TEMPORARY RESTROOM PORTABLE

PITTSBURG ADULT EDUCATION CENTER

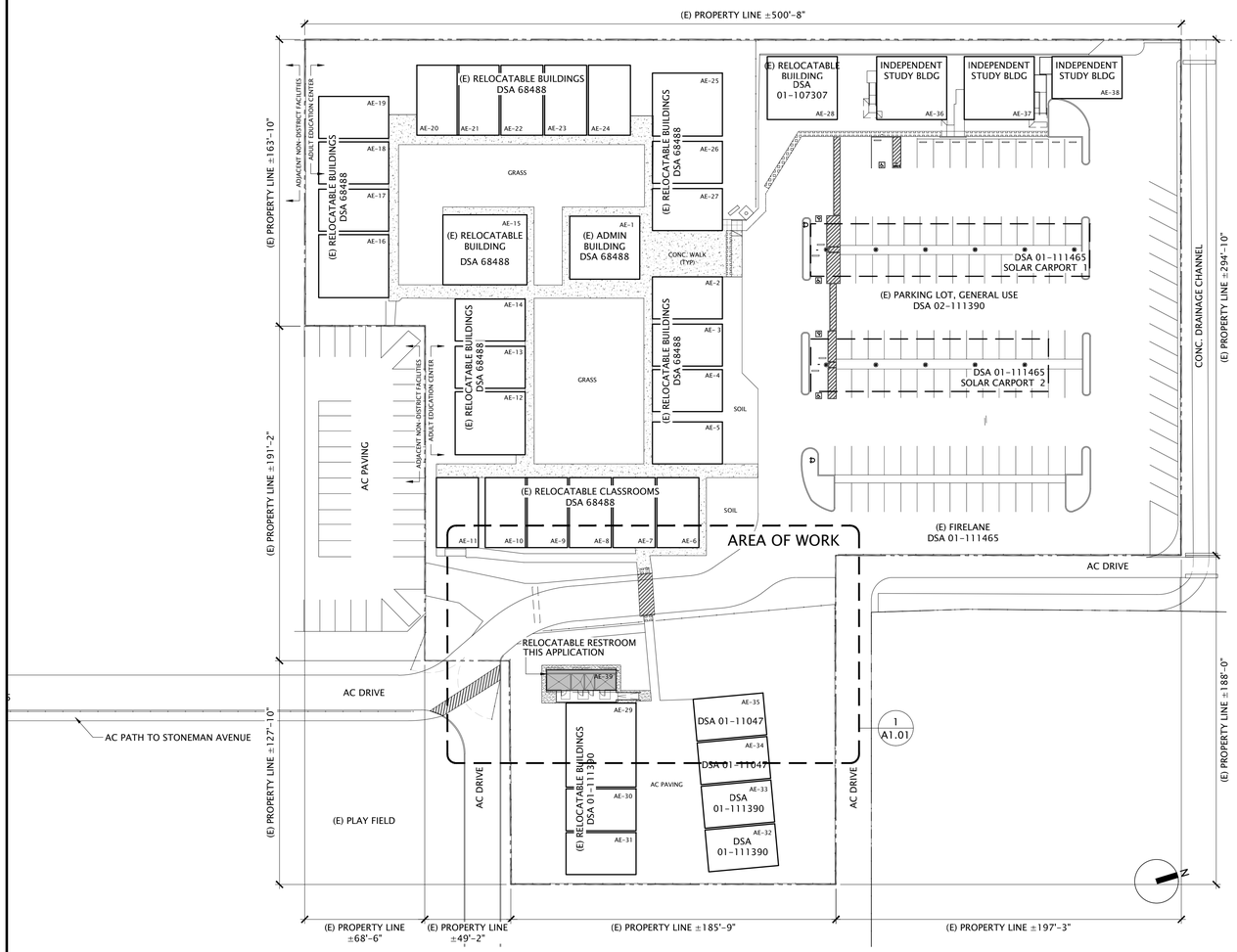
PITTSBURG UNIFIED SCHOOL DISTRICT, PTN 24-001
1151 STONEMAN AVENUE, PITTSBURG, CA 94565

DSA PTN: 61788-120
PAGE COUNT: 47 SHEETS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-121299 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 2/13/2024

KEY PLAN & SITE MAP

SCALE: 1"=50'-0"



PROJECT SCOPE OF WORK

THE WORK OF THIS CONTRACT AT THE PITTSBURG ADULT EDUCATION CENTER CONSISTS OF:

1. CONSTRUCTION OF (1) NEW 480 S.F. TEMPORARY RESTROOM RELOCATABLE BUILDING IN A NON-WUI ZONE;
2. MISCELLANEOUS SITE IMPROVEMENTS FOR THE INSTALLATION OF THE PROPOSED TEMPORARY RELOCATABLE, INCLUDING:
   - RECONFIGURATION & REPLACEMENT OF SITE FENCING AND PEDESTRIAN ACCESS GATES
   - EXTENSION OF EXISTING ASPHALT PAVING TO AREA OF WORK
   - PROVISION OF SITE EMERGENCY EGRESS LIGHTING
   - RECONFIGURATION OF EXISTING UTILITIES AS NECESSARY

CERTIFICATION OF THIS PROJECT UNDER DSA APPL. NO. 01-121299 IS CONTINGENT UPON THE CERTIFICATION OF THE PROJECT UNDER DSA APPL. NO. 01-120174

THE PATH OF TRAVEL APPROVED UNDER DSA APPLICATION 01-120174 IS SERVING THE AREA OF WORK IN THIS PROJECT.

DEFERRED APPROVALS

(NONE)

TESTING COMPLIANCE

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

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

MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.

ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT.

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

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

STATEMENT OF GENERAL CONFORMANCE

FOR ARCHITECTS WHO UTILIZE PLANS, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS (APPLICATION NO. 01-121299, FILE NO. 7-H6)

THE DRAWINGS OR SHEETS INDICATED WITH AN ASTERISK (*) HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR:

1. DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND
2. COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.

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 ANDS SECTIONS 4-336, 4-341 AND 4-344" OF TITLE 24, PART 1. (TITLE 24, PART 1, SECTION 4-317 [B])

1/19/2024
ROBERTA WAHL LICENSE C28322 (EXP. 6/30/25)

DRAWING INDEX

TITLE SHEETS

T1	TITLE SHEET
T2	GENERAL NOTES & ABBREVIATIONS
T3	ACCESSIBILITY SITE PLAN

CIVIL

*C0.01	TITLE SHEET
*C0.02	GRADING SPECIFICATIONS
*C2.01	GRADING & DRAINAGE PLAN
*C3.01	DETAILS

ARCHITECTURAL

A1.01	ENLARGED SITE PLAN
A1.02	SITE DETAILS

MECHANICAL

*M-0.1	MECHANICAL GENERAL NOTES AND SCHEDULES
*M-2.0	MECHANICAL PLAN - RESTROOM PORTABLE

PLUMBING

*P-0.1	PLUMBING GENERAL NOTES AND SCHEDULES
*P-2.0	PLUMBING PLAN - RESTROOM PORTABLE

ELECTRICAL

*E0.01	SYMBOLS LIST, GENERAL NOTES & LIST OF DRAWINGS
*E1.01	SITE PLAN - ELECTRICAL
*E7.01	DETAILS

FIRE ALARM

*FE0.01	FIRE ALARM EQUIPMENT LIST, NOTES & DETAILS
*FE1.01	SITE PLAN - FIRE ALARM

PC SET DSA 02-121411 PC, FILE NO. PC-012
STEEL ORDINARY MOMENT RESISTING FRAME MODULAR BUILDING
12'x40' RESTROOM

SITE SPECIFIC SHEETS

*A0	COVER SHEET, BUILDING CODES & C.B.C. DATA, SHEET INDEX
*A.1	RESTROOM FLOOR PLAN, ROOF PLAN, INTERIOR & EXTERIOR ELEVATIONS
*A2.1	REFLECTED CEILING PLAN, ELECTRICAL PLAN, ELECTRICAL PANEL SCHEDULE & LIGHTING PLAN
*P1	PLUMBING PLANS

ARCHITECTURAL

*A0.1	GENERAL NOTES, TEST & INSPECTION GUIDELINE
*A1N	MATERIAL SPECIFICATIONS & NOTES
*A1A.1	ADULT, FLOOR PLAN, INTERIOR ELEVATIONS
*A1E.2	BOYS/STAFF/GIRLS RESTROOM - BIPITCHED ROOF PLAN & EXTERIOR ELEVATIONS
*A1R	ROOFING ATTACHMENT
*A2	REFLECTED CEILING PLANS & CEILING ATTACHMENT DETAILS
*AGB	GREEN BUILDING STANDARDS & SOLAR READY REQUIREMENTS
*EN1	ENERGY COMPLIANCE
*EN2	ENERGY COMPLIANCE
*EN3	ENERGY COMPLIANCE
*EN4	ENERGY COMPLIANCE
*EN5	ENERGY COMPLIANCE
*A3	ELECTRICAL POWER PLAN, SIGNAL PLAN, LIGHTING PLAN DETAILS, ELECTRICAL NOTES
*A3.1	LIGHTING NOTES & DIAGRAMS
*A4	SECTIONS & DETAILS WITHOUT OVERHANG 2X4 EXTERIOR WALLS (NON-RATED)
*A4H	INTERIOR WALL CONNECTION DETAILS
*A5	MISCELLANEOUS DETAILS

STRUCTURAL

*S1W65	65 P.S.F. WOOD FOUNDATION PLAN, PIER DETAILS, NOTES
*S2	BI-PITCH ROOF, CEILING, FLOOR FRAMING PLANS, STRUCTURAL STEEL PROPERTIES, NOTES
*S3FA	FASTENING SCHEDULE & NOTES
*S3	BI-PITCHED ROOF LONGITUDINAL BUILDING SECTION, WALL FRAMING ELEVATIONS, END FRAME ELEVATION
*S4	STRUCTURAL CONNECTION DETAILS
*S4.1	OPTIONAL STRUCTURAL DETAILS
*S4.2	MISCELLANEOUS STRUCTURAL DETAILS
*S5R	ACCESSIBLE RAMP & PLATFORM DETAILS

PROJECT TEAM

OWNER	PITTSBURG UNIFIED SCHOOL DISTRICT 2000 RAILROAD AVE PITTSBURG, CA 94565 925-473-2300	MECHANICAL ENGINEER	MHC ENGINEERS, INC 150 8TH STREET SAN FRANCISCO, CA 94103 415-512-7141
ARCHITECT	PLUM ARCHITECTS 936 CLEMENT STREET SAN FRANCISCO, CA 94118 415-837-0900 CONTACT: ROBERTA WAHL LICENSE: C28322	ELECTRICAL ENGINEER	O'MAHONY & MYER 4340 REDWOOD HIGHWAY, #245 SAN RAFAEL, CA 94903 415-492-0420
		CIVIL ENGINEER	CLARK CIVIL ENGINEERING P.O.BOX 131 POINT REYES, CA 94956 510-715-6018

PLUM architects
936 Clement St, San Francisco CA 94118
TEL: 415-837-0900

LICENSED ARCHITECT
ROBERTA ANN WAHL
C28322
Ren.06-30-25
STATE OF CALIFORNIA

Revisions	
DSA REGISTRATION	09/27/23
DSA OTC SUBMITTAL	01/19/24
DSA OTC BACKCHECK	01/30/24

Project 2314

Pittsburg Adult School: ESL Restroom Relocatable

1151 Stoneman Avenue
Pittsburg, CA 94565
Pittsburg Unified School District

Sheet

TITLE SHEET

T1

Date
January 30, 2024

ABBREVIATIONS

&	AND
∠	ANGLE
@	AT
℄	CENTERLINE
∅	DIAMETER or ROUNDED
#	POUND or NUMBER
d	PENNY
A.A.C.	ADHESIVE-APPLIED
	ACOUSTIC TILE
A.B.	ANCHOR BOLT
ABV.	ABOVE
AC	ASPHALT CONCRETE
ACCS.	ACCESS or ACCESSIBLE
ACOUS.	ACOUSTIC
ACT	ACOUSTICAL TILE
A.D.	AREA DRAIN
A.D.A.	AMERICANS W/ DISABILITIES
	ACT
ADDN.	ADDITION
ADH.	ADHESIVE
ADJ.	ADJUST or ADJUSTABLE
A.F.F.	ABOVE FINISHED FLOOR
AGGR.	AGGREGATE
AL.	ALUMINUM
ALT.	ALTERNATE
A.P.	ACCESS PANEL
APPO.	APPROVED
APPROX.	APPROXIMATE
ARCH.	ARCHITECTURAL
ASPH.	ASPHALT
BAL.	BALANCING
BARR.	BARRIER
BD.	BOARD
BITUM.	BITUMINOUS
BLDG.	BUILDING
BLK.	BLOCK or BLOCKING
B.M.	BENCH MARK
BOT.	BOTTOM
B.O.	BOTTOM OF
BSMT.	BASEMENT
B.U.R.	BUILT-UP ROOFING
C.TO C.	CENTER TO CENTER
CAB.	CABINET
CAP.	CAPACITY
C.B.	CATCH BASIN
CEM.	CEMENT
CER.	CERAMIC
C.G.	CORNER GUARD
CH.	CHANNEL
CH.B.	CHALK BOARD
C.I.	CAST IRON
CITY	CITY OF SAN FRANCISCO
C.J.	CONTROL JOINT
C.L.	CHAIN LINK
CLG.	CEILING
CLKG.	CAULKING
CLOS.	CLOSET
CLR.	CLEAR
C.M.S.	COUNTERSUNK MACHINE
	SCREW
C.M.U.	CONCRETE MASONRY UNIT
C.O.	CASED OPENING
COL.	COLUMN
CONC.	CONCRETE
CONN.	CONNECTION
CONT.	CONTINUOUS
CONST.	CONSTRUCTION
CONTR.	CONTRACTOR
CORR.	CORRIDOR
C.T.	CERAMIC TILE
CTR.	CENTER
CTSK.	COUNTERSINK(SUNK)
DP.	DEEP
D.A.	DOUBLE ACTING
DBL.	DOUBLE
DEPT.	DEPARTMENT
DET.	DETAIL
D.F.	DRINKING FOUNTAIN
∅	DIAMETER
DIAM.	DIAMETER
DIAG.	DIAGONAL
DIM.	DIMENSION
DISP.	DISPENSER
DIV.	DIVISION
DG	DECOMPOSED GRANITE
DN.	DOWN
DO.	DOOR OPENING
DOM.	DOMESTIC
DP.	DAMPROOFING
DR.	DOOR
DS.	DOWNSPOUT
D.S.P.	DRY STANDPIPE
D.S.A.	DIVISION OF STATE ARCHITECT
DWG.	DRAWING
DWR.	DRAWER
(E)	EXISTING
E.	EAST
EA.	EACH
E.B.	EXPANSION BOLT
E.J.	EXPANSION JOINT
EL.	ELEVATION
ELEC.	ELECTRICAL
ELEV.	ELEVATION
EMER.	EMERGENCY
EN.	ENAMEL
ENCL.	ENCLOSURE
E.P.	ELECTRICAL PANELBOARD
EQ.	EQUAL
EQ.J.	EARTHQUAKE JOINT
EQUIP.	EQUIPMENT
EST.	ESTIMATE
E.W.	EACH WAY
E.W.C.	ELECTRIC WATER COOLER
EXC.	EXCAVATE(ED)
EXH.	EXHAUST
EXP.	EXPOSED
EXPAN.	EXPANSION
EXT.	EXTERIOR
EXTR.	EXTRUDED
F.A.	FIRE ALARM
FAB.	FABRICATE
F.B.	FLAT BAR
F.A.U.	FORCED AIR UNIT
F.B.O.	FURNISHED BY OTHERS
F.C.	FURRED CEILING
F.D.	FLOOR DRAIN
FDN.	FOUNDATION
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CABINET
FEDSPEC	FEDERAL SPECIFICATION
F.F.	FINISHED FLOOR
F.H.	FIRE HYDRANT
F.H.C.	FIRE HOSE CABINET
F.H.S.	FLAT HEAD SCREW
FIN.	FINISH(ED)
F.I.O.	FURNISHED & INSTALLED
	BY OWNER
F.J.	FORMED JOINT
FLASH.	FLASHING
FLEX.	FLEXIBLE
FLR.	FLOOR
FLUOR.	FLUORESCENT
F.O.C.	FACE OF CONCRETE
F.O.F.	FACE OF FINISH
F.O.W.	FACE OF WALL
F.O.I.C.	FURNISHED BY OWNER,
	INSTALLED BY CONTRACTOR
F.O.S.	FACE OF STUD
FP.	FIREPROOF
F.S.	FULL SIZE
FT.	FEET or FOOT
FTG.	FOOTING
FURR.	FURRING
FUT.	FUTURE
GA.	GAUGE
GAL.	GALLON
GALV.	GALVONZIED
G.B.	GRAB BAR
GEN.	GENERAL
GL.	GLASS
GND.	GROUND
GOVT.	GOVERNMENT
GR.	GRADE
G.S.M.	GALVANIZED SHEET METAL
G.S.U.	GLAZED STRUCTURAL UNIT
G.W.B.	GYPSUM WALL BOARD
GYM.	GYMNASIUM
GYP.	GYPSUM
H.	HIGH (DIM)
H.B.	HOSE BIB
H.C.	HOLLOW CORE
HDWD.	HARDWOOD
HDWE.	HARDWARE
HGT.	HEIGHT
H.M.	HOLLOW METAL
HOL.	HOLLOW
HOR.	HORIZONTAL
H.P.	HIGH POINT
HR.	HOUR
HT.	HEIGHT
H.W.H.	HOT WATER HEATER
I.D.	INSIDE DIAMETER
IN.	INCH
INCR.	INCREASE
INFO.	INFORMATION
INS.	INSULATION
INT.	INTERIOR
INV.	INVERT
I.S.A.	INTERNATIONAL SYMBOL OF
	ACCESSIBILITY
JAN.	JANITOR
JST.	JOIST
JT.	JOINT
K.O.	KNOCK OUT
K.P.	KICK PLATE
L.	LONG (DIM)
LAB.	LABORATORY
LAM.	LAMINATE(ED)
LAV.	LAVATORY
LIN.	LINEAR
LKR.	LOCKER
LT.	LIGHT
LTG.	LIGHTING
MARB.	MARBLE
MAS.	MASONRY
MAT.	MATERIAL
MAX.	MAXIMUM
M.B.	MACHINE BOLT
M.C.	MEDICINE CHEST
MECH.	MECHANICAL
MEMB.	MEMBRANE
MFR.	MANUFACTURER
MH.	MANHOLE
MIN.	MINIMUM
MIR.	MIRROR
MISC.	MISCELLANEOUS
MLDG.	MOULDING
M.L.P.	METAL LATH & PLASTER
M.O.	MASONRY OPENING
M.S.	MACHINE SCREW
MTD.	MOUNTED
MTL.	METAL
MUL.	MULLION
(N)	NEW
N.	NORTH
NEG.	NEGATIVE
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
N.T.S.	NOT TO SCALE
O/	OVER
O.A.	OVERALL
OBS.	OBSCURE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
O.F.C.I.	OWNER FURNISHED
	CONTRACTOR INSTALLED
O.F.D.	OVERFLOW DRAIN
OFF.	OFFICE
O.F.C.	OVERFLOW SCUPPER
O.H.S.	OVAL HEAD SCREW
OPNG.	OPENING
OPP.	OPPOSITE
O.R.S.	OFFICE OF REGIONAL
	SERVICES, D.S.A.
O.H.	OVERHEAD
OZ.	OUNCE
PARA.	PARALLEL
PART.	PARTITION
PART.BD.	PARTICLE BOARD
P.B.	PANIC BAR
PC.	PIECE or POINT OF CURVATURE
PERF.	PERFORATED
PERP.	PERPENDICULAR
PL.	PLATE
P.L.	PROPERTY LINE
P-LAM.	PLASTIC LAMINATE
PLAS.	PLASTER
PLY.	PLYWOOD
PNL.	PANEL
POL.	POLISH(ED
P.O.A.	PATH OF TRAVEL
P.PL.	POLISHED PLATE
PR.	PAIR
PRCST.	PPRECAST
PREFAB.	PREFABRICATE(D)
PRELIM.	PRELIMINARY
PROJ.	PROJECT or PROJECTION
PROP.	PROPERTY
P.S.	PIPE STEEL
P.S.I.	POUNDS PER SQUARE INCH
P.S.F.	POUNDS PER SQUARE FOOT
PT.	POINT
P.T.D.	PAPER TOWEL DISPENSER
P.T.D./R.	PAPER TOWEL DISPENSER
	& RECEPTACLE
P.T.D.F.	PRESSURE TREATED DOUGLAS
	FIR
P.T.R.	PAPER TOWEL RECEPTACLE
Q.T.	QUARRY TILE
QTR.	QUARTER
R.	RISER
RAD.	RADIUS
R.B.	RUBBER BASE
R.C.P.	REFLECTED CEILING PLAN
R.D.	ROOF DRAIN
REC.	RECEIVE
REF.	REFERENCE
REFA	REFRIGARATION
REINF.	REINFORCED
REQD.	REQUIRED
RES.	RESILIENT
RET.	RETURN
REV.	REVISED or REVISION
RFG.	ROOFING
RGTR.	REGISTER
RHS.	ROUND HEAD SCREW
R.I.	RIGID INSULATION
R.L.	RAIN LEADER (INTERIOR)
RM.	ROOM
RND.	ROUND
R.O.	ROUGH OPENING
RSP	RESOURCE SPECIALIST CLASSRM
RUB.	RUBBER
RWD.	REDWOOD
RDWD.	REDWOOD
S.	SOUTH
S.&V.	SATIN & VARNISH
S.C.	SOLID CORE
S.C.D.	SEAT COVER DISPENSER
S.E.D.	SEE ELECTRICAL DWGS.
SCHED.	SCHEDULE(ED)
S.D.	SOAP DISPENSER or
	STORM DRAIN
S..S.	SELF-DRILLING SCREW
SECT.	SECTION
SH.	SHOWER
SHT.	SHEET
SHTG.	SHEATHING
SIM.	SIMILAR
SL.	SLOPE
S.L.D.	SEE LANDSCAPE DWGS.
S.M.D.	SEE MECHANICAL DWGS.
SMS	SHEET METAL SCREW
S.N.D.	SANITARY NAPKIN DISPENSER
S.N.R.	SANITARY NAPKIN RECEPTACLE
S.O.G.	SLAB ON GRADE
S.P.D.	SEE PLUMBING DWGS.
SPEC.	SPECIFICATIONS
SQ.	SQUARE
S.S.D.	SEE STRUCTURAL DWGS.
S.	SOUTH
SK.	SINK
S.STL., S.S.	STAINLESS STEEL
STA.	STATION
STD.	STANDARD
STER.	STERILIZER
STL.	STEEL
STOR.	STORAGE
STRUCT.	STRUCTURAL
STS	SELF-TAPPING SCREW
SUB.	SUBSTITUTE
SUPT.	SUPERINTENDENT
SUSP.	SUSPEND(ED)
SYM.	SYMMETRICAL
SYS.	SYSTEM
T.	TREAD
T&G	TONGUE & GROOVE
T&I	TESTING & INSPECTION
THERM.	THERMOSTAT
TB.	TACKBOARD
TC.	TERRACOTTA
TEL.	TELEPHONE
TEMP.	TEMPORARY or TEMPERATURE
TERR.	TERRAZZO
T.H.B.	TEMPER HARD BOARD
THK.	THICK
THRESH.	THRESHOLD
THRU.	THROUGH
TLT.	TOILET
T.O.	TOP OF
TOP.	TOPPING
T.O.C.	TOP OF CONCRETE
T.O.S.	TOP OF STEEL
T.M.E.	TO MATCH EXISTING
T.P.	TOP OF PAVEMENT
T.P.D.	TOILET PAPER DISPENSER
T.S.	TUBE STEEL
T.V.	TELEVISION
T.W.	TOP OF WALL
TYP.	TYPICAL
U.H.	UNIT HEATER
UNFIN.	UNFINISHED
U.O.N.	UNLESS OTHERWISE NOTED
U.O.S.	UNDERSIDE OF STEEL
UR.	URINAL
U.	UNIT
V.	VENTILATOR
VAR.	VARIES or VARIABLE
V.B.	VINYL BASE
V.C.T.	VINYL COMPOSITION TILE
VERT.	VERTICAL
VEST.	VESTIBULE
V.G.	VERTICAL GRAIN
VOL.	VOLUME
V.S.	VINYL SHEET
W.	WEST
W/	WITH
W/O	WITHOUT
WAIN	WAINSCOT
W.C.	WATER CLOSET
W.C.A.	WHEEL CHAIR ACCESSIBLE
WD.	WOOD
W.F.	WIDE FLANGE (STEEL)
W.GL.	WIRE GLASS
WH.B.	WHITE BOARD
W.I.	WHERE INDICATED
WIND.	WINDOW
W.O.	WHERE OCCURS
W.P.	WATERPROOF
W.S.	WEATHERSTRIP
WT.	WEIGHT
W.W.M.	WELDED WIRE MESH
Y.D.	YARD DRAIN

GENERAL NOTES

1. COORDINATE LAYOUT DIMENSIONS INDICATED ON THE STRUCTURAL, ELECTRICAL, PLUMBING, AND MECHANICAL DRAWINGS WITH THOSE INDICATED ON THE ARCHITECTURAL DRAWINGS. REPORT ALL DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.

2. ALL WORK IS SHOWN, DESCRIBED, OR SPECIFIED IN THE DRAWINGS INDEXED ON THE TITLE PAGE (T1) OR IN THE SPECIFICATIONS.

3. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND VERIFYING ALL DIMENSIONS, ELEVATIONS, AND EXISTING CONDITIONS ON THE PROJECT SITE BEFORE THE WORK BEGINS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING DEMOLITION REQUIREMENTS IN RELATION TO THE CONTRACT DOCUMENTS. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES TO THE CONDITIONS SHOWN IN THE CONTRACT DOCUMENTS BEFORE CONSTRUCTIONS BEGINS.

4. EXISTING CONDITIONS SHOWN ON THE DRAWINGS WERE OBTAINED FROM OWNER-PROVIDED ARCHIVE DRAWINGS. VERIFY ALL EXISTING CONDITIONS AND NOTIFY THE ARCHITECT OF ALL DEVIATIONS BEFORE PROCEEDING WITH THE WORK.

5. PLUM ARCHITECTS HAS PREPARED THESE CONSTRUCTION DOCUMENTS ONLY FOR THE IMPROVEMENTS SPECIFIED, DETAILED, INDICATED, OR SHOWN AS NEW WORK AND ASSUMES NO RESPONSIBILITY FOR OTHER CONSTRUCTION, MATERIAL, OR EQUIPMENT NOTED, INDICATED, OR SHOWN AS "EXISTING" OR AS "PROVIDED BY OTHERS." UNLESS OTHERWISE INDICATED OR NOTED, PLUM ARCHITECTS HAS NEITHER CHECKED NOR VERIFIED THE STRUCTURAL INTEGRITY, QUALITY OF CONSTRUCTION, ACCESSIBILITY TO, EGRESS FROM, OR DESIGN OF THE EXISTING CONSTRUCTION AND ANY OTHER WORK NOT INCLUDED AS PART OF THE IMPROVEMENTS SPECIFIED, DETAILED, OR SHOWN ON THESE DOCUMENTS.

6. ITEMS INDICATED TO BE VERIFIED OR FIELD VERIFIED ARE REQUIRED TO BE VERIFIED PRIOR TO ORDERING MATERIALS OR PROCEEDING WITH THE WORK. ITEMS ARE ALWAYS TO BE VERIFIED FOR DESIGN INTENT AND COMPATIBILITY WITH APPROPRIATE BUILDING CODES.

7. NOT USED

8. ADEQUATE ENGINEERING OBSERVATION AND TESTING SHALL BE PROVIDED DURING CONSTRUCTION BY INSPECTOR OF RECORD PER TITLE 24.

9. DO NOT SCALE DIMENSIONS FROM DRAWINGS. USE WRITTEN DIMENSIONS. WHERE NO DIMENSION IS PROVIDED, CONSULT THE ARCHITECT FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR ALL DIMENSIONS.

10. DRAWINGS AND SPECIFICATIONS REPRESENT FINISHED CONSTRUCTION, UNLESS OTHERWISE NOTED THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS AND METHODS OF CONSTRUCTION.

11. ONLY WORK SO NOTED IS NOT IN CONTRACT. WORK DESCRIBED AS NOT IN CONTRACT SHALL NOT BE CONSTRUED AS DSA-APPROVED AND HAS NOT BEEN REVIEWED FOR COMPLIANCE WITH CURRENT CODE.

12.

13. ALL ITEMS ARE NEW UNLESS OTHERWISE NOTED.

14. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE CONTRACT DOCUMENTS IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODES OF REGULATIONS. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED THAT IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CONSTRUCTION CHANGE DOCUMENT, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE ARCHITECT AND BY DSA BEFORE PROCEEDING WITH THE WORK.

15. THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES, STRUCTURES, AND EQUIPMENT. EXISTING UTILITIES AND IMPROVEMENTS DAMAGED DURING THE COURSE OF THE WORK SHALL BE PROMPTLY REPAIRED. EXISTING UTILITIES AND IMPROVEMENTS DAMAGED FOR WHICH LOCATIONS WERE UNKNOWN, SHALL BE IMMEDIATELY BROUGHT TO THE OWNER'S AND ARCHITECT'S ATTENTION AND PROMPTLY REPAIRED AT HIS/HER DIRECTION. THE WORK REQUIRED TO REPAIR DAMAGED EXISTING UTILITIES AND IMPROVEMENTS FOR WHICH LOCATIONS WERE UNKNOWN WILL BE REVIEWED AND TAKEN UNDER CONSIDERATION AS EXTRA WORK.

16. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS TO INCLUDE ALL LABOR, MATERIAL, EQUIPMENT, AND SERVICE NECESSARY FOR ALL WORK SHOWN, PRESCRIBED, OR REASONABLY IMPLIED, BUT NOT LIMITED TO THAT EXPLICITLY INDICATED IN THE CONTRACT DOCUMENTS. WHERE WORK OR EQUIPMENT IS INDICATED N.I.C. (NOT IN CONTRACT). SUCH WORK AND/OR EQUIPMENT SHALL BE PROVIDED BY OTHERS. CONTRACTOR SHALL COORDINATE AND COOPERATE TO EFFECT SUCH INSTALLATIONS. ALL REQUESTS FOR CLARIFICATIONS OF THESE DRAWINGS SHALL BE DIRECTED TO PLUM ARCHITECTS. ALL REQUIRED WORK SHALL BE PERFORMED BY THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OF OTHER TRADES ON THE PROJECT. ANY CHANGES OR DELAYS ARISING FROM CONFLICTS BETWEEN TRADES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING THAT ALL TRADES COORDINATE INTERFACE BETWEEN THEMSELVES.

17. WORK BY OTHERS, OWNER MAINTENANCE PROJECTS, AND OTHER WORK ON THE SITE MAY OCCUR CONCURRENT WITH THE WORK OF THE CONTRACT. CONTRACTOR SHALL COORDINATE HIS WORK WITH THE CONCURRENT WORK ON THE SITE. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY CONFLICTS THAT ARISE BETWEEN THE CONTRACT WORK AND THE CONCURRENT WORK ON THE SITE.

18. USE OF MATERIALS CONTAINING ASBESTOS OR OTHER HAZARDOUS MATERIALS IS PROHIBITED.

19. THE TERM "TYPICAL" (TYP) SHALL BE CONSTRUED TO MEAN APPLYING TO ALL LIKE OR SIMILAR CONDITIONS IN THE AREAS WITHIN THE BOUNDARIES OF THIS PROJECT.

20. THE CONTRACTOR SHALL MAINTAIN THE PUBLIC RIGHT OF WAYS, SIDEWALKS, CORRIDORS, ETC., AFFECTED BY THE CONSTRUCTION, AND KEEP THESE AREAS FREE OF ALL SOIL, DEBRIS, TRASH, ETC. ON A DAILY BASIS. CLEAN EGRESS SHALL BE MAINTAINED AT ALL TIMES FOR ALL ADJACENT BUILDING TENANTS, THEIR EMPLOYEES, AND GUESTS. CONSTRUCTION DEBRIS AND WASTE SHALL BE DEPOSITED AT AN APPROPRIATE SITE. THE CONTRACTOR SHALL AT ALL TIMES KEEP PREMISES FREE FROM ACCUMULATION OF DEBRIS CAUSED BY IT'S OPERATIONS. AT THE COMPLETION OF THE WORK, CONTRACTOR SHALL CLEAN BUILDING AND LEAVE THE WORK "READY FOR MOPPING AND WAXING."

21. NO EXTRA WORK, CHANGES OR DEVIATIONS FROM THE DRAWINGS AND SPECIFICATIONS SHALL BE MADE UNLESS WRITTEN AND COUNTERSIGNED BY THE ARCHITECT AND OWNER OR WRITTEN ORDER FROM THE ARCHITECT IS OBTAINED. THIS ORDER SHALL STATE THAT THE OWNER HAS AUTHORIZED THE EXTRA WORK OR CHANGE AND NO CLAIM FOR AN ADDITIONAL SUM SHALL BE VALID UNLESS SO PRESENTED AS DESCRIBED ABOVE. THE WRITTEN ORDER IS SUBJECT TO APPROVAL BY THE GOVERNING REGULATORY AGENCIES.

22. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO SUPPLY AND DISTRIBUTE ADEQUATE COPIES OF ALL DRAWINGS TO ALL TRADES FALLING UNDER THEIR RESPONSIBILITY AT ALL TIMES DURING THE PROGRESS OF THE JOB (I.E. REVISIONS.)

23. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION AND APPROVALS OF SUBSTITUTED MATERIALS AS REQUIRED BY THE GOVERNING CODES AND AGENCIES.

24. THE CONTRACTOR SHALL SUBMIT ALL PERTINENT SHOP DRAWINGS AND COLOR SAMPLES FOR THE ARCHITECT'S REVIEW. ALLOWING ADEQUATE TIME FOR REVIEW AND CORRECTIVE ACTION, SHOULD IT BE REQUIRED. BY SUBMITTING SHOP DRAWINGS, THE CONTRACTOR THEREBY REPRESENTS THAT HE HAS VERIFIED ALL FIELD MEASUREMENTS, METHODS OF ACCESS TO THE POINT OF INSTALLATION AND SIMILAR FILED CRITERIA FOR ALL PREFABRICATED ASSEMBLIES OTHER THAN BUILDING STANDARDS WORK. THE ARCHITECTS APPROVAL OF THE SHOP DRAWINGS SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR DEVIATIONS FROM THE CONTRACT DOCUMENTS UNLESS HE HAS IN WRITING CALLED THE ARCHITECT'S ATTENTION TO SUCH DEVIATIONS AS THE TIME OF THE SUBMISSION. NOR SHALL IT RELIEVE HIM OF THE RESPONSIBILITY FOR ERRORS OF ANY SORT IN THE SHOP DRAWINGS.

25. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL WORK MATERIALS IN CONFORMANCE WITH CONTRACT DOCUMENTS AND ANY CODES OF FEDERAL, STATE, COUNTY, OR MUNICIPALITY HAVING JURISDICTION OVER SUCH WORK. ALL APPLICABLE REQUIREMENTS IN THESE REGULATIONS SHALL BE FOLLOWED THE SAME AS IF NOTED ON THE DRAWINGS. CONFLICTS BETWEEN WORK SET FORTH ON THE DRAWINGS AND BUILDING CODES, LAWS, OR REGULATIONS NOTED BY THE CONTRACTOR SHALL BE SUBMITTED TO THE ARCHITECT FOR RESOLUTION PRIOR TO PROCEEDING WITH THE WORK.

26. UPON COMPLETION OF THE WORK THE CONTRACTOR SHALL SUBMIT CERTIFICATES OF INSPECTION OF SATISFACTORY COMPLETION, AND OPERATIONS AND MAINTENANCE INSTRUCTIONS OF ALL EQUIPMENT TO THE OWNER AND TENANT.

27. NOT USED

28. STRUCTURAL DRAWINGS GOVERN FOR SPACING AND SIZING FOR ALL STRUCTURAL MEMBERS, REINFORCING AND INSTALLING DETAILS.

29. NOT USED

30. CONTRACTOR TO REPAIR AND PATCH ALL AREAS DISTURBED DUE TO THIS PROJECTS'S SCOPE OF WORK.

31. ACCESSIBLE ROUTE OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAX SLOPE, OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAX AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5%, UNLESS OTHERWISE INDICATED. ACCESSIBLE ROUTE OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80". ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE ROUTE OF TRAVEL.

GENERAL NOTES CON'T.

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

33. NOT USED

34. THE CONTRACT DOCUMENTS, INCLUDING THE SPECIFICATIONS, PLANS, AND DRAWINGS, ARE COMPLEMENTARY AND WHAT IS CALL FOR BY ANY ONE SHALL BE AS BINDING AS IF CALLED FOR BY ALL. IN CASE OF CONFLICT, LARGE SCALE DRAWINGS SHALL GOVERN OVER SMALL-SCALL DRAWINGS, THE SPECIFICATIONS SHALL GOVERN OVER BOTH THE CONSTRUCTION PROCEDURES MANUAL AND THE CONTRACT DRAWINGS EXCEPT AS NOTED HEREIN BELOW, SPECIAL PROVISIONS SHALL GOVERN OVER BOTH THE CONTRACT DRAWINGS AND THE GENERAL CONDITIONS, AND SUBSEQUENT ADDENDA, INTERPRETATIONS, OR CHANGE ORDERS SHALL GOVERN OVER THE ORIGINAL DOCUMENTS, UNLESS A DIFFERENT ORDER OF PRECEDENCE IS NOTED ELSEWHERE IN CONJUNCTION WITH A SPECIFIC PORTION OF THE DOCUMENTS.
    - 34.1. IN CASE OF CONFLICT BETWEEN THE DRAWINGS AND SPECIFICATIONS, THE DOCUMENT CONTAINING ADDITIONAL QUANTITIES SHALL GOVERN IN MATTERS OF QUANTITY, THE DOCUMENT REQUIRING A HIGHER DEGREE OF QUALITY SHALL GOVERN IN MATTERS OF QUALITY. IN CASE OF CONFLICT WITHIN THE DRAWINGS INVOLVING QUANTITIES OR WITHIN THE SPECIFICATIONS INVOLVING QUALITY, THE GREATER QUANTITY AND THE HIGHER QUALITY SHALL BE FURNISHED. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ALL SUCH QUANTITY AND QUALITY CONFLICTS AND SHALL AGREE UPON RESOLUTION, IN WRITING, PRIOR TO PROCEEDING.
    - 34.2. WHERE ON ANY DRAWING A PORTION OF THE WORK IS DRAWN OUT THE REMAINDER IS INDICATED IN OUTLINE, THE DRAWN-OUT PARTS SHALL APPLY TO ALL OTHER LIKE PORTIONS OF THE WORK. WHERE ORNAMENT OR OTHER DETAIL IS INDICATED AS STARTING, SUCH DETAIL SHALL BE CONTINUED THROUGHOUT THE COURSES OR PARTS IN WHICH IT OCCURS AND SHALL ALSO APPLY TO OTHER SIMILAR PARTS IN THE WORK, UNLESS OTHERWISE NOTED.

35. THE WORK SHALL BE IN CONFORMANCE WITH THE AIR POLLUTION CONTROL STANDARDS AND REGULATIONS, ORDINANCES, AND STATUTES SPECIFIED IN SECTION 11017 OF THE GOVERNMENT CODE. THE CONTRACTOR SHALL AT ALL TIMES KEEP PREMISES FREE FROM ACCUMULATION OF DEBRIS CAUSED BY IT'S OPERATIONS. THE CONTRACTOR SHALL KEEP THE PROJECT AREA AND SURROUNDING AREA FREE FROM DUST NUISANCE. CONSTRUCTION DEBRIS AND WASTE SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE AND DISPOSE OF AT AN APPROPRIATE SITE. AT THE COMPLETION OF THE WORK, CONTRACTOR SHALL CLEAN THE BUILDING.

ADMINISTRATIVE REQUIREMENTS

Chapter 4, Part 1, Title 24, C.C.R. (Partial Listing Only)

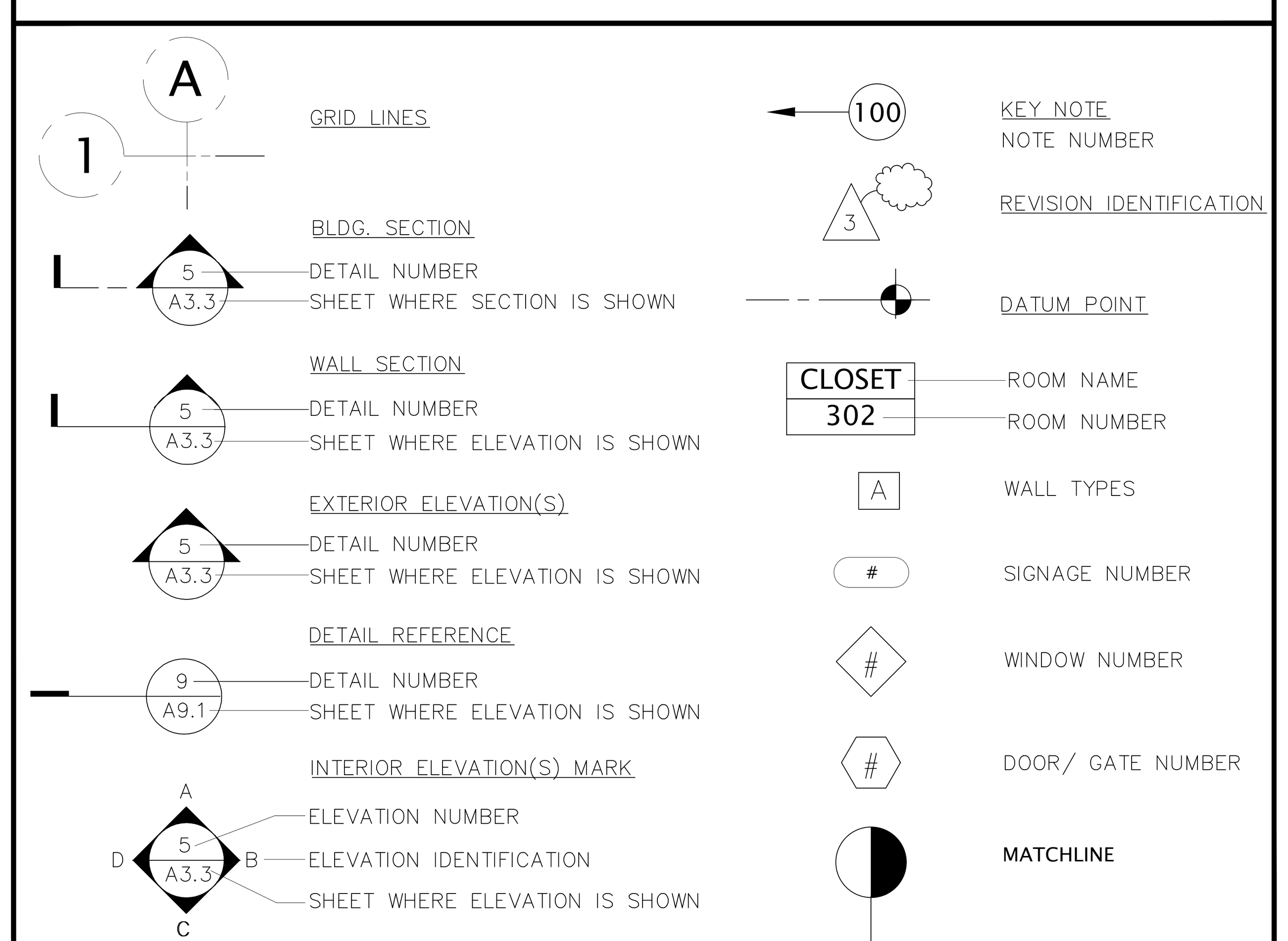
1. A copy of all applicable parts referred to by the plans and specifications of C.C.R Title 24, shall be kept on the job site at all times.
2. All construction change documents and addenda shall be signed by the architect and the owner and approved by DSA. Construction change documents are not valid until approved by DSA per Section 4-338, Part 1, Title 24.
3. All tests shall conform to the requirements of Section 4-335, Part 1, Title 24, and approved T&I sheet.
4. Tests of materials and testing laboratory shall be in accordance with Section 4-335 of Part 1, Title 24 and the district shall employ and pay the laboratory. Costs of re-test may be back charged to the contractor.
5. DSA shall be notified at the start of construction and prior to the placement of concrete per Section 4-331, Part 1, Title 24.
6. Inspector-of-record shall be approved by DSA. Inspection shall be in accordance with Section 4-333(b). The duty of the inspector shall be in accordance with Section 4-342, Part 1, Title 24.
7. Supervision of construction by DSA shall be in accordance with Section 4-334, Part 1, Title 24.
8. Contractor, inspector, architect and engineers shall submit verified reports (DSA 6-AE) in accordance with Section 4-336 and 4-343, Part 1, Title 24.
9. The architect and the structural engineer shall perform their duties in accordance with Section 4-333(a) and 4-341, Part 1, Title 24.
10. The contractor shall perform its duties in accordance with Section 4-343, Part 1, Title 24.
11. The intent of the drawings and specifications is to maintain the school buildings in accordance with Title 24, C.C.R. should any conditions develop not covered by the contract documents wherein the finished work will not comply with said Title 24, C.C.R., a construction change document detailing and specifying the required work shall be submitted to, and approved by, the division of the state architect (DSA) before proceeding with the work.

APPLICABLE CODES

California Code of Regulations Title 24 (CCR):
- 2022 California Administrative Code (CAC), Part 1
- 2022 California Building Code (CBC), Part 2,
  - (2021 International Building Code, Vol. 1&2 and 2019 California Amendments)
- 2022 California Electrical Code (CEC) ,Part 3,
  - (2020 National Electrical Code and 2019 California Amendments)
- 2022 California Mechanical Code (CMC), Part 4,
  - (2021 IAPMO Uniform Mechanical Code and 2019 California Amendments)
- 2022 California Plumbing Code (CPC),Part 5,
  - (2021 IAMPO Uniform Plumbing Code and 2019 California Amendments)
- 2022 California Energy Code (CEnC), Part 6
- 2022 California Fire Code (CFC), Part 9
  - (2021 International Fire Code and 2019 California Amendments)
- 2022 California Green Building Standards Code (CALGreen), Part 11
- 2022 California Referenced Standards Code, Part 12
- Title 19, Public Safety, State Fire Marshal Regulations
- 2010 ADA Standards for Accessible Design

2021 NFPA 17 Standard for Dry Chemical Extinguishing Systems
2019 NFPA 24 Standard for the Installation of Private Fire Service Mains and their Appurtenances
2022 NFPA 72 National Fire Alarm and Signaling Code (and CA Amendments)
2003 UL 464 Audible Signaling Devices for Fire Alarm and Signaling Systems Including Accessories
1999 UL 521 Standards for Heat Detectors for Fire Protective Signaling Systems

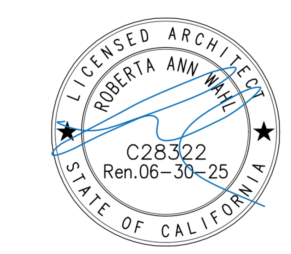
LEGEND



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-121299 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 2/13/2024

PLUM | architects

936 Clement St, San Francisco CA 94118
TEL: 415-837-0900



	Revisions
DSA REGISTRATION	09/27/23
DSA OTC SUBMITTAL	01/19/24
DSA OTC BACKCHECK	01/30/24

Project 2314

Pittsburg Adult School: ESL Restroom Relocatable

1151 Stoneman Avenue
Pittsburg, CA 94565
Pittsburg Unified School District

Sheet

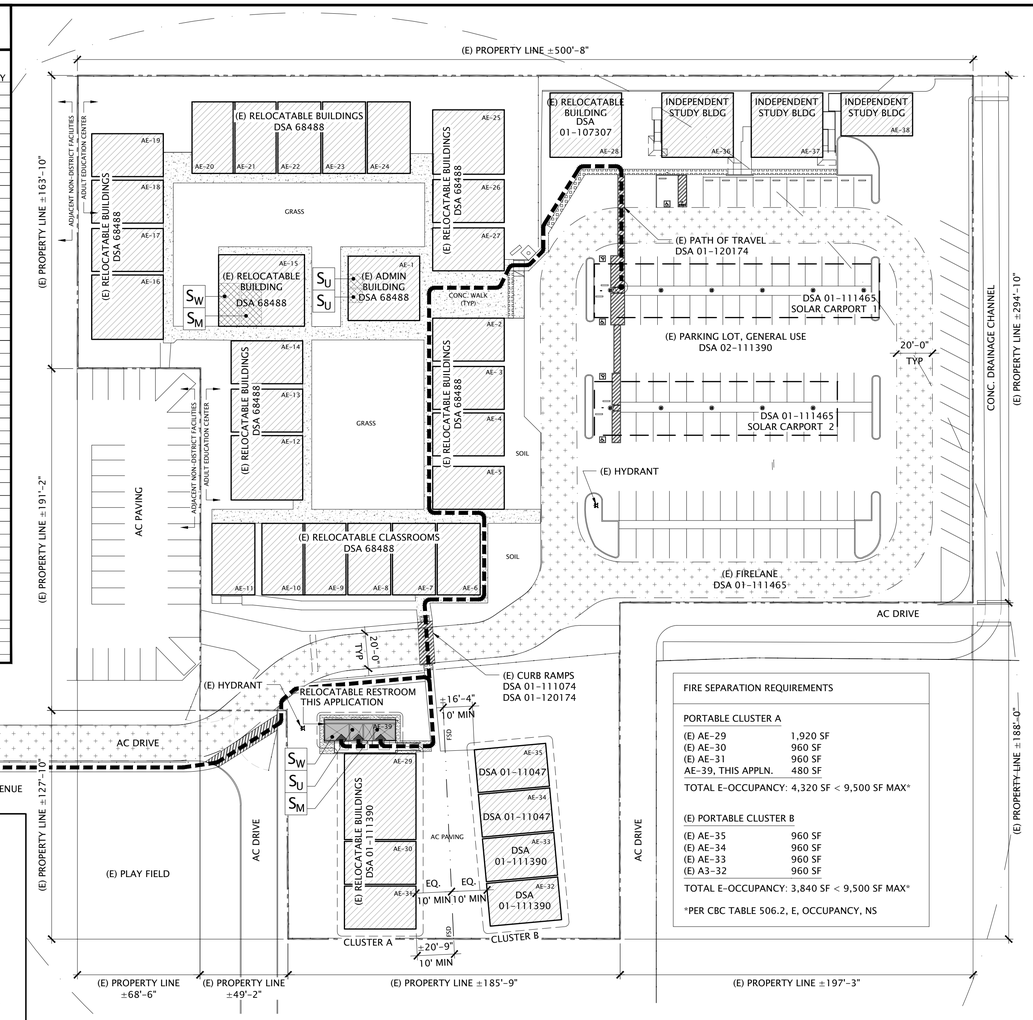
GENERAL NOTES & ABBREVIATIONS

T2

Date
January 30, 2024

BUILDING AREA ANALYSIS

BUILDING NAME	DSA #	BUILDING AREA (GSF)	STORIES	FIRE SPRINK.	CONST. TYPE	OCCUPANCY
(E) BUILDING AE-1	68488	1,440 SF	1	N	VB	B
(E) BUILDING AE-2	68488	960 SF	1	N	VB	E
(E) BUILDING AE-3	68488	960 SF	1	N	VB	E
(E) BUILDING AE-4	68488	960 SF	1	N	VB	E
(E) BUILDING AE-5	68488	960 SF	1	N	VB	E
(E) BUILDING AE-6	68488	960 SF	1	N	VB	E
(E) BUILDING AE-7	68488	960 SF	1	N	VB	E
(E) BUILDING AE-8	68488	960 SF	1	N	VB	E
(E) BUILDING AE-9	68488	960 SF	1	N	VB	E
(E) BUILDING AE-10	68488	960 SF	1	N	VB	E
(E) BUILDING AE-11	68488	960 SF	1	N	VB	E
(E) BUILDING AE-12	68488	1,440 SF	1	N	VB	E
(E) BUILDING AE-13	68488	960 SF	1	N	VB	E
(E) BUILDING AE-14	68488	960 SF	1	N	VB	E
(E) BUILDING AE-15	68488	1,920 SF	1	N	VB	E
(E) BUILDING AE-16	68488	1,440 SF	1	N	VB	E
(E) BUILDING AE-17	68488	960 SF	1	N	VB	E
(E) BUILDING AE-18	68488	960 SF	1	N	VB	E
(E) BUILDING AE-19	68488	960 SF	1	N	VB	E
(E) BUILDING AE-20	68488	960 SF	1	N	VB	E
(E) BUILDING AE-21	68488	960 SF	1	N	VB	E
(E) BUILDING AE-22	68488	960 SF	1	N	VB	E
(E) BUILDING AE-23	68488	960 SF	1	N	VB	E
(E) BUILDING AE-24	68488	960 SF	1	N	VB	E
(E) BUILDING AE-25	68488	1,440 SF	1	N	VB	E
(E) BUILDING AE-26	68488	960 SF	1	N	VB	E
(E) BUILDING AE-27	68488	960 SF	1	N	VB	E
(E) BUILDING AE-28	68488	1,440 SF	1	N	VB	E
(E) BUILDING AE-29	01-111390	1,920 SF	1	N	VB	E
(E) BUILDING AE-30	01-111390	960 SF	1	N	VB	E
(E) BUILDING AE-31	01-111390	960 SF	1	N	VB	E
(E) BUILDING AE-32	01-111390	960 SF	1	N	VB	E
(E) BUILDING AE-33	01-111390	960 SF	1	N	VB	E
(E) BUILDING AE-34	01-11074	960 SF	1	N	VB	E
(E) BUILDING AE-35	01-11074	960 SF	1	N	VB	E
(E) BUILDING AE-36	01-107307	1,440 SF	1	N	VB	E
(E) BUILDING AE-37	01-107307	1,440 SF	1	N	VB	E
(E) BUILDING AE-38	01-107307	960 SF	1	N	VB	E
RELOCATABLE AE-39		480 SF	1	N	VB	N/A
TOTAL BUILDING AREA		18,720 SF				
(E) SOLAR CARPORT 1	01-111465	4,782 SF				
(E) SOLAR CARPORT 2	01-111465	4,073 SF				



1 ACCESSIBILITY SITE PLAN

SCALE: 1" = 40'-0"

N

FIRE SEPARATION REQUIREMENTS

PORTABLE CLUSTER A

(E) AE-29	1,920 SF
(E) AE-30	960 SF
(E) AE-31	960 SF
AE-39, THIS APPLN.	480 SF

TOTAL E-OCCUPANCY: 4,320 SF < 9,500 SF MAX*

(E) PORTABLE CLUSTER B

(E) AE-35	960 SF
(E) AE-34	960 SF
(E) AE-33	960 SF
(E) A3-32	960 SF

TOTAL E-OCCUPANCY: 3,840 SF < 9,500 SF MAX*

*PER CBC TABLE 506.2, E, OCCUPANCY, NS

GENERAL NOTES

A. ALL EXISTING ACCESSIBILITY INFORMATION ON THIS SHEET IS DERIVED FROM DSA APPLICATION #01-107307 AND VERIFIED BY THE AOR. MODIFICATIONS TO THE EXISTING CAMPUS OR FACILITIES ARE INDICATED AND INCLUSIVE TO THE SCOPE OF WORK INDICATED.

B. ALL WALK SURFACES IN THE PATH OF TRAVEL SHALL HAVE FLUSH TRANSITIONS TO ALL ADJACENT WALK SURFACES IN PATH OF TRAVEL AND SHALL HAVE NO MORE THAN 4" DROPOFF ON EITHER SIDE OF WALK PARALLEL TO THE PATH OF TRAVEL, UNLESS 6" HIGH CURB OR OTHER WARNING DEVICE IS PROVIDED.

C. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:
THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS, OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NON-COMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS.
DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

RELOCATABLE OCCUPANCY ANALYSIS

PARKING SUMMARY

PRIMARY LOT	TOTAL
PROVIDED STALLS:	123 STALLS
SHADED	64 (±52%)
NON-SHADED	60 (±48%)
ACCESSIBLE STALLS (REQUIRED/PROVIDED):	5/6 STALLS, MIN. 1 VAN
SHADED	2 STALLS
VAN ACCESSIBLE, SHADED	2 STALLS
NON-SHADED	1 STALLS
VAN ACCESSIBLE, NON-SHADED	1 STALLS

LEGEND

(E) BUILDING/STRUCTURE TO REMAIN

PROPOSED BUILDING

EXISTING PROPERTY LINE

EXISTING 20' WIDE FIRE LANE

M BUILDING INDICATOR

S_M MEN'S RESTROOM

S_U ALL-GENDER STAFF RESTROOM

S_W WOMEN'S RESTROOM

ACCESSIBLE ENTRY POINT

ACCESSIBLE PATH OF TRAVEL
ACCESSIBLE ROUTE OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGE EXCEEDING ½" IF BEVELED AT 1:2 MAX SLOPE, OR VERTICAL LEVEL CHANGES NO EXCEEDING ¼" MAX AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM & SLIP RESISTANCE. CROSS SLOPE DOES NOT EXCEED 2% AN SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHER WISE INDICATED. ACCESSIBLE ROUTE OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80". ARCHITECT HAS VERIFIED THAT THAT ARE NO BARRIERS IN THE ROUTE OF TRAVEL.

DSA 810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages.

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply.

Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

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

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

PROJECT INFORMATION
School District/Owner: Pittsburg Unified School District
Project Name/School: Pittsburg Adult Education Center
Project Address: 1151 Stoneman Avenue, Pittsburg, CA 94565

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-121299 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 2/13/2024

PLUM architects
936 Clement St, San Francisco CA 94118
TEL: 415-837-0900

LICENSED ARCHITECT ROBERTA ANN PLUM C28322 Ren.06-30-25 STATE OF CALIFORNIA

Revisions	
DSA REGISTRATION	09/27/23
DSA OTC SUBMITTAL	01/19/24
DSA OTC BACKCHECK	01/30/24

Project 2314

Pittsburg Adult School: ESL Restroom Relocatable

1151 Stoneman Avenue
Pittsburg, CA 94565
Pittsburg Unified School District

Sheet

ACCESSIBILITY SITE PLAN

T3

Date
January 30, 2024

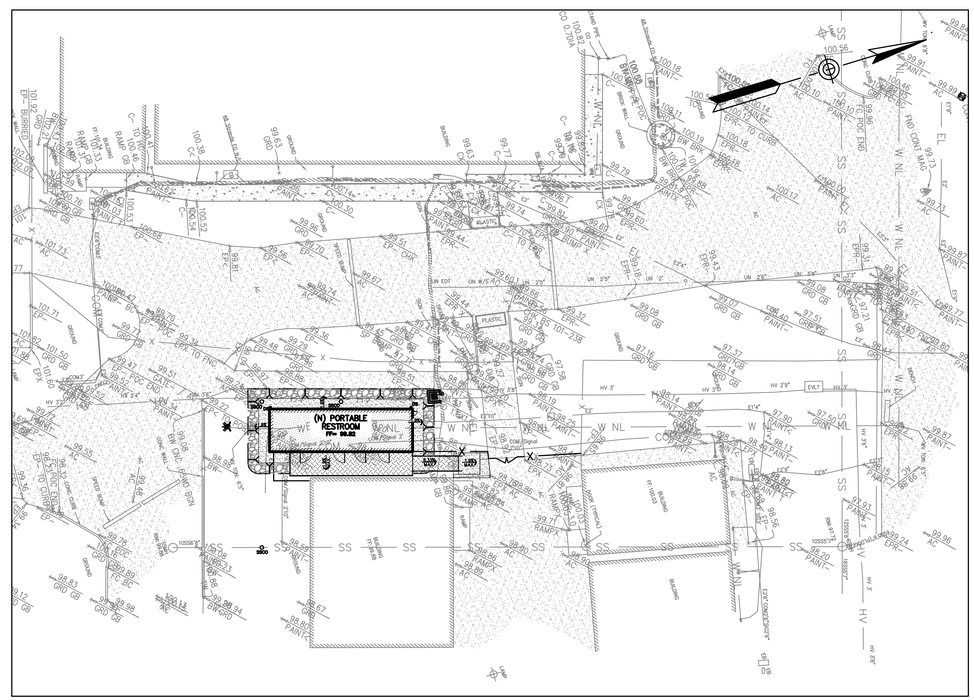
RESTROOM PORTABLE
PITTSBURG ADULT SCHOOL
1151 STONEMAN AVENUE
PITTSBURG, CALIFORNIA

LEGEND

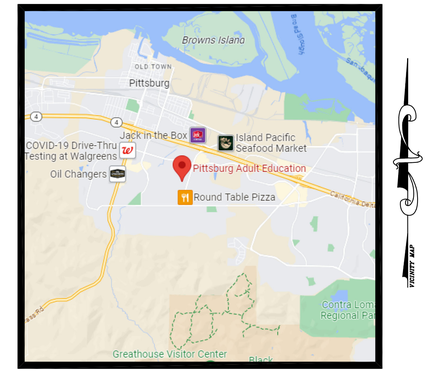
EXISTING	PROPOSED	DESCRIPTION
		BOUNDARY
		PROPERTY LINE
		RETAINING WALL
		LANDSCAPE RETAINING WALL
		SUBDRAIN LINE
		TIGHTLINE
SD	SD	STORM DRAIN LINE
SS	SS	SANITARY SEWER LINE
W	W	WATER LINE
G	G	GAS LINE
P	P	PRESSURE LINE
JT	JT	JOINT TRENCH
		SET BACK LINE
		CONCRETE VALLEY GUTTER
		SWALE FLOW DIRECTION
CB	CB	CATCH BASIN
JB	JB	JUNCTION BOX
AD	AD	AREA DRAIN
AD	AD	SQUARE AREA DRAIN
		CURB INLET
SDMH	SDMH	STORM DRAIN MANHOLE
		FIRE HYDRANT
SSMH	SSMH	SANITARY SEWER MANHOLE
222.57 INV	222.57 INV	STREET SIGN
		SPOT ELEVATION
		FLOW DIRECTION
	D	DEMOLISH/REMOVE
		BENCHMARK
200	200	CONTOURS
	XX" TREE	TREE TO BE REMOVED

ABBREVIATIONS

AB	AGGREGATE BASE	LF	LINEAL FEET
AC	ASPHALT CONCRETE	MAX	MAXIMUM
ACC	ACCESSIBLE	MH	MANHOLE
AD	AREA DRAIN	MIN	MINIMUM
BC	BEGINNING OF CURVE	MON.	MONUMENT
B & D	BEARING & DISTANCE	(N)	NEW
BM	BENCHMARK	NO.	NUMBER
BW/FG	BOTTOM OF WALL/FINISH GRADE	NTS	NOT TO SCALE
CB	CATCH BASIN	O.C.	ON CENTER
C & G	CURB AND GUTTER	O/	OVER
℄	CENTER LINE	OMC	OPTIMUM MOISTURE CONTENT
CPP	CORRUGATED PLASTIC PIPE (SMOOTH INTERIOR)	(PA)	PLANTING AREA
		PED	PEDESTRIAN
CO	CLEANOUT	PIV	POST INDICATOR VALVE
CONC	CONCRETE	PSS	PUBLIC SERVICES EASEMENT
CONST	CONSTRUCT or –TION	P	PROPERTY LINE
CONC COR	CONCRETE CORNER	PP	POWER POLE
CY	CUBIC YARD	PUC	PUBLIC UTILITY EASEMENT
D	DIAMETER	PVC	POLYVINYL CHLORIDE
DI	DROP INLET	R	RADIUS
DIP	DUCTILE IRON PIPE	RCP	REINFORCED CONCRETE PIPE
EA	EACH	RIM	RIM ELEVATION
EC	END OF CURVE	RW	RAINWATER
EG	EXISTING GRADE	R/W	RIGHT OF WAY
EL	ELEVATIONS	S	SLOPE
EP	EDGE OF PAVEMENT	S.A.D.	SEE ARCHITECTURAL DRAWINGS
EQ	EQUIPMENT	SAN	SANITARY
EW	EACH WAY	SD	STORM DRAIN
(E)	EXISTING	SDMH	STORM DRAIN MANHOLE
FC	FACE OF CURB	SHT	SHEET
FF	FINISHED FLOOR	S.L.D.	SEE LANDSCAPE DRAWINGS
FG	FINISHED GRADE	SPEC	SPECIFICATION
FH	FIRE HYDRANT	SS	SANITARY SEWER
FL	FLOW LINE	SSMH	SANITARY SEWER MANHOLE
FS	FINISHED SURFACE	ST.	STREET
G	GAS	STA	STATION
GA	GAGE OR GAUGE	STD	STANDARD
GB	GRADE BREAK	STRUCT	STRUCTURAL
HDPE	HIGH DENSITY CORRUGATED POLYETHYLENE PIPE	T	TELEPHONE
		TC	TOP OF CURB
HORIZ	HORIZONTAL	TEMP	TEMPORARY
HI PT	HIGH POINT	TP	TOP OF PAVEMENT
H&T	HUB & TACK	TW/FG	TOP OF WALL/FINISH GRADE
ID	INSIDE DIAMETER	TYP	TYPICAL
INV	INVERT ELEVATION	VC	VERTICAL CURVE
JB	JUNCTION BOX	VCP	VITRIFIED CLAY PIPE
JT	JOINT TRENCH	VERT	VERTICAL
JP	JOINT UTILITY POLE	W/	WITH
L	LENGTH	W, WL	WATER LINE
LNDG	LANDING	WM	WATER METER
		WWF	WELDED WIRE FABRIC



KEY MAP
1" = 20'



VICINITY MAP

NOTES:

1. ALL GENERAL NOTES, SHEET NOTES, AND LEGEND NOTES FOUND IN THESE DOCUMENTS SHALL APPLY. TYPICALLY THROUGHOUT IF INCONSISTENCIES ARE FOUND IN THE VARIOUS NOTATIONS, NOTIFY THE ENGINEER IMMEDIATELY IN WRITING REQUESTING CLARIFICATION.
2. THESE DRAWINGS AND THEIR CONTENT ARE AND SHALL REMAIN THE PROPERTY OF WILLIAM CLARK, P.E. INC. WHETHER THE PROJECT FOR WHICH THEY ARE PREPARED IS EXECUTED OR NOT. THEY ARE NOT TO BE USED BY ANY PERSONS ON OTHER PROJECTS OR EXTENSIONS OF THE PROJECT EXCEPT BY AGREEMENT IN WRITING AND WITH PPROPRIATE COMPENSATION TO THE ENGINEER.
3. ALL WORK SHALL COMPLY WITH APPLICABLE CODES AND TRADE STANDARDS WHICH GOVERN EACH PHASE OF WORK INCLUDING, BUT NOT LIMITED TO, CALIFORNIA MECHANICAL CODE, CALIFORNIA PLUMBING CODE, CALIFORNIA ELECTRICAL CODE, CALIFORNIA FIRE CODE, CALTRANS STANDARDS AND SPECIFICATIONS, AND ALL APPLICABLE STATE AND/OR LOCAL CODES AND/OR LEGISLATION.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND ALL SUBCONTRACTORS TO CHECK AND VERIFY ALL CONDITIONS, DIMENSIONS, LINES AND LEVELS INDICATED. PROPER FIT AND ATTACHMENT OF ALL PARTS IS REQUIRED. SHOULD THERE BE ANY DISCREPANCIES, IMMEDIATELY NOTIFY THE ENGINEER FOR CORRECTION OR ADJUSTMENT THE EVENTOF FAILURE TO DO SO, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTION OF ANY ERROR.
5. ALL DIMENSIONS AND CONDITIONS SHALL BE CHECKED AND VERIFIED ON THE JOB BY EACH SUBCONTRACTOR BEFORE HE/SHE BEGINS HIS/HER WORK. ANY ERRORS, OMISSION, OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER/CONTRACTOR BEFORE CONSTRUCTION BEGINS.
6. COMMENCEMENT OF WORK BY THE CONTRACTOR AND/OR ANY SUBCONTRACTOR SHALL INDICATE KNOWLEDGE AND ACCEPTANCE OF ALL CONDITIONS DESCRIBED IN THESE CONSTRUCTION DOCUMENTS, OR EXISTING ON SITE, WHICH COULD AFFECT THEIR WORK.
7. IF THE CONTRACTOR OBSERVES OR OTHERWISE BECOMES AWARE OF ANY FAULT OR DEFECT IN THE PROJECT OR NONCONFORMANCE WITH THE CONTRACT DOCUMENTS, PROMPT WRITTEN NOTICE THEREOF SHALL BE GIVEN BY THE CONTRACTOR TO THE ARCHITECT AND/OR ENGINEER.
8. THE ENGINEER SHALL NOT HAVE CONTROL OF OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
9. CONTRACTOR IS RESPONSIBLE FOR ALL IMPORT AND EXPORT QUANTITIES AND/OR DISPOSAL/IMPORT COSTS

SITE BENCHMARK:

SURVEY CONTROL
SET MAG NAIL
ELEVATION=100.00'
(ASSUMED DATUM)

1-800-227-2600 CALL BEFORE YOU DIG USA UNDERGROUND SERVICE ALERT

SHEET INDEX

C0.01	TITLE SHEET
C0.02	GRADING SPECIFICATIONS
C2.01	GRADING & DRAINAGE PLAN
C3.01	DETAILS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-121299 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 2/13/2024

PLUM | architects
936 Clement St, San Francisco CA 94118
TEL: 415-837-0900

REGISTERED PROFESSIONAL ENGINEER WILLIAM C. CLARK No. 65497 Exp. 09-30-25 CIVIL STATE OF CALIFORNIA

CLARK CIVIL JOB# 223052

CLARK CIVIL ENGINEERING INC.
DESIGN • CONSULTING • SURVEY
5500 Nicasio Valley Rd., Nicasio, CA 94946
PH: 415-295-4450

Revisions	
DSA REGISTRATION	09/27/23
DSA OTC SUBMITTAL	01/19/24

Project 2314
Pittsburg Adult School: ESL Restroom Relocatable

1151 Stoneman Avenue
Pittsburg, CA 94565
Pittsburg Unified School District

Sheet
TITLE SHEET

C0.01

Date
January 19, 2024

GENERAL SITE NOTES:

1. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING ON THIS WORK AND CONSIDER THE EXISTING CONDITIONS AND SITE CONSTRAINTS IN THE BID. CONTRACTOR SHALL BE IN THE POSSESSION OF AND FAMILIAR WITH ALL APPLICABLE GOVERNING AGENCIES STANDARD DETAILS AND SPECIFICATIONS PRIOR TO SUBMITTING OF A BID.
2. ALL WORK IN THE PUBLIC RIGHT-OF-WAY SHALL CONFORM TO ALL APPLICABLE GOVERNING AGENCIES STANDARD DETAILS & SPECIFICATIONS.
3. PRIOR TO BEGINNING WORK, AND AFTER INITIAL HORIZONTAL CONTROL STAKING, CONTRACTOR SHALL FIELD CHECK ALL ELEVATIONS MARKED WITH (E) AND REPORT ANY DISCREPANCIES GREATER THAN 0.05' TO OWNER'S PROJECT MANAGER AND CIVIL ENGINEER.
4. DAMAGE TO ANY EXISTING SITE IMPROVEMENTS, UTILITIES AND/OR SERVICES TO REMAIN SHALL BE RESPONSIBLE OF THE CONTRACTOR. CONTRACTOR SHALL REPAIR AND/OR REPLACE IN KIND.
5. CONTRACTOR SHALL REPLACE ALL STRUCTURES AND GRATE LIDS FOR VAULTS, CATCH BASINS, ETC.., WITH VEHICULAR-RATED STRUCTURES IN ALL TRAFFIC ACCESSIBLE AREAS.
6. THE CONTRACTOR SHALL ADJUST TO FINAL GRADE ALL EXISTING AND/OR NEW MANHOLES, CURB INLETS, CATCH BASIN, VALVES, MONUMENT COVERS, AND OTHER CASTINGS WITHIN THE WORK AREA TO FINAL GRADE IN PAVEMENT AND LANDSCAPE AREAS UNLESS NOTED OTHERWISE.
7. CONTRACTOR AGREES THAT HE 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 NOT TO BE LIMITED TO NORMAL WORKING HOURS AND THAT THE CONTRACTOR SHALL DEFEND INDEMNIFY AND HOLD THE OWNER, THE CONSULTING ENGINEER AND THE CITY 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 THE CONSULTING ENGINEER.
8. EXISTING PEDESTRIAN WALKWAYS. BIKE PATHS AND ACCESSIBLE PATHWAYS SHALL BE MAINTAINED, WHERE FEASIBLE, DURING CONSTRUCTION.
9. IF A CONFLICT ARISES BETWEEN THE SPECIFICATIONS AND THE PLANS NOTES, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.
10. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT BY BAGG ENGINEERS. PROJECT NO. FUHSD-0904B, DATED JANUARY 23, 2012.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY REQUIRED PERMITS AND COSTS ASSOCIATED WITH SAID PERMITS

TREE/PLANT PROTECTION NOTES:

1. PRIOR TO BEGINNING CONSTRUCTION ON SITE, CONTRACTOR SHALL IDENTIFY, CONFIRM WITH OWNER AND PROTECT EXISTING TREES AND PLANTS DESIGNED AS TO REMAIN.
2. PROVIDE 6 FOOT TALL TREE PROTECTION FENCE WITH DISTINCTIVE MARKING VISIBLE TO CONSTRUCTION EQUIPMENT, ENCLOSING DRIP LINES OF TREES DESIGNED TO REMAIN.
3. WORK REQUIRED WITHIN FENCE LINE SHALL BE HELD TO A MINIMUM, AVOID UNNECESSARY MOVEMENT OF HEAVY EQUIPMENT WITHIN FENCED AREA AND DO NOT PARK ANY VEHICLES UNDER DRIP LINE OR TREES. DO NOT STORE EQUIPMENT OR MATERIALS WITHIN FENCE LINE.
4. PRIOR TO REMOVING ROOTS AND BRANCHES LARGER THAN 2" IN DIAMETER OF TREES OR PLANTS THAT ARE TO REMAIN, CONSULT WITH THE OWNER'S PROJECT MANAGER.
5. ANY GRADE CHANGES GREATER THAN 6" WITHIN THE DRIPLINE OF EXISTING TREES SHALL NOT BE MADE WITHOUT FIRST CONSULTING THE ARCHITECT / CIVIL ENGINEER.
6. PROTECT EXISTING TREES TO REMAIN FROM SPILLED CHEMICALS, FUEL OIL, MOTOR OIL, GASOLINE AND ALL OTHER CHEMICALLY INJURIOUS MATERIALS; AS WELL AS FROM PADDLING OR CONTINUOUSLY RUNNING WATER. SHOULD A SPILL OCCUR, STOP WORK IN THAT AREA AND CONTACT THE INSPECTOR IMMEDIATELY. CONTRACTOR SHALL BE RESPONSIBLE TO MITIGATE DAMAGE FROM SPILLED MATERIAL AS WELL AS MATERIAL CLEAN UP.
7. PROVIDE TEMPORARY IRRIGATION TO ALL TREES AND PLANTS THAT ARE IN OR ADJACENT TO CONSTRUCTION AREAS WHERE EXISTING IRRIGATION SYSTEMS MAY BE AFFECTED BY THE CONSTRUCTION. ALSO PROVIDE TEMPORARY IRRIGATION TO RELOCATE TREES.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR ONGOING MAINTENANCE OF ALL TREES AND PLANTS DESIGNED TO REMAIN AND FOR MAINTENANCE OF RELOCATED TREES STOCKPILED DURING CONSTRUCTION. CONTRACTOR WILL BE REQUIRED TO REPLACE TREES OR PLANTS THAT DIE DUE TO LACK OF MAINTENANCE.
9. TREE PROTECTION ZONES NEED TO BE SET UP WITH FENCING AROUND TREES TO A MINIMUM DISTANCE OF 10 FEET FROM THE BUTTRESS FLAIR. NO EQUIPMENT, MATERIALS STORAGE, OR DIGGING IS ALLOWED WITHIN THE TREE PROTECTION ZONE WITHOUT WRITTEN AUTHORIZATION FROM THE PROJECT ARBOHIST, ARBOHIST SUPERVISOR OR AUTHORIZED DESIGNATE. ANY AUTHORIZED DIGGING WITHIN THE TREE PROTECTION ZONE MUST BE DONE BY HAND; I.E. PICK AND SHOVEL: CARE MUST BE TAKEN TO AVOID SEVERING ANY STRUCTURAL ROOTS. ANY ROOTS GREATER THAN 2" IN DIAMETER INCIDENTALLY SEVERED, WHETHER INSIDE OR OUTSIDE OF THE TREE PROTECTION ZONE, WILL NEED TO BE BROUGHT TO THE ATTENTION OF AND INSPECTED BY THE PROJECT ARBOHIST, ARBOHIST SUPERVISOR OR AUTHORIZED DESIGNATE; WHO WILL EVALUATE THE TREE IN QUESTION FOR IMPACTS TO BOTH LONG TERM HEALTH AND STABILITY. ANY ROOT SEVERANCE CONCLUDED TO COMPROMISE TREE STABILITY/SAFETY MAY RESULT IN TREE REMOVAL. ANY COSTS RESULTING FROM TREE REMOVALS WILL BE CHARGED TO THE PROJECT IN QUESTION. ANY COSTS FROM TREE REMOVALS RESULTING FROM VIOLATIONS OF THE COUNTY CODES WILL BE ABSORBED BY THE CONTRACTOR UP TO AND INCLUDING ANY FINES LEVIED BY THE COUNTY.

SITE MAINTENANCE:

1. REMOVE ALL DIRT, GRAVEL, RUBBISH, REFUSE, AND GREEN WASTE FROM STREET PAVEMENT AND STORM DRAINS ADJOINING THE SITE. LIMIT CONSTRUCTION ACCESS ROUTES ONTO THE SITE AND PLACE GRAVEL PADS AT THESE LOCATIONS. DO NOT DRIVE VEHICLES AND EQUIPMENT OFF THE PAVED OR GRAVELED AREAS DURING WET WEATHER.
2. SWEEP OR VACUUM THE STREET PAVEMENT AND SIDEWALKS ADJOINING THE PROJECT SITE AND THE ON-SITE PAVED AREAS ON A DAILY BASIS. SCRAPE CAKED-ON MUD AND DIRT FROM THESE AREAS BEFORE SWEEPING. CORNERS AND HARD TO REACH AREAS SHALL BE SWEPT MANUALLY.
3. CONTRACTOR SHALL: GATHER ALL CONSTRUCTION DEBRIS ON A REGULAR BASIS AND PLACE IT IN A DUMPSTER OR OTHER CONTAINER WHICH IS EMPTIED OR REMOVED ON A REGULAR BASIS. WHEN APPROPRIATE, USE TARPS ON THE GROUND TO COLLECT FALLEN DEBRIS OR SPLATTERS THAT COULD CONTRIBUTE TO STORM WATER RUNOFF POLLUTION.
4. IF THE STREET, SIDEWALKS AND/OR PARKING LOT ARE PRESSURE WASHED, DEBRIS MUST BE TRAPPED AND COLLECTED TO PREVENT ENTRY INTO THE STORM DRAIN SYSTEM. NO CLEANING AGENT MAY BE DISCHARGED INTO THE STORM DRAIN. IF ANY CLEANING AGENT OR DEGREASER IS USED, WASHED WATER MUST BE COLLECTED AND DISCHARGED TO THE SANITARY SEWER, SUBJECT TO THE APPROVAL OF THE OWNER'S PROJECT MANAGER, OR OTHERWISE DISPOSED OF THROUGH APPROVED DISPOSAL METHODS.
5. CREATE A CONTAINED AND COVERED AREA ON THE SITE FOR THE STORAGE OF BAGS, CEMENT, PAINTS, OILS, FERTILIZERS, PESTICIDES, OR OTHER MATERIAL USED ON THE SITE THAT HAVE THE POTENTIAL OF BEING WIND-BLOWN OR IN THE EVENT OF A MATERIAL SPILL.
6. NEVER CLEAN MACHINERY, EQUIPMENT OR TOOLS INTO A STREET, GUTTER OR STORM DRAIN.
7. ENSURE THAT CEMENT TRUCKS, PAINTERS, OR STUCCO/PLASTER FINISHING CONTRACTORS DO NOT DISCHARGE WASH WATER FROM EQUIPMENT, TOOLS OR RINSE CONTAINERS INTO GUTTERS OR DRAINS.
8. THE ON-SITE STORM DRAIN FACILITIES SHALL BE CLEANED A MINIMUM OF TWICE A YEAR AS FOLLOWS: IMMEDIATELY PRIOR TO OCTOBER 15TH AND ONCE IN JANUARY. ADDITIONAL CLEANING MAY BE REQUIRED IF FOUND NECESSARY BY THE INSPECTOR. CONTRACTOR SHALL BE RESPONSIBLE FOR COST ASSOCIATED WITH CLEANING.
9. PREVENT DUST FROM LEAVING THE SITE AND ACCUMULATING ON ADJACENT AREAS AS REQUIRED IN THE DUST CONTROL NOTES ON THIS SHEET.
10. PREVENT SEDIMENT LADEN STORM RUN-OFF FROM LEAVING THE SITE OR ENTERING STORM DRAIN OR SANITARY SEWER SYSTEMS AS REQUIRED IN THE EROSION AND SEDIMENTATION CONTROL NOTES ON THIS SHEET.
11. MAINTAIN EXISTING TREES AND PLANTS THAT ARE TO REMAIN AS REQUIRED BY THE TREE AND PLANT PROTECTION NOTES ON THE SHEET.

STORM DRAIN NOTES:

1. ALL STORM DRAIN PIPE SHALL BE PVC PER SECTION 02720, SLOPED AT 2% UNLESS OTHERWISE SPECIFIED ON THE PLANS. PIPE SHALL BE SIZED AS SPECIFIED ON THE PLANS. ALL DIRECTION CHANGES SHALL BE MADE WITH A Y CONNECTION OR LONG SWEEP ELBOWS, REGULAR ELBOWS, AND TEE'S SHOULD BE AVOIDED.
2. USE DETECTABLE METALIZED WARNING TAPE APPROXIMATE 6" BELOW THE SURFACE. TAPE SHALL BE A BRIGHT COLOR AND IMPRINTED WITH "CAUTION- STORM DRAIN LINE BELOW", CALPICO TYPE 2 OR EQUAL.
3. PAINT THE TOP OF THE CURBS ADJACENT TO EACH CATCH BASIN INSTALLED UNDER THE WORK OR ADJACENT TO THIS SITE WITH THE WORDS "NO DUMPING". WORDING TO BE BLUE 4" HIGH LETTERS ON A PAINTED WHITE BACKGROUND. A " NO DUMPING"
4. ALL AREA DRAINS AND CATCH BASINS GRATES WITHIN PEDESTRIAN ACCESSIBLE AREAS SHALL MEET ADA REQUIREMENTS AND HAVE BOLT DOWN GRATES.
5. ALL TRENCHES SHALL BE BACKFILLED PER THE SPECIFICATIONS WITH APPROPRIATE TEST BY THE GEOTECHNICAL ENGINEER TO VERIFY COMPACTION VALUES.
6. FOR GRAVITY FLOW SYSTEMS CONTRACTOR SHALL VERIFY (POTHOLE IF NECESSARY) SIZE, MATERIAL, LOCATION AND DEPTH OF ALL SYSTEMS THAT ARE TO BE CONNECTED TO OR CROSSED PRIOR TO TRENCH OR INSTALLATION OF ANY GRAVITY FLOW SYSTEM.
7. COMPLETE SYSTEMS; ALL UTILITY SYSTEMS ARE DELINEATED IN SCHEMATIC MANNER ON THESE PLANS. CONTRACTOR IS TO PROVIDE ALL FITTINGS, ACCESSORIES, AND WORK NECESSARY TO COMPLETE THE UTILITY SYSTEM SO THAT IT IS FULLY FUNCTIONING FOR THE PURPOSE INTENDED.

DEMOLITION NOTES:

1. CONTRACTOR IS TO COMPLY WITH ALL GENERAL AND STATE REQUIREMENTS INVOLVING THE REMOVAL AND DISPOSAL OF HAZARDOUS MATERIAL(S).
2. THE CONTRACTOR SHALL LOCATE AND CLEARLY MARK (AND THEN PRESERVE THESE MARKERS) FOR THE DURATION OF CONSTRUCTION OF ALL TELEPHONE, DATA, STREET LIGHT, SIGNAL LIGHT AND POWER FACILITIES THAT ARE IN OR NEAR THE AREA OF CONSTRUCTION.
3. CONTRACTOR'S BID IS TO INCLUDE ALL VISIBLE SURFACE AND ALL SUBSURFACE FEATURES IDENTIFIED TO BE REMOVED OR ABANDONED IN THESE DOCUMENTS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR A SITE INSPECTION TO FULLY ACKNOWLEDGE THE EXTENT OF THE DEMOLITION WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL PERMITS NECESSARY FOR ENCROACHMENT, GRADING, DEMOLITION, AND STATE JURISDICTIONS. THE CONTRACTOR SHALL PAY ALL FEES ASSOCIATED CONTRACTOR SHALL PAY DISPOSAL FEES.
6. CONTRACTOR SHALL PAY DISPOSAL FEES.
7. BACKFILL ALL DEPRESSIONS AND TRENCHES FROM DEMOLITION OF FOUNDATIONS & UTILITIES TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER.
8. WITHIN LIMITS OF WORK, REMOVE CURBS, GUTTERS, LANDSCAPING, SIGNAGE, TREES, SCRUBS, ASPHALT, UNDERGROUND PIPES, ETC. AS INDICATED ON THE PLANS AND SPECS.
9. REMOVAL OF LANDSCAPING SHALL INCLUDE ROOTS AND ORGANIC MATERIALS TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER.
10. PRIOR TO BEGINNING DEMOLITION WORK ACTIVITIES, CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES OUTLINED IN THE EROSION PLAN & DETAILS.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING ALL DEMOLITION MATERIALS, OR STORING SELECTED ITEMS BY OWNER'S REPRESENTATIVE AT DESIGNATED LOCATIONS.
12. THE CONTRACTOR SHALL MAINTAIN ALL SAFETY DEVICES, AND SHALL BE RESPONSIBLE FOR CONFORMANCE TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS LAWS AND REGULATIONS.
13. THE CONTRACTOR SHALL PROTECT FROM DAMAGE ALL EXISTING IMPROVEMENTS FACILITIES AND STRUCTURES WHICH ARE TO REMAIN. ANY ITEMS DAMAGED BY THE CONTRACTOR OR HIS AGENTS OF ANY ITEMS REMOVED FOR HIS USE SHALL BE REPLACED IN EQUAL OR BETTER CONDITION AS APPROVED BY THE ARCHITECT OR OWNER'S REPRESENTATIVE.
14. COORDINATE WITH ELECTRICAL, MECHANICAL, FIRE PROTECTION AND ARCHITECTURAL DRAWINGS FOR UTILITY SHUT-DOWN / DISCONNECT LOCATIONS. CONTRACTOR IS TO SHUT OFF ALL UTILITIES AS NECESSARY PRIOR TO DEMOLITION. CONTRACTOR IS TO COORDINATE SERVICE INTERRUPTIONS WITH THE OWNER. DO NOT INTERRUPT SERVICES ADJACENT OFF-SITE OWNERS. ALSO SEE ARCHITECTURAL PLANS FOR ADDITIONAL DEMOLITION SCOPE OF WORK.
15. DEMOLITION INCLUDES REMOVAL OF ALL ITEMS ASSOCIATED WITH THE UTILITIES AND SHALL INCLUDE PREPARING THE SITE FOR NEW UTILITIES, BUILDINGS, RETAINING WALLS, ETC.
16. ALL MATERIALS TO BE DEMOLISHED AND REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LAWFULLY DISPOSED OF OFF-SITE.
17. THE PLAN IS NOT INTENDED TO BE A COMPLETE CATALOGUE OF ALL EXISTING STRUCTURES AND UTILITIES. THIS PLAN INTENDS TO DISCLOSE GENERAL INFORMATION KNOWN BY THE ENGINEER AND TO SHOW THE LIMITS OF THE AREA WHERE WORK WILL BE PERFORMED. THIS PLAN SHOWS THE EXISTING FEATURES TAKEN FROM A FIELD SURVEY, FIELD INVESTIGATIONS AND AVAILABLE INFORMATION. THIS PLAN MAY OR MAY NOT ACCURATELY REFLECT THE TYPE OR EXTENT OF THE ITEMS TO BE ENCOUNTERED AS THEY ACTUALLY EXIST. WHERE EXISTING FEATURES ARE NOT SHOWN, IT IS IMPLIED THAT THEY ARE NOT TO BE DEMOLISHED OR REMOVED. THE CONTRACTOR SHALL PERFORM A THOROUGH FIELD INVESTIGATION AND REVIEW OF THE SITE WITHIN THE LIMIT OF WORK SHOWN IN THIS PLAN SET TO DETERMINE THE TYPE, QUANTITY AND EXTENT OF ANY AND ALL ITEMS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DETERMINING THE EXTENT OF EXISTING STRUCTURES AND UTILITIES AND QUANTITY OR WORK INVOLVED IN REMOVING THESE ITEMS FROM THE SITE.

WATER SYSTEM NOTES:

1. WHERE WATER LINES HAVE TO CROSS SANITARY SEWER LINES, DO SO AT A 90 DEGREE ANGLE AND WATER LINES SHALL BE MINIMUM OF 12" ABOVE THE TOP OF THE SANITARY SEWER LINES.
2. WATER LINES ARE SHOWN SCHEMATICALLY; CONTRACTOR SHALL IDENTIFY EACH ANGLE AND/ OR BEND THAT MAY BE REQUIRED TO ACCOMPLISH THE INTENDED DESIGN.
3. USE DETECTABLE METALIZED WARNING TAPE APPROXIMATELY 6" BELOW THE SURFACE, TAPE SHALL BE A BRIGHT COLOR AND IMPRINTED WITH "CAUTION-WATER LINE BELOW", CALPICO TYPE 2 OR EQUAL.
4. ALL WATER SERVICE CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY/TOWN OR APPLICABLE WATER DISTRICT STANDARDS.
5. PUBLIC AND PRIVATE WATER MAIN AND WATER SERVICE LINE 4-INCH THROUGH 12-INCH SHALL BE POLYVINYL CHLORIDE (PVC) AND SHALL MEET AWWA C900, RATED FOR 200 PSI CLASS PIPE WITH EPOXY COATED DUCTILE IRON FITTINGS AND FUSION EPOXY COATED GATE VALVES. ALL JOINTS SHALL FACTORY MANUFACTURED WITH BELL AND SPIGOT ENDS AND RUBBER GASKETS. NONMETALLIC WATER LINES HAVE TRACER WIRE INSTALLED.
6. CONNECTION TO THE EXISTING WATER MAIN SHALL BE APPROVED BY WATER COMPANY. THE DISTRICT SHALL PAY THE ACTUAL COSTS OF CONSTRUCTION. THE CONTRACTOR SHALL PERFORM ALL EXCAVATION PREPARE THE SITE, FURNISH ALL MATERIALS, INSTALL TAPPING TEE VALVE AND ALL THRUST BLOCKS. BACKFILL, RESTORE THE SURFACE, AND CLEANUP. ALL WET TAPS HALL BE APPROVED BY CALIFORNIA WATER COMPANY (CALWATER). NONMETALLIC WATER LINES SHALL HAVE TRACER WIRES INSTALLED.
7. ALL WATER LINES SHALL BE INSTALLED WITH 3' MINIMUM COVER.
8. ALL WATER VALVES SHALL BE PER CITY STANDARD.
9. ALL TEMPORARY AND/OR PERMANENT AIR-RELEASE AND BLOW-OFF VALVES SHALL BE PER CITY STANDARD AND AS DIRECTED BY THE CITY ENGINEER.
10. CONCRETE THRUST BLOCKS SHALL BE INSTALLED AT ALL TEES, CROSSINGS, BENDS (HORIZONTAL AND VERTICAL), AT SIZE CHANGES AND AT FIRE HYDRANTS PER CITY STANDARD. AWWA C600, SECTION 3.8 UNLESS NOTED OTHERWISE.
11. MECHANICALLY RESTRAINED JOINTS SHALL BE INSTALLED AT VERTICAL BENDS IN ACCORDANCE WITH CITY STANDARDS AND AS APPROVED BY THE CITY ENGINEER.
12. ALL WATER VALVES SHALL BE CLUSTERED, UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.

SANITARY SEWER NOTES:

1. INSTALL DETECTABLE METALIZED WARNING TAPE APPROXIMATELY 6"-12" BELOW THE SERVICE IN NON-PAVED AREAS, AND AT THE BOTTOM OF BASEROCK FOR PAVED AREAS. GREEN IMPRINTED WITH "CAUTION- SANITARY SEWER LINE BELOW", CALPICO TYPE 2 OR EQUAL.
2. ALL SEWER WORK SHALL BE IN CONFORMANCE WITH THE CITY/TOWN OR APPROPRIATE SANITARY SEWER DISTRICT.
3. PUBLIC AND PRIVATE SANITARY SEWER MAIN AND SERVICE LINE 4-INCH THROUGH 8-INCH SHALL BE POLYVINYL CHLORIDE (PVC) SDR 26 GREEN SEWER PIPE AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM DESIGNATION D 3034-73 WITH GLUED JOINTS.

SITE FENCING NOTES:

1. CONTRACTOR SHALL PROVIDE A CONSTRUCTION FENCE AROUND THE ENTIRE AREA OF DEMOLITION AND CONSTRUCTION, INCLUDING ALL STAGING, STORAGE, CONSTRUCTION OFFICE AND LAYDOWN AREAS.
2. FENCE LOCATION MAY BE ADJUSTED FROM TIME TO TIME AS CONSTRUCTION PROCEEDS TO EXCLUDE SOME AREAS WHERE CONSTRUCTION WORK IS NOT BEING DONE AND THE AREA IS NOT OBJECTIONABLE IN VISUAL APPEARANCE, AT THE DISCRETION AND APPROVAL OF THE DISTRICT STAFF.
3. CONSTRUCTION FENCE SHALL BE A MINIMUM OF A 6' HIGH GALVANIZED CHAIN LINK FENCE WITH GREEN WINDSCREEN FABRIC ON THE OUTSIDE OF THE FENCE.
4. CONTRACTOR SHALL REPLACE THE GREEN FABRIC AT LEAST ONCE A YEAR OR AT SUCH A TIME AS IT BECOMES TATTERED AND UNSIGHTLY DUE TO WIND OR CONSTRUCTION ACTIVITIES.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-121299 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 2/13/2024

PLUM | architects
936 Clement St, San Francisco CA 94118
TEL: 415-837-0900

REGISTERED PROFESSIONAL ENGINEER
WILLIAM C. CLARK
No. 65497
Exp. 09-30-25
CIVIL
STATE OF CALIFORNIA

CLARK CIVIL JOB# 223052
CLARK CIVIL ENGINEERING INC.
DESIGN • CONSULTING • SURVEY
5500 Nicasio Valley Rd., Nicasio, CA 94946
PH: 415-295-4450

	Revisions
DSA REGISTRATION	09/27/23
DSA OTC SUBMITTAL	01/19/24

Project 2314

Pittsburg Adult School: ESL Restroom Relocatable

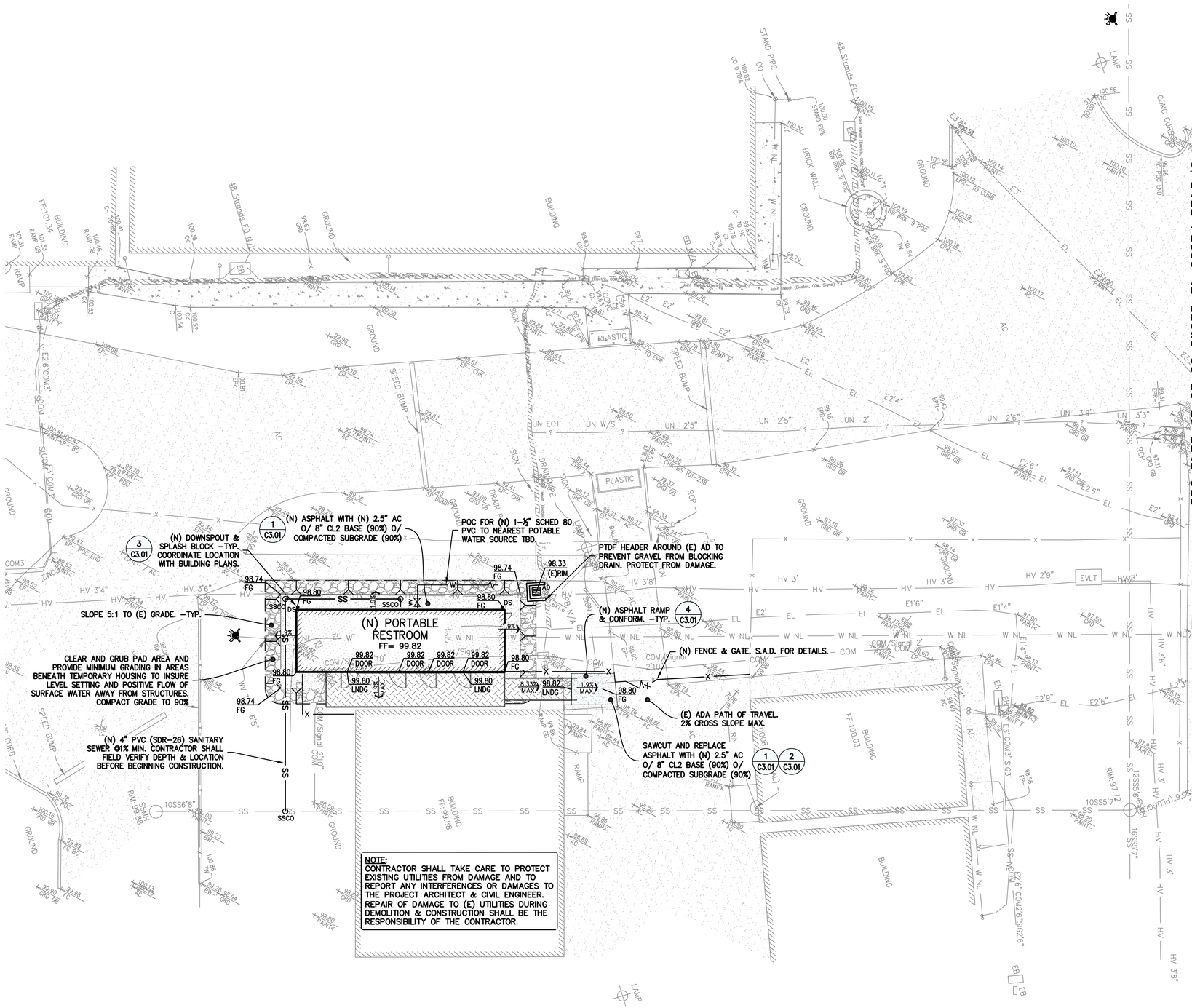
1151 Stoneman Avenue
Pittsburg, CA 94565
Pittsburg Unified School District

Sheet

GRADING SPECIFICATIONS

C0.2

Date
January 19, 2024



0 5 10 20

SCALE: 1" = 10'

GRADING NOTES:

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY, LOCATE AND PROTECT ALL UNDERGROUND FACILITIES. UNDERGROUND FACILITIES DAMAGED DURING GRADING SHALL BE REPAIRED AND/OR REPLACED TO LIKE NEW CONDITION AT NO ADDITIONAL COST TO CONTRACT. REFER TO TOPOGRAPHIC SURVEY AND UTILITY SURVEY FOR ADDITIONAL INFORMATION.

THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHT–OF–WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.

ALL GRADING SHALL BE PERFORMED IN SUCH A MANNER AS TO COMPLY WITH THE STANDARDS ESTABLISHED BY THE AIR QUALITY MANAGEMENT DISTRICT FOR AIRBORNE PARTICULATES.

IN THE EVENT THAT HUMAN REMAINS AND/OR CULTURAL MATERIALS ARE FOUND, ALL PROJECT–RELATED CONSTRUCTION SHOULD CEASE WITHIN A 100–FOOT RADIUS. THE CONTRACTOR SHALL, PURSUANT TO SECTION 7050.5 OF THE HEALTH AND SAFETY CODE, AND SECTION 5097.94 OF THE PUBLIC RESOURCES CODE OF THE STATE OF CALIFORNIA, NOTIFY THE CORONER IMMEDIATELY.

CONTRACTOR VERIFY EXISTING UTILITY STUB LOCATIONS AND DEPTHS PRIOR TO COMMENCING CONSTRUCTION.

FINISHED GRADES SHALL BE SLOPED TOWARD INLETS OR POSITIVE RELEASE AT 0.5% MIN. FOR CONCRETE AND 1% MIN FOR ASPHALT AREAS.

REFER TO ARCHITECTURAL AND/OR LANDSCAPE PLANS FOR ADDITIONAL INFORMATION ON FLAT WORK, PAVING TYPE AND SCORING.

REFER TO ARCHITECTURAL PLANS FOR ACCESSIBLE PATH OF TRAVEL. GRADES SHALL BE DONE PER FEDERAL AND STATE ACCESSIBILITY REQUIREMENTS. IF CONTRACTOR BECOMES AWARE OF GRADES THAT ARE NOT CONFORMING TO ACCESSIBILITY REQUIREMENTS, HE SHALL BRING THIS TO THE ATTENTION OF THE ARCHITECT AND THE ENGINEER.

CUT AND FILL SLOPES AND GRADING TRANSITIONS AT THE OUTER EDGES OF THE PROPOSED IMPROVEMENTS ARE TO BE CONSTRUCTED AT THREE HORIZONTAL TO ONE VERTICAL (3:1) UNLESS OTHERWISE NOTED.

UTILITY NOTES:

STORM DRAIN PIPING SHALL BE PVC SDR–35 OR BETTER OR DOUBLE WALLED HDPE PIPING ADS N–12 OR APPROVED EQUAL. 6" MIN U.O.N.

CONTRACTOR SHALL VERIFY BUILDING CONNECTIONS AND ELEVATION. THIS INCLUDES RAIN WATER LEADER, SEWER CONNECTION AND WATER CONNECTION. NOTIFY ENGINEER OF ANY CONFLICTS.

DIMENSIONED & PIPE LENGTHS SHOWN ARE NOT MEANT TO PROVIDE BID QUANTITIES FOR CONTRACTOR, SHOWN FOR INFORMATIONAL PURPOSES ONLY.

ALL BUILDING POINTS OF CONNECTION SHALL BE VERIFIED WITH BUILDING PLUMBING DRAWING. NOTIFY ENGINEER OF ANY CONFLICT.

CONTRACTOR SHALL VERIFY EXISTING GRADES FOR ACCURACY PRIOR TO THE STARTING OF GRADING. NOTIFY THE ENGINEER IMMEDIATELY SHOULD CONFLICTS ARISE AND REDIRECT WORK TO AVOID DELAY.

THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES STRUCTURES AND SERVICES SHOWN IN THE CONTRACT DOCUMENTS SHALL BE DEEMED TO BE APPROXIMATIONS ONLY. ALL DISCREPANCIES BETWEEN WHAT IS SHOWN AND THE ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE DISTRICT REPRESENTATIVE. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) AT (800) 227–2600 PRIOR TO ANY DEMOLITION OR EXCAVATION. UPON COMPLETION OF USA MARKING OPERATIONS, CONTRACTOR SHALL RECORD ALL UTILITY MARKINGS ON A SEPARATE SET OF DRAWINGS. THIS SET SHALL BE KEPT ON–SITE FOR REFERENCE FOR DURATION OF CONTRACT.

PROPOSED GRADES SHALL MEET EXISTING GRADES WITH A SMOOTH AND CONTINUOUS TRANSITION SO AS TO AVOID TRAPPING WATER. CONTRACTOR SHALL NOTIFY DISTRICT REPRESENTATIVE IF PUDDLING IS SUSPECTED AND REDIRECT WORK SO AS TO AVOID DELAY WHILE AWAITING RESPONSE.

ALL EXISTING DRAINAGE STRUCTURES, BOXES, UTILITY VAULTS ETC. SHALL BE BROUGHT TO FINAL FINISH GRADE PRIOR TO FINAL SURFACE TREATMENT, UNLESS NOTED OTHERWISE.

COORDINATE ALL EXISTING AND PROPOSED DRAINAGE SLEEVES, AND UTILITY LOCATIONS AS SHOWN ON THE PLANS AND DETAILS CONTAINED WITHIN THESE CONTRACT DOCUMENTS.

THE CONTRACTOR IS TO ENSURE THAT ALL REMAINING ACTIVE AND NEW DRAINAGE AND UTILITY LINES ARE PROTECTED AND UNDAMAGED FROM TRENCHING AND FOOTING EXCAVATIONS FOR NEW FOOTINGS, PARTICULARLY FOR NEW FENCING AND WALLS.

CONTRACTOR IS TO ENSURE THAT ALL AREAS ARE GRADED TO PROVIDE POSITIVE DRAINAGE TO IDENTIFIED EXISTING AND PROPOSED DRAIN INLETS.

AREAS OF TRENCHING SHALL BE PATCHED TO MATCH EXISTING CONDITIONS TO LIKE NEW CONDITIONS, INCLUDING BUT NOT LIMITED TO SOD, CONCRETE AND ASPHALT

LEGEND

- ASPHALT PAVING
- CONCRETE PAVING
- GRAVEL PAD
- PORTABLE RAMP
- BUILDING

NOTE:
PRIOR TO BEGINNING WORK AND AFTER INITIAL HORIZONTAL CONTROL STAKING, CONTRACTOR SHALL FIELD CHECK ALL ELEVATIONS MARKED WITH (E) AND REPORT ANY DISCREPANCIES TO THE CIVIL ENGINEER AND ARCHITECT.

NOTE:
CONTRACTOR SHALL TAKE CARE TO ESTABLISH GRADES AS SHOWN TO ALLOW FOR POSITIVE DRAINAGE FLOW OF RUNOFF.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-121299 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 2/13/2024

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REGISTERED PROFESSIONAL ENGINEER
WILLIAM C. CLARK
No. 65497
Exp. 09-30-25
CIVIL
STATE OF CALIFORNIA

CLARK CIVIL JOB# 223052

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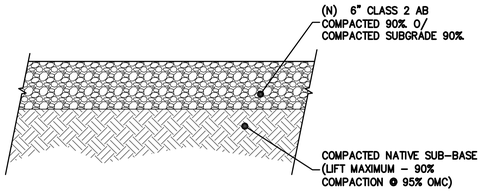
GRADING & DRAINAGE PLAN

C2.01

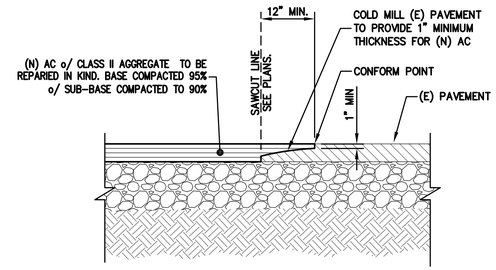
Date
January 19, 2024



1 C3.01 **AGGERGATE BASE PAD SECTION**

NTS

NOTE:
PAVEMENT SECTION PER GEOTECHNICAL REPORT.

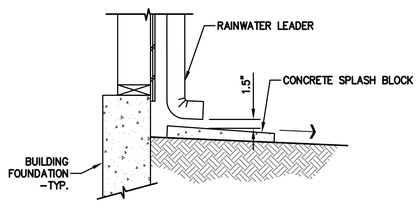


NOTES:

1. TIE-IN PAVEMENT SECTION AS SHOWN ON PLANS.
2. TIE-IN OF ASPHALT CONCRETE SHALL EXTEND TO AT LEAST THE BOTTOM OF EXISTING ASPHALT CONCRETE.

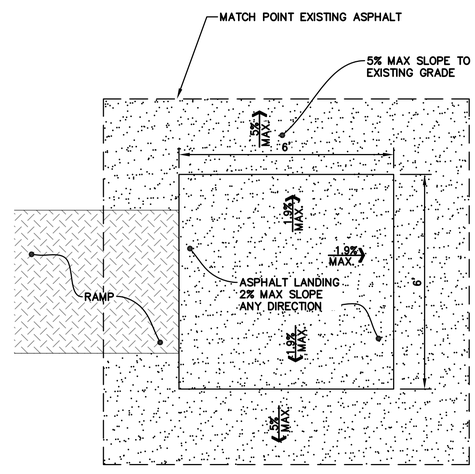
2 C3.01 **PAVEMENT TIE-IN**

NTS



3 C3.01 **RAIN WATER LEADER TO CONCRETE SPLASH BLOCK**

NTS



4 C3.01 **ASPHALT RAMP LANDING AND CONFORM**

NTS

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DETAILS

C3.01

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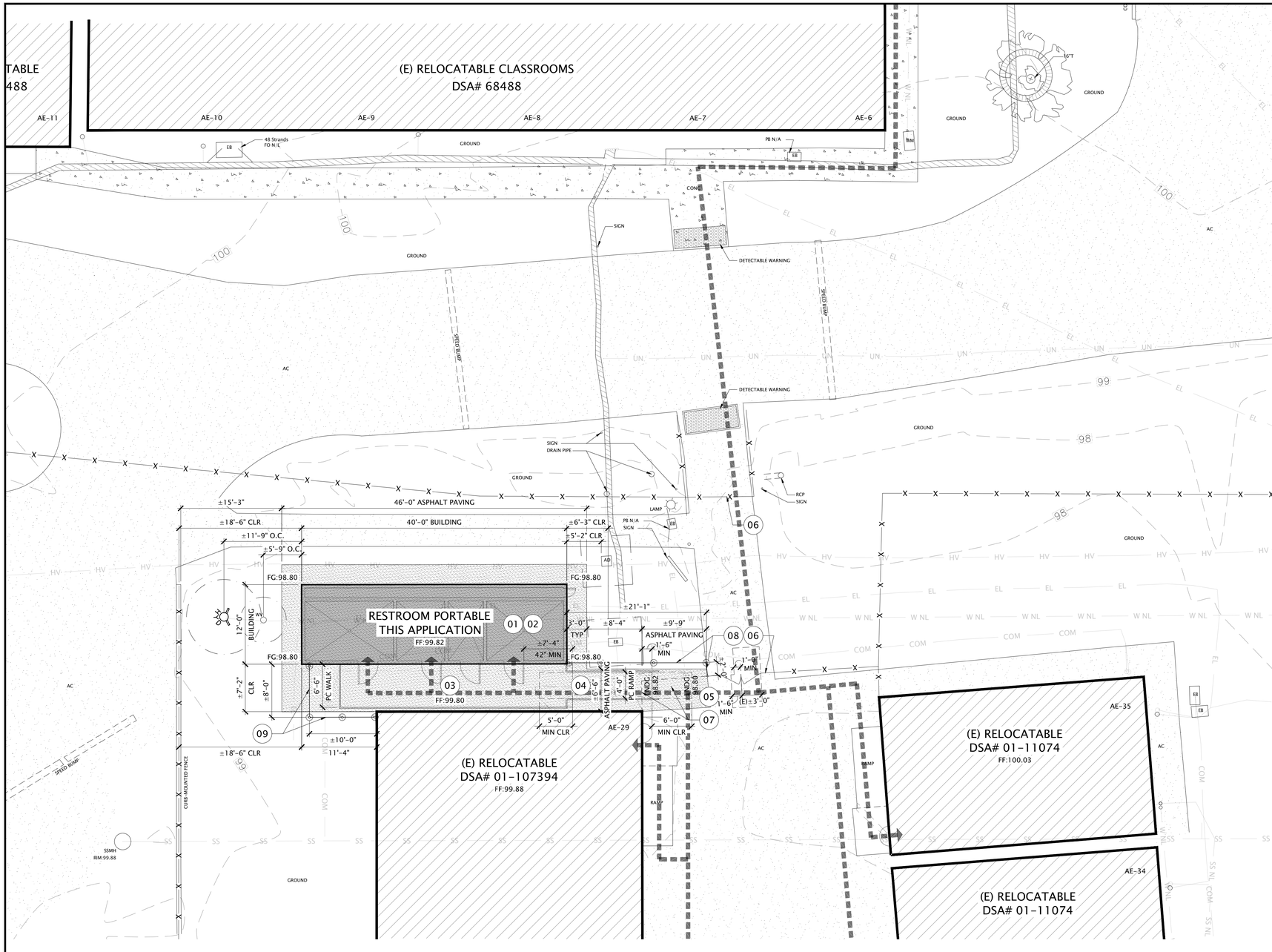

1 ENLARGED SITE PLAN

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

SHEET NOTES

A. FOR RELATED WORK SEE CIVIL, PLUMBING, & ELECTRICAL DRAWINGS

B. PRIOR TO COMMENCEMENT OF GRADING ACTIVITIES, LOCATE (E) UNDERGROUND UTILITIES & SUBSTRUCTURES. PROTECT SAME FROM DAMAGE & DISLODGEMENT. NOTIFY ARCHITECT OF UNFORESEEN CONDITIONS IN CONFLICT WITH NEW WORK FOR RESOLUTION; PRIOR TO COMMENCEMENT OF DEMOLITION.

C. PRIOR TO COMMENCEMENT OF GRADING ACTIVITIES, CLEAR AREA OF EXISTING VEGETATION, ORGANIC LADEN SOILS, BUILDING MATERIALS, LOOSE SOIL, PAVEMENT SECTIONS & DEBRIS. HAZARDOUS MATERIALS MITIGATION REQUIREMENTS ARE PER NHUSD GENERAL CONDITIONS. DISPOSE OF DEBRIS.

D. EXISTING UNDERGROUND UTILITIES INDICATED TO BE ABANDONED OR REMOVED SHALL BE CUT & REMOVED FROM AREA OF WORK, CAP ENDS OF (E) UTILITIES. BACK FILL WITH APPROVED COMPACTED FILL. S.C.D. AND S.P.D.

E. FURNISH & INSTALL DESIGN-BUILD, ENGINEERED, TEMPORARY SHORING WHERE REQUIRED TO RETAIN (E) SURROUNDING ELEMENTS.

F. UTILITY PENETRATIONS AT BUILDING PERIMETER: FURNISH & INSTALL FLEXIBLE CONNECTIONS AT BUILDING PERIMETER AS INDICATED. INSTALL SLEEVES & WATERPROOF ASSEMBLIES. SEAL UTILITY TRENCHES WHERE UTILITY ENTERS THE BUILDING UNDER THE PERIMETER FOUNDATION WITH CONCRETE, CLAYEY SOIL, SAND-CEMENT SLURRY, OR CONTROLLED DENSITY FILL.

G. TEMPORARY PROTECTION: PROTECT EXISTING FENCE, GATES, FLATWORK, CURBS, WALLS, UTILITIES & OTHER ELEMENTS INDICATED TO REMAIN FROM DAMAGE DURING CONSTRUCTION. REMOVE TEMPORARY PROTECTION AT END OF CONSTRUCTION. RESTORE EXISTING SURROUNDING ELEMENTS AS REQUIRED.

H. CONTRACTOR SHALL OBTAIN ALL UTILITY PERMITS

I. ALL WORK IS NEW UNLESS OTHERWISE NOTED

J. CONTRACTOR SHALL REPLACE IN KIND ALL IRRIGATION, TURF AND MIN. 6" SUBGRADE WITHIN EXISTING LAWN AREAS DISTURBED DURING CONSTRUCTION

KEYNOTES

01 SET IN PLACE TEMPORARY 12FT x 40FT RESTROOM PORTABLE WITH BUILT-UP WOOD FOUNDATION PER DSA PC 02-121411. SEE CIVIL AND MECH/ELEC/PLUMBING DRAWINGS FOR ADDITIONAL DETAIL.

02 PROVIDE MIN 2-1/2IN ASPHALT PAVING OVER MIN 8IN DRAIN ROCK OVER 90% COMPACTED SUB-BASE. PROTECT EXISTING SUB-GRADE UTILITIES AND CONNECTIONS IN PLACE. PAVING SHALL EXTEND MIN 36IN BEYOND PORTABLE FOOTPRINT.

03 MODULAR METAL WALKWAY AND GUARDS PER DSA PC 02-121411. GUARDRAILS SHALL BE MIN. 42IN A.F.F. LANDINGS AT EXTERIOR DOORS SHALL PROVIDE MAX. 1.9% SLOPE IN ANY DIRECTION. CHANGES IN HEIGHT AT THRESHOLDS AT EXTERIOR DOORS SHALL NOT EXCEED 1/4IN.

04 MODULAR RAMP, HANDRAILS AND GUARDS PER DSA PC 02-121411. SLOPE AT WALKWAY SHALL NOT EXCEED 1:12. GUARDRAILS SHALL BE MIN. 42IN A.F.F. HANDRAILS SHALL BE CONTINUOUS 34-38IN A.F.F. HANDRAIL EXTENSIONS SHALL BE 12IN MIN. BEYOND TOP AND BOTTOM LANDINGS IN THE DIRECTION OF TRAVEL.

05 EXTEND ASPHALT PAVING TO PROVIDE LEVEL LANDING AT BASE OF MODULAR RAMP. FEATHER ASPHALT TO EXISTING FOR SMOOTH TRANSITION. SEE CIVIL FOR ADDITIONAL.

06 EXISTING PEDESTRIAN GATES PROVIDE MIN. 32IN INTERIOR CLEAR WITH LEVEL LANDINGS PER CBC 11B 404.2.4.1.

07 REMOVE PORTIONS OF EXISTING CHAINLINK MESH, POSTS & FOOTINGS FOR INSTALLATION OF LEVEL ASPHALT LANDING.

08 EXTEND 6FT CHAINLINK FENCING TO MATCH EXISTING ADJACENT FROM TEMPORARY RESTROOM PORTABLE TO EXISTING FENCE POST AT ASPHALT WALKWAY. SEE 2/A1.02 FOR FOOTINGS.

09 PROVIDE & INSTALL 6FT CHAINLINK FENCING ENCLOSURE TO MATCH EXISTING ADJACENT BETWEEN BUILDINGS.

LEGEND

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ROBERTA ANN BAHL
C28322
Ren.06-30-25
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Revisions	
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DSA OTC BACKCHECK	01/30/24

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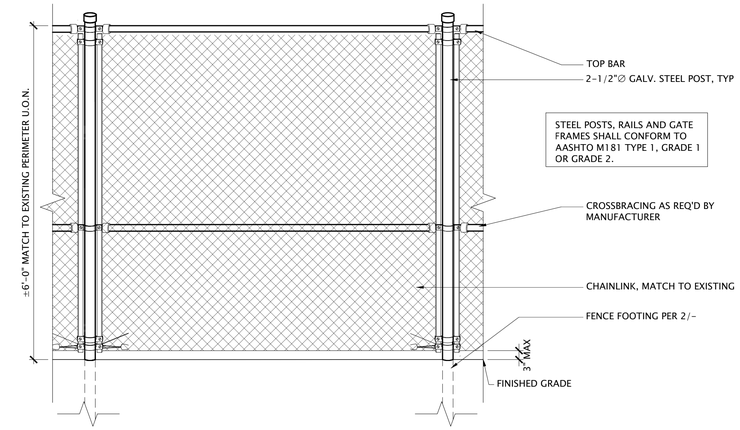
ENLARGED SITE PLAN

A1.01

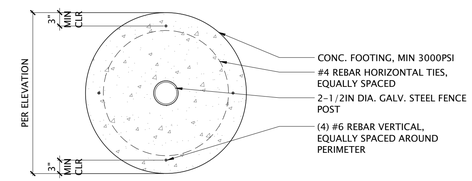
Date
January 30, 2024



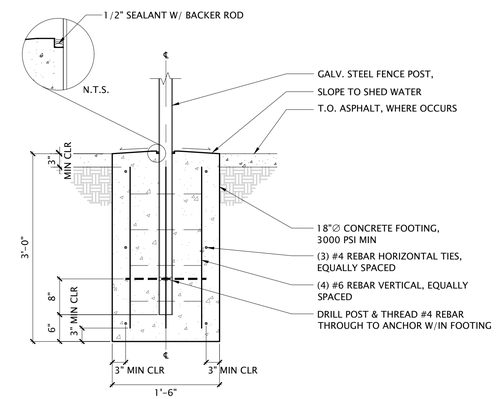
1 CHAINLINK FENCE AT LANDSCAPE

site-cl gate.dwg

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



REINFORCED FOOTING, PLAN VIEW



2 TYP. FENCE FOOTING

Fence Footing.dwg

SCALE: 3/4" = 1'-0"

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SITE DETAILS

A1.02

Date

January 30, 2024

LEGEND

-- EXHAUST FAN

GENERAL NOTES

1. CONTRACTOR SHALL VISIT JOB SITE, VERIFY FIELD CONDITIONS, REVIEW PLAN AND SPECIFICATIONS AND SHALL INCLUDE IN HIS PRICE THE NECESSARY COST TO CONSTRUCT THIS PROJECT IN ACCORDANCE WITH THE MECHANICAL DRAWING AND SHALL MEET ALL APPLICABLE CODES. THE CONTRACTOR SHALL NOTIFY AND COORDINATE ALL SITE VISITS WITH THE DISTRICT REPRESENTATIVE.
2. ALL MATERIAL AND EQUIPMENT FURNISHED AND INSTALLED SHALL BE NEW, FREE FROM DEFECTS AND SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE BY THE OWNER. SHOULD ANY TROUBLE DEVELOP DURING THE PERIOD DUE TO FAULTY WORKMANSHIP OR MATERIAL, THE CONTRACTOR SHALL FURNISH ALL NECESSARY MATERIAL AND LABOR TO CORRECT THE TROUBLE WITHOUT COST TO THE OWNER.
3. CONTRACTOR IS TO REVIEW THE PLANS OF OTHER DISCIPLINES AND COORDINATE WITH THE WORK OF OTHER TRADES PRIOR TO INSTALLATION TO AVOID ANY CONFLICT BETWEEN DUCTS, CONDUITS, SPRINKLERS, PIPING, LIGHTING FIXTURES, ETC. NO EXTRAS WILL BE ALLOWED FOR CORRECTION OF CONFLICTS DUE TO LACK OF COORDINATION.
4. THE DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED TO DETERMINE EXACT LOCATION OF PIPING, DUCT WORK OR DIFFUSERS.
5. THE CONTRACTOR SHALL BRING TO THE ARCHITECT'S ATTENTION OF ANY DISCREPANCY OR CONFLICTS IN THE PLANS OR THE SITE CONDITIONS. ALL NECESSARY CHANGES MUST BE APPROVED IN WRITING BY THE ARCHITECT BEFORE START OR WORK.
6. CONTRACTOR TO SUBMIT CATALOG CUT SHEETS OF ALL THE MATERIAL AND EQUIPMENT TO BE USED AND WORKING SHOP DRAWINGS FOR APPROVAL BEFORE START OF WORK.
7. SUPPORTS FOR ALL PIPING AND DUCTWORK SHALL BE IN ACCORDANCE WITH LATEST SMACNA "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING SYSTEMS".
8. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND FEES REQUIRED FOR THE WORK.

HVAC GENERAL NOTES

1. VERIFY EXACT SIZE AND LOCATION OF OPENINGS THROUGH BEAMS, CONCRETE WALLS AND SLABS WITH STRUCTURAL ENGINEER, PRIOR TO INSTALLATION OR PURCHASE.
2. SEAL ALL AIR PLENUMS, DUCT SHAFTS AND PENETRATIONS AIRTIGHT.
3. FLEX DUCTS MAY BE USED IN BETWEEN JOISTS AND AT CONNECTION TO DIFFUSERS. FLEX DUCT SHALL BE LISTED AND LABELED CMC 10-1 (UL181).
4. SEE STRUCTURAL DRAWINGS FOR MINIMUM DISTANCE BETWEEN PIPE SLEEVES AND OTHER PENETRATIONS OF STRUCTURAL SLABS AND WALLS.
5. PROVIDE NECESSARY TRANSITION PIECES UNDER BEAMS TO AVOID CONFLICT WITH CEILING, LIGHTS, PIPING, ETC. AS REQUIRED.
6. ALL EXHAUST AND SUPPLY AIR DUCTWORK SHALL BE SHEET METAL.
7. ALL SEAMS AND CONNECTIONS IN DUCTWORK AND INSULATION SHALL BE SEALED PER SMACNA STANDARD.
8. ALL MATERIALS AND EQUIPMENT INSTALLED ABOVE CEILINGS SHALL BE NON-COMBUSTIBLE AND U.L. APPROVED. ALL WIRING SHALL BE NON-COMBUSTIBLE OR SHALL BE ENCLOSED IN METAL CONDUIT.
9. CONTRACTOR SHALL SECURE REVIEW WITH ARCHITECT BEFORE PURCHASING DIFFUSERS AND REGISTERS TO VERIFY SIZE, TYPE AND FINISH. COORDINATE LOCATIONS WITH LIGHTING AND REFLECTED CEILING PLANS.
10. COMBUSTION AIR DUCTS WILL TERMINATE WITHIN THE UPPER 12" OF THE ENCLOSURE AND THE LOWER OPENING IS WITHIN THE LOWER 12" OF THE ENCLOSURE.
11. LINING MATERIALS INSTALLED WITHIN DUCTS TO HAVE MOLD, HUMIDITY, AND EROSION RESISTANT SURFACE.
12. INSULATION MATERIALS SHALL HAVE A FLAME SPREAD OF NOT MORE THAN 25 AND SMOKE-DEVELOPED NOT EXCEEDING 50 WHEN TESTED AS A COMPOSITE INSTALLATION PER CMC 605.
13. CONTRACTOR SHALL BALANCE SUPPLY AND RETURN DIFFUSERS/GRILLES TO CFM AS NOTED ON DRAWING. ALL BALANCING SHALL BE DONE BY AABC CERTIFIED TECHNICIAN. THE DSA (INSPECTOR) SHALL BE NOTIFIED WHEN AIR BALANCE IS TO BE DONE. THE CONTRACTOR SHALL SUBMIT A CERTIFIED BALANCE REPORT UPON COMPLETION OF AIR BALANCING.
14. ALL WORK TO COMPLY WITH 2022 CMC.

NEW MECHANICAL EQUIPMENT SCHEDULE

PORTABLE RESTROOM EXHAUST FAN SCHEDULE										
TAG	MAKE/MODEL	DESIGN CFM	EXT. SP. (IN W.C.)		ELECTRICAL				WEIGHT (LB)	REMARK
					VOLTS	ø	WATTS	FLA		
EF-1	ENVIROPLEX EXHAUST FAN	75	--		120	1	20	–		①
EF-2	ENVIROPLEX EXHAUST FAN	150	--		120	1	20	–		①

① TO BE PROVIDED AND INSTALLED BY RESTROOM PORTABLE MANUFACTURER.

MEP COMPONENT ANCHORAGE 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 DSA.

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

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF 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 NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 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 PREAPPROVED INSTALLATION GUIDE (E.G., HCAI OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

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

MP	MD	PP	E	
☐	☐	☐	☐	OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.
☐	☒	☐	☐	OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM-0295-13).

SHEET INDEX:

M-0.1: MECHANICAL GENERAL NOTES, AND SCHEDULES

M-2.0: MECHANICAL PLAN – RESTROOM PORTABLE

P-0.1: PLUMBING GENERAL NOTES & SCHEDULES

P-2.0: PLUMBING PLAN – RESTROOM PORTABLE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-121299 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 2/13/2024

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TEL: 415-837-0900

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REGISTERED PROFESSIONAL ENGINEER
MENG-HSIU CHEN
M19582
EXP. 9/30/25
MECHANICAL
STATE OF CALIFORNIA

Revisions

DSA REGISTRATION	09/27/23
DSA SUBMISSION	01/19/24

Project 2314

Pittsburg Adult School: ESL Restroom Portable

1151 Stoneman Avenue
Pittsburg, CA 94565
Pittsburg Unified School District

Sheet

MECHANICAL GENERAL NOTES, AND SCHEDULES

M-0.1

Date
January 19, 2024

MECHANICAL SHEETNOTES

1. NEW CEILING EXHAUST FAN, PROVIDED BY PORTABLE MANUFACTURER. INTERLOCK WITH ROOM LIGHT SWITCH. COORDINATE WITH PORTABLE MANUFACTURER FOR EXACT SPECIFICATIONS.
2. NEW EXHAUST RISER UP THRU ROOF. COORDINATE WITH PORTABLE MANUFACTURER FOR EXACT SPECIFICATIONS.

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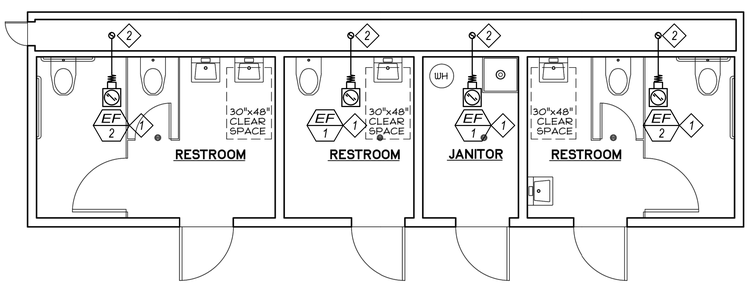
ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215, (209) 466-8000

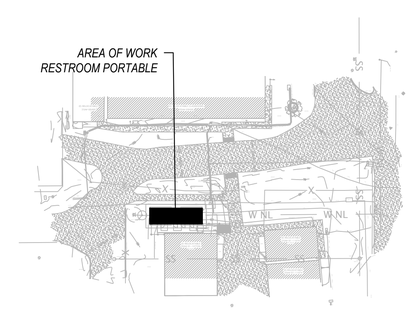
MECHANICAL GENERAL NOTES:
1. PRE-FABRICATED RESTROOM PORTABLE. PORTABLE MANUFACTURER SHALL PROVIDE ALL EXHAUST FANS THAT ARE COMPLIANT WITH THE VENTILATION RATES PRESCRIBED BY CALIFORNIA MECHANICAL CODE.
2. THERE IS NO HEATING/AIR CONDITIONING PROPOSED TO THE RESTROOM PORTABLE.



12 x 40 MODULAR BUILDING

1 / M-2.1 MECHANICAL PLAN - RESTROOM PORTABLE
SCALE: 1/4" = 1'-0"

KEY MAP
NOT TO SCALE



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MECHANICAL PLAN – RESTROOM PORTABLE

M-2.0

Date
January 19, 2024

PLUMBING LEGEND

--	SS	SANITARY SEWER	--	VTR	VENT THRU ROOF
--	SD	STORM DRAIN	--	U.G.	UNDERGROUND
--	G	GAS		FCO	FLOOR CLEAN OUT
--	V	VENT		COTG	CLEAN OUT TO GRADE
--	(E)	EXISTING		FD	FLOOR DRAIN
--	(N)	NEW		SOV	SHUT-OFF VALVE
--	CW	COLD WATER			

PLUMBING GENERAL NOTES

1. PROVIDE ISOLATED COUPLINGS AND/OR UNIONS AT POINTS OF CONNECTION BETWEEN COPPER, STEEL AND BRASS PIPING. EPCO OR EQUAL.
2. ALL WATER PIPING SYSTEMS AND DRAINAGE PIPING SYSTEMS, INCLUDING SUPPLY, WASTE AND DRAIN SHALL BE INSTALLED WITH VIBRATION ISOLATORS AND SHALL BE ISOLATED FROM ANY STRUCTURAL MEMBERS, WALL SECTIONS OR OTHER MATERIALS THAT COULD TRANSMIT SOUND TO THE OCCUPIED AREAS. ALL HANGERS, STRAPS, BRACKETS, AND SUPPORTS SHALL HAVE ACOUSTICAL COMPONENTS OR COMBINED NEOPRENE AND PLASTIC FOAM BY TECH SPECIALTIES, DIVISION OF SPECIALTY PRODUCTS CO. TO ISOLATE COMPLETE PIPE CONTACT AREA. ALL ISOLATION MATERIAL SHALL HAVE A MINIMUM THICKNESS OF 1/2". INSTALL ALL COMPONENTS AS PER MANUFACTURER'S INSTRUCTIONS.
3. INSTALL ALL CLEANOUTS WHERE REQUIRED BY ORDINANCES, AT ENDS OF BUILDING DRAINS, AT ALL CHANGES IN DIRECTIONS, IN ALL STRAIGHT RUNS AT 100 FOOT INTERVALS, WHERE HORIZONTAL MAINS CHANGE SIZE, AND AT ALL ENDS OF ALL BRANCH PIPES WHICH ARE 5' OR OVER IN LENGTH.
4. PLUMBING FIXTURES SHALL BE COMPLETED WITH ALL ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION.
5. SELECTION OF FAUCETS AND FITTINGS SHALL COMPLY WITH CA AB1953.
6. INSTALL STOP VALVES ON HOT AND COLD WATER SUPPLIES TO EACH FIXTURE.
7. ALL FLOOR DRAIN MUST HAVE 1/2" COLD WATER LINE CONNECTED TO TRAP PRIMER (PIPING NOT SHOWN FOR CLARITY)
8. MATERIALS, METHODS AND LOCATIONS OF SERVICE MAINS CONNECTING THE NEW CONSTRUCTION TO ALL NEW AND EXISTING SERVICES SHALL BE IN STRICT ACCORDANCE WITH RULES, REGULATIONS, CODES AND REQUIREMENTS OF ALL AGENCIES HAVING JURISDICTION OVER THIS INSTALLATION. LOCATE ALL EXISTING STUBS TO BE CONNECTED TO IN THIS CONTRACT BEFORE WORK IS STARTED. COORDINATE LOCATION OF WATER AND SEWER CONNECTIONS WITH BUILDING ENGINEER.
9. CAULK AIRTIGHT ALL PLUMBING PENETRATIONS IN SOUND RATED WALLS AND FLOOR/CEILINGS. SEAL PENETRATIONS OF CONCRETE FLOORS WITH CEMENT GROUT. MINIMIZE PENETRATIONS THROUGH SOUND RATED CONSTRUCTION.
10. CONTRACTOR SHALL INSTALL ALL PLUMBING FIXTURES AND TRIM AS SHOWN ON THE ARCHITECTURAL PLANS. ROUGH-IN FOR ALL FIXTURES SHALL BE EXACTLY TO MEASUREMENTS FURNISHED BY FIXTURE MANUFACTURER. ALL EXPOSED PARTS TO BE CHROMIUM PLATED UNLESS SPECIFIED OTHERWISE.
11. KEEP ROUGH-IN CUTS WITHIN THE PLATE LINES AND DO NOT CUT COMPLETELY THROUGH PLATES IN SOUND-RATED WALLS. DRILL OR SAW NEAT ROUND HOLES FOR ALL PIPING. SIZE APPROXIMATELY ½ INCH LARGER THAN THE PIPE DIAMETER.
12. PIPE LINES SHALL BE INSTALLED FREE FROM TRAPS AND AIR POCKETS AND TRUE TO LINE AND GRADE WITH SUITABLE SUPPORTS PROPERLY SPACED. PIPING SHALL BE INSTALLED WITHOUT UNDUE STRESSES AND WITH PROVISION FOR EXPANSION AND CONTRACTIONS.
13. HORIZONTAL LINES SHALL HAVE HANGERS OR SUPPORTS SPACED AS FOLLOWS:

    A. CAST IRON PIPE – 5' CENTERS
    B. STEEL PIPE – 10' CENTERS
    C. COOPER TUBING – 5' CENTERS FOR 1-1/2" AND SMALLER, 10' CENTERS FOR 2" AND LARGER
14. PIPING SHALL BE NEW AND FREE FROM FOREIGN SUBSTANCES. REAM OUT ALL BURRS FORMED IN CUTTING PIPE. THREADS SHALL BE CUT ACCURATELY AND NOT OVER TWO THREADS SHALL SHOW BEYOND THE FITTING. FRICTION WRENCHES SHALL BE USED WITH PLATED POLISHED, OR SOFT METAL PIPING.
15. CHANGES IN PIPE SIZE SHALL BE MADE WITH REDUCING FITTINGS, AND BUSHING WILL NOT BE PERMITTED.
16. UNION CONNECTION SHALL BE INSTALLED DOWNSTREAM OF ALL VALVES, AT ALL EQUIPMENT CONNECTIONS AND AT OTHER POINTS AS REQUIRED.
17. CUTTING OR BORING OF HOLES THROUGH STRUCTURAL MEMBERS SHALL BE DONE ONLY WHEN IT IS IMPOSSIBLE TO ROUTE PIPING IN ANOTHER MANNER. IF CUTTING OR BORING IS NECESSARY IT SHALL BE ACCOMPLISHED ONLY BY WRITTEN APPROVAL FROM THE ARCHITECT, STRUCTURAL AND BUILDING ENGINEER, AND ALSO INCLUDED IN HIS BIDS. WORK SHALL COMPLY WITH CBC SECTIONS 2308.9.10, 2308.9.11, AND 2308.10.4.2.
18. DO NOT ALLOW THE PIPING, VALVES OR CONNECTORS TO FORM A RIGID CONNECTION WITH THE STRUCTURE OR OTHER PIPES. INSTALL PIPING TO ALLOW FOR EXPANSION AND CONTRACTION WITHOUT STRESSING PIPE, JOINTS OR CONNECTED EQUIPMENT.
19. PROVIDE SIOUX CHIEF WATER HAMMER ARRESTER FOR EACH PLUMBING FIXTURE BANK OR 18" HIGH AIR CHAMBER FOR EACH PLUMBING FIXTURE. SIZE OF WATER HAMMER ARRESTER SHALL BE SUFFICIENT TO HANDLE THE REQUIRED FIXTURE UNIT AT EACH BANK.
20. THE DOMESTIC WATER SUPPLY AND DISTRIBUTION SYSTEM WITHIN THE AREA OF WORK SHALL BE STERILIZED WITH CHLORINE IN SOLUTION IN ACCORDANCE WITH AMERICAN WATER WORKS ASSOCIATION PUBLICATION C-601-1954.
21. PRESSURE TEST ENTIRE HOT AND COLD PIPING AND DRAINAGE SYSTEM FROM CAPPED CONNECTIONS, TO AND INCLUDING VENTS.
22. ALL PLUMBING PIPING AND EQUIPMENT SHALL BE IDENTIFIED AND LABELED
23. PROVIDE ACCESS PANEL FOR ALL STUB OUTS ENDED INSIDE CEILING OR WALL.
24. THREADED FITTINGS: ANSI/ASME B16.3 BLACK MALLEABLE IRON.
25. SOCKET-WELDING FITTINGS: ANSI B16.11 FORGED STEEL.
26. BUTT-WELDING FITTINGS: ANSI/ASME B16.9 WROUGHT STEEL WITH BACKING RINGS OF COMPATIBLE MATERIAL.
27. UNIONS: ASME/ANSI B16.39 BLACK MALLEABLE IRON.
28. FLANGES AND FLANGED FITTINGS: ASME/ANSI B16.5 STEEL FLANGES OR CONVOLUTED STEEL FLANGES. FLANGE FACES SHALL HAVE INTEGRAL GROOVES OF RECTANGULAR CROSS SECTION WICH AFFORD CONTAINMENT FOR SELF-ENERGIZING GASKET MATERIAL.
29. THREADED JOINTS: WHERE POSSIBLE USE PIPE WITH FACTORY-CUT THREADS, OTHERWISE CUT PIPE LENGTHS ACCORDINGLY WITH ANSI/ASME B1.20.1. PROVIDE THREADS SMOOTH, CLEAN, AND FULL-CUT. APPLY ANTI-SEIZE PASTE OR TAPE TO MALE THREADS PORTION. WORK PIPING INTO PLACE WITHOUT SPRINGING OR FORCING. BACKING OFF TO PERMIT ALIGNMENT OF THREADED JOINTS WILL NOT BE PERMITTED. ENGAGE THREADS SO THAT NOT MORE THAN TWO THREADS REMAIN EXPOSED. USE UNIONS FOR CONNECTIONS TO VALVES, METERS FOR WHICH A MEANS OF DISCONNECTION IS NOT OTHERWISE PROVIDED.
30. WELDED JOINTS: WELD BY THE SHIELDED METAL-ARC PROCESS, USING COVERED ELECTRODES AND IN ACCORDANCE WITH PROCEDURES ESTABLISHED AND QUALIFIED IN ACCORDANCE WITH ASME B31.8.
31. FLANGED JOINTS: USE FLANGED JOINTS FOR CONNECTING WELDED JOINT PIPE AND FITTINGS TO VALVES TO PROVIDE FOR DISCONNECTION. INSTALL JOINTS SO THAT FLANGE FACES BEAR UNIFORMLY ON GASKETS. ENGAGE BOLTS SO THAT THERE IF COMPLETE THREADING THROUGH THE NUTS AND TIGHTEN SO THAT BOLTS ARE UNIFORMLY STRESSED AND EQUALLY TORQUED.
32. USE TEST PRESSURE OF 50 PSIG. DO NOT TEST UNTIL EVERY JOINT HAS SET AND COOLED AT LEAST 8 HOURS AT TEMPERATURES ABOVE 50 DEGREES F. TEST PIPING SYSTEM FOR AT LEAST 4 HOURS WITHOUT PRESSURE LOSS OR VISIBLE LEAKS.
33. SUBMIT SHOP DRAWINGS OF WASTE AND WATER LINES FOR REVIEW AND APPROVAL BEFORE COMMENCING WORK.
34. HORIZONTAL DRAINAGE PIPING SHALL BE RUN IN PRACTICAL ALIGNMENT AND A UNIFORM SLOPE OF NOT LESS THAN ¼" PER FT AS PER CPC 708.
35. ALL DWV PIPING SHALL BE CAST IRON. ABS AND PVC, DWV PIPING INSTALLATIONS SHALL BE LIMITED TO STRUCTURES (RESIDENTIAL ONLY) NOT EXCEEDING TWO STORIES IN HEIGHT PER CPC 701.2.2.
36. TYPE M COPPER TUBING MAY NOT BE USED FOR WATER PIPING UNDERGROUND INSIDE THE BUILDING PER CPC 604.3.
37. ALL DOMESTIC WATER PIPING SYSTEMS AND ALL WASTE AND DRAIN PIPING MUST BE VIBRATION ISOLATED FROM THE STRUCTURE. WATER SUPPLY LINES 1" OR LESS IN DIAMETER SHOULD BE ISOLATED FROM THE STRUCTURE USING THE ENTIRE SYSTEM OF ACOUSTO-PLUMB ISOLATOR AS MANUFACTURED BY SPECIALTY PRODUCTS COMPANY. ALL OTHER SUPPLY LINES AND ALL DRAIN AND WASTE LINES SHOULD BE ISOLATED USING ½" THICK FELT PADS OR RUBBER SLEEVES ISOLATION HANGER BY STONEMANE. USE ½" THICK DUROMETER NEOPRENE WAFFLE PADS UNDER ALL RISER CLAMPS (MASON INDUSTRIES).
38. ALL WORK TO COMPLY WITH 2022 CPC.
39. PRIOR TO WORK, REVIEW GEOTECH REPORT TO CONFIRM CORROSIVE SOIL CONDITIONS.

PIPE MATERIAL SCHEDULE

CODE	ITEM	MATERIAL DESCRIPTION
W V	ABOVE GROUND SANITARY WASTE AND VENT PIPING	NO HUB CAST IRON PIPE AND FITTINGS WITH STANDARD STAINLESS STEEL SHIELDED COUPLINGS WITH NEOPRENE GASKETS AND OR DWV COPPER PIPE AND FITTINGS WITH 95/5 SOLDERED JOINTS
W V	BELOW GRADE SANITARY WASTE AND VENT PIPING	FOR NORMAL SOIL CONDITION: NO HUB CAST IRON PIPE AND FITTINGS WITH STANDARD STAINLESS STEEL SHIELDED COUPLINGS WITH NEOPRENE GASKETS REVIEW GEOTECH REPORT. FOR CORROSIVE SOIL CONDITION: PVC PIPING AND FITTING CAULKED JOINTS TO BELL-AND-SPIGOT FITTINGS MUST COMPLY WITH CPC IS9 2.7
CW	ABOVE GROUND DOMESTIC WATER PIPING	TYPE "L" COPPER PIPE AND COPPER FITTINGS WITH: LEAD-FREE SOLDER JOINTS SIZES 1/2"-2" SIL-FOS FITTINGS 2-1/2" AND LARGER
CW	BELOW GRADE DOMESTIC WATER PIPING	FOR NORMAL SOIL CONDITION: TYPE "K" COPPER PIPE AND COPPER FITTINGS WITH: BRAISED JOINTS REVIEW GEOTECH REPORT. FOR CORROSIVE SOIL CONDITION: CPVC PIPING AND FITTING SOLVENT CEMENT JOINTS MUST COMPLY WITH CPC IS20 2.7

MEP COMPONENT ANCHORAGE 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 DSA.

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

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF 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 NOTE

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Sheet
PLUMBING GENERAL NOTES, AND SCHEDULES

P-0.1

Date
January 19, 2024

PLUMBING SHEETNOTES

1. NEW ADA WATER CLOSET, PROVIDED BY PORTABLE MANUFACTURER. COORDINATE WITH PORTABLE MANUFACTURER FOR EXACT SPECIFICATIONS.
2. NEW ADA LAVATORY, PROVIDED BY PORTABLE MANUFACTURER. COORDINATE WITH PORTABLE MANUFACTURER FOR EXACT SPECIFICATIONS.
3. NEW JANITOR SINK, PROVIDED BY PORTABLE MANUFACTURER. COORDINATE WITH PORTABLE MANUFACTURER FOR EXACT SPECIFICATIONS.
4. NEW FLOOR DRAIN, PROVIDED BY PORTABLE MANUFACTURER. COORDINATE WITH PORTABLE MANUFACTURER FOR EXACT SPECIFICATIONS.
5. NEW ELECTRIC WATER HEATER, PROVIDED BY PORTABLE MANUFACTURER. COORDINATE WITH PORTABLE MANUFACTURER FOR EXACT SPECIFICATIONS.
6. NEW 2"ø COLD WATER SERVICE. COORDINATE WITH CIVIL FOR EXACT LOCATION AND SIZE.
7. NEW 4"ø SANITARY SEWER SERVICE. COORDINATE WITH CIVIL FOR EXACT LOCATION AND SIZE.
8. NEW DOWNSPOUT. COORDINATE WITH CIVIL FOR EXACT LOCATION AND SIZE.

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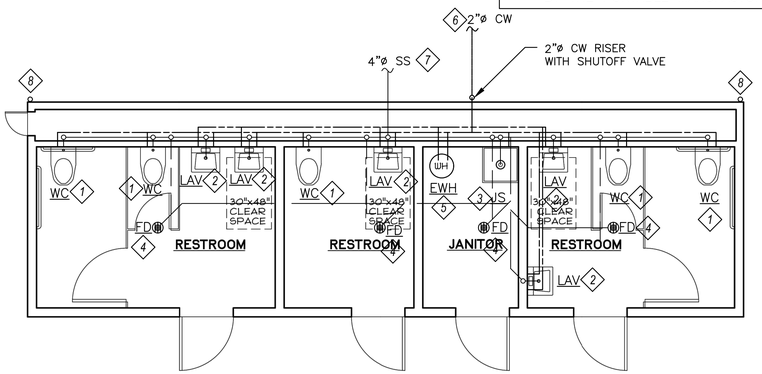
PLUMBING GENERAL NOTES:

1. PRE-FABRICATED RESTROOM PORTABLE. PORTABLE MANUFACTURER SHALL PROVIDE ALL PLUMBING FIXTURES AND PIPING. THERE SHALL BE A COMMON POINT OF CONNECTION TO THE VARIOUS UTILITY PIPING SUCH AS SANITARY SEWER AND COLD WATER.
2. THE PIPING DESIGN SHOWN BELOW IS FOR REFERENCE ONLY. THE ACTUAL PLUMBING DESIGN WILL BE SUPPLIED BY THE PORTABLE MANUFACTURER.



12 x 40 MODULAR BUILDING

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

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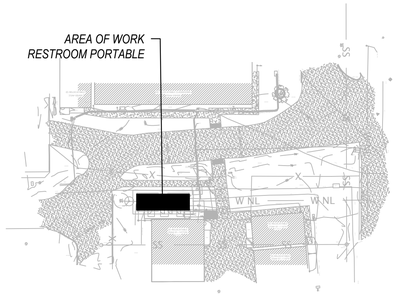

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PLUMBING PLAN - RESTROOM PORTABLE

P-2.0

Date
January 19, 2024

PITTSBURG USD ADULT SCHOOL RESTROOM PORTABLE – 223103

ELECTRICAL EQUIPMENT ANCHORAGE

ELECTRICAL ANCHORAGE NOTES:

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THE FOLLOWING ELECTRICAL COMPONENTS SHALL BE 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 CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS.

A. COMPONENT WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM WALL.

THE ANCHORAGE OF ALL ELECTRICAL 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.

ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE:

ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2019 CBC, SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (e.g., OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

ELECTRICAL DISTRIBUTION SYSTEMS ARE: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
C	CONDUIT
CATV	CABLE TV
CO	CONDUIT ONLY
CU	COPPER
E.C.	ELECTRICAL CONTRACTOR
E	EMERGENCY LIGHT FIXTURE ON EMERGENCY GENERATOR OR INVERTER, SWITCHABLE, U.O.N.
EM	EMERGENCY LIGHT FIXTURE WITH BATTERY PACK, SWITCHABLE
EMS	ENERGY MANAGEMENT SYSTEM
(E)	EXISTING
EQPT	EQUIPMENT
(ER)	EXISTING EQUIPMENT TO BE RELOCATED
(EX)	EXISTING EQUIPMENT TO BE DISCONNECTED AND REMOVED
EXT	EXTERIOR
FMC	FLEXIBLE METALLIC CONDUIT
FTL	FEED THROUGH LUGS
GFI	GROUND FAULT CIRCUIT INTERRUPTING TYPE RECEPTACLE
IDF	INTERMEDIATE DISTRIBUTION FRAME
L	LOCKABLE
LV	LOW VOLTAGE
MCB	MAIN CIRCUIT BREAKER
MDF	MAIN DISTRIBUTION FRAME
MFR	MANUFACTURER
MLO	MAIN LUGS ONLY
MTD	MOUNTED
(N)	NEW
N.E.C.	NATIONAL ELECTRICAL CODE
NEU	NEUTRAL
N.I.E.C.	NOT IN ELECTRICAL CONTRACT
O.A.H.	OVERALL HEIGHT
O.F.C.I.	OWNER FURNISHED, CONTRACTOR INSTALLED
P	INDICATES FIXTURES ON PHOTOCELL CONTROL
PA	PUBLIC ADDRESS
PNL	PANEL
S.A.D.	SEE ARCHITECTURAL DRAWINGS
STC	SIGNAL TERMINAL CABINET
TC	INDICATES FIXTURES ON TIMECLOCK CONTROL
TELE	TELEPHONE
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
U.O.N.	UNLESS OTHERWISE NOTED
VAV	VAV BOX, SEE MECHANICAL DIVISION DRAWINGS FOR LOCATIONS. PROVIDE TOGGLE TYPE DISCONNECT SWITCH
WP	WEATHER PROOF, NEMA 3R
WPIU	WEATHER PROOF WHILE IN USE

SYMBOLS LIST

H	FIRE ALARM SYSTEM MAGNETIC DOOR HOLD-OPEN
H	WALL-MOUNTED BEAM SMOKE DETECTOR - TRANSMITTING UNIT; MOUNT 18" BELOW CEILING LEVEL, U.O.N.
H	WALL-MOUNTED BEAM SMOKE DETECTOR - RECEIVING UNIT; MOUNT IN EXACT HORIZONTAL & VERTICAL ALIGNMENT WITH CORRESPONDING TRANSMITTING UNIT
H	CEILING-MOUNTED BEAM SMOKE DETECTOR - TRANSMITTING UNIT
H	CEILING-MOUNTED BEAM SMOKE DETECTOR - RECEIVING UNIT; MOUNT IN EXACT HORIZONTAL & VERTICAL ALIGNMENT WITH CORRESPONDING TRANSMITTING UNIT
	FIRE ALARM SYSTEM END-OF-LINE RESISTOR
FSD	FIRE SMOKE DAMPER BY MECHANICAL. COORDINATE WITH MECHANICAL FOR MONITORING TO FIRE ALARM SYSTEM (INCLUDING SMOKE DETECTOR PROVISIONS). CONTROL OF DAMPER TO BE BY MECHANICAL, U.O.N. PROVIDE TOGGLE TYPE DISCONNECT SWITCH
FACP	FIRE ALARM CONTROL PANEL
FAAP	FIRE ALARM ANNUNCIATOR PANEL
	WEATHERPROOF ENCLOSURE
	CONDUIT AND WIRE CONCEALED IN CEILING OR WALL
	CONDUIT AND WIRE CONCEALED IN OR UNDER SLAB OR UNDERGROUND
	CONDUIT AND WIRE RUN EXPOSED
	CROSSMARKS INDICATE QUANTITY OF #12 CONDUCTORS PLUS PARITY SIZED GROUND CONDUCTOR, NO HASHMARKS INDICATES (2) #12 CONDUCTORS PLUS PARITY SIZED GROUND CONDUCTOR, U.O.N.
	GROUND WIRE
(#10)	WIRE SIZE 10 AWG FOR ALL CONDUCTORS, INCLUDING GROUND WIRE, THROUGHOUT THE COMPLETE CIRCUIT
	FLEXIBLE METALLIC CONDUIT
	HOMERUN TO PANELBOARD OR TERMINAL BOARD, AS NOTED ON PLANS
	COMPLETE CONNECTION OF EQUIPMENT
	CONDUIT STUBBED OUT, CAPPED AND MARKED
	CONDUIT TURNED UP
	CONDUIT TURNED DOWN
T	TELEPHONE SYSTEM CONDUIT AND PULLWIRE; 3/4" U.O.N.
C	COMPUTER/DATA SYSTEM CONDUIT AND PULLWIRE; 3/4" U.O.N.
D	TELEPHONE/DATA SYSTEM CONDUIT AND PULLWIRE; 3/4" U.O.N.
G	#4/0 COPPER GROUNDING ELECTRODE CONDUCTOR, U.O.N.
AC-1	MECHANICAL EQUIPMENT DESIGNATION - SEE MECHANICAL PLANS
3 E-6	DETAIL DESIGNATION - SEE DETAIL 3, SHEET E-6
1	NUMBERED SHEET NOTE
2	NUMBERED SHEET NOTE THAT REFERS TO TYPICAL ITEMS ON SHEET
M	UTILITY METER
CT'S	CURRENT TRANSFORMERS
30A 3P	CIRCUIT BREAKER. NUMBER INDICATES 30A 3-POLE
150AN	FEEDER SIZE - SEE POWER SINGLE LINE DIAGRAMS & FEEDER SCHEDULE

SYMBOLS LIST

	MAIN SWITCHBOARD, DISTRIBUTION PANEL OR MOTOR CONTROL CENTER
	FLUSH MOUNTED PANELBOARD, 6'-6" TO TOP
	SURFACE MOUNTED PANELBOARD, 6'-6" TO TOP
	FUSED EQUIPMENT DISCONNECT SWITCH WITH FUSE SIZE AS RECOMMENDED BY EQUIPMENT MANUFACTURER
	MOTOR DISCONNECT SWITCH; HORSEPOWER RATED, NON FUSE
	COMBINATION MAGNETIC MOTOR STARTER & MOTOR CIRCUIT PROTECTOR
	MAGNETIC MOTOR STARTER
VFD	VARIABLE FREQUENCY DRIVE, FURNISHED BY MECHANICAL, INSTALLED & CONNECTED COMPLETE BY ELECTRICAL
	MANUAL MOTOR STARTER WITH OVERLOAD PROTECTION
	MOTOR WITH FLEXIBLE CONDUIT CONNECTION AND DISCONNECT
$m	LINE VOLTAGE MOTOR RATED TOGGLE SWITCH INSTALLED AT EQPT SHOWN
T	TRANSFORMER
	CONCRETE PULLBOX, SIZE AS REQUIRED OR SHOWN - CHRISTY OR EQUAL WITH LABELED LID PER USE
	COPPER GROUND ROD
J	FLUSH CEILING MOUNTED JUNCTION BOX, U.O.N.
J	FLUSH WALL MOUNTED JUNCTION BOX, UP 18" U.O.N.
J	JUNCTION BOX FLUSH FLOOR MOUNTED
	20A 3PG 125V DUPLEX RECEPTACLE, UP 18" U.O.N.
	20A 3PG 125V DUPLEX RECEPTACLE, WEATHERPROOF, UP 18" U.O.N.
GFI	20A 3PG 125V DUPLEX RECEPTACLE, GROUND FAULT CIRCUIT INTERRUPTER TYPE, UP 18" U.O.N.
IG	20A 3PG 125V DUPLEX RECEPTACLE, ISOLATED GROUND TYPE, UP 18" U.O.N.
	20A 3PG 125V DUPLEX RECEPTACLE, MOUNTED ABOVE COUNTER, U.O.N.
	20A 3PG 125V DOUBLE DUPLEX RECEPTACLE, UP 18" U.O.N.
	20A 3PG 125V DOUBLE DUPLEX RECEPTACLE, MOUNTED ABOVE COUNTER, U.O.N.
	20A 3PG 125V SINGLE RECEPTACLE, UP 18" U.O.N.
	20A 3PG 125V SINGLE TWISTLOCK RECEPTACLE, NEMA L5-20R, UP 18" U.O.N.
	SPECIAL RECEPTACLE AS INDICATED ON PLANS
	HALF CONTROLLED AND IDENTIFIED DUPLEX RECEPTACLE WIRED THROUGH LOCAL PLUG-LOAD CONTROLLER FOR ONE HALF OF DUPLEX, UP 18" U.O.N.
	FLUSH IN FLOOR OUTLET BOX WITH QUANTITY OF 20A 3PG 125V DUPLEX RECEPTACLES AS INDICATED ON PLANS
	FLUSH CEILING MTD. DUPLEX OUTLET, 20A 3PG
T	LINE VOLTAGE THERMOSTAT, PROVIDED & INSTALLED BY ELECTRICAL, CONNECTED COMPLETE BY MECHANICAL
	SURFACE MOUNTED WIREMOLD RACEWAY WITH RECEPTACLES AS INDICATED ON PLANS
	TERMINAL MOUNTING BACKBOARD, 3/4" PLYWOOD, DIMENSIONS AS NOTED ON PLANS, PAINT TO MATCH ADJACENT WALL SURFACE, MAINTAINING UL FIRE LABEL VISIBLE
	TELEPHONE OUTLET, UP 18" U.O.N.
w	TELEPHONE OUTLET, UP 48" U.O.N.
2D	COMBINED TELEPHONE/DATA OUTLET, UP 18" U.O.N.
	NUMBER INDICATES QUANTITY OF DATA OUTLET JACKS
	COMBINED VOICE/DATA OUTLET, MOUNTED ABOVE COUNTER U.O.N.
	INTERCOM HANDSET, UP 48" U.O.N.
WAP	WIRELESS ACCESS POINT (WAP) W/CAT6 CABLE/JACKS AT CEILING
	WALL MOUNTED SIGNAL SYSTEM CLOCK, UP 96" U.O.N.
TV	WALL MOUNTED VIDEO OUTLET, UP 18" U.O.N.
	FLUSH WALL MOUNTED INDOOR PUBLIC ADDRESS SPEAKER, UP 96" U.O.N.
	FLUSH WALL MOUNTED OUTDOOR WEATHERPROOF PUBLIC ADDRESS SPEAKER
	FLUSH CEILING MOUNTED INDOOR PUBLIC ADDRESS SPEAKER
	FLUSH WALL MOUNTED INDOOR PUBLIC ADDRESS SPEAKER & SIGNAL SYSTEM CLOCK, UP 96" U.O.N.
F	FIRE ALARM SYSTEM MANUAL PULL STATION, UP 48" U.O.N.
F 110	FIRE ALARM SYSTEM HORN/STROBE, UP 80" U.O.N. NUMBER ADJACENT INDICATES CANDELA VALUE FOR STROBE
F 110	WEATHERPROOF FIRE ALARM SYSTEM HORN/STROBE, UP 80" U.O.N. NUMBER ADJACENT INDICATES CANDELA VALUE FOR STROBE
F 110	FIRE ALARM SYSTEM HORN/STROBE, CEILING MOUNTED. NUMBER ADJACENT INDICATES CANDELA VALUE FOR STROBE
S 110	FIRE ALARM SYSTEM STROBE, UP 80" U.O.N. NUMBER ADJACENT INDICATES CANDELA VALUE FOR STROBE
S 110	FIRE ALARM SYSTEM STROBE, CEILING MOUNTED. NUMBER ADJACENT INDICATES CANDELA VALUE FOR STROBE
H	WEATHERPROOF FIRE ALARM SYSTEM HORN, UP 90" U.O.N.
V 110	FIRE ALARM SYSTEM SPEAKER/STROBE, UP 80" U.O.N. NUMBER ADJACENT INDICATES CANDELA VALUE FOR STROBE
V 110	FIRE ALARM SYSTEM SPEAKER/STROBE, CEILING MOUNTED. NUMBER ADJACENT INDICATES CANDELA VALUE FOR STROBE
S	FIRE ALARM SYSTEM SPEAKER, UP 90" U.O.N.
S	WEATHERPROOF FIRE ALARM SYSTEM SPEAKER, UP 90" U.O.N.
S	FIRE ALARM SYSTEM SPEAKER, CEILING MOUNTED
M	WALL MOUNTED ELECTROMAGNETIC DOOR HOLD-OPEN DEVICE, FURNISHED BY DIV. 8, INSTALLED & CONNECTED COMPLETE TO FIRE ALARM SYSTEM BY DIV. 28
FS	FIRE ALARM SYSTEM SPRINKLER FLOW SWITCH. PROVIDE MONITOR MODULE
TS	FIRE ALARM SYSTEM SPRINKLER VALVE SUPERVISORY SWITCH. PROVIDE MONITOR MODULE
PIV	POST INDICATING VALVE
	SPRINKLER FLOW ALARM (PROVIDE BY SPRINKLER CONTRACTOR). CONNECT COMPLETE VIA WATER FLOW SWITCH AUX. CONTACTS
S	FIRE ALARM SYSTEM SMOKE DETECTOR
S	FIRE ALARM SYSTEM CEILING MOUNTED SMOKE DETECTOR PROGRAMMED FOR AUTOMATIC RECALL OF ELEVATOR
H	FIRE ALARM SYSTEM HEAT DETECTOR
H	FIRE ALARM SYSTEM HVAC DUCT MOUNTED SMOKE DETECTOR. COORDINATE WITH MECHANICAL FOR SUPPLY. INSTALL AND COMPLETE CONNECTION (INCLUDING CONTROL OF HVAC EQUIPMENT) - SEE SPECIFICATIONS
M	FIRE ALARM SYSTEM MONITOR MODULE
C	FIRE ALARM SYSTEM CONTROL MODULE
R	FIRE ALARM SYSTEM RELAY MODULE
CO	FIRE ALARM SYSTEM CEILING MOUNTED CARBON MONOXIDE DETECTOR WITH SOUNDER BASE
	FIRE ALARM SYSTEM CEILING MOUNTED AIR SAMPLING PORT

GENERAL NOTES

1. PRIOR TO BID THE CONTRACTOR SHALL VISIT THE SITE TO ADEQUATELY DETERMINE ALL PRE-EXISTING CONDITIONS. BY THE ACT OF SUBMITTING A BID, THE CONTRACTOR WILL BE DEEMED TO HAVE COMPLIED WITH THE FOREGOING, TO HAVE ACCEPTED SUCH CONDITIONS, AND TO HAVE MADE ALLOWANCES THEREFORE IN PREPARING THE BID.
2. PROVIDE PARITY SIZED GREEN GROUND WIRE IN ALL POWER CONDUITS, BRANCH CIRCUITS (LIGHTING & POWER) AND HOMERUNS. PROVIDE ADDITIONAL ISOLATED GROUND, GREEN WITH YELLOW STRIPE, TO ALL ISOLATED GROUND RECEPTACLES.
3. PROVIDE PULLROPE IN ALL EMPTY CONDUITS THROUGHOUT THE PROJECT.
4. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION & CONNECTION REQUIREMENTS OF ALL LUMINAIRE(S) AND ALL OUTLET, SWITCH, AND ELECTRICAL RELATED DEVICE MOUNTING HEIGHTS AND LOCATIONS. COORDINATE LOCATIONS OF ALL LUMINAIRE(S) AND JUNCTION BOXES WITH MECHANICAL DIVISION PRIOR TO ROUGH-IN. COORDINATE LOCATIONS OF ELECTRICAL DEVICES WITH FURNITURE PLANS PRIOR TO ROUGH-IN.
5. REFER TO MECHANICAL PLANS FOR EXACT LOCATION(S) OF ALL MECHANICAL EQUIPMENT, AND CONFIRM EXACT CONNECTION REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL DIVISION, PRIOR TO ROUGH-IN. VERIFY EXACT REQUIREMENTS FOR VOLTAGE, PHASE, HORSE-POWER, OR KVA RATINGS, OF ALL MECHANICAL DIVISION EQUIPMENT REQUIRING ELECTRICAL CONNECTION.
6. VERIFY EXACT CONNECTION REQUIREMENTS, OUTLET TYPE(S), MOUNTING HEIGHT(S) AND LOCATION(S) OF ALL OWNER-SUPPLIED EQUIPMENT, AND ALL EQUIPMENT PROVIDED UNDER OTHER SECTIONS OF THE SPECIFICATIONS, PRIOR TO ROUGH-IN. REFER TO ARCHITECTURAL DRAWINGS FOR EQUIPMENT LOCATIONS.
7. COORDINATE TRENCHING WITH OWNER AND OTHER TRADES BEFORE BEGINNING WORK.
8. ALL CONDUIT PENETRATIONS THROUGH FIRE-RATED WALLS AND FLOORS SHALL BE SEALED AND EQUIPPED WITH U.L. LISTED FIRE PENETRATION ASSEMBLIES TO MAINTAIN FIRE SEPARATION RATING.
9. DO NOT INSTALL ANY OUTLETS BACK TO BACK IN STUD WALLS OR DE-MOUNTABLE PARTITIONS.
10. THE CONTRACTOR SHALL VERIFY ALL CEILING TYPES BEFORE ORDERING OF LUMINAIRE(S). ALSO VERIFY THAT ALL FEATURES CALLED FOR IN LUMINAIRE DESCRIPTIONS ON THE LUMINAIRE SCHEDULE ARE INCLUDED WITH CATALOG NUMBERS LISTED ON THE LUMINAIRE SCHEDULE WHEN LUMINAIRE ORDERS ARE PLACED, AND ARE INCLUDED AS PART OF THE LIGHTING SUBMITTALS FOR THIS PROJECT. IF A DISCREPANCY EXISTS, CONTACT THE ARCHITECT AND ELECTRICAL ENGINEER FOR CLARIFICATION PRIOR TO BID.
11. CIRCUITRY AND CONDUIT ROUTING SHOWN ON THE PLANS IS DIAGRAMMATIC ONLY. THIS CONTRACTOR IS RESPONSIBLE FOR BECOMING COMPLETELY FAMILIAR WITH THE ARCHITECTURAL AND STRUCTURAL CONDITIONS AND LIMITATIONS IN THE BUILDING AND TO PROVIDE ALL LABOR, TOOLS AND MATERIALS REQUIRED TO PRODUCE A COMPLETELY CONCEALED INSTALLATION WHEREVER INDICATED ON THE PLANS.
12. MAINTAIN "AS-BUILT" RECORDS AT ALL TIMES, SHOWING EXACT LOCATION OF ALL UNDERGROUND AND/OR CONCEALED CONDUITS AND SERVICES INSTALLED UNDER THIS CONTRACT, INCLUDING CIRCUIT IDENTIFICATION WHERE APPLICABLE. PROVIDE OWNER WITH "AS-BUILT" DOCUMENTS AS INDICATED IN THE SPECIFICATIONS, AND/OR CALLED FOR IN THE SPECIFICATIONS.
13. DRAWINGS INDICATE THE LOCATION(S) OF DEVICES, LUMINAIRE(S) AND EQUIPMENT, AND THE CIRCUIT NUMBER AND PANEL DESIGNATED TO SUPPLY THEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETELY CONNECTING ALL ELECTRICAL DEVICES TO CIRCUITS INDICATED ON THE DRAWINGS.
14. UNLESS OTHERWISE NOTED, ALL WORK SHOWN ON DRAWINGS IS NEW AND TO BE PROVIDED AND INSTALLED COMPLETE UNDER THIS CONTRACT.
15. ALL EQUIPMENT GROUNDING SHALL CONFORM TO ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE, LATEST EDITION.
16. ALL EXTERIOR CONDUIT ABOVE GRADE, INCLUDING ALL ROOF MOUNTED CONDUIT, SHALL BE GALVANIZED RIGID STEEL. COAT ALL EXPOSED THREADS WITH GALVANIZING PAINT. PAINT ALL SURFACE MOUNTED RACEWAYS AND PULLBOXES TO MATCH SURROUNDING CONDITIONS, AS DIRECTED BY THE ARCHITECT.
17. ALL ELECTRICAL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE LATEST EDITION OF THE N.E.C., AS WELL AS STATE, AND LOCAL CODES AND REQUIREMENTS.
18. ALL CONDUIT SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
19. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THE AVAILABLE SHORT CIRCUIT CURRENT AT THE MAIN SWITCHBOARD INCOMING TERMINALS WITH THE UTILITY COMPANY, AND TO VERIFY THAT ALL POWER AND SIGNAL SERVICE PROVISIONS, INCLUDING CONCRETE EQUIPMENT PADS, CONDUITS, PULLBOXES AND CLEARANCES, MEET THE UTILITY COMPANY'S REQUIREMENTS, PRIOR TO INSTALLATION.
20. EQUIPMENT OVERLOADS AND FUSES SHALL BE PROVIDED AND INSTALLED AS PER NAME PLATE ON THE EQUIPMENT ACTUALLY PROVIDED.
21. THE CONTRACTOR SHALL PAY FOR ALL REQUIRED PERMITS AND INSPECTION FEES.
22. THE CONTRACTOR SHALL VERIFY ALL CRITICAL DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.
23. ALL EXIT SIGNS SHALL COMPLY WITH THE RELEVANT PORTIONS OF SECTIONS 1008 AND 1013 OF THE CBC.
24. ALL MECHANICAL DIVISION EQUIPMENT LOW VOLTAGE CONTROL WIRING AND RACEWAY SHALL BE PROVIDED AND INSTALLED AS SPECIFIED IN MECHANICAL DIVISION U.O.N.
25. COORDINATE INSTALLATION OF ALL RECESSED LUMINAIRE(S) WITH MECHANICAL DIVISION PRIOR TO INSTALLATION OF HVAC DUCTS AND SPRINKLER HEADS. ENSURE AFTER INSTALLATION OF LUMINAIRE(S) THAT THERE IS NO CONTACT BETWEEN DUCTS AND LUMINAIRE(S) TO AVOID VIBRATION IN LUMINAIRE(S).
26. USE FLEXIBLE CONDUIT FOR ALL MOTOR, TRANSFORMER, RECESSED LUMINAIRE CONNECTIONS, AND CONNECTIONS BETWEEN TWO SEPARATE STRUCTURES AND FOR ALL FINAL CONNECTIONS TO "CRITICAL EQUIPMENT" AS DEFINED IN SPECIFICATIONS. MINIMUM 1/2" DIAMETER, LIQUID TIGHT TYPE USED OUTDOORS AND IN ALL WET LOCATIONS; PROVIDE WITH CODE-SIZE (MINIMUM #12) BARE GROUND WIRE IN ALL FLEXIBLE CONDUIT.
27. PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR ALL BRANCH CIRCUITS FEEDING OUTLETS AS NOTED ON THE DRAWINGS.
28. FOR FLUSH MOUNTED PANELBOARDS THE CONTRACTOR SHALL STUB A MINIMUM OF FOUR (4) 3/4" CONDUITS FROM THE PANEL UP INTO THE ACCESSIBLE CEILING ABOVE FOR FUTURE CIRCUITS.
29. ALL CONDUIT CONNECTORS TO OUTLET OR JUNCTION BOXES SHALL HAVE INSULATED THROATS (MANUFACTURED AS AN INTEGRAL PART OF THE CONNECTOR). AFTER-MARKET INSERTABLE THROATS ARE NOT ACCEPTABLE.
30. ALL CIRCUITS IN ALL JUNCTION BOXES AND DEVICES SHALL BE CLEARLY IDENTIFIED BY MEANS OF "EZ" NUMBERING TAGS OR EQUIVALENT, TO IDENTIFY THE CIRCUIT NUMBER OR RELAY SUPPLYING THE CONDUCTOR. ALL JUNCTION BOXES SHALL BE LABELED PER SPECIFICATIONS.
31. ALL SURFACE MOUNTED POWER AND SIGNAL BOXES IN FINISHED AREAS SHALL BE "WIREMOLD" TYPE, WITH MATCHING RACEWAYS. SURFACE MOUNTED STEEL JUNCTION BOXES AND/OR EMT ARE NOT ACCEPTABLE.
32. ALL LOCATIONS OF BARE METAL SURFACE MOUNTED CONDUIT, BOXES, PANELBOARDS, AND RELATED FITTINGS OR ACCESSORIES INSTALLED IN FINISHED AREAS (BOTH INTERIOR AND EXTERIOR) SHALL BE FINISH PAINTED TO MATCH THE SURFACE TO WHICH THEY ARE MOUNTED TO (AFTER INSTALLATION). PAINTING SHALL INCLUDE DIFFERENT COLORS AS REQUIRED TO MATCH SURROUNDING CONDITIONS OR OTHER BUILDING FEATURES TO WHICH THE EQUIPMENT IS ATTACHED AND VISIBLE. VERIFY EXACT JUNCTION BOX LOCATION(S) AND ROUTING OF EXPOSED RACEWAYS WITH THE ARCHITECT PRIOR TO ROUGH-IN.
33. PROVIDE A BLANK COVER PLATE (COLOR TO MATCH ADJACENT DEVICES OR AS SPECIFICALLY CALLED FOR IN SPECIFICATIONS) FOR ALL JUNCTION BOXES (NEW AND EXISTING) ON THE PROJECT WHEN NO DEVICE IS INSTALLED.
34. FOR OUTDOOR 15 AND 20-AMPERE, 125 AND 250-VOLT RECEPTACLES: RECEPTACLES LOCATED IN "WET" LOCATIONS SHALL HAVE "IN-USE" TYPE WEATHERPROOF COVER PLATES PROVIDED AND INSTALLED; RECEPTACLES LOCATED IN "DAMP" LOCATIONS SHALL HAVE "IN-USE" TYPE WEATHERPROOF COVER PLATES IN LOCATIONS DEEMED TO BE "IN-USE" WITH CORD AND PLUG ATTACHED.
35. TWO OR THREE DIFFERENT PHASES SUPPLIED BY A 3-PHASE PANEL MAY SHARE A SINGLE NEUTRAL ONLY IF CIRCUIT POSITIONS ARE ADJACENT IN THE PANEL. PROVIDE COMMON HANDLE-TIE ON BREAKERS FOR MULTI-WIRE BRANCH CIRCUITS, WITH COMMON NEUTRAL, PER NEC REQUIREMENTS.
36. WHEN SERIES RATING IS USED ON ANY CIRCUIT BREAKER ON THIS PROJECT PROVIDE A FIELD MARKING PER CEC 110-22 ON THE EQUIPMENT COVER THAT IS VISIBLE TO MAINTENANCE PERSONNEL INDICATING THAT THE BREAKER HAS BEEN APPLIED WITH A SERIES COMBINATION RATING.
37. ALL RECEPTACLES IN LOCATIONS IDENTIFIED IN NEC 406.12 (I.E. DWELLING UNITS, HOTEL/MOTEL GUEST ROOMS, CHILD CARE, PRESCHOOL, K-12 SCHOOLS, BUSINESS OFFICE COMMON AREAS, IN CLINICS, MEDICAL AND OUTPATIENT FACILITIES, ASSEMBLY AREA COMMON AREAS, DORMITORY UNITS, AND ASSISTED LIVING UNITS) SHALL BE TAMPER RESISTANT.

LIST OF DRAWINGS

E0.01 SYMBOLS LIST, GENERAL NOTES & LIST OF DRAWINGS

E1.01 SITE PLAN - ELECTRICAL
E7.01 DETAILS

FE0.01 FIRE ALARM EQUIPMENT LIST, NOTES & DETAILS
FE1.01 SITE PLAN - FIRE ALARM

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-121299 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 2/13/2024

PLUM | architects
936 Clement St, San Francisco CA 94118
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Revisions

Project 2314

Pittsburg Adult School: ESL Restroom Portable

1151 Stoneman Avenue
Pittsburg, CA 94565
Pittsburg Unified School District

Sheet

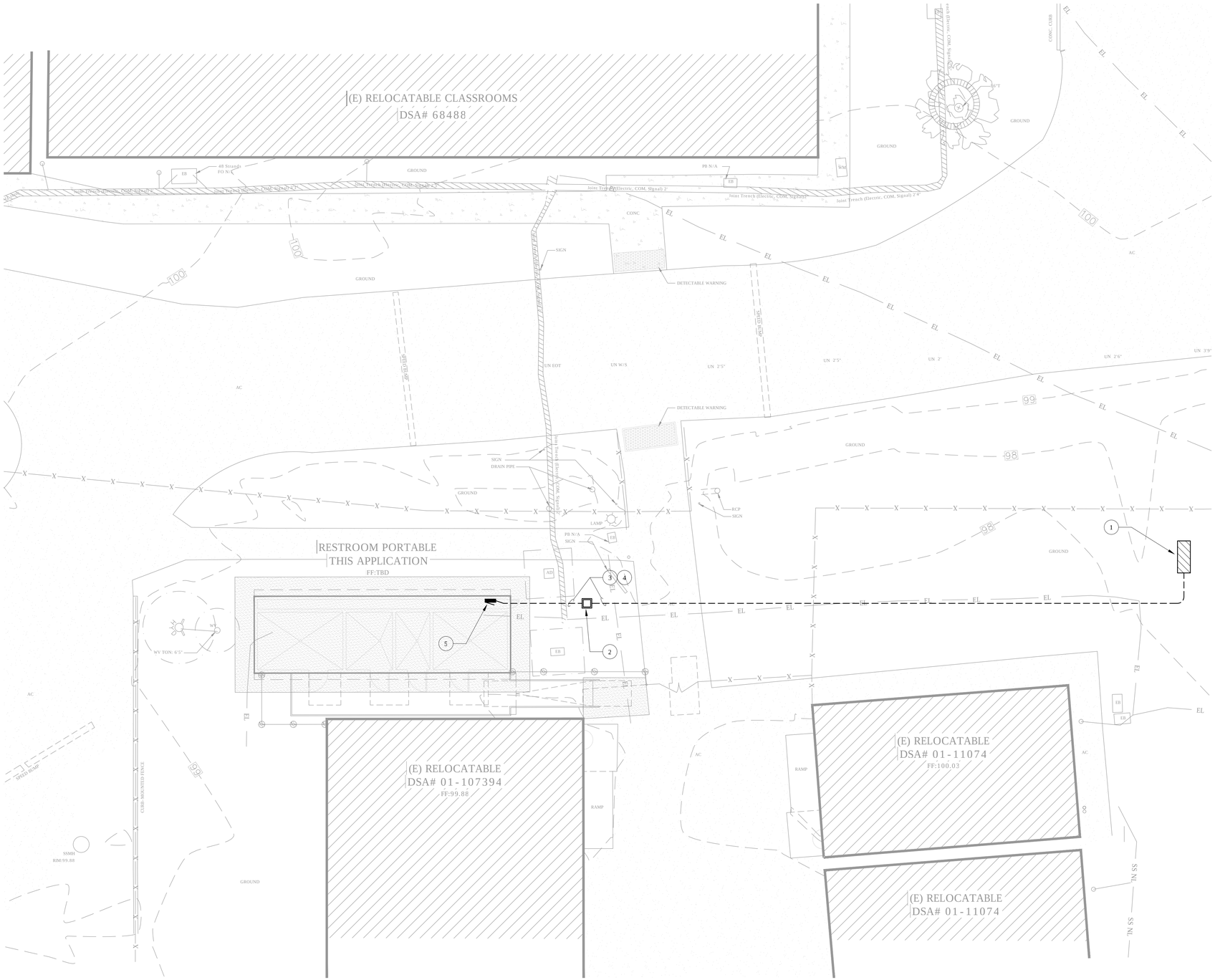
SYMBOLS LIST, GENERAL NOTES & LIST OF DRWS

E0.01

Date

August 24, 2023

PITTSBURG USD ADULT SCHOOL RESTROOM PORTABLE – 223103



SITE PLAN - ELECTRICAL

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

1 / E1.01

NORTH

NUMBERED SHEET NOTES

1. (E) SWITCHBOARD - PROVIDE (N) 100A/2P BREAKER IN (E) SPACE AND USE TO FEED (N) PORTABLE BUILDING. (N) BREAKER TO MATCH EXISTING IN MAKE/MODEL AND AIC RATING.
2. PROVIDE (N) TRAFFIC/PEDESTRIAN-RATED FLUSH IN-GROUND PULLBOX (CHRISTY #N16 OR EQUAL) - TYP. FIRE ALARM PULLBOX.
3. PROVIDE (N) FEEDER UNDERGROUND TO (N) PORTABLE BUILDING AS SHOWN - SEE SINGLE LINE DIAGRAM FOR EXACT REQUIREMENTS. VERIFY EXACT ROUTING IN THE FIELD. SEAL ALL PENETRATIONS THROUGH FIRE-RATED WALLS - SEE 1, 2, & 3/E7.01.
4. COORDINATE EXACT TRENCH ROUTE WITH (E) UNDERGROUND UTILITIES IN THE FIELD. PROTECT IN PLACE ALL (E) INFRASTRUCTURE TO REMAIN.
5. BUILDING POWER PANEL PROVIDED BY MANUFACTURER - PROVIDE (N) FEED FROM SWITCHBOARD AND CONNECT COMPLETE AS SHOWN. SEE 5/E7.01.

IDENTIFICATION STAMP
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ELECTRICAL
STATE OF CALIFORNIA

O'MAHONY & MYER
ELECTRICAL ENGINEERING and LIGHTING DESIGN
4340 REDWOOD HWY., SUITE 245
SAN RAFAEL, CALIFORNIA 94903
(415) 492-0420/FAX (415) 479-9662
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Revisions

Project 2314

Pittsburg Adult School: ESL Restroom Portable

1151 Stoneman Avenue
Pittsburg, CA 94565
Pittsburg Unified School District

Sheet

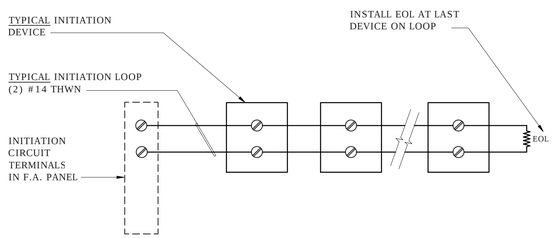
SITE PLAN - ELECTRICAL

E1.01

Date

August 24, 2023

PITTSBURG USD ADULT SCHOOL RESTROOM PORTABLE – 223103



TYPICAL CONVENTIONAL INITIATION CIRCUIT LOOP WIRING
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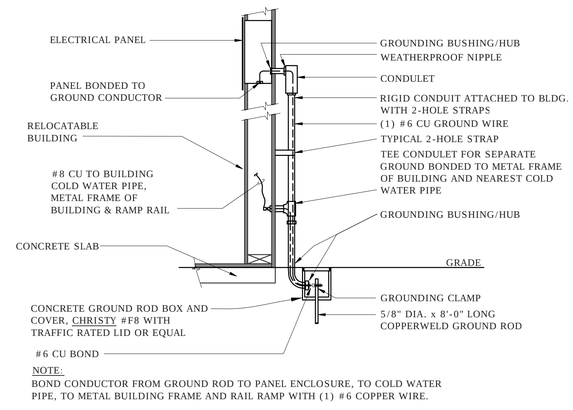
7 / E7.01



NOTE:
BOND CONDUCTOR FROM GROUND ROD TO PANEL ENCLOSURE, TO COLD WATER PIPE, TO METAL BUILDING FRAME AND RAIL RAMP WITH (1) #6 COPPER WIRE.

RELOCATABLE BUILDING GROUNDING DETAIL
SCALE: NONE
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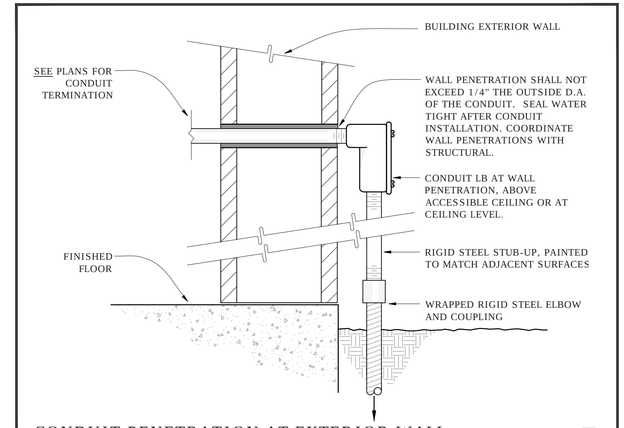
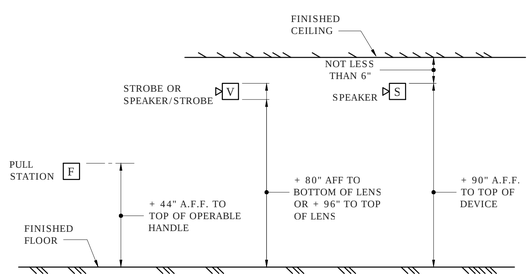
4 / E7.01



CONDUIT PENETRATION AT EXTERIOR WALL
SCALE: NONE
1 / E7.01



FIRE ALARM DEVICE MOUNTING HEIGHT DETAIL
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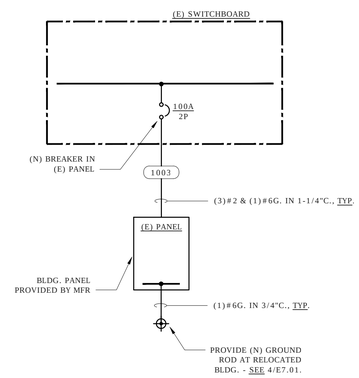
8 / E7.01



SINGLE LINE DIAGRAM - POWER
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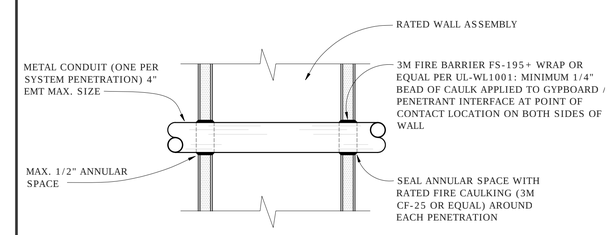
5 / E7.01



CONDUIT PENETRATION IN RATED WALL - UL WL1001
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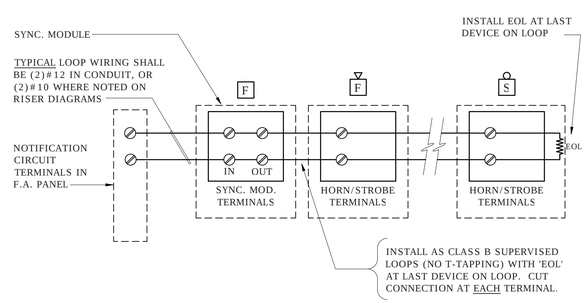
2 / E7.01



TYPICAL NOTIFICATION CIRCUIT LOOP WIRING
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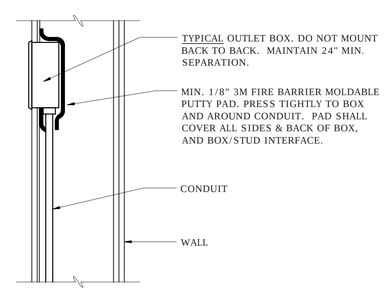
6 / E7.01



BOX PENETRATION IN RATED WALLS
SCALE: NONE
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3 / E7.01

IDENTIFICATION STAMP
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APP: 01-121299 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 2/13/2024

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936 Clement St, San Francisco CA 94118
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REGISTERED PROFESSIONAL ENGINEER
GARRAY O'MAHONY
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Date
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PITTSBURG USD ADULT SCHOOL RESTROOM PORTABLE – 223103

GENERAL FIRE ALARM NOTES

1. FINAL FIRE ALARM TEST SHALL BE MADE WITH THE DSA INSPECTOR OF RECORD (IOR). LOCAL FIRE AUTHORITY SHALL BE NOTIFIED OF DATE AND TIME OF FINAL ALARM TESTING AND SHALL ASSIST/WITNESS SUCH TESTING WHEN ABLE. DSA/ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF (48) HOURS PRIOR TO THE FINAL INSPECTION AND/OR TESTING.
2. FIRE ALARM CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2. MONITORING SHALL BE TESTED AND VERIFIED AS SENDING THE CORRECT SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST. OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT AND/OR PROVISIONS
3. UNDERGROUND AND EXTERIOR CONDUITS SHALL HAVE WATERTIGHT FITTINGS.
4. FIRE ALARM DEVICE MOUNTING HEIGHTS:

   PULL STATION: 44" TO TOP OF OPERATOR ABOVE FINISHED FLOOR.

   SPEAKER/HORN: 90" MIN. TO TOP OF DEVICE ABOVE FINISHED FLOOR, OR 100" MAX TO TOP OF DEVICE, BUT NOT LESS THAN 6" FROM CEILING.

   WALL MOUNTED STROBE OR SPEAKER/HORN/STROBE: BETWEEN 80" TO BOTTOM OF DEVICE LENS TO +96" TO TOP OF DEVICE LENS ABOVE FINISH FLOOR, BUT NOT LESS THAN 6" FROM CEILING.
5. AUDIBLE FIRE ALARM SYSTEM LEVEL SHALL BE AT LEAST 15dBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL IN ALL OCCUPIABLE AREAS, OR 5 dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, MEASURED AT 5 FEET ABOVE THE FLOOR. AUDIBLE SIGNALS SHALL NOT BE LESS THAN 75dBA AT 10 FEET, OR MORE THAN 110dBA AT THE MINIMUM HEARING DISTANCE.
6. AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL THREE DISTINCTIVE FIRE ALARM SOUND PER NFPA 72.
7. APPLICABLE CODES:

   a. CBC 2022; CEC 2022; CMC 2022; CFC 2022.

   b. STATE FIRE MARSHAL TITLE 19, PUBLIC SAFETY.

   c. NFPA 72, 2022 EDITION W/CA AMENDMENTS, FIRE ALARM CODE.
8. STROBES SHALL FLASH AT A RATE NOT EXCEEDING TWO FLASHES PER SECOND, AND NOT LESS THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELA. VISUAL DEVICES WITHIN 55 FEET OF EACH OTHER SHALL BE SYNCHRONIZED.
9. FIRE ALARM CONTRACTOR SHALL PROVIDE A COPY OF NFPA 72 SYSTEM RECORD OF COMPLETION, SYSTEM RECORD OF INSPECTION AND TESTING, AND THE "EMERGENCY COMMUNICATIONS SUPPLEMENTARY RECORD OF COMPLETION", TO THE INSPECTOR OF RECORD IOR/DSA, SCHOOL DISTRICT, ARCHITECT AND LOCAL FIRE AUTHORITY.
10. POWER SERVICE TO THE FACP, REMOTE POWER SUPPLIES, AND CENTRAL STATION AUTO DIALER SHALL BE ON A DEDICATED BRANCH CIRCUIT WITH A RED MARKING AND IDENTIFIED AS "FIRE ALARM CIRCUIT CONTROL".
11. INSTALL ALL WIRING IN CONDUIT, MIN. 3/4" CONDUIT. ALL FIRE ALARM SYSTEM WIRING SHALL BE FPL (FIRE POWER LIMITED) OR FPLP (FIRE POWER LIMITED PLENUM RATED) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE THHN OR THWN.
12. CONDUIT AND WIRING SHALL BE PER MANUFACTURERS REQUIREMENTS.
13. ALL FIRE ALARM COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICES/EQPT. SHALL EXCEED 20LBS. WITHOUT SPECIAL MOUNTING DETAILS.
14. INSTALLATION OF SYSTEM SHALL NOT BE STARTED UNTIL COMPLETE SET OF CONSTRUCTION DOCUMENTS (WITH DEVICE TYPES AND LISTING(S) HAVE BEEN REVIEWED AND APPROVED BY DSA.
15. A STAMPED SET OF APPROVED PLANS SHALL BE ON THE JOB SITE AT ALL TIMES AND SHALL BE USED FOR INSTALLATION.
16. ANY DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND ARCHITECT/ENGINEER OF RECORD.
17. THE CONTRACTOR SHALL INSTALL AND ADJUST ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.
18. SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1 FOOT FROM FIRE SPRINKLER HEADS OR 3 FEET FROM ANY SUPPLY DIFFUSER. IN AREAS OF CONSTRUCTION OR POSSIBLE DAMAGE /CONTAMINATION, INSTALLED DEVICES SHALL BE COVERED UNTIL AREA IS READY TO BE TURNED OVER TO THE OWNER.
19. PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE ALARM DEVICE. DO NOT SPLICE WIRE. THERE MUST BE AT LEAST 6" OF WIRE LEAD FROM THE BOX TO THE DEVICE. ALL BOXES TO BE SIZED PER CEC FOR PROPER VOLUME WITH INSTALLED WIRING AND DEVICES.
20. SUPERVISING STATION: AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72, AS AMENDED BY CFC CHAPTER 80. THE SUPERVISION STATION SHALL BE LISTED AS EITHER UUFX OR UUJS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011.
21. A DOCUMENTATION CABINET SHALL BE INSTALLED ADJACENT TO THE FACP IN THE MAIN ELECTRICAL ROOM (NFPA 72, 7.7.2.1). SPACE AGE ELECTRONICS INC, ACERBOX FAD SERIES (#SSU00685 OR EQUAL).
22. ALL RECORD DOCUMENTATION SHALL BE STORED IN THE DOCUMENTATION CABINET (NFPA 72, 7.7.2.3): PROVIDE NAMEPLATE "FIRE ALARM SYSTEM RECORD DOCUMENTS" (NFPA 72, 7.7.2.5).
23. FIRE ALARM MANUAL PULLSTATIONS SHALL MEET THE CALIFORNIA ACCESSIBILITY REQUIREMENTS OUTLINED IN THE CBC ("CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE TO ACTIVATE THE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS OF FORCE". REFER TO DSA ACCESSIBILITY STAFF FOR QUESTIONS OR CLARIFICATION.)
24. ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECTION SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CBC CHAPTER 7, UL OR OTHER APPROVED LAB TESTING CRITERIA. APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATIONS WITHIN THE FIRE ALARM SECTION.
25. MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE WITH CBC SECTIONS 11B-305 AND 11B-308.

SEQUENCE OF OPERATION

1. MANUAL PULL STATION - WHEN A PULL STATION IS PULLED, IT SHALL ANNUNCIATE AN ALARM AT THE FACP. ALARM SHALL ACTIVATE ALL AUDIO AND VISUAL DEVICES THROUGHOUT THE CAMPUS.
2. SMOKE AND HEAT DETECTORS - WHEN A SMOKE OR HEAT DETECTOR IS ACTIVATED, IT SHALL ANNUNCIATE AN ALARM AT THE FACP. ALARM SHALL ACTIVATE ALL AUDIO AND VISUAL DEVICES THROUGHOUT THE CAMPUS.
3. ANY BUILDING POWER FAILURE- IF THE BUILDING LOSES POWER, THE FAILURE SHALL SHOW UP AS A TROUBLE SIGNAL ON THE FACP. THE SYSTEM SHALL STAY ACTIVE ON BATTERY BACK-UP POWER IN ACCORDANCE WITH THE STATE FIRE CODE.
4. SYSTEM SHALL INDICATE TROUBLE ALARMS FOR ALL SYSTEM FAULTS (i.e. GROUND FAULTS, SHORTS, OPEN CIRCUITS, BATTERY DISCONNECT, ETC.).
5. FIRE/SMOKE DAMPERS - WHEN A FIRE/SMOKE DAMPER SMOKE DETECTOR IS ACTIVATED, IT SHALL ANNUNCIATE AN ALARM AT THE MAIN FACP. ALARM SHALL ACTIVATE ALL AUDIO AND VISUAL DEVICES THROUGHOUT THE CAMPUS AND SHALL SHUT DOWN THE ASSOCIATED HVAC UNIT.
6. FIRE SPRINKLER SYSTEM - WHEN A FLOW SWITCH IS ACTIVATED, IT SHALL ANNUNCIATE AN ALARM AT THE MAIN FACP. ALARM SHALL ACTIVATE ALL AUDIO AND VISUAL DEVICES THROUGHOUT THE CAMPUS. WHEN TAMPER SWITCH IS ACTIVATED, IT SHALL ANNUNCIATE A SUPERVISORY ALARM AT THE MAIN FACP.
7. UPON ALARM CONDITION, AUTO DIALER TO NOTIFY THE SUPERVISING STATION, AND AUTHORIZED SCHOOL PERSONNEL TO NOTIFY THE FIRE DEPARTMENT AND INITIATE EVACUATION OF STUDENTS AND FACULTY AS PER THE SCHOOL'S EVACUATION PLAN.
8. UPON TROUBLE CONDITION, AUTO DIALER TO NOTIFY THE SUPERVISING STATION, AND AUTHORIZED SCHOOL PERSONNEL TO NOTIFY AUTHORIZED TECHNICIAN TO CORRECT THE TROUBLE CONDITION.
9. UPON CO DETECTION, IT SHALL ANNUNCIATE AN ALARM AT THE FACP AND REMOTE ANNUNCIATOR ONLY AND SHALL ACTIVATE THE CO DETECTOR SOUNDER BASE WITH TEMPORAL 4 FORM IN THE CLASSROOM. SCHOOL PERSONNEL TO NOTIFY THE OCCUPANTS IMMEDIATELY AND INITIATE EVACUATION OF STUDENTS & FACULTY.

FIRE ALARM SYSTEM DESCRIPTION

1. THE (E) FIRE ALARM SYSTEM IS AN AUTOMATIC ADDRESSABLE SYSTEM WITH STYLE 4, CLASS B WIRING FOR IDC'S, NAC'S, AND SLC'S.
2. PROVIDE COMPLETE CROSS TRIP CONNECTIONS, PROGRAMMING, AND ALL NECESSARY DEVICES FOR COMPLETE SYSTEMS INTEGRATION WITH THE EXISTING FACP.
3. CIRCUIT PATHWAY SURVIVABILITY SHALL BE LEVEL 1.
4. PROVIDE AND INSTALL NEW EQUIPMENT, DEVICES AND REQUIRED MODULES AND PROVIDE CONNECTIONS COMPLETE FOR A FULLY FUNCTIONING NETWORKED FIRE ALARM SYSTEM.
5. THE NAME OF THE SPECIFIC PERSON RESPONSIBLE FOR THE SYSTEM DESIGN IS GALWAY O'MAHONY (O'MAHONY & MYER).
6. SYSTEM INSTALLATION SHALL BE BY A LICENSED ELECTRICAL OR FIRE ALARM CONTRACTOR WITH A CALIFORNIA C-10 LICENSE, REGULARLY ENGAGED IN THE INSTALLATION AND COMMISSIONING OF FIRE ALARM SYSTEMS TO NFPA 72 STANDARDS. FIRE ALARM CONTRACTOR SHALL BE FACTORY-AUTHORIZED OF THE SPECIFIED SYSTEM MANUFACTURER. INSTALLING CONTRACTOR'S NAME AND CONTACT INFORMATION SHALL BE LISTED IN THE NFPA CLOSE OUT DOCUMENTATION AT COMPLETION OF PROJECT.

FIRE ALARM WIRING LEGEND

TAG	DESCRIPTION	CABLING
A	INITIATION CIRCUIT	(2) #16 TWISTED/UNSHIELDED
B	STROBE NOTIFICATION CIRCUIT(S)	(2) #12 THHN/THWN
C	CONVENTIONAL INITIATION CIRCUIT	(2) #14 THHN/THWN

NOTE:
CONTRACTOR SHALL VERIFY EXACT CABLE/WIRE TYPES WITH SYSTEM MANUFACTURER PRIOR TO ROUGH-IN. INSTALL WIRING IN WIREMOLD RACEWAYS (IN FINISH AREAS, I.E. CLASSROOMS, OFFICES, HALLWAYS, ETC.) AND IN 3/4" CONDUIT MIN. (IN UTILITY ROOMS).

FIRE ALARM SCOPE OF WORK

1. TERMINATE EACH NOTIFICATION LOOP TO THE FAEP AS SHOWN ON PLANS AND RISER DIAGRAMS.
2. T-TAP (E) INITIATION LOOP TO SUPPORT (N) DEVICES AS SHOWN.
3. PROVIDE A COMPLETE NETWORK FIRE ALARM SYSTEM, INCLUDING REMOTE POWER SUPPLY TERMINAL CABINETS, EXPANDER PANELS, AMPLIFIERS, MICS, OUTLETS, DEVICES AND WIRING FOR THE FACILITY AS SHOWN.
4. FINAL SYSTEM PROGRAMMING SHALL BE DONE BASED ON ACTUAL PHYSICAL ROOM NAMES AND NUMBERS USED AT THE SITE (IF DIFFERENT FROM THE ROOM NAMES OR NUMBERS SHOWN ON THE APPROVED PLANS).

BATTERY CALCULATIONS: (E) FAEP

STAND-BY REQUIRED: 24 Hours with 15 Minutes of Full Alarm

STANDBY CONDITION:	(E) LOAD	1	@	0.040	=	0.040	Amps	
			@		=	0.000	Amps	
	STAND-BY AMPS REQUIRED					0.040	x 24 Hours =	0.96 AH
ALARM CONDITION:	(E) LOAD	1	@	0.160	=	0.160	Amps	
			@		=	0.000	Amps	
	(N) CKT. N2		@	0.340	=	0.000	Amps	
	ALARM AMPS REQUIRED					0.160	x 15 Min. =	0.04 AH
								1.00 AH
							Total @ 125% =	1.25 AH Required

BATTERIES PROVIDED: EXISTING (2) 12V 7AH Power Sonic #PS-1270 Gel-Cells
Series connection for 24V 7AH Capacity

FIRE ALARM EQUIPMENT LIST

SYMBOL	DESCRIPTION	MANUFACTURER & MODEL NUMBER	CSFM LISTING NUMBER	STANDBY CURRENT	ALARM CURRENT
	(E) FIRE ALARM CONTROL PANEL (FOR REFERENCE)	FIRELITE MS-9200	7165-0075:158	-	-
	(E) FIRE ALARM EXPANDER PANEL (FOR REFERENCE)	FIRELITE FCPS-24S6	7315-0075:0206	-	-
	ADDRESSABLE MONITOR MODULE	FIRELITE MMF-301	7300-0075:0185	0.04mA	6.50mA
	CONVENTIONAL PHOTOELECTRIC SMOKE DETECTOR	FIRELITE 2151T	7272-1653:0122	0.12mA	23.00mA
-	DETECTOR BASE	FIRELITE B110LP	7300-1653:0109	0.00mA	130.00mA
	VISUAL STROBE, WALL MOUNT, SELECTABLE CANDELA, UL 1971 PUBLIC MODE NOTIFICATION	WHEELOCK STR	7125-0785:0168	-	-
			STROBE CKT: 15cd	0mA	57mA
			STROBE CKT: 30cd	0mA	85mA
			STROBE CKT: 75cd	0mA	135mA
			STROBE CKT: 110cd	0mA	182mA
	COMBINATION VISUAL STROBE AND AUDIBLE HORN, WALL MOUNT, SELECTABLE CANDELA, UL 1971 PUBLIC MODE NOTIFICATION, VISUAL DEVICE	WHEELOCK HSR	7125-0785:0168	-	-
			STROBE CKT: 15cd	0mA	82mA
			STROBE CKT: 30cd	0mA	102mA
			STROBE CKT: 75cd	0mA	148mA
			STROBE CKT: 110cd	0mA	197mA
	EXTERIOR AUDIBLE HORN W/ WBB-R BACKBOX FOR SURFACE OR WFP-R PLATE FOR FLUSH-MTD	WHEELOCK AH-24WP-R	7125-0785:0131	0mA	62mA

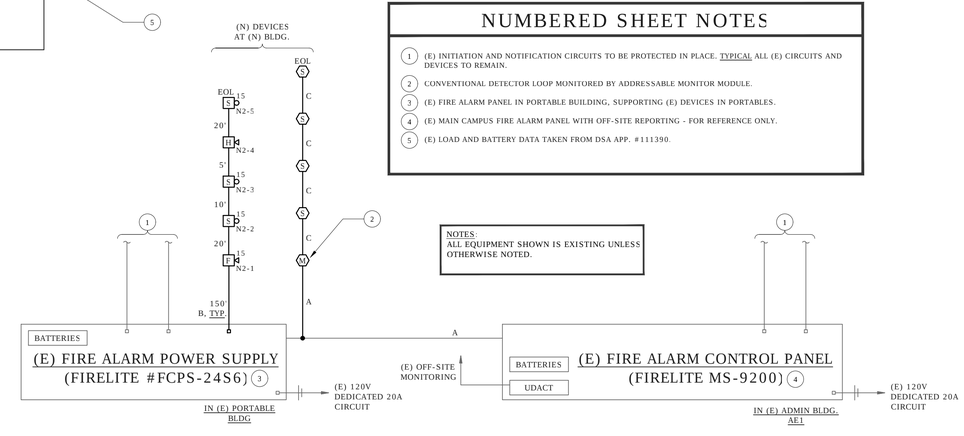
NOTICE TO CONTRACTORS:
THE SYSTEM DESIGN IS BASED ON THE PRODUCTS SHOWN ON THIS FIRE ALARM EQUIPMENT LIST AND HAS BEEN APPROVED BY DSA AS SUCH. DEVIATIONS FROM THE APPROVED DESIGN (FOR MANUFACTURER OR DEVICE LAYOUTS) MAY BE ALLOWED WITH THE APPROVAL BY THE ARCHITECT. HOWEVER, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REDESIGN AND RESUBMIT THE PLANS TO DSA FOR RE-APPROVAL.

NOTE:
DETECTOR SUBSCRIPTS:
"c" - DETECTOR IN ACCESSIBLE CEILING SPACE
"p" - DETECTOR WITHIN 36" OF PEAK

VOLTAGE DROP CALCULATIONS: N2

LOOP #N2: DC SUP. VOLTS= 20.4 WIRE= 12 OHMS/M FT= 1.93 TOTALS:

FEET :	150	20	10	5	20						205 FT.
DEVICE #:	N2-1	N2-2	N2-3	N2-4	N2-5						
mA LOAD:	82	57	62	57	82						340 mA
VOLTAGE:	20.20	20.18	20.18	20.17	20.17	20.17	20.17	20.17	20.17	20.17	1.1% V-DROP



NOTES:
ALL EQUIPMENT SHOWN IS EXISTING UNLESS OTHERWISE NOTED.

NUMBERED SHEET NOTES

1. (E) INITIATION AND NOTIFICATION CIRCUITS TO BE PROTECTED IN PLACE. TYPICAL ALL (E) CIRCUITS AND DEVICES TO REMAIN.
2. CONVENTIONAL DETECTOR LOOP MONITORED BY ADDRESSABLE MONITOR MODULE.
3. (E) FIRE ALARM PANEL IN PORTABLE BUILDING, SUPPORTING (E) DEVICES IN PORTABLES.
4. (E) MAIN CAMPUS FIRE ALARM PANEL WITH OFF-SITE REPORTING - FOR REFERENCE ONLY.
5. (E) LOAD AND BATTERY DATA TAKEN FROM DSA APP. #111390.

RISER DIAGRAM - FIRE ALARM
SCALE: NO SCALE
1 FE.01

IDENTIFICATION STAMP
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APP: 01-121299 INC:
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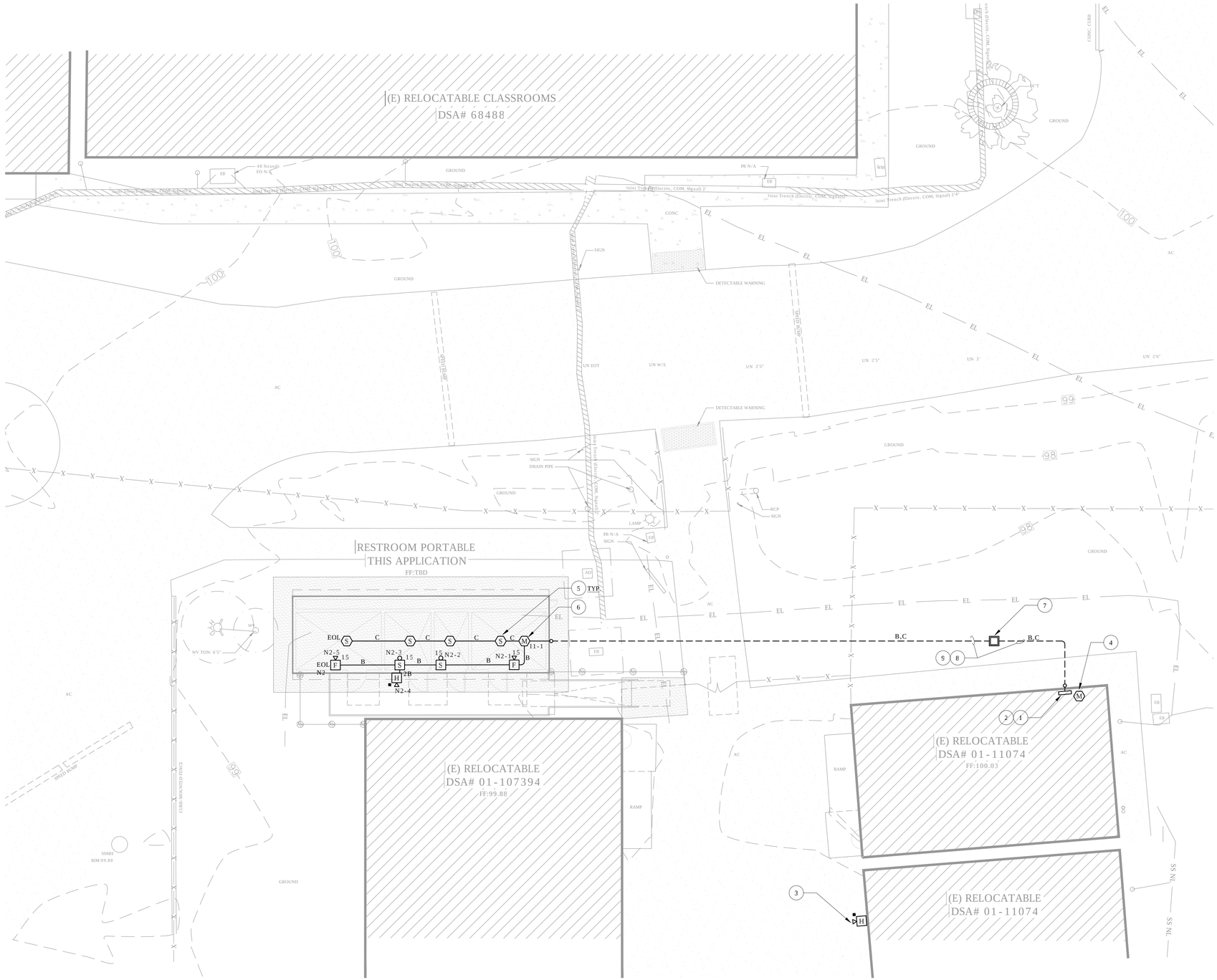
Pittsburg Unified School District

Sheet
FIRE ALARM EQUIP. LIST, NOTES & DETAILS
FE0.01

Date
August 24, 2023

PITTSBURG USD ADULT SCHOOL RESTROOM PORTABLE – 223103



SITE PLAN - FIRE ALARM

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

1 / FE1.01

NORTH

NUMBERED SHEET NOTES

1. (E) FIRE ALARM POWER SUPPLY (FIRELITE #FCPS-24FS6) INSTALLED UNDER DSA APP. #111390.
2. PROVIDE (N) NOTIFICATION CIRCUIT FROM SPARE OUTPUT AT (E) POWER SUPPLY AS SHOWN - SEE RISER DIAGRAM.
3. (E) EXTERIOR HORN - SHOWN FOR REFERENCE ONLY. PROTECT IN PLACE.
4. (E) ADDRESSABLE MONITOR MODULE - T-TAP (E) ADDRESSABLE CIRCUIT AT THIS LOCATION AND EXTEND TO (N) DEVICES AS SHOWN. SEE RISER DIAGRAM.
5. CONVENTIONAL DETECTOR ON CONVENTIONAL DETECTOR CIRCUIT, MONITORED BY ADDRESSABLE MONITOR MODULE CONNECTED TO CAMPUS FACP. TYPICAL ALL DETECTORS AT (N) BUILDING.
6. ADDRESSABLE MODULE TO MONITOR CONVENTIONAL DETECTOR CIRCUIT - SEE RISER DIAGRAM.
7. PROVIDE (N) TRAFFIC/PEDESTRIAN-RATED FLUSH IN-GROUND PULLBOX (CHRISTY #N16 OR EQUAL) - TYP. FIRE ALARM PULLBOX.
8. PROVIDE (N) 1"C. WITH (N) CABLING RUN FROM (E) FIRE ALARM PANEL TO (N) PORTABLE BUILDING AS SHOWN - SEE RISER DIAGRAM FOR EXACT REQUIREMENTS. VERIFY EXACT ROUTING IN THE FIELD. SEAL ALL PENETRATIONS THROUGH FIRE-RATED WALLS - SEE 1, 2, & 3/E7.01.
9. COORDINATE EXACT TRENCH ROUTE WITH (E) UNDERGROUND UTILITIES IN THE FIELD. PROTECT IN PLACE ALL (E) INFRASTRUCTURE TO REMAIN.

GENERAL NOTES

1. BUILDING IS SHORT-TERM RELOCATABLE USED FOR NON-INSTRUCTIONAL PURPOSES - NO VOICE/EVAC REQUIRED PER DSA IR 9-1(2.4.1).

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DIV. OF THE STATE ARCHITECT
APP: 01-121299 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 2/13/2024

PLUM | architects
936 Clement St, San Francisco CA 94118
TEL: 415-837-0900

REGISTERED PROFESSIONAL ENGINEER
GARRAY O'MAHONY
No. 18393
Exp. 6/30/24
ELECTRICAL
STATE OF CALIFORNIA

O'MAHONY & MYER
ELECTRICAL ENGINEERING and LIGHTING DESIGN
4340 REDWOOD HWY., SUITE 245
SAN RAFAEL, CALIFORNIA 94903
(415) 492-0420/FAX (415) 479-9662
www.ommconsulting.com

Revisions

Project 2314

Pittsburg Adult School: ESL Restroom Portable

1151 Stoneman Avenue
Pittsburg, CA 94565
Pittsburg Unified School District

Sheet

SITE PLAN - FIRE ALARM

FE1.01

Date
August 24, 2023

ENVIROPLEX, INC.

STEEL ORDINARY MOMENT RESISTING FRAME MODULAR BUILDING
(1) 12x40 BUILDING (480 S.F.)
PITTSBURG ADULT EDUCATION CENTER
PITTSBURG UNIFIED SCHOOL DISTRICT
SERIAL # 25319

GOVERNING CODES

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC) (PART 1, TITLE 24, CCR)

2022 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1 AND 2 (PART 2, TITLE 24, CCR)
(2021 INTERNATIONAL BUILDING CODE WITH 2022 CALIFORNIA AMENDMENTS)

AISI S200 - (WITH THE EXCEPTION THAT ENVIROPLEX COLD ROLLED STRUCTURAL SECTIONS ARE NOT GALVANIZED).

2022 CALIFORNIA ELECTRICAL CODE (PART 3, TITLE 24, CCR)
(2020 NATIONAL ELECTRICAL CODE WITH 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA MECHANICAL CODE (CMC) (PART 4, TITLE 24, CCR)
(2021 IAPMO UNIFORM MECHANICAL CODE WITH 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA PLUMBING CODE (CPC) (PART 5, TITLE 24, CCR)
(2021 IAPMO UNIFORM PLUMBING CODE WITH 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR).

2022 CALIFORNIA FIRE CODE (CFC) (PART 9, TITLE 24, CCR).
(2021 INTERNATIONAL FIRE CODE WITH 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (PART 11, TITLE 24, CCR)

2022 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)

NFPA 13 - 2022 - SEE CBC CHAPTER 35.

NFPA 72 - 2022 - SEE CBC CHAPTER 35.

OPT. COMBINATIONS ALLOWED

Option combination table
12'x40' PC

[X] applicable option selected for site specific project (to be marked/checked by PC manufacturer and verified by the design professional of the site specific project).

[ ] available option not used.

[shaded] option not allowed.

		Concrete foundation	Wood plate foundation
Exterior finish	Standard MDO w/ vertical grooves, cement board siding, lap siding, wood clad siding		X
	Stucc-o-flex: N/A at 2x4 stud walls - see sheet A4B.2		(not allowed)
	3-coat stucco: N/A at 2x4 stud walls - see sheet A4B.1		(not allowed)
Roof slope	Bi-pitch		X
	Shed		
Roof overhangs	Transverse endwalls		
	Longitudinal sidewalls		
Removable soffit metal panels			
Roof skylights	Sol-a-tubes		
Suspended canopies			
Awnings - see 4/AW2 for wall stud size requirements			
Floor load (see framing plans for joist spacing)	65 psf		X
Floor construction	1 1/8" plywood sheathing		X
	Concrete poured in pan		(not allowed)
Wall construction (see notes below for restrictions)	2x4 wood studs		X
	2x6 wood studs		
Fire rated const.	NR/Sprinklered		
	Ext. Fire barriers - 2x4 studs not allowed		
	Int. Fire Barriers - 2x4 and 2x6 studs allowed		

Notes:
1) 2x4 wood studs are NOT allowed for exterior walls on concrete floor.
2) Exterior recessed walls are only applicable at 2x4 wood studs on plywood floor sheathing.
3) See 18/S4.1 for wall stud boring/notch limitations.

ENERGY COMPLIANCE

THIS PC IS APPROVED FOR CLIMATE ZONES: 1 THROUGH 16

DESIGN CRITERIA

DEAD AND LIVE LOADS

FLOOR: LIVE LOAD -
UNIFORM LOAD: 65.0 PSF
POINT LOAD: NOT APPLICABLE AT RESTROOMS

FLOOR: DEAD LOAD -
☒ PLYWOOD 12.0 PSF
☐ CONCRETE 40.2 PSF + 4.8 PSF MISC. = 45 PSF PSF

ROOF: SNOW AND ICE LOAD - NOT PERMITTED
ROOF: LIVE LOAD - 20.0 PSF
ROOF: DEAD LOAD - 17.5 PSF (INCLUDES 4 PSF FOR FUTURE PV AND 1.5 PSF FIRE SPRINKLER)

ALLOWABLE SOIL PRESSURE

☒ WOOD PLATE FOOTING 1000 PSF (DL + LL + LATERAL)
☐ CONCRETE FOOTING 1500 PSF (DL + LL)
2000 PSF (DL + LL + LATERAL)

FLOOD DESIGN

BUILDINGS IN THIS PC ARE NOT DESIGNED TO BE LOCATED IN A FLOOD HAZARD AREA. BUILDING PADS IN THIS PC MUST BE RAISED ABOVE THE DESIGN FLOOD ELEVATION. SEE SHEET A0.1, "PC GENERAL NOTES", ITEM 16, FOR ADDITIONAL REQUIREMENTS.

WIND DESIGN

BASIC WIND SPEED (3 SECOND GUST), V 100 MPH
WIND EXPOSURE CATEGORY C
CHAPTER 28, PART 2, ASCE 7-16, SEC 28.6 - SIMPLIFIED DESIGN WIND PRESSURES
$\lambda = 1.21$
RISK CATEGORY = II
$K_{ZT} = 1.0$

SEISMIC DESIGN CRITERIA

~~With site-specific geotechnical report ($S_s \leq 2.625$), OR~~
without site-specific geotechnical report ($S_s \leq 2.188$) *

LATERAL FORCE RESISTING SYSTEM: ORDINARY STEEL MOMENT FRAMES
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE
SEISMIC DESIGN CATEGORY (SDC): D ($S_1 \leq 0.75$)
E ($0.75 < S_1 < 1.5$)

1) RISK CATEGORY II
2) **NOT** ALLOWED FOR SITE CLASS E AND F.
3) NO LIQUEFIABLE SOIL.

SEISMIC IMPORTANCE FACTOR - $I_e = 1$
V = EQUIV. LATERAL FORCE PROCEDURE BASE SHEAR (STRENGTH DESIGN)
$V = C_s\ W = 0.50W$
$C_s = \frac{S_{DS}}{(R/I)} = 0.50$

BASIC SEISMIC FORCE RESISTING SYSTEM: ORDINARY STEEL MOMENT FRAMES
$R = 3.5$, $\rho = 1.3$
$I = 1.0$, $C_d = 3.0$
$\Omega_o = 3.0$

☐ WITH SITE-SPECIFIC GEOTECHNICAL REPORT (SITE CLASS: D)
$S_s = 2.625$, $F_A = 1.0$, $S_{DS} = 1.750$ (SITE)
$S_s = 2.625$, $F_A = 1.0$
$S_1 \leq 1.000$, $F_V = 1.7$ ***, $S_{D1} \leq 1.700$

☒ WITHOUT SITE-SPECIFIC GEOTECHNICAL REPORT (ASSUMED SITE CLASS: D)
$S_s = 2.188$, $F_A = 1.2$*, $S_{DS} = 1.750$ (SITE)
$S_s = 2.188$, $F_A = 1.2$*
$S_1 \leq 1.000$, $F_V = 1.7$ ***, $S_{D1} \leq 1.700$

* PER ASCE 7-16 SECTION 11.4.4, WHEN SITE CLASS D IS ASSUMED (i.e. NO GEOTECHNICAL REPORT), F_A SHALL NOT BE LESS THAN 1.2.
IN THIS PC, THE DIFFERENT MAXIMUM S_s VALUES FOR WITH AND WITHOUT SITE-SPECIFIC GEOTECHNICAL REPORT WERE SELECTED SO BOTH CASES ARE DESIGNED FOR THE SAME SEISMIC DESIGN RESPONSE FACTOR C_s.

*** UNLESS A SITE-SPECIFIC GROUND MOTION HAZARD ANALYSIS IS PERFORMED, THE S_{M1} VALUE INCREASED BY 50 PERCENT SHALL BE LESS THAN THE DESIGN CRITERIA STATED HEREIN.

SITE SPECIFIC SEISMIC DESIGN CRITERIA

THESE CHECK BOXES AND VALUES ARE TO BE FILLED IN DURING A SITE-SPECIFIC APPLICATION FOR COMPARISON TO THE VALUES USED TO DESIGN THE PC.

☐ WITH GEOTECHNICAL REPORT (SITE CLASS D)
S_s = __________ < 2.625
S_1 = __________ < 1.0

☒ WITHOUT GEOTECHNICAL REPORT (ASSUMED SITE CLASS D)
S_s = 1.791 < 2.188
S_1 = 0.608 < 1.0

MAXIMUM DRIFTS

BIPITCH ~~OR SHED ROOF~~ 1.9"

BUILDING DATA

CONSTRUCTION TYPE: V-B
OCCUPANCY: ~~"B" or~~ "E"
BUILDING AREA: 480 S.F. NOMINAL
NUMBER OF STORIES: 1

SHEET INDEX

(TOTAL SHEET COUNT = ~~82~~) 29

☒ MARKED BOX REPRESENTS DRAWING/OPTION TO BE USED FOR APPLICATION

SITE SPECIFIC SHEETS

A0 - COVER SHEET, BUILDING CODES & C.B.C. DATA , SHEET INDEX
A.1 - RESTROOM FLOOR PLAN, ROOF PLAN, INTERIOR & EXTERIOR ELEVATIONS
A2.1 - REFLECTED CEILING PLAN, ELECTRICAL PLAN, ELECTRICAL PANEL SCHEDULE & LIGHTING PLAN
P1 - PLUMBING PLANS

ARCHITECTURAL

Cover, Building Code Data, Specifications, Notes
- ~~☐ A0 COVER SHEET, BUILDING CODES & C.B.C. DATA, SHEET INDEX~~
- ☒ A0.1 GENERAL NOTES, TEST & INSPECTION GUIDELINE
- ☒ A1N MATERIAL SPECIFICATIONS & NOTES

Boys/Girls Restroom
- ☐ A1.1 – ADULT, FLOOR PLAN, INTERIOR ELEVATIONS
- ☐ A1.2 – AGES 3–4, FLOOR PLAN, INTERIOR ELEVATIONS
- ☐ A1.3 – AGES 5–8, FLOOR PLAN, INTERIOR ELEVATIONS
- ☐ A1.4 – AGES 9–12, FLOOR PLAN, INTERIOR ELEVATIONS

Boys/Staff/Girls Restroom
- ☒ A1A.1 – ADULT, FLOOR PLAN, INTERIOR ELEVATIONS
- ☐ A1A.2 – AGES 3–4 FLOOR PLAN, INTERIOR ELEVATIONS
- ☐ A1A.3 – AGES 5–8, FLOOR PLAN, INTERIOR ELEVATIONS
- ☐ A1A.4 – AGES 9–12, FLOOR PLAN, INTERIOR ELEVATIONS

Boys/Girls/Staff/Staff Restroom
- ☐ A1B.1 – ADULT, FLOOR PLAN, INTERIOR ELEVATIONS
- ☐ A1B.2 – AGES 3–4, FLOOR PLAN, INTERIOR ELEVATIONS
- ☐ A1B.3 – AGES 5–8, FLOOR PLAN, INTERIOR ELEVATIONS
- ☐ A1B.4 – AGES 9–12, FLOOR PLAN, INTERIOR ELEVATIONS

Roof Plans & Exterior Elevations - Bi-pitched
- ☐ A1E.1 – BOYS/GIRLS RESTROOM – BIPITCHED ROOF PLAN & EXTERIOR ELEVATIONS
- ☒ A1E.2 – BOYS/STAFF/GIRLS RESTROOM – BIPITCHED ROOF PLAN & EXTERIOR ELEVATIONS
- ☐ A1E.3 – BOYS/GIRLS/STAFF/STAFF RESTROOM – BIPITCHED ROOF PLAN & EXTERIOR ELEVATIONS

Roof Plans & Exterior Elevations - Shed
- ☐ A1S.1 – BOYS/GIRLS RESTROOM – SHED ROOF PLAN & EXTERIOR ELEVATIONS
- ☐ A1S.2 – BOYS/STAFF/GIRLS RESTROOM – SHED ROOF PLAN & EXTERIOR ELEVATIONS
- ☐ A1S.3 – BOYS/GIRLS/STAFF/STAFF RESTROOM – SHED ROOF PLAN & EXTERIOR ELEVATIONS

- ☒ A1R ROOFING ATTACHMENT

Ceiling Plans, & Ceiling Attachment Details, and Specifications
- ☒ A2 – REFLECTED CEILING PLANS & CEILING ATTACHMENT DETAILS

Green Building & Energy Compliance
- ☒ AGB – GREEN BUILDING STANDARDS AND SOLAR READY REQUIREMENTS
- ☒ EN1 – ENERGY COMPLIANCE
- ☒ EN2 – ENERGY COMPLIANCE
- ☒ EN3 – ENERGY COMPLIANCE
- ☒ EN4 – ENERGY COMPLIANCE
- ☒ EN5 – ENERGY COMPLIANCE

Electrical & Lighting
- ☒ A3 – ELECTRICAL POWER PLAN, SIGNAL PLAN, LIGHTING PLAN, DETAILS, ELECTRICAL NOTES
- ☒ A3.1 – LIGHTING NOTES & DIAGRAMS

Roof Options

Sections & Details without Overhang
- ☒ A4 – SECTIONS AND DETAILS WITHOUT OVERHANG 2x4 EXTERIOR WALLS (NON–RATED)
- ☐ A4.1 – SECTIONS AND DETAILS WITHOUT OVERHANG 2x6 EXTERIOR WALLS (NON–RATED)
- ☐ A4.3 – SECTIONS AND DETAILS WITHOUT OVERHANG (1–HOUR FIRE RATED 2x6 EXTERIOR FIRE BARRIERS)

Bi-Pitched Sections & Details with Overhang
- ☐ A4.4 – BI–PITCHED ROOF SECTIONS AND DETAILS (2x4 EXTERIOR WALLS)
- ☐ A4.5 – BI–PITCHED ROOF SECTIONS AND DETAILS (2x6 EXTERIOR WALLS)
- ☐ A4.6 – BI–PITCHED ROOF SECTIONS AND DETAILS (1–HOUR FIRE RATED 2x6 EXTERIOR FIRE BARRIERS)

Shed Roof Sections & Details with Overhang
- ☐ A4A – SHED ROOF SECTIONS AND DETAILS (2x4 EXTERIOR WALLS)
- ☐ A4A.1 – SHED ROOF SECTIONS AND DETAILS (2x6 EXTERIOR WALLS)
- ☐ A4A.3 – SHED ROOF SECTIONS AND DETAILS (1–HOUR FIRE RATED 2x6 EXTERIOR FIRE BARRIERS)

Architectural Details
- ☐ A4B – STUCCO MATERIAL SPECIFICATIONS
- ☐ A4B.1 – TYPICAL STUCCO FINISH DETAILS
- ☐ A4B.2 TYPICAL STUC–O–FLEX FINISH DETAILS
- ☐ A4S – OPTIONAL SIDEWALL OVERHANG DETAIL

- ☐ A4C.1 – NON RATED WALL ATTACHMENT DETAILS (CONCRETE FLOORS)
- ☐ A4C.2 – 1–HOUR FIRE BARRIER WALL ATTACHMENT DETAILS (CONCRETE FLOORS)

- ☒ A4H – INTERIOR WALL CONNECTION DETAILS
- ☐ A4H.1 – INTERIOR WALL CONNECTION DETAILS (1–HOUR FIRE BARRIERS OR FIRE PARTITIONS)

- ☒ A5 – MISCELLANEOUS DETAILS
- ☐ A5.1 – SOL–A–TUBE SKYLIGHT OPTION

Deterioration Protection, Wood Floors
- ☐ A6 – DETERIORATION PROTECTION (2x4 EXTERIOR WALLS) (WOOD FLOORS) (BUILDING UNDER 2160 S.F.)
- ☐ A6.0 – DETERIORATION PROTECTION (2x6 EXT. WALLS) (WOOD FLOORS) (BLDG. UNDER 2160 S.F.)

Deterioration Protection, Concrete Floors
- ☐ A6.4 – DETERIORATION PROTECTION (2x6 EXT. WALLS) (CONC. FLOORS) (BLDG. UNDER 2160 S.F.)

STRUCTURAL

Foundation Plans, Details and Notes (Wood Floors)
- ☐ S1 – FOOTING DETAILS
- ☐ S1C – CONCRETE FOUNDATION PLAN, NO CRAWLSPACE, FOOTING DETAILS, & NOTES – (WOOD FLOOR)
- ☐ S1C.1 – CONCRETE FOUNDATION PLAN, WITH CRAWLSPACE, FOOTING DETAILS – (WOOD FLOOR)
- ☐ S1C.2 – MISCELLANEOUS FOOTING DETAILS – (WOOD FLOOR)

Foundation Plans, Details and Notes (Concrete Floors)
- ☐ S1C.3 – CONCRETE FOUNDATION PLAN, NO CRAWLSPACE, FOOTING DETAILS, & NOTES – (CONCRETE FLOORS)
- ☐ S1C.4 – CONCRETE FOUNDATION PLAN, WITH CRAWLSPACE, FOOTING DETAILS – (CONCRETE FLOORS)
- ☐ S1C.5 – MISCELLANEOUS FOOTING DETAILS – (CONCRETE FLOORS)
- ☐ S1CS CONCRETE FOUNDATION SHIM DETAILS

Wood Foundation Plans, Details and Notes
- ☒ S1W65 – 65 P.S.F. WOOD FOUNDATION PLAN, PIER DETAILS, NOTES

Roof, Ceiling, and Floor Framing Plans, Structural Steel Properties, and Notes
- ☒ S2 – BI–PITCH ROOF, CEILING, FLOOR FRAMING PLANS, STRUCTURAL STEEL PROPERTIES, NOTES
- ☐ S2A – SHED ROOF, CEILING, FLOOR FRAMING PLANS, STRUCTURAL STEEL PROPERTIES, NOTES

Concrete Floor Option & Fastening Schedule
- ☐ S2C.1 – FRAMING PLANS, STRUCTURAL STEEL PROPERTIES, NOTES (CONCRETE FLOORS)

- ☒ S3FA – FASTENING SCHEDULE & NOTES.

Sections and Elevations
- ☒ S3 – BI–PITCHED ROOF LONGITUDINAL BUILDING SECTION, WALL FRAMING ELEVATIONS, END FRAME ELEVATION
- ☐ S3A – SHED ROOF LONGITUDINAL BUILDING SECTION, WALL FRAMING ELEVATIONS, END FRAME ELEVATION

Structural Details
- ☒ S4 – STRUCTURAL CONNECTION DETAILS
- ☒ S4.1 – OPTIONAL STRUCTURAL DETAILS
- ☒ S4.2 – MISCELLANEOUS STRUCTURAL DETAILS
- ☐ S4.3 – METAL SOFFIT PANELS, REMOVABLE CASSETTE
- ☐ S4.4 – METAL SOFFIT FOR USE IN WILDLAND URBAN INTERFACE
- ☐ S4C – STRUCTURAL CONNECTION DETAILS – (CONCRETE FLOORS)

Canopy & Awning
- ☐ WC1 – CANOPY FRAMING & CONNECTION DETAILS
- ☐ WC2 – CANOPY FRAMING & CONNECTION DETAILS
- ☐ AW1 – METAL AWNING
- ☐ AW2 – METAL AWNING

Ramp, Platform, and Stairs
- ☒ S5R – ACCESSIBLE RAMP & PLATFORM DETAILS
- ☐ S5R.1 – PLATFORM DETAILS (PLATFORM OVER 18" HEIGHT)
- ☐ S5R.2 – RAMP HANDRAIL AT GUARDS (RAMP/PLATFORMS 30" TO 48" MAX ABOVE GRADE)
- ☐ S5S – STAIR DETAILS

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DATE: 2/13/2024

CYS STRUCTURAL ENGINEERS INC.
2495 Natomas Park Drive, Suite 650
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(916) 920-2020 (916) 920-1556 Fax
www.cyseng.com

01/16/2024
12/14/2023

REGISTERED PROFESSIONAL ENGINEER
ARTHUR ERNEST ROSS
No. S2030
STRUCTURAL
STATE OF CALIFORNIA

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4777 E. CARPENTER ROAD
STOCKTON, CA. 95215
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PITTSBURG ADULT EDUCATION CENTER
PITTSBURG UNIFIED SCHOOL DISTRICT

SHEET INDEX, DESIGN CRITERIA, GOVERNING CODES, OPTIONS TABLE

REV / DATE:	BY:

JOB No.:
DRAWN BY:
DATE:

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required.

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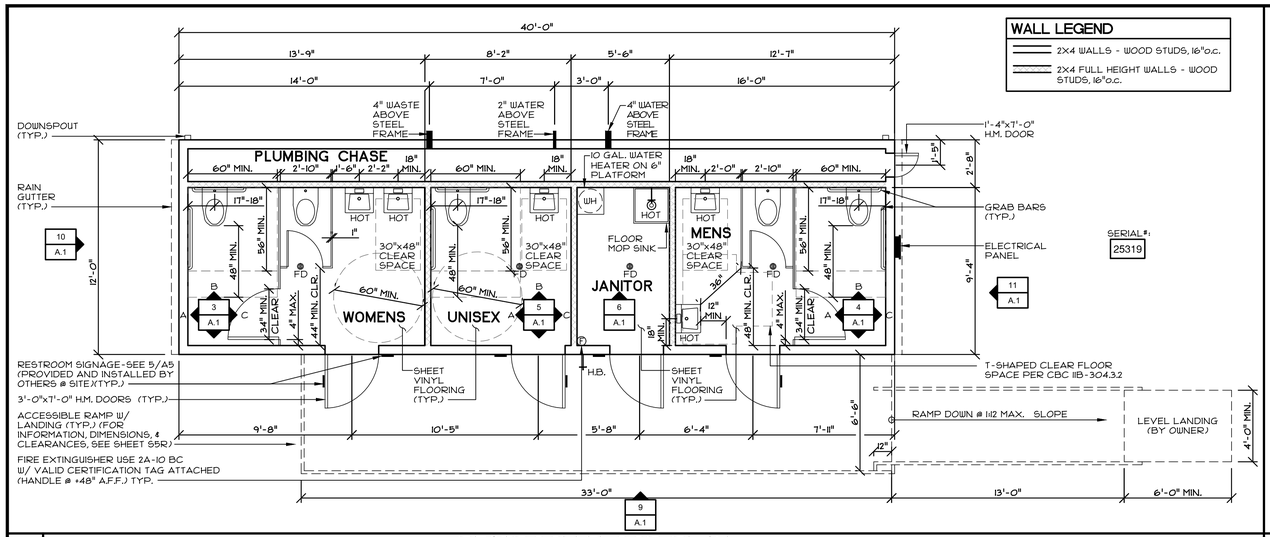
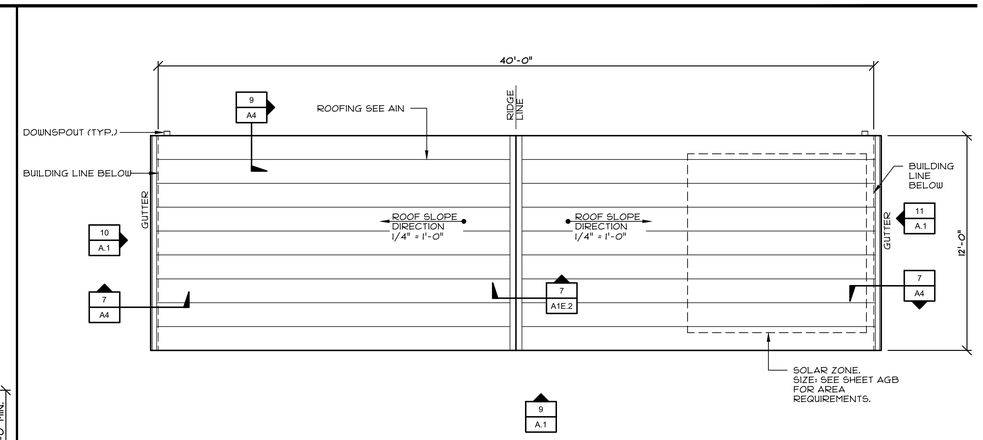
A0

12'x40' P.C.



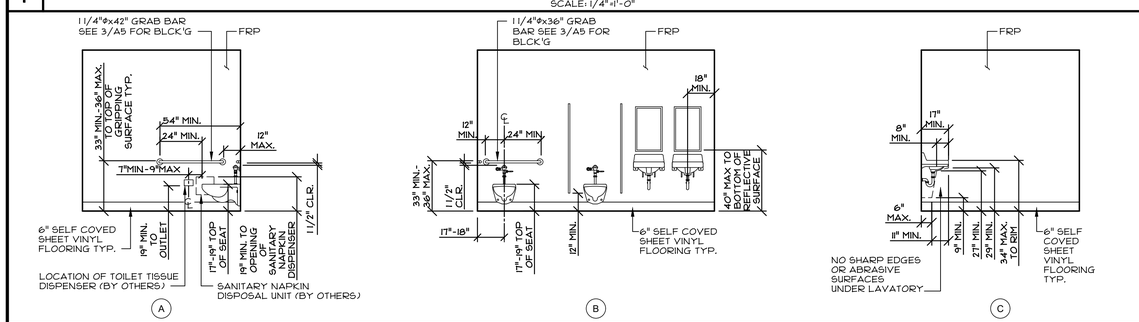
1 RESTROOM FLOOR PLAN

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



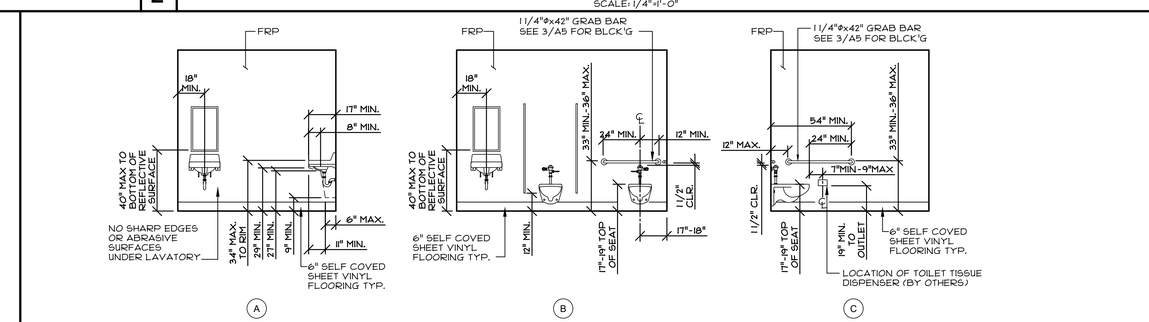
2 RESTROOM ROOF PLAN

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



3 INTERIOR ELEVATION

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



4 INTERIOR ELEVATION

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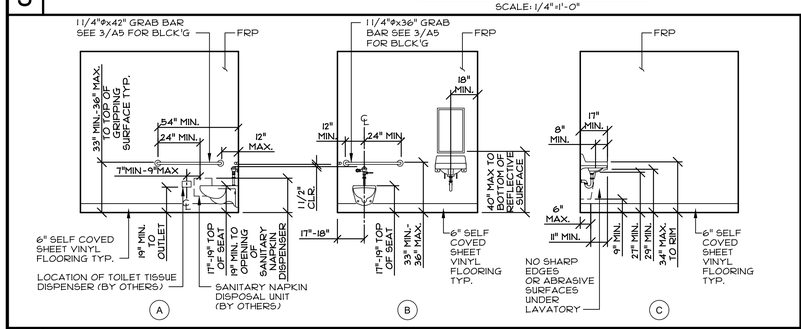

5 INTERIOR ELEVATION

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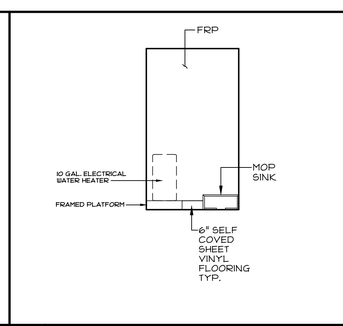
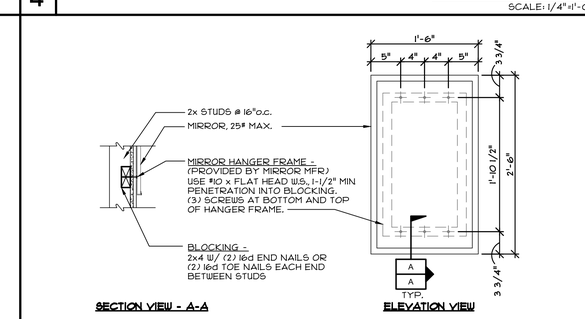


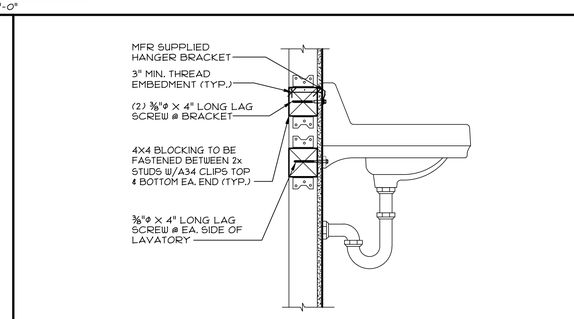
6 INTERIOR ELEVATION

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



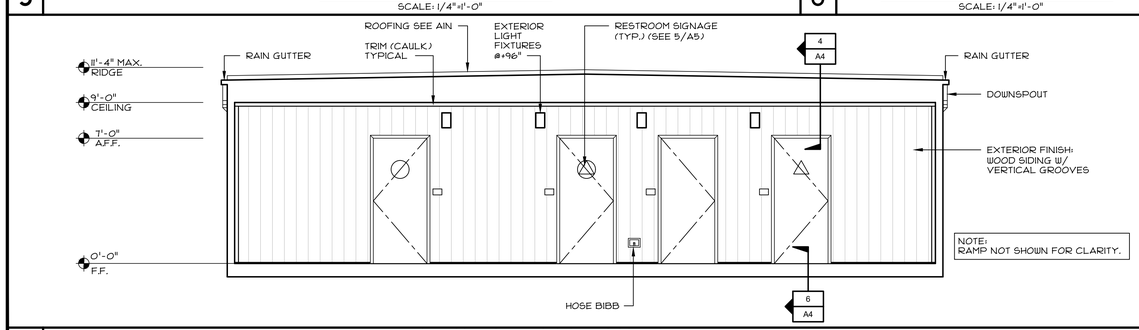
7 BLOCKING DETAIL @ MIRROR

SCALE: NTS



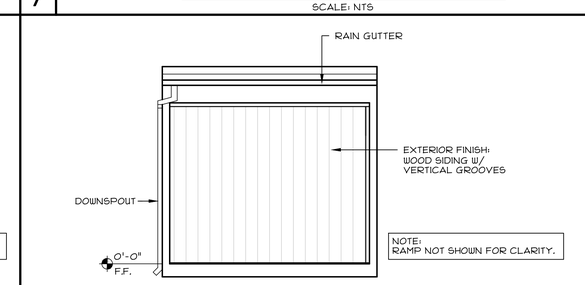
8 LAVATORY BLOCKING

SCALE: NTS SECTION VIEW



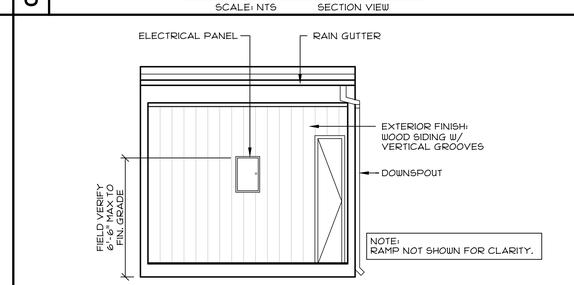
9 EXTERIOR ELEVATION

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



10 EXTERIOR ELEVATION

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



11 EXTERIOR ELEVATION

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

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DATE: 2/13/2024

CYS STRUCTURAL ENGINEERS INC.
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01/16/2024

REGISTERED PROFESSIONAL ENGINEER
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No. S2030
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PITTSBURG ADULT EDUCATION CENTER

PITTSBURG UNIFIED SCHOOL DISTRICT

RESTROOM FLOOR PLAN, ROOF PLAN, INTERIOR & EXTERIOR ELEVATIONS

REV / DATE:	
JOB No.:	24-005
DRAWN BY:	AH
DATE:	11/06/23

A.1

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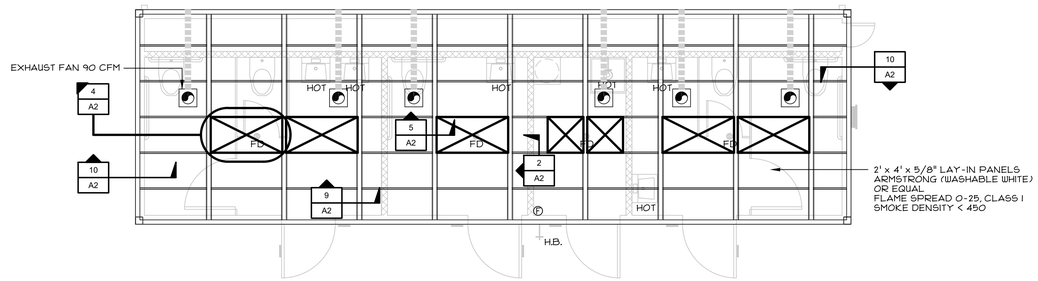
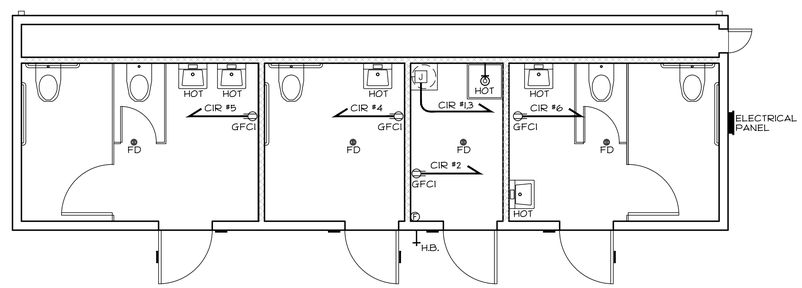


NOTE: CEILING TILE & LIGHTING FIXTURES IN MODULES ARE NOT SUSPENDED. THE BUILDING HAS A FIXED CEILING AND LIGHTING FIXTURE SUPPORT SYSTEM WHICH IS MECHANICALLY FASTENED TO STEEL CEILING BEAMS.

1 REFLECTED CEILING PLAN

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



NOTE:
SEE SHEET A3 FOR ADDITIONAL NOTES, LEGEND & SPECIFICATIONS

PANEL SCHEDULE: "E1"
MOUNTING: SURFACE EXT. (NEMA 3) VOLTS: 120/208
PANEL: 125 AMP RATED PHASE: 1Φ
MAIN BREAKER: 125A WIRE: 3W

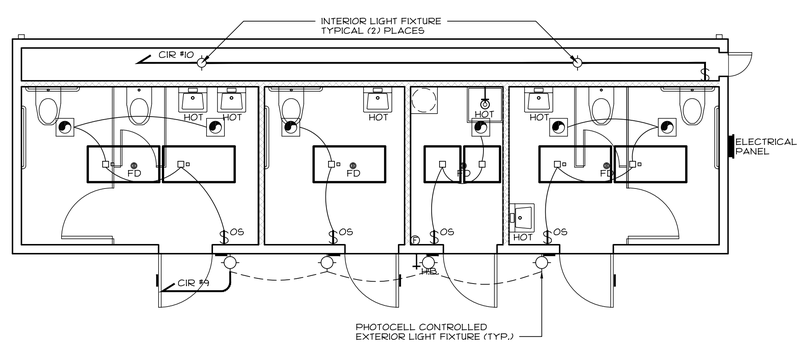
DESCRIPTION	LOAD	BRKR		MAIN 125A A	MAIN 125A B		BRKR	LOAD	DESCRIPTION
WATER HEATER	2250	30	1	•		2	20/1	180	GFCI OUTLET
	2250	2	3		•	4	20/1	180	GFCI OUTLET
GFCI OUTLET	180	20/1	5	•		6	20/1	180	GFCI OUTLET
INTERIOR LIGHTS	471	20/1	7		•	8			
EXTERIOR LIGHTS	76	20/1	9	•		10	20/1	38	INTERIOR LIGHTS
			11		•	12			

LEG A: 2904 W
LEG B: 2901 W

TOTAL: 5805 W AMPS: 48.4

2 ELECTRICAL PLAN & ELECTRICAL PANEL SCHEDULE

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



NOTE:
SEE SHEET A3 FOR LIGHTING LEGEND AND A3.1 FOR ADDITIONAL NOTES & SPECIFICATIONS

3 LIGHTING PLAN

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

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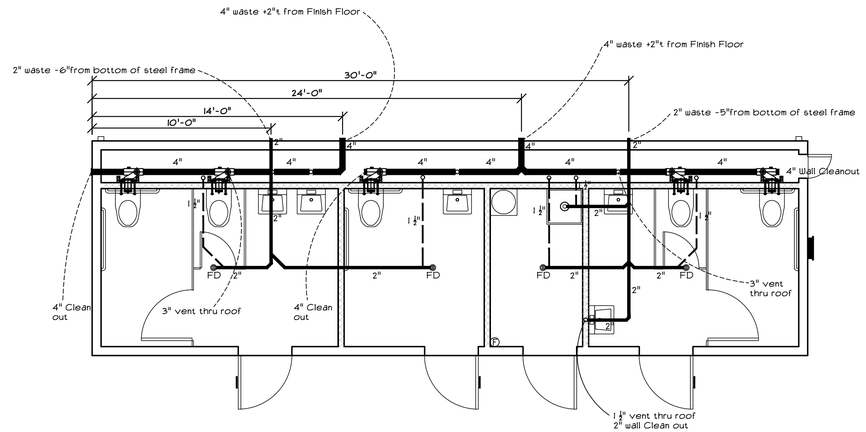
PITTSBURG UNIFIED SCHOOL DISTRICT

REFLECTED CEILING PLAN, ELECTRICAL PLAN, ELECTRICAL PANEL SCHEDULE & LIGHTING PLAN

REV / DATE:

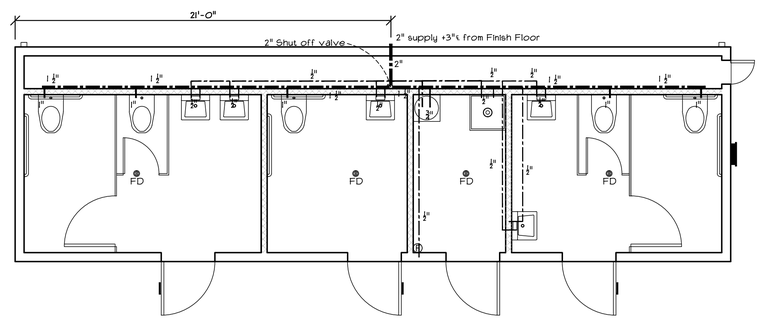
JOB No.:	24-005
DRAWN BY:	AH
DATE:	11/06/23

A2.1



1 PLUMBING PLAN - WASTE

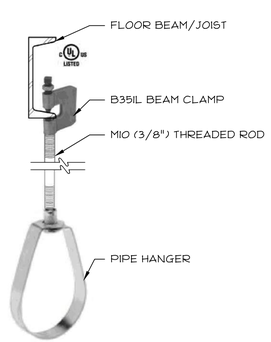
SCALE: 1/4"=1'-0"



2 PLUMBING PLAN - WATER

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

PIPE UP TO:
2" - SPACE HANGER @ 6' O.C.
3" - SPACE HANGER @ 4' O.C.



PIPE HANGER ASSEMBLY

B351L - Steel C-Clamp With Locknut

Size Range: 3/8"-16 thru 7/8"-9 rod

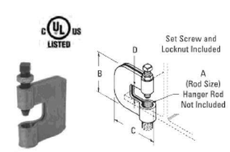
Material: Steel

Function: For attachment to I-beams, channels, and wide flange beams where the thickness does not exceed 3/4" (19.0mm). Hardened set screw secures "C" Clamp to beam.

Approvals: B351L (3/8"-16 thru 3/4"-10), is Underwriters Laboratories Listed in the USA **(UL)** and Canada **(cUL).** Conforms to Federal Specification WW-H-171E & A-A-1192A, Type 23 and Manufacturers Standardization Society ANSI/MSS SP-69 & SP-58, Type 23.

Finish: Plain. Contact customer service for alternative finishes and materials.
Note: When retaining strap is required, order B3362 thru B3365 separately. See page 30.

Order By: Part number and finish



Part No.	Rod Size A	B in.	(mm)	C in.	(mm)	D in.	(mm)	Design Load Lbs.	(kN)	Maximum Iron Pipe Size Per UL in.	(mm)	Approx. Wt./100 Lbs.	(kg)
B351L-3/8	3/8"-16	2 3/8"	(60.3)	2 3/8"	(60.3)	3/4"	(19.0)	300	(0.89)	4"	(100)	41	(18.6)

BEAM CLAMP

TOLCO Fig. 200 - "Trimline" adjustable band hanger

Size Range:
Fig. 200 - 1/2" (15mm) thru 8" (200mm) pipe

Material: Steel, Pre-Galvanized to G90 specifications

Function: For fire sprinkler and other general piping purposes. Knurled swivel nut design permits hanger adjustment after installation.

Features:

- 1/2" (15mm) thru 2" (50mm) sizes have flared edges for ease of installation on all pipe types and protects CPVC plastic pipe from abrasion. Captured knurled nut design (flared top) on 1" thru 2" sizes keep nut from separating with hanger. Hanger is easily installed around pipe.
- 1/2" (15mm), 3/4" (20mm), and 2 1/2" (65mm) thru 8" (200mm) Spring tension on nut holds it securely in hanger before installation. Knurled nut is easily removed.
- For 1/2" (15mm) and 3/4" (20mm) sizes with non-captured knurl nuts order Fig. 200S

Approvals: Underwriters Laboratories listed (1/2" (15mm) thru 8" (200mm)) in the USA **(UL)** and Canada **(cUL)** for steel and CPVC plastic pipe and Factory Mutual Engineering Approved (1/2" (20mm) thru 8" (200mm)). Conforms to Federal Specifications WW-H-171E & A-A-1192A, Type 10 and Manufacturers Standardization Society, ANSI/MSS SP-69 & SP-58, Type 10.

Maximum Temperature: 650°F (343°C)

Finish: Pre-Galvanized. Stainless Steel materials will be supplied with (2) hex nuts in place of a knurl nut.

Order By: Part number and pipe size

** **Note:** For metric hanger rod sizes add the metric rod size to the figure number.
Example: 200MB-7½ or 200M10-12½

† M8 rod size is not UL Listed or FM Approved

Part No.**	Nominal Pipe Size in.	(mm)	Rod Size in.	mm**	A in.	(mm)	B in.	(mm)	D in.	(mm)	Max. Rec. Load lbs.	(kN)	Approx. Wt./100 lbs.	(kg)
200-1/2	1/2"	(15)	1/2"-16	M8† or M10	3 1/4"	(73.4)	2 5/8"	(66.7)	1 11/32"	(34.1)	400	(1.78)	11	(5.0)
200-3/4	3/4"	(20)	1/2"-16	M8† or M10	3 1/4"	(73.4)	2 1/2"	(63.5)	1 1/4"	(27.0)	400	(1.78)	11	(5.0)
200-1	1"	(25)	1/2"-16	M8† or M10	3 9/16"	(85.7)	2 5/8"	(66.7)	1 1/8"	(28.6)	400	(1.78)	12	(5.5)
200-1 1/4	1 1/4"	(32)	1/2"-16	M8† or M10	3 7/8"	(98.4)	2 7/8"	(73.0)	1 1/4"	(32.2)	400	(1.78)	12	(5.5)
200-1 1/2	1 1/2"	(40)	1/2"-16	M8† or M10	3 7/8"	(98.4)	2 7/8"	(73.0)	1 1/2"	(38.2)	400	(1.78)	14	(6.4)
200-2	2"	(50)	1/2"-16	M8† or M10	4 1/2"	(114.3)	3 5/16"	(80.8)	1 1/2"	(38.2)	400	(1.78)	15	(6.9)
200-2 1/2	2 1/2"	(65)	1/2"-16	M10	5 1/8"	(142.9)	4 1/8"	(104.7)	1 7/8"	(48.0)	600	(2.67)	27	(12.3)
200-3	3"	(75)	1/2"-16	M10	5 5/8"	(143.1)	4"	(101.6)	1 1/4"	(31.7)	600	(2.67)	29	(13.3)
200-3 1/2	3 1/2"	(90)	1/2"-16	M10	7 1/8"	(181.0)	4 1/8"	(105.0)	2 1/8"	(53.8)	600	(2.67)	34	(15.5)
200-4	4"	(100)	1/2"-16	M10	7 3/8"	(187.3)	5"	(127.0)	1 3/8"	(34.9)	1000	(4.45)	35	(16.0)

PIPE HANGER

3 PLUMBING PIPE HANGER DETAIL

SCALE: NTS

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PLUMBING PLANS

REV / DATE:	
JOB No.:	24-005
DRAWN BY:	AH
DATE:	11/06/23

P1

TEST & INSPECTION GUIDELINE

TYPE OF MODULAR STEEL MOMENT FRAME BUILDING PROJECT
(X–INDICATES TEST OR INSPECTION TO BE DONE)

TEST and INSPECTIONS
(as listed on Form DSA 103-22, 2022 CBC)

MATERIAL TYPE		DSA 103 ITEM #	DESCRIPTION	STOCKPILE: WOOD FLOOR ONLY see note 5	STOCKPILE: CONCRETE FLOORS	CONSTRUCTION OF (diaphragm material–foundation material): PLYWOOD FLOOR ONLY -WOOD FOUNDATION see note 5	CONSTRUCTION OF: PLYWOOD FLOOR - CONCRETE FOUNDATION	CONSTRUCTION OF: CONCRETE FLOOR - CONCRETE FOUNDATION	RELOCATION OF CERTIFIED BUILDING: WOOD FOUNDATION see note 5	RELOCATION OF CERTIFIED BUILDING: CONCRETE FOUNDATION
SOILS	GENERAL see note 4	S1.a	Verify that: • Site has been prepared properly prior to placement of controlled fill and/or excavations for foundations. • Foundation excavations are extended to proper depth and have reached proper material. • Materials below footings are adequate to achieve the design bearing capacity.				X	X		X
SOILS	COMPACTED FILLS see note 4	S2.a	Perform classification and testing of fill materials.				X	X		X
SOILS	COMPACTED FILLS see note 4	S2.b	Verify use of proper materials, densities and inspect lift thicknesses, placement and compaction during placement of fill.				X	X		X
SOILS	COMPACTED FILLS see note 4	S2.c	Compaction testing.				X	X		X
CONCRETE	CONCRETE FILLED DECK	C1.a	Verify use of required design mix.		X			X		
CONCRETE	CONCRETE FILLED DECK	C1.b	Identifiy, sample, and test reinforcing steel. See Note 1 for waiver.		X			X		
CONCRETE	CONCRETE FILLED DECK	C1.c	During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.		X			X		
CONCRETE	CONCRETE FILLED DECK	C1.d	Test concrete (f'c).		X			X		
CONCRETE	CONCRETE FILLED DECK	C1.e	Batch plant inspection - continuous. See Note 7 for waiver.		X			X		
CONCRETE	FOUNDATION	C1.a	Verify use of required design mix.				X	X		X
CONCRETE	FOUNDATION	C1.b	Identifiy, sample, and test reinforcing steel. See Note 1 for waiver.				X	X		X
CONCRETE	FOUNDATION	C1.c	During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.				X	X		X
CONCRETE	FOUNDATION	C1.d	Test concrete (f'c).				X	X		X
CONCRETE	FOUNDATION	C1.e	Batch plant inspection - continuous. See Note 7 for waiver.				X	X		X
STRUCTURAL STEEL	VERIFICATION OF MATERIALS, EQUIPMENT, WELDERS, ETC.	S/A1.a	• Verify identification of all materials and: • Mill certificates indicate material properties that comply with requirements. • Material sizes, types and grades comply with requirements.	X	X	X	X	X		
STRUCTURAL STEEL	VERIFICATION OF MATERIALS, EQUIPMENT, WELDERS, ETC.	S/A1.b	Test unidentified materials	X	X	X	X	X		
STRUCTURAL STEEL	VERIFICATION OF MATERIALS, EQUIPMENT, WELDERS, ETC.	S/A1.c	Examine seam welds of HSS shapes	X	X	X	X	X		
STRUCTURAL STEEL	VERIFICATION OF MATERIALS, EQUIPMENT, WELDERS, ETC.	S/A1.d	Verify and document steel fabrication per DSA approved construction documents.	X	X	X	X	X		
STRUCTURAL STEEL	VERIFICATION OF MATERIALS, EQUIPMENT, WELDERS, ETC.	S/A3.a	Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	X	X	X	X	X		X
STRUCTURAL STEEL	VERIFICATION OF MATERIALS, EQUIPMENT, WELDERS, ETC.	S/A3.b	Verify weld filler material manufacturer's certificate of compliance.	X	X	X	X	X		X
STRUCTURAL STEEL	VERIFICATION OF MATERIALS, EQUIPMENT, WELDERS, ETC.	S/A3.c	Verify WPS, welder qualifications and equipment.	X	X	X	X	X		X
STRUCTURAL STEEL	SHOP WELDING See Note 3	S/A4.a	Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds	X	X	X	X	X		
STRUCTURAL STEEL	SHOP WELDING See Note 3	S/A4.b	Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds	X	X	X	X	X		
STRUCTURAL STEEL	SHOP WELDING See Note 3	S/A4.c	Inspect welding of stairs and railing systems.	X	X	X	X	X		
STRUCTURAL STEEL	SHOP WELDING See Note 3	S/A4.d	Verfication of reinforcing steel weldability other than ASTM 706				X	X		X
STRUCTURAL STEEL	SHOP WELDING See Note 3	S/A4.e	Inspect welding of reinforcing steel.				X	X		X
STRUCTURAL STEEL	FIELD WELDING See Note 3	S/A5.a	Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds			X	X	X		X
STRUCTURAL STEEL	FIELD WELDING See Note 3	S/A5.b	Inspect single-pass fillet welds ≤ 5/16"			X	X	X		X
STRUCTURAL STEEL	FIELD WELDING See Note 3	S/A5.f	Inspect welding of stairs and railing systems			X	X	X		X
STRUCTURAL STEEL	OTHER STEEL	S/A11.a	Shop welding - Inspect end-welded studs (ASTM A-108) installation (including bend test).				X	X		
STRUCTURAL STEEL	OTHER STEEL	S/A11.b	Shop welding - Inspect welding of cold-formed steel Periodic/Special Inspector.	X	X	X	X	X		
STRUCTURAL STEEL	OTHER STEEL	S/A11.c	Shop Welding - Inspect welding of steel floor deck welds Periodic/Special Inspector.		X			X		
STRUCTURAL STEEL	NON-DESTRUCT. TESTING	S/A6.a	Ultrasonic. See note 8	X	X	X	X	X		
STRUCTURAL STEEL	NON-DESTRUCT. TESTING	S/A6.b	Magnetic Particle. See note 8	X	X	X	X	X		
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 AGENCY				By the Owner and approved by DSA, A/E of Record and Structural Engineer		By the School District and approved by DSA, A/E of Record and Structural Engineer				
COST OF THE PROJECT INSPECTOR (Title 24, Part1, Section 4-333(b)) AND TESTING AGENCY (Title 24, Part 1, Section 4-335)				By the Owner (not manufacturer)		By the School District				

NOTE 1: Reinforcing steel tests may be waived for one-story buildings where certified mill test reports are provided to IOR for each shipment. CBC sec 1910A.2.
NOTE 2: Not used.
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 req.
NOTE 5: Wood foundations are not permitted for permanent modular buildings per CBC sec 1807A.1.4.
NOTE 6: Not used.
NOTE 7: If approved by DSA, batch plant inspection may be reduced to 'Periodic' subject to requirements in Section 1705A.3.3.1 or eliminated per 1705A.3.3.2.
NOTE 8: Nondestructive testing inspection is to be determined by AOR/DSA per project specific requirements. UT testing shall be performed on 100% of complete joint penetration groove welds when columns have a thickness of 5/16" or greater.
Magnetic particle testing shall be performed on 25% of all beam-to-column complete joint penetration groove welds.

The Example form DSA-103's shown on this sheet are for illustration purposes only to assist in the completion of future project-specific form DSA-103's. A form DSA-103 is to be completed for each Application that this PC is being incorporated into and all Example form DSA-103's are to be crossed out on this drawing.

DSA GENERAL NOTES

1. ALL MATERIALS & WORKMANSHIP SHALL CONFORM TO THE 2022 CALIFORNIA BUILDING CODE (C.B.C.). A COPY OF THE CALIFORNIA BUILDING CODE SHALL BE KEPT ON THE SITE AT ALL TIMES.
2. CHANGES TO THE APPROVED DRAWINGS & SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY DSA, AS REQUIRED BY SEC. 4-338, PART 1, TITLE 24, CCR.
3. A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) & APPROVED BY THE ARCHITECT OF RECORD & THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-333(b) OF 2022 TITLE 24, PART 1.
4. MATERIAL TESTING AS NOTED IN THE STRUCTURAL TESTS & INSPECTIONS AT THE LEFT SHALL BE PERFORMED AS REQ. PER SECTION 1704A & 2212A, & 1910A FOR CONCRETE OF 2022 C.B.C. MATERIAL TESTING REQUIRED BY FIRE REGULATIONS SHALL BE PERFORMED BY A NATIONALLY RECOGNIZED TESTING LABORATORY.
5. VERIFIED REPORTS (DSA/SSS FORM 6) SHALL BE SUBMITTED PER CAC SECTION 4-336, 4-341(f), 4-342(b)(7), AND 4-343 (c) BY THE MANUFACTURER, INSPECTOR, STRUCTURAL ENGINEER.
6. A SEPARATE DSA APPLICATION NUMBER MUST BE OBTAINED BEFORE MANUFACTURING ANY ENVIROPLEX UNIT IN ACCORDANCE WITH THESE DRAWINGS.
7. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD & ACCESS REQUIREMENTS & ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
8. SPECIAL INSPECTIONS PER CHAPTER 17A, 2022 C.B.C.
9. SITE SPECIFIC APPLICATION SHALL CLEARLY INDICATE THE SCOPE OF WORK ON THE COVER SHEET OR GENERAL NOTE SHEET OF THE DRAWINGS.

PC GENERAL NOTES

1. THIS PC IS NOT APPROVED FOR "A" OCCUPANCY USES.
2. PC BUILDING APPROVED ONLY FOR OCCUPANCY B, or E WITH OCCUPANT LOAD LESS THAN 250. (2022 CBC TABLE 1604A.5 RISK CATEGORY I & II).
3. PC BUILDING EXITING IS BASED ON THE USE OR OCCUPANCY AND WILL BE REVIEWED AS SITE SPECIFIC.
4. PC BUILDING LOCATED IN FIRE HAZARD SEVERITY ZONES PER WILDLAND URBAN INTERFACE FIRE AREAS (WUI) SHALL CONFORM TO CBC CHAPTER 7A.
5. THIS PC IS APPROVED FOR FIRE HAZARD SEVERITY ZONES PER C.B.C. CHAPTER 7A. REFER TO WILDLAND URBAN INTERFACE NOTES ON SHEET A1N FOR REQUIREMENTS.
6. SITE AND USE SPECIFIC REQUIREMENT FOR FIRE ALARM SYSTEM MIGHT BE REQUIRED BUT NOT INCLUDED IN THIS PC APPROVAL.
7. THIS BUILDING IS STRUCTURALLY DESIGNED TO SUPPORT THE WEIGHT OF A FUTURE FIRE SPRINKLER SYSTEM (EQUIVALENT TO 1.5 psf MAXIMUM), IF REQUIRED.
   AUTOMATIC FIRE SPRINKLER SYSTEM IS NOT DESIGNED NOR APPROVED AS PART OF THIS PC. IF REQUIRED, A COMPLETE FIRE SPRINKLER DESIGN SHALL BE SUBMITTED FOR DSA APPROVAL FOR THE SITE SPECIFIC APPLICATION.
8. NOT USED.
9. THIS PC IS NOT ELIGIBLE FOR OTC REVIEWS WHERE HAZARDOUS MATERIALS ARE USED OR STORED IN ROOMS OR AREAS. A SITE SPECIFIC APPLICATION IS REQUIRED FOR DSA APPROVAL.
10. DRAFTSTOPS REQUIRED FOR CONCEALED SPACES OVER 3000 SQ.FT. (C.B.C. 718)
11. A WAIVER OF DURABILITY IS REQUIRED FOR BUILDINGS 2,160 SQUARE FEET OR LESS WHEN EITHER OF THE FOLLOWING CONDITIONS EXISTS:
    - A NON-PERMANENT FOUNDATION IS USED.
    - A PERMANENT EXTERIOR FOUNDATION IS USED AND THE DISTANCE FROM THE EXTERIOR EXPOSED GROUND OR PAVEMENT TO UNTREATED WOOD WALL FRAMING (INCLUDING THE WALL SHEATHING) IS LESS THAN REQUIRED BY CBC SECTION 2304.12.1.2.

    THE REQUEST FOR A WAIVER OF DURABILITY MAY BE MADE ON THE DSA-1 APPLICATION FORM OR BY LETTER FROM THE APPLICANT OR AN AGENT OF THE APPLICANT. A REQUEST FOR WAIVER FROM THE BUILDING MANUFACTURER OR LEASING COMPANY WILL NOT BE ACCEPTED. THIS WRITTEN REQUEST SHALL BE SUBMITTED TO DSA BEFORE THE CONSTRUCTION DOCUMENTS ARE APPROVED BY DSA.
12. ENVIRONMENTAL COMFORT FOR SITE ADOPTED PC BUILDINGS:
    PC MANUFACTURER SHALL DISCUSS WITH THE SCHOOL DISTRICT IF THE FOLLOWING NOISE LEVELS ARE EVER EXPERIENCED ON CAMPUS:
    1. WITHIN THE 65 CNEL NOISE CONTOUR OF AN AIRPORT.
    2. WITHIN THE 65 CNEL OR Ldn NOISE CONTOUR OF A FREEWAY, EXPRESSWAY, RAILROAD, OR INDUSTRIAL SOURCE GUIDEWAY.
    3. WHERE EXPOSED TO NOISE LEVEL OF 65dB Leq-1-hr DURING ANY HOUR OF OPERATION.

    PC BUILDING INTERIOR WALLS BETWEEN CLASSROOMS, TEACHER WORK SPACES, BREAK OUT ROOMS, OR OTHER OCCUPIED SPACES SHALL HAVE A MINIMUM STC OF AT LEAST 40.
13. BUILDINGS IN THIS PC ARE STRUCTURALLY DESIGNED TO SUPPORT THE WEIGHT OF FUTURE PHOTOVOLTAIC (PV) SYSTEM, IF REQUIRED (SEE THE PC DESIGN CRITERIA FOR MAX ROOF DEAD LOAD).

    THE PHOTOVOLTAIC SYSTEM IS NOT DESIGNED NOR APPROVED AS PART OF THIS PC. IF REQUIRED, A COMPLETE PHOTOVOLTAIC SYSTEM DESIGN SHALL BE SUBMITTED FOR DSA APPROVAL FOR THE SITE SPECIFIC APPLICATION.

    SITE SPECIFIC DESIGN AND INSTALLATION OF PHOTOVOLTAIC SYSTEM IS NOT BY ENVIROPLEX.
14. BUILDING MANUFACTURER SHALL LEAVE FOR THE BUILDING OWNER ALL OCCUPANCY OPERATING INFORMATION FOR ALL APPLICABLE MECHANICAL AND ELECTRICAL FEATURES, MATERIALS, COMPONENTS AND DEVICES INSTALLED IN THE BUILDING RELATED TO EFFICIENT ENERGY USE. IN ADDITION, THE BUILDING MANUFACTURER SHALL LEAVE MAINTENANCE INFORMATION FOR ALL FEATURES, MATERIALS, COMPONENTS, AND MANUFACTURED DEVICES THAT REQUIRE ROUTINE MAINTENANCE FOR EFFICIENT OPERATION OF MECHANICAL EQUIPMENT AND LIGHTING SYSTEMS.
15. GEOHAZARD REPORTS:
    SUBMITTAL AND APPROVAL OF A GEOHAZARD REPORT BY THE CALIFORNIA GEOLOGICAL SURVEY (CGS) IS NOT REQUIRED FOR THE FOLLOWING CASES:

    EXISTING SITES OUTSIDE OF A MAPPED GEOLOGIC HAZARD ZONE: SINGLE-STORY RELOCATABLE BUILDINGS 4,000 SQUARE FEET (SQ. FT.) OR LESS COMPLYING WITH THE REQUIREMENTS OF IR A-4: GEOHAZARD REPORT REQUIREMENTS, SECTION 3.2.1 ARE EXEMPT FROM THE REQUIREMENT TO PROVIDE A GEOHAZARD REPORT. THE STRUCTURES MAY BE SPLIT INTO MULTIPLE SEISMICALLY SEPARATED STRUCTURES TO STAY BELOW THE 4,000 SQ. FT. TRIGGER.

    SITES WITHIN A MAPPED GEOLOGIC HAZARD ZONE: FOR SINGLE-STORY RELOCATABLE BUILDINGS 2,160 SQ. FT. OR LESS ON NON-PERMANENT FOUNDATIONS AND COMPLYING WITH THE REQUIREMENTS OF IR A-4 SECTION 2.6, DSA MAY WAIVE THE REQUIREMENT FOR SUBMITTAL AND APPROVAL OF A GEOHAZARD REPORT BY CGS IF A GEOHAZARD REPORT IS PROVIDED THAT INDICATES THERE ARE NO GEOLOGIC HAZARDS AT THE SITE.
16. FLOOD HAZARDS:
    WHEN A FUTURE SITE-SPECIFIC PROJECT IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X, A LETTER FROM A GEOTECHNICAL ENGINEER (BEARING HIS/HER STAMP AND SIGNATURE) IS REQUIRED TO VALIDATE THE APPLICABILITY OF THE ALLOWABLE SOIL VALUES LISTED ON THE PC DRAWINGS.
    EXEMPTION:
    VALIDATION LETTER IS NOT REQUIRED FOR PROJECTS LOCATED IN ZONE D (UNDEFINED) IF A GEOTECHNICAL REPORT WRITTEN FOR IMPROVEMENTS ON THE SAME CAMPUS AND IN ACCORDANCE WITH THE CURRENT CBC IS PROVIDED THAT EITHER (1) CONFIRMS THE SITE IS NOT IN A FLOOD HAZARD ZONE OR (2) ACKNOWLEDGES THE FLOOD HAZARD BUT CONFIRMS IT DOES NOT RESULT IN A REDUCTION OF SOIL CAPACITY VALUES.
17. ACCEPTANCE TESTING:
    ACCEPTANCE TESTS SHALL BE COMPLETED ON NEWLY INSTALLED OR REPLACEMENT OF LIGHTING CONTROLS, MECHANICAL SYSTEMS, FENESTRATION, AND PROCESS EQUIPMENT BEFORE PROJECT COMPLETION PER THE CALIFORNIA ENERGY CODE SECTION 10-103. ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED ACCEPTANCE TEST TECHNICIAN (ATT). THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES CORRECTED UNTIL THE INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA. COMPLETED NRCA FORMS SHALL BE SUBMITTED TO THE PROJECT INSPECTOR AND THE DISTRICT.

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required.

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-121299 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 2/13/2024

CYS
STRUCTURAL ENGINEERS INC.
2495 Natomas Park Drive, Suite 650
Sacramento, CA 95833
(916) 920-2020 (916) 920-1556 Fax
www.cyseng.com

01/16/2024
12/14/2023

REGISTERED PROFESSIONAL ENGINEER
ARTHUR ERNEST ROSS
No. S2030
STRUCTURAL
STATE OF CALIFORNIA

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

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD
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DATE: 12/21/2023

PITTSBURG ADULT EDUCATION CENTER
.
PITTSBURG UNIFIED SCHOOL DISTRICT

GENERAL NOTES, TEST & INSPECTION GUIDELINE

REV / DATE:	BY:

JOB No.:	
DRAWN BY:	
DATE:	

A0.1

12'x40' P.C.

FINISHES:

1. ~~RESILIENT BASE COVE -
BEST QUALITY, MOULDED RUBBER, 1/8" THICK, 4" HIGH, MOULDED TOP SET COVE.
SOLID COLORS AS MANUFACTURED BY "BURKE RUBBER CO." OR EQUAL.
ADHESIVE SHALL COMPLY WITH 2022 CAL GREEN BUILDING STANDARDS CODE, SEC 5.504.4.1
BASE COVE SHALL OF NOT LESS THAN CLASS II, CBC 804.2 & 806.8~~

2. COMMERCIAL SHEET VINYL / RESILIENT FLOORING -
ARMSTRONG CORLON OR EQUAL.
FLOORING SHALL BE SLIP RESISTANT. (0.5 MIN. COEFFICIENT OF FRICTION PER ASTM D-2047)
80% OF NON-ABORBENT FLOORING SHALL COMPLY WITH 2022 CAL GREEN STANDARDS CODE, SECTION 5.504.4.6.
APPLICATION AND MAINTENANCE OF POLISHED-COATED FLOOR SURFACES IS BY OWNER.

   WALL BASE - 6" SELF COVED SHEET VINYL (SAME AS NOTE 1.1 ABOVE)

3. FIBERGLASS REINFORCED POLYETHYLENE (FRP) PANELS OVER 1/2" GYPSUM WALL BOARD (OVER WATER RESISTANT GWB AT PLUMBING AND WET WALLS ONLY)
FRP FLAME SPREAD 25, SMOKE DENSITY 180.

5. ADHESIVES SHALL BE WATER BASE, SOLVENT BASE NOT ACCEPTABLE. FURNISH AND APPLY PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
ADHESIVES SHALL COMPLY WITH 2022 CGBSC, SECTION 5.504.4.1

6. SEALANTS -
ROOF & MODULE LINE - POLYURETHANE
SIDING & TRIM - ACRYLIC LATEX
SEALANTS SHALL COMPLY WITH 2022 CGBSC, SECTION 5.504.4.1

7. PAINT -
EXTERIOR WOOD
PRIMER.....ACRYLIC UNDERCOAT
FINISH ......ACRYLIC LATEX

   ALL STRUCTURAL STEEL AND NON-GALVANIZED LIGHT GAUGE STEEL (EXPOSED AND NON-EXPOSED)
PRIMER.....RED OXIDE ALKYD
FINISH ....ACRYLIC LATEX

   PAINTS AND COATINGS SHALL COMPLY WITH 2022 CGBSC, SECTION 5.504.4.3

8. EXTERIOR SIDING -
8" o.c. GROOVED MEDIUM DENSITY OVERLAY (M.D.O.), PLYWOOD, LAP SIDING, OR STUCCO PATTERN FACED EXTERIOR HARDBOARD SIDING. (MINIMUM NET THICKNESS 3/8").

   COMPOSITE WOOD PRODUCTS SHALL COMPLY WITH 2022 CAL GREEN BUILDING STANDARDS CODE, SECTION 5.504.4.5

9. JOINTS, PENETRATIONS AND OTHER OPENINGS IN THE BUILDING ENVELOPE SHALL BE SEALED TO LIMIT INFILTRATION AND EXFILTRATION.
SEALANT PAINTED TO MATCH FINISHES.

10. ENVIRONMENTAL QUALITY:
ALL ADHESIVES, SEALANTS, CAULKS, PAINTS, COATINGS, CARPET SYSTEMS, CARPET CUSHIONS, COMPOSITE WOOD PRODUCTS, AND RESILIENT FLOORING SYSTEMS SHALL COMPLY WITH 2022 CAL GREEN BUILDING STANDARDS CODE, REFERENCE TABLES 5.504.4.1, 5.504.4.2, 5.504.4.3, 5.504.4.5, AND 5.504.4.6.

DOORS:

1. HOLLOW METAL DOORS AND FRAMES- SIZES NOTED ON PLAN, 1 3/4" THICK 18 GA.
FULL FLUSH DOOR IN 16 GA. METAL FRAME
EXIT DOOR SHALL BE OPENABLE FROM THE INTERIOR WITHOUT A KEY OR SPECIAL KNOWLEDGE OR EFFORT.

2. CLOSERS FOR INTERIOR AND EXTERIOR DOORS SHALL BE SET FOR A MAXIMUM OPENING PRESSURE OF 5 LBS. MAX. CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM.

3. DEADBOLTS NOT PERMITTED UNLESS OPERABLE WITH A SINGLE EFFORT USING LEVER HANDLE.

4. DOOR HANDLES & PULLS SHALL BE PLACED ON BOTH SIDES; LATCHES, LOCKS AND OTHER OPERATING DEVICES ON DOORS REQUIRED TO BE ACCESSIBLE SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE, SHALL BE 5 LBS. MAX. TO ACTIVATE OPERABLE PARTS, AND SHALL BE 34" MINIMUM AND 44 INCHES MAXIMUM ABOVE FINISHED FLOOR.

5. DOOR SWINGS CAN BE RIGHT OR LEFT HAND HINGE.

6. HARDWARE SHALL BE CENTERED BETWEEN 34" AND 44" ABOVE FINISHED FLOOR. - ALL DOORS TO CLASSROOMS, AND ANY ROOM WITH AN OCCUPANT LOAD OF 5 OR MORE PERSONS, SHALL BE EQUIPED WITH 'AB211' COMPLIANT HARDWARE.
COMPLIANT WITH C.B.C. 1010.2.8.2

7. RESTROOM EXTERIOR DOOR HARDWARE:

LOCKSET:	SCHLAGE ND70PD RHO OR EQUAL
HINGES:	HAGER BB1279 N.R.P 4-1/2"x4-1/2" OR EQUAL
CLOSER:	NORTON 8501BF OR EQUAL
THRESHOLD:	PEMKO 271A OR EQUAL
DOOR BOTTOM:	PEMKO 216AV OR EQUAL
WEATHERSTRIP:	PEMKO 306A OR EQUAL

   Exit Signs:
Where required, exits and exit access shall be marked by approved exit sign readily visible from any direction of egress travel per CBC 1013.

WINDOWS:

FENESTRATION SPECIFICATION

FENEST. ASSEMBLY NAME	OPERABLE	WIDTH x HEIGHT	FRAME MATERIAL	MAXIMUM U-FACTOR	REQUIRED SHGC	MINIMUM VT	NFRC RATED	NFRC DIRECTORY REF No.	LOW-E	QTY. OF PANES	GLASS SPEC.	TEMPERED
LOW E INTERNATIONAL	PER PLAN	PER PLAN	ALUM.	0.52	0.34	0.59	YES	INT-A-73-00211-00017	YES	2	CLR.	YES
SOLATUBE 330 DS-C SINGLE DOME NATURAL EFFECTS LENS WITH THERMAL INSULATION PANEL	NO	22" DIA.	PLASTIC	0.18	0.33	0.38	YES	STU-K-3-00012-00001	N/A	N/A	CLR.	YES

NOTE:
1) TEMPORARY NFRC LABELS SHALL STAY ON FENESTRATION UNTIL VERIFIED BY THE IN-PLANT INSPECTOR TO MATCH THE FENESTRATION SPECIFICATION TABLE.
2) ANY FENESTRATION SUBSTITUTIONS MADE TO THE APPROVED PC MUST BE EQUAL OR BETTER THAN THE FENESTRATION ASSEMBLIES SHOWN IN THIS SCHEDULE.

1. **11B-229.1** GENERAL. WHERE GLAZED OPENINGS ARE PROVIDED IN ACCESSIBLE ROOMS OR SPACES FOR OPERATION BY OCCUPANTS, AT LEAST ONE OPENING SHALL COMPLY WITH SECTION 11B-309. EACH GLAZED OPENING REQUIRED BY AN ADMINISTRATIVE AUTHORITY TO BE OPERABLE SHALL COMPLY WITH SECTION 11B-309.

   11B-309 OPERABLE PARTS

   11B-309.1 GENERAL. OPERABLE PARTS SHALL COMPLY WITH SECTION 11B-309.

   11B-309.2 CLEAR FLOOR SPACE. A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH SECTION 11B-305. SHALL BE PROVIDED.

   11B-309.3 HEIGHT. OPERABLE PARTS SHALL BE PLACED WITHIN ONE OR MORE REACH RANGES SPECIFIED IN SECTION 11B-308.

   11B-309.4 OPERATION. OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS (22.2 N) MAXIMUM.

   11B-305 CLEAR FLOOR OR GROUND SPACE

   11B-305.1 GENERAL. CLEAR FLOOR OR GROUND SPACE SHALL COMPLY WITH SECTION 11B-305.

   11B-305.2 CLEAR FLOOR SPACE. FLOOR OR GROUND SURFACES OF CLEAR FLOOR OR GROUND SPACE SHALL COMPLY WITH SECTION 11B-302. CHANGES IN LEVEL ARE NOT PERMITTED.

   EXCEPTION. SLOPED NOT STEEPER THAN 1:48 SHALL BE PERMITTED.

   11B-305.3 SIZE. THE CLEAR FLOOR OR GROUND SPACE SHALL BE 30 INCHES (762 mm) MINIMUM BY 48 INCHES (1219 mm) MINIMUM.

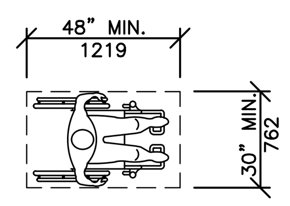

FIGURE 11B-305.3
CLEAR FLOOR OR GROUND SPACE

   11B-305.4 KNEE AND TOE CLEARANCE. UNLESS OTHERWISE SPECIFIED, CLEAR FLOOR OR GROUND SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH SECTION 11B-306.

   11B-305.5 POSITION. UNLESS OTHERWISE SPECIFIED, CLEAR FLOOR OR GROUND SPACE SHALL BE POSITIONED FOR EITHER FORWARD OR PARALLEL APPROACH TO AN ELEMENT.

   11B-308.3 SIDE REACH.

   11B-308.3.1 UNOBSTRUCTED. WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE SIDE REACH IS UNOBSTRUCTED, THE HIGH SIDE REACH SHALL BE 48 INCHES (1219 mm) MAXIMUM AND THE LOW SIDE REACH SHALL BE 15 INCHES (381 mm) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.

PLUMBING:

1. **PLUMBING FIXTURE SCHEDULE:**

   ADULT USE - WATER CLOSET (WALL MOUNT):
KOHLER "KINGSTON" (1.28 G.P.F.) K-4325 OR EQUAL
W/ SLOAN ROYAL 111-1.28 FLUSH VALVE (1.28 G.P.F.) OR EQ.

   ~~**ADULT USE - WATER CLOSET (FLOOR MOUNT):**
KOHLER "HIGHCLIFF ULTRA" (1.28 G.P.F.) K-96058-SSL OR EQUAL
W/ SLOAN ROYAL 111-1.28 FLUSH VALVE (1.28 G.P.F.) OR EQ.~~

   ~~**CHILD 9-12 - WATER CLOSET (FLOOR MOUNT):**
KOHLER "WELLCOMME ULTRA" (1.28 G.P.F.) K-96053 OR EQUAL
W/ SLOAN ROYAL 111-1.28 FLUSH VALVE (1.28 G.P.F.) OR EQ.~~

   ~~**CHILD 5-8 - WATER CLOSET (FLOOR MOUNT):**
KOHLER "JUVENILE ULTRA" (1.28 G.P.F.) K-96059 OR EQUAL
W/ SLOAN ROYAL 111-1.28 FLUSH VALVE (1.28 G.P.F.) OR EQ.~~

   ~~**CHILD 3-4 - WATER CLOSET (FLOOR MOUNT):**
KOHLER "PRIMARY" (1.28 G.P.F.) K-96064 OR EQUAL
W/ SLOAN ROYAL 111-1.28 FLUSH VALVE (1.28 G.P.F.) OR EQ.~~

   SEAT: BEMIS 1955-SSC (O.F.L.C.) OR EQUAL
BEMIS BB955C OR EQUAL AT CHILD 3-4 WATER CLOSET

   URINALS: ~~KOHLER "DEXTER" K-5452-ET (0.125 G.P.F.) OR EQUAL
W/ SLOAN MODEL 186-0.125 FLUSH VALVE (0.125 G.P.F.) OR EQ.~~

   LAVATORIES: KOHLER "KINGSTON" K-2005 20" X 18" OR EQUAL

   FAUCET: T & S BRASS, B-2711-F05 (0.5 GPM) OR EQUAL

   ~~**OPT.**~~ **WATER HEATER:** "CHRONOMITE", INSTANTANEOUS ELECTRIC (OR EQUAL), 6.15 KW MIN.
EXPOSED HOT WATER PIPES SHALL BE INSULATED. 1" THICK INSULATION FOR PIPE 1" DIA OR LESS. 1 1/2" THICK INSULATION FOR PIPE GREATER THAN 1" DIA.

   COLD WATER PIPING: TYPE L COPPER

   DRAIN, WASTE & VENT: ABS AND PVC PIPES, STRAPPED TO RESIST HORIZONTAL DISPLACEMENT DUE TO EARTHQUAKE MOTION PER TITLE 24, PART 5, CALIFORNIA CODE OF REGULATIONS, CHAPER 4, SEC. 401 (A)

2. ALL PLUMBING FIXTURES AND ACCESSORIES TO BE INSTALLED IN ACCORDANCE WITH ACCESSIBILITY REQUIREMENTS. (PER SECTION C.B.C. 11B DIVISION 6)
FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE BY ONE HAND AND NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.
THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBS.
LEVER OPERATED, PUSH TYPE, AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. SELF CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.

3. ALL TOILETS; FLOOR MOUNTED, OR WALL MOUNTED W/ HAND OPERATED FLUSH VALVE LOCATED 44 INCHES MAX. ABOVE FLOOR. WHEELCHAIR ACCESSIBLE TOILETS SHALL HAVE THE FLUSH VALVE ACTIVATOR ON THE OPEN SIDE. A FLUSH VALVE AT TOILETS INSTALLED PER SUGGESTED DIMENSIONS FOR CHILDREN'S USE SHALL BE MAX. 36" A.F.F (11B-604.9.5)

4. RESTROOM PRIVACY PARTITIONS:
DOORS HANDLES FOR ENAMELED STEEL PARTITIONS SHALL BE PLACED ON BOTH SIDES NEAR THE LATCH; SHALL PROVIDE A CLEAR WIDTH OF 34" (CLEAR WIDTH FROM INSIDE FACE OF DOOR OPEN 90 DEGREES TO DOOR STOP) FOR WHEELCHAIR ACCESSIBLE STALLS AND 24" WIDE FOR STANDARD STALLS. DOORS FOR ACCESSIBLE TOILETS SHALL BE SELF CLOSING, LATCHES, LOCKS AND OTHER OPERATING DEVICES ON DOORS REQUIRED TO BE ACCESSIBLE
SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE, SHALL BE 5 LBS. MAX. TO ACTIVATE OPERABLE PARTS, AND SHALL BE 34" MINIMUM AND 44 INCHES MAXIMUM ABOVE FINISHED FLOOR. (TOILET PARTITIONS MATERIALS PER 2022 CBC 803.1.1 - MIN. CLASS "C" RATING)

5. RESTROOM DOOR SIGNAGE:

   THE DOOR LEADING INTO MEN'S / BOY'S FACILITY SHALL BE IDENTIFIED BY AN EQUILATERAL TRIANGLE 1/4" THICK WITH EDGES 12" LONG AND A VERTEX POINTING UPWARD.

   THE DOOR LEADING INTO WOMEN'S / GIRL'S FACILITY SHALL BE IDENTIFIED BY A CIRCLE 1/4" THICK AND 12" IN DIAMETER.

   UNISEX FACILITY SHALL BE IDENTIFIED BY A CIRCLE 1/4 THICK AND 12" IN DIAMETER WITH A 1/4" THICK TRIANGLE WITH THE VERTEX POINTING UPWARD SUPERIMPOSED ON THE CIRCLE & WITHIN THE 12" DIAMETER, MAXIMUM 1/4" FROM THE CIRCLE EDGES.

   GEOMETRIC SIGNS SHALL BE MOUNTED ON THE DOOR AT A HEIGHT PER DETAIL 5/A5.

   GEOMETRIC SIGNS SHALL HAVE CONTRASTING COLOR REQUIREMENTS PER 11B-703.7.2.6. SEE DETAIL 5/A5.

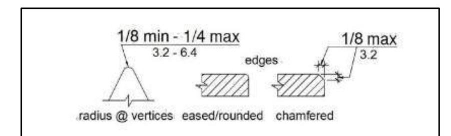

FIGURE 11B-703.7.2.6.4
EDGES AND VERTICES ON GEOMETRIC SYMBOLS

ROOFING

1. METAL ROOF:
PREFINISHED, UNPENETRATED INTERLOCKING, 26 GAGE MIN. GALVANIZED STEEL ROOF PANELS, MECH. CRIMPED STANDING SEAMS OVER SEAL-TITE #15 UNDERLAYMENT OVER 5/8" APA RATED, EXTERIOR GRADE PLYWOOD, OR ORIENTED STRAND BOARD (CLASS "B" FIRE RATING). REFERENCE 3/A1R FOR ATTACHMENT.
AGED SOLAR REFLECTANCE: 0.08 THERMAL EMITTANCE: 0.75

INSULATION

1. ALL INSULATION (INCLUDING PIPE INSULATION) SHALL COMPLY WITH CALIFORNIA QUALITY STANDARDS, CALIFORNIA BUILDING CODE SEC, 720 & 2603 FOR FOAM.
MAX FLAME SPREAD: 25, MAX SMOKE DENSITY: 450

   ROOF:
(SEE 1/AGB FOR TYPICAL ROOF ENVELOPE ASSEMBLY.

   WALLS:
(SEE 2/AGB FOR TYPICAL EXTERIOR WALL ENVELOPE ASSEMBLY)

   FLOOR:
(SEE 3/AGB FOR TYPICAL FLOOR ENVELOPE ASSEMBLY)

2. ALL JOINTS, PENETRATIONS AND OTHER OPENINGS IN THE BUILDING ENVELOPE THAT ARE POTENTIAL SOURCES OF AIR LEAKAGE SHALL BE CAULKED, GASKETED, WEATHER-STRIPPED OR OTHERWISE SEALED TO LIMIT INFILTRATION AND EXFILTRATION.

IDENTIFICATION LABELS

1. THE MANUFACTURER SHALL MECHANICALLY FASTEN TWO PERMANENT METAL IDENTIFICATION LABELS ON EACH BUILDING MODULE; ONE ON THE EXTERIOR AND THE OTHER LOCATED ON THE INTERIOR FRAME ABOVE THE CEILING, AT THE END OF THE MODULE.
THE LABELS SHALL SHOW THE DSA APPLICATION NUMBER AND CBC EDITION UNDER WHICH THE BUILDING CONSTRUCTION WAS AUTHORIZED, THE MANUFACTURER'S NAME, THE SERIAL NUMBER, THE DESIGN CLIMATE ZONES (PER TITLE 24, PART 6, § 140.3[A]8), THE DESIGN LIVE LOADS FOR THE ROOF AND FLOOR FRAMING, THE DESIGN WIND SPEED AND EXPOSURE CATEGORY AND SEISMIC DESIGN PARAMETER, Ss.
FOR BUILDINGS CONSTRUCTED IN ACCORDANCE WITH 2022 CBC, THE LABEL SHALL ALSO SHOW ASSOCIATED PV POWER REQUIREMENTS. SEE TABLE 4/AGB FOR PV/BATTERY POWER REQUIREMENTS PER BUILDING SIZE.

DESIGN LOAD SIGNAGE

1. WHEN BUILDINGS ARE DESIGNED AND CONSTRUCTED FOR A FLOOR LIVE LOAD EXCEEDING 50 POUNDS, THE BUILDING MANUFACTURER SHALL POST SIGNS IN A CONSPICUOUS LOCATION ON EACH BUILDING DEPICTING THE DESIGN FLOOR LOAD IN ACCORDANCE WITH DSA IR-16-1, SEC 4.2.
THE BUILDING MODULE "IDENTIFICATION LABELS" SHALL NOT BE CONSTRUED AS MEETING THIS REQUIREMENT.

LUMBER NOTES

1. SAWN LUMBER GRADED PER WEST COAST LUMBER INSPECTION BUREAU, RULE 17.

2. ALL FRAMING LUMBER SHALL BE DOUGLAS FIR #2,
ALL BLOCKING SHALL BE DOUGLAS FIR #3,

3. LAG SCREWS AND SCREWS SHALL BE SCREWED AND NOT DRIVEN INTO PLACE.

4. LUMBER MAY BE REJECTED FOR BOXED HEART, EXCESSIVE WARP, TWIST, SPLIT, CHECK, FUNGUS, MOLD, OR ANY REASON PROVIDED BY GRADING RULES.

5. ALL FRAMING LUMBER SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 19% AT THE TIME OF INSTALLATION AND SHALL BE AT 19% MAXIMUM MOISTURE CONTENT (VERIFIED BY THE IN-PLANT INSPECTOR) BEFORE BEING ENCLOSED BY INSULATION, GYPSUM BOARD, OR OTHER SURROUNDING MATERIALS.

BUILDING AND WALL PANELS:

1. ALL MODULES MAY BE BUILT OPPOSITE HAND FROM THE WAY THEY ARE SHOWN

2. SIDEWALL & ENDWALL ELEVATIONS DEPICT NON-BEARING WALLS NOT REQUIRED FOR THE RESISTANCE OF VERTICAL OR LATERAL LOADS.

WILDLAND URBAN INTERFACE (WUI):

BELOW ARE SPECIFIC REQUIREMENTS FOR EXTERIOR MATERIALS FOR BUILDINGS PLACED IN FIRE HAZARD SEVERITY ZONES. (CBC CHAPTER 7A). WHERE WUI OPTIONS ARE NECESSARY, SITE SPECIFIC DETAILS SHALL BE PROVIDED FOR THE OPTIONS LISTED BELOW.

ITEMS LISTED BELOW MAY BE SUBSTITUTED BY ANY ALTERNATE MATERIALS / PRODUCTS LISTED IN THE CURRENT VERSION OF "CAL-FIRE / STATE FIRE MARSHAL LISTED WILDLAND URBAN INTERFACE (WUI) PRODUCTS" HANDBOOK.

<u>ROOF COVERING:</u> (C.B.C. SECTION 705A)
26 GA. GALV. STEEL (NON-COMBUSTIBLE) INTERLOCKED STANDING SEAM ROOF PANELS, INSTALLED OVER ONE LAYER GAF "VERSASHIELD" DECK PROTECTION UNDERLAYMENT (OR EQ), INSTALLED OVER ROOF DECKING (NO SPACE BETWEEN ROOF PANELS AND DECKING).
(CLASS "A" RATED ROOF, ICC ESR-2053).

<u>ROOF GUTTERS:</u> (C.B.C. SECTION 705A.4)
SHALL BE SCREENED WITH A CORROSION-RESISTANT NONCOMBUSTIBLE WIRE MESH WITH 1/4" (6mm) MAX. OPENINGS (OR EQ).

<u>SOFFITS:</u> (C.B.C. SECTION 707A.5)
INTERLOCKING METAL SOFFIT PANELS, NON-COMBUSTIBLE, 12" WIDE x 22 GA (OR EQ).
(OVERHANG SOFFIT MAY BE NON-VENTED, PER DETAIL 20/S4.4) (OR EQ).
OR
JAMES HARDI - "HARDI SOFFIT", 3/16" AND 1/4", NON-COMBUSTIBLE FIBER-CEMENT PANEL (OR EQ).
(CSFM LISTING No: 8160-2026:0007)
OR
LOUISIANA PACIFIC - "LP FLAME BLOCK" , 15/32" OSB PANEL WITH PYROTILE COATING APPLIED TO ONE SIDE (OR EQ).
(CSFM LISTING No: 8160-2027:0007)

<u>EXTERIOR WALL FINISH:</u> (C.B.C. SECTION 707.A.3)
3-COAT STUCCO / CEMENT PLASTER FINISH, 7/8" MIN. TOTAL THICKNESS.
OR
LOUISIANA PACIFIC - "LP SMARTSIDE" , 7/16" EXTERIOR PANEL SIDING (OR EQ).
(CSFM LISTING No: 8140-2027:0002)
OR
JAMES HARDI - "HARDI TEXTURED PANEL", 5/16" NON-COMBUSTIBLE FIBER-CEMENT PANEL SIDING (OR EQ).
(CSFM LISTING No: 8140-2026:0502)
OR
JAMES HARDI - "HARDI-PLANK", 5/16" FIBER-CEMENT LAP SIDING (OR EQ).
(CSFM LISTING No: 8140-2026:0005)

<u>VENTS:</u> (C.B.C. SEC. 706A.1 & 2)
BRANDGUARD VENTS - 26 GAUGE HOT DIPPED GALV SHEET STEEL, GALV 1/8" SQUARE MESH SCREEN (OR EQ).
(CSFM LISTING No: 8165-2232:0500, 8165-2232-0502)

<u>EXTERIOR WINDOWS:</u> (C.B.C. SECTION 708A.2.1)
METAL FRAME, MULTI-PANE WITH A MINIMUM OF ONE TEMPERED PANE
OR
HAVE A FIRE RESISTANCE RATING OF NOT LESS THAN 20 MINUTES.

<u>EXTERIOR DOORS:</u> (C.B.C. SECTION 708A.3)
DOOR SURFACE OR CLADDING SHALL BE OF NON-COMBUSTIBLE MATERIAL
OR
DOOR ASSEMBLY SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 20 MINUTES.

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ARTHUR ERNEST ROSS
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PITTSBURG UNIFIED SCHOOL DISTRICT

MATERIAL SPECIFICATIONS & NOTES

REV / DATE:	BY:

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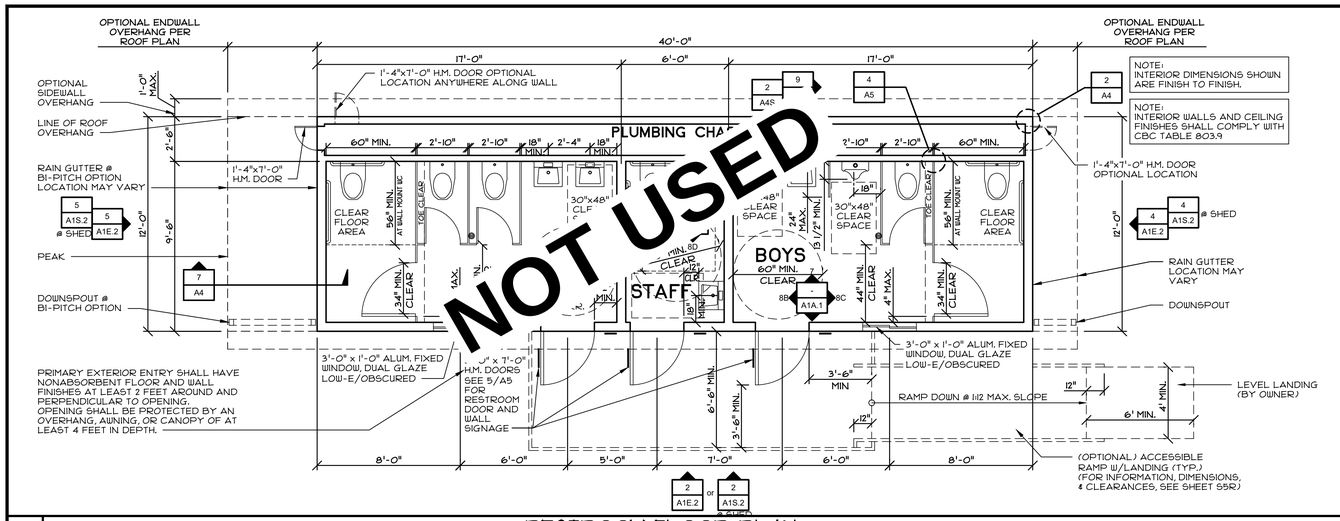
A1N

12'x40' P.C.



1 RESTROOM FLOOR PLAN

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

NOTE: INTERIOR DIMENSIONS SHOWN ARE FINISH TO FINISH.

NOTE: INTERIOR WALLS AND CEILING FINISHES SHALL COMPLY WITH CBC TABLE 803.9

FOR MATERIAL SPECIFICATIONS & NOTES, SEE SHEET A1N.

NOTES:

1. PLAN AND ELEVATIONS ON THIS SHEET ONLY REFERENCES SHEET "A4". APPLICABLE DETAILS FOR DIFFERENT BUILDING OPTIONS MAY BE FOUND THROUGHOUT ANY OF THE "A4X.X" SHEET SERIES.
2. FOR SITE SPECIFIC APPLICATION: PLUMBING PLANS SHALL BE INCLUDED FOR DSA REVIEW AND APPROVAL.
3. ~~BUILDINGS WITH A PERMANENT FOUNDATION SHALL HAVE A MINIMUM OPENING SIZE OF 24" WIDE x 18" TALL TO ACCESS ALL UNDER FLOOR UTILITIES SUCH AS ELECTRICAL, MECHANICAL, AND PLUMBING. SEE 1/C6.1 OR C7/C6.1.~~

9 SHEET NOTES

SEE SHEET A.1 FOR SITE SPECIFIC SHEET

DIMENSIONS FOR ADULT USE

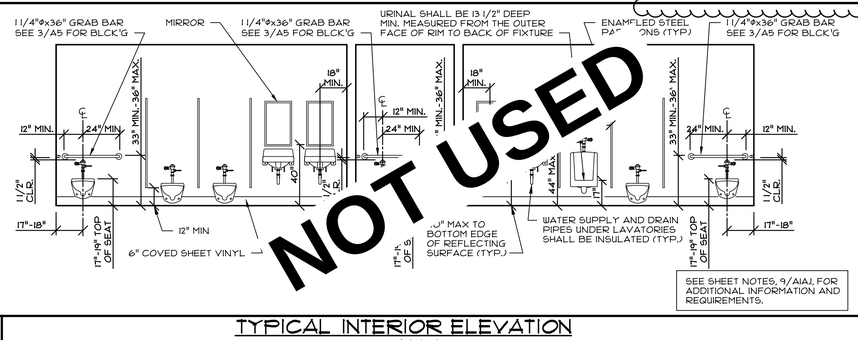
WATER CLOSET CENTERLINE	17" TO 18"
TOILET SEAT HEIGHT	17" TO 19"
GRAB BAR HEIGHT	33" TO 36" (TO TOP OF GRIP SURFACE)
DISPENSER HT. TO OUTLET TOILET PAPER	19" TO OUTLET (7" TO 9" FROM FRONT OF TOILET TO CENTERLINE)
SAN. NAPKIN DISPOSAL	19" TO OUTLET

11B-609 GRAB BARS
11B-609.3 SPACING. THE SPACE BETWEEN THE WALL AND THE GRAB BAR SHALL BE 1 1/2" (38 mm). THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS BELOW AND AT THE ENDS SHALL BE 1 1/2" (38 mm) MIN. THE SPACE BETWEEN THE GRAB BAR & PROJECTING OBJECTS ABOVE SHALL BE 12 INCHES (305 mm) MINIMUM.

11B-604.7 DISPENSERS AND DISPOSAL UNITS
11B-604.7.2 SANITARY NAPKIN DISPOSAL UNITS, IF PROVIDED, SHALL COMPLY WITH SECTION 11B-309.4 AND SHALL BE WALL MOUNTED AND LOCATED ON THE SIDEWALL BETWEEN THE REAR WALL OF THE TOILET AND THE TOILET PAPER DISPENSER, ADJACENT TO THE TOILET PAPER DISPENSER. THE DISPOSAL UNIT SHALL BE LOCATED BELOW THE GRAB BAR WITH THE OPENING OF THE DISPOSAL UNIT 19 INCHES MINIMUM (483 MM) ABOVE THE FINISH FLOOR.

6 TYPICAL FIXTURE MOUNTING HEIGHTS

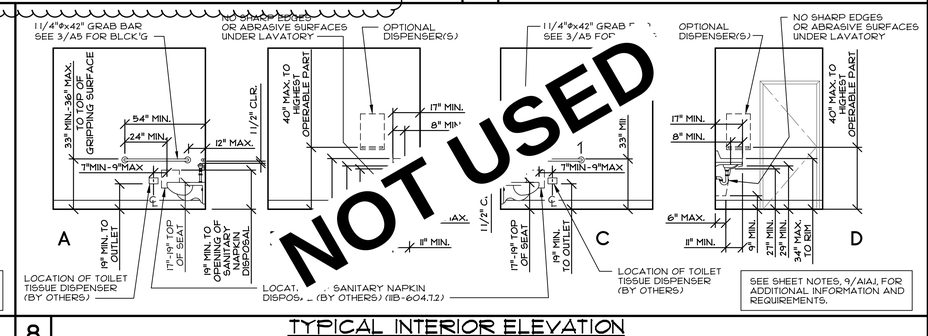
SEE SHEET A.1 FOR SITE SPECIFIC SHEET



SEE SHEET NOTES, 9/A1A1, FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

7 TYPICAL INTERIOR ELEVATION

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



SEE SHEET NOTES, 9/A1A1, FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

8 TYPICAL INTERIOR ELEVATION

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

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STAFF, BOYS, GIRLS RESTROOM FLOOR PLAN, INTERIOR ELEVATIONS, & NOTES- ADULT

REV / DATE:	BY:

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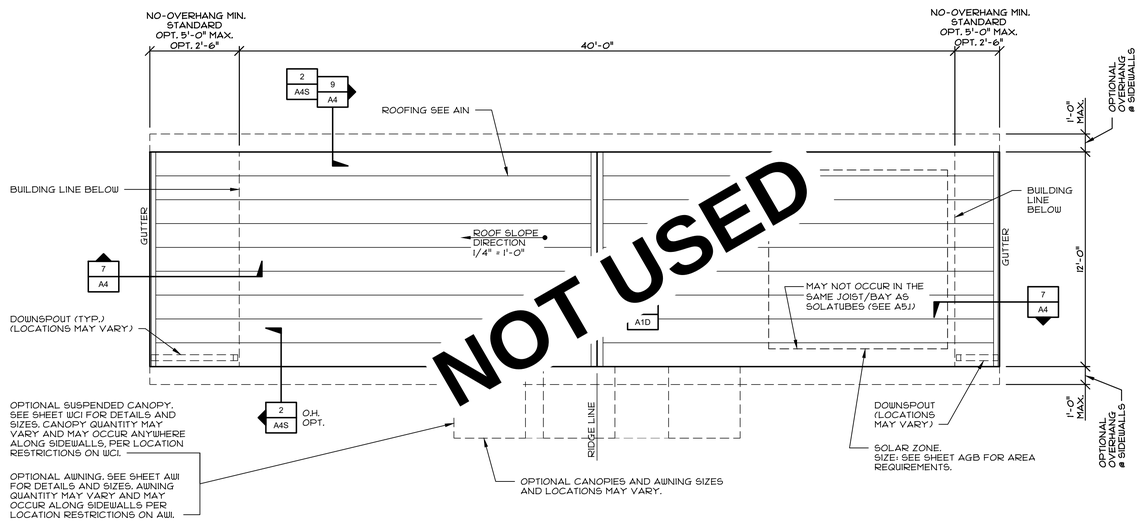
DATE:

A1A.1

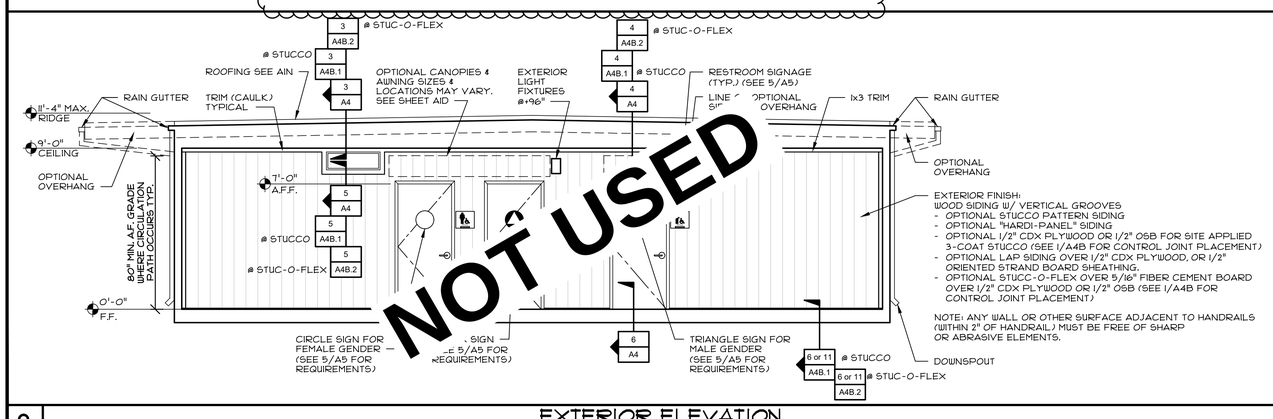
12x40' P.C.



SEE SHEET A.1 FOR SITE SPECIFIC SHEET

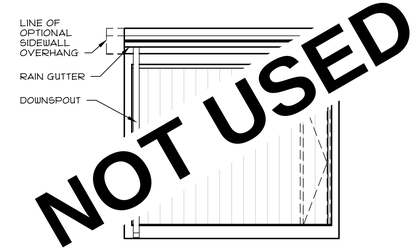
1 BI-PITCH ROOF PLAN
SCALE: 1/4"=1'-0"

SEE SHEET A.1 FOR SITE SPECIFIC SHEET

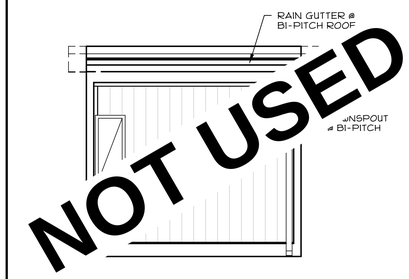


2 EXTERIOR ELEVATION
SCALE: 1/4"=1'-0"

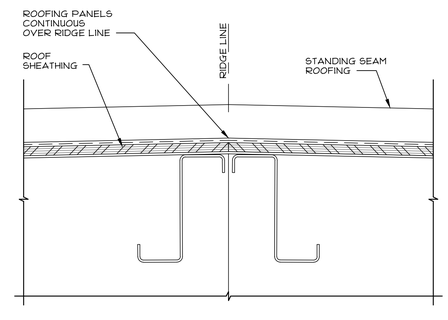
SEE SHEET A.1 FOR SITE SPECIFIC SHEET



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



5 EXTERIOR ELEVATION
SCALE: 1/4"=1'-0"



7 BI-PITCH ROOF CAP DETAIL
SCALE: 3"=1'-0"

NOTE:
BI-PITCH ROOF PLAN ON THIS SHEET ONLY REFERENCE SHEET "A4"

SHEET REFERENCES
WHERE DETAIL "A4" IS CALLED OUT.

STUD SIZE	W/O OHG.	BI-PITCH W/ OHG.	1 HR. FIRE BARRIER W/O OHG.	1 HR. FIRE BARRIER BI-PITCH OHG.
2x4	A4	~~A4.1~~	~~N/A~~	~~N/A~~
~~2x6~~	~~A4.3~~	~~A4.3~~	~~A4.3~~	~~A4.3~~

FUTURE SOLAR INSTALLATION WILL REQUIRE SEPARATE DSA APPLICATION

SHEET NOTE

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BI-PITCHED ROOF PLANS, EXTERIOR ELEVATIONS & DETAIL

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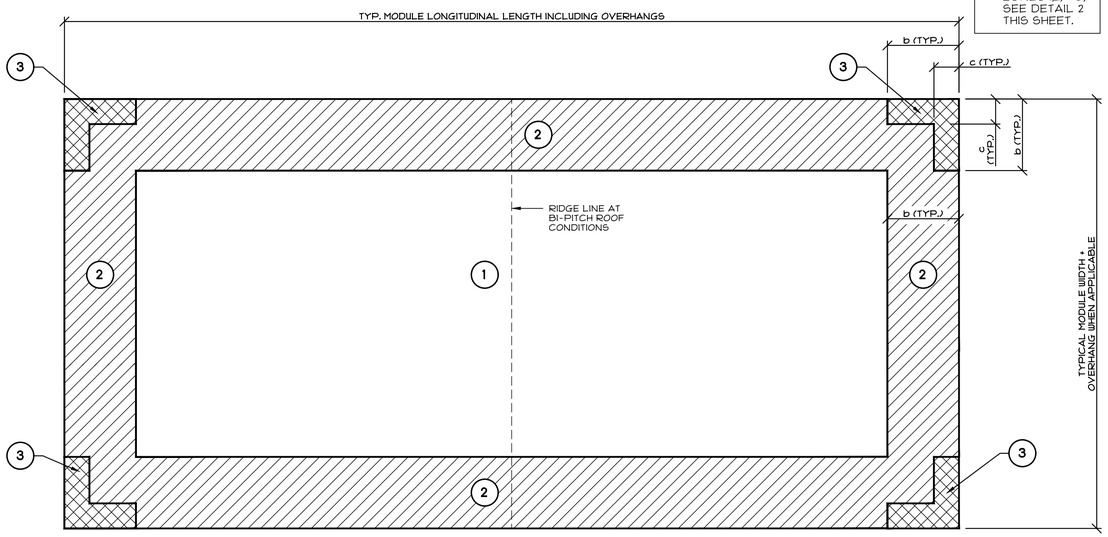
DATE:

12x40' P.C.

A1E.2



1A WIND PRESSURE ZONES AT ~~"SHED" OR~~ "BIPITCHED" ROOF

SCALE: NONE

"BIPITCHED" ~~OR "SHED"~~ ROOF

b - 0.6h *

c - 0.2h *

* h = MEAN ROOF HEIGHT IN FEET, EXCEPT THAT EAVE HEIGHT SHALL BE USED FOR ANGLES < 10°

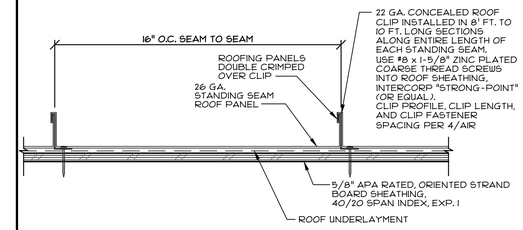
1 2 3

INDICATE DESIGN WIND PRESSURE ZONES PER ASCE 7-16 FIGURE 30.4-1, SEE SCHEDULE ON DETAIL 3, THIS SHEET FOR WIND PRESSURES IN EACH ZONE.

* b, c AND h DIMENSIONS DETERMINE THE LIMITS OF ZONE 3 AND MUST BE INDICATED ON A PLAN FOR EACH SITE-SPECIFIC PROJECT.

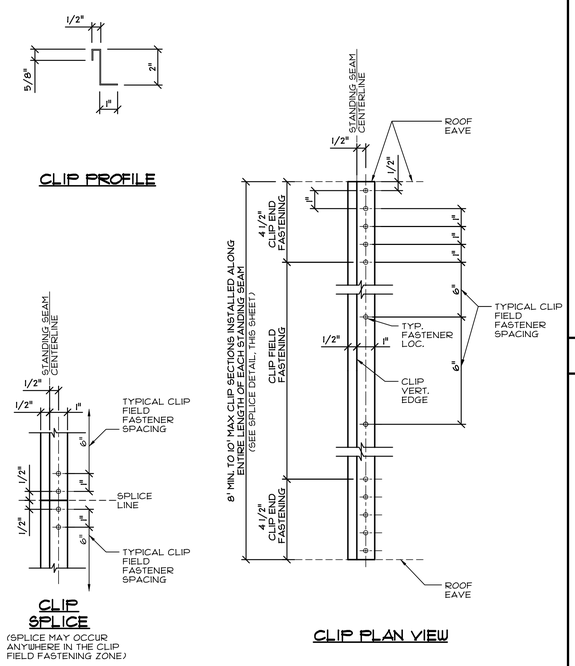
2 NOTES

WIND ZONE DEMAND SCHEDULE	
ZONE	ULTIMATE, LRFD, WIND UPLIFT (PSF)
3	88.6
2	64.6
1	46.1



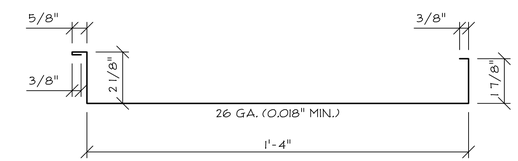
3 TYP. ROOFING ATTACHMENT

SCALE: 3"=1'-0"



4 TYP. ROOFING CLIP

SCALE: 3"=1'-0"

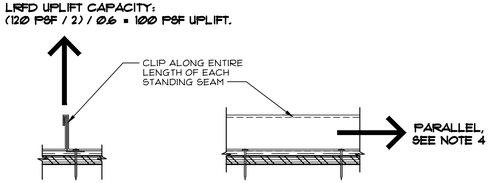


5 TYP. STANDING SEAM PANEL

SCALE: NTS

ASD ALLOWABLE UPLIFT:
120.0 / 2 = 60.0 PSF UPLIFT.

LRFD UPLIFT CAPACITY:
(120 PSF / 2) / 0.6 = 100 PSF UPLIFT.

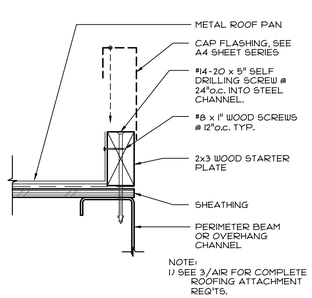


NOTES:

1. VALUES HAVE BEEN DETERMINED BY TESTING IN ACCORDANCE WITH UL 1897: STANDARD FOR SAFETY, UPLIFT TESTS FOR ROOF COVERING SYSTEMS.
   TWINING CONSULTING/RADCO, INC., TEST REPORT No.; 226005.R-REV 1, ISSUED MARCH 28, 2022.
2. NOT USED.
3. ALLOWABLE UPLIFT CAPACITY INCLUDES A SAFETY FACTOR = 2
4. THE CLIP SLIDING CAPACITY HAS NOT BEEN TESTED. IF SOLAR PANELS ARE TO BE ADDED TO A ROOF, THE ROOF CLIP SLIDING CAPACITY MUST BE DETERMINED BY FIELD TESTING FOR ROOF SLOPES EQUAL TO OR GREATER THAN 7 DEGREES, EXCEPT IF THE SLIDING LOAD FROM SEISMIC AND WIND ON THE SOLAR PANEL SYSTEM IS LESS THAN THE DISPLACED DESIGN LIVE LOAD SLIDING COMPONENT PER IR 16-8 SECTION 5.1.2.
5. P.V. PANEL ATTACHMENT IS NOT PART OF THIS PC APPROVAL.
6. CONVERSION FROM ALLOWABLE UPLIFT (ASD) TO UPLIFT CAPACITY (LRFD) BASED ON ASD WIND PRESSURE = 0.6 (LRFD WIND PRESSURE).

7 ROOFING CLIP CAPACITIES

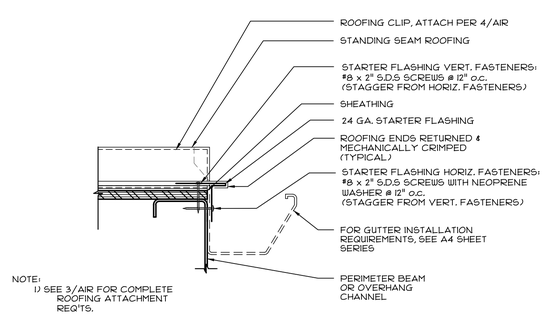
SCALE: NONE



NOTE:
1) SEE 3/AIR FOR COMPLETE ROOFING ATTACHMENT REQ'TS.

8 ROOFING INSTALLATION - SIDEWALL

SCALE: 3"=1'-0"

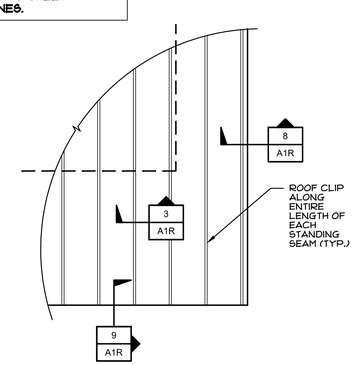


NOTE:
1) SEE 3/AIR FOR COMPLETE ROOFING ATTACHMENT REQ'TS.

9 ROOFING INSTALLATION - ENDWALL

SCALE: 3"=1'-0"

SEE 1A THIS SHEET FOR ZONES.



6 ROOFING CLIP SPACING DETAIL

SCALE: NONE

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PITTSBURG UNIFIED SCHOOL DISTRICT

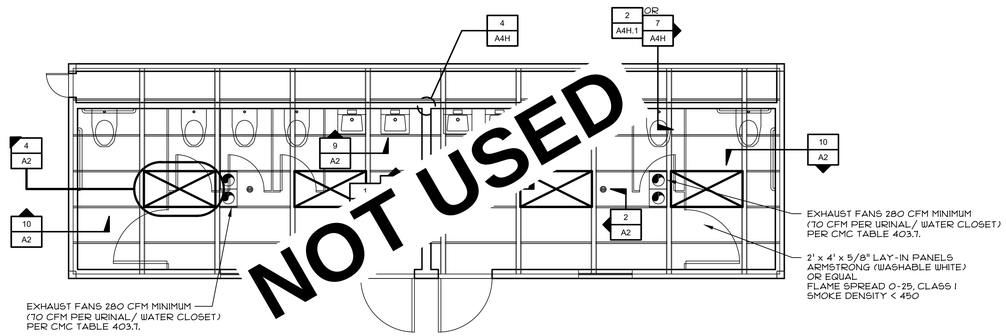
ROOFING ATTACHMENT

REV / DATE:	BY:

JOB No.:	
DRAWN BY:	
DATE:	

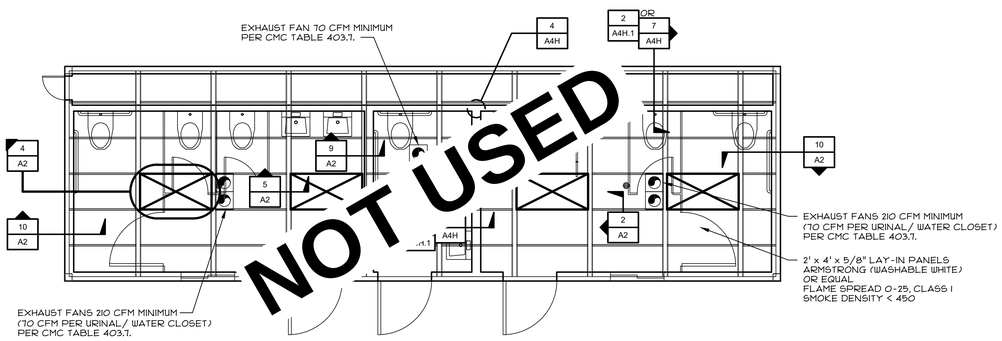
12"x40" P.C.

A1R



NOTE: CEILING TILE & LIGHTING FIXTURES IN MODULES ARE NOT SUSPENDED. THE BUILDING HAS A FIXED CEILING AND LIGHTING FIXTURE SUPPORT SYSTEM WHICH IS MECHANICALLY FASTENED TO STEEL CEILING BEAMS.

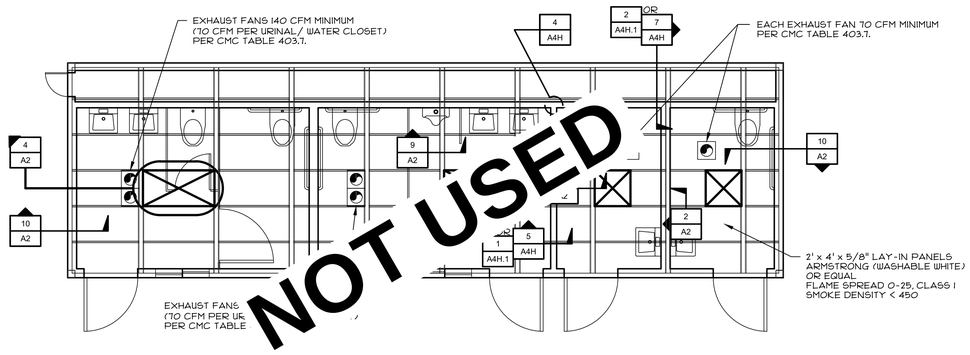
1 "BOYS / GIRLS" REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"



NOTE: CEILING TILE & LIGHTING FIXTURES IN MODULES ARE NOT SUSPENDED. THE BUILDING HAS A FIXED CEILING AND LIGHTING FIXTURE SUPPORT SYSTEM WHICH IS MECHANICALLY FASTENED TO STEEL CEILING BEAMS.

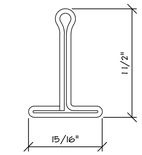
SEE SHEET A2.1 FOR SITE SPECIFIC SHEET

6 "STAFF / BOYS / GIRLS" REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"



NOTE: CEILING TILE & LIGHTING FIXTURES IN MODULES ARE NOT SUSPENDED. THE BUILDING HAS A FIXED CEILING AND LIGHTING FIXTURE SUPPORT SYSTEM WHICH IS MECHANICALLY FASTENED TO STEEL CEILING BEAMS.

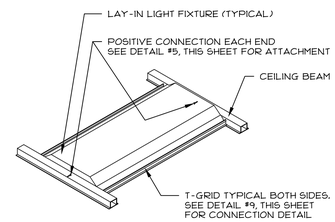
12 "STAFF / STAFF / BOYS / GIRLS" REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"



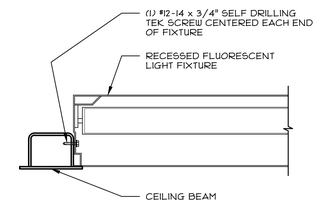
NOTE: T-GRID TO BE DONN CORP. CROSS TEE : DX424 OR CHICAGO METALLIC CORP. .020 TEE GRID, 400 SERIES OR EQUAL @ 24" O.C. TYPICAL.

2 TYP. T-GRID SECTION
SCALE: FULL

3



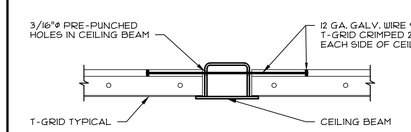
4 LAY-IN LIGHT FIXTURE
SCALE: 1/2"=1'-0"



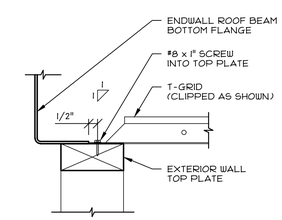
5 LIGHT FIXTURE SUPPORT
SCALE: 3"=1'-0"

7

8



9 T-GRID CONNECTION DETAIL
SCALE: 3"=1'-0"



10 T-GRID CONNECTION DETAIL
SCALE: 3"=1'-0"

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required.

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APP: 01-121299 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 2/13/2024

CYS
STRUCTURAL ENGINEERS INC.
2465 Natomas Park Drive, Suite 610
Sacramento, Ca 95833
(916) 929-9191 Fax (916) 929-9190
www.cysesg.com

01/16/2024
12/14/2023

REGISTERED PROFESSIONAL ENGINEER
ARTHUR ERNEST REST
No. S2030
STRUCTURAL
STATE OF CALIFORNIA

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DATE: 12/21/2023

PITTSBURG ADULT EDUCATION CENTER
PITTSBURG UNIFIED SCHOOL DISTRICT

REFLECTED CEILING PLANS & CEILING ATTACHMENT DETAILS

REV / DATE:	BY:

JOB No.:	
DRAWN BY:	
DATE:	

A2

12x40 P.C.

NOTE :
ONLY APPLICABLE CAL-GREEN MANDATORY MEASURES TO THE ENVIROPLEX MODULAR BUILDING ARE LISTED BELOW. FOR A COMPLETE LIST OF MEASURES REQUIRED FOR THE ENTIRE CONSTRUCTION PROJECT, REFER TO DSA DOCUMENT GL-4.

1. WATER CLOSETS.
   THE EFFECTIVE FLUSH VOLUME OF ALL WATER CLOSETS SHALL NOT EXCEED 1.28 GALLONS PER FLUSH. TANK-TYPE WATER CLOSETS SHALL BE CERTIFIED TO THE PERFORMANCE CRITERIA OF THE U.S. EPA WATERSENSE SPECIFICATION FOR TANK-TYPE TOILETS.
2. URINALS.
   THE EFFECTIVE FLUSH VOLUME SHALL NOT EXCEED 0.125 GALLONS PER FLUSH FOR FLOOR MOUNTED URINALS AND 0.125 GALLONS PER FLUSH FOR WALL MOUNTED URINALS.
3. INDOOR WATER USE:
   LAVATORY FAUCETS - 0.5 GPM
   KITCHEN FAUCETS - 1.8 GPM 60 p.s.i.
   GRAVITY TANK WATER CLOSET - 1.28 GAL/FLUSH
   FLUSHOMETER TANK WATER CLOSET - 1.28 GAL/FLUSH
   FLUSHOMETER VALVE WATER CLOSET - 1.28 GAL/FLUSH
4. EXTERIOR DOOR PROTECTION.
   PRIMARY EXTERIOR ENTRIES SHALL BE COVERED TO PREVENT WATER INTRUSION BY USING NONABSORBENT FLOOR AND WALL FINISHES WITHIN AT LEAST 2 FEET AROUND AND PERPENDICULAR TO SUCH OPENINGS
   PLUS AT LEAST ONE OF THE FOLLOWING:
   1. AN INSTALLED AWNING AT LEAST 4 FEET IN DEPTH.
   2. THE DOOR IS PROTECTED BY A ROOF OVERHANG AT LEAST 4 FEET IN DEPTH.
   3. NOT USED
   4. OTHER METHODS WHICH PROVIDE EQUIVALENT PROTECTION.
5. CONSTRUCTION WASTE MANAGEMENT:
   A MINIMUM OF 65% OF THE NONHAZARDOUS CONSTRUCTION AND DEMOLITION WASTE SHALL BE RECYCLED AND/OR SALVAGED FOR REUSE.

   CONSTRUCTION WASTE MANAGEMENT PLAN SHALL:
   1) IDENTIFY WASTE MATERIALS TO BE DIVERTED FROM DISPOSAL.
   2) DETERMINE OF WASTE MATERIALS WILL BE SORTED ON-SITE OR BULK MIXED
   3) IDENTIFY DIVERSION FACILITIES WHERE COLLECTED WASTE MATERIAL WILL BE TAKEN.
   4) SPECIFY THE AMOUNT OF WASTE DIVERTED CALCULATED BY WEIGHT OR BY VOLUME.

   UTILIZE A WASTE MANAGEMENT COMPANY THAT CAN PROVIDE VERIFIABLE DOCUMENTATION THAT THE PERCENTAGE OF CONSTRUCTION AND DEMOLITION WASTE MATERIAL DIVERTED FROM THE LANDFILL.
6. COVERING OF DUCT OPENINGS AND PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION.
   AT THE TIME OF ROUGH INSTALLATION, OR DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING, COOLING AND VENTILATING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF DUST, WATER AND DEBRIS WHICH MAY COLLECT IN THE SYSTEM.
7. COMPOSITE WOOD PRODUCTS.
   HARDWOOD PLYWOOD, PARTICLEBOARD AND MEDIUM DENSITY FIBERBOARD COMPOSITE WOOD PRODUCTS USED ON THE INTERIOR OR EXTERIOR OF THE BUILDINGS SHALL MEET THE REQUIREMENTS FOR FORMALDEHYDE AS SPECIFIED IN ARB'S AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD (17 CCR 93120 ET SEQ.).
   THOSE MATERIALS NOT EXEMPTED UNDER THE ATCM MUST MEET THE SPECIFIED EMISSION LIMITS, AS SHOWN IN TABLE 5.504.4.5.

5 CAL-GREEN MANDATORY MEASURES

Building size			Group 1 - Climate Zones; 1*,3,5,16 (Factor A = 1.27)			Group 2 - Climate Zones; 2,4,6-14 (Factor A = 1.63)			Group 3 - Climate zone; 15 (Factor A = 2.46)		
W	L	sq.ft	Min PV System Capacity (kw)	Min. Battery Energy Cap (kWh)	Min. Battery Power Cap (kw)	Min PV System Capacity (kw)	Min. Battery Energy Cap (kWh)	Min. Battery Power Cap (kw)	Min PV System Capacity (kw)	Min. Battery Energy Cap (kWh)	Min. Battery Power Cap (kw)
12	40	480	0.61			0.78			1.18		

requires PV system
PV system is NOT required if less than 4kw (exception 2 - 140.10(a))

NOTES:
1) THE PHOTOVOLTAIC SYSTEM IS NOT DESIGNED NOR APPROVED AS PART OF THIS PC. IF REQUIRED, A COMPLETE PHOTOVOLTAIC SYSTEM DESIGN SHALL BE SUBMITTED FOR DSA APPROVAL FOR THE SITE SPECIFIC APPLICATION.
2) SITE SPECIFIC DESIGN AND INSTALLATION OF PHOTOVOLTAIC SYSTEM IS NOT BY ENVIROPLEX.

PV & BATTERY REQUIREMENT GUIDELINES

A) MINIMUM SOLAR ZONE AREA BASED ON TOTAL ROOF AREA (NON-SHADED CONDITIONS) :

1) THE SOLAR ZONE MUST HAVE A TOTAL AREA THAT IS NO LESS THAN 15 PERCENT OF THE TOTAL ROOF AREA AFTER SUBTRACTING ANY AREA OF THE ROOF THAT IS COVERED BY A SKYLIGHT.

2) THE TOTAL AREA OF THE SOLAR ZONE MAY BE COMPOSED OF MULTIPLE SUB-AREAS. NO DIMENSION OF A SUB-AREA CAN BE LESS THAN FIVE FEET, EACH SUB-AREA MUST BE AT LEAST 80 SQUARE FEET.

B) **SOLAR READY ROOF AREA REQUIREMENT PER BUILDING SIZE:**

Building size			Roof Area: Building area (sf)	Roof Area: Max. potential overhangs (sf)	Roof Area: total (sf)	minimum solar zone area required (sf)
12	x	40	480	220	700	105

C) MINIMUM SOLAR ZONE AREA BASED ON POTENTIAL SOLAR ZONE (SHADED CONDITIONS) :

1) THE MINIMUM REQUIRED SOLAR ZONE AREA MAY BE REDUCED IF THE BUILDING SITE IS SHADED BY OBJECTS THAT ARE NOT PART OF THE BUILDING ITSELF AND THERE IS NO UN-SHADED AREA THAT COULD ACCOMMODATE THE FULL SOLAR ZONE.

2) THE POTENTIAL SOLAR ZONE IS DEFINED AS THE TOTAL AREA ON ROOF, OVERHANG, ROOF OR OVERHANG OF A STRUCTURE WITHIN 250 FEET OF THE BUILDING, OR ON A COVERED PARKING STRUCTURE INSTALLED WITH THE BUILDING THAT HAS ANNUAL SOLAR ACCESS OF 70 PERCENT OR GREATER.

3) IF THE POTENTIAL SOLAR ZONE IS SMALLER THAN 15 PERCENT OF THE ROOF AREA OF THE BUILDING EXCLUDING ANY SKYLIGHTS, THEN THE SOLAR ZONE CAN BE REDUCED TO HALF THE AREA OF THE POTENTIAL SOLAR ZONE. IF THE ROOF IS SHADED SUCH THAT THERE IS NO POTENTIAL SOLAR ZONE AREA, THEN NO SOLAR ZONE IS REQUIRED.

D) SOLAR ZONE ORIENTATION:

1) IF THE SOLAR ZONE IS LOCATED ON A STEEP-SLOPED ROOF WITH A RATIO OF RISE TO RUN OF GREATER THAN 2:12, THEN THE ROOF MUST BE ORIENTED BETWEEN 110 DEGREES AND 270 DEGREES OF TRUE NORTH.

2) IF A SOLAR ZONE IS LOCATED ON A LOW-SLOPED ROOF WITH A RATIO OF RISE TO RUN LESS THAN 2:12, THE ORIENTATION REQUIREMENTS DO NOT APPLY.

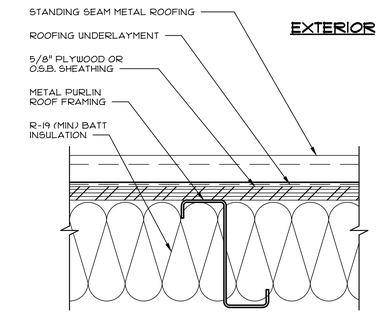
3) OBSTRUCTIONS SUCH AS VENTS, CHIMNEYS, ARCHITECTURAL FEATURES, OR ROOF MOUNTED EQUIPMENT CANNOT BE LOCATED IN THE SOLAR ZONE. THIS REQUIREMENT IS IN PLACE SO THE SOLAR ZONE REMAINS CLEAR AND OPEN FOR THE FUTURE INSTALLATION OF A SOLAR ENERGY SYSTEM.

E) ALTERNATIVE SOLAR ZONE LOCATION:

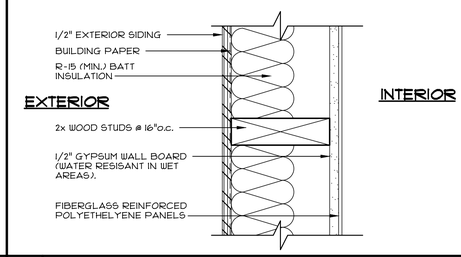
1) THE SOLAR ZONE CAN BE LOCATED AT ANY OF THE FOLLOWING LOCATIONS; ROOF OF ANOTHER STRUCTURE LOCATED WITHIN 250 FEET OF THE PRIMARY BUILDING. OVERHANG OF ANOTHER STRUCTURE WITHIN 250 FEET OF THE PRIMARY BUILDING, OR COVERED PARKING INSTALLED WITH THE BUILDING PROJECT.

F) SOLAR PANELS ARE NOT TO EXCEED 4.0 PSF AND ARE NOT TO OCCUR ON BUILDING OVERHANGS.
SOLAR PANELS MUST BE INACCESSIBLE PER CBC 1607A.13.5.

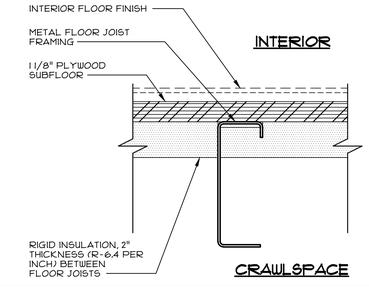
6 SOLAR READY REQUIREMENTS



1 TYP. ENVELOPE - ROOF
SCALE: 3"=1'-0"



2 TYP. ENVELOPE - WALL
SCALE: 3"=1'-0"



3 TYP. ENVELOPE - PLY. FLOOR
SCALE: 3"=1'-0"

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required.

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DATE: 2/13/2024

CYS
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(916) 924-1000 Voice (916) 924-1005 Fax
www.cysweng.com

01/16/2024
12/14/2023

REGISTERED PROFESSIONAL ENGINEER
THOMAS ERNEST ROST
No. S2030
STRUCTURAL
STATE OF CALIFORNIA

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DATE: 12/21/2023

PITTSBURG ADULT EDUCATION CENTER

PITTSBURG UNIFIED SCHOOL DISTRICT

GREEN BUILDING STANDARDS

REV / DATE:	BY:

JOB No.:	
DRAWN BY:	
DATE:	

AGB

12"x40" P.C.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

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 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 path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.		
Project Name: Standard 12x40 PC Restroom Module (unconditioned space)	**Report Page:**	**(Page 1 of 7)**
Project Address:	**Date Prepared:**	2023-05-31T16:02:40-04:00

A. GENERAL INFORMATION

01	Project Location (city)	Blue Canyon	04 Total Conditioned Floor Area (ft^2)	0
02	Climate Zone	16	05 Total Unconditioned Floor Area (ft^2)	480
03	Occupancy Types Within Project (select all that apply):		06 # of Stories (Habitable Above Grade)	1

★ Relocatable Public School

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.6 / 170.2(e) or 141.0(b)2 / 180.2(b)4 for alterations.

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft^2)	Calculation Method	Area (ft^2)
☒ New Lighting System	N/A	0	Complete Building Method	480
☐ New Lighting System - Parking Garage	N/A	0	N/A	0
Total Area of Work (ft^2)		480		

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Standard 12x40 PC Restroom Module (unconditioned space)	**Report Page:**	**(Page 2 of 7)**
	Date Prepared:	2023-05-31T16:02:40-04:00

C. COMPLIANCE RESULTS

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per 140.6(b)1 / 170.2(e)	Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts)						Adjusted Lighting Power per 140.6(a) / 170.2(e) (Watts)				Compliance Results
	01	02	03	04		05	06	07		08	09
	Complete Building 140.6(c)1	Area Category 140.6(c)2 / 170.2(e)4	Area Category Additional 140.6(c)2G / 170.2(e)4Av (+)	Tailored 140.6(c)3 / 170.2(e)4B (+)	=	**Total Allowed** (Watts)	≥ Total Designed (Watts)	Adjustments PAF Lighting Control Credits 140.6(a)2 / 170.2(e)1B (-)	=	**Total Adjusted** (Watts) *Includes Adjustments	**05 must be >= 08 140.6 / 170.2(e)**
	(See Table I)	(See Table I)	(See Table J)	(See Table K)			(See Table F)	(See Table P)			
Conditined					=		≥		=		
Unconditined	192				=	192	≥ 191		=	191	COMPLIES
Controls Compliance (See Table H for Details)											COMPLIES
Rated Power Reduction Compliance (See Table Q for Details)											

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Standard 12x40 PC Restroom Module (unconditioned space)	**Report Page:**	**(Page 3 of 7)**
	Date Prepared:	2023-05-31T16:02:40-04:00

F. INDOOR LIGHTING FIXTURE SCHEDULE

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 documented 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 not included here.

Designed Wattage: Unconditioned Spaces

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change[1]	Watts per luminaire[2]	How is Wattage determined	Total Number of Luminaires	Excluded per 140.6(a)3 / 170.2(e)2C	Design Watts	Field Inspector	
									Pass	Fail
A	2x4 LED 2GTL recessed troffer light	No	NA	38.9	Mfr. Spec	4	No	155.6	☐	☐
B	2x2 LED 2GTL recessed troffer light	No	NA	35.4	Mfr. Spec	1	No	35.4	☐	☐
Total Designed Watts: UNCONDITIONED SPACES								191		

[1]*FOOTNOTE: 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 automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.*

[2]*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 luminaire, not the lamp.*

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls

01	02	03	
		Field Inspector	
		Pass	Fail
Mandatory Demand Response 110.12(c)	Shut-off controls 130.1(c) / 160.5(b)4C		
NA < 4,000W subject to multilevel	See Area/Space Level Controls	☐	☐

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Standard 12x40 PC Restroom Module (unconditioned space)	**Report Page:**	**(Page 4 of 7)**
	Date Prepared:	2023-05-31T16:02:40-04:00

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

Area Level Controls

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(a) / 160.5(b)4A	Multi-Level Controls 130.1(b) / 160.5(b)4B	Shut-Off Controls 130.1(c) // 160.5(b)4C	Primary/Skylit Daylighting[*] 130.1(d) / 160.5(b)4D	Secondary Daylighting 130.1(d) / 160.5(b)4D	Interlocked Systems 140.6(a)1/ 170.2(e)2A	Field Inspector	
								Pass	Fail
Restrooms	All Other Occupancies	Readily Accessible	NA: Restrooms	Occupancy Sensor	NA: Rm < 24sf Glazing	NA: Rm < 24sf Glazing	No	☐	☐
13									
Plan Sheet Showing Daylit Zones:									

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

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 140.6(c) or adjustments per 140.6(a) are being used .

Unconditioned Spaces

01	02	03	04	05	06	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft^2)	Area (ft^2)	Allowed Wattage (Watts)	Additional Allowance / Adjustment	
					Area Category	PAF
Restrooms	All Other Occupancies	0.4	480	192	No	No
		TOTALS:	480	192	See Tables J, or P for detail	

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Standard 12x40 PC Restroom Module (unconditioned space)	**Report Page:**	**(Page 5 of 7)**
	Date Prepared:	2023-05-31T16:02:40-04:00

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS

This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This section does not apply to this project.

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

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Standard 12x40 PC Restroom Module (unconditioned space)	**Report Page:**	**(Page 6 of 7)**
	Date Prepared:	2023-05-31T16:02:40-04:00

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

T. DWELLING UNIT LIGHTING

This section does not apply to this project.

U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title
NRCI-LTI-E - Must be submitted for all buildings

V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	Restrooms

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Standard 12x40 PC Restroom Module (unconditioned space)	**Report Page:**	**(Page 7 of 7)**
Project Address:	**Date Prepared:**	2023-05-31T16:02:40-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT	
I certify that this Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name: Luis Esquivel	Documentation Author Signature:
Company: Enviroplex Inc.	Signature Date: 5/31/2023
Address: 4777 E. Carpenter Road	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Stockton, CA 95215	Phone: (209) 466-8000

RESPONSIBLE PERSON'S DECLARATION STATEMENT

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.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
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 Code of Regulations.
4. 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.
5. 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 inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Luis Esquivel	Responsible Designer Signature:
Company: Enviroplex, Inc.	Date Signed: 5/31/2023
Address: 4777 E. Carpenter Road	License: 640557
City/State/Zip: Stockton, CA 95215	Phone: (209) 466-8000

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-121299 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 2/13/2024

CYS STRUCTURAL ENGINEERS INC.
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01/16/2024
12/14/2023

REGISTERED PROFESSIONAL ENGINEER
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STRUCTURAL
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PITTSBURG ADULT EDUCATION CENTER
.
PITTSBURG UNIFIED SCHOOL DISTRICT

ENERGY COMPLIANCE

REV / DATE:	BY:

JOB No.:	
DRAWN BY:	
DATE:	

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required.

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EN1

12'x40' P.C.

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTO-E**
Project Name:	Standard 12x40 PC (UNCONDITIONED)	**Report Page:**	**(Page 1 of 7)**
Project Address:	CZ 16	**Date Prepared:**	5/31/2023

This document is used to demonstrate compliance with requirements in 110.9, 130.0, 130.2, 140.7, and 141.0(b)2I, for outdoor lighting scopes using the prescriptive path for 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 the prescriptive path for multifamily and mixed-use occupancies. Multifamily includes dormitory and senior living facilities.

A. GENERAL INFORMATION

01	Project Location (city)	(reference city - Blue Canyon)	04 Total Illuminated Hardscape Area (ft^2)	0
02	Climate Zone	16		
03	Outdoor Lighting Zone per Title 24 Part 1 10.114 or as designated by Authority Having Jurisdiction (AHJ):			
☐	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		
05	Occupancy Types within Project			
♦ Support Areas				

B. PROJECT SCOPE

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 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv for alterations.

My Project Consists of:

01	02		
☒ New Lighting System	Must Comply with Allowances from 140.7 / 170.2(e)6		
☐ Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)?	◯ Yes	◯ No
03	04	05	
% of Existing Luminaires Being Altered[1]	Sum Total of Luminaires Being Added or Altered	Calculation Method	
☐ < 10% ☐ >= 10% and < 50% ☐ >= 50%			

Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.

[1] 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.

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTO-E**
Project Name:	Standard 12x40 PC (UNCONDITIONED)	**Report Page:**	**(Page 2 of 7)**
Project Address:	CZ 16	**Date Prepared:**	5/31/2023

C. COMPLIANCE RESULTS

Results 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" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv																
01		02		03		04		05		06		07		08	09	
General Hardscape Allowance 140.7(d)1 / 170.2(e)6 (See Table I)	+	Per Application 140.7(d)2 / 170.2(e)6 (See Table J)	+	Sales Frontage 140.7(d)2 (See Table K)	+	Ornamental 140.7(d)2 / 170.2(e)6 (See Table L)	+	Per Specific Area 140.7(d)2 / 170.2(e)6 (See Table M)	OR	Existing Power Allowance 141.0(b)2L / 180.2(b)4Bv (See Table N)	=	**Total Allowed** (Watts)	≥	**Total Actual** (Watts)	**07 must be >= 08**	
0	+	----	+	----	+	----	+	26	OR	----	=	26	≥	26	COMPLIES	
Shielding Compliance (See Table G for Details)															N/A	
Controls Compliance (See Table H for Details)															COMPLIES	

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with unedittable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTO-E**
Project Name:	Standard 12x40 PC (UNCONDITIONED)	**Report Page:**	**(Page 3 of 7)**
Project Address:	CZ 16	**Date Prepared:**	5/31/2023

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within 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 installed 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). 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 lighting is included here.

Designed Wattage:

01	02		03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description		Watts per luminaire[1, 2]	How is Wattage determined	Total Number Luminaires[3]	Luminaire Status[3]	Excluded per 140.7(a) / 170.2(e)6A	Design Watts	Cutoff Req. > 6,200 initial lumen output 130.2(b) / 160.5(c)1[4]	Field Inspector	
										Pass	Fail
B	(1) 13w Compact Fluorescent Twin 2 Pin	☐ Linear	13	Mfr. Spec	2	New	☐	26	NA: < 6200 lumens	☐	☐
Total Design Watts:								26			

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue; EXCEPTION 2 to 130.2(b)

[1] FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b)
[2] For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.
[3] 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" 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 the project scope.
[4] Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by 130.2(b)/ 160.5(c)

G. SHIELDING REQUIREMENTS (BUG)

This section does not apply to this project.

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTO-E**
Project Name:	Standard 12x40 PC (UNCONDITIONED)	**Report Page:**	**(Page 4 of 7)**
Project Address:	CZ 16	**Date Prepared:**	5/31/2023

H. OUTDOOR LIGHTING CONTROLS

This 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 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 the permit application.
Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit

Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings

01	02	03	04	05	
Area Description	Shut-Off 130.2(c)1 / 160.5(c)	Auto-Schedule 130.2(c)2 / 160.5(c)	Motion Sensor 130.2(c)3 / 160.5(c)	Field Inspector	
				Pass	Fail
Exterior wall mount light	Photocontrol	Provided	NA: Not permitted by H&LS	☐	☐

[1] FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed.
[2] Authority having jurisdiction may ask for cutsheets or other documentation to confirm compliance of light source.
[3] Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are excepted from ii and iii.

I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e))

This table includes areas using allowance calculations per 140.7 / 170.2(e). General Hardscape Allowance is per Table 140.7-A/Table 170.2-R while "Use it or lose it" Allowances are per Table 140.7-B /Table 170.2-S. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.
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 lighting is included here.

	01			
	"Use it or lose it" Allowance (select all that apply) (select all that apply)			
☐ General Hardscape Allowance Table I (below)	☐ Per Application Table J	☐ Sales Frontage Table K	☐ Ornamental Table L	☒ Per Specific Area Table M

J. LIGHTING ALLOWANCE: PER APPLICATION

This section does not apply to this project.

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTO-E**
Project Name:	Standard 12x40 PC (UNCONDITIONED)	**Report Page:**	**(Page 5 of 7)**
Project Address:	CZ 16	**Date Prepared:**	5/31/2023

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This table includes areas using the wattage allowance per specific area from Table 140.7-B /Table 170.2-S. More than one specific area allowance may be taken in a single project, if applicable. However, multiple specific area allowances may not be taken for the exact same area on the site.

01	02	03	04	05	06	07	08	09	10
Area Description	Specific Area Type per Table 140.7-B	CALCULATED ALLOWANCE (Watts)			DESIGN WATTS				
		Specific Area (ft^2)[1]	Allowed Density (W/ft^2)	Extra Allowance (Watts)	Luminaire Name or Item Tag	Watts per Luminaire	# of Luminaires	Design Watts	Additional Allowance (Watts)
Outdoor Lighting	BuildingFacade	480	0.2	81.6	B	13	2	26	26
Total Design Watts for this Area:								26	
Total Allowance (Watts) All Areas:									26

[1] FOOTNOTES: See Table 140.7-B /Table 170.2-S for rules for calculating the specific areas (ft^2) for these additional lighting allowances.
[2] 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.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This section does not apply to this project.

STATE OF CALIFORNIA
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CERTIFICATE OF COMPLIANCE			**NRCC-LTO-E**
Project Name:	Standard 12x40 PC (UNCONDITIONED)	**Report Page:**	**(Page 6 of 7)**
Project Address:	CZ 16	**Date Prepared:**	5/31/2023

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Form/Title
NRCI-LTO-E - Must be submitted for all buildings

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.	Exterior wall mount light;

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTO-E**
Project Name:	Standard 12x40 PC (UNCONDITIONED)	**Report Page:**	**(Page 7 of 7)**
Project Address:	CZ 16	**Date Prepared:**	5/31/2023

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: Luis Esquivel	Documentation Author Signature:
Company: Enviroplex, Inc.	Signature Date: 5/31/2023
Address: 4777 E. Carpenter Road	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Stockton, CA 95215	Phone: (209) 466-8000

RESPONSIBLE PERSON'S DECLARATION STATEMENT

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.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
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 Code of Regulations.
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Responsible Designer Name: Luis Esquivel	Responsible Designer Signature:
Company: Enviroplex, Inc.	Date Signed: 2023-05-31
Address: 4777 E. Carpenter Road	License: 640557
City/State/Zip: Stockton CA 95215	Phone: (209) 466-8000

IDENTIFICATION STAMP
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01/16/2024
12/14/2023

REGISTERED PROFESSIONAL ENGINEER
ARTHUR ERNEST REST
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STATE OF CALIFORNIA

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DATE: 12/21/2023

PITTSBURG ADULT EDUCATION CENTER
PITTSBURG UNIFIED SCHOOL DISTRICT

ENERGY COMPLIANCE

REV / DATE:	BY:

JOB No.:
DRAWN BY:
DATE:

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required.

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EN2

12'x40' P.C.

STATE OF CALIFORNIA

Domestic Water Heating System

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-PLB-E

This document is used to demonstrate compliance for nonresidential occupancies with requirements in 110.1, 110.3, 120.3, and 140.5, and with requirements in 141.0 for additions and alterations, for domestic water heating scopes using the prescriptive path. For high-rise residential and hotel/motel occupancies compliance is demonstrated with requirements in 110.1, 110.3, 160.4 and 170.2(d), and with requirements 180.1 for additions and 180.2 for alterations.

Project Name:	Standard 12x40 PC (UNCONDITIONED)	**Report Page:**	**(Page 1 of 7)**
Project Address:	CZ 16	**Date Prepared:**	12/11/2023

A. GENERAL INFORMATION

01	Project Location (city)	(reference city - Blue Canyon)	02	Climate Zone	16
03	Occupancy Types Within Project (select all that apply):				

- Support Areas

B. PROJECT SCOPE

This table includes domestic water heating systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive paths outlined in 140./ 170.2(d) and 141.0(a)/ 180.1, or 141.0(b)2N / 180.2 for additions or alterations. Solar water heating systems are documented on the NRCC-SAB compliance document. Combined hydronic water heating systems are documented on the NRCC-MCH compliance document.

01	02	03		
My project consists of (check all that apply):	System Type[1,2]	System Components		
☒ New system (DHW system being installed for the first time)	Individual System (serving nonresidential spaces)	☒ Equipment	☒ Distribution	☒ Controls
☐ System Alteration (equipment, distribution or controls)		☐ Equipment	☐ Distribution	☐ Controls

[1]FOOTNOTES: Point of use water heaters, or other non-central systems used to serve nonresidential spaces, are considered individual systems.
[2] Dwelling units refers to hotel/motel guest rooms and units in a multifamily residential occupancy.
[3] DHW systems serving 2 or more dwelling units are considered "Central Systems" for multifamily occupancies

C. COMPLIANCE RESULTS

Table C will indicate if the project data input into the compliance document is compliant with water heating requirements. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. or the table indicated as not compliant for guidance.

01	02	03	04
Domestic Hot Water Equipment	Distribution Systems	Controls	**Compliance Results**
Table F	Table G	Table H	
Yes	Yes	Yes	COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

STATE OF CALIFORNIA

Domestic Water Heating System

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-PLB-E

Project Name:	Standard 12x40 PC (UNCONDITIONED)	**Report Page:**	**(Page 2 of 7)**
		Date Prepared:	12/11/2023

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA

Domestic Water Heating System

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-PLB-E

Project Name:	Standard 12x40 PC (UNCONDITIONED)	**Report Page:**	**(Page 3 of 7)**
		Date Prepared:	12/11/2023

F. DOMESTIC HOT WATER EQUIPMENT

This table is used to demonstrate compliance with mandatory equipment requirements in 110.1 and 110.3. Compliance with prescriptive requirements in 140.5(c) / 170.2(d) must also be demonstrated and with 141.0 / 180.1/ 180.2 for addition and alteration scopes.

Equipment Schedule: Water Heating Efficiency and Standby Loss

03		04			05		06		
System Name	Chronomite Instantaneous Electric	Exception to 140.5(c)/ 170.2(d)3			☐	Gas Service Water Heating System >= 1MMBtu/h[1]	Capacity-weighted Average Efficiency %		
07	08	09	10		11	12	13	14	15
Name or Item Tag	Equipment Type	Volume (gal)	Rated Input Capacity (Btu/h)	Max GPM/ First Hour Rating (FHR)	Rated Efficiency	Minimum Efficiency Required	Efficiency Unit	Designed Standby Loss	Maximum Standby Loss
Chronomite Instantaneous Electric	Consumer Rated Electric Instantaneous (<=12kW)	0.1	21,000	FHR >=75	0.92	0.91	UEF		

[1]FOOTNOTE: In systems >= 1MMBtu/h with multiple units, gas water heaters with input capacity > 100,000 Btu/h may meet 90% Et requirements via an input capacity-weighted average.

Water Heating Equipment All Occupancies

	Yes	No	Not Applicable	Requirement
18	☐	☐	☒	Unfired storage tank insulation shall have Internal + External >=R-16 OR External >=R-3.5. Label required per 110.3(c)3
19	☐	☐	☒	New state buildings 60% of energy for service water heating from site solar energy or recovered energy per 110.3(c)5
20	☐	☐	☒	Isolation valves for instantaneous water heater with input rating >6.8 kBTUH or 2 kW has been specified per 110.3(c)6
21	☐	☐	☒	School buildings < 25,000 ft² and < 4 stories must install a heat pump water heating system per 140.5(a)1. Water heating systems serving an individual bathroom space may be an instantaneous electric water heater.

STATE OF CALIFORNIA

Domestic Water Heating System

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-PLB-E

Project Name:	Standard 12x40 PC (UNCONDITIONED)	**Report Page:**	**(Page 4 of 7)**
		Date Prepared:	12/11/2023

G. DOMESTIC HOT WATER DISTRIBUTION SYSTEM

This table is used to demonstrate compliance for nonresidential occupancies with distribution requirements in 120.3 and 140.5. For multifamily and hotel/motel occupancies, compliance is demonstrated with requirements 110.3(c), 160.4, 170.2(d).

Mandatory Pipe Insulation All Occupancies

13	☐	For systems serving dwelling units, pipe insulation must meet the minimum insulation requirements in Table 160.4-A (see blow) except: • Piping that penetrates framing members shall not be required to have pipe insulation for the distance of the framing penetration. Piping that penetrates metal framing shall use grommets, plugs, wrapping or other insulating material to assure that no contact is made with the metal framing. Insulation shall abut securely against all framing members • Piping installed in interior or exterior walls shall not be required to have pipe insulation if all of the requirements are met for compliance with Quality Insulation Installation (QII) as specified in the Reference Residential Appendix RA3.5. • Piping surrounded with a minimum of 1 inch of wall insulation, 2 inches of crawlspace insulation, or 4 inches of attic insulation, shall not be required to have pipe insulation.
14	☒	For systems serving nonresidential spaces, pipe insulation for the following applications is specified to comply with Table 120.3-A (see below) per 120.3: • Recirculating system piping, including supply and return piping of the water heater • The first 8 ft of hot and cold outlet piping, including between storage tank and heat trap, for a nonrecirculating storage system • Pipes that are externally heated
15	☐	Insulation shall be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather shall be installed with a cover suitable for outdoor service per 120.3(b) / 160.4(f). Pipe insulation buried below grade must be installed in a water proof and non-crushable casing or sleeve.

TABLE 120.3-A / 160.4-A PIPE INSULATION THICKNESS

Fluid Temperature Range (°F)	Conductivity Range (Btu-in per hour per ft² per °F)	Insulation Mean Rating Temp (°F)	Nominal Pipe Diameter (in)			
			< 1	1 to < 1.5	1.5 to < 4	1.5 to < 4 Multifamily & Hotel/Motel
			Minimum Insulation Required			
105-140	0.22 - 0.28	100	1.0 in or R-7.7	1.5 in or R-12.5	1.5 in or R-11	2.0 in or R-16

STATE OF CALIFORNIA

Domestic Water Heating System

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-PLB-E

Project Name:	Standard 12x40 PC (UNCONDITIONED)	**Report Page:**	**(Page 5 of 7)**
		Date Prepared:	12/11/2023

H. DOMESTIC HOT WATER CONTROLS

This table is used to demonstrate compliance with control requirements in 110.3 for all occupancies. For multifamily residential and hotel/motel occupancies, compliance is also demonstrated with requirements in 160.4(e) / 170.2(d).

	Yes	No	Not Applicable	Requirement
01	☒	☐	☐	Construction documents require manufacturer certification that service water-heating systems are equipped with automatic temperature controls capable of adjusting temperature settings per 110.3(a).
02	☐	☐	☒	Systems with capacity > 167,000 BTUH equipped with outlet temperature controls per 110.3(c)1 unless covered by California Plumbing Code 613.0.
03	☐	☐	☒	Controls for circulating pumps or electrical heat trace systems are capable of automatically turning off the system per §110.3(c)2 unless systems serves healthcare facility.
04	☐	☐	☒	For recirculation systems serving multiple dwelling units, design includes automatic pump controls per 170.2(d) or 180.1(b)3 for additions.
05	☐	☐	☒	For recirculation systems serving individual dwelling units, design includes manual on/off controls as specified in Reference Appendix RA4.4.9 per 170.2(d).
06	☐	☐	☒	Combustion air positive shut-off shall be provided per 160.4(3).on all newly installed commercial boilers as follows: • Boilers with input capacity >= 2.5 MMBtu/h, in which the boiler is designed to operate with a nonpositive vent static pressure • Boilers where one stack serves two or more boilers with a total combined input capacity per stack of 2.5 MMBtu/h.
07	☐	☐	☒	Boiler combustion air fans with motor >= 10 hp shall meet one of the following • The fan motor shall be driven by a variable speed drive OR • The fan motor shall include controls that limit the fan motor demand to <=30% of the total design wattage at 50% of the design air volume.
08	☐	☐	☒	Newly installed boilers with an input capacity {d:gte/] 5MMBtu/h and a steady state full-load combustion efficiency < 90% shall maintain excess (stack-gas) oxygen concentrations <= 5% by volume on a dry basis over firing rates of 20-100%. Combustion air volume shall be controlled with respect to firing rate or flue gas oxygen concentration. Use of a common gas and combustion air control linkage or jack shaft is prohibited.

STATE OF CALIFORNIA

Domestic Water Heating System

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-PLB-E

Project Name:	Standard 12x40 PC (UNCONDITIONED)	**Report Page:**	**(Page 6 of 7)**
		Date Prepared:	12/11/2023

I. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-PLB-E - Must be submitted for all buildings

J. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

K. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

There are no forms required for this project.

STATE OF CALIFORNIA

Domestic Water Heating System

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-PLB-E

Project Name:	Standard 12x40 PC (UNCONDITIONED)	**Report Page:**	**(Page 7 of 7)**
Project Address:	CZ 16	**Date Prepared:**	12/11/2023

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: Luis Esquivel	Documentation Author Signature:
Company: Enviroplex, Inc.	Signature Date: 12/11/2023
Address: 4777 E. Carpenter Road	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Stockton, CA 95215	Phone: 209-466-8000

RESPONSIBLE PERSON'S DECLARATION STATEMENT

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.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
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 Code of Regulations.
4. 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.
5. 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 inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Luis Esquivel	Responsible Designer Signature:
Company: Enviroplex, Inc.	Date Signed: 2023-12-11
Address: 4777 E. Carpenter Road	License: 640557
City/State/Zip: Stockton CA 95215	Phone: (209) 466-8000

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-121299 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 2/13/2024

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01/16/2024
12/14/2023

REGISTERED PROFESSIONAL ENGINEER
ARTHUR ERNEST ROSS
No. S2030
STRUCTURAL
STATE OF CALIFORNIA

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

ENVIROPLEX, INC.
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(209) 466-8000

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DATE: 12/21/2023

PITTSBURG ADULT EDUCATION CENTER
PITTSBURG UNIFIED SCHOOL DISTRICT

ENERGY COMPLIANCE

REV / DATE:	BY:

JOB No.:	
DRAWN BY:	
DATE:	

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required.

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EN3

12'x40' P.C.

STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-SAB-E
This document is used to demonstrate compliance with prescriptive PV and battery requirements in 140.10/ 170.2 for nonresidential, multifamily and mixed-use buildings and prescriptive solar thermal requirements in 170.2(d)3C for multifamily and hotel/ motel occupancies. When PV/battery/solar thermal requirements don't apply or are traded using the performance approach, this document demonstrates compliance with mandatory solar readiness requirements in 110.10/ 160.8 for newly constructed buildings which are either multifamily ten stories or fewer, hotel/motel ten stories or fewer or all other nonresidential buildings three stories or fewer. It is also used to demonstrate compliance with solar readiness in 110.10/ 160.8 for additions to nonresidential, multifamily or hotel/motel building types which add more than 2,000 ft² of roof area. Alterations, or additions of less than 2,000 ft² of roof area, are not required to comply with solar readiness, solar PV and battery requirements and do not need to complete this document.			
Project Name:	Standard 12x40 PC (UNCONDITIONED)	**Report Page:**	(Page 1 of 6)
Project Address:	CZ 16	**Date Prepared:**	5/31/2023

A. GENERAL INFORMATION

01	Project Location (city)	(reference city - Blue Canyon)	04	Building Occupancies	Support Areas
02	Climate Zone	16	05	Construction Type	New construction w/ roof <=533 ft²
03	Conditioned Floor Area (ft²)	0	06	Number of Stories	Bldg <= 3 stories

B. PROJECT SCOPE

The compliance path the project is using to comply per 110.10(b)1B/ 140.10/ 170.2(g and h) is indicated below.

Compliance with Solar Readiness Requirements in 110.10(b)1B

01		
☒	Provide Solar Ready Area no exceptions	The project has allocated a solar zone on the roof plan per requirements in §110.10(b), as documented in Table F.
☐	Exception to Solar Ready Area: Installed Solar Photovoltaic System	The project includes a permanently installed solar electric system having a nameplate DC power rating, measured under Standard Test Conditions, of no less than one watt per square foot of roof area as documented in Table G.
☐	Exception to Solar Ready Area: Installed Solar Water Heating System	The project is a hotel/motel or high-rise multifamily occupancy and includes a permanently installed domestic solar water-heating system complying with 170.2(d)3C and Reference Residential Appendix RA4, as documented in Table H.
☐	Exception to Solar Ready Area: Smart Thermostat and Alternative Energy Efficiency Measure	The project is a multifamily occupancy where all thermostats in each dwelling unit comply with §110.12(a) AND at least one additional measure listed in Exception 4 to §110.10(b)1B is installed, as documented in Table I.
☐	Exception to Solar Ready Area: Roof is designed for vehicular traffic, parking or for heliport	Plan sheet showing roof designed for vehicular traffic, parking or heliport
☐	Exception to Solar Ready Area: Roof too small	The project is new construction and has a total roof area <= 533 square feet[1]
☐	Exception to Solar Ready Area: Number of building stories	The project is nonresidential > 3 stories or multifamily/ hotel/motel > 10 stories.

[1]FOOTNOTE: Buildings with roof area <=533 ft² would have a required solar zone < 80 ft² and are therefore exempt per 110.10(b)1.

Compliance with Solar Photovoltaic (PV) and Battery Requirements in 140.10/ 170.2(g and h)

01		
☐	Provided PV system and battery storage sized per 140.10/ 170.2 (g and h)	The project has included an installed PV system and battery storage system per requirements in 140.10/ 170.2(g and h) as documented in Table J.
☐	Exception to PV and Battery: Not enough Solar Access Roof Area	The total of all available Solar Access Roof Area(s) of the project site is less than three percent of the conditioned floor area as documented in Table J.
☐	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 square feet as documented in Table J.
☐	Exception to PV and Battery: Can't meet snow load	The project has a roof design where the enforcement authority has verified it is not possible for the PV system, including panels, modules, components, supports, and attachments to the roof structure, to meet ASCE 7-16 Chapter 7, Snow Loads.
☐	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 does not provide either a Virtual Net Metering (VNEM) or community solar program.
☐	The prescriptive PV/battery requirement has been traded off using the performance compliance approach as documented on the PRF Certificate of Compliance form.	The project is a multi-tenant building in an area where a load serving entity does not provide either a Virtual Net Metering (VNEM) or community solar program.

Compliance with Solar Thermal Water Heating Requirements in 170.2(d)3C (Multifamiily and hotel/ motel occupancies only)

01	
☐	The project includes a hotel/motel or multifamily occupancy with a gas or propane central water-heating system (serves 2+ dwelling units) and includes a permanently installed domestic solar water-heating system to comply with 170.2(d)3C and Reference Residential Appendix RA4, as documented in Table H. Compliance meets Exception 2 to solar ready requirements in 110.10(b).

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through I. Note: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance or see the applicable Table referenced below.

Allocated Solar Zone				Installed PV System				Installed SWH System				Smart Tstat and Alternative EE Measure		Compliance Results
01		02	OR	03		04	OR	05		06	OR	07	08	
Required Minimum Area (ft²)	<=	Designated Area (ft²)		Required Minimum DC Power Rating (Watts)	<=	Designed DC Power Rating (Watts)		Required Minimum Solar Savings Fraction	<=	Designed/Rated Solar Savings Fraction		JA5 Compliant Thermostat Specified?	Alternative Energy Efficiency Measure	COMPLIES
(See Table F)				(See Tables G or J)				(See Table H)				(See Table I)		
71.2	<=	105	OR		<=		OR		<=		OR			
A1E.1, A1E.2, A1E.3, A1S.1, A1S.2, A1S.3			Location in construction documents showing the location for inverters and metering equipment and a pathway for the routing of conduit/ plumbing to the electrical service/ water heating system per §110.10(c).											COMPLIES
Battery storage system design meets the minimum requirements in Joint Appendix JA12 and the minimum energy (kWh)/ power (kW) capacity per Table J.														Not Applicable

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table is includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. ALLOCATED SOLAR ZONE

This table is completed if the project is designating a solar zone to comply with §110.10(b)1B. New construction consider the total roof area; Additions consider newly added roof area. This table demonstrates that the project has designated the minimum area required for the Allocated Solar Zone, and also that the requirements for Solar Zone Subareas have been met. Each subarea must be shown on a roof plan or documented in construction documents. The solar zones must also comply with fire code requirements, including, but not limited to, setback and pathway requirements. Requirements for interconnection pathways must also be included in construction documents, and the location is specified in this table.

Required Minimum Solar Zone

01	02	03	04	05	06			07	08
					Potential Solar Zone Areas: Roof areas with >= 70% Solar Access				
Minimum Solar Zone Area Calculation Method	Total New or Added Roof Area (ft²)	Total New or Added Roof Area Covered with Skylights (ft²)	Minimum Solar Zone Based on Total or Added Roof Area (0.15 x (Roof-Skylt)) (ft²)	Method/ Tools Used to Determine Annual Solar Access for Potential Zones[1]	Low-Sloped Area (<= 2:12 pitch) (ft²)	Steep-Sloped Area (> 2:12 pitch) Oriented 90 ° - 300 ° (ft²)	Total Potential Solar Zone Area (ft²)	Minimum Solar Zone Based on Potential Zone (0.5 x (Total Potential Zone)) (ft²)	Required Minimum Solar Zone Area (ft²)
Total New or Added Roof Area	480	5	71						71

Designated Solar Zone Subareas

09	10	11	12	13	14	15	16	17	18	19
Subarea Name or Tag	Building Plan Reference	Roof or Overhang Slope (Low <= 2:12 pitch) (Steep > 2:12 pitch)	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)3A	Subarea is Required Distance from Potential Obstructions per §110.10(b)3B	Is the Smallest Dimension 5 feet or greater?	Min. Area Required per Subarea (ft²)	Designated Area (ft²)	Subarea Complies?
Main Roof	SRA	Low slope	No	Yes	Yes	Yes	Yes	80	105	COMPLIES

Interconnection Pathways

Location in construction documents showing the location for inverters and metering equipment and a pathway for the routing of conduit/ plumbing to the electrical service/ water heating system per §110.10(c).	A1E.1, A1E.2, A1E.3, A1S.1, A1S.2, A1S.3

[1]FOOTNOTE: This field is used to document how the percentage of annual solar access was determined per §110.10(b)1B. Solar access is the ratio of solar insolation including shade to the solar insolation without shade. Shading from obstructions located on the roof or any other part of the building shall not be included in the determination of annual solar access.

G. PERMANENTLY INSTALLED SOLAR PV FOR SOLAR READY EXCEPTION

This section does not apply to this project.

H. PERMANENTLY INSTALLED SOLAR HOT WATER SYSTEMS

This section does not apply to this project.

I. SMART THERMOSTATS AND ALTERNATIVE EFFICIENCY MEASURE FOR SOLAR READY EXCEPTION

This section does not apply to this project.

J. PHOTOVOLTAIC (PV) AND BATTERY SYSTEMS

This section does not apply to this project.

K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

There are no NRCI forms required for this project.

L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: Luis Esquivel	Documentation Author Signature:
Company: Enviroplex, Inc.	Signature Date: 5/31/2023
Address: 4777 E. Carpenter Road	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Stockton, CA 95215	Phone: (209) 466-8000

RESPONSIBLE PERSON'S DECLARATION STATEMENT

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.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
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 Code of Regulations.
4. 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.
5. 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 inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Luis Esquivel	Responsible Designer Signature:
Company: Enviroplex, Inc.	Date Signed: 2023-05-31
Address: 4777 E. Carpenter Road	License: 640557
City/State/Zip: Stockton CA 95215	Phone: (209) 466-8000

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-121299 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 2/13/2024

CYS STRUCTURAL ENGINEERS INC.
2495 Natomas Park Drive, Suite 650
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01/16/2024
12/14/2023

REGISTERED PROFESSIONAL ENGINEER
ARTHUR ERNEST ROSS
No. S2030
STRUCTURAL
STATE OF CALIFORNIA

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

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD
STOCKTON, CA. 95215
(209) 466-8000

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121411 PC
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SS 4 FLS 4 ACS 4 CG 4
DATE: 12/21/2023

PITTSBURG ADULT EDUCATION CENTER

PITTSBURG UNIFIED SCHOOL DISTRICT

ENERGY COMPLIANCE

REV / DATE:	BY:

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
A separate project application for construction is required.

JOB No.:
DRAWN BY:
DATE:

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EN4

12'x40' P.C.

STATE OF CALIFORNIA

Electrical Power Distribution

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-ELC-E
Project Name:	Standard 12x40 PC (UNCONDITIONED)	Report Page:	(Page 1 of 6)
Project Address:	CZ 16	Date Prepared:	5/31/2023

This document is used to demonstrate compliance with mandatory requirements in 130.5, for electrical systems in newly constructed nonresidential and hotel/motel occupancies and 160.6 and 160.9 for electrical systems in newly constructed multifamily occupancies. Additions and alterations to electrical service systems in nonresidential and hotel/motel occupancies will also use this document to demonstrate compliance per 141.0(a) or 141.0(b)2P for alterations. For multifamily addition or alterations compliance will be documented per 180.1(a) or 180.2 (b)4Bvii

A. GENERAL INFORMATION

01	Project Location (city)	(reference city - Blue Canyon)	02	Climate Zone	16
			03	Occupancy Types Within Project:	Support Areas

B. PROJECT SCOPE

This table includes electrical systems that are within the scope of the permit application.

01	02	03	04	05	06	07
Electrical Service Designation/ Description	Scope of Work[1]	Rating[2] (kVA)	Utility Provided Metering System Exception to 130.5(a)/ 160.6(a)[3]	System subject to CA Elec Code Article 517 Exception to 130.5(a)and (b)	Demand Response Controls	Provides power to dwelling units/common living areas only in multifamily occupancy
Panel A	New electrical service equipment and meter	6	☐	☐	Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based messaging protocol which enables demand response after receiving a demand response signal. Sections 120.2/ 160.3, 130.1/ 160.5, and 130.3/ 160.5, and mechanical, indoor lighting, and sign lighting Certificate of Compliance documents will indicate when demand response controls are required.	☐

[1]*FOOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop 130.5(c)/160.6(c), no other requirements from 130.5/160.6 are required.*
[2] *If common use areas in a multifamily are submetered, rating is for submeter size serving common use areas.*
[3] *Applicable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.*

CERTIFICATE OF COMPLIANCE			NRCC-ELC-E
Project Name:	Standard 12x40 PC (UNCONDITIONED)	Report Page:	(Page 2 of 6)
Project Address:	CZ 16	Date Prepared:	5/31/2023

C. COMPLIANCE RESULTS

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

01		02		03		04	05	06
Service Electrical Metering 130.5(a)/ 160.6(a) (See Table F)	AND	Separation for Monitoring 130.5(b)/ 160.6(b) (See Table G)	AND	Voltage Drop 130.5(c)/ 160.6(c) (See Table H)	AND	Controlled Receptacles 130.5(d)/ 160.6(d) (See Table I)	Electric Ready 160.9 (See Table J)	**Compliance Results**
Yes	AND	Yes	AND	Yes	AND	Yes	Yes	COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. SERVICE ELECTRICAL METERING

This table includes new or replacement electrical service systems OR equipment to demonstrate compliance with 130.5(a) / 160.6(a). For multifamily occupancies, submetered systems that provide power to common use areas must meet the following metering requirements. Submetered systems providing power to dwelling units do not.

01	02	03				04	05	
		Required Metering Capabilities per Table 130.5-A					Field Inspector	
Electrical Service Designation/ Description	Rating[1] (kVA)	Instantaneous Demand (kW)	Historical Peak Demand (kW)	Tracking kWh for user-defined period	kWh per rate period	Location of Requirements in Construction Documents	Pass	Fail
Panel A	6	☒	☐	☒	☐	A3	☐	☐

[1] *FOOTNOTES: If common use areas in a multifamily are submetered, rating is for submeter size serving common use areas.*

CERTIFICATE OF COMPLIANCE			NRCC-ELC-E
Project Name:	Standard 12x40 PC (UNCONDITIONED)	Report Page:	(Page 3 of 6)
Project Address:	CZ 16	Date Prepared:	5/31/2023

G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING

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 systems also do not need to be shown.

01	02	03	04	05	
				Field Inspector	
Load Type per Table 130.5-B[1]	Minimum Required Separation of Load per Table 130.5-B	Compliance Method[2]	Location of Requirements in Construction Documents	Pass	Fail
Panel A					
Lighting including exit, egress and exterior	not required	Method 1: Switchboards, motor control centers, or panelboard loads disaggregated for each load type	N/A	☐	☐
HVAC systems and components	not required	Method 1: Switchboards, motor control centers, or panelboard loads disaggregated for each load type	N/A	☐	☐
Plug Loads and appliances less than 25kVA	not required	Method 1: Switchboards, motor control centers, or panelboard loads disaggregated for each load type	N/A	☐	☐

CERTIFICATE OF COMPLIANCE			NRCC-ELC-E
Project Name:	Standard 12x40 PC (UNCONDITIONED)	Report Page:	(Page 4 of 6)
Project Address:	CZ 16	Date Prepared:	5/31/2023

G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING

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 systems also do not need to be shown.

01	02	03	04	05	
				Field Inspector	
Load Type per Table 130.5-B[1]	Minimum Required Separation of Load per Table 130.5-B	Compliance Method[2]	Location of Requirements in Construction Documents	Pass	Fail

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

[1] *FOOTNOTES: For each separate load type, up to 10% of the connected load may be of any type.*
[2] *Method 1: Switchboards/ motor control centers/ panelboard loads disaggregated for each load type.*
Method 2: Switchboards/ motor control centers/ panelboard supply other distribution equipment with loads disaggregated for each load type.
Method 3: Branch circuits serve load types individually and provisions for adding future branch circuit monitoring.
Method 4: Complete metering system measures and reports loads by type.
See Chapter 8 of the Nonresidential Compliance Manual for more detail on Compliance Methods.

H. VOLTAGE DROP

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 compliance per 141.0(b)2Piii/ 180.2(b)4Bviic.

01	02				03	04	05	
							Field Inspector	
Electrical Service Designation/Description	Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method				Location of Voltage Drop Calculations[1]	Sheet Number for Voltage Drop Calculations in Construction Documents	Pass	Fail
Panel A	☒	Voltage drop less than 5%	☐	Permitted by CA Elec Code (Exception to 130.5(c))*	In construction documents	N/A	☐	☐

** NOTES: If "Permitted by CA Elec Code *" is selected under Compliance Method above, please indicate where the exception applies in the space provided below.*

[1] *FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if allowed by the Authority Having Jurisdiction. Select "attached" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".*

I. CIRCUIT CONTROLS FOR 120-VOLT RECEPTACLES AND CONTROLLED RECEPTACLES

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

CERTIFICATE OF COMPLIANCE			NRCC-ELC-E
Project Name:	Standard 12x40 PC (UNCONDITIONED)	Report Page:	(Page 5 of 6)
Project Address:	CZ 16	Date Prepared:	5/31/2023

I. CIRCUIT CONTROLS FOR 120-VOLT RECEPTACLES AND CONTROLLED RECEPTACLES

01	02	03	04	05	06	07	
						Field Inspector	
Room name or Description	Location/ Type of Controlled Receptacles[1]	Shut-Off Controls	Demand Responsive Controls	Permanent Durable Marking Will be Used	Location of Requirements in Construction Documents	Pass	Fail
Panel A	50 % are controlled receptacle (hotel/motel room)	Other*	NA: Building does not require demand responsive lighting controls per 110.12(c)	☒	N/A	☐	☐

** NOTES: If "Other*" is selected under Shut-Off Controls above, please indicate how compliance has been achieved in the space provided below.*

Panel A	N/A - classroom occupancy

[1] *FOOTNOTES: Receptacles dedicated to refrigerators and water dispensers in kitchens, located a minimum of 6ft above the floor specifically for clocks, network copiers, fax machines, A/V and data equipment other than personal computers in copy rooms, circuits rated more than 20 Amps, or connected to a UPS that are intended to be in continuous use and are marked to differentiate them from other receptacles or circuits are excepted from the requirements. .*

J. ELECTRIC READY BUILDINGS

This section does not apply to this project.

K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Form/Title
NRCI-ELC-E - Must be submitted for all buildings

CERTIFICATE OF COMPLIANCE			NRCC-ELC-E
Project Name:	Standard 12x40 PC (UNCONDITIONED)	Report Page:	(Page 6 of 6)
Project Address:	CZ 16	Date Prepared:	5/31/2023

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: Luis Esquivel	Documentation Author Signature:
Company: Enviroplex, Inc.	Signature Date: 5/31/2023
Address: 4777 E. Carpenter Road	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Stockton, CA 95215	Phone: (209) 466-8000

RESPONSIBLE PERSON'S DECLARATION STATEMENT

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.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
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 Code of Regulations.
4. 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.
5. 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 inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Luis Esquivel	Responsible Designer Signature:
Company: Enviroplex, Inc.	Date Signed: 2023-05-31
Address: 4777 E. Carpenter Road	License: 640557
City/State/Zip: Stockton CA 95215	Phone: (209) 466-8000

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-121299 INC:
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DATE: 2/13/2024

CYS STRUCTURAL ENGINEERS INC.
2495 Natomas Park Drive, Suite 650
Sacramento, CA 95833
(916) 920-2020 (916) 920-1556 Fax
www.cyseng.com

01/16/2024
12/14/2023

REGISTERED PROFESSIONAL ENGINEER
ARTHUR ERNEST ROSS
No. S2030
STRUCTURAL
STATE OF CALIFORNIA

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(209) 466-8000

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DATE: 12/21/2023~~

PITTSBURG ADULT EDUCATION CENTER

PITTSBURG UNIFIED SCHOOL DISTRICT

ENERGY COMPLIANCE

REV / DATE:	BY:

JOB No.:
DRAWN BY:
DATE:

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
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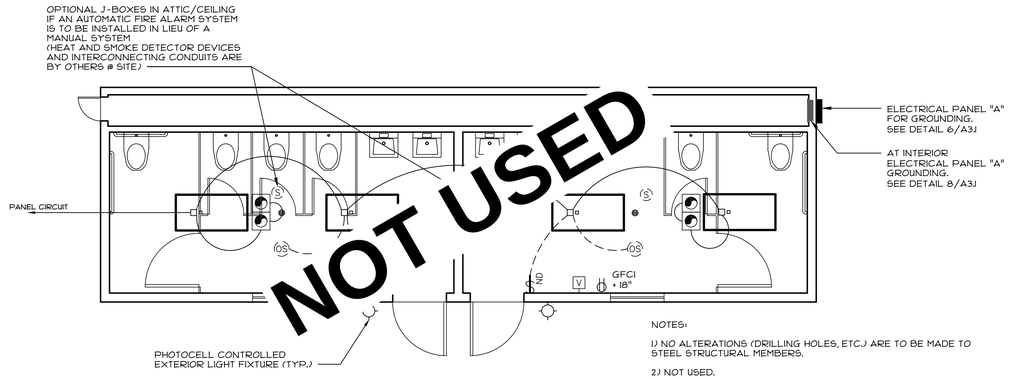
EN5

12'x40' P.C.



NOTES:

1) NO ALTERATIONS (DRILLING HOLES, ETC.) ARE TO BE MADE TO STEEL STRUCTURAL MEMBERS.

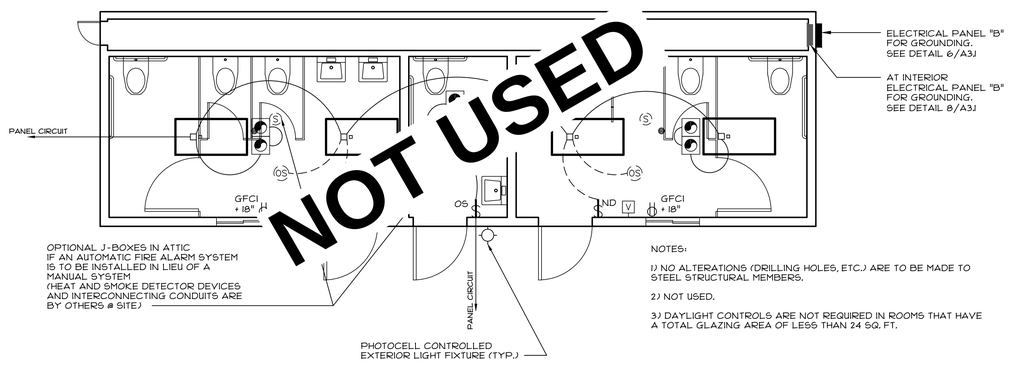
2) NOT USED.

3) DAYLIGHT CONTROLS ARE NOT REQUIRED IN ROOMS THAT HAVE A TOTAL GLAZING AREA OF LESS THAN 24 SQ. FT.

1a ELECTRICAL POWER, LIGHTING & SIGNAL PLAN

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

SEE A2.1 FOR SITE SPECIFIC SHEETS



NOTES:

1) NO ALTERATIONS (DRILLING HOLES, ETC.) ARE TO BE MADE TO STEEL STRUCTURAL MEMBERS.

2) NOT USED.

3) DAYLIGHT CONTROLS ARE NOT REQUIRED IN ROOMS THAT HAVE A TOTAL GLAZING AREA OF LESS THAN 24 SQ. FT.

1b ELECTRICAL POWER, LIGHTING & SIGNAL PLAN

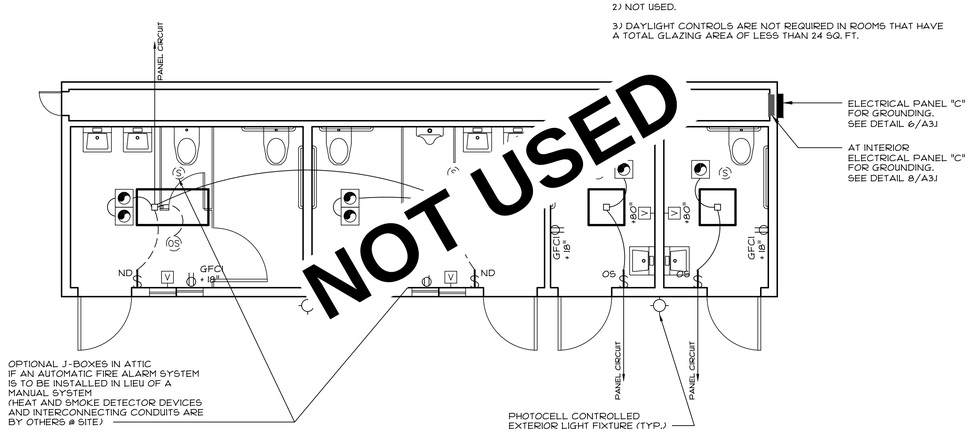
SCALE: 1/4"=1'-0"

NOTES:

1) NO ALTERATIONS (DRILLING HOLES, ETC.) ARE TO BE MADE TO STEEL STRUCTURAL MEMBERS.

2) NOT USED.

3) DAYLIGHT CONTROLS ARE NOT REQUIRED IN ROOMS THAT HAVE A TOTAL GLAZING AREA OF LESS THAN 24 SQ. FT.



1c ELECTRICAL POWER, LIGHTING & SIGNAL PLAN

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

DUPLEX RECEPTACLE @+15" MIN. A.F.F. (TO BOTTOM OF BOX) OR 18" A.F.F. TO CENTERLINE OF BOX. (UNLESS OTHERWISE NOTED)

J — JUNCTION BOX (SIZE AND INSTALLATION HEIGHT AS NOTED)

WH — WATER PROOF BELL BOX UNDER EAVE @+9'-4" (U.O.N.) FOR FUTURE FIRE ALARM AUDIBLE WARNING DEVICE SEE NOTE NO. 1 OF FIRE PROTECTION

FP — JUNCTION BOX @+48" A.F.F. (TO TOP OF BOX) FOR FUTURE FIRE ALARM PULL STATION - SEE NOTE NO. 1 OF FIRE PROTECTION ABOVE

V — JUNCTION BOX @+90" (U.O.N.) FOR FUTURE FIRE ALARM HORN/STROBE DEVICE - SEE NOTE NO. 1 OF FIRE PROTECTION ABOVE

I — JUNCTION BOX @+48" A.F.F. (TO TOP OF BOX) (U.O.N.) FOR FUTURE INTERCOM

CEILING MOUNT EXHAUST FAN (CFM PER SHEET A2)

HT — OPTIONAL JUNCTION BOX IN ATTIC FOR FUTURE HEAT DETECTOR (DEVICES AND INTERCONNECTING CONDUITS BY OTHERS @ SITE)

S — OPTIONAL JUNCTION BOX IN ATTIC FOR FUTURE SMOKE DETECTOR (DEVICES AND INTERCONNECTING CONDUITS BY OTHERS @ SITE)

4 ELECTRICAL LEGEND

PANEL SCHEDULE: "A"
MOUNTING: SURFACE NEMA-3R VOLTS: 120/240
PANEL: 125A PHASE: 1Φ
MAIN BREAKER: 125A WIRE: 3W

DESCRIPTION	LOAD	BRKR	MAIN 125 A	MAIN 125 B	BRKR	LOAD	DESCRIPTION
			1		2	478	LIGHTING/ FANS -A
			3		4	478	LIGHTING/ FANS -B
			5		6	1800	OUTLETS
			7		8	1800	OUTLETS
			9		10		FUTURE SOLAR ELEC.*
			11		12		

LEG A: 2278 W LEG B: 2278 W TOTAL: 4556 AMPS: 19.0

PANEL SCHEDULE: "B"
MOUNTING: SURFACE NEMA-3R VOLTS: 120/240
PANEL: 125A PHASE: 1Φ
MAIN BREAKER: 125A WIRE: 3W

DESCRIPTION	LOAD	BRKR	MAIN 125 A	MAIN 125 B	BRKR	LOAD	DESCRIPTION
			1		2	956	LIGHTING/ FANS -A
			3		4	236	LIGHTING/ FANS -B
			5		6	1800	OUTLETS
			7		8	3600	OUTLETS
			9		10		FUTURE SOLAR ELEC.*
			11		12		

LEG A: 2756 W LEG B: 3836 W TOTAL: 6592 W AMPS: 27.5

PANEL SCHEDULE: "C"
MOUNTING: SURFACE NEMA-3R VOLTS: 120/240
PANEL: 125A PHASE: 1Φ
MAIN BREAKER: 125A WIRE: 3W

DESCRIPTION	LOAD	BRKR	MAIN 125 A	MAIN 125 B	BRKR	LOAD	DESCRIPTION
			1		2	878	LIGHTING/ FANS -A
			3		4	472	LIGHTING/ FANS -B
			5		6	3600	OUTLETS
			7		8	3600	OUTLETS
			9		10		FUTURE SOLAR ELEC.*
			11		12		

LEG A: 4478 W LEG B: 4072 W TOTAL: 8550 W AMPS: 35.6

7 TYP. INTERIOR PANEL SCHEDULE

RCP — RELAY CONTROLLER PANEL: NEMA 1 PLENUM RATED, SURFACE MOUNTED DIMMING PANEL (RELAYS, DIMMING OUTPUTS, PHOTOCELL INPUTS, & DRY CONTACT INPUTS).

LIGHT FIXTURE: 2'x4' LED RECESSED TROFFER TYPE

LIGHT FIXTURE: 2'x2' LED RECESSED TROFFER TYPE

OS — OCCUPANCY SENSOR: LOW VOLTAGE, CEILING MOUNTED, OPTIONAL - WALL MOUNTED.

$D — DIMMING SWITCH: LOW VOLTAGE, TWO BUTTON, DIGITAL SWITCH W/ MANUAL ON/OFF & DIMMING CONTROL. (@+48" MAX A.F.F. TO TOP OF BOX).

$ND — NON-DIMMING SWITCH: LOW VOLTAGE, TWO BUTTON, DIGITAL SWITCH W/ MANUAL ON/OFF (@+48" MAX A.F.F. TO TOP OF BOX).

$OS — SWITCH WITH OCCUPANCY SENSOR: IF SPACE IS LESS THAN 100 S.F. OR THE LIGHTING LOAD DOES NOT EXCEED 0.5 WATTS PER S.F. THEN NON-DIMMING SWITCH MAY BE USED

EXTERIOR LIGHT: COMPACT FLUORESCENT, 13 WATT, WALL PACK. "LITHONIA" TWS (OR EQUAL.) MOUNTED @ +96" A.F.F. (U.O.N.)

12 LIGHTING LEGEND

PRE-CHECK (PC) DOCUMENT
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DATE: 2/13/2024

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www.cysweng.com

01/16/2024
12/14/2023

REGISTERED PROFESSIONAL ENGINEER — ARTHUR ERNEST RUSSELL — No. S2030 — STRUCTURAL — STATE OF CALIFORNIA

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DATE: 12/21/2023

PITTSBURG ADULT EDUCATION CENTER

PITTSBURG UNIFIED SCHOOL DISTRICT

ELECTRICAL POWER PLAN, SIGNAL PLAN, LIGHTING PLAN, DETAILS, ELECTRICAL NOTES

REV / DATE:	BY:

JOB No.:
DRAWN BY:
DATE:

A3

12"x40" P.C.

SMALL OFFICE ROOM LIGHTING CONTROL WITH WALL OCC. SENSOR

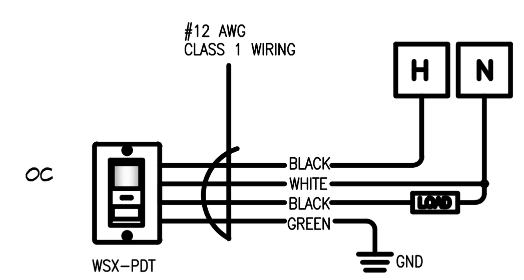
BILL OF MATERIAL

PRODUCT #	DESCRIPTION
nWSX PDT LV DX WH	WALL SWITCH DECORATOR OCCUPANCY SENSOR - DUAL TECHNOLOGY (PDT), LOW VOLTAGE; ON / OFF / RAISE / LOWER CONTROL

AcuityBrands®

LC & D - ROAM - SENSOR SWITCH - SYNERGY

JANITOR ROOM, SINGLE USE RESTROOMS LIGHTING 120V LINE VOLTAGE OCC. SENSOR



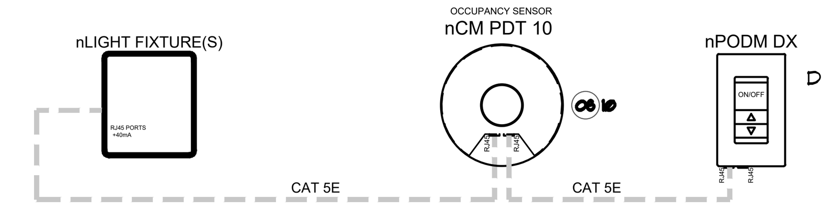
BILL OF MATERIAL

PRODUCT #	DESCRIPTION
WSX-PDT	ON/OFF SWITCH WITH BUILT IN DUAL TECH OCCUPANCY SENSOR

AcuityBrands®

LC & D - ROAM - SENSOR SWITCH - SYNERGY

MULTI-PURPOSE LIGHTING CONTROL DIAGRAM WITH CEILING OCC. SENSOR



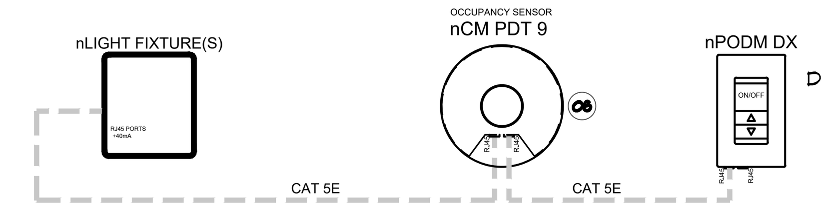
BILL OF MATERIAL

PRODUCT #	DESCRIPTION
nPODM DX	ON/OFF TOGGLE WITH DIMMING
nCM PDT 10	EXTENDED RANGE 360° SENSOR-CEILING MOUNT, LOW VOLTAGE, DUAL TECHNOLOGY (PDT)

AcuityBrands®

LC & D - ROAM - SENSOR SWITCH - SYNERGY

BREAK ROOM, BIG OFFICE, TRAINING, CONF. RM LIGHTING CONTROL DIAGRAM WITH CEILING OCC. SENSOR



BILL OF MATERIAL

PRODUCT #	DESCRIPTION
nPODM DX	ON/OFF TOGGLE WITH DIMMING
nCM PDT 9	STANDARD RANGE 360° SENSOR-CEILING MOUNT, LOW VOLTAGE, DUAL TECHNOLOGY (PDT)

AcuityBrands®

LC & D - ROAM - SENSOR SWITCH - SYNERGY

LIGHTS
- ALL LIGHTS ARE DIMMABLE.
- FIXTURES ARE CONTROLLED BASED ON POWER PACK LINE VOLTAGE AND 0-10V WIRING.
- MAXIMUM LEVEL CAN BE TASK TUNED TO ANY PERCENTAGE VIA PROGRAMMING.

OCCUPANCY
- PARTIAL-ON OCCUPANCY SENSORS AUTOMATICALLY ACTIVATE BETWEEN 50-70% OF CONTROLLED LIGHTING POWER OR FIXTURES MUST BE TURNED ON MANUALLY.
- FIXTURES AUTOMATICALLY TURN OFF WHEN ROOM BECOMES VACANT.

DAYLIGHT
- NOT REQUIRED IF ROOM HAS <24 FT2 OF GLAZING OR LIGHTING LOAD < 120W IN THE SKYLIT AND THE SIDELIT DAYLIT ZONE.
- SMOOTH CONTINUOUS DIMMING.
- CUSTOM GROUPING OF FIXTURES INTO SEPARATE DAYLIGHT ZONES (MAX. NUMBER OF ZONES = NUMBER OF FIXTURES).

MANUAL
- ON/OFF & RAISE/LOWER CONTROL OF FIXTURES.
- TEACHER STATION WITH 4 PRESET SCENES.

ADDITIONAL OPTIONS:
- ROOM CAN BE CONNECTED TO NLIGHT BACKBONE TO ENABLE NETWORK CONTROL, TIME SCHEDULES AND AUTOMATED DEMAND RESPONSE (OPENADR 2.0A).
- HVAC CONTROL AVAILABLE THROUGH SYSTEM-WIDE BACNET® INTERFACE OPTION ON THE ECLYPSE® CONTROLLER.
- WIRELESS FIXTURE EMBEDDED CONTROL AND OCCUPANCY/DAYLIGHTING SENSOR OPTIONS AVAILABLE, PLEASE SEE THE FIXTURE SPECIFICATION SHEET.

1 LIGHTING CONTROLS - SEQUENCE OF OPERATION DIAGRAMS

1. FIRE ALARM: FURNISHED BY OWNER AND SHALL CONFORM TO THE CALIFORNIA BUILDING CODE SECTION 907.2.3 AND CALIFORNIA ELECTRICAL CODE ARTICLE 760.
2. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY D.S.A.
3. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM A SATIS-FACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE PROJECT INSPECTOR.
4. ALARMS/EMERGENCY WARNING SYSTEMS/ACCESSIBILITY.
   IF EMERGENCY WARNING SYSTEMS ARE PROVIDED, THEY SHALL INCLUDE BOTH AUDIBLE ALARMS EMERGENCY VOICE ALARM COMMUNICATION SYSTEM AND VISUAL ALARMS COMPLYING WITH NFPA 72 EDITION 2022 AND CBC EDITION 2022 CHAPTER 9, SECTIONS 907.5.2, 907.5.2.1 AND 907.5.2.2
   (AND EMERGENCY VOICE ALARM COMMUNICATION SYSTEM)

2 FIRE PROTECTION

1. CERTIFIED LUMINARIES/BALLASTS.
2. INDEPENDENT CONTROL WITHIN ENCLOSED AREAS.
3. MANUAL SWITCHING READILY ACCESSIBLE.
4. REDUCTION OF LIGHTING LOAD TO AT LEAST 50% VIA (2) SWITCHES OR (1) MULTI-LEVEL SWITCH.
5. NOT USED.
6. TANDEM WIRING OF (4) LAMP LUMINARIES.

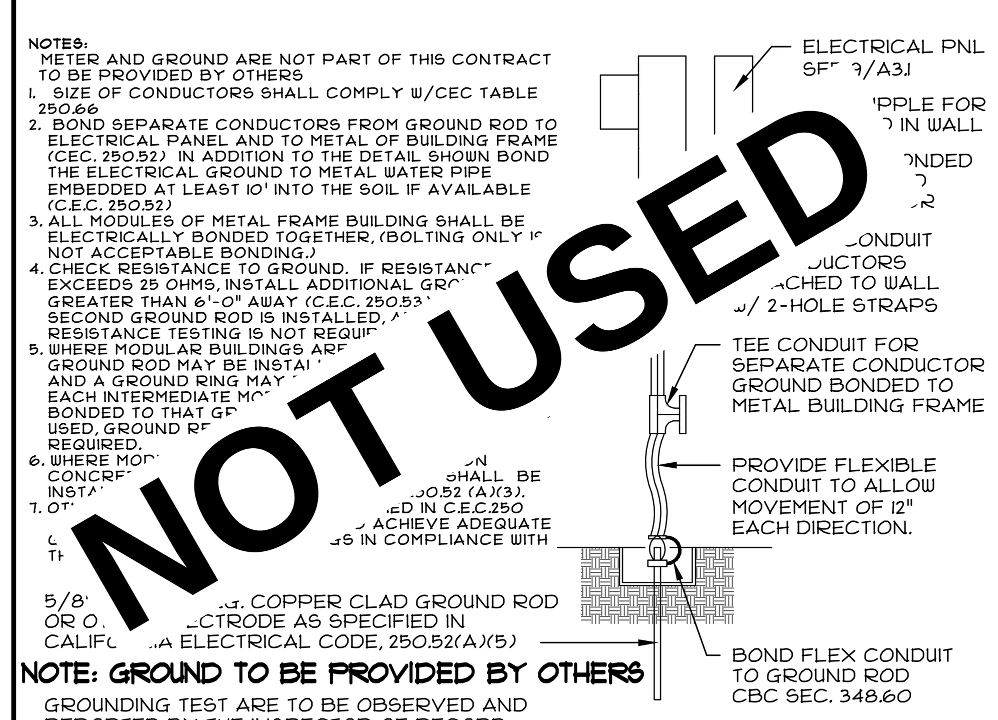
5 ELECTRICAL ENERGY COMPLIANCE

1. ELECTRICAL PANEL:
   FLUSH INTERIOR MOUNTED OR SURFACE MOUNT EXTERIOR W/ HINGED DOORS AND INDEXED CARD HOLDERS.
   CIRCUIT BREAKER(S) WILL HAVE AN APPROPRIATE UL. LABEL LISTING.
2. RECEPTACLES:
   "LEVITON", "HUBBEL" (OR EQUAL)
3. ELECTRIC METALLIC TUBING:
   COUPLINGS AND FLEX CONDUIT GALVANIZED OR SHERARDIZED.
4. CONDUCTORS:
   COPPER, INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #6 TYPE THW FOR LARGER SIZES. MINIMUM SIZE #12. LIGHTING & OUTLETS USE MINIMUM SIZE #12, SIZE HVAC WIRING PER LOAD.

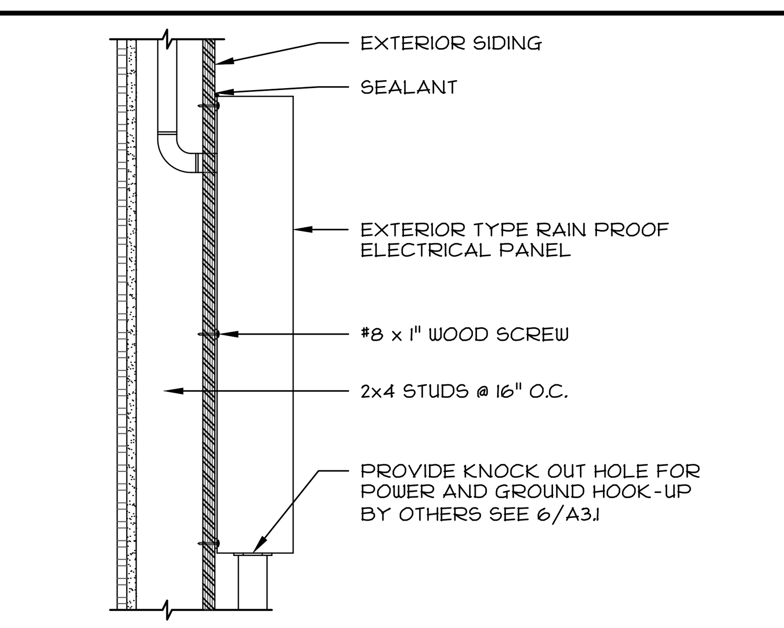
3 ELECTRICAL SPECIFICATIONS

1. ACCEPTANCE TESTING:
   ACCEPTANCE TESTS BE COMPLETED ON NEWLY INSTALLED OR REPLACEMENT OF LIGHTING CONTROLS BEFORE PROJECT COMPLETION PER THE CALIFORNIA ENERGY CODE SECTION 10-103. ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED ACCEPTANCE TEST TECHNICIAN (ATT). THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES CORRECTED UNTIL THE INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA. COMPLETED NRCA FORMS SHALL BE SUBMITTED TO THE PROJECT INSPECTOR AND THE DISTRICT.

7 LIGHTING NOTES



8 ELECTRICAL GROUND



10 ELECTRICAL PANEL INSTALLATION

SCALE: 1"=1'-0"

1. LIGHTING FIXTURE:
   2' x 4' LED RECESSED TROFFER TYPE FIXTURES, W/ LOW VOLTAGE DIMMING CONTROL SIGNAL, MAXIMUM 4000 LUMENS, MAX 38.9W. "LITHONIA" 2GTL 40L LP835 (OR EQUAL). (SEE 4 & 5/A2 FOR MOUNTING DETAILS)

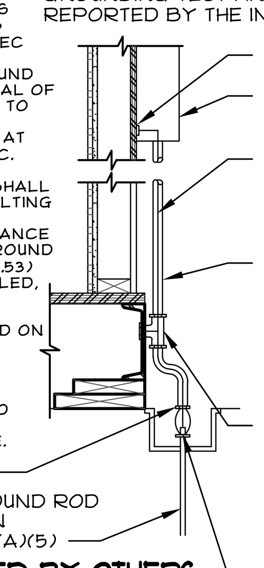
1.1 LIGHTING FIXTURE:
   2' x 2' LED RECESSED TROFFER TYPE FIXTURES, W/ LOW VOLTAGE DIMMING CONTROL SIGNAL, MAXIMUM 3453 LUMENS, MAX 35.4W. "LITHONIA" 2GTL LP835 (OR EQUAL). (SEE 4 & 5/A2 FOR MOUNTING DETAILS)

2. DAYLIGHT CONTROL PHOTOCELL:
   ON/OFF AND AUTOMATIC DIMMING CONTROL, CEILING MOUNT, LOW VOLTAGE. "nLIGHT" nCM ADC OR nCM ADCX(OR EQUAL).
3. LIGHT SWITCHES:
   ON/OFF & ON/OFF PLUS DIMMING, PUSH BUTTON, LOW VOLTAGE. "nLIGHT" nCM ADC OR nCM ADCX(OR EQUAL).
4. OCCUPANCY SENSOR:
   LOW VOLTAGE, WALL MOUNT OR CEILING MOUNT.
5. RELAY CONTROL PANEL:
   RELAY DIMMING PANEL, NEMA 1 PLENUM RATED, SURFACE MOUNTED. W/ 30A RELAYS, LOW VOLTAGE DIMMING OUTPUTS, PHOTOCELL OUTPUTS, DRY CONTACT INPUTS, AND OPTIONAL VOLTAGE BARRIER FOR EM CIRCUITS. "ACUITY BRANDS" (OR EQUAL)
6. ILLUMINATED EXIT SIGNS:
   IF REQUIRED BY CODE, SHALL BE PROVIDED IN COMPLIANCE W/ C.B.C. 1013 & 1006.
7. NOT USED
8. ~~SKYLIGHTS (IF OPTION IS INCLUDED IN SITE SPECIFIC PROJECT): GENERAL LIGHTING FIXTURES PLACED IN THE PRIMARY DAYLIT ZONE OF SKYLIGHTS SHALL BE CONTROLLED IN RESPONSE TO AVAILABLE DAYLIGHTING. REFER TO SHEET A5.1 FOR SKYLIGHT FRAMING AND DETAILS.~~
9. ACCESSIBLE, INDEPENDENT SWITCHING OR A CONTROL DEVICE SHALL BE INCLUDED FOR ALL AREAS ENCLOSED BY CEILING HEIGHT PARTITIONS.
10. ALL OUTDOOR LIGHTING SHALL BE CONTROLLED BY A PHOTOCELL OR OUTDOOR ASTRONOMICAL TIME SWITCH CONTROL.
11. FOR NON-POLE MOUNTED LUMINARIES OVER 30 WATTS EACH:
   OUTDOOR LIGHTING WHERE BOTTOM OF LUMINAIRE IS MOUNTED 24 FEET OR LESS ABOVE THE GROUND SHALL BE CONTROLLED BY MOTION SENSORS OR OTHER CONTROLS CAPABLE OF REDUCING THE LIGHTING POWER OF EACH LUMINAIRE BY 40 TO 80% IN RESPONSE TO THE AREA BEING VACATED.

11 LIGHTING SPECIFICATIONS

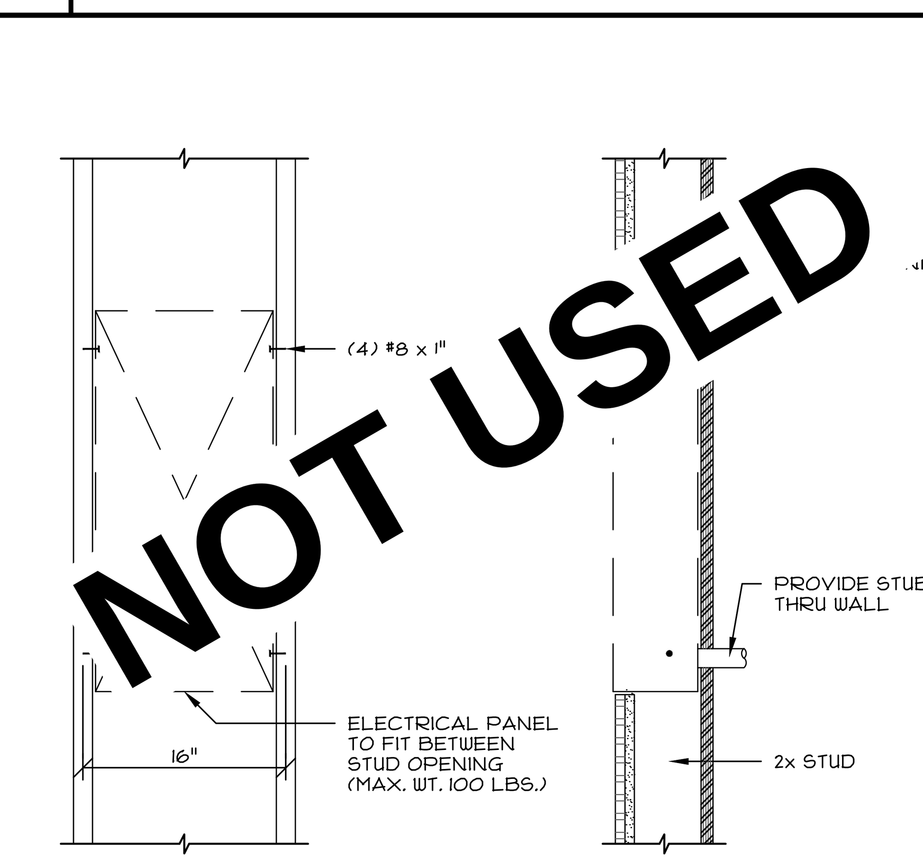
NOTES:
1. METER AND GROUND ARE NOT PART OF THIS CONTRACT TO BE PROVIDED BY OTHERS
2. SIZE OF CONDUCTORS SHALL COMPLY W/CEC TABLE 250.66
3. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL AND TO METAL OF BUILDING FRAME (CEC. 250.52) IN ADDITION TO THE DETAIL SHOWN BOND THE ELECTRICAL GROUND TO METAL WATER PIPE EMBEDDED AT LEAST 10' INTO THE SOIL IF AVAILABLE (C.E.C. 250.52)
4. ALL MODULES OF METAL FRAME BUILDING SHALL BE ELECTRICALLY BONDED TOGETHER, (BOLTING ONLY IS NOT ACCEPTABLE BONDING.)
5. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND ROD GREATER THAN 6'-0" AWAY (C.E.C. 250.53) ONCE THE SECOND GROUND ROD IS INSTALLED, ADDITIONAL RESISTANCE TESTING IS NOT REQUIRED.
6. WHERE MODULAR BUILDINGS ARE INSTALLED ON CONCRETE FOUNDATIONS, A UFER GROUND SHALL BE INSTALLED IN THE FOOTING PER (C.E.C. 250.52 (A)(3).
7. OTHER GROUNDING METHODS IDENTIFIED IN C.E.C.250 SHALL BE ACCEPTABLE MEANS TO ACHIEVE ADEQUATE GROUNDING OF METAL BUILDINGS IN COMPLIANCE WITH THE ABOVE.

GROUNDING TEST ARE TO BE OBSERVED AND REPORTED BY THE INSPECTOR OF RECORD.



NOTE: GROUND TO BE PROVIDED BY OTHERS

6 ELECTRICAL GROUND



9 ELECTRICAL PANEL INSTALLATION

SCALE: 1"=1'-0"

PRE-CHECK (PC) DOCUMENT
Code: 2022 CBC
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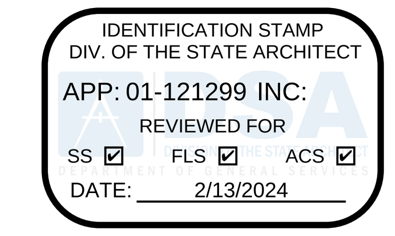

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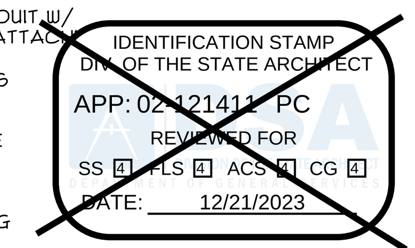


PITTSBURG ADULT EDUCATION CENTER

PITTSBURG UNIFIED SCHOOL DISTRICT

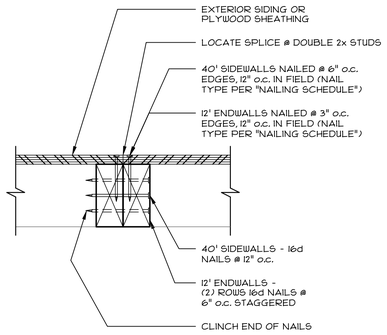
LIGHTING NOTES & DIAGRAMS

REV / DATE:	BY:

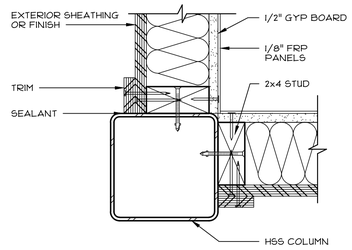
JOB No.:
DRAWN BY:
DATE:

A3.1

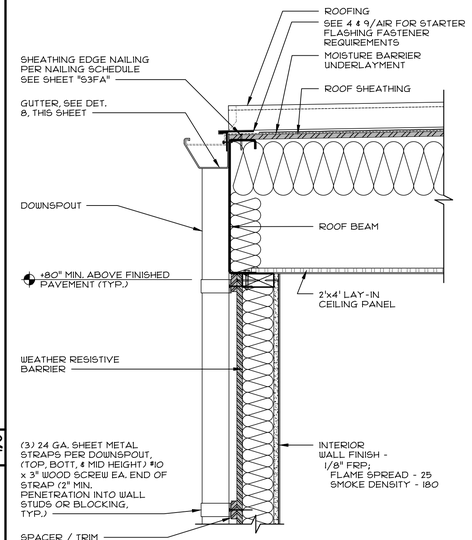
12x40' P.C.



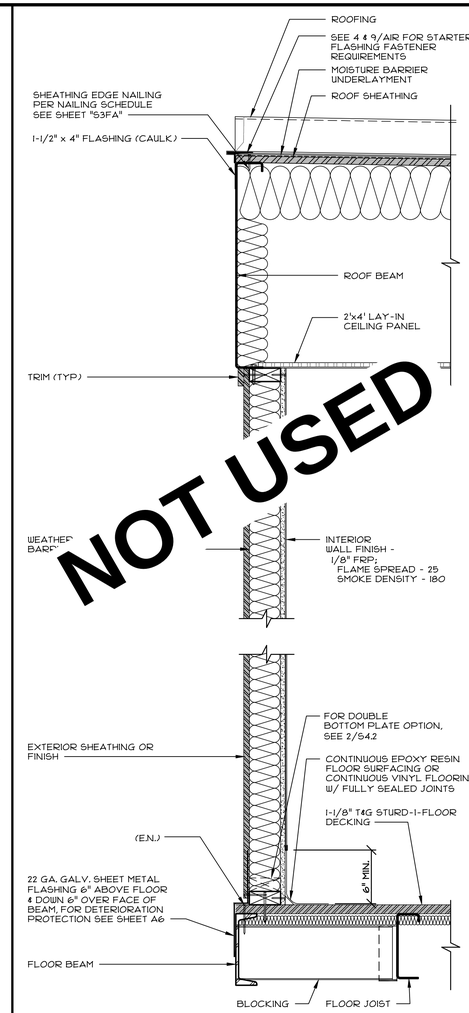
1 SIDING SPLICE DETAIL
SCALE: 3"=1'-0"



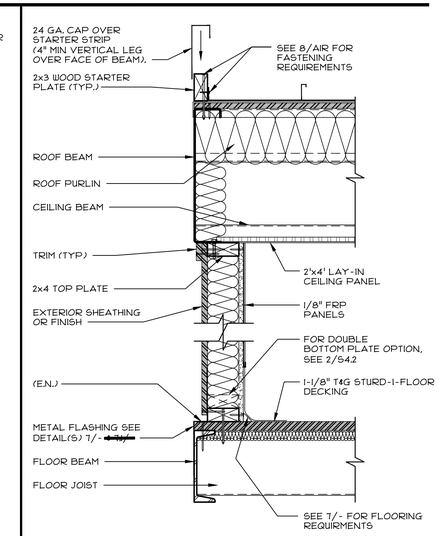
2 SECTION - 6x6 COLUMN @ CORNER
SCALE: 3"=1'-0"



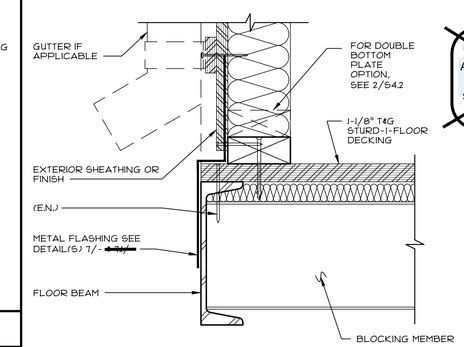
7 END WALL SECTION
SCALE: 1 1/2"=1'-0"



7.1 END WALL SECTION AT HIGH END
SCALE: 1 1/2"=1'-0"



9 SECTION - @ SIDEWALL
SCALE: 1 1/2"=1'-0"



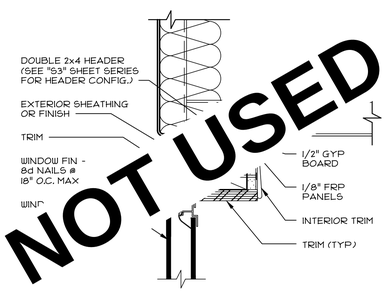
ENDWALL IS SHOWN, SIDEWALL IS SIMILAR.

10 PLUMBING CHASE @ PLY. FLOOR OPT.
SCALE: 3"=1'-0"

NOTES:

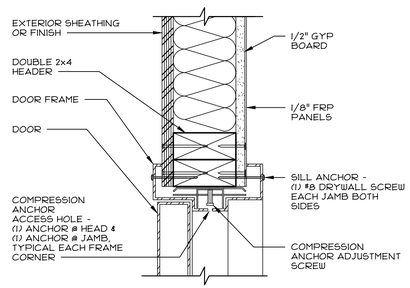
1. ALL EXTERIOR WALL SHEATHING/SIDING SHALL BE INSTALLED OVER CLASS I OR II VAPOR BARRIER.
2. FOR FASTENER SCHEDULE, SEE SHEET S3FA

12 SHEET NOTES



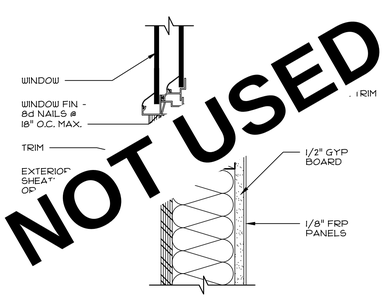
SECTION @ WINDOW JAMB IS SIMILAR

3 SECTION - WINDOW HEADER
SCALE: 3"=1'-0"

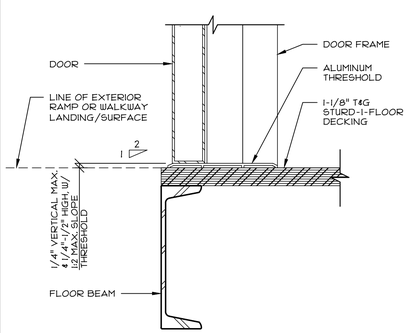


SECTION @ DOOR JAMB IS SIMILAR

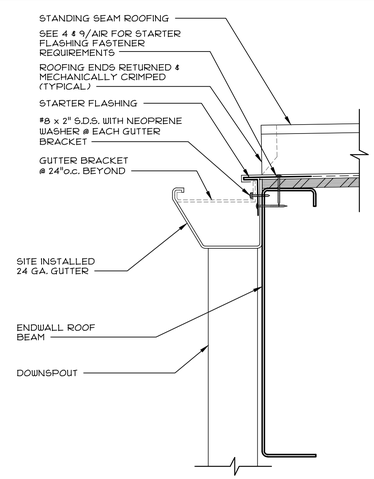
4 SECTION - DOOR HEADER
SCALE: 3"=1'-0"



5 SECTION - WINDOW SILL
SCALE: 3"=1'-0"



6 SECTION - DOOR THRESHOLD
SCALE: 3"=1'-0"



8 TYP. GUTTER INSTALLATION
SCALE: 3"=1'-0"

NOT USED

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01/16/2024
12/14/2023

REGISTERED PROFESSIONAL ENGINEER
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No. S2030
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STATE OF CALIFORNIA

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SECTIONS AND DETAILS WITHOUT OVERHANG 2x4 EXTERIOR WALLS (NON-RATED)

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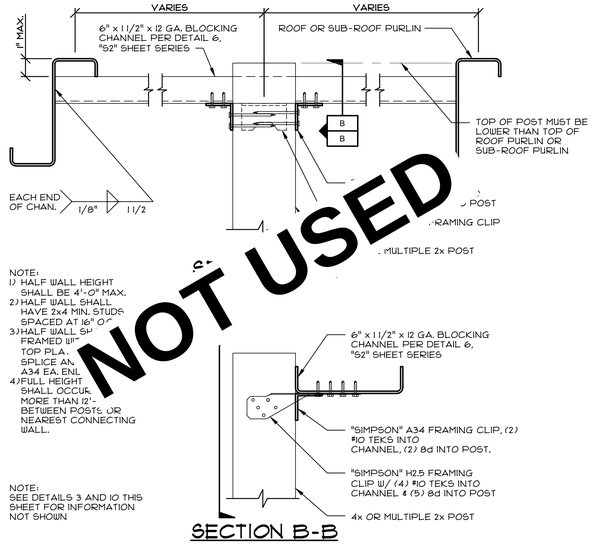
DATE:	

A4

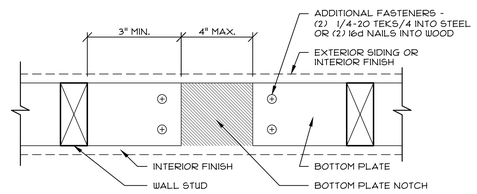
12"x40" P.C.



NOT USED

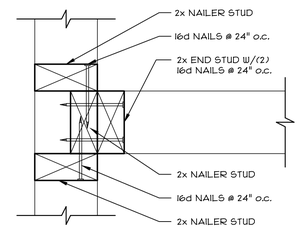
11 TOP CONNECTION - FULL HT. POST FOR HALF WALLS

SCALE: 3"=1'-0"



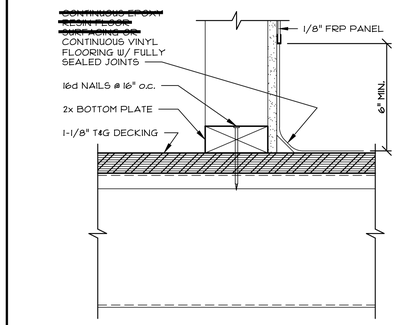
1 ALLOWABLE BOTTOM PLATE NOTCH

SCALE: 3"=1'-0"



4 PERPENDICULAR WALL CONNECTION

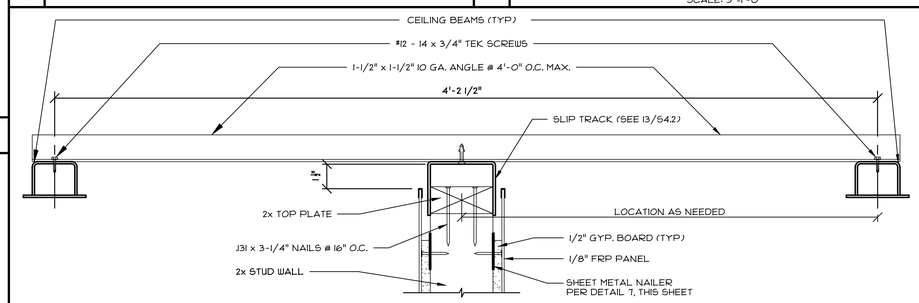
SCALE: 3"=1'-0"



3 PLUMBING CHASE BOTT. PL. TO FLOOR

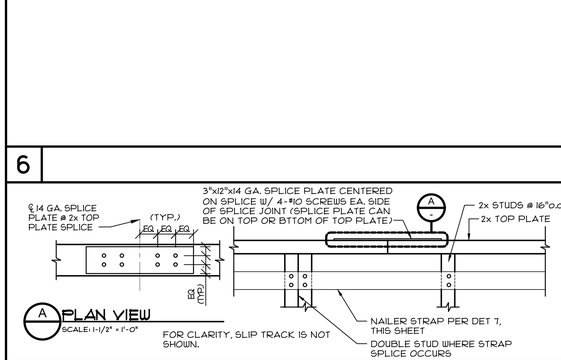
SCALE: 3"=1'-0"

2



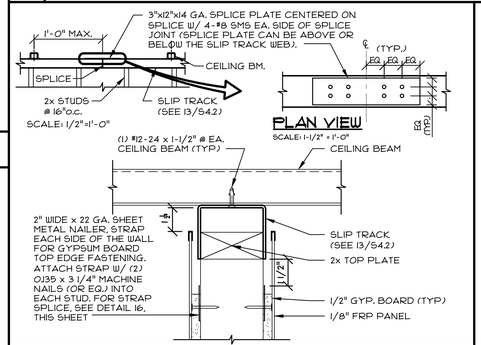
5 TOP PLATE ATTACHMENT BETWEEN CEILING BEAMS

SCALE: 3"=1'-0"



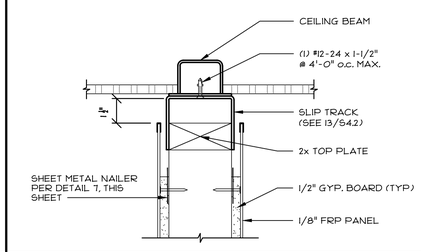
16 WOOD TOP PLATE SPLICE

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



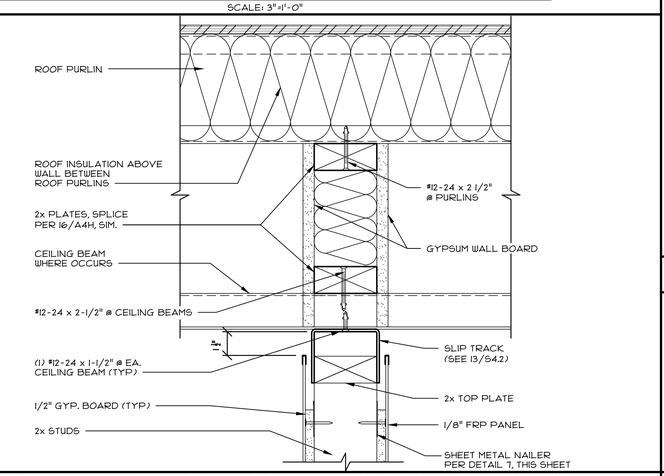
7 SLIP TRACK TO CEILING BEAM

SCALE: 3"=1'-0"



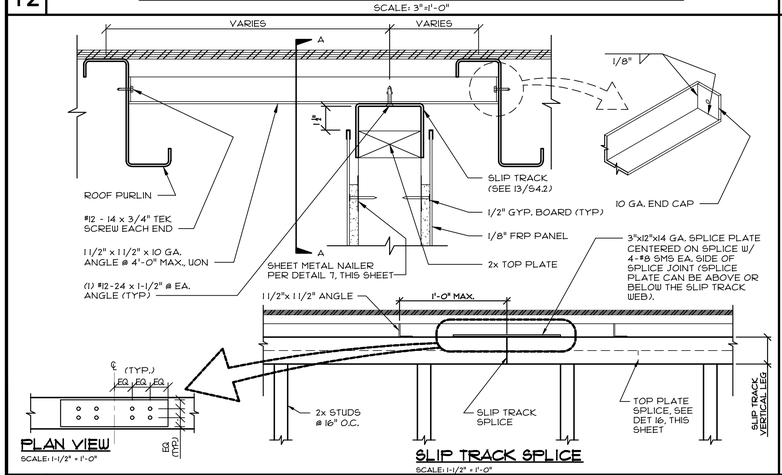
8 TOP PLATE TO CEILING BEAM

SCALE: 3"=1'-0"



12 FULL HEIGHT PRIVACY WALL - PERP. TO PURLINS

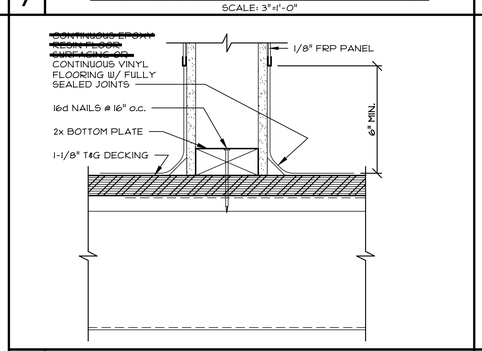
SCALE: 3"=1'-0"



13 FULL HEIGHT PRIVACY WALL - PARALLEL TO PURLINS

SCALE: 3"=1'-0"

9



10 BOTTOM PLATE TO FLOOR

SCALE: 3"=1'-0"

NOTES:

1. ALL EXTERIOR WALL SHEATHING/SIDING SHALL BE INSTALLED OVER CLASS I OR II VAPOR BARRIER.
2. FOR FASTENER SCHEDULE, SEE SHEET S3FA
3. 2x4, ~~OR 2x6~~ FRAMING MAY BE USED

15 SHEET NOTES

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01/16/2024
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No. S2030
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STATE OF CALIFORNIA

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PITTSBURG ADULT EDUCATION CENTER

PITTSBURG UNIFIED SCHOOL DISTRICT

INTERIOR WALL CONNECTION DETAILS

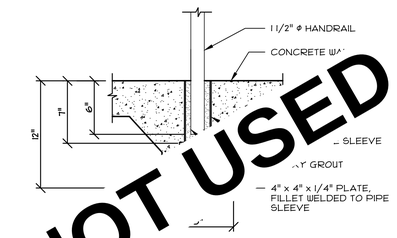
REV / DATE:	BY:

JOB No.:	
DRAWN BY:	
DATE:	

A4H

12"x40" P.C.

1



NOTE: DRINKING FOUNTAIN HANDRAILS SHALL BE PROVIDED AND INSTALLED BY OTHERS ON-SITE.

6 HANDRAIL VERTICAL TO CONC.

SCALE: 11/2" = 1'-0"

16

NOTE:

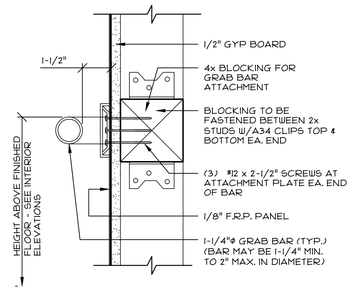
2x4, ~~OR 2x6~~ FRAMING MAY BE USED

15 SHEET NOTE

2

7

12



NOTE:
GRAB BAR SHALL BE CAPABLE OF SUPPORTING A VERTICAL OR HORIZONTAL 250 POUND LOAD

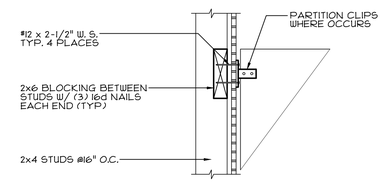
3 GRAB BAR BLOCKING DETAIL

SCALE: 3"=1'-0"

8

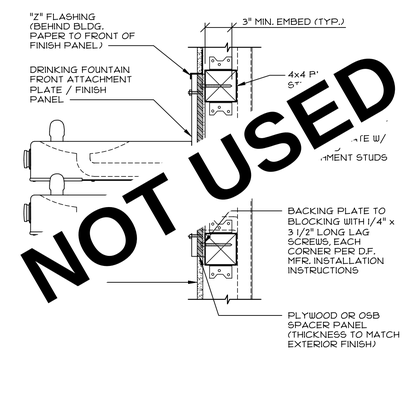
13 DRINKING FOUNTAIN (CHILD HT.)

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



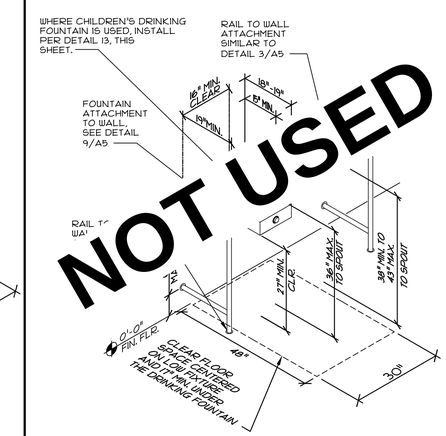
4 TOILET PARTITION BLOCKING

SCALE: 3"=1'-0"



9 D.F. TO WALL ATTACHMENT

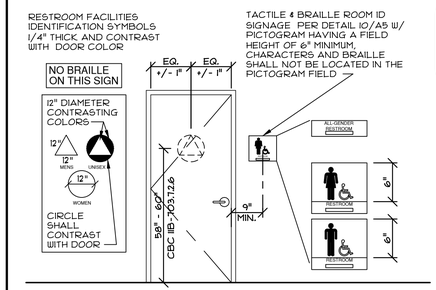
SCALE: NTS



NOTE: DRINKING FOUNTAIN RAILS SHALL BE PROVIDED AND INSTALLED BY OTHERS ON-SITE. RAILS SHALL PROJECT HORIZONTALLY AT LEAST AS FAR AS THE DRINKING FOUNTAIN.

14 DRINKING FOUNTAIN (ADULT HT.)

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



NOTE: EDGES AND CORNERS OF SIGNS SHALL BE EASED OR ROUNDED 1/16" MIN. CHAMFERED 1/8" MAXIMUM. VERTICES SHALL BE RADIUSED BETWEEN 1/8" - 1/4".

SEE 10/A5 FOR CHARACTER DEPTH, CASE, STYLE, PROPORTIONS, HEIGHT, STROKE THICKNESS, FINISH, CHARACTER SPACING, LINE SPACING, FORMAT, BRAILLE, POSITION, INSTALLATION HEIGHT ABOVE FINISHED FLOOR OR GROUND, AND LOCATION

FIGURE 11B-703.7.2.1

INTERNATIONAL SYMBOL OF ACCESSIBILITY: SHALL COMPLY WITH FIGURE 11B-703.7.2.1 THE SYMBOL SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE BLUE SHALL BE COLOR NO. 15090 IN FEDERAL STANDARDS 595C.

5 RESTROOM DOOR & ROOM IDENTIFICATION SIGNAGE

SCALE: 3/8"=1'-0"

NAMES, NUMBERS, OR LETTERS ONLY
THE MOST LOGICAL IDENTIFICATION SYSTEM FOR ROOMS OR OFFICES IS TO USE NUMBERS, LETTERS, OR COMBINATIONS OF NUMBERS AND LETTERS WHICH CAN THEN BE ARRANGED IN LOGICAL ORDER FOR EASY WAYFINDING.

12B Braille | LIBRARY Braille | EXIT Braille 1/5/8"-2" 3/8"-1/2" 3/8" MIN.

Mary Jones
PRINCIPAL
Braille

CHANGEABLE INFORMATION MAY BE INCLUDED ON A REMOVABLE INSERT

RAISED CHARACTERS: DEPTH
SHALL BE 1/32" MINIMUM ABOVE BACKGROUND.

CASE
CHARACTERS SHALL BE UPPER CASE.

STYLE
SHALL BE SANS SERIF AND SHALL NOT BE OBLIQUE, SCRIPT, DECORATIVE OR OTHER UNUSUAL FORMS.

PROPORTIONS
WIDTH OF UPPERCASE LETTER "O" IS 60% MINIMUM AND 110% MAXIMUM OF THE HEIGHT OF UPPERCASE "I".

HEIGHT
MEASURED VERTICALLY FROM BASELINE OF THE CHARACTER SHALL BE 5/8" MINIMUM AND 2" MAXIMUM BASED ON THE UPPERCASE LETTER "I".

STROKE THICKNESS
THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15% MAXIMUM OF THE HEIGHT OF THE CHARACTER

FINISH
CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER LIGHT CHARACTERS ON DARK BACKGROUND OR DARK CHARACTERS ON LIGHT BACKGROUND.

CHARACTER SPACING
SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSET POINTS OF ADJACENT RAISED CHARACTERS WITHIN A MESSAGE, EXCLUDING WORD SPACES. WHERE CHARACTERS HAVE RECTANGULAR CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/8" MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM. WHERE CHARACTERS HAVE OTHER CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/16" MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM AT THE BASE OF THE CROSS SECTIONS AND 1/8" MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM AT THE TOP OF THE CROSS SECTIONS. CHARACTERS SHALL BE SEPARATED FROM RAISED BORDERS AND DECORATIVE ELEMENTS 3/8" MINIMUM.

LINE SPACING
SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF RAISED CHARACTERS WITHIN A MESSAGE SHALL BE 135% MINIMUM AND 170% MAX. OF THE RAISED CHARACTER HEIGHT.

FORMAT
TEXT SHALL BE HORIZONTAL

BRAILLE:
SHALL BE CONTRACTED (GRADE 2) AND DOTS SHALL HAVE A DOMED OR ROUNDED SHAPE AND SHALL COMPLY WITH CBC TABLE 11B-703.3.1. THE INDICATION OF AN UPPER-CASE LETTER OR LETTERS SHALL ONLY BE USED BEFORE THE FIRST WORD OF A SENTENCE, PROPER NOUNS, AND NAMES, INDIVIDUAL LETTERS OF THE ALPHABET, INITIALS, AND ACRONYMS.

POSITION
SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT IN A HORIZONTAL FORMAT, FLUSH LEFT OR CENTERED. IF TEXT IS MULTI-LINED, BRAILLE SHALL BE PLACED BELOW THE ENTIRE TEXT. BRAILLE SHALL BE SEPARATED 3/8" MIN AND 1/2" MAX FROM ANY OTHER TACTILE CHARACTERS AND 3/8" MIN FROM RAISED BORDERS AND DECORATIVE ELEMENTS.

INSTALLATION:
HEIGHT ABOVE FINISHED FLOOR OR GROUND
CHARACTERS ON SIGNS SHALL BE LOCATED 48" MIN ABOVE THE FINISHED FLOOR OR GROUND SURFACE MEASURED FROM BASELINE OF THE LOWEST BRAILLE CELLS AND 60" MAX ABOVE THE FINISHED FLOOR OR GROUND SURFACE MEASURED FROM THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS.

LOCATION
SIGNS SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE, WHERE AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. WHERE THE PROVIDED WITH TWO ACTIVE LEAFS THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR. WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT SIDE OF A DOUBLE DOOR, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18" MIN BY 18" MIN CENTERED ON THE TACTILE CHARACTERS IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION.

NOTE
ROOM IDENTIFICATION SIGNAGE AND INTERNATIONAL SYMBOLS OF ACCESSIBILITY SIGNAGE SHALL BE PROVIDED BY SCHOOL DISTRICT / OWNER AT SITE. SIGNAGE SHALL BE INSTALLED AT LOCATIONS REQUIRED BY CODE USING THE ABOVE GUIDELINES.

SIGNAGE SHALL BE FIELD INSPECTED AFTER INSTALLATION AND APPROVED BY THE ENFORCING AGENCY PRIOR TO THE ISSUANCE OF A FINAL CERTIFICATE OF OCCUPANCY (11B-703.1.1.2).

10 TYP. TACTILE ROOM ID. SIGNAGE

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DATE: 2/13/2024

CYS STRUCTURAL ENGINEERS INC.
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(916) 565-4500 Fax 565-4510
www.cysweng.com
01/16/2024
12/14/2023

REGISTERED PROFESSIONAL ENGINEER ARTHUR ERNEST REST S2030 STRUCTURAL STATE OF CALIFORNIA

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PITTSBURG UNIFIED SCHOOL DISTRICT

MISCELLANEOUS DETAILS

REV / DATE:	BY:

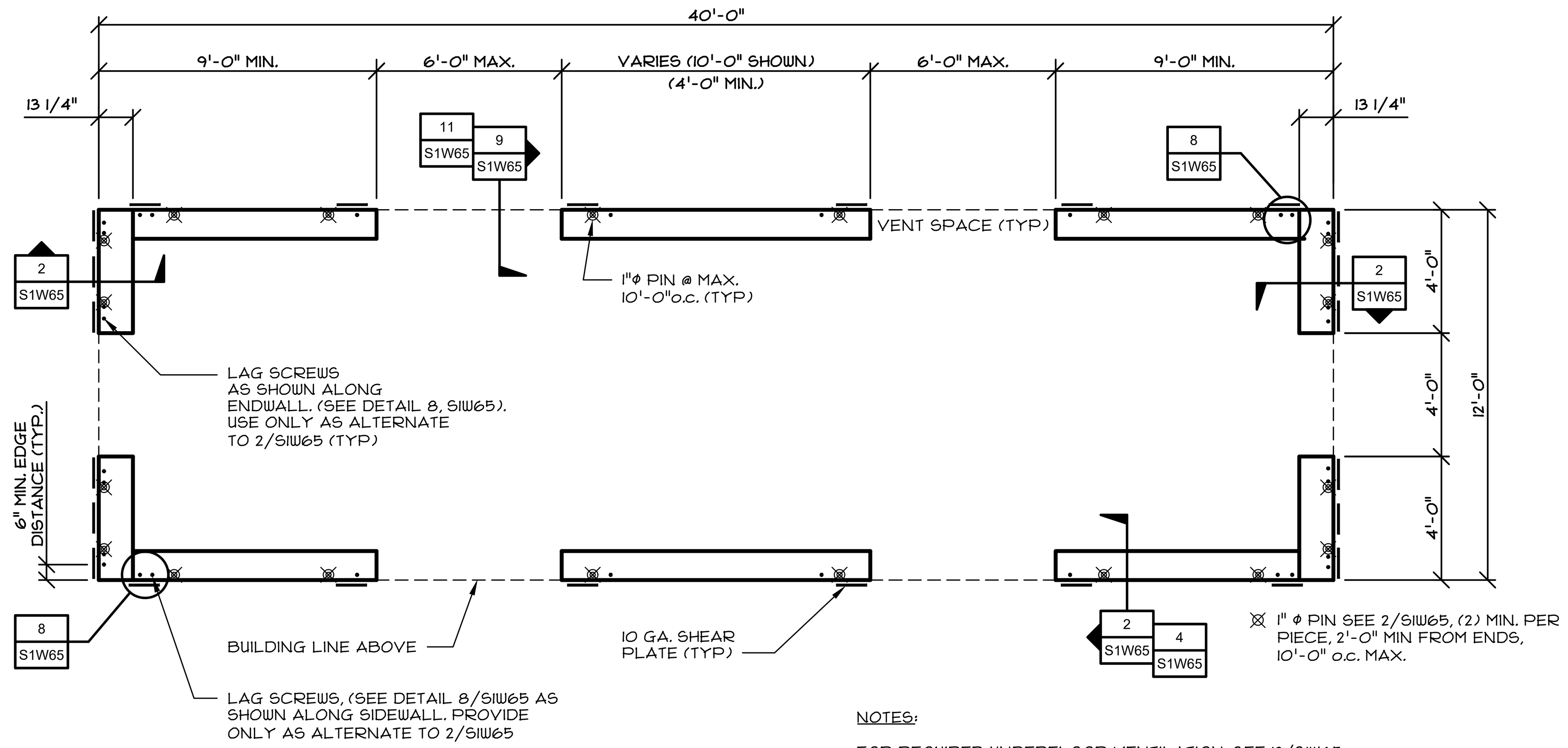
JOB No.:
DRAWN BY:
DATE:

A5

12"x10" P.C.

PERIMETER - SHEAR PLATES	ANCHOR TYPE	MIN. QUANTITY
ALONG EACH PERIMETER LONGITUDINAL SIDEWALL LINE. LOCATIONS PER PLAN.	SHEAR PLATE PER DETAIL 10/S1W65	6
ALONG EACH PERIMETER TRANSVERSE ENDWALL LINE. LOCATIONS PER PLAN.	SHEAR PLATE PER DETAIL 10/S1W65	6

PERIMETER (ALTERNATE TO SHEAR PLATES)	ANCHOR TYPE	MIN. QUANTITY
ALONG EACH PERIMETER LONGITUDINAL SIDEWALL LINE. LOCATIONS PER PLAN.	3/4"Ø x 5" LAG SCREW (SEE DETAIL 8/S1W65)	8
ALONG EACH PERIMETER TRANSVERSE ENDWALL LINE. LOCATIONS PER PLAN.	3/4"Ø x 5" LAG SCREW (SEE DETAIL 8/S1W65)	8

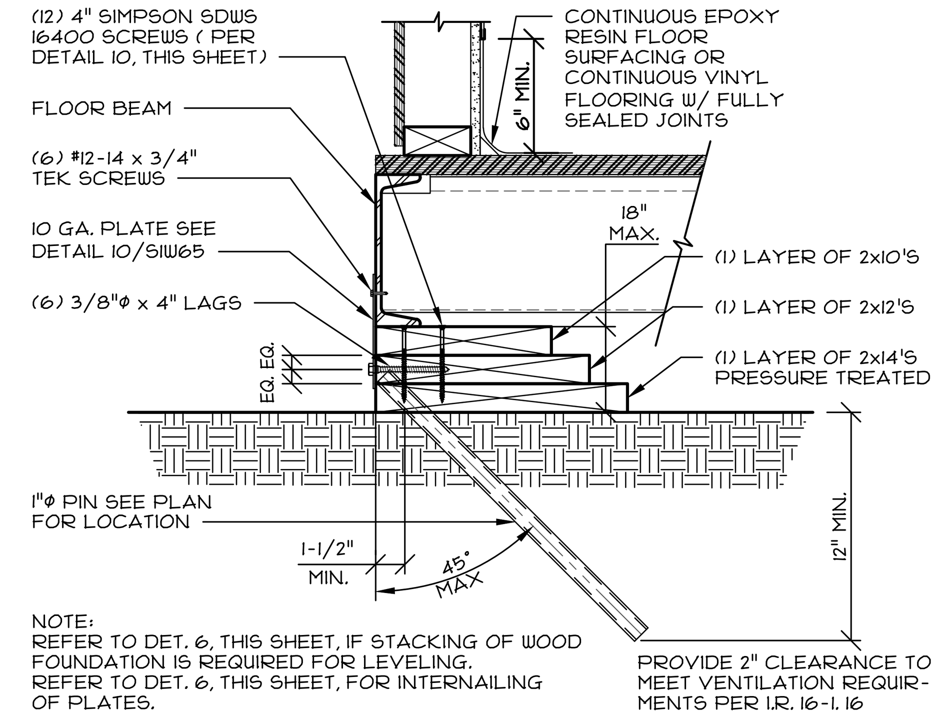


NOTES:

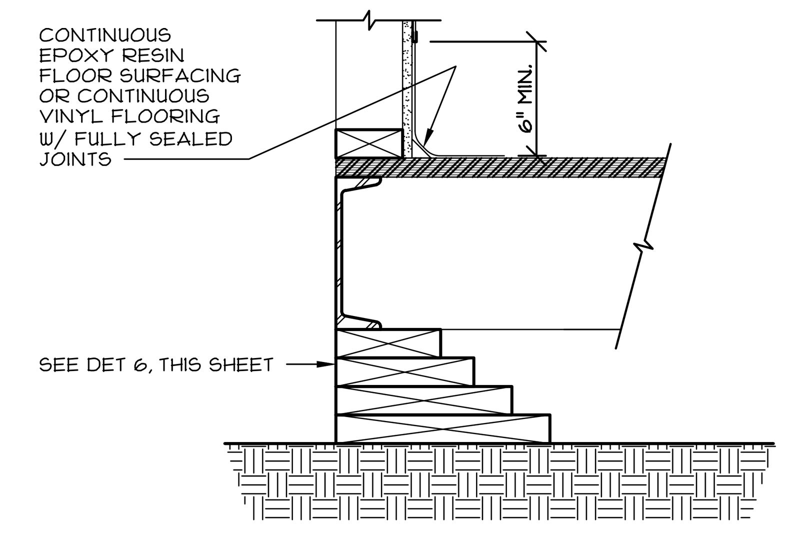
FOR REQUIRED UNDERFLOOR VENTILATION, SEE 12/S1W65

DRAINAGE SHALL BE PROVIDED TO PREVENT WATER FROM PONDING BENEATH BUILDINGS. IF THE BUILDING IS PLACED ON RAISED WOOD FOUNDATIONS, SUCH AS WOOD SLEEPERS PLACED ON GROUND OR ASPHALT THAT IS PLANAR (I.E. NOT LOWERED BELOW ADJACENT GRADE), SLOPED DRAINAGE IS NOT REQUIRED AWAY FROM THE BUILDING IF THERE IS ADEQUATE SLOPE AT THE SITE TO PREVENT WATER FROM PONDING BENEATH AND IMMEDIATELY ADJACENT TO BUILDINGS. FOR OTHER CONDITIONS, SUCH AS LOWERED BASIN UNDER BUILDING OR CONCRETE FOUNDATIONS, SLOPED DRAINAGE SHALL BE PROVIDED AWAY FROM THE BUILDING IN ACCORDANCE WITH CBC SECTION 1804A.4.

1 "65 P.S.F." WOOD FOUNDATION PLAN
SCALE: 1/4"=1'-0"



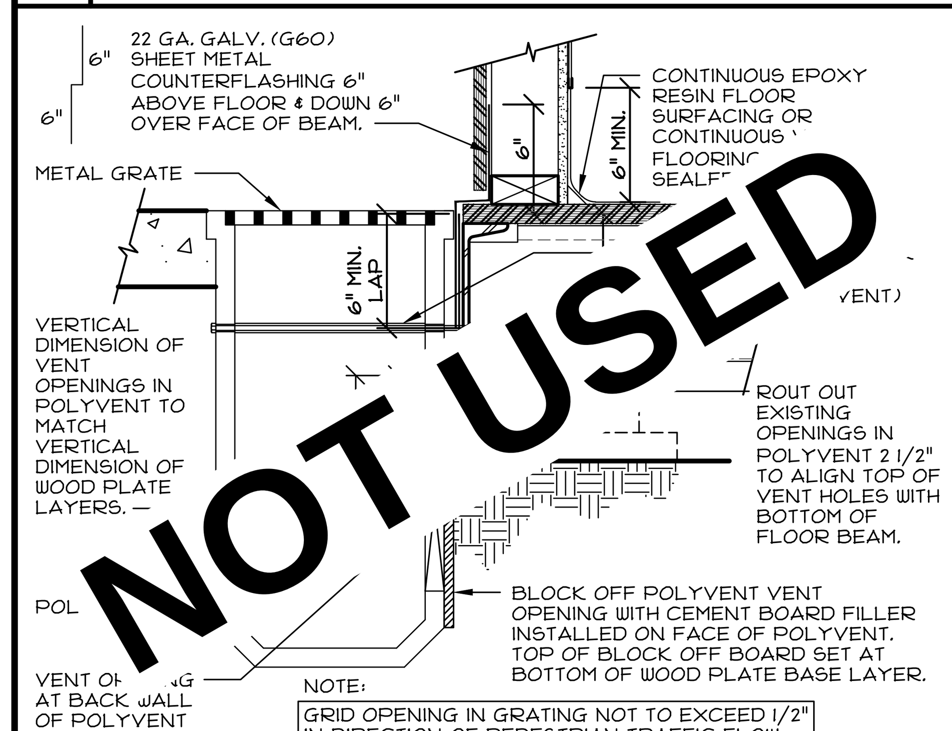
2 PERIMETER PIER DETAIL
SCALE: 1 1/2"=1'-0"



NOTE: THIS DETAIL FOR REFERENCE ONLY SEE DETAIL 6, THIS SHEET, FOR NAILING DETAIL

SEE DET. 2, THIS SHEET, U.O.N.

4 PERIMETER PIER STACKING DETAIL
SCALE: 1 1/2"=1'-0"

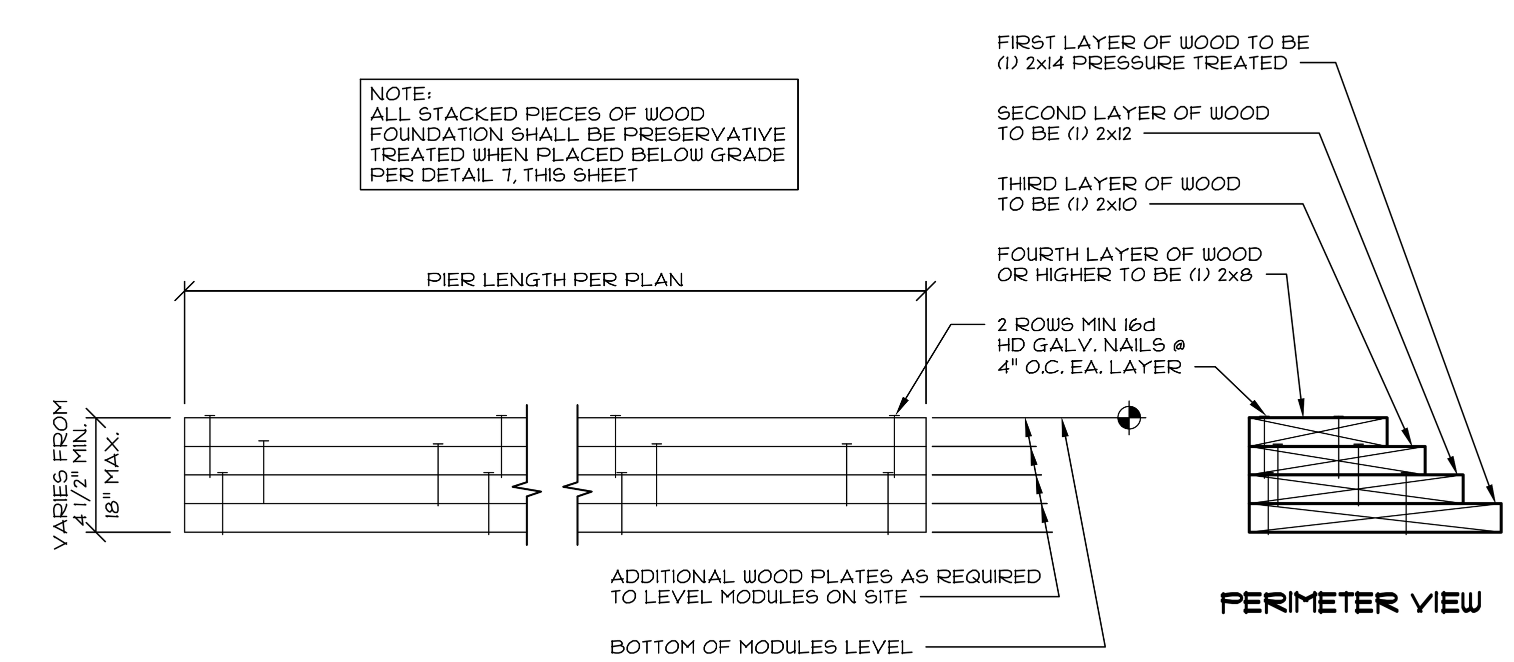


11 UNDERFLOOR VENT - RECESSED
SCALE: 1 1/2"=1'-0"

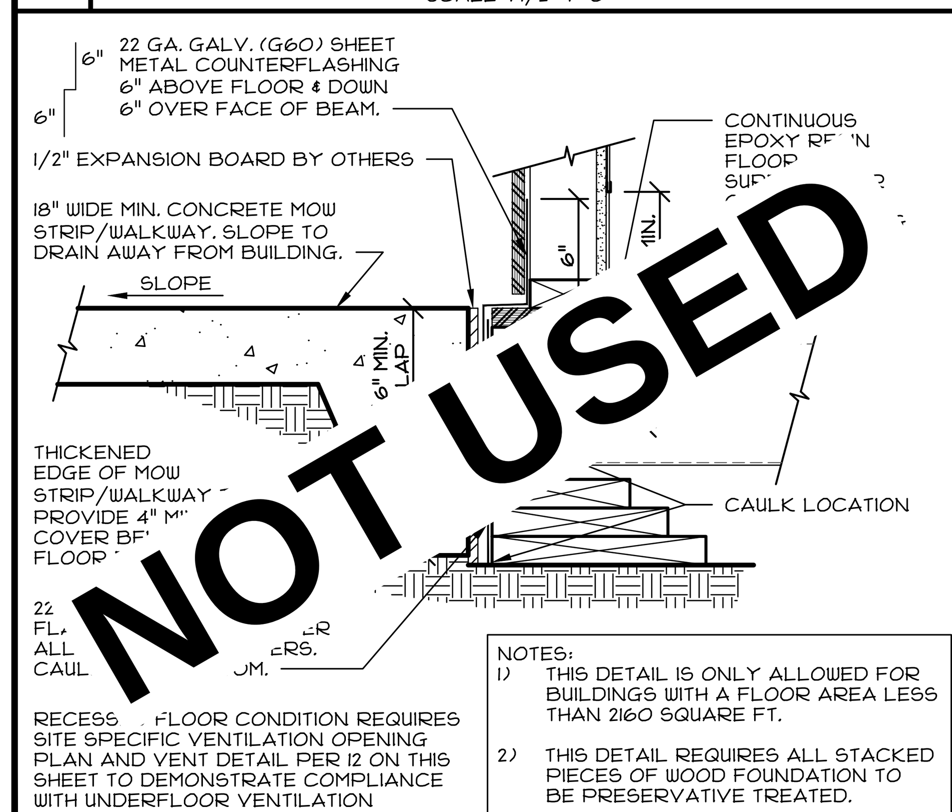
WOOD NOTES

1. BOTTOM LAYER OF PIERS SHALL BE PRESSURE TREATED COASTAL DOUGLAS FIR. SUBSEQUENT LAYERS NOT IN CONTACT WITH SOIL MAY BE UNTREATED HEM FIR No. 3 OR BETTER. UNO, SEE NOTE #10 FOUNDATION GRADE WOOD IN CONTACT WITH SOIL SHALL BE PRESERVATIVE TREATED AND SHALL BE STAMPED "FOR GROUND CONTACT". PRESERVATIVE TREATED MATERIAL SHALL BE VERIFIED BY A CERTIFICATE OF TREATMENT STATING, "THE MATERIAL IN THIS UNIT WAS TREATED PER CALIFORNIA BUILDING CODE, SECTION 2303.1.9". EACH PIECE PRESSURE TREATED MATERIAL SHALL BE STAMPED WITH THE APPROPRIATE STAMP.
2. ALL LAG SCREWS AND NAILS SHALL BE "HOT DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER (CBC 2304.10.5). COATING WEIGHTS FOR ZINC-COATED FASTENERS SHALL BE IN ACCORDANCE WITH ASTM A153.
3. SHIM PIERS AS REQUIRED WITH APA RATED PLYWOOD MADE WITH EXTERIOR GLUE. SHIMS SHALL BE CONTINUOUS ACROSS LENGTH OF PIERS AS FIELD CONDITIONS ALLOW. PLYWOOD SHIMS SHALL NOT BE IN DIRECT CONTACT WITH THE SOIL.
4. SOIL BEARING PRESSURE IS ASSUMED AT 1,000 P.S.F.
5. FOUNDATION SHOWN ON (3) LAYERS OF WOOD MINIMUM. ANY ADDITIONAL LAYERS OF WOOD ARE TO BE STACKED AS PER STACKING DETAILS 4 & 6 ON THIS SHEET.
6. VENTILATION TO MEET REQUIREMENTS PER IR. 16-1.16. PROVIDE 1 SQ. FT. OF NET FREE VENTILATION AREA FOR EACH 150 SQ. FT. VENT OPENINGS FOR WOOD PLATE FOUNDATIONS SHALL BE FULLY COVERED WITH HARDWARE CLOTH OF 0.035" WIRE OR HEAVIER WITH THE LEAST DIMENSION NOT GREATER THAN 1/4".
7. TREATED WOOD PLATES TO HAVE A MIN. SPECIFIC GRAVITY OF 0.43.
8. 1" DIAMETER PIN IS TO BE 1" STANDARD WEIGHT PIPE, HOT DIPPED GALVANIZED PER DSA IR. 16-1
9. ALL NAILS FOR STRUCTURAL WORK SHALL BE COMMON STEEL WIRE NAILS COMPLYING WITH CBC SEC 2303.6.
10. ALL STACKED PIECES OF WOOD FOUNDATION SHALL BE PRESERVATIVE TREATED WHEN PLACED BELOW EXTERIOR GRADE PER DETAIL 7, THIS SHEET.

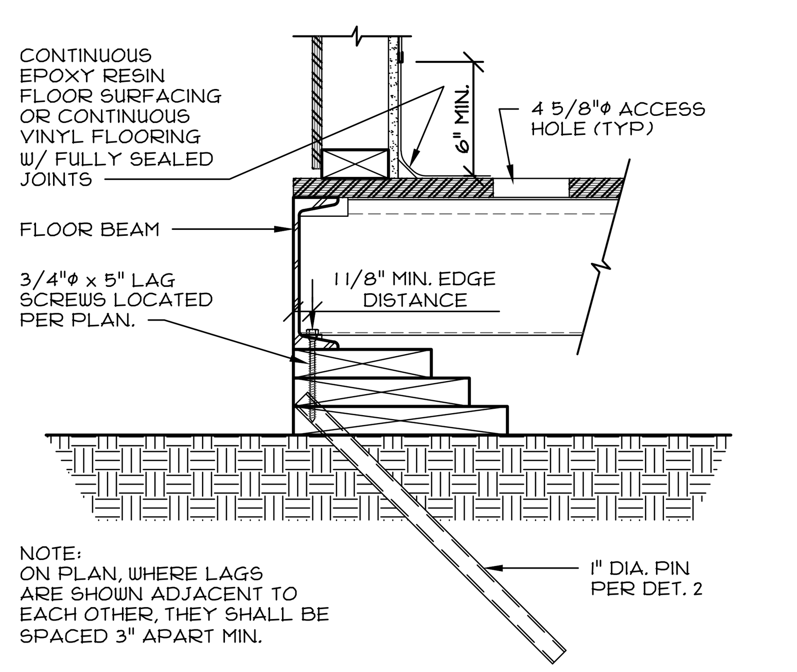
NOTE:
ALL STACKED PIECES OF WOOD FOUNDATION SHALL BE PRESERVATIVE TREATED WHEN PLACED BELOW EXTERIOR GRADE PER DETAIL 7, THIS SHEET



6 INTER-NAILING OF WOOD PIERS
SCALE: 1 1/2"=1'-0"

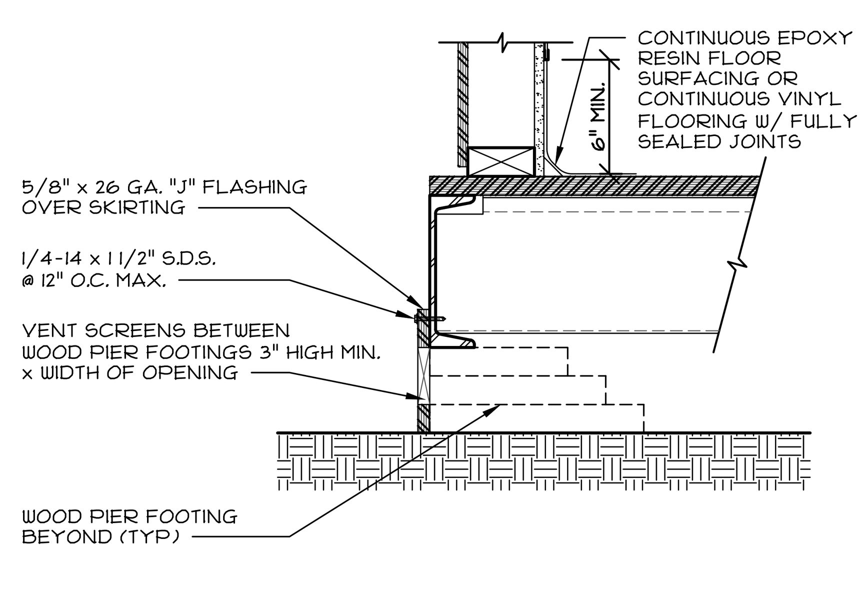


7 PERIMETER FLASHING - RECESSED
SCALE: 1 1/2"=1'-0"

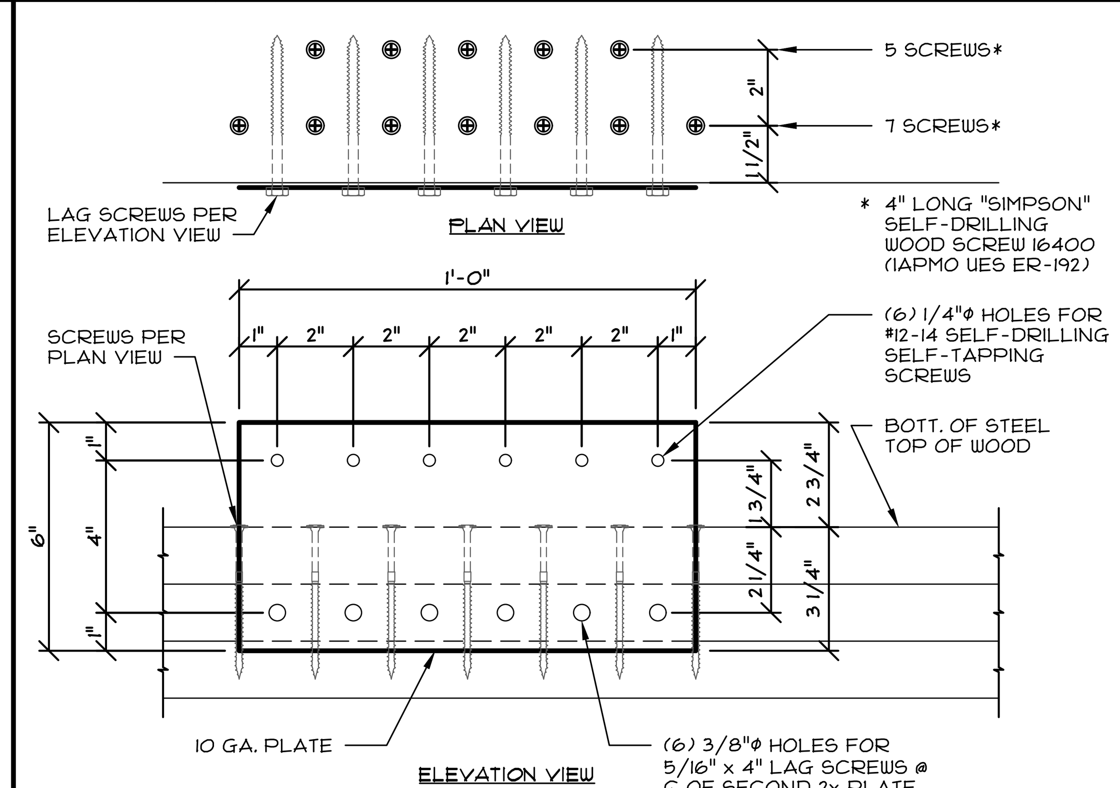


NOTE: ON PLAN, WHERE LAGS ARE SHOWN ADJACENT TO EACH OTHER, THEY SHALL BE SPACED 3" APART MIN.

8 ALTERNATE PERIMETER DETAIL
SCALE: 1 1/2"=1'-0"



9 PERIMETER SKIRTING DETAIL
SCALE: 1 1/2"=1'-0"



10 SHEAR PLATE DETAIL
SCALE: 3"=1'-0"

NO. OF MODULES	1
EFFECTIVE NET AIR FLOW AREA (SQ.FT.)	3.20

NOTE:
1) THE ACTUAL LOCATIONS AND SIZES OF UNDER FLOOR VENTILATION OPENINGS SHALL BE SHOWN ON THE FOUNDATION PLAN, OR FLOOR PLAN OF THE SITE SPECIFIC PROJECT.
2) VENTILATION OPENINGS SHALL BE FULLY COVERED WITH HARDWARE CLOTH OF 0.035 WIRE OR HEAVIER, EXTRUDED LOAD BEARING VENTS, OR CAST IRON GRILLES OR GRATINGS. THE LEAST DIMENSION IN THE VENT COVERING SHALL NOT BE GREATER THAN 1/4".

12 MIN. UNDERFLOOR VENTILATION REQ.

FOR USE:
1) 20 PSF ROOF LIVE LOAD W/ 65 psf FLOOR LL.
2) ALL ROOF OPTIONS.
3) FOR ALLOWABLE EXTERIOR FINISHES, SEE "OPTION COMBINATION TABLE" SHEET A0.
4) PLYWOOD FLOORS ONLY.

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01/16/2024
12/14/2023

REGISTERED PROFESSIONAL ENGINEER
ARTHUR ERNEST ROSS
STRUCTURAL
STATE OF CALIFORNIA

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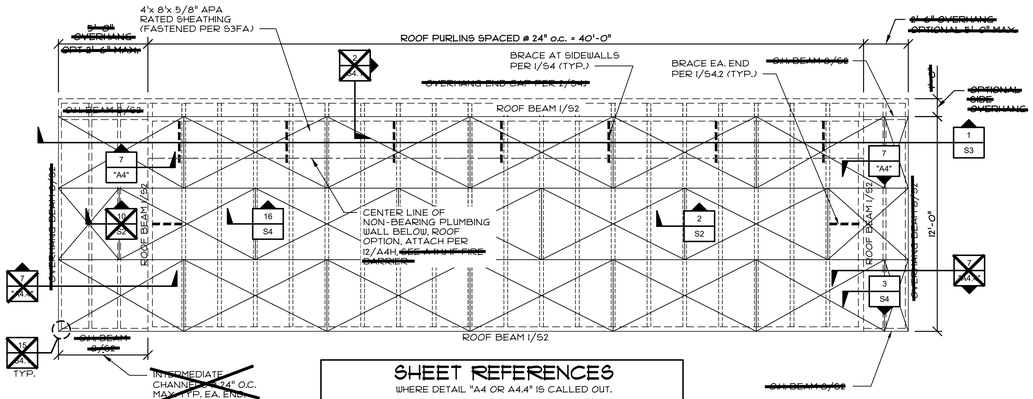
65 P.S.F. WOOD FOUNDATION PLAN, PIER DETAILS, NOTES

REV / DATE:	BY:

JOB No.:
DRAWN BY:
DATE:

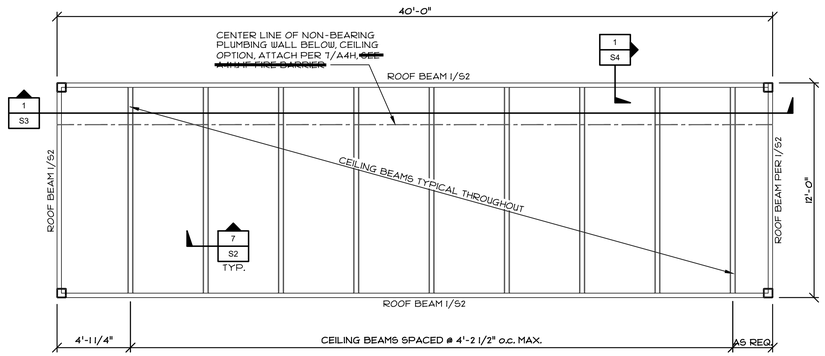
S1W65

12'x40' P.C.

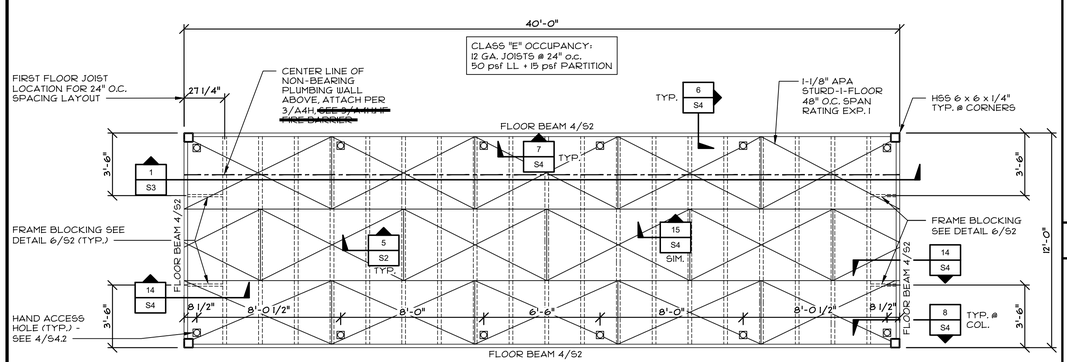


SHEET REFERENCES			
WHERE DETAIL "A4 OR A4.4" IS CALLED OUT.			
STUD SIZE	W/O OHG.	W/ OHG.	THK. FIRE BARRIER
2x4	A4	A4.4	N/A
2x6	A4.1	A4.5	A4.5 OR A4.6

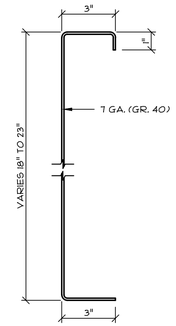
13 ROOF FRAMING PLAN
SCALE: 1/4"=1'-0"



14 CEILING FRAMING PLAN
SCALE: 1/4"=1'-0"

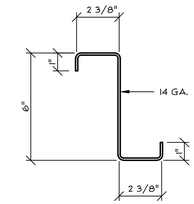


15 FLOOR FRAMING PLAN
SCALE: 1/4"=1'-0"



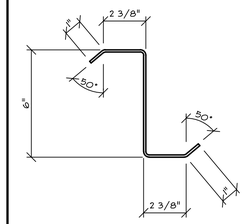
EFFECTIVE SECTION PROPERTIES		
	18"	23"
A (GROSS)	4.32 in^2	5.22 in^2
Ix min.	163.74 in^4	292.77 in^4
Sx min.	17.15 in^3	23.24 in^3

1 ROOF BEAM SECTION
SCALE: 3"=1'-0"



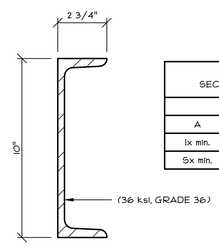
EFFECTIVE SECTION PROPERTIES	
A (GROSS)	0.87 in^2
I_x min.	4.83 in^4
S_x min.	1.61 in^3

2 ROOF PURLIN SECT.
SCALE: 3"=1'-0"



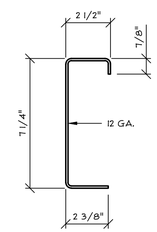
(ROOF) EFFECTIVE SECTION PROPERTIES	
A (GROSS)	0.886 in^2
Ix min.	5.06 in^4
Sx min.	1.687 in^3
THK.	14 GA.

3 ALT. ROOF PURLIN
SCALE: 3"=1'-0"



EFFECTIVE SECTION PROPERTIES	
	C 10x20
A	5.88 in^2
Ix min.	78.9 in^4
Sx min.	15.8 in^3

4 FLOOR BEAM SECTION
SCALE: 3"=1'-0"

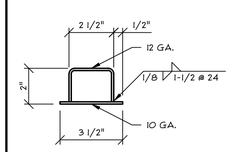


EFFECTIVE SECTION PROPERTIES	
A (GROSS)	1.26 in^2
Ix min.	9.68 in^4
Sx min.	2.53 in^3

5 FLOOR JOIST SECTION
SCALE: 3"=1'-0"

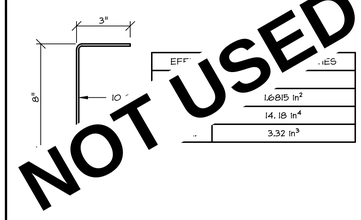
EFFECTIVE SECTION PROPERTIES	
A (GROSS)	.88 in^2
I_x min.	4.14 in^4
S_x min.	1.38 in^3

6 FRAME BLOCKING SECTION
SCALE: 3"=1'-0"



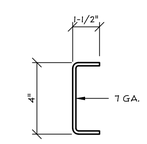
EFFECTIVE SECTION PROPERTIES	
A (GROSS)	1.05 in^2
Ix min.	.055 in^4
I_y min.	1.08 in^4
Sx min.	0.529 in^3
Sy min.	0.611 in^3

7 CEILING BEAM SECTION
SCALE: 3"=1'-0"



EFF	ES
	1.6815 in^2
	14.18 in^4
	3.32 in^3

8 OVERHANG BEAM
SCALE: 3"=1'-0"



EFFECTIVE SECTION PROPERTIES	
A (GROSS)	1.15 in^2
Ix min.	2.52 in^4
Sx min.	1.26 in^3

10 INTERMEDIATE CHANNELS
SCALE: 3"=1'-0"

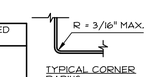
9

11

STEEL SPECIFICATION

1. ALL LIGHT GAGE STEEL SHALL BE ASTM A1011 GRADE 36. UNLESS OTHERWISE NOTED
2. STRUCTURAL STEEL TUBING SHALL BE ASTM A500 GRADE C Fy=50
3. ALL STRUCTURAL STEEL PLATES, ANGLES, CHANNELS, BARS & MISC. SHAPES SHALL CONFORM TO ASTM A36, UNLESS OTHERWISE NOTED.
4. ALL MACHINE BOLTS SHALL BE ASTM A307.
5. WELDING SHALL BE DONE PER AWS D 1.8 - SECTION 6.3 AND PER CBC SECTION 2212.A.2.3. WELD FILLER METALS SHALL BE CAPABLE OF PRODUCING WELD METAL WITH A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT-LB AT 0°F. WHERE BEAM BOTTOM FLANGES ATTACH TO COLUMNS WITH COMPLETE JOINT PENETRATION GROOVE WELDS AND WELD BACKING IS USED AT THE BOTTOM SURFACE OF THE BEAM FLANGE, SUCH BACKING SHALL BE REMOVED AND THE ROOT PASS BACK-GOUGED, REPAIRED AND REINFORCED WITH A MINIMUM 3/16" (5mm) FILLET WELD.
6. WELDING INSPECTION TO BE PER C.B.C. SECTION 1705A.2.5
7. SEE TESTS AND INSPECTIONS REPORT SHEET A0.1 FOR REQUIREMENTS.
8. LIGHT GAGE METAL & FRAMING THICKNESSES

GAGE	DESIGN THICKNESS	MIN. DELIVERED THICKNESS
7 GA. STEEL	0.1793"	0.170"
10 GA. STEEL	0.1240"	0.118"
12 GA. STEEL	0.1017"	0.0966"
14 GA. STEEL	0.0713"	0.0677"



TYPICAL CORNER RADIUS

9. MINIMUM STEEL THICKNESS SHALL NOT BE LESS THAN 95% OF THE DESIGN THICKNESS PER A151 - GENERAL AND A151 - NAS.

SHEATHING SPECIFICATION

1. ALL STRUCTURAL PLYWOOD AND ORIENTED STRAND BOARD SHALL BE MANUFACTURED TO PRODUCT STANDARD DOC PS-1 (PLYWOOD), DOC PS-2 (O.S.B.), INSPECTED AND GRADE MARKED AT THE MILL BY AN APPROVED QUALITY CONTROL AGENCY SUCH AS APA OR TECO.
2. ROOF SHEATHING SHALL BE 4'x 8'x 5/8" GRADE MARKED 40/20 SPAN INDEX, EXP. 1 (PLYWOOD OR OSB).
3. FLOOR SHEATHING SHALL BE 4'x 8'x 1-1/8" T & G APA RATED STURD-1-FLOOR OR EQUAL, SPAN RATING = 48"
4. WALL SHEATHING SHALL BE 3/8" HARD BOARD SIDING APA EXTERIOR TYPE 303 GROUP II M.D.O., EXTERIOR GROUP II, 1/2" APA RATED CDX PLYWOOD OR ORIENTED STRAND BOARD.
5. SEE FASTENER SCHEDULE, SHEET "S3FA".

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www.cysweng.com

01/16/2024
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THUR ERNEST REST
No. S2030
STRUCTURAL
STATE OF CALIFORNIA

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PITTSBURG ADULT EDUCATION CENTER

PITTSBURG UNIFIED SCHOOL DISTRICT

BI-PITCH ROOF, CEILING, & FLOOR FRAMING PLANS, STRUCTURAL STEEL PROPERTIES, NOTES

REV / DATE:	BY:

JOB No.:	
DRAWN BY:	
DATE:	

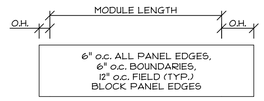
S2

12"x40" P.C.

FOR BUILDINGS ON WOOD ~~OR CONCRETE~~ FOUNDATIONS

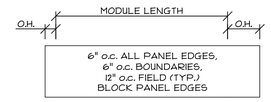
SCREWS - #10 S.M.S. (AISI S400-15, SECTION F)

NOTE: SCREWS SHALL EXTEND THROUGH STEEL WITH A MIN. OF (3) EXPOSED THREADS.

		65 PSF
SUBFLOORING	1-1/8" APA RATED T&G STURD-I-FLOOR TO STEEL BEAMS & JOISTS	6" o.c. ALL PANEL EDGES 6" o.c. BOUNDARIES 12" o.c. FIELD BLOCK PANEL EDGES **BLOCKED DIAPHRAGM**
ROOF	5/8" APA RATED PLYWOOD OR ORIENTED STRAND BOARD TO PURLINS & BEAMS	 **BLOCKED DIAPHRAGM**

FOR BUILDINGS ON WOOD ~~OR CONCRETE~~ FOUNDATIONS

E.T.& F. - AKN 144 x 1 3/4" PIN (UES ER 335)

		65 PSF
SUBFLOORING	1-1/8" APA RATED T&G STURD-I-FLOOR TO STEEL BEAMS & JOISTS	6" o.c. ALL PANEL EDGES, 6" o.c. BOUNDARIES, 12" o.c. FIELD (TYP.) BLOCK PANEL EDGES **BLOCKED DIAPHRAGM**
ROOF	5/8" APA RATED PLYWOOD OR ORIENTED STRAND BOARD TO PURLINS & BEAMS	 **BLOCKED DIAPHRAGM**

WALL TO FRAME FASTENING:

- WALL PANEL TOP PLATE TO PERIMETER ROOF BEAM. ..... (1) 1/4"ø x 2 1/2" LAG SCREWS FROM ROOF BEAM BOTT. FLANGE INTO TOP PLATE @ 15" o.c. MAX.
- WALL PANEL BOTTOM PLATE TO PERIMETER FLOOR BEAM. ..... 1/4"-20 TEKS/4 SCREWS @ 24" o.c. FROM BOTTOM PLATE INTO FLOOR BEAM TOP FLANGE OR EACH FLOOR JOIST TOP FLANGE.
- WALL PANEL SIDE STUDS TO HSS CORNER COLUMNS ..... #12-24 x 2 1/2" S.D.S. @ 16" o.c. FROM SIDE STUD INTO STEEL CORNER COLUMN.
- TOP AND BOTTOM PLATE TO STUDS AND KING STUDS ..... (3) J35 x 3 1/4" LONG MACHINE NAIL
- DOUBLE STUDS, TRIMMERS, SILLS AND CRIPPLES STITCH NAILED ..... J35 x 3 1/4" LONG MACHINE NAILS @ 8" o.c.
- CRIPPLES, TRIMMERS END NAILED TO PLATES AND SILLS. ..... (3) J35 x 3 1/4" LONG MACHINE NAIL EA. END
- CRIPPLES, TRIMMERS NAILED TO HEADERS. ..... (3) J35 x 3 1/4" LONG MACHINE NAIL
- ALL HANGERS, STRAPS, CLIPS, ETC. ..... NAILED AS PER MANUFACTURERS SPECS.
- FASTENING CONDITIONS NOT ADDRESSED ABOVE ..... TABLE 2304.10.2, 2022 C.B.C.

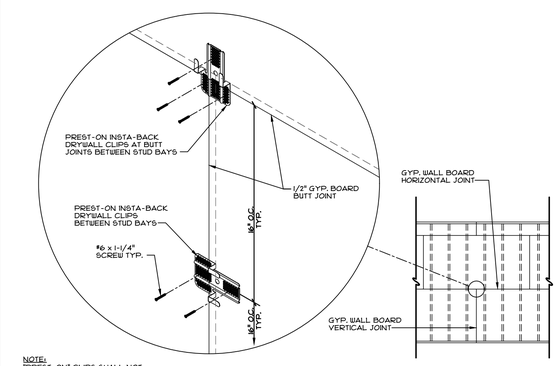
SHEATHING NAILING & NOTES:

1. DO NOT CRUSH SHEATHING FACE PLY (OUTER VENEER LAYER) BY OVER DRIVING SCREWS, MACHINE, OR HAND NAILS.
2. UNDER DRIVEN NAILS SHALL BE CORRECTED BY HAND SET.
3. REMOVE AND REPLACE NAILS DRIVEN THAT MISS FRAMING OR SUPPORT.
4. ALL CORRECTIVE NAILING SHALL BE DONE BY HAND NAILING.
5. H.D.G = HOT DIPPED GALVANIZED WITH MINIMUM COATING OF 1 OZ PER SQ. F.T OF ZINC. OR MECHANICALLY GALVANIZED PER ASTM. F-1667.
6. FOR BLOCKED DIAPHRAGMS, BLOCK PANEL EDGES PER 11/S4.1.
7. MINIMUM SHEATHING PANEL WIDTH SHALL BE 24"

EXTERIOR WALL SIDING & UNDERLAYMENT	
EXTERIOR SIDING UNDERLAYMENT: PLYWOOD OR OSB SHEATHING	INTO WOOD STUDS; J31" x 2 1/2" @ 6" o.c. PANEL EDGES, 12" o.c. IN FIELD. (H.D.G. OR MECH. GALV. NAILS, PER ASTM F-1667). INTO STEEL COLUMNS; #12-24 x 2" S.D.S. @ 24" o.c.

GYPSUM WALLBOARD	
1/2" GYP. BOARD TO 2x4, ~~6x6, OR 2x6~~ STUDS	FASTENING OPTIONS: J21 x 1 1/2" COATED NAILS @ 8" o.c. EDGES, 8" o.c. IN FIELD. #6 x 1-1/4" COARSE THREAD, BUGLE HEAD SCREWS @ 8" o.c. EDGES, 8" o.c. IN FIELD. "PREST-ON" INSTA-BACK, DRYWALL SUPPORTING CLIPS INSTALLED IN COMPLIANCE WITH ICC ESR-1812, SEE DETAIL 1 THIS SHEET

OVERHANG SOFFIT	
1/2" APA RATED SHEATHING	#8 x 1" S.M.S. @ 6" o.c. EDGES, 12" o.c. IN FIELD (PRE-PUNCHED HOLES IN STEEL)



NOTE:
"PREST-ON" CLIPS SHALL NOT BE USED FOR JOINTS AT CEILINGS, WALL TO CEILING, WALL AT CORNERS, OR WALL TO FLOOR.

1 "PREST-ON" INSTA-BACK DRYWALL CLIPS
SCALE: NTS

PRE-CHECK (PC) DOCUMENT
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A separate project application for construction is required.

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01/16/2024
12/14/2023

REGISTERED PROFESSIONAL ENGINEER
ARTHUR ERNEST REST
No. S2030
STRUCTURAL
STATE OF CALIFORNIA

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FASTENING SCHEDULE & NOTES

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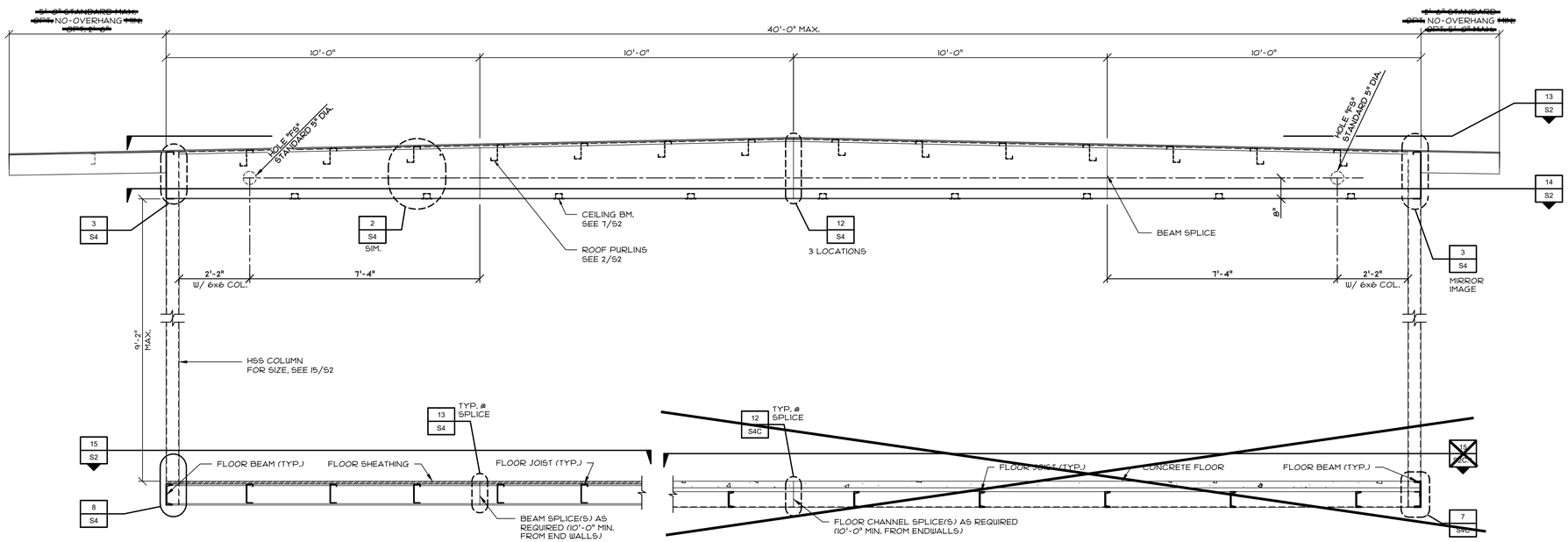
DATE:	

S3FA

12"x40" P.C.



1 TYPICAL LONGITUDINAL FRAME SECTION - BI-PITCH ROOF

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

SHEET REFERENCES

WHERE DETAIL "A4" IS CALLED OUT.

STUD SIZE	W/O OHG.	~~W/ OHG.~~	~~HR FIRE BARRIER~~
2x4	A4	~~A14~~	N/A
~~2x6~~	~~A14~~	~~A15~~	~~A15 OR A16~~

NOTE:
1) SEE SHEET S3FA FOR NAILING SCHEDULE.
2) SEE 18/S4.1 FOR WALL STUD BORING/NOTCH LIMITATIONS.

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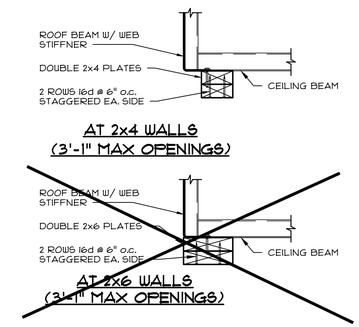
2 SHEET NOTES



NOTE:
FOR HEADER CONFIGURATIONS SEE
1) SUSPENDED CANOPY - SEE 12/WC2.
2) AWNING - PER THIS DETAIL.

12 ~~WINDOW~~ HEADER CONFIGURATIONS

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

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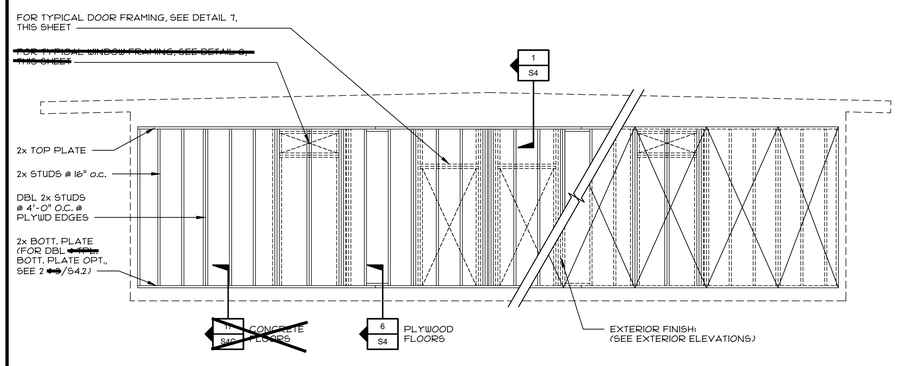
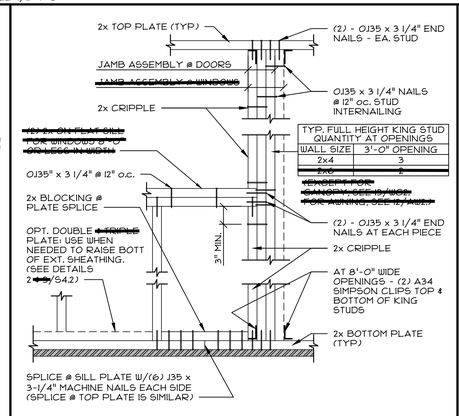


3 TYPICAL SIDEWALL FRAMING ELEVATION

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



TYP. FULL HEIGHT KING STUD QUANTITY AT OPENINGS

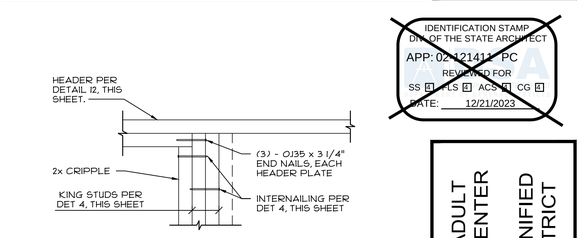
WALL SIZE	3'-0" OPENING
2x4	3
~~2x6~~	~~2~~

~~NUMBER FOR SLIDING - SEE 10/WC1 FOR AWNING, SEE 12/WC2.~~

4 TYPICAL STUD NAILING DETAIL

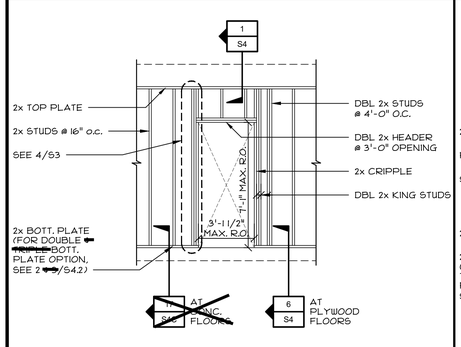
SCALE: 1"=1'-0"

5



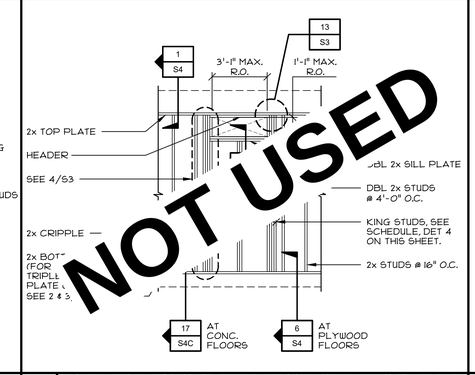
13 HEADER END CONNECTION

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



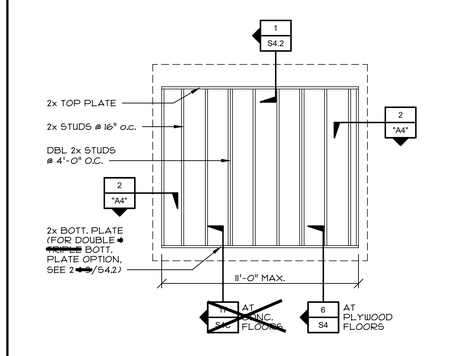
7 TYP. FRAMING - EXTERIOR DOOR

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



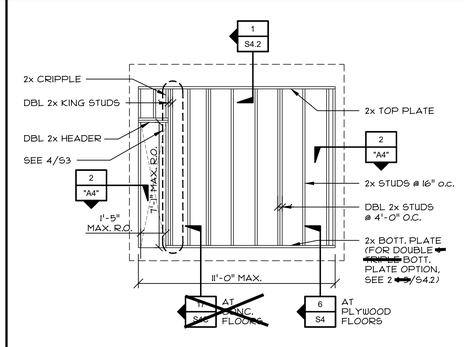
8 TYP. FRAMING - EXTERIOR WINDOW

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



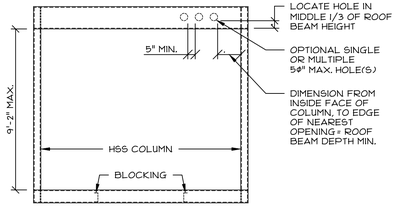
9 TYP. ENDWALL FRAMING

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



10 TYP. ENDWALL WITH EXTERIOR DOOR

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



6 END FRAME ELEVATION

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

PRE-CHECK (PC) DOCUMENT
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A separate project application for construction is required.

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BI-PITCHED ROOF LONGITUDINAL BUILDING SECTION, WALL FRAMING ELEVATIONS, END FRAME ELEVATION

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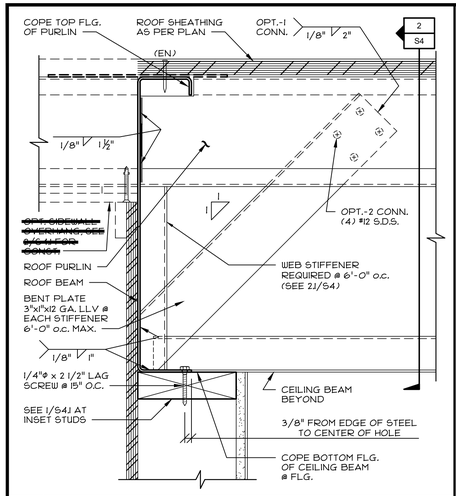
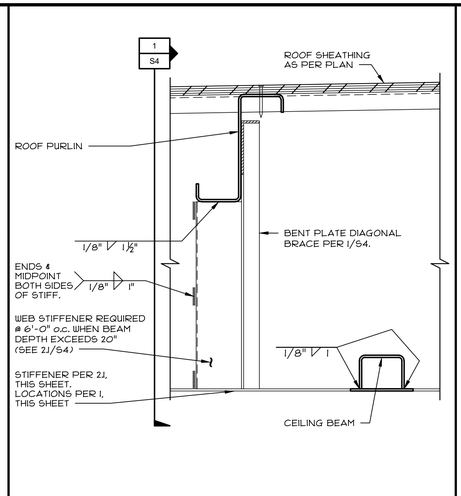
S3

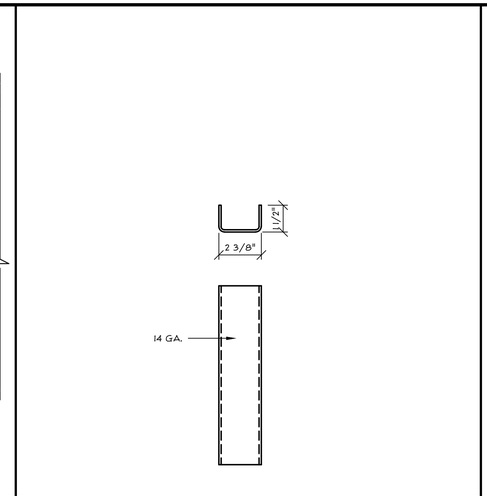
12"x40" P.C.



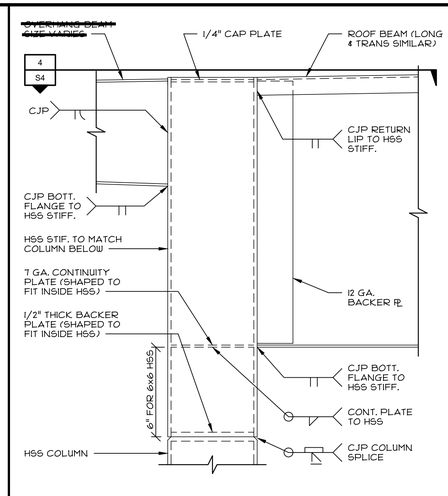
1 ROOF BEAM SECTION @ PURLIN
SCALE: 3"=1'-0"



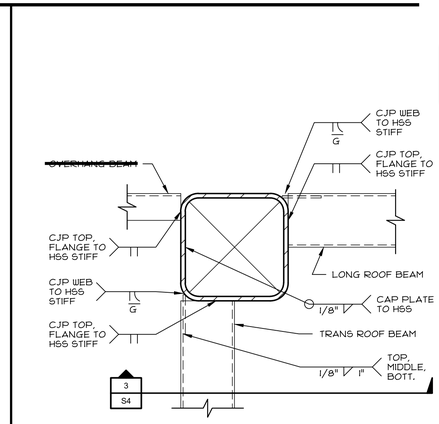
2 PURLIN TO STIFFENER AT BEAM
SCALE: 3"=1'-0"



2.1 ROOF BEAM STIFF
SCALE: 3"=1'-0"

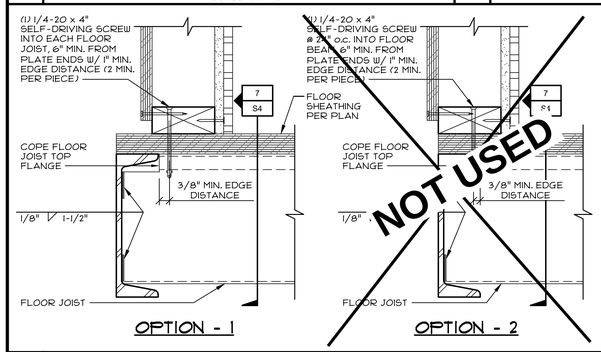


3 ROOF BEAM @ CORNER - SECTION
SCALE: 3"=1'-0"



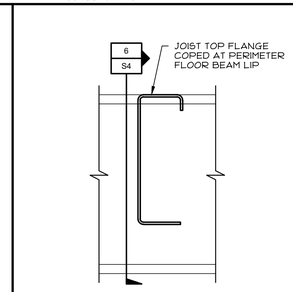
PLAN VIEW

4 ROOF BEAM @ CORNER
SCALE: 3"=1'-0"



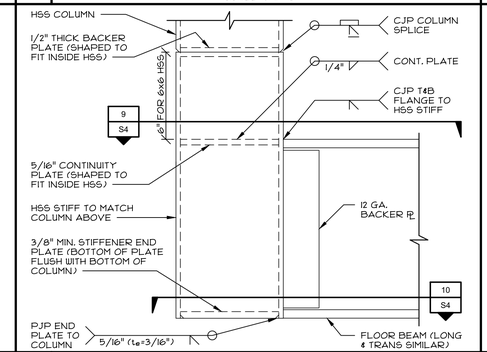
OPTION - 1 OPTION - 2

6 FLOOR JOIST & BOTTOM PLATE CONNECTION
SCALE: 3"=1'-0"

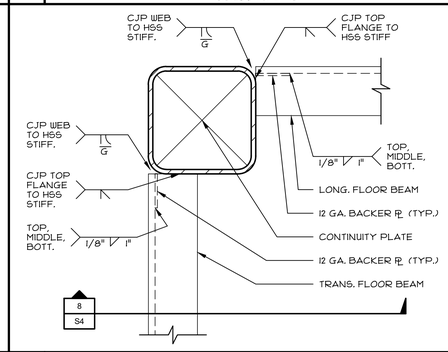


FOR CLARITY, FLOOR SHEATHING IS NOT SHOWN.

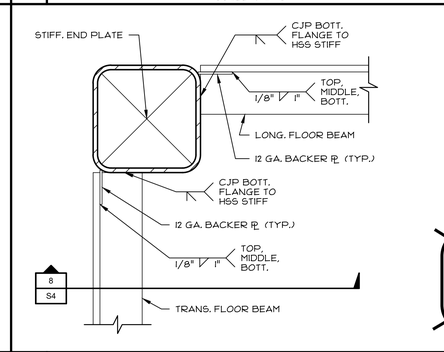
7 FLR. JOIST TO BEAM
SCALE: 3"=1'-0"



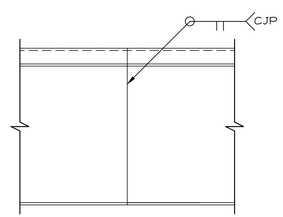
8 FLOOR BEAM @ CORNER - SECTION
SCALE: 3"=1'-0"



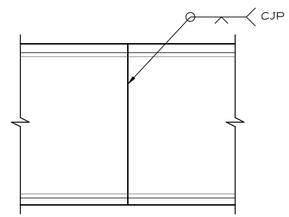
9 FLOOR BEAM TOP FLANGE
SCALE: 3"=1'-0"



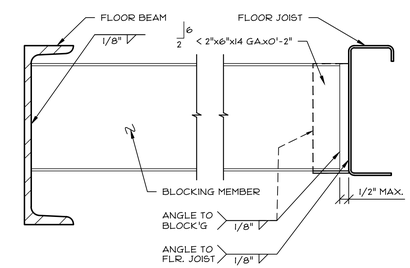
10 FLOOR BEAM BOTTOM FLANGE
SCALE: 3"=1'-0"



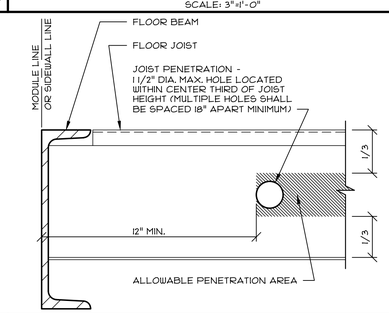
12 ROOF BEAM SPLICE DETAIL
SCALE: 3"=1'-0"



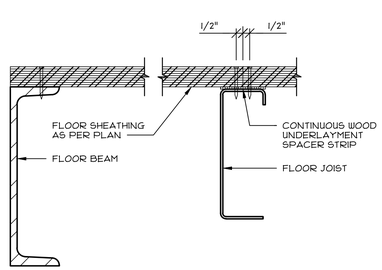
13 FLOOR BEAM SPLICE DETAIL
SCALE: 3"=1'-0"



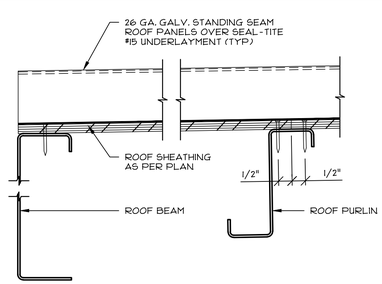
14 BLOCKING MEMBER CONNECTION
SCALE: 3"=1'-0"



18 FLOOR JOIST PENETRATION
SCALE: 3"=1'-0"



15 FLOOR SHEATHING ATTACHMENT
SCALE: 3"=1'-0"



NOTE: THIS ROOF MEETS CLASS 'B' FIRE RATING

16 ROOF SHEATHING ATTACHMENT
SCALE: 3"=1'-0"

17

NOTES:

1. ALL EXTERIOR WALL SHEATHING/SIDING SHALL BE INSTALLED OVER CLASS I OR II VAPOR BARRIER.
2. FOR FASTENER SCHEDULE, SEE SHEET S3FA

19 SHEET NOTES

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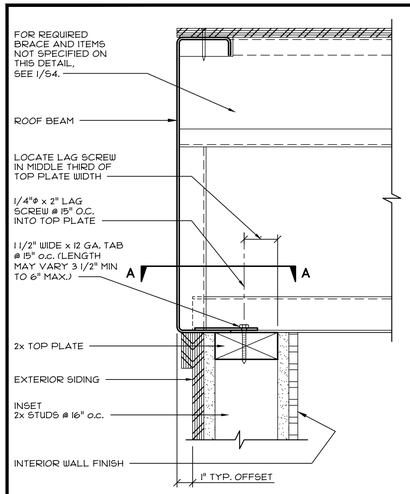
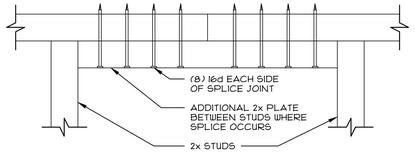
REV / DATE:	BY:

JOB No.:	
DRAWN BY:	
DATE:	

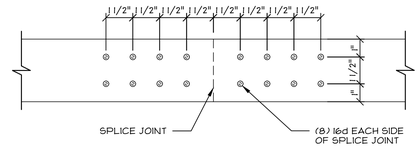
S4

12x40 P.C.

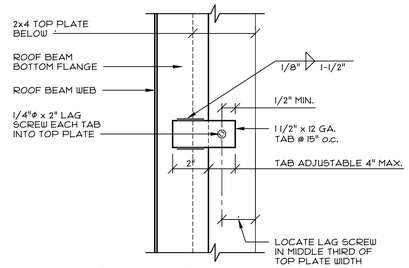




ELEVATION - TOP PLATE SPLICE



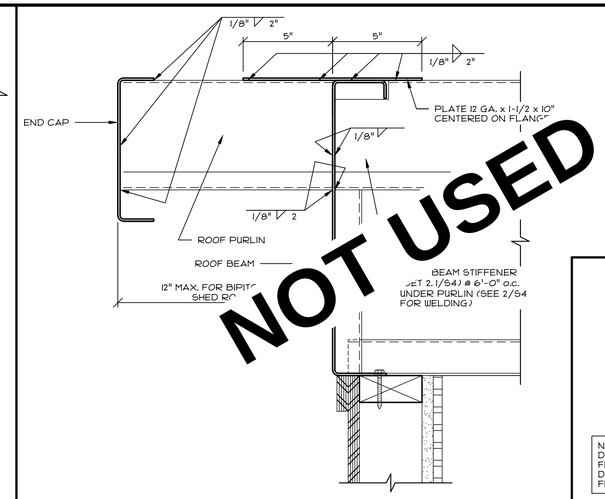
PLAN - TOP PLATE SPLICE



PLAN VIEW "A-A"

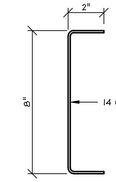
1 INSET STUDS - TOP PLATE CONNECTION

SCALE: 3"=1'-0"



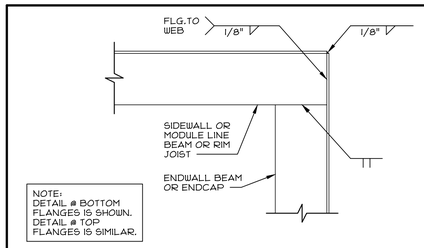
2 SIDEWALL OVERHANG DETAIL

SCALE: 3"=1'-0"



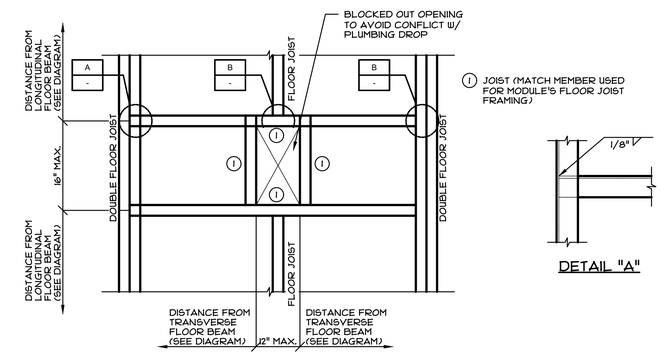
END CAP SECTION PROPERTIES

EFFECTIVE SECTION PROPERTIES	
A	0.84 in²
Ix min.	6.34 in⁴
Sx min.	1.49 in³



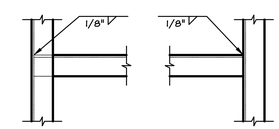
15 TYP. CHANNEL BEAM @ CORNERS

SCALE: 3"=1'-0"

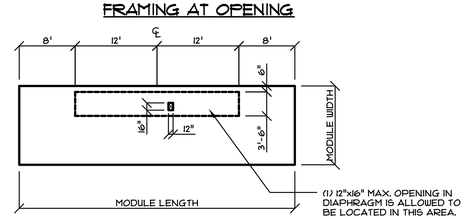


(I) JOIST (MATCH MEMBER USED FOR MODULE'S FLOOR JOIST FRAMING)

FRAMING AT OPENING



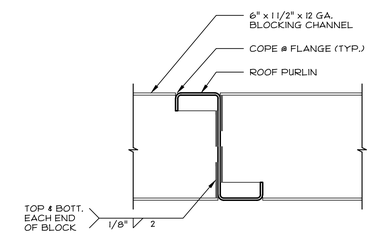
DETAIL "A" DETAIL "B"



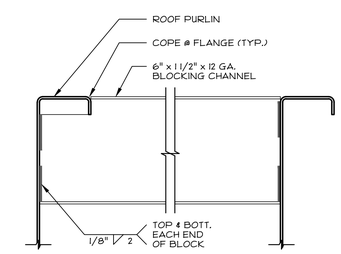
ALLOWABLE LOCATION DIAGRAM

4 FLOOR JOIST PLUMBING BLOCK-OUT

SCALE: NOT TO SCALE



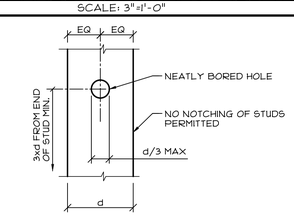
BETWEEN PURLINS



BETWEEN BEAMS

11 TYP. CHANNEL BLOCK INSTALLATION

SCALE: 3"=1'-0"



18 STUD BORING/NOTCH LIMITATIONS

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

PRE-CHECK (PC) DOCUMENT
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DATE: 2/13/2024

CYS STRUCTURAL ENGINEERS INC.
2440 Natomas Park Drive, Suite 600
Sacramento, Ca. 95833
(916) 564-4400 Fax 564-4402
www.cysweng.com

01/16/2024
12/14/2023

REGISTERED PROFESSIONAL ENGINEER
ARTHUR ERNEST REST
No. S2030
STRUCTURAL
STATE OF CALIFORNIA

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PITTSBURG ADULT EDUCATION CENTER
PITTSBURG UNIFIED SCHOOL DISTRICT

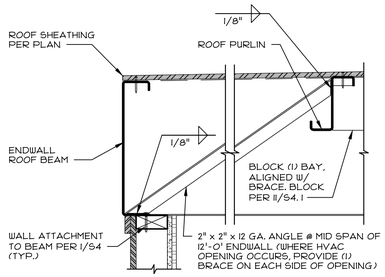
OPTIONAL STRUCTURAL DETAILS

REV / DATE:	BY:

JOB No.:	
DRAWN BY:	
DATE:	

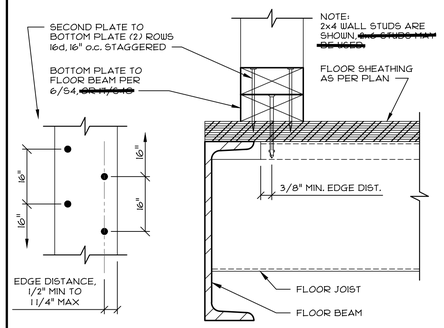
12"x40" P.C.

S4.1

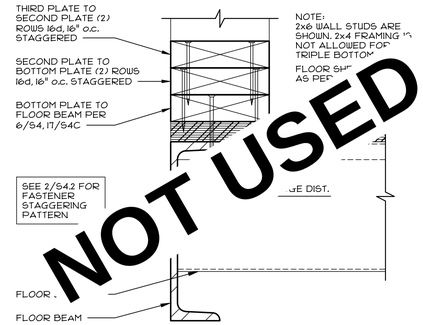


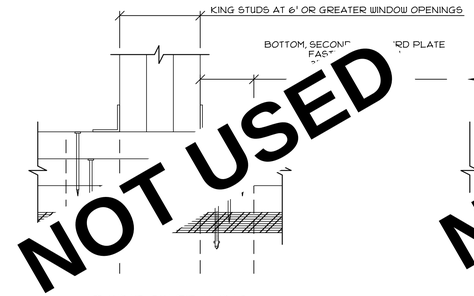
FOR FASTENER SCHEDULE, SEE SHEET "S3FA"

1 ENDWALL DIAGONAL BRACE
SCALE: 1 1/2"=1'-0"

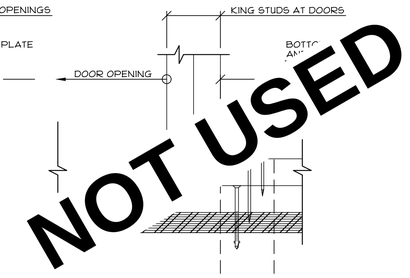


2 DOUBLE BOTTOM PLATE OPTION
SCALE: 3"=1'-0"



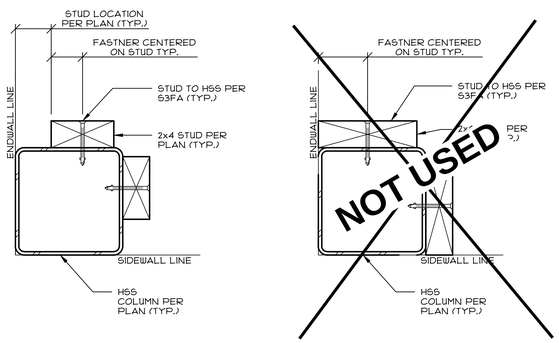


AT WINDOW FRAMING



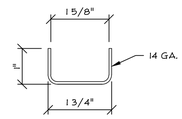
AT DOOR FRAMING

3 TRIPLE BOTTOM PLATE OPTION
SCALE: 3"=1'-0"

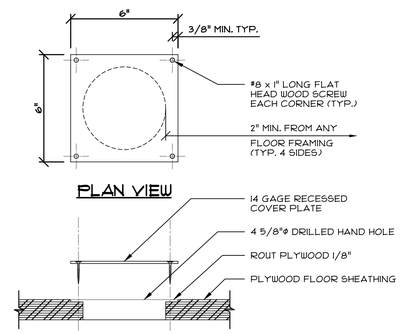


6 WALL STUD TO HSS @ CORNER
SCALE: 3"=1'-0"

7



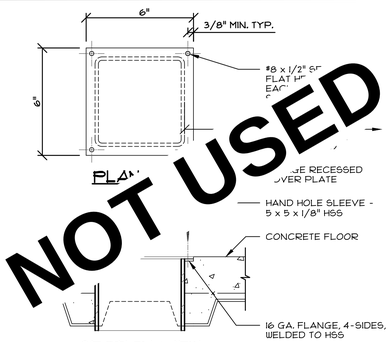
8 MISCELLANEOUS TRACK
SCALE: 6"=1'-0"



PLAN VIEW

SECTION VIEW

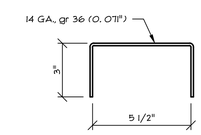
4 HAND ACCESS HOLE - PLYWOOD
SCALE: 3"=1'-0"



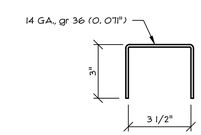
PLAN

SECTION VIEW

5 HAND ACCESS HOLE - CONCRETE
SCALE: 3"=1'-0"



SECTION PROPERTIES	
A	0.811 in^2
Ix min.	0.202 in^4
Sx min.	0.139 in^3
Iy min.	3.156 in^4
Sy min.	0.956 in^3



EFFECTIVE SECTION PROPERTIES	
A	0.669 in^2
Ix min.	0.217 in^4
Sx min.	0.150 in^3
Iy min.	1.129 in^4
Sy min.	0.511 in^3

13 SECT. PROP. - SLIP TRACKS
SCALE: 3"=1'-0"

11

11.1

PRE-CHECK (PC) DOCUMENT
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Sacramento, Ca 95833
(916) 565-4500 Fax 565-4510
www.cysengr.com

01/16/2024
12/14/2023

REGISTERED PROFESSIONAL ENGINEER
ARTHUR ERNEST RIES
No. S2030
STRUCTURAL
STATE OF CALIFORNIA

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PITTSBURG UNIFIED SCHOOL DISTRICT

MISCELLANEOUS STRUCTURAL DETAILS

REV / DATE:	BY:

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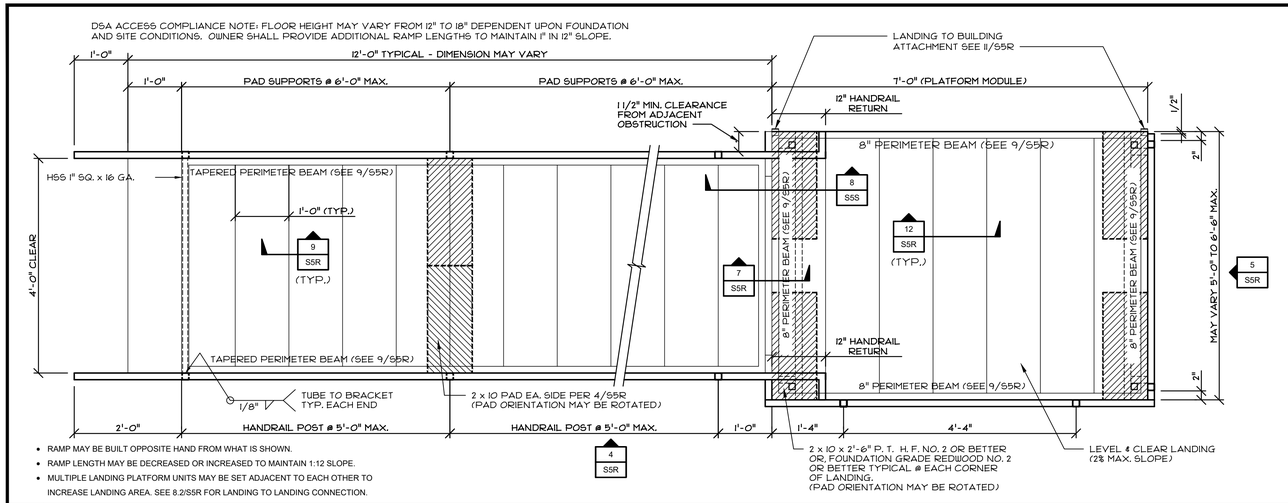
DATE:	

S4.2

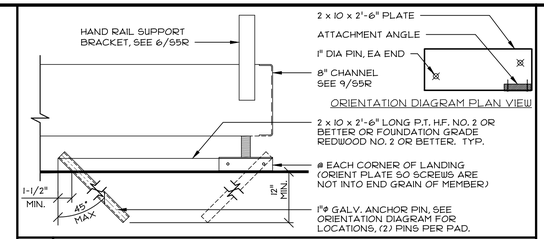
12"x40" P.C.



- RAMP MAY BE BUILT OPPOSITE HAND FROM WHAT IS SHOWN.
- RAMP LENGTH MAY BE DECREASED OR INCREASED TO MAINTAIN 1:12 SLOPE.
- MULTIPLE LANDING PLATFORM UNITS MAY BE SET ADJACENT TO EACH OTHER TO INCREASE LANDING AREA. SEE 8.2/S5R FOR LANDING TO LANDING CONNECTION.

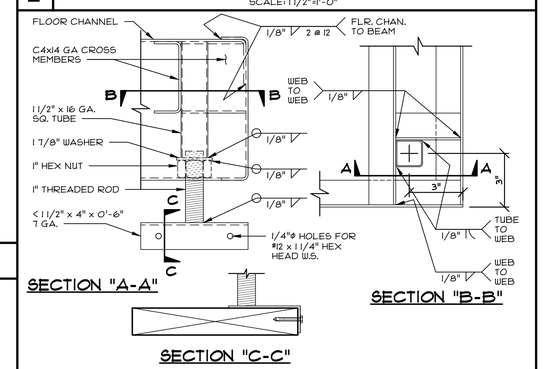
1 RAMP & LANDING PLAN

SCALE: 3/4"=1'-0"



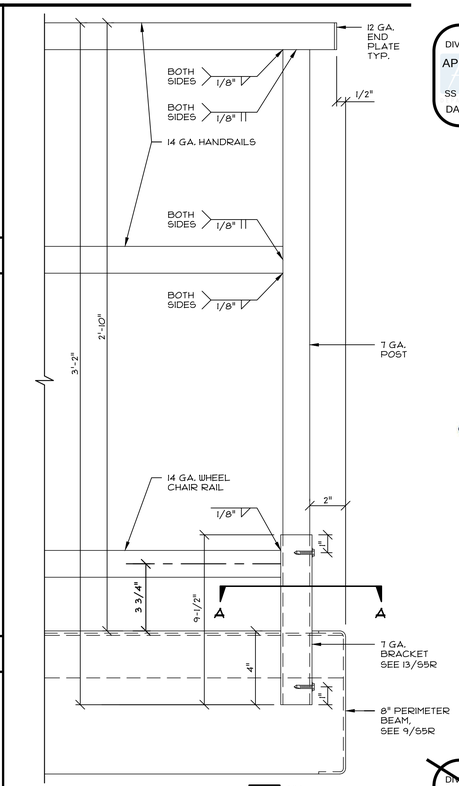
2 LANDING BASE

SCALE: 11/2"=1'-0"



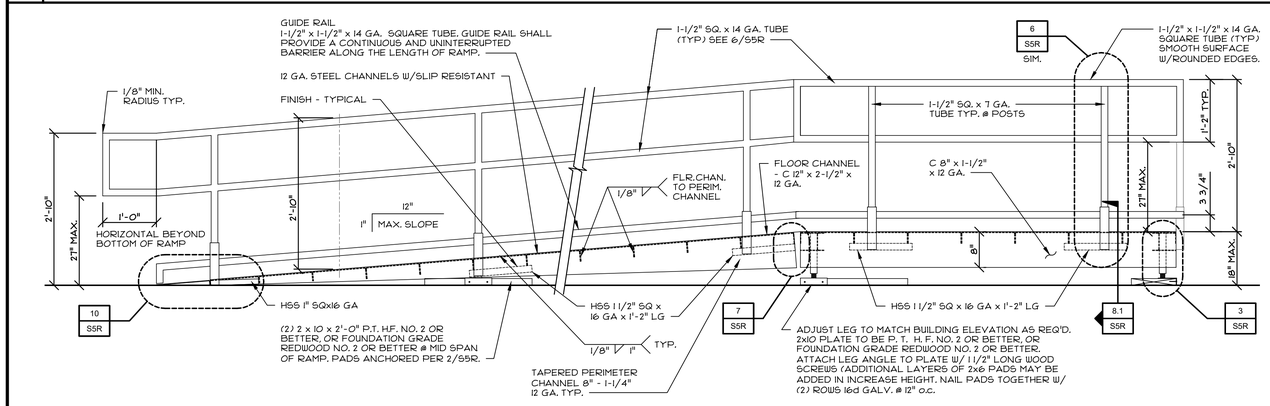
3 PLATFORM BASE & ADJUST LEG DETAIL

SCALE: 3"=1'-0"



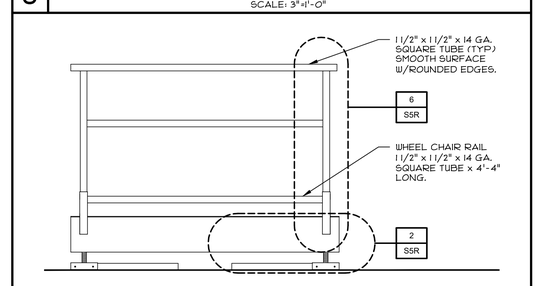
6 HANDRAIL SUPPORT BRACKET

SCALE: 3"=1'-0"



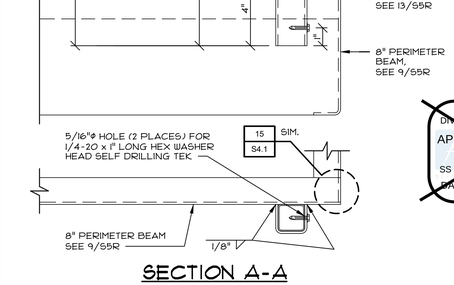
4 RAMP & PLATFORM SIDE ELEVATION

SCALE: 3/4"=1'-0"

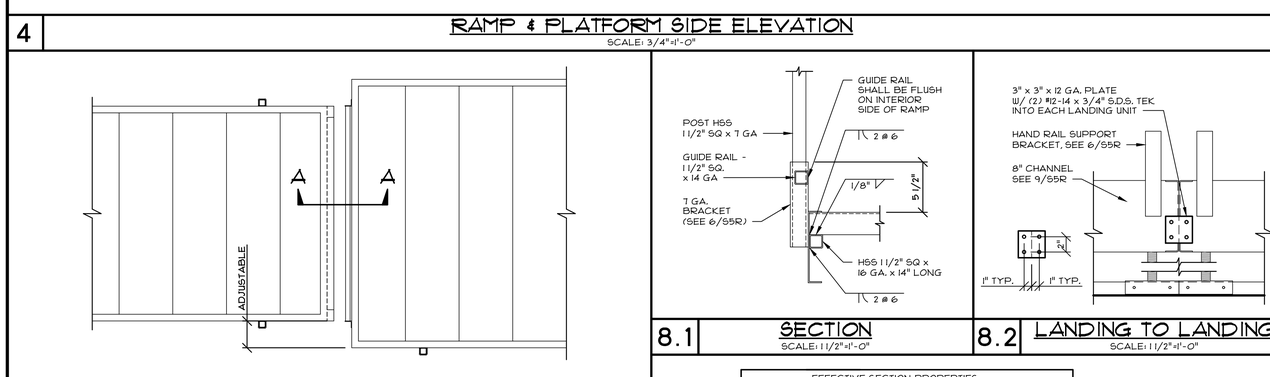


5 PLATFORM END ELEVATION

SCALE: 3/4"=1'-0"



SECTION A-A

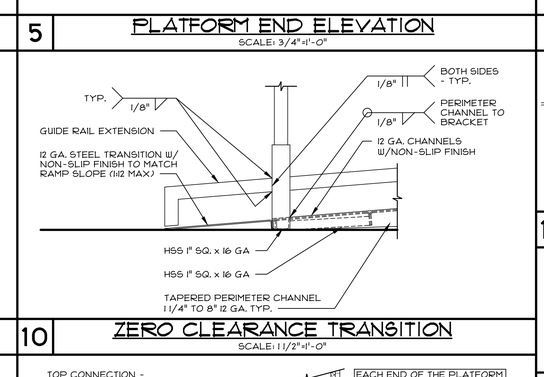


8.1 SECTION

SCALE: 11/2"=1'-0"

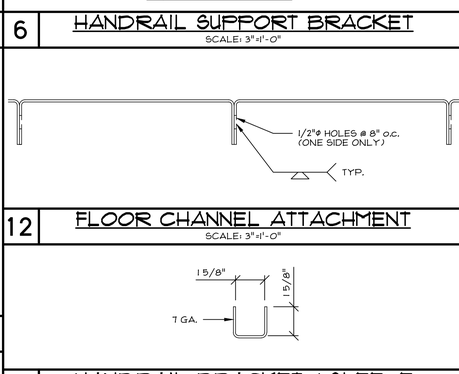
8.2 LANDING TO LANDING

SCALE: 11/2"=1'-0"



10 ZERO CLEARANCE TRANSITION

SCALE: 11/2"=1'-0"

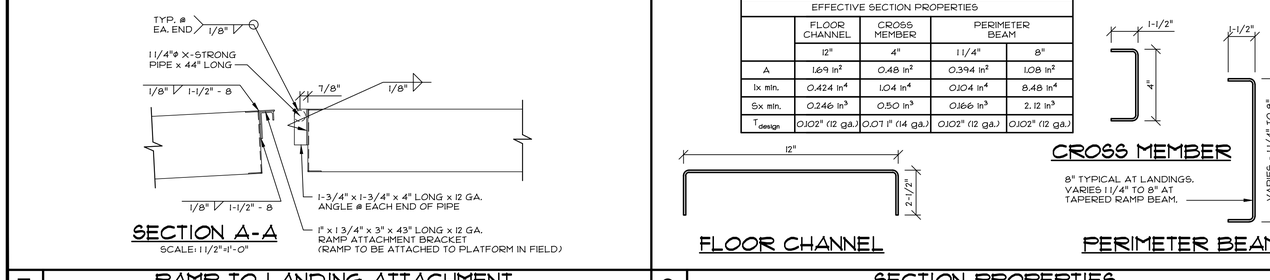


12 FLOOR CHANNEL ATTACHMENT

SCALE: 3"=1'-0"

13 HANDRAIL BRACKET / SLEEVE

SCALE: 3"=1'-0"



SECTION A-A

SCALE: 11/2"=1'-0"

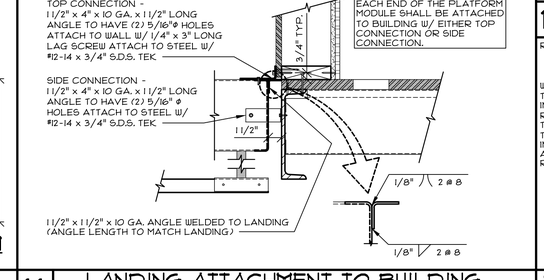
FLOOR CHANNEL

CROSS MEMBER

8" TYPICAL AT LANDINGS. VARIES 11/4" TO 8" AT TAPERED RAMP BEAM.

PERIMETER BEAM

EFFECTIVE SECTION PROPERTIES				
	FLOOR CHANNEL	CROSS MEMBER	PERIMETER BEAM	
	12"	4"	11/4"	8"
A	1.69 in^2	0.48 in^2	0.394 in^2	1.08 in^2
Ix min.	0.424 in^4	1.04 in^4	0.104 in^4	8.48 in^4
Sx min.	0.246 in^3	0.50 in^3	0.166 in^3	2.12 in^3
T_{design}	0.102" (12 ga.)	0.07 1" (14 ga.)	0.102" (12 ga.)	0.102" (12 ga.)



11 LANDING ATTACHMENT TO BUILDING

SCALE: 11/2"=1'-0"

9 SECTION PROPERTIES

SCALE: 3"=1'-0"

RAMP DESIGN CRITERIA:

RAMP: DEAD LOAD - 5.0 PSF

RAMP: LIVE LOAD - 100.0 PSF

WELDING INSPECTION:

THE DESIGN PROFESSIONAL HAS EXEMPTED RAMP/PLATFORM/STAIRS FROM SPECIAL INSPECTION REQUIREMENTS FOR MATERIAL IDENTIFICATION AND STRUCTURAL WELDING. RAMP/PLATFORM/STAIRS SHALL NOT BE MODIFIED NOR HAVE SHIMS ADDED CAUSING THE DISTANCE BETWEEN THE HIGHEST RAMP WALKING SURFACE AND ADJACENT GRADE TO BE MORE THAN 30". IF THIS CONDITION IS NOT MET, STRUCTURAL TESTING AND/OR INSPECTION WILL BE REQUIRED TO VERIFY MATERIALS AND STRUCTURAL WELDING. THIS APPLIES TO SCOPES OF WORK INCLUDING NEW CONSTRUCTION, ALTERATION, OR RELOCATION OF THE RAMP.

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STOCKTON, CA. 95215
(209) 466-8000

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121411 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☑
DATE: 12/21/2023

PITTSBURG ADULT EDUCATION CENTER

PITTSBURG UNIFIED SCHOOL DISTRICT

ACCESSIBLE RAMP & PLATFORM DETAILS

REV / DATE:	BY:

JOB No.:

DRAWN BY:

DATE:

S5R

12 x 40" P.C.