ACCURATE PARTITIONS CORP., OR RESTROOM SIDEWALL ELEVATION - GIRLS, STAFF, BOYS RESTROOM SIDEWALL ELEVATION - GIRLS, STAFF, BOYS EQUIVALENT, w/ FLOOR ANCHORS, OVERHEAD BRACED OR EQUIVALENT. INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMEN COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS) MINIMUM FLAME SPREAD RATING: 50. MINIMUM SMOKE DEVELOPMENT RATING: IS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIET 450. (BY OTHERS) **KEYNOTES** RTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMA AMS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGINA /ITH AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICAT 14 > TYP. MIRROR (19# MAX. WEIGHT) - SEE DETAIL 17/P2.0 AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTE

COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR (15) WINDOW - SEE SPEC'S INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE DNSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISH PPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITT SENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTION NOTE: FOR ACCESSIBLE FIXTURES & ACCESSORIES MOUNTING HEIGHT REQUIREMENTS (PER CBC CHAPTER 11B), SEE SHEET P2.0/10 FOR ACCESSIBLE HEIGHTS TABLE. 24' x 40' THRU 120' x 40' STANDARD MODULAR BUILDING SEE SHEET A4.2 FOR ALTERNATE HEIGHT ELEVATIONS SEE SHEET A4.2 FOR ALTERNATE HEIGHT ELEVATIONS SEE SHEET A4.2 FOR ALTERNATE HEIGHT ELEVATIONS SEE SHEET A4.2 FOR ALTERNATE HEIGHT ELEVATIONS SITE SPECIFIC PROJECT NAME **KEY NOTES** RESTROOM SIDEWALL ELEVATION - BOYS & GIRLS STROOM SIDEWALL ELEVATION - BOYS & SEE SHEET A4.1-N FOR **GENERAL NOTES** DIV. OF THE STATE ARCHIT SITE-SPECIFIC SHEET SEE SHEET A4.2 FOR ALTERNATE HEIGHT ELEVATIONS SEE SHEET A4.2 FOR ALTERNATE HEIGHT ELEVATIONS THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD. POET CHRISTIAN ELEMENTARY SCHOOL GLE TOILET ELEVATION - UNISEX
SCALE: 1/4" = 1'-0' SINGLE TOILET ELEVATION - UNISEX
SCALE: 1/4" = 1'-0" 1701 S CENTRAL AVE. TRACY, CA 95376 DRAWN BY: AA AS NOTED PROJECT: MM/DD/YY POET CHRISTIAN ES - TK CLASSROOM INTERIOR ELEVATIONS **INTERIOR ELEVATIONS RESTROOM OPTIONS** RESTROOM OPTIONS DATE: 04/03/24 CLIENT PROJ NO: 35950010 15 SINGLE TOILET ELEVATION - UNISEX 17 NOT USED 16 NOT USED 18 NOT USED PLEASE RECYCLE

ADDENDUM "A"

SS 🗹 FLS 🗹 ACS 🗹

CLIENT PROJ NO: 359500100





**HMC** Architects

3595001000

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916 368 7990 / www.hmcarchitects.com

**DESCRIPTION** 

A ADDENDUM "A"

3/20/25

DATE

**KEYNOTES** 

**GENERAL NOTES** 

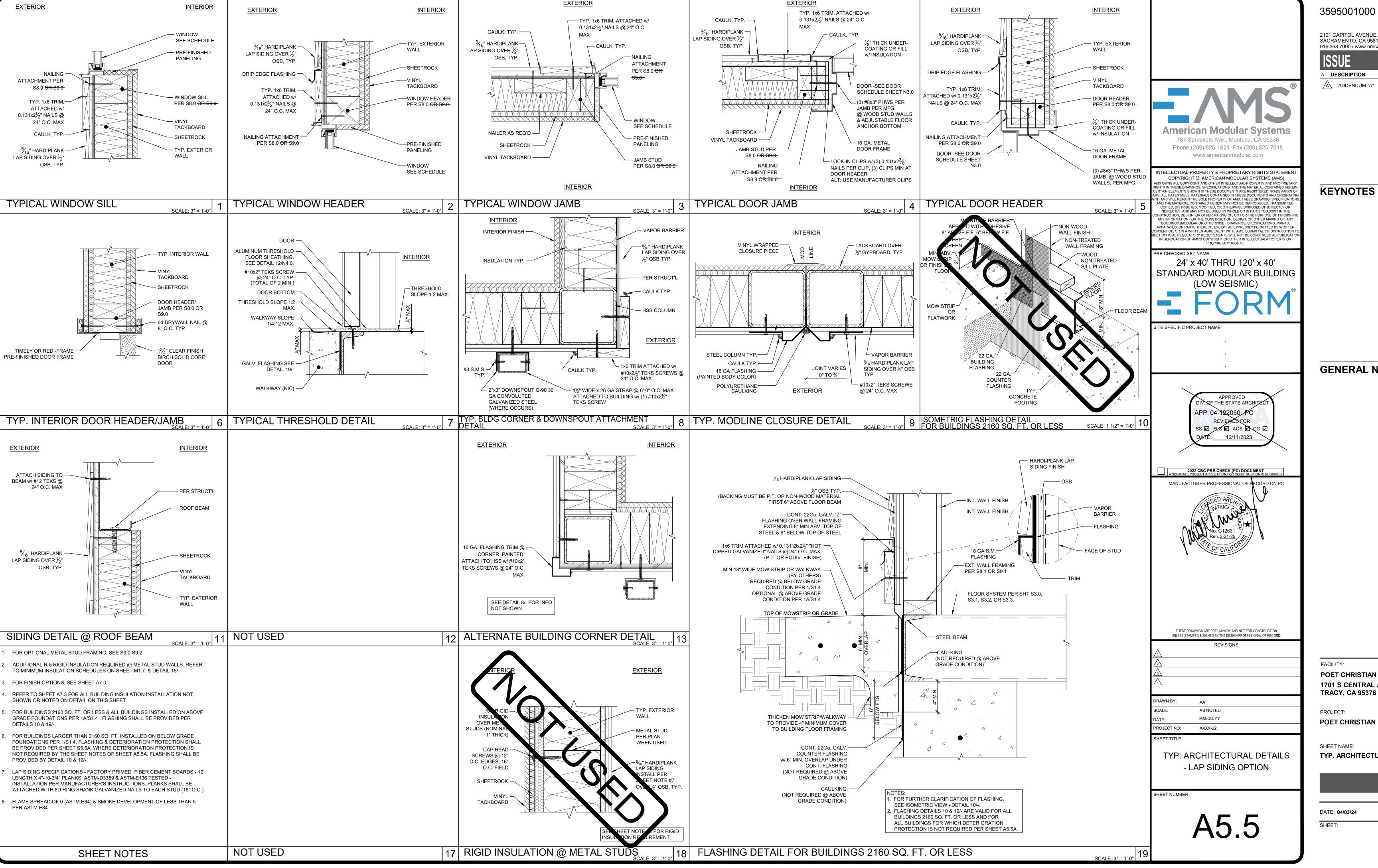
POET CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE.

PROJECT:

POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:

TYP. ARCHITECTURAL DETAILS - LAP SIDING OPTION



PLEASE RECYCLE 60

ADDENDUM "A"

CLIENT PROJ NO: 3595001000

A7.1

ADDENDUM "A"

**↑** INSULATION CORNER DET.

SCALE: 1-1/2"=1'-0"

TYP. TRANSVERSE SECTION - MONO/DUAL PITCH

A7.3
ADDENDUM "A"

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CLIENT PROJ NO: 359500100

PLEASE RECYCLE 🖧 ADDENDUM "A'

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CLIENT PROJ NO: 359500100

ADDENDUM "A"

S1.6B
ADDENDUM "A"

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ADDENDUM "A"

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ADDENDUM "A"

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APP: 02-122977 INC:

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SS FLS ACS D

DATE: 03/12/2025



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△ DESCRIPTION

ADDENDUM "A"

DATE

3/20/25

**KEYNOTES** 

GENERAL NOTES

FACILITY:

POET CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE. TRACY, CA 95376

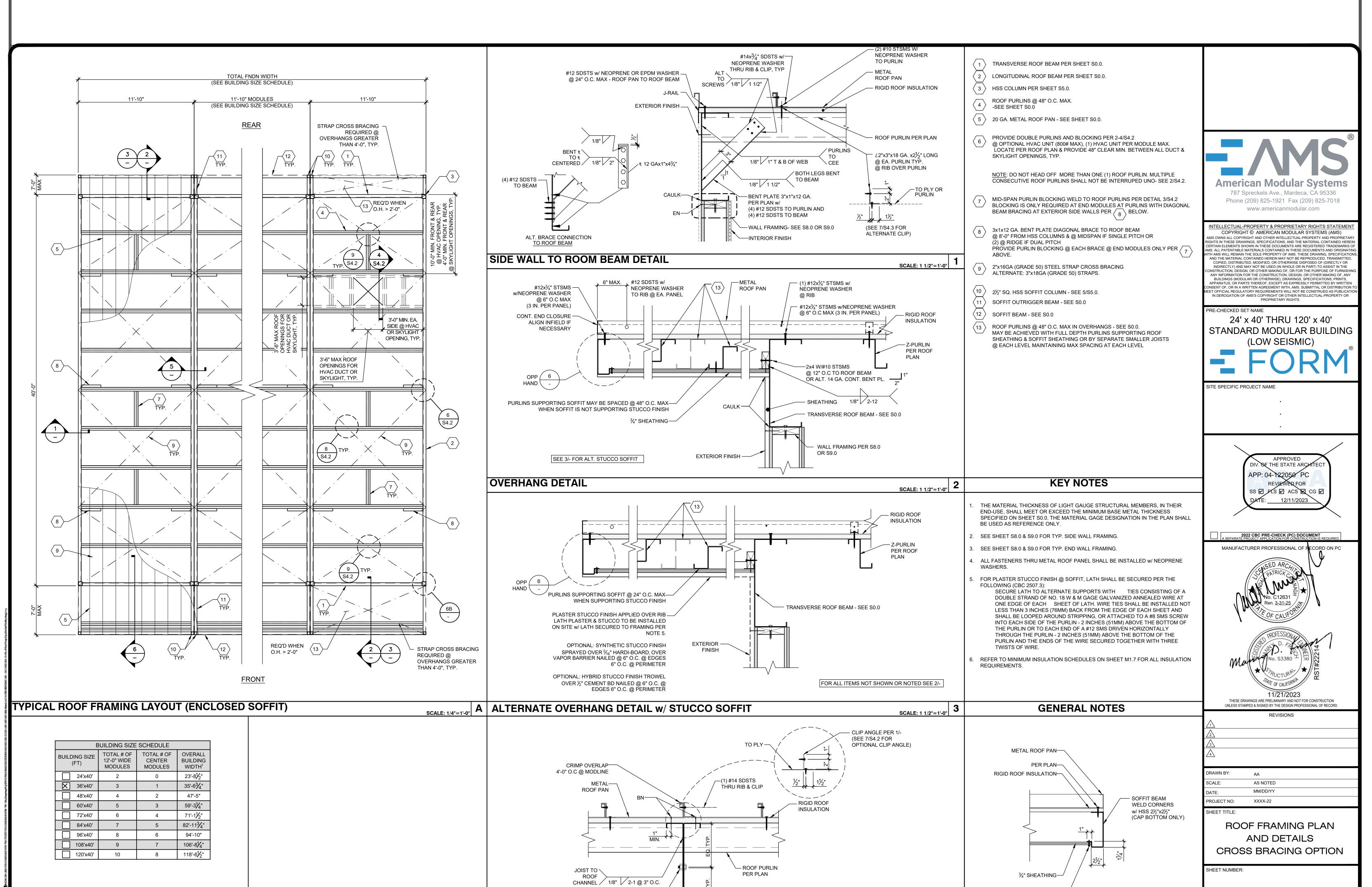
PROJECT:

POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME:
ROOF FRAMING PLAN AND DETAILS CROSS BRACING OPTION

DATE: **04/03/24** CLIENT PROJ NO: **359500100** 

S<sub>4</sub>



½"Ø FIELD BOLT @ 10'-0" O.C MAX ——

(SEE 5/S4.2 FOR OPTIONAL TIE PLATE TO BE USED IN LIEU OF BOLTS)

**ROOF BEAM CONNECTION DETAIL** 

10" FROM COLUMNS.

TOTAL BUILDING WIDTH INCLUDES 1/4" PER MODULAR CONSTRUCTION

**BUILDING SIZE SCHEDULE** 

NOT USED

TOLERANCE PER FOUNDATION SHEETS S1.1, S1.2, & S1.3.

PLEASE RECYCLE

#10 SDSTS @ 12" O.C. TYP. @ EA. PANEL EDGE

SCALE: 1 1/2"=1'-0"

SCALE: 1 1/2"=1'-0" 5 ENCLOSED SOFFIT DETAIL

S4.0
ADDENDUM "A"

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

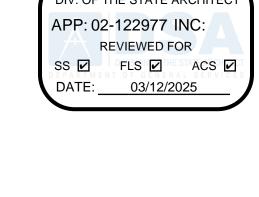
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ADDENDUM "A"

S5.1
ADDENDUM "A"





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**DESCRIPTION** A ADDENDUM "A"

DATE

3/20/25

**KEYNOTES** 

**GENERAL NOTES** 

FACILITY:

DATE: 04/03/24

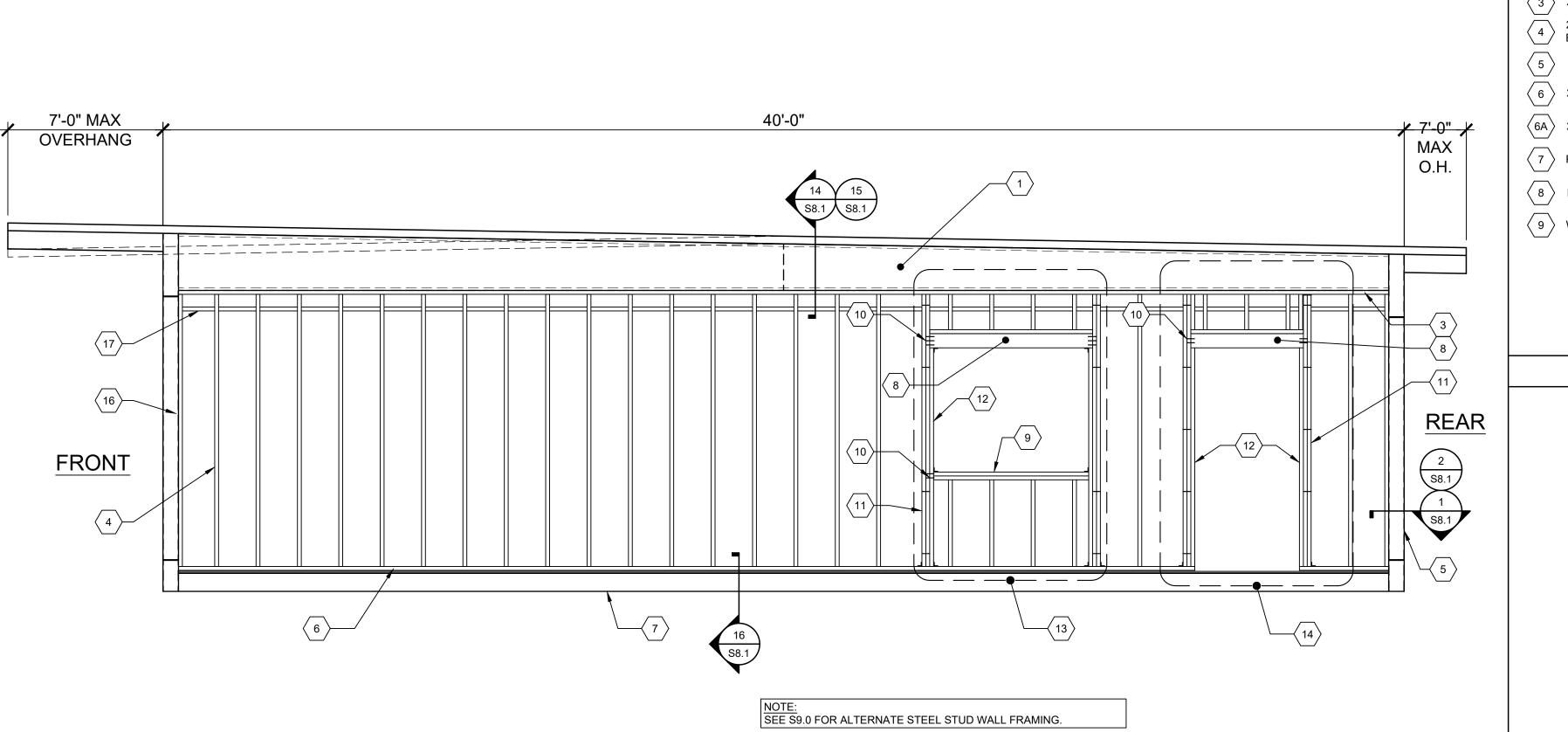
POET CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE. TRACY, CA 95376

PROJECT:

POET CHRISTIAN ES - TK CLASSROOM

WALL FRAMING ELEVATIONS & SCHEDULES - WOOD

CLIENT PROJ NO: 359500100



SEE S9.0 FOR ALTERNATE STEEL STUD WALL FRAMING

DOOR/WINDOW OPENING AT TYPICAL WALL (NO STUCCO)

# END NAILS

KING STUDS<sup>1</sup> KING STUD INTERNAIL

(2) 2x6

0.131"Øx3" NAILS @ 12"

O.C. MAX STAGGERED

TYP. END WALL FRAMING W/ NO OPENINGS
SCALE: 1/4"=1'-0" 1 TYP. END WALL FRAMING W/ INDOOR HVAC UNIT (OPTIONAL)

(AS APPLICABLE)

TYPICAL SIDE WALL FRAMING (MONO/DUAL PITCH)

NOTE: SEE S9.0 FOR ALTERNATE STEEL STUD WALL FRAMING.

OPENING SIZE

HEADER

4'-0" OR LESS 4x6 FLAT (1) 2x6

>4'-0" TO 6'-0" 4x6 FLAT

>8'-0" TO 10'-0" 6x6 (2) 2x6 (3) 2x6 >6'-0" TO 8'-0" 6x6 (1) 2x6 (2) 2x6 1 ROOF BEAM PER SHEET S5.0

 $\langle 2 \rangle$  2x6 MIN. TOP PLATE - NO SPLICE

(3) 2x6 MIN. TOP PLATE  $\langle 12 \rangle$  2x6 MIN. TRIMMER OPTIONAL WINDOW OPENING FRAMING PER SCHEDULE 2x6 MIN. STUDS SPACED PER SCHEDULE W/(3) 0.131"Ø x3"

NOTE: SEE CARPENTRY NOTES SHEET N1.0 SECTION 6

**KEY NOTES** 

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

SECTIONS<sup>1,2</sup>

FOR WOOD SPECIES & GRADE

 $\stackrel{4}{\longrightarrow}$  END NAILS OR (4) 0.131"Ø x3" TOE NAILS T&B TO PLATES TYP.

5 HSS COLUMN PER SHEET S5.0  $\langle$  6  $\rangle$  2x6 MIN. BOTTOM PLATE - NO SPLICE (P.T. AT CONCRETE FLOORS)

FINISH TYPE

 $rac{1}{2}$ " PLYWOOD SHEATHING CONFORMING TO PS1-09,  $\parallel$ 

1. ALL NAILS IN EXTERIOR APPLICATIONS SHALL BE GALVANIZED.

6" HARDI-BOARD w/ SYNTHETIC STUCCO

APA RATED, 5 PLY 32/16", OR 1/2" OSB PANELS

<sup>5</sup>∕<sub>6</sub>" HARDI-LAP SIDING

EXPOSURE 1 w/ 1/8" STUCCO

 $\langle 6A \rangle$  2x6 MIN. BOTTOM PLATE (P.T. AT CONCRETE FLOORS)

7 PERIMETER FLOOR BEAM PER SHEET S5.0

( 8 ) HEADER PER OPENING SCHEDULE (9) WINDOW SILL PER OPENING SCHEDULE

AND FLOOR PLANS FOR LOCATIONS) OPTIONAL DOOR OPENING FRAMING PER SCHEDULE (REFER TO 5/S8.0 FOR DETAILS

END NAILS THROUGH KING STUD TO HEADER SILL PER OPENING SCHEDULE

AND FLOOR PLANS FOR LOCATIONS)

(11) KING STUDS PER OPENING SCHEDULE

(REFER TO 4/S8.0 FOR DETAILS

HVAC OPENING @ EXTERIOR WALL (600#MAX WT.)
SEE DETAIL 3/S8.1 FOR HVAC ATTACHMENT - SEE
DETAIL 3/S8.1 FOR HVAC ATTACHMENT

 $\langle 16 \rangle$  2x DOUBLE NAILER

17 FIRE BLOCKING @ 10'-0" AFF VERTICALLY, HORIZONTALLY AT THE CEILING AND FLOOR LEVELS. **American Modular Systems** 787 Spreckels Ave., Manteca, CA 95336 Phone (209) 825-1921 Fax (209) 825-7018 www.americanmodular.com

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PRE-CHECKED SET NAME 24' x 40' THRU 120' x 40' STANDARD MODULAR BUILDING (LOW SEISMIC)

DIV. OF THE STATE ARCHITEC

SS I FLS I ACS I CG I

2022 CBC PRE-CHECK (PC) DOCUMENT

MANUFACTURER PROFESSIONAL OF RECORD ON PC

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD.

APP: 04-122050 PC

SITE SPECIFIC PROJECT NAME

DRAWN BY:

PROJECT NO:

SHEET TITLE:

SHEET NUMBER:

AA

AS NOTED

MM/DD/YY

XXXX-22

WALL FRAMING

**ELEVATIONS & SCHEDULES** 

- WOOD STUDS

2. TYPICAL PLYWOOD NAILING WHERE OCCURS: 0.131"Ø  $x2\frac{1}{4}$ " GALV. NAILS @ 6" O.C. E.N. & 12" O.C. F.N. (ALL EDGES BLOCKED).

STUD TYPE

DOUG FIR #2

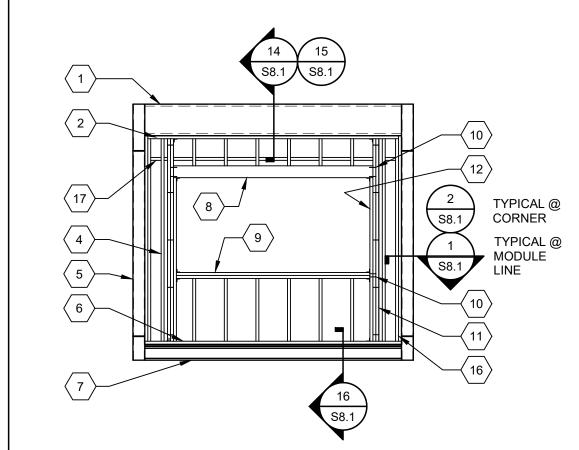
DOUG FIR #2

STUD SPACING

16" O.C. MAX

16" O.C. MAX

EXTERIOR WALL FINISH/WALL STUD SCHEDULE



SEE S9.0 FOR ALTERNATE STEEL STUD WALL FRAMING.

TYPICAL END WALL FRAMING WINDOW

NOTE: SEE S9.0 FOR ALTERNATE STEEL STUD WALL FRAMING. 1 TYPICAL END WALL FRAMING w/ DOOR SCALE: 1/4"=1'-0" 4 SCALE: 1/4"=1'-0"

SEE S9.0 FOR ALTERNATE STEEL STUD WALL FRAMING.

JNIT
SCALE: 1/4"=1'-0" 2 TYP. END WALL FRAMING W/ WALL HUNG HVAC UNIT
(OPTIONAL)
SCAL

DOOR/WINDOW OPENING AT STUCCO WALL								
OPENING SIZE	HEADER WINDOW SILL <sup>2</sup> (AS APPLICABLE)	WINDOW SILL <sup>2</sup> (AS APPLICABLE)	KING STUDS <sup>1</sup>	SPACING	HEADER TO KIN	NG STUD NAILING	WINDOW SILL TO	KING STUD NAILING
					# END NAILS	# FACE NAILS	# END NAILS	# FACE NAILS
					1 <sup>ST</sup> KING STUD	KING STUD TO KING	1 <sup>ST</sup> KING STUD TO	KING STUD TO KIN
					TO HEADER <sup>3</sup>	STUD @ HEADER	WINDOW SILL <sup>3</sup>	STUD @ WINDOW S
					(0.131"Øx3" NAILS)	(0.131"Øx3" NAILS)	(0.131"Øx3" NAILS)	(0.131"Øx3" NAILS
>8'-0" TO 10'-0"	6x6	(2) 2x6	(3) 2x6		6	3	4	2
>6'-0" TO 8'-0"	6x6	(2) 2x6	(3) 2x6	0.131"Øx3" NAILS @ 12"	5	3	4	2
>4'-0" TO 6'-0"	4x6 FLAT	(1) 2x6	(2) 2x6	O.C. MAX STAGGERED	4	2	3	2
4'-0" OR LESS	4x6 FLAT	(1) 2x6	(2) 2x6	1	1	2	3	2

KING STUD TO KING

STUD @ WINDOW

SILL (0.131"Øx3"

NAILS)

HEADER TO KING STUD NAILING WINDOW SILL TO KING STUD NAILING

# FACE NAILS

TO HEADER<sup>3</sup> STUD @ HEADER

(0.131"Øx3" NAILS) (0.131"Øx3" NAILS)

1<sup>ST</sup> KING STUD KING STUD TO KING 1<sup>ST</sup> KING STUD TO

# END NAILS

WINDOW SILL<sup>3</sup>

(0.131"Øx3" NAILS)

- **FOOTNOTES** 1. PROVIDE (2) SIMPSON A34 T&B OF KING STUDS TO PLATES FOR OPENINGS GREATER THAN 4'-0". PROVIDE (1) SIMPSON A34 T&B OF KING STUDS TO PLATES FOR OPENINGS 4'-0" OR LESS.
- 2. WHEN MORE THAN A SINGLE SILL PLATE IS REQUIRED, INTERNAIL w/ 0.131"Øx3" NAILS @ 12" O.C. STAGGERED.

SCALE: 3/8"=1'-0"

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

-HVAC DUCT OPENING LOCATIONS MAY VARY ANYWHERE ALONG ROOF BEAM (EXCEPT AS SHOWN

3. TWO (2) END NAILS PER LAMINATION MINIMUM.

OPENING SCHEDULE

IDENTIFICATION STAMP

ADDENDUM "A"

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-122977 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 **HMC** Architects MAIN TEE RUNNER TYP. PER TABLE A, SHEET M1.7 3595001000 CROSS TEE RUNNER TYP. PER TABLE A, SHEET M1.7 23'-81/2" THRU 118'-61/2" SEE BUILDING SIZE SCHEDULE (FOCOL TO FOCOL) INTERIOR LIGHT FIXTURE, REFER TO SHEET SHEET E1.0 FQ 2101 CAPITOL AVENUE, SUITE 100 ATTACHMENT PER DETAIL 7/M1.4 SACRAMENTO, CA 95816 916 368 7990 / www.hmcarchitects.com ( 4 ) CEILING HEIGHT @ 8'-0" MIN. 11'-10" MODULE 11'-10" MODULE 11'-10" MODULE STRUT/SPLAY WIRE ASSEMBLY, SEE 2/M1 **DESCRIPTION** DATE 6 FIXED CEILING END, SEE DETAIL 5 A ADDENDUM "A" 3/20/25 FREE CEILING END, SEE DE C102 C103 SSES MODULE LINE TO BE FIELD INSTALLED, SEE CENTER SECTION THAT  $\stackrel{8}{\nearrow}$  DETAIL 5C/M1.4 TYP. CLASSROOM TYP. CLASSROOM REFER TO  $^{\prime}$  9  $\, \rangle \,$  TYP. HVAC UI CLASSROOM 101 CLASSROOM 101 FOR TYP. NOTES FOR TYP. NOTES X TON **American Modular Systems** A-TUBE - SEE DETAIL 1/M1.6 787 Spreckels Ave., Manteca, CA 95336 Phone (209) 825-1921 Fax (209) 825-7018 **KEY NOTES** www.americanmodular.com WHERE TWO OR MORE HVAC UNITS SERVE A COMMON SPACE, UNITS SHALL BE EQUIPPED WITH A DUCT SMOKE DETECTOR FOR AUTO SHUTDOWN. INTERCONNECT INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMEN COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS) WITH FIRE ALARM SYSTEM. C101 IS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETA SHTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED RTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMA TYP. CLASSROOM **KEYNOTES** AUTOMATIC SHUT-OFF IS NOT REQUIRED WHEN ALL OCCUPIED ROOMS SERVED BY S. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGIN H AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICA THE AIR HANDLING EQUIPMENT HAVE DIRECT ACCESS TO THE EXTERIOR AND THE AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTE COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR TRAVEL DISTANCE DOES NOT EXCEED 100 FT. PER C.M.C. 608.1 EXCEPTION #2. INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE NSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISH LIGHT FIXTURES MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-GRID. BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS, APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTE DISSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTIO PC TITLE 24 HAS BEEN RUN FOR WORSE CASE OUTDOOR VENTILATION REQUIREMENTS (SEE OUTDOOR VENTILATION ON SHEET N2.0 FOR OUR OUTDOOR ET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICA IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR VENTILATION DESIGN REQUIREMENT NOTES) PROPRIETARY RIGHTS. ACCEPTANCE TESTING PER ENERGY CODE SECTION 10-103. PRE-CHECKED SET NAME 24' x 40' THRU 120' x 40' ACCEPTANCE TESTS TO BE COMPLETED ON NEWLY INSTALLED OR REPLACEMENT OF MECHANICAL SYSTEMS BEFORE PROJECT COMPLETION PER THE CALIFORNIA STANDARD MODULAR BUILDING ENERGY CODE SECTION 10-103. ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED ACCEPTANCE TEST TECHNICIAN (ATT). THE ACCEPTANCE TESTING (LOW SEISMIC) 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. SITE SPECIFIC PROJECT NAME **GENERAL NOTES GENERAL NOTES** SEE SHEET M1.0-N FOR MEP COMPONENT ANCHORAGE NOTES ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED APPROVED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. DIV. OF THE STATE ARCHITECT THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS APP: 04-122050 PC 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTER 13, 26 AND 30. SS D FLS D ACS D CG D ALL PERMANENT EQUIPMENT AND COMPONENTS. SITE-SPECIFIC SHEET 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 2022 CBC PRE-CHECK (PC) DOCUMENT TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE MANUFACTURER PROFESSIONAL OF RECORD ON PC ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA. THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCE NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS: A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT. 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. THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE TYPICAL REFLECTED CEILING PLAN REQUIREMENTS. SCALE: 1/4" = 1'-0" THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD. PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTES BUILDING SIZE SCHEDULE PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO BUILDING SIZE TOTAL # OF TOTAL # OF OVERALL COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION FACILITY: 12'-0" WIDE CENTER BUILDING 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. MODULES | MODULES | WIDTH<sup>1</sup> POET CHRISTIAN ELEMENTARY SCHOOL 24'x40' 23'-81/2" 1701 S CENTRAL AVE. METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE 35'-6<sup>3</sup>/<sub>4</sub>" 36'x40' 3 1 TIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND **TRACY, CA 95376** S ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (E.G., OSHPD 48'x40' 2 47'-5" RAWN BY: AA 3 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE 3 59'-31/4" ALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING OR MANU AS NOTED 60'x40' PROJECT: BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL MM/DD/YY 72'x40' 71'-11/2" 4 ENGINEER OF RE RD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT POET CHRISTIAN ES - TK CLASSROOM XXXX-22 THE HANGER AND BR ROJECT NO: 5 82'-11<sup>3</sup>/<sub>4</sub>" 84'x40' SHEET TITLE: 96'x40' 6 94'-10" MECHANICAL PIPING (MP), ML HANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYS. MS (E): **TYPICAL** SHEET NAME: 106'-81/4" 108'x40' 7 TYPICAL REFLECTED CEILING PLAN 120'x40' 8 118'-6½" REFLECTED CEILING MP

MD

PP

E

OPTION 1: DETAIL. ON THE APPROVED DRAWINGS WITH PROJECT OTES AND DETAILS. PLAN MP MD PP E OPTION 2: SHALL COMPLIPER PRE-APPROVAL INTH THE APPLICABLE OSHPD NOTES: TOTAL BUILDING WIDTH INCLUDES  $\frac{1}{4}$ " PER MODULE CONSTRUCTION TOLERANCE PER FOUNDATION SHEETS \$1.0, \$1.1, \$1.2, & \$1.3 SHEET NUMBER: CLIENT PROJ NO: 359500100 DATE: 04/03/24 M1.0MEP COMPONENT ANCHORAGE NOTES NOT USED NOT USED NOT USED BUILDING SIZE SCHEDULE

ADDENDUM "A"



DATE

3/20/25



HMC Architects

3595001000

2101 CAPITOL AVENUE, SUITE 100 SACRAMENTO, CA 95816

**DESCRIPTION** 

A ADDENDUM "A"

**KEYNOTES** 

FACILITY:

POET CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE. **TRACY, CA 95376** 

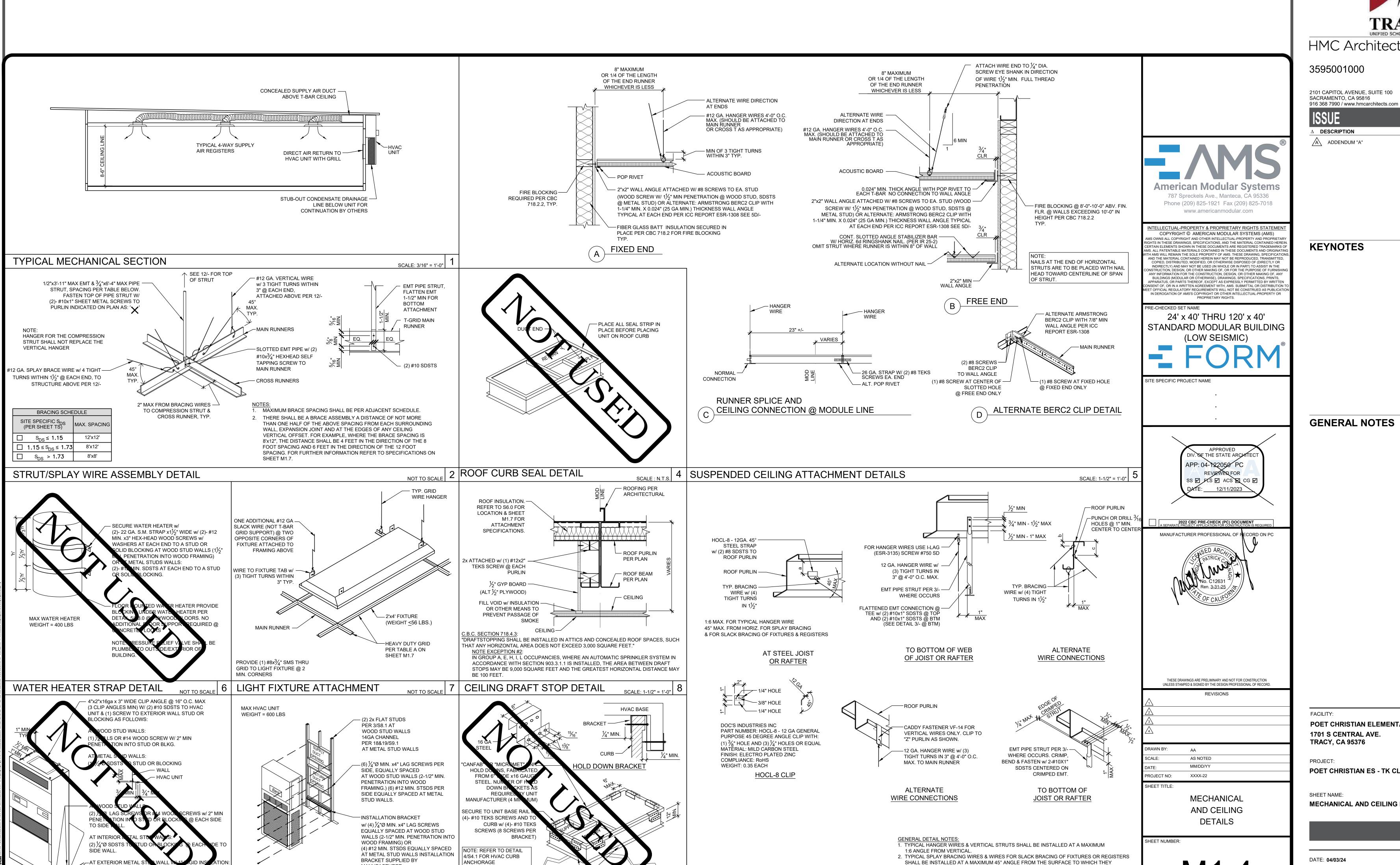
PROJECT:

POET CHRISTIAN ES - TK CLASSROOM

MECHANICAL AND CEILING DETAILS

CLIENT PROJ NO: 359500100 DATE: 04/03/24

ADDENDUM "A"



MANUFACTURER

9 WALL MOUNT HVAC ANCHORAGE NOT TO SCALE 10 OPTIONAL HVAC ROOF CURB

OVERLAP ROOFING ----

ONTO CURB AND SEAL

(3)  $\frac{1}{4}$ "Ø SDSTS TO STUD OR

SIDE WALL.

FINISH FLOOR

INTERIOR HVAC ANCHORAGE

SHEET NAME:

NOT TO SCALE

ARE ATTACHED.

NOT TO SCALE 11 SUSPENDED CEILING TO PURLIN CONNECTION DETAILS

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-122977 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

DATE

3/20/25

CLIENT PROJ NO: 359500100

PLEASE RECYCLE

ADDENDUM "A"

M1.6
ADDENDUM "A"

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-122977 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 03/12/2025

**HMC Architects** 

3595001000

2101 CAPITOL AVENUE, SUITE 100 SACRAMENTO, CA 95816

916 368 7990 / www.hmcarchitects.com

DESCRIPTION

A ADDENDUM "A"

3/20/25

DATE

**KEYNOTES** 

2022 CBC PRE-CHECK (PC) DOCUMENT

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION LINEESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD

RAWN BY AA AS NOTED MM/DD/YY PROJECT NO: XXXX-22

**CEILING NOTES** 

SHEET NUMBER:

7. SERVICES WITHIN THE CEILING

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. OTHER DEVICES WITHIN THE CEILING

2. REFER TO 'A' DETAIL 5/M1.4 FOR BERC2 CLIP DETAIL

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.

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	

**American Modular Systems** 787 Spreckels Ave., Manteca, CA 95336 Phone (209) 825-1921 Fax (209) 825-7018 www.americanmodular.com

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RE-CHECKED SET NAME 24' x 40' THRU 120' x 40' STANDARD MODULAR BUILDING (LOW SEISMIC)

SITE SPECIFIC PROJECT NAME

APPROVED DIV. OF THE STATE ARCHITEC APP: 04-122050 PC SS 🗹 🏿 ACS 🖳 CG 🗗

MANUFACTURER PROFESSIONAL OF RECORD ON PC

& SPECIFICATIONS

**GENERAL NOTES** 

PROJECT:

SHEET NAME:

DATE: 04/03/24

1701 S CENTRAL AVE.

**TRACY, CA 95376** 

POET CHRISTIAN ELEMENTARY SCHOOL

POET CHRISTIAN ES - TK CLASSROOM

**CEILING NOTES & SPECIFICATIONS** 

SHEET TITLE:

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

56 POUNDS. MAXIMUM SPACING BETWEEN SUPPORTS SHALL NOT EXCEED 8 FEET.

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

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

1.03 CEILING SYSTEMS. THE FOLLOWING CEILING SYSTEM(S) IS/ARE PART OF THE SCOPE OF THIS PROJECT:

CROSS RUNNER PART, MODEL, CATALOG NUMBER: 4' CROSS T # XL7341 & 2' CROSS T # XL8320

FIBER, IT IS NOT MANDATORY TO PROVIDE 3/4" CLEARANCE BETWEEN THE ACOUSTICAL TILE PANELS AND THE WALL ON THE

RUNNERS/MEMBERS AND WALLS SHALL COMPLY WITH THE DETAILS ON THESE DRAWINGS REGARDLESS OF CEILING TILE

THE CEILING PANEL AND THE WALL ON THE SIDES OF THE CEILING FREE TO SLIP. CLEARANCE BETWEEN CEILING GRID

TO ASTM A641. WIRE SHALL BE #12 GAUGE (0.106" DIAMETER) WITH SOFT TEMPER AND MINIMUM ULTIMATE TENSILE

2.02 GALVANIZED SHEET STEEL (INCLUDING THAT USED FOR METAL STUD AND TRACK COMPRESSION STRUTS/POST) SHALL

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

2.03 ELECTRICAL METALLIC TUBE (EMT) SHALL BE ANSI C80.3/UL 797 CARBON STEEL WITH G90 GALVANIZING. EMT SHALL HAVE

3.01 SEPARATE ALL CEILING HANGER AND BRACING WIRES AT LEAST 6 INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT,

3.02 HANGER AND BRACING WIRES SHALL NOT ATTACH TO OR BEND AROUND OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO

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

3.03 HANGER WIRES THAT ARE MORE THAN ONE (HORIZONTAL) IN SIX (VERTICAL) OUT OF PLUMB SHALL HAVE COUNTER-SLOPING

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.).

4.04 IF NOT OTHERWISE SPECIFIED IN THE EVALUATION REPORT, POWER-ACTUATED FASTENERS INSTALLED IN STEEL SHALL BE

4.06 CONCRETE REINFORCEMENT AND PRE-STRESSING TENDONS SHALL BE LOCATED BY NON-DESTRUCTIVE MEANS PRIOR TO

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

5.03 POST-INSTALLED ANCHORS IN CONCRETE USED TO ATTACH BRACING WIRES SHALL BE TESTED AT A FREQUENCY OF 50

MECHANICAL MEANS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE LUMINARIES. A MINIMUM OF TWO

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

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

DEVICE TO THE STRUCTURE ABOVE. PROVIDE ADDITIONAL SUPPORTS WHEN A LUMINARY IS 8 FEET OR LONGER OR EXCEEDS

SCREWS OR APPROVED FASTENERS ARE REQUIRED AT EACH LUMINARIES, PER ASTM E580 SECTION 5.3.1.

SIDES OF THE CEILING WHICH ARE FREE TO SLIP. FOR ALL OTHER CEILING PANEL TYPES, PROVIDE 3/2" CLEARANCE BETWEEN

1.02 THE CEILING GRID SYSTEM MUST BE RATED HEAVY DUTY AS DEFINED BY ASTM C635.

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

2.01 CEILING WIRE SHALL BE CLASS 1 ZINC COATED (GALVANIZED) CARBON STEEL CONFORMING

CONFORM TO ASTM A653. OR OTHER EQUIVALENT SHEET STEEL LISTED IN SECTION

MINIMUM YIELD STRENGTH (Fy) OF 30 KSI AND MINIMUM ULTIMATE STRENGTH (Fu) OF 48 KSI.

GAUGE) AND HEAVIER SHALL HAVE A MINIMUM YIELD STRENGTH OF 50 KSI.

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

4.05 POWER-ACTUATED FASTENERS IN CONCRETE OR MASONRY ARE NOT PERMITTED FOR

4.07 WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3 USING E60XX SERIES ELECTRODES.

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

6.01 ALL LUMINARIES SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION SYSTEMS BY

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

5.02 POST-INSTALLED ANCHORS IN CONCRETE USED TO SUPPORT HANGER WIRES SHALL BE

INSTALLED SO THE ENTIRE POINTED END OF THE FASTENER IS DRIVEN THROUGH THE STEEL MEMBER

3. ATTACHMENT OF HANGER AND BRACING WIRES

PIPING, DUCTWORK, CONDUIT AND EQUIPMENT.

4. FASTENERS AND WELDING

INSTALLING POST-INSTALLED ANCHORS.

PERCENT IN ACCORDANCE WITH CBC SECTION 1910A.5.

EXPOSED THREADS.

SECTION 1910A.5.

STRUCTURE ABOVE.

6. LUMINARIES

4.02 N/A

PRODUCT NAME: PRELUDE XL AND PRELUDE XL HIGH RECYLED CONTENT(HRC) ICC

1. CEILING SYSTEM GENERAL NOTES

MATERIAL.

STRENGTH = 70 KSI.

MANUFACTURER: **ARMSTONG (OR EQUAL)** 

EVALUATION REPORT TYPE AND NUMBER: **ESR#1308** 

MAIN RUNNER PART, MODEL, OR CATALOG NUMBER: 7301

1.04 SEISMIC WALL CLIP: BERC2 CLIP MANUFACTURER'S MODEL: 7810

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.

OVERRIDE FOR UP TO 4 HOURS, OCCUPANCY SENSOR, OR A 4 HOUR MANUALLY OPERATED TIMER.

R-13

ADDITIONAL HVAC NOTES:

24'x40' MINIMUM INSULATION SCHEDULE

36'x40' MINIMUM INSULATION SCHEDULE

48'x40' MINIMUM INSULATION SCHEDULE

R-5

R-5

80'x40' MINIMUM INSULATION SCHEDULE

R-5

72'x40' M\NIMUM INSULATION SCHEDULE

84'x40' MINIMUM INSULATION SCHEDULE

R-19 R-5 R-5

R-5

96'x40' MINIMUM INSULATION SCHEDULE

BATTS RIGID RIGID (Wo

108'x40' MINIMUM INSULATION SCHEDULE

R-5

120'x40' MINIMUM INSULATION SCHEDULE

BATTS RIGID RIGID (w/o

R-5

MANUAL OVERRIDE CONTROLS ARE A MANDATORY MEASURE UNDER ENERGY CODE SECTION 120.2(e).

THEM TO TURN ON THE HVAC SYSTEM DURING NORMAL UNOCCUPIED TIMES. THIS CAN BE A MANUAL

ALL HVAC SYSTEMS SHALL HAVE A MANUAL OVERRIDE ACCESSIBLE TO THE OCCUPANTS THAT ALLOWS

R-19 / R-5

R-5/R-13 R-5 R-5

R-5/R-13 R-19 R-5 R-5

R-19

R-5/R-13 R-19 R-5

R-5/R-13 R-19 R-5

MINIMUM INSULATION SCHEDULES

R-19 /

R-19 \ R-5

RIGID RIGID (w/o (w/SHEATHING)

/ R-5

R-5

R-5

R-5

R-19 R-15

R-19

R-19

R-19

R-19

R-19 R-15

R-19

R-19

R-13

(NON-CONCRETE)

R-13

R-13

(NON-CONCRETE)

R-13

R-13

R-13

FLOORS

R-13

R-13

R-13

(NON-CONCRETE)

R-13

R-13

(NON-CONCRETE)

R-13

R-13

R-13

(NON-CONCRETE)

R-13

R-13

CONCRETE FLOORS

R-5

N/A

CONCRETE FLOOP

N/A

N/A

ONCRETE FLOOR

R-15

N/A

ONCRETE FLOOR

CONCRETE FLOORS

R-13

ZONE

R-5/R-13

R-5/R-13

R-5/R-13

R-5/R-13

R-5/R-13

R-5/R-13

R-5/R-13

R-5/R-13

R-5/R-13

R-5/R-13

R-5/R-13

R-**3**/R-13

R-5/R-13

 R-19

WOOD STUDS METAL STUDS WALL

WOOD STUDS | METAL STU

WOOD STUDS | METAL STUDS

WOOD STUDS METAL STUDS

R-13

R-13

R-13

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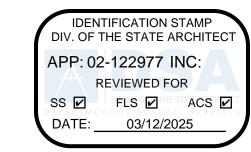
R-13

R-19

METAL SUSPENSION SYSTEMS FOR LAY IN PANEL CEILING

ADDENDUM "A"

CLIENT PROJ NO: 359500100



**HMC** Architects

916 368 7990 / www.hmcarchitects.com

DESCRIPTION

STANDARD MODULAR BUILDING (LOW SEISMIC)

**American Modular Systems** 

787 Spreckels Ave., Manteca, CA 95336

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

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TE SPECIFIC PROJECT NAME

E-CHECKED SET NAME

APPROVED OF THE STATE ARCЫ APP: 04-122050 PC SS D PLS D ACS D CG D 12/11/2023

2022 CBC PRE-CHECK (PC) DOCUMENT

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD

MECHANICAL NOTES

& SCHEDULES

SHEET NUMBER:

2101 CAPITOL AVENUE, SUITE 100

DATE 3/20/25

POET CHRISTIAN ELEMENTARY SCHOOL

POET CHRISTIAN ES - TK CLASSROOM

MECHANICAL NOTES & SCHEDULES

1701 S CENTRAL AVE.

**TRACY. CA 95376** 

PROJECT:

SHEET NAME:

DATE: 04/03/24

DRAWN BY: AS NOTED MM/DD/YY ROJECT NO: SHEET TITLE:

3595001000

SACRAMENTO, CA 95816

A ADDENDUM "A"

**KEYNOTES** 

**GENERAL NOTES** 

MANUFACTURER PROFESSIONAL OF RECORD ON PC

B. THE SYSTEM MUST MAINTAIN THE ABOVE TEMPERATURE WHEN THE DAMPER IS ADJUSTED TO USE APPROXIMATELY ONE-THIRD FRESH AIR. DUCTWORK

HEATING VENTILATING AND AIR CONDITIONING (HVAC)

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.

HEAT PUMP: SINGLE PACKAGE WALL-MOUNTED AIR-TO-AIR ELECTRIC HEAT PUMP UNIT SHALL BE RATED IN ACCORDANCE

DEGREES F. WHEN THE OUTDOOR DRY BULB TEMPERATURE VARIES BETWEEN 100 DEGREES F. IN THE SUMMER

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.

A. THE SYSTEM SHALL MAINTAIN AN AUTOMATICALLY CONTROLLED INDOOR CLASSROOM TEMPERATURE OF 78

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 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. DUCT INSTALLATION AND PLENUMS SHALL MEET THE REQUIREMENTS OF ENERGY CODE SECTION 120.4 AND

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.

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. 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 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

OWENS-CORNING, KNAUF, CERTAINTEED, OR EQUAL AND 90-B; UL #131 TEST, CLASS 1 RATING WITH "SMACNA".

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

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 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

KEY BOARD LOCKOUT SWITCH. PROGRAMMABLE DISPLAY.

2-HOUR OVERRIDE MINIMUM STATUS INDICATED LED'S.

BATTERY BACK-UP. 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

THERMAL INSULATION

A. ROOF INSULATION: R-19 WITH 22 GA. WIRE @ 16" O.C. & R-5 OR R-15 (REFER TO INSULATION TABLES IN

(WHERE SEALED, SETTINGS & ADJUSTMENTS CAN BE DONE BY SERVICE PERSONNEL ONLY.)

PAGE M1.7) TOP OF ROOF SHEATHING. WALLS INSULATION: R-13 KRAFT FACED. (R-5 INSULATION OVER INTERIOR SIDE METAL FRAMED WALLS) 17/A5.1 AND 17/A5.3

NON-CONCRETE FLOORS INSULATION: R-13

CONCRETE FLOORS INSULATION: R-5 OR R-15 (REFER TO INSULATION TABLES IN PAGE M1.7) BURNING CHARACTERISTICS: FLAME SPREAD LESS THAN 25 & SMOKE DEVELOPMENT IS LESS THAN 50 E. FLAME SPREAD AND SMOKE DEVELOPMENT SHALL CONFORM TO CALIFORNIA BUILDING CODE SEC. 720.

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. 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

TERMS OF THEIR LISTING AND THE REQUIREMENTS OF C.M.C. SECTION 601.0. 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.

SUPPLY AIR PLENUM TO BE SUPPORTED WITH 1-1/2" WIDE X26 GA. GALV. STRAPS MINIMUM 2 PER PLENUM.

SUPPLY AIR BOX AND DIFFUSERS TO BE SUPPORTED WITH (2) 12 GA. HANGER WIRES TO BOX @ OPPOSITE 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

DIFFUSER AND SUPPLY AIR BOX WITH TWO #8 S.M.S.

FIREBLOCKING SHALL BE PROVIDED IN THE FOLLOWING LOCATIONS: IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES;

AT THE CEILING AND FLOOR LEVELS;

AND AT 10-FOOT (3048MM) INTERVALS BOTH VERTICAL AND HORIZONTAL REFERENCE 2022 CBC SECTION 718.

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")

**HVAC FILTER** 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 THE SAME VALUE SHALL BE INCLUDED IN THE OPERATION AND MAINTENANCE MANUAL, PER 2022 CEC SECTION

INSTALLED FILTERS SHALL BE CLEARLY LABELED BY THE MANUFACTURER INCLUDING THE MERV RATING, PER 2022 CBC SECTION 5.504.5.3.1

ROOF MOUNTED HVAC

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.

HVAC CONTROLS

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 MECHANICAL AND LIGHTING SYSTEMS AND CONTROLS SHALL BE PROVIDED BY THE GENERAL CONTRACTOR FOR THE PERMANENT MODULAR RELOCATABLE BUILDING AND DELIVERED TO THE OWNER.

**HVAC CFM CHART** 

4 TON HEAT PUMP

5 TON HEAT PUMP

**HVAC CFM CHART** 

**HVAC CFM CHART** 

**HVAC CFM CHART** 

HANDLER

MODEL#

(INTERIOR

OR ATTIC

MOUNTED

FX4DN037

FX4DN043

FX4DN049

FX4DN061

THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED

AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP

LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION

ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH ENERGY CODE.

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

HTTP://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-

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.

ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING

MAX. CFM

MAX. CFM

1600

1750

MAX. CFM

1200

1600

2000

DESCRIPTION

3 TON HEAT PUMP

31/2 TON HEAT PUMP

4 TON HEAT PUMP

4½ TON HEAT PUMP

3 TON HEAT PUMP

3½ TON HEAT PUMP

4 TON HEAT PUMP

4½ TON HEAT PUMP

DESCRIPTION

3 TON HEAT PUMP

31/70N HEAT PUMP

4 TON HEAT PUMP

4½ TON HEAT PUMP

CONTRACTOR, ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT.

MODEL#

SYSTEM AIR

**BARD WALL** 

CARRIER ROOF

MOUNT

CARRIER SPLIT

DX SYSTEM

**BUILDING SIZE & CLIMATE** 

ZONE GROUP (ZONE)

96'x40' GROUP A (1,16)

96'x40' GROUP B (2-5)

96'x40' GROUP C (6-13)

96'x40' GROUP D (14,15)

108'x40' GROUP A (1,16)

108'x40' GROUP B (2-5)

108'x40' GROUP C (6-13)

108'x40' GROUP D (14,15)

120'x40' GROUP A (1,16)

120'x40' GROUP B (2-5)

120'x40' GROUP C (6-13)

120'x40' GROUP D (14,15)

MODEL#

W36HB

MODEL#

50VT-C36---3--TP

50VT-C42---3--TP

50VT-C48---3--TP

50VT-C60---3--TP

MODEL#

25HCE436A003

25HCE442A003

25HCE460A003

ACCEPTANCE TEST TECHNICIAN (ATT).

PROVIDER-PROGRAM/ACCEPTANCE

PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.

# OF HVAC

3½ TON (BARD) 4 TON (SYSTE (SYTEM M AIR) AIR)

ADDITIONAL HVAC NOTES

A LIST OF CERTIFIED ATT'S CAN BE FOUND AT:

UNIT WEIGHT

(LBS)

EER

EER COP

CLIMATE

ZONE(S)

CLIMATE

ZONE(S)

1-16

1-16

1-16

CLIMATE

1-16

1-16

1-16

MAX. CFM

1800

500

515

UNIT WEIGHT

412

432

462

157

185

201

12.0

12.0

12.0

14.5

EER

11.5 | 14.0 |

11.5 14.0

11.5 14.0

14.0

CLIENT PROJ NO: 359500100

**HVAC NOTES** 

HEATING VENTILATING AND AIR CONDITIONING (HVAC) continued

OF RECORD OR THE OWNER'S AGENT.

PROVIDER-PROGRAM/ACCEPTANCE.

CEC 2022 SECTION 110.2(B).

17. A LISTING OF CERTIFIED ATT'S CAN BE FOUND AT:

INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE.

15. THE CALIFORNIA ENERGY CODE 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING

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

CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE

16. LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROL ACCEPTANCE

EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT

HTTPS://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-

THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE

BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF PROJECT INSPECTORS WILL

18. THERMOSTAT SHALL BE PROGRAMMED TO PREVENT SUPPLEMENTARY HEATER OPERATION WHEN THE HEATING LOAD

COMPRESSION HEATING MUST BE HIGHER THAN THE CUT-OFF TEMPERATURE FOR SUPPLEMENTARY HEATING PER

**DESIGN OA** 

CFM

547

365

365

365

3½ TON 4 TON (SYSTE (SYTEM M AIR)

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

CAN BE MET BY THE HEAT PUMP ALONE. THE CUT-ON TEMPERATURE FOR COMPRESSION HEATING MUST BE HIGHER

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

THAN THE CUT-ON TEMPERATURE FOR SUPPLEMENTARY HEATING, AND THE CUT-OFF TEMPERATURE FOR

HVAC NOTES (CONTINUATION)

H2 FAN SYSTEMS

**BUILDING SIZE** 

24'x40'

36'x40'

48'x40'

72'x40'

84'x40'

96'x40'

**BUILDING SIZE & CLIMATE** 

ZONE GROUP (ZONE)

24'x40' GROUP A (1.16)

24'x40' GROUP B (2-5)

24'x40' GROUP C (6-13)

24'x40' GROUP D (14,15)

36'x40' GROUP A (1,16)

36'x40' GROUP B (2-5)

36'x40' GROUP C (6-13)

36'x40' GROUP D (14,15)

48'x40' GROUP A (1,16)

48'x40' GROUP B (2-5)

48'x40' GROUP C (6-13)

48'x40' GROUP D (14,15)

\*\* SECURED w/ 22 GA WIRE @ 16" O.C.

PROJECT COMPLETION. AN ACCEPTANCE TEST IS FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY

**HVAC SCHEDULE** 

3½ TON (BARD) 4 TON (SYSTE (SYTEM M AIR) AIR)

**BUILDING SIZE & CLIMATE** 

ZONE GROUP (ZONE)

60'x40' GROUP A (1.16)

60'x40' GROUP B (2-5)

60'x40' GROUP C (6-13)

60'x40' GROUP D (14,15)

72'x40' GROUP A (1,16)

72'x40' GROUP B (2-5)

72'x40' GROUP C (6-13)

72'x40' GROUP D (14,15)

84'x40' GROUP A (1,16)

84'x40' GROUP B (2-5)

84'x40' GROUP C (6-13)

84'x40' GROUP D (14,15)

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

\*\*\* R-1 MAY BE ACHEIVED w/ POLYSTYRENE OR INSULATION TAPE APLLIED TO THE TOP FLANGE OF PURLINS, TYP.

**HVAC SCHEDULES** 

MANUAL OVERRIDE CONTROLS ARE A MANDATORY MEASURE UNDER ENERGY CODE SECTION 120.2(e).

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.

ALL HVAC SYSTEMS SHALL HAVE A MANUAL OVERRIDE ACCESSIBLE TO THE OCCUPANTS THAT ALLOWS



DATE

3/20/25



HMC Architects

3595001000

2101 CAPITOL AVENUE, SUITE 100 SACRAMENTO, CA 95816

916 368 7990 / www.hmcarchitects.com

DESCRIPTION

A ADDENDUM "A"

**KEYNOTES** 

**GENERAL NOTES** 

TRACY, CA 95376

POET CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE.

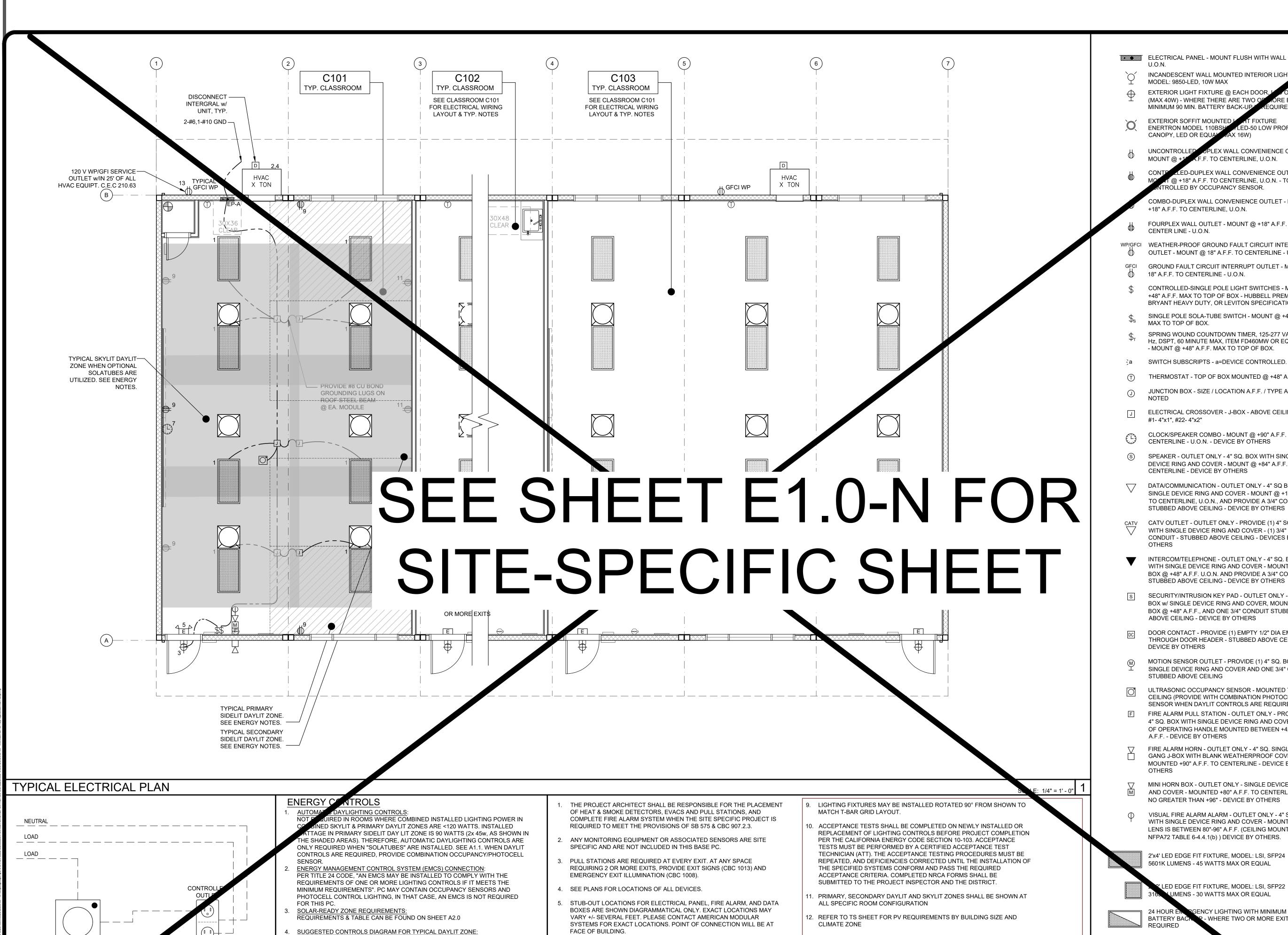
PROJECT:

POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME: TYPICAL ELECTRICAL PLAN

DATE: 04/03/24 CLIENT PROJ NO: 3595001000

ADDENDUM "A"



STUB-UP ALL FIRE ALARM JUNCTION BOXES TO ACCESSIBLE ATTIC

FIRE ALARM CONDUIT WITH ANY OTHER ELECTRICAL CONDUIT.

BY ULTRASONIC OCCUPANCY SENSOR: WATT STOPPER W-500A.

W-1000A, OR W-2000A (OR EQUAL) BASED ON THE ROOM SIZE, IN

FIXTURE MOUNTING SHALL COMPLY WITH CALIFORNIA SEISMIC

CONJUNCTION WITH BI-LEVEL SWITCHING.

REGULATIONS.

SPACE WITH 1/2" MIN. GALV. THIN WALL TUBING (EMT). DO NOT CONNECT

THE LIGHTS FOR EACH ROOM OVER 250 SQ FT SHALL BE CONTROLLED

DEMAND RESPONSE CONTROLS ARE REQUIRED IN BUILDINGS LARGER

DEMAND RESPONSE CONTROLS AND EQUIPMENT SHALL BE CAPABLE OF

CONTROLS MUST INCLUDE THE SUBMITTAL OF FORM NRCC-ELC-O1-E TO

DEMAND RESPONSE CONTROLS, WHERE REQUIRED, ARE TO BE

RESPONSE AFTER RECEIVING A DEMAND SIGNAL.

RECEIVING AND AUTOMATICALLY RESPONDING TO AT LEAST ONE

SITE-SPECIFIC PROJECTS WHICH REQUIRE DEMAND RESPONSE

STANDARD-BASED MESSAGING PROTOCOL WHICH ENABLES DEMAND

THAN 10,000 S.F.

DSA (BY OTHERS).

**GENERAL NOTES** 

PROVIDED BY OTHERS.

PROGRAMMABLE SWITCH

- OCCUPANCY SENSOR

- PHOTOCELL SENSOR

NOTE: ANT MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE SPECIFIC

**ENERGY NOTES** 

ULTRASONIC CEILING

COMBINATION

SENSOR

S, LOBBY, AND

OCCUPANCY SENSOR OR

OCCUPANCY/PHOTOC

REQUIRED FOR

MEETING RO

UNCONTROLLED

OUTLET

TO ROOM

AND ARE NOT INCLUDED IN THE BASE PC.

- ROOM CONTROL (0-10V DIMMING)

ELECTRICAL PANEL - MOUNT FLUSH WITH WALL FINISH INCANDESCENT WALL MOUNTED INTERIOR LIGHT MODEL: 9850-LED, 10W MAX EXTERIOR LIGHT FIXTURE @ EACH DOOR (MAX 40W) - WHERE THERE ARE TWO Q MINIMUM 90 MIN. BATTERY BACK-UP EXTERIOR SOFFIT MOUNTED ENERTRON MODEL 110BS ED-50 LOW PROFILE CANOPY, LED OR EQU PLEX WALL CONVENIENCE OUTLET -MOUNT @ +1 F.F. TO CENTERLINE, U.O.N. ED-DUPLEX WALL CONVENIENCE OUTLET @ +18" A.F.F. TO CENTERLINE, U.O.N. - TO BE **American Modular Systems** TROLLED BY OCCUPANCY SENSOR. 787 Spreckels Ave., Manteca, CA 95336 COMBO-DUPLEX WALL CONVENIENCE OUTLET - MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N. Phone (209) 825-1921 Fax (209) 825-7018 www.americanmodular.com FOURPLEX WALL OUTLET - MOUNT @ +18" A.F.F. TO CENTER LINE - U.O.N. INTELLECTUAL-PROPERTY & PROPRIETARY RIGHTS STATEMEN WP/GFCI WEATHER-PROOF GROUND FAULT CIRCUIT INTERRUPT COPYRIGHT © AMERICAN MODULAR SYSTEMS (AMS) MS OWNS ALL COPYRIGHT AND OTHER INTELLECTUAL-PROPERTY AND PROPRIETA OUTLET - MOUNT @ 18" A.F.F. TO CENTERLINE - U.O.N. HTS IN THESE DRAWINGS, SPECIFICATIONS, AND THE MATERIAL CONTAINED I RTAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEMA GECI GROUND FAULT CIRCUIT INTERRUPT OUTLET - MOUNT @ MS. ALL PATENTABLE MATERIALS CONTAINED IN THESE DOCUMENTS AND ORIGI I AMS WILL REMAIN THE SOLE PROPERTY OF AMS. THESE DRAWING, SPECIFICA 18" A.F.F. TO CENTERLINE - U.O.N. AND THE MATERIAL CONTAINED HEREIN MAY NOT BE REPRODUCED, TRANSMITTE COPIED, DISTRIBUTED, MODIFIED, OR OTHERWISE DISPOSED OF (DIRECTLY OR INDIRECTLY) AND MAY NOT BE USED (IN WHOLE OR IN PART) TO ASSIST IN THE DNSTRUCTION, DESIGN, OR OTHER MAKING OF, OR FOR THE PURPOSE OF FURNISH CONTROLLED-SINGLE POLE LIGHT SWITCHES - MOUNT @ +48" A.F.F. MAX TO TOP OF BOX - HUBBELL PREMIUM. APPARATUS, OR PARTS THEREOF, EXCEPT AS EXPRESSLY PERMITTED BY WRITTE NSENT OF, OR IN A WRITTEN AGREEMENT WITH, AMS. SUBMITTAL OR DISTRIBUTIO BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE. ET OFFICIAL REGULATORY REQUIREMENTS WILL NOT BE CONSTRUED AS PUBLICA IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OR SINGLE POLE SOLA-TUBE SWITCH - MOUNT @ +48" A.F.F. PROPRIETARY RIGHTS. MAX TO TOP OF BOX. SPRING WOUND COUNTDOWN TIMER, 125-277 VAC, 50/60 RE-CHECKED SET NAME Hz, DSPT, 60 MINUTE MAX, ITEM FD460MW OR EQUAL. 24' x 40' THRU 120' x 40' - MOUNT @ +48" A.F.F. MAX TO TOP OF BOX. STANDARD MODULAR BUILDING SWITCH SUBSCRIPTS - a=DEVICE CONTROLLED. (LOW SEISMIC) THERMOSTAT - TOP OF BOX MOUNTED @ +48" A.F.F. JUNCTION BOX - SIZE / LOCATION A.F.F. / TYPE AS ELECTRICAL CROSSOVER - J-BOX - ABOVE CEILING -#1- 4"x1", #22- 4"x2" SITE SPECIFIC PROJECT NAME CLOCK/SPEAKER COMBO - MOUNT @ +90" A.F.F. TO CENTERLINE - U.O.N. - DEVICE BY OTHERS SPEAKER - OUTLET ONLY - 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER - MOUNT @ +84" A.F.F. TO CENTERLINE - DEVICE BY OTHERS 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 CATV OUTLET - OUTLET ONLY - PROVIDE (1) 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER - (1) 3/4" DIA CONDUIT - STUBBED ABOVE CEILING - DEVICES BY INTERCOM/TELEPHONE - OUTLET ONLY - 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER - MOUNT TOP OF BOX @ +48" A.F.F. U.O.N. AND PROVIDE A 3/4" CONDUIT STUBBED ABOVE CEILING - DEVICE BY OTHERS SECURITY/INTRUSION KEY PAD - OUTLET ONLY - 4" SQ. BOX w/ SINGLE DEVICE RING AND COVER, MOUNT TOP OF BOX @ +48" A.F.F., AND ONE 3/4" CONDUIT STUBBED ABOVE CEILING - DEVICE BY OTHERS DOOR CONTACT - PROVIDE (1) EMPTY 1/2" DIA EMT THROUGH DOOR HEADER - STUBBED ABOVE CEILING -DEVICE BY OTHERS MOTION SENSOR OUTLET - PROVIDE (1) 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER AND ONE 3/4" CONDUIT STUBBED ABOVE CEILING ULTRASONIC OCCUPANCY SENSOR - MOUNTED TO FINISH CEILING (PROVIDE WITH COMBINATION PHOTOCELL SENSOR WHEN DAYLIT CONTROLS ARE REQUIRED) FIRE ALARM PULL STATION - OUTLET ONLY - PROVIDE (1) 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER - TOP

DIV. OF THE STATE ARCHITECT APP: 04-122050 PC SS D FLS D ACS D CG D 2022 CBC PRE-CHECK (PC) DOCUMENT MANUFACTURER PROFESSIONAL OF RECORD ON PC

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AA

AS NOTED

MM/DD/YY

**TYPICAL** 

ELECTRICAL PLAN

XXXX-22

WITH SINGLE DEVICE RING AND COVER - MOUNT SO THAT LENS IS BETWEEN 80"-96" A.F.F. (CEILING MOUNT PER

LED EDGE FIT FIXTURE, MODEL: LSI, SFP22 LUMENS - 30 WATTS MAX OR EQUAL

R - WHERE TWO OR MORE EXITS ARE BATTERY BAC REQUIRED EMERGENCY EXIT LIGHT WILLS THE INTEGRAL EMERGENCY
MORE EXITS, AN EXIT SIGN TH INTEGRAL EMERGENCY EMERGENCY EXIT LIGH N WHERE THERE ARE TWO OR LIGHTING W/MINIMUM 90-MINUN SATTERY BACK-UP IS

24 HOUR EM REENCY LIGHTING WITH MINIMUM 90-MINUTE

OF OPERATING HANDLE MOUNTED BETWEEN +42" TO +48"

FIRE ALARM HORN - OUTLET ONLY - 4" SQ. SINGLE GANG J-BOX WITH BLANK WEATHERPROOF COVER -MOUNTED +90" A.F.F. TO CENTERLINE - DEVICE BY

NO GREATER THAN +96" - DEVICE BY OTHERS

NFPA72 TABLE 6-4.4.1(b) ) DEVICE BY OTHERS.

MINI HORN BOX - OUTLET ONLY - SINGLE DEVICE RING

AND COVER - MOUNTED +80" A.F.F. TO CENTERLINE BUT

VISUAL FIRE ALARM ALARM - OUTLET ONLY - 4" SQ. BOX

A.F.F. - DEVICE BY OTHERS

REQUIRED. ILLUMINATED EXIT LIGHT, - WHERE THE E MORE EXITS

EXTERIOR SOFFIT MOUNTED LIGHTING PER MODE WITH EMERGENCY 90 MIN. MINIMUM BATTERY BACK-UP, PROVIDE (1) BY THE STAIR

STANDARD ELECTRICAL SYMBOLS

RAWN BY:

PROJECT NO:

SHEET TITLE:

SHEET NUMBER:

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-122977 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

DATE

3/20/25



**HMC Architects** 

3595001000

2101 CAPITOL AVENUE, SUITE 100 SACRAMENTO, CA 95816

916 368 7990 / www.hmcarchitects.com

DESCRIPTION

A ADDENDUM "A"

**KEYNOTES** 

**GENERAL NOTES** 

2022 CBC PRE-CHECK (PC) DOCUMENT MANUFACTURER PROFESSIONAL OF RECORD ON PC

APPROVED DIV. OF THE STATE ARCHITECT

SS 🛛 FLS 🗹 ACS 🖳 CG 🗹

APP: 04-122050 PC

787 Spreckels Ave., Manteca, CA 95336

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BUILDINGS (MODULAR OR OTHERWISE), DRAWINGS, SPECIFICATIONS, PRINTS,

IN DEROGATION OF AMS'S COPYRIGHT OR OTHER INTELLECTUAL-PROPERTY OF

24' x 40' THRU 120' x 40'

STANDARD MODULAR BUILDING

PRE-CHECKED SET NAME

SITE SPECIFIC PROJECT NAME

TAIN ELEMENTS SHOWN IN THESE DOCUMENTS ARE REGISTERED TRADEM

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION

AND LOCKED IN PLACE BY TWO LOCKING DEVICES. THE LENS DIFFUSERS SHALL BE KHS, INC. #KSH-2, CAROLITE, INC. #C-12 OR PLASKOLITE, INC. #PL21A. MINIMUM DRAWN BY: AA

SCENT BALLAST SHALL BE ENERGY SAVER WHILE MAINTAINING FULL LIGHT ASS "P" EQUIPPED WITH THERMAL PROTECTORS, GUARANTEED NRE FOR (2) YEARS AND BE REPLACEABLE FROM INSIDE THE

CLOCK - 12" DIAL CL ON CLOCK OUTLET.

SHALL BE COPPER OR ALUMINUM.

A. CLOCK SHALL BE CALERAL ELECTRIC MODEL 2912 129V 60 CYCLE B. CLOCK OUTLET SHALL EBRYANT #2828 OR EQUAL WITH SEPARABLE HANGING CLIP & APP'D R. SPT. THE H.V.A.C. UNIT FEEDER CIRCUIT - PANEL CIRCUIT BREAKER, FEEDER WITE, UNIT DISCONNECT AND FUSES (WHERE USED) - IS TO BE COORDINATED THE NAME PLATE DATA AT THE TIME OF MANUFACTURE. H.V.A.C. UNITS H. YING KVA RATINGS LARGER THAN THAT INDICATED ON THIS PANEL SCHEDULE VIL NOT BE ALLOWED TO BE

**GENERAL NOTES** 

THE ALARM SYSTEM SHALL ACTIVATE A MEANS OF WARNING THE HEARING IMPAIRED.

FLASHES PER SECOND (2 HZ), NOR BE LESS THAN ONE FLASH EVERY SECOND (1 HZ).

FLASHING VISUAL WARNINGS SHALL HAVE A FLASH RATE NOT EXCEEDING TWO

STROBE SIGNALING DEVICES FOR THE HEARING IMPAIRED SHALL BE STATE FIRE

AUTOMATIC FIRE ALARM SYSTEM SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA

72 CHAPTER 26. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX OR UUJS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF

FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. SUPERVISION OF SYSTEM

RESULTS DETERMINE FIRE ALARM AUDIBILITY DOES NOT MEET 15db OVER AMBIENT

NOISE LEVELS, ADDITIONAL FIRE ALARM SIGNALING DEVICES MAY BE REQUIRED BY

AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY OWNER. IF TESTING

SEE SHEET M1.0 FOR ALL

NOTES.

GROUNDING ELECTRODE CONDUCTOR SIZED PER CEC.

PROVIDE BONDS TO BLDG. STEEL & PANEL (#8 CU)

3. PANEL TO LISTED FOR USE AS SERVICE EQUIPMENT.

ASCE 24-14, SECTION 7.2.

PROVIDED BY OTHERS.

**FIXTURE NOTES:** 

BRACING AND ANCHORAGE

ALL PANELS, SWITCHES, DISCONNECTS, BREAKERS, METERS, AND OTHER

PROVIDE SUFFICIENT LENGTH OF CONDUIT TO PERMIT DIFFERENTIAL

ELECTRICAL ELEMENTS SHALL BE PLACED ABOVE THE ELEVATION REQUIRED BY

WHERE FLEXIBLE CONDUIT IS PASSING BETWEEN BUILDING SEPARATION JOINTS,

DISPLACEMENTS BETWEEN BUILDINGS IN COMPLIANCE WITH ASCE 7 SECTION

ALL FLUORESCENT LIGHT FIXTURES SHALL HAVE ENERGY SAVING LAMPS AND

LUMINARIES/BALLASTS SHALL BE CERTIFIED PER CALIFORNIA BUILDING CODE,

ELECTRICAL SERVICE DROP AND CONNECTIONS SUPPLIED BY OTHERS.

MANUFACTURER TO PROVIDE STUB-OUT FROM BACK OF ELECTRICAL PANEL THROUGH THE EXTERIOR WALL OR TO BELOW FLOOR FOR RECEIVING EITHER

UNDERGROUND OR OVERHEAD SERVICE & FITTING FOR GROUNDING CABLE.

ELECTRICAL PANEL BOARD SHALL BE RECESS MOUNTED INSIDE THE BUILDING, SIZED TO ACCOMMODATE ALL CONNECTED LOADS INCLUDING SPACES AS SHOWN.

2X4 FLUORESCENT FIXTURES SHALL HAVE A STEEL FRAME, LENS SHALL BE HINGED

OVERCURRENT PROTECTIVE DEVICES IN THE PANEL BOARDS SHALL HAVE ADEQUATE SHORT CIRCUIT INTERRUPTING CAPACITY. ALL BUSES INCLUDING BUS

SWITCH (SB) SHALL CONTROL THE TWO INNER LAMPS.

FLUORESCENT LIGHT FIXTURE TYPE "A" SHALL BE CONTROLLED TO PROVIDE TWO

LEVELS OF LIGHTING. SWITCH (SA) SHALL CONTROL THE TWO OUTER LAMPS AND

13.6.9 & DSA IR PC-2 SECTION 1.18. ADDITIONAL CONDUIT & JOINT DETAIL SHALL BE

MARSHALL APPROVED AND LISTED (NFPA 72, SEC. 18.5.3).

THE ENFORCING AGENCY.

INSTALLED ON THIS BUILDING. LATION, CALCULATIONS IF 60 DEGREES WIRE IS TO BE USED IN THIS IN DEMONSTRATING AMPACITY SHALL BE PROVIDED

UNLESS STAMPED & SIGNED BY THE DESIGN PROFESSIONAL OF RECORD

AS NOTED MM/DD/YY PROJECT NO: XXXX-22

**ELECTRICAL NOTES &** 

**DETAILS** 

SHEET NUMBER:

E1.2

POET CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE.

TRACY, CA 95376

PROJECT: POET CHRISTIAN ES - TK CLASSROOM

SHEET NAME: **ELECTRICAL NOTES & DETAILS** 

DATE: 04/03/24 CLIENT PROJ NO: 359500100

ADDENDUM "A"

(4) GROUND RING. A GROUND RING ENCIRELING THE BUILDING OR STRUCTURE, IN DIRECT CONTACT WITH SEE SHEET E1.2-N FOR SITE-SPECIFIC SHEET

(0) OTHER LOCAL METAL UNDERGROUND TO STRUCTURES. OTHER LOCAL METAL UNDERGROUND METAL SYSTEMS OR STRUCTURES SUCH AS AND SYSTEMS, UNDERGROUND TANKS, AND UNDERGROUND METAL TO A METAL WATER PIPE WELL CASINGS THAT ARE NOT BO GROUNDING ELECTRODES ND MATERIALS SHALL NOT BE USED AS GROUNDING ELECTRODES: THE FOLLOWING SYSTEM UND GAS PIPING SYSTEMS URES AND STRUCTURAL REINFORCING STEEL D IN 680.26(B)(1) AND (B)(2) ATIONAL NOTE: .104(B) FOR BONDING REQUIREMENTS OF GAS PIPING

1) ONE OR MORE BARE OR ZINC GALVANIZED OR OTHER ELECTRICALLY CONDUCTIVE COATED STEEL

CONTINUOUS 6.0 M (20 FT) LENGTH, OR IF IN MULTIPLE PIECES CONNECTED TOGETHER BY THE USUAL STEEL

COMPONENTS SHALL BE ENCASED BY AT LEAST 50 MM (2 IN.) OF CONCRETE AND SHALL BE

SEPARATING THE CONCRETE A M THE EARTH IS NOT CONSIDERED TO BE IN "DIRECT CONTACT" WITH THE

RIZONTALLY WITHIN THAT PORTION OF A CONCRETE FOUNDATION OR FOOTING THAT IS IN

WITH THE EARTH OR WITHIN VERTICAL FOUNDATIONS OR STRUCTURAL COMPONENTS OR

LILDING OR STRUCTURE, IT SHALL BE PERMISSIBLE TO BOND ONLY ONE INTO THE

RE IN DIRECT CONTACT WITH THE EARTH. IF MULTIPLE CONCRETE-ENCASED ELECTRODES

ETE INSTALLED WITH INSULATION, VAPOR BARRIERS, FILMS OR SIMILAR ITEMS

TIE WIRES, EXOTHERMIC WELDING, WELDING, OR OTHER EFFECTIVE MEANS TO CREATE A 6.0 M (20 FT) OR

REINFORCING BARS OR RODS OF NOT LESS THAN 13 MM (1/2 IN.) IN DIAMETER, INSTALLED IN ONE

ARE COPPER CONDUCTOR NOT SMALLER THAN 4 AWG

GREATER LENGTH; OR

ARE PRESENT AT

NOT USED

GROUNDING ELECT

SIZE OF CONDUCTORS SHALL COMPLY w/CEC.A

SEPARATE CONDUCTORS FROM GROUND ROD TO AL PANEL & METAL BUILDING FRAME (CEC). TO THE DETAIL SHOWN ABOVE, BOND THE

EXCEEDS 25 OHMS, INST AL ADDITIONAL GROUND RODS (CEC) AS REQUIRED. GROUNDING AL PER DSA IR E-1.

C.E.C.

SCALE: 1-1/2" = 1' - 0"

ROUND TO METAL WATER PIPE EMBEDDED AT HE SOIL IF AVAILABLE (CEC).

3. ELECTRICAL BOND IN QULES TOGETHER W/#8 CU @ MODLINE. BY MANUFACTURER. CHECK RESISTANCE TO GROUND. IF RESISTANCE INSPECTOR TO WITNESS GROU

ELECTRICAL PANEL CONNECTION DETAIL - UNDERFLOOR OPTION

PANEL: A VOLTS: BUSS: LOCATION: FEED: MOUNTING: BOTTOM INTERIOR SURFACE 100 \* CKT|WIRE OBJECT OBJECT BRKPOLE SIZE NO A B NO SIZE POLEBRK LCL OF PER DESCRIPTION **DESCRIPTION** #12 1 X 2 #6 1 60 5760 x / 5760 4 TONA/CHVACUNIT INT. LIGHTS-LED BLANK/SPARE #6 *5760* x / 5760 4 TONA/CHVACUNIT EXT. LIGHTS *75* 75 | 1 | x | F.A.C.P. FUTURE SOLAR ELEC 180 BLANK/SPARE TROLLED BLANK/SPARE 180 LEG TOTALS 575 360 *5760* | *5760* | LEG TOTALS CL=3113.75+12455=15568.75 LEG BALANCE = 1.7% TOTAL WATTS=15568.75 TOTAL AMPS: 64.87

LOAD PANEL CALCULATIONS

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

P1.0
ADDENDUM "A"

3/4" PRESSURE & TE

RELIEF VALVE, RUN DISCHARGE

STRAP WATER HEATER—

(2) STRAPS TOTAL

ELECTRIC WH

HEATER 1

TANK DRAIN -VALVE

FLOOR DRAIN FLU

ALCOVE OR

WING WALLS BY OWNER

MATCH DEPTH

HI-LO DRINKING FOUNTAIN

DIM 'A' DIM 'B' DIM 'C' DIM 'D'

17" 8" 11" 17"

18" 9" 12" 18"

29" MIN CLR AT-

CLEAR AREA

REQUIRED

LAVATORY & ACCESSORIES

FRONT EDGE DOES

ADDITIONAL DEPTH

MUST PROVIDE FULL

KNEE CLEARANCE

THERE SHALL BE NO SHARP

. DIMENSION LETTERS REFER

OR ABRASIVE EDGES IN

CLEARANCES

PROXIMITY TO REQUIRED

O TABLE IN DETAIL 10/-

NOT APPLY TO SINKS

OF FOUNTAINS

FINISH FLO

EXCEED 1/4"

FIN FLOOR

TRAP PRIMER DETAIL

**OPENINGS SHALL NO** 

TO WALL PER DETAIL

TO MS-1.

— 1 $\frac{1}{8}$ " PLYWOOD PLATFOR

ANGLE)

<u>A - PLAN VEIW</u>

ATTACHMENT TO WOOD STUD WALL

INSULATE WATER SUPPLY AND DRAIN PIPING

OR "TRUEBRO® SOFT GUARD PLUS" SHIELDS

REFERANCE DETAIL 8 AND/OR 17 (AS APPLIES)

THERE SHALL BE NO

SHARP OR ABRASIVE

EDGES IN PROXIMITY TO

REQUIRED CLEARANCES

-3/4" BALL VALVE

DIELECTRIC UNION

NOTE: SEE 6/M1.4 FOR FLOOR MOUNT

WATER HEATER SUPPORT DETAIL NOT TO SCALE

DRINKING FOUNTAINS SHALL BE LOCATED COMPLETELY WITHIN ALCOVES, BETWEEN

/E 30"X48" CLEAR FLOOR SPACE, WITH KNEE AND TOE

SIDE VIEW

VARD APPROACH MIN. 17" UNDER AND CENTERED ON

VING WALLS, OR OTHERWISE POSITIONED SO AS NOT TO ENCROACH INTO PEDESTRIAN

HEATER SUPPORT

- CW PIPE IN WALL

SEAL WATERTIGHT

WAYS (PER C.B.C. SECTION 11B-602.9), AND SHALL BE ACCESSIBLE PER 11B-206.5, SHALL BE 3. ALL EXTERIOR SURFACES TO BE PLASTIC LAMINATE.

VI PER DETAIL 3/-

(PLATFORM RESTS ON

TYPICAL

FRAMING

ADDITIONAL SCREWS-

TYP SCREWS WHEN

**INSTALLED OVER 1"** 

ATTACH TO (2) 2x FLAT PER 3/S8.1 INTERNAILED w/ 0.131"Øx3" NAILS @ 12" O.C.

MAY BE ATTACHED TO EXTERIOR WALL OR INTERIOR PARTITION WALL

WATER HEATER PLATFORM DETAIL

AT ACCESSIBLE SINKS OR LAVS WITH "TRUEBRO® LAV GUARD 2"

IWH SHALL NOT BE LOCATED IN THE REQUIRED TOE CLEARANCE.

NOT TO SCALE 6 INSTANT WATER HEATER DETAIL NOT TO SCALE 7

MODIFY BASE AS SHOWN FOR ADULT WHEELCHAIR ACCESS.

THERE SHALL BE NO SHARP OR ABRASIVE SURFACES BELOW COUNTER

30x48 CLEAR FLOOR -

SPACE (MIN 19" DEEP)

CABINET IS FOR ADULT USE ONLY.

**OPENING FOR SINK-**

(WHERE OCCURS)

SEE DETAIL 8/-

CABINET IS OPEN TO -

FINISH FLOOR WITH

NOT TO SCALE 11 ACCESSIBLE CABINET DETAIL

NO SHELVES

Lyziga

FRONT VIEW

CABINET SIDES —

CABINET DOORS ARE NOT ALLOWED @ SINKS.

STAGGERED w/ (3) 1/4 "Ø MIN. x4" LAG SCREWS EACH SIDE (3" MIN. PENETRATION INTO

MAX RIGID WALL

INSULATION

- FAUCET SHALL BE FLOW

RESTRICTED TO MATCH

FLOW CONTROL

 $\frac{1}{2}$ " Copper Tubing

INSTANT WATER HEATER

-UNDER COUNTER

SCALE: 1/2" = 1'-0" 17 ALTERNATE GRAB BAR SHIFT DETAIL

MOUNT ON WALL, SEE

**EQUIPMENT SCHEDULE** 

INSULATE WATER SUPPLY AND DRAIN

PIPING AT ACCESSIBLE LAVATORIES

WITH "TRUEBRO® LAV GUARD 2" OR

"TRUEBRO® SOFT GUARD PLUS"

**CHARACTERISTICS: ASTM E84** 

FLAME SPREAD 25 & SMOKE

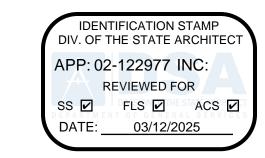
SHIELDS - BURNING

DEVELOPMENT 450

ANGLE VALVE

CENTERED BETWEEN

TYPICAL FRAMING



DATE

3/20/25



HMC Architects

3595001000

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

DESCRIPTION A ADDENDUM "A"

**KEYNOTES** 

**GENERAL NOTES** 

**TRACY, CA 95376** 

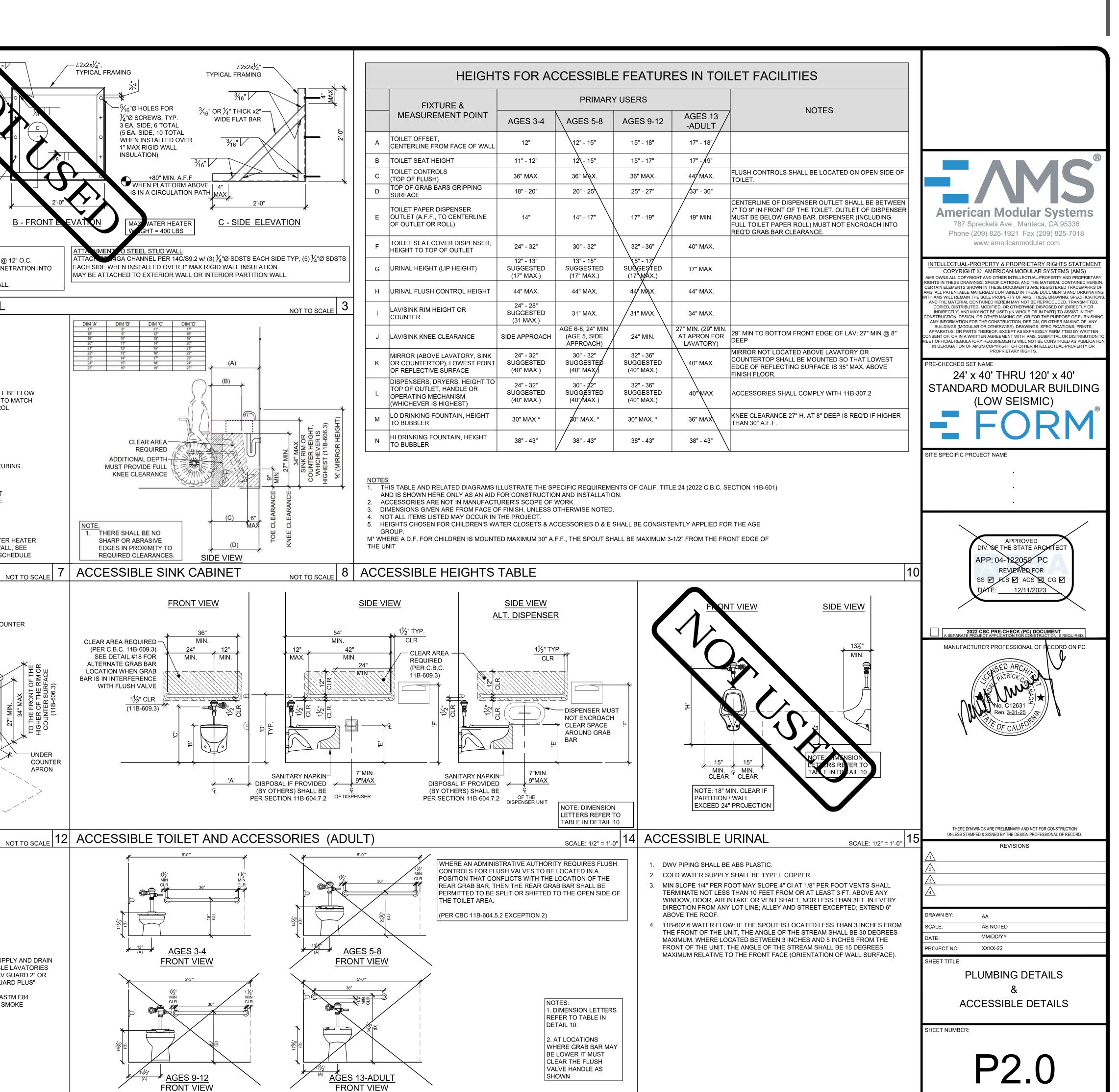
POET CHRISTIAN ELEMENTARY SCHOOL 1701 S CENTRAL AVE.

PROJECT:

POET CHRISTIAN ES - TK CLASSROOM

PLUMBING DETAILS & ACCESSIBLE DETAILS

CLIENT PROJ NO: 3595001000 DATE: 04/03/24



SCALE: 1/2" = 1'-0" 18 PLUMBING NOTES

PLEASE RECYCLE &

ADDENDUM "A"

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

ADDENDUM "A"