IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122652 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/21/2022

ENVIROPLEX, INC.

STEEL ORDINARY MONENT RESISTING FRAME MODULAR BUILDING

~~24'x40' TO 120'x40' (4800 S.F.)~~

(1) 36' X 40' (1,440)
FOR
STANDARD ELEMENTARY SCHOOL - 115 E. MINNER AVE., BAKERSFIELD, CA. 93308
(SN. # 24795 - 24797)

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 103-19)

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	1a	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
	COMPACTED FILLS see note 4	2a	Perform classification and testing of fill materials.				X	X		X
		2b	Verify use of proper materials, densities and inspect lift thicknesses, placement and compaction during placement of fill.				X	X		X
		2c	Compaction testing.				X	X		X
		6a	Soil improvements				X	X		X
		6b	Inspection of soil improvements				X	X		X
CONCRETE	CONCRETE FILLED DECK	7a	Verify use of required design mix.		X			X		
		7b	Identifiy, sample, and test reinforcing steel. See Note 1 for waiver.		X			X		
		7c	During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.		X			X		
		7d	Test concrete (f'c).		X			X		
		7e	Batch plant inspection - continuous. See Note 7 for waiver.		X			X		
		12	Inspect placement of concrete, reinforcing and embedded items in elevated floor - by RBIP.		X			X		
	FOUNDATION	7a	Verify use of required design mix.				X	X		X
		7b	Identifiy, sample, and test reinforcing steel. See Note 1 for waiver.				X	X		X
		7c	During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.				X	X		X
		7d	Test concrete (f'c).				X	X		X
		7e	Batch plant inspection - continuous. See Note 7 for waiver.				X	X		X
STRUCTURAL STEEL	VERIFICATION OF MATERIALS, EQUIPMENT, WELDERS, ETC.	17a	• 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		
		17b	Test unidentified materials	X	X	X	X	X		
		17c	Examine seam welds of HSS shapes	X	X	X	X	X		
		17d	Verify and document steel fabrication per DSA approved construction documents.	X	X	X	X	X		
		19a	Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	X	X	X	X	X		X
		19b	Verify weld filler material manufacturer's certificate of compliance.	X	X	X	X	X		X
		19c	Verify WPS, welder qualifications and equipment.	X	X	X	X	X		X
	SHOP WELDING See Note 3	19.1a	Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds	X	X	X	X	X		
		19.1b	Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds	X	X	X	X	X		
		19.1c	Inspect welding of stairs and railing systems.	X	X	X	X	X		
		19.1d	Verfication of reinforcing steel weldability other than ASTM 706				X	X		X
		19.1e	Inspect welding of reinforcing steel.				X	X		X
		19.2c	Inspect end-welded studs (ASTM A-108) installation (including bend test).				X	X		
		19.2d	Inspect floor and roof deck welds.		X			X		
		19.2e	Inspect welding of structural cold-formed steel. Periodic/Special Inspector.	X	X	X	X	X		
	FIELD WELDING See Note 3	19.2a	Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds			X	X	X		X
		19.2b	Inspect single-pass fillet welds ≤ 5/16"			X	X	X		X
		19.2f	Inspect welding of stairs and railing systems			X	X	X		X
	NON-DESTRUCT. TESTING	20a	Ultrasonic. See note 8	X	X	X	X	X		
		20b	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.

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. (2019 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.
8. THIS PC IS APPROVED FOR CLIMATE ZONES 1 THROUGH 15.
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. 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.
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 ROVIDED THAT INDICATES THERE ARE NO GEOLOGIC HAZARDS AT THE SITE.

DSA GENERAL NOTES

1. ALL MATERIALS & WORKMANSHIP SHALL CONFORM TO THE 2019 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 2019 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 2019 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 SECTION 4-336, 4-341(f), 342(b)(9), 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, 2019 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.

OPT. COMBINATIONS ALLOWED

Option combination table
24'x40' to 120'x40' PC

☒ 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.
▨ not applicable / not allowed.

		Roof: Bi-Pitch	Roof: Shed	Roof: Variable Pitch	Roof: Plant on fasica	Foundation: Concrete	Foundation: 50# wood (48'x40' bldg max)	Foundation: 65# wood (48'x40' bldg max)
Exterior finish	Standard MDO w/ vertical grooves, cement board siding, lap siding, wood clad siding							
	Stucco-o-flex						▨	▨
	3-coat stucco: N/A at 2x4 stud walls - see sheet A4B.1			X		X	▨	▨
Roof slope	Bi-pitch		▨	▨				
	Shed	▨		▨				
	Variable pitch	▨	▨	X	▨	X	▨	▨
Roof facades	Plant on fasica (all ext. finishes allowed)			▨	▨		▨	▨
Roof overhangs	Transverse endwalls			X		X		
	Longitudinal sidewalls			X	▨	X		
Roof skylights	Sol-a-tubes			X		X		
Suspended canopies								
Awnings - see sheet AW2 for wall stud size requirements								
Floor load (see framing plans for joist spacing)	50 psf							
	65 psf			X		X	▨	
	125 psf						▨	▨
	150 psf						▨	▨
Floor construction	1 1/8" plywood sheathing							
	Concrete poured in pan			X		X	▨	▨
	Level rock over plywood sheathing						▨	▨
Exterior wall construction	2x4 wood studs (see restrictions below)			▨	▨			
	2x6 wood studs			X		X		
	2x8 wood studs							
Fire rated const.	NR/Sprinklered							
	Fire barriers (int & ext., multiple walls)							
HVAC	Wall mount			X		X		
	Interior							
	Roof mount							

Notes:
1) If optional windows and doors are to be provided as indicated on sheet A1.0 for the site specific project, then new energy reports will be required to be submitted with the site specific project application prior to receiving approval by DSA.
2) 2x4 wood studs are NOT allowed for exterior walls on concrete floor.
3) Exterior recessed walls are only applicable at 2x4 wood studs on plywood floor sheathing.

GOVERNING CODES

2019 CALIFORNIA ADMINISTRATIVE CODE (CAC) (PART 1, TITLE 24, CCR)

2019 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1 AND 2 (PART 2, TITLE 24, CCR)
(2018 INTERNATIONAL BUILDING CODE WITH 2019 CALIFORNIA AMENDMENTS)

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

2019 CALIFORNIA ELECTRICAL CODE (PART 3, TITLE 24, CCR)
(2017 NATIONAL ELECTRICAL CODE WITH 2019 CALIFORNIA AMENDMENTS)

2019 CALIFORNIA MECHANICAL CODE (CMC) (PART 4, TITLE 24, CCR)
(2018 IAPMO UNIFORM MECHANICAL CODE WITH 2019 CALIFORNIA AMENDMENTS)

2019 CALIFORNIA PLUMBING CODE (CPC) (PART 5, TITLE 24, CCR)
(2018 IAPMO UNIFORM PLUMBING CODE WITH 2019 CALIFORNIA AMENDMENTS)

2019 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR).

2019 CALIFORNIA FIRE CODE (CFC) (PART 9, TITLE 24, CCR).
(2018 INTERNATIONAL FIRE CODE WITH 2019 CALIFORNIA AMENDMENTS)

2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (PART 11, TITLE 24, CCR)

2019 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)

NFPA 13 - 2016 - SEE CBC CHAPTER 35.

NFPA 72 - 2016 - SEE CBC CHAPTER 35.

BUILDING DATA

CONSTRUCTION TYPE:	V-B
OCCUPANCY:	~~"B" or~~ "E"
BUILDING AREA:	1,440 S.F. ~~960 TO 4800 S.F.~~ NOMINAL
NUMBER OF STORIES:	1

SHEET INDEX

SITE SPECIFIC PLANS:

A.1 - FLOOR PLAN & INTERIOR
A.2 - RESTROOM FLOOR PLAN & EXTERIOR ELEVATIONS & DETAILS
A1.2 - ROOF PLAN & ELEVATIONS
A2.1 - MECHANICAL & REFLECTED CEILING PLAN
A3.2 - ELECTRICAL POWER/SIGNAL & LIGHTING PLAN
S1C.5A - FOUNDATION PLAN
P1 - PLUMBING PLAN

DESIGN CRITERIA

DEAD AND LIVE LOADS

FLOOR: LIVE LOAD - ☐ 50.0 PSF ☒ 65.0 PSF ☐ 125.0 PSF ☐ 150.0 PSF

FLOOR: DEAD LOAD -
- ☐ PLYWOOD — 11.0 PSF
- ☐ PLYWOOD + LEVELROCK — 11 psf + 8.25 psf = 19.25 PSF
- ☒ CONCRETE — 39.2 psf + 1.8 psf misc. = 41.0 PSF

ROOF: SNOW LOAD - NOT PERMITTED
ROOF: LIVE LOAD - 20.0 PSF
ROOF: DEAD LOAD -
- ☐ BIPITCH OR SHED — 16 PSF (INCLUDES 4 PSF FOR FUTURE PV)
- ☒ VARIABLE ROOF
  - SLOPED PORTION — 11.8 PSF (INCLUDES 4 PSF FOR FUTURE PV)
  - FLAT SUB-ROOF PORTION — 8.2 PSF

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

WIND DESIGN

BASIC WIND SPEED (3 SECOND GUST), V — 100 MPH
WIND EXPOSURE CATEGORY — C
CHAPTER 28, PART 2, ASCE 7-16, SEC 28.5 - SIMPLIFIED DESIGN WIND PRESSURES
$\lambda = 1.21$
RISK CATEGORY = II
$K_{ZT} = 1.0$

SEISMIC DESIGN CRITERIA

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

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

1) RISK CATEGORY II
2) **NOT** ALLOWED FOR SITE CLASS E AND F

SEISMIC IMPORTANCE FACTOR — $I_e = 1.0$
V = EQUIV. LATERAL FORCE PROCEDURE BASE SHEAR (STRENGTH DESIGN)
$V = C_s\ W = \underline{0.35}W$
$C_s = \frac{S_{DS}}{(R/I)} = \underline{0.35}$
BASIC SEISMIC FORCE RESISTING SYSTEM: ORDINARY STEEL MOMENT FRAMES
$R = \underline{3.5}$ $\rho = \underline{1.0}$
$I = \underline{1.0}$ $C_d = \underline{3.0}$
$\Omega_o = \underline{3.0}$

☐ WITH SITE-SPECIFIC GEOTECHNICAL REPORT (SITE CLASS: D)
$S_s = \underline{2.625}$ $F_A = \underline{1.0}$ ** $S_{DS} = \underline{1.225}$
$S_1 \le \underline{1.5}$ $F_V = \underline{1.7}$ $S_{D1} \le \underline{1.7}$

☒ WITHOUT SITE-SPECIFIC GEOTECHNICAL REPORT (ASSUMED SITE CLASS: D)
$S_s = \underline{2.188}$ $F_A = \underline{1.2}$ ** $S_{DS} = \underline{1.225}$
$S_1 \le \underline{1.5}$ $F_V = \underline{1.7}$ $S_{D1} \le \underline{1.7}$

* 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.

** PER ASCE 7-16, 12.8.1.3: 1) RISK CATEGORY II 2) **NOT** ALLOWED FOR SITE CLASS E AND F "THE VALUE OF C_S AND E_V ARE PERMITTED TO BE CALCULATED USING A VALUE OF S_{DS} EQUAL TO 1.0, BUT NOT LESS THAN 70% OF S_{DS} AS DEFINED IN SECTION 11.4.5." THEREFORE, THIS PC IS PERMITTED FOR USE IN LOCATIONS WHERE S_S IS EQUAL TO 2.625 MAX (1.225/0.7)/(2/3) WHERE THERE IS A SITE-SPECIFIC GEOTECHNICAL REPORT AND IN LOCATIONS WHERE S_s IS EQUAL TO 2.188 MAX (1.225/0.7)/(2/3)/(1.2) IN LOCATIONS WHERE THERE IS NO SITE-SPECIFIC GEOTECHNICAL REPORT.

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 = ________ < 1.5

☒ WITHOUT GEOTECHNICAL REPORT (ASSUMED SITE CLASS D)
S_s = 0.890 < 2.188
S_1 = 0.322 < 1.5

MAXIMUM DRIFTS

~~BI-PITCH OR SHED ROOF WITH PLANT ON FASCIA~~	2.3"
~~BI-PITCH OR SHED ROOF WITHOUT PLANT ON FASCIA~~	1.9"
VARIABLE PITCH ROOF	1.8"

SHEET INDEX (CONT.)

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

ARCHITECTURAL

Floor Plans & Interior Elevations
☒ A0 – COVER SHEET, BUILDING CODES & C.B.C. DATA, SHEET INDEX
☒ A1 – FLOOR PLAN, INTERIOR ELEVATIONS
☒ A1.0 – FLOOR PLAN OPTIONS
☒ A1.01 – FLOOR PLAN OPTIONS
☒ A1N – MATERIAL SPECIFICATIONS & NOTES

Roof Plans & Exterior Elevations
☐ A1.1 – BI–PITCHED ROOF PLAN, & EXTERIOR ELEVATIONS
☐ A1E – BI–PITCHED ROOF PLAN W/ PLANT–ON FASCIA, EXTERIOR ELEVATIONS
☐ A1A.1 – SHED ROOF PLAN, & EXTERIOR ELEVATIONS
☐ A1E.1 – SHED ROOF PLAN WITH PLANT–ON FASCIA, EXTERIOR ELEVATIONS
☒ A1D – VARIABLE PITCH ROOF PLAN, & EXTERIOR ELEVATIONS
☒ A1R – ROOFING ATTACHMENT

HVAC Unit Options, Reflected Ceiling Plans, Wall Attachment, Details, and Specifications
☒ A2.0 – HVAC EQUIPMENT & NOTES
☒ A2 – EXTERIOR HVAC UNIT MECHANICAL & REFLECTED CEILING PLANS, HVAC WALL ATTACH., DETAILS, HVAC SPECS.
☐ A2A – INTERIOR HVAC UNIT MECHANICAL & REFLECTED CEILING PLANS, HVAC WALL ATTACH., DETAILS, HVAC SPECS.
☐ A2B – "ROOF MOUNT HVAC UNIT" MECHANICAL & REFLECTED CEILING PLANS, HVAC ROOF ATTACH., DETAILS, HVAC SPECS.

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
☒ EN6 – ENERGY COMPLIANCE
☒ EN7 – ENERGY COMPLIANCE
☒ EN8 – ENERGY COMPLIANCE

Electrical & Lighting
☒ A3 – ELECTRICAL POWER PLAN, SIGNAL PLAN, DETAILS, ELECTRICAL NOTES
☒ A3.1 – LIGHTING PLAN, NOTES
☒ A3.10 – ELECTRICAL & LIGHTING PLANS FOR TOILET ROOM OPTIONS

Bi-Pitched Roof Sections & Details
☐ A4.R – BI–PITCHED ROOF SECTIONS AND DETAILS (2x4 EXTERIOR WALLS)
☐ A4.1.R – BI–PITCHED ROOF SECTIONS AND DETAILS (2x6 EXTERIOR WALLS)
☐ A4.1.S – BI–PITCHED ROOF SECTIONS AND DETAILS (2x8 EXTERIOR WALLS)
☐ A4.3.R – BI–PITCHED ROOF SECTIONS AND DETAILS (1–HOUR 2x6 FIRE BARRIER DETAILS)
☐ A4.3.S – BI–PITCHED ROOF SECTIONS AND DETAILS (1–HOUR 2x8 FIRE BARRIER DETAILS)
☐ A4E.R – BI–PITCH ROOF W/ PLANT–ON FASCIA, SECTIONS AND DETAILS (2x6 EXTERIOR WALLS)
☐ A4E.S – BI–PITCH ROOF W/ PLANT–ON FASCIA, SECTIONS AND DETAILS (2x8 EXTERIOR WALLS)

Shed Roof Sections & Details
☐ A4A.R – SHED ROOF SECTIONS AND DETAILS (2x4 EXTERIOR WALLS)
☐ A4A.1.R – SHED ROOF SECTIONS AND DETAILS (2x6 EXTERIOR WALLS)
☐ A4A.1.S – SHED ROOF SECTIONS AND DETAILS (2x8 EXTERIOR WALLS)
☐ A4A.3.R – SHED ROOF SECTIONS AND DETAILS (1–HOUR 2x6 FIRE BARRIER DETAILS)
☐ A4A.3.S – SHED ROOF SECTIONS AND DETAILS (1–HOUR 2x8 FIRE BARRIER DETAILS)
☐ A4E.1.R – SHED ROOF W/ PLANT–ON FASCIA, SECTIONS AND DETAILS (2x6 EXTERIOR WALLS)
☐ A4E.1.S – SHED ROOF PLANT–ON FASCIA, SECTIONS AND DETAILS (2x8 EXTERIOR WALLS)

Variable Pitch Roof Sections & Details
☒ A4D.R – VARIABLE PITCH ROOF SECTIONS AND DETAILS (2x6 EXTERIOR WALLS)
☐ A4D.S – VARIABLE PITCH ROOF SECTIONS AND DETAILS (2x8 EXTERIOR WALLS)

Architectural Details
☒ A4B – STUCCO MATERIAL SPECIFICATIONS
☒ A4B.1 – TYPICAL STUCCO 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)
☐ A4L – "LEVEL ROCK" FLOOR UNDERLAYMENT OPTION (PLYWOOD FLOORS)
☒ A4H – INTERIOR WALL CONNECTION DETAILS
☐ A4H.1 – INTERIOR WALL CONNECTION DETAILS (1–HOUR FIRE BARRIERS)
☐ A4H.3 – SEISMIC GAP CLOSURE DETAILS
☒ 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 OR 2x8 EXT. WALLS) (WOOD FLOORS) (BLDG. UNDER 2160 S.F.)
☐ A6.1 – DETERIORATION PROTECTION (2x4 EXTERIOR WALLS) (WOOD FLOORS) (BUILDING OVER 2160 S.F.)
☐ A6.2 – DETERIORATION PROTECTION (2x6 OR 2x8 EXT. WALLS) (WOOD FLOORS) (BUILDING OVER 2160 S.F.)

Deterioration Protection, Concrete Floors
☒ A6.4 – DETERIORATION PROTECTION (2x6 OR 2x8 EXT. WALLS) (CONC. FLOORS) (BLDG. UNDER 2160 S.F.)
☐ A6.6 – DETERIORATION PROTECTION (2x6 OR 2x8 EXT. WALLS) (CONC. FLOORS) (BLDG. OVER 2160 S.F.)

STRUCTURAL

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

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

Wood Foundation Plans, Details and Notes
☐ S1W50(H) – 50 P.S.F. WOOD FOUNDATION PLAN, PIER DETAILS, NOTES
☐ S1W50A(H) – 50 P.S.F. WOOD FOUNDATION PLANS
☐ S1W65(H) – 65 P.S.F. WOOD FOUNDATION PLAN, PIER DETAILS, NOTES
☐ S1W65A(H) – 65 P.S.F. WOOD FOUNDATION PLANS

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

Plant on Fascia, Roof, Ceiling, and Floor Framing Plans, Structural Steel Properties, Notes, and Details
☐ S2E(H) – BI–PITCH ROOF PLANT ON FASCIA, CEILING, FLOOR FRAMING PLANS, STRUC. STEEL PROP., NOTES
☐ S2E.1(H) – SHED ROOF PLANT ON FASCIA, CEILING, FLOOR FRAMING PLANS, STRUCT. STEEL PROP., NOTES
☐ S2E.2 – PLANT–ON FASCIA, STRUCTURAL DETAILS
☐ S2E.3 – PLANT–ON FASCIA, STRUCTURAL DETAILS

Variable Pitch, Roof, Ceiling, and Floor Framing Plans, Structural Steel Properties, Notes, and Details
☒ S2D(H) – VARIABLE SLOPE ROOF, CEILING, FLOOR FRAMING PLANS, STRUCTURAL STEEL PROPERTIES, NOTES
☒ S2D.1 – VARIABLE SLOPE ROOF, STRUCTURAL DETAILS
☒ S2D.2 – VARIABLE SLOPE ROOF, STRUCTURAL DETAILS

Floor Framing Options
☒ S2C.1(H) – 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
☐ S3E – BI–PITCH ROOF PLANT–ON FASCIA LONG. BUILDING SECTION, WALL FRAMING ELEV, END FRAME ELEV
☐ S3A – SHED ROOF LONGITUDINAL BUILDING SECTION, WALL FRAMING ELEVATIONS, END FRAME ELEVATION
☐ S3E.1 – SHED ROOF PLANT–ON FASCIA LONGITUDINAL BUILDING SECTION, WALL FRAMING ELEVATIONS, END FRAME ELEV.
☒ S3D – VARIABLE SLOPE 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 PANELS, REMOVABLE CASSETTE WITH WALL MOUNT HVAC UNIT
☒ S4C – STRUCTURAL CONNECTION DETAILS (CONCRETE FLOORS)

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

Ramp, Platform, Stairs
☐ S5R – ACCESSIBLE RAMP & PLATFORM DETAILS
☐ S5R.1 – PLATFORM DETAILS (PLATFORM OVER 18" HEIGHT)
☐ S5S – STAIR DETAILS

53 ~~100~~ TOTAL SHEET COUNT

PRE-CHECK (PC) DOCUMENT
Code: 2019 CBC
A separate project application for construction is required.

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09/15/2022
04/25/2022
09/15/2021

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~~DATE: 04/26/2022~~

STANDARD ELEMENTARY SCHOOL
STANDARD SCHOOL DISTRICT

COVER SHEET, BUILDING CODES, C.B.C. DATA, SHEET INDEX

REV / DATE:	BY:

JOB No.:
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DATE:

A0

24'x40' TO 120'x40' P.C.

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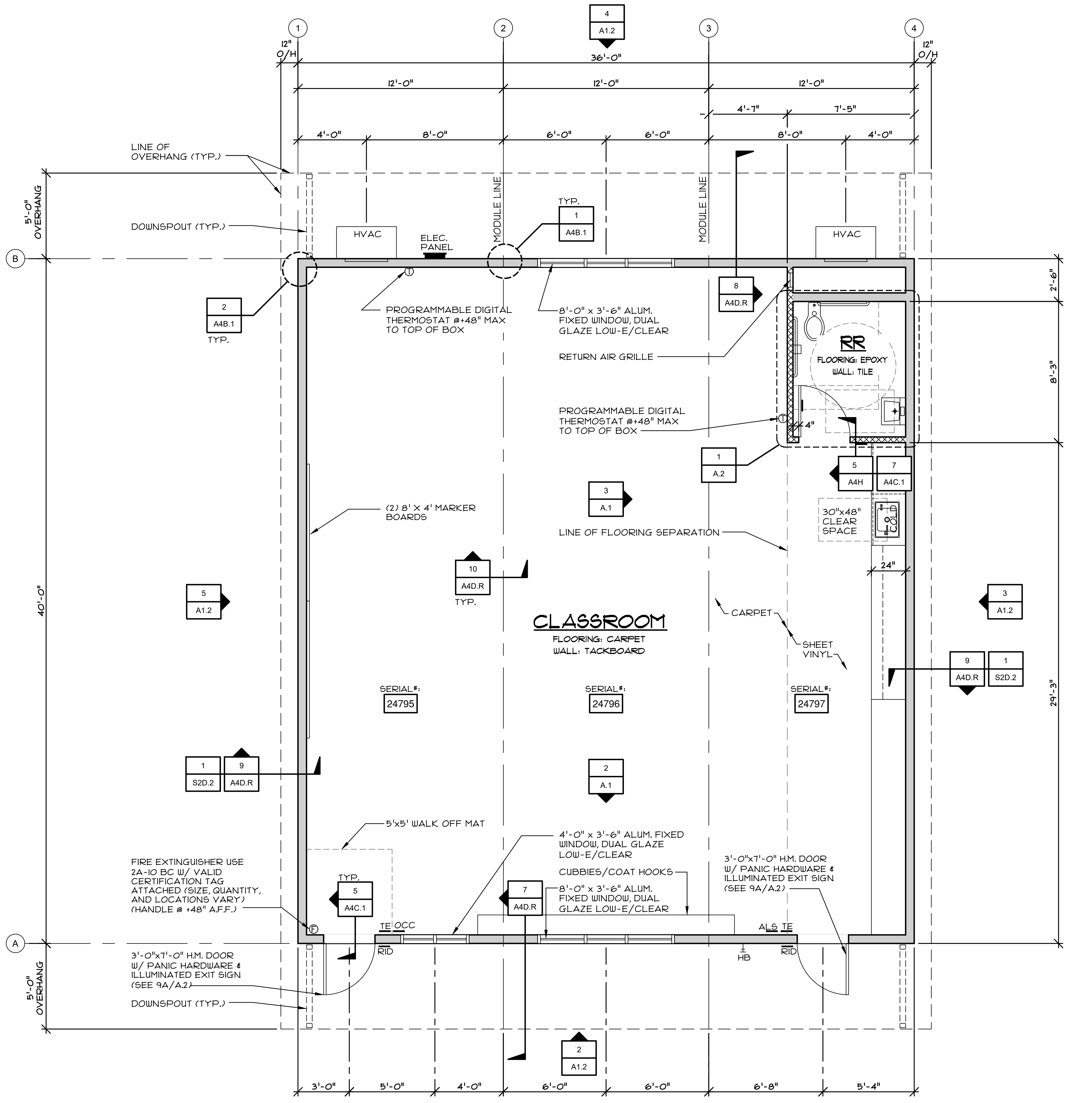
LEGEND/NOTES

WALL LEGEND
═ 2X4 WALLS - WOOD STUDS, 16"o.c.
▨ 2X6 WALLS - WOOD STUDS, 16"o.c.
⊠ 2X (FULL HEIGHT WALLS) - WOOD STUDS, 16"o.c.

NOTE:
1.) ALL GLAZING TO BE TEMPERED/SAFETY RATED.

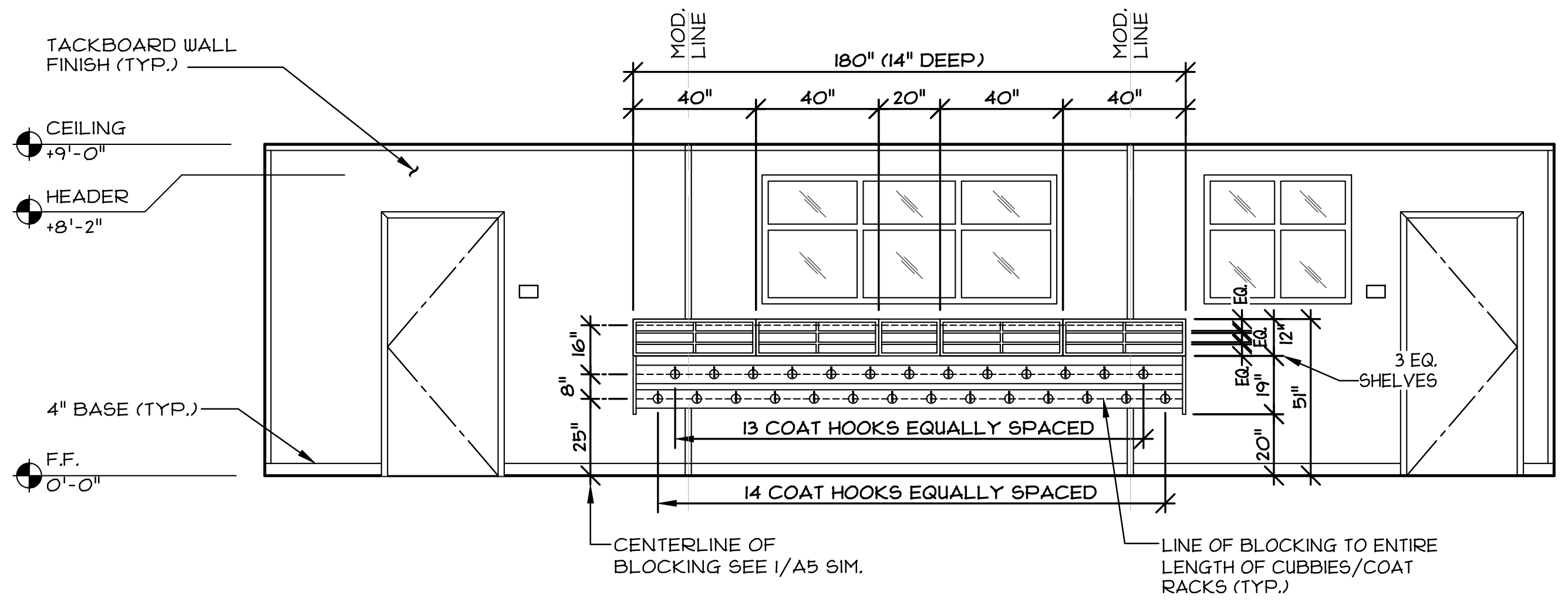
SIGNAGE LEGEND	
TE	TACTILE EXIT SIGNAGE, SEE 10/A5 (BY OWNER)
RID	ROOM IDENTIFICATION & I.S.A. SIGNAGE, SEE 10/A5 (BY OWNER)
OCC	ROOM MAX. OCCUPANCY LOAD SIGNAGE, SEE 10/A5 (BY OWNER)
ALS	PORTABLE ASSISTIVE LISTENING DEVICE STATION/SIGNAGE @ +60" MAX. A.F.F. (SEE 6/A1.0) (PROVIDED & INSTALLED BY OWNER FOR EA. SCHOOL, PROVIDE 2 MIN. PORTABLE ASSISTIVE LISTENING SYSTEMS, EACH W/ A TRANSMITTER AND MIN OF 2 RECEIVERS FOR USE IN THE CLASSROOMS W/O AUDIO AMPLIFICATION. THE ASSISTIVE LISTENING RECEIVERS AND TRANSMITTER SHALL BE STORED IN THE SCHOOL SITE ADMINISTRATION OFFICE UNTIL REQUESTED



1

FLOOR PLAN

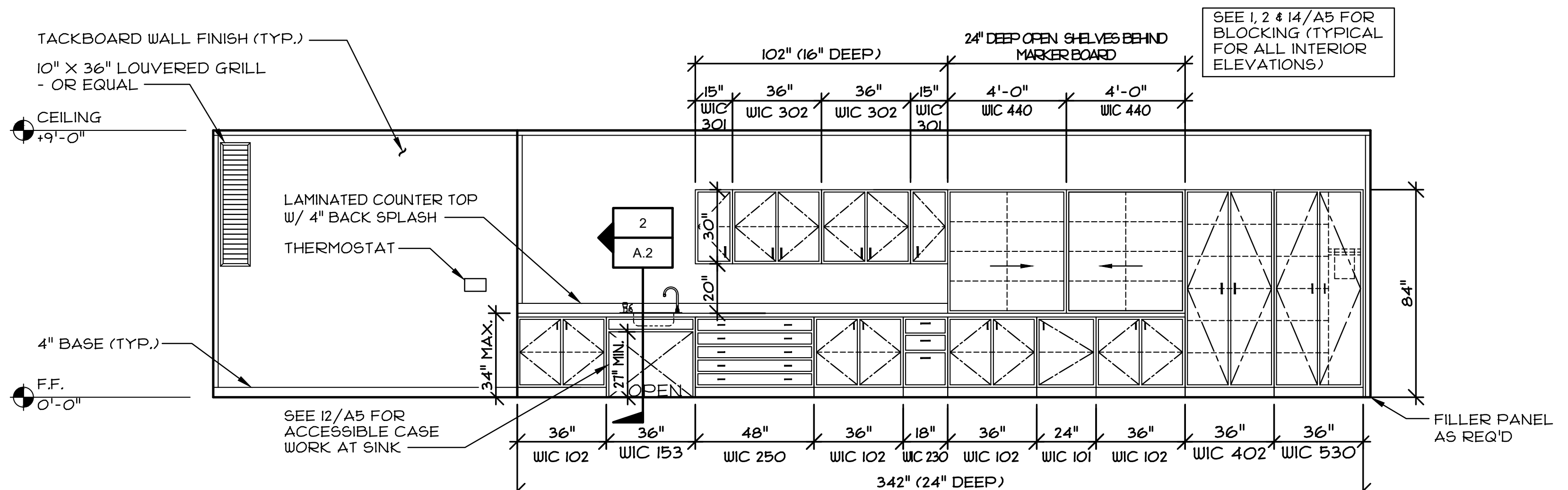
SCALE: 1/4"= 1'-0"



2

INTERIOR ELEVATION

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



SEE 1, 2 & 14/A5 FOR BLOCKING (TYPICAL FOR ALL INTERIOR ELEVATIONS)

NOTE:
NO SHARP EDGES OR ABRASIVE SURFACES UNDER LAVATORY

3

INTERIOR ELEVATION

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

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STANDARD ELEMENTARY SCHOOL
STANDARD SCHOOL DISTRICT

FLOOR PLAN
&
INTERIOR ELEVATION

REV / DATE:	
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DATE:	08/25/22

A.1

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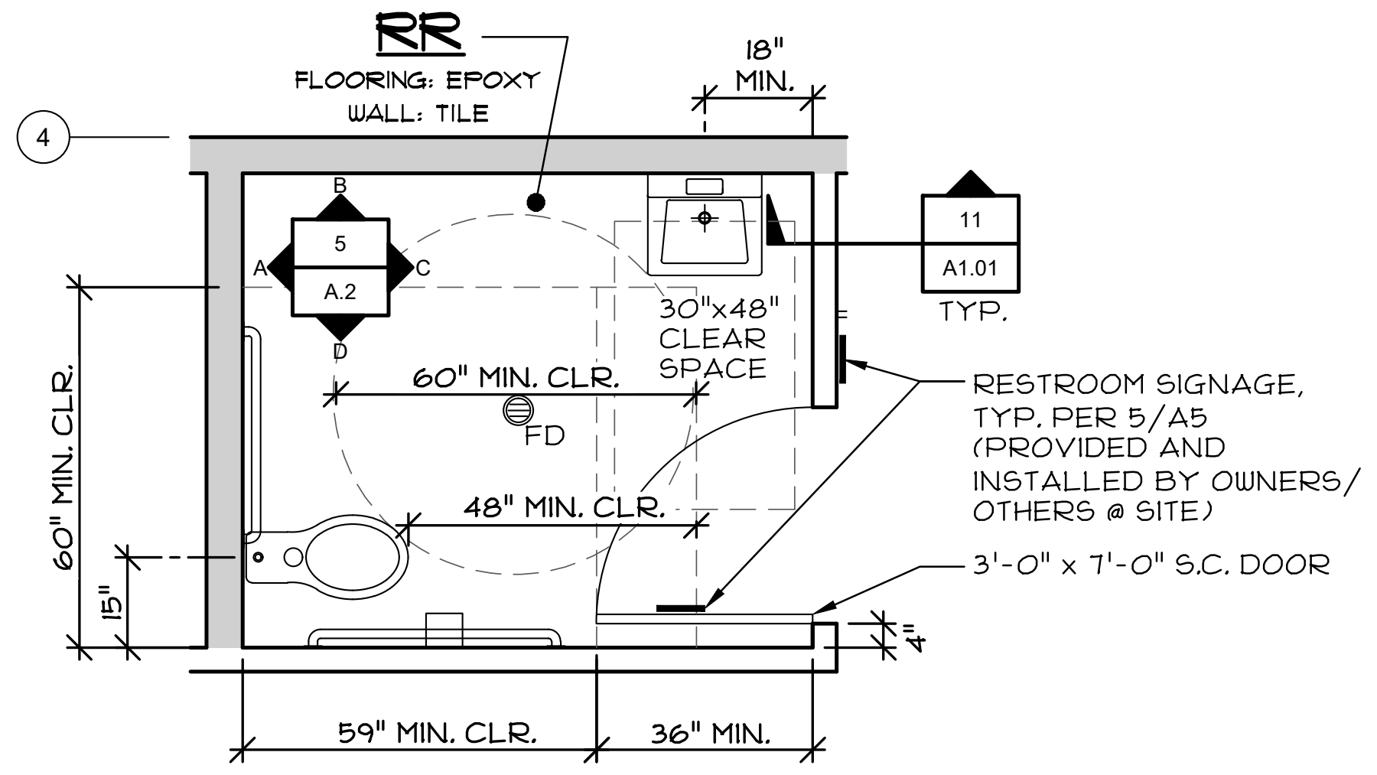
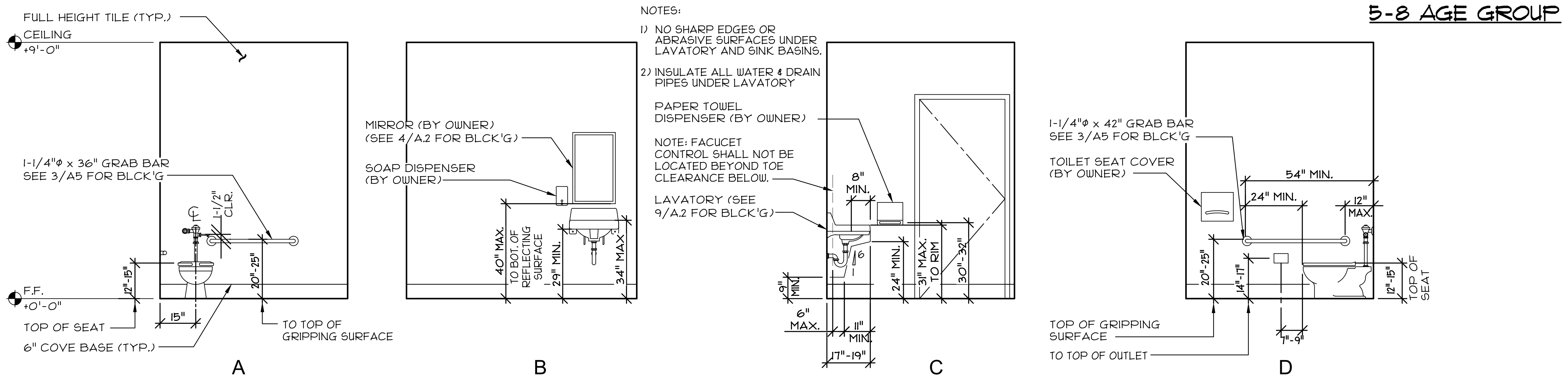
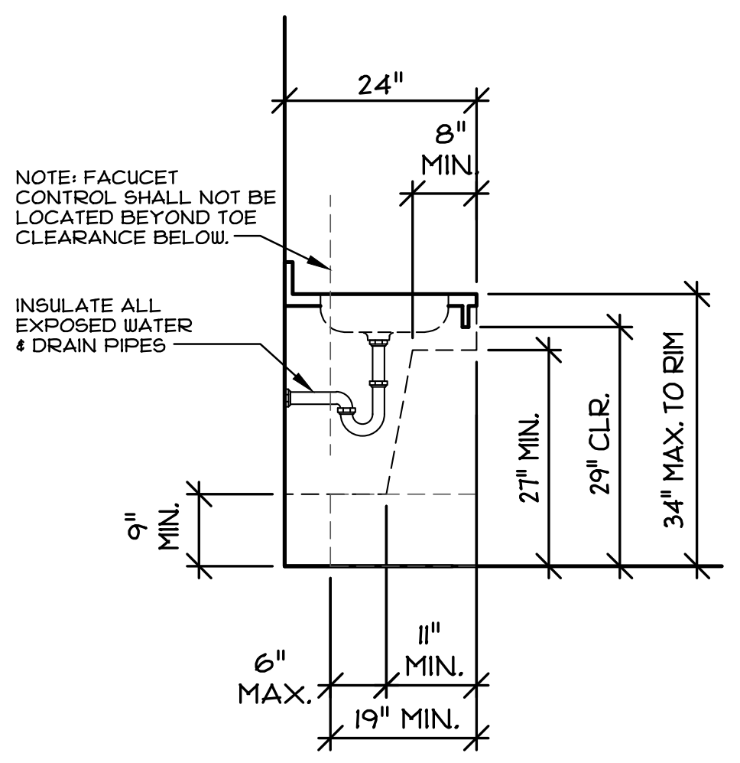


1
RR FLOOR PLAN
SCALE: 3/8"=1'-0"



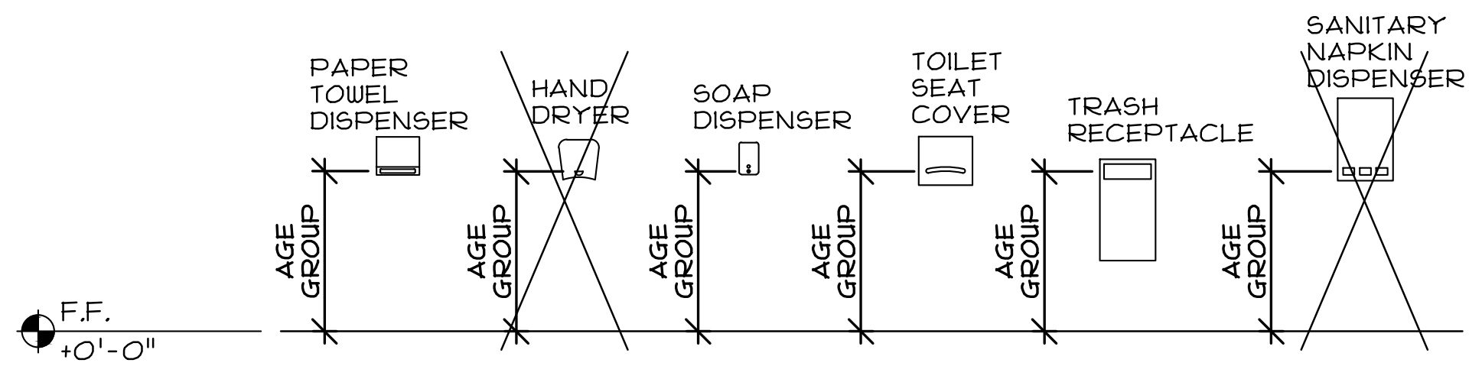
NOTES:
1) NO SHARP EDGES OR ABRASIVE SURFACES UNDER LAVATORY AND SINK BASINS.
2) INSULATE ALL WATER & DRAIN PIPES UNDER LAVATORY

5
STUDENT RR INTERIOR ELEVATIONS
SCALE: 3/8"=1'-0"



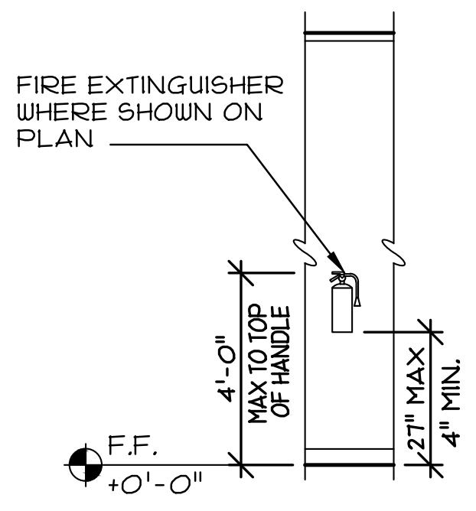
2
KNEE/TOE CLEARANCE @ ACCESSIBLE SINK
SCALE: NTS

6

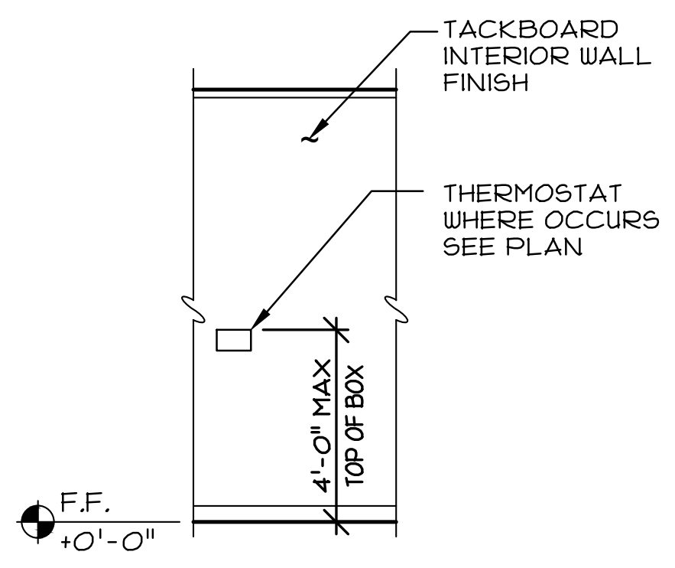


TOILET ACCESSORIES	~~AGES 3-4~~	AGES 5-8	~~AGES 9-12~~	~~AGES 13-ADULT~~
DISPENSER, DRYERS, HEIGHT TO TOP OF OUTLET, HANDLE OR OPERATIVE MECHANISM (WHICHEVER IS HIGHEST)	~~24" TO 32" SUGGESTED~~	30" TO 32" SUGGESTED	~~32" TO 36" SUGGESTED~~	~~40" MAX.~~

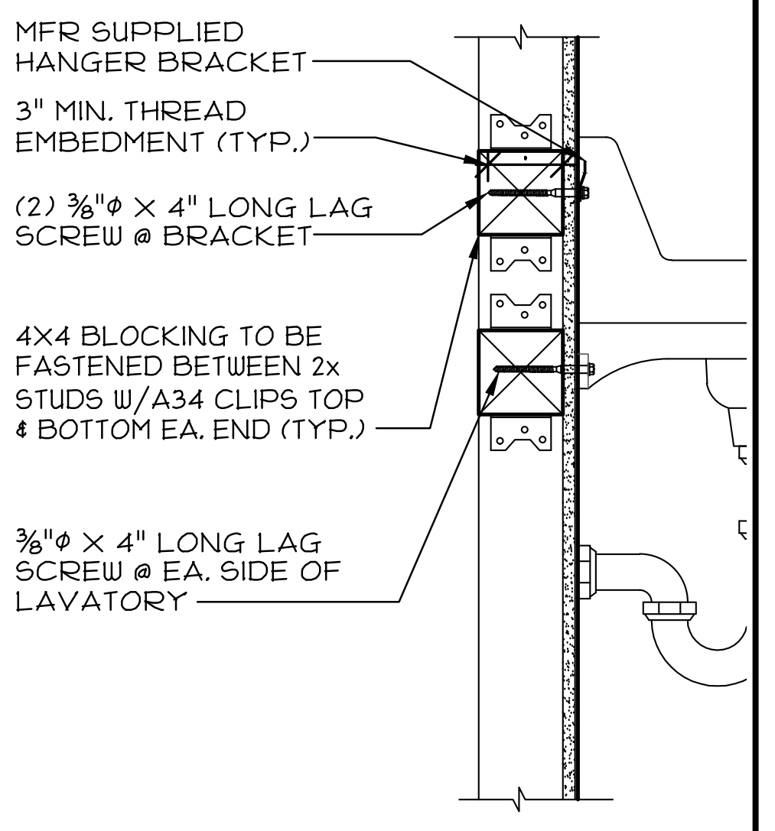
3
TYP. ACCESSIBLE HEIGHTS
SCALE: NTS



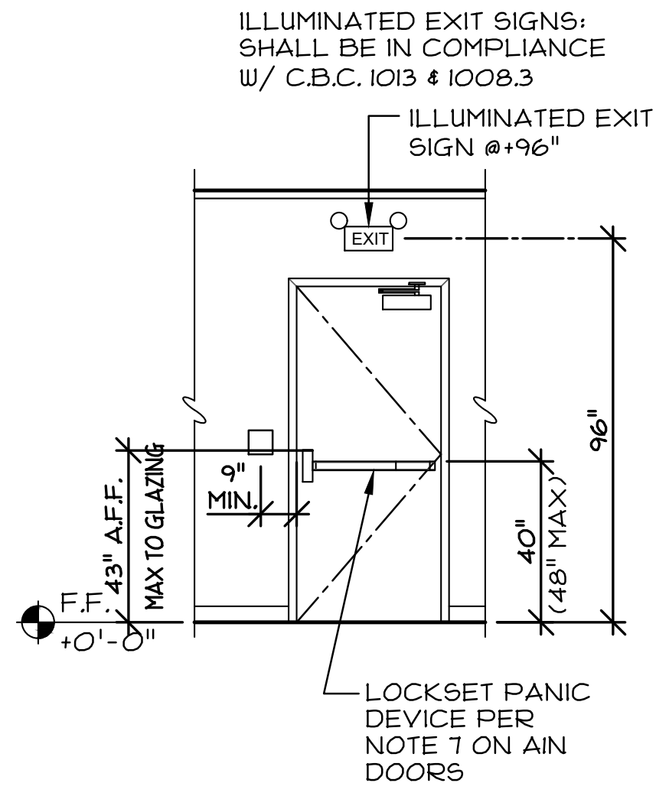
7
TYP. FIRE EXTINGUISHER
SCALE: 1/4"=1'-0"



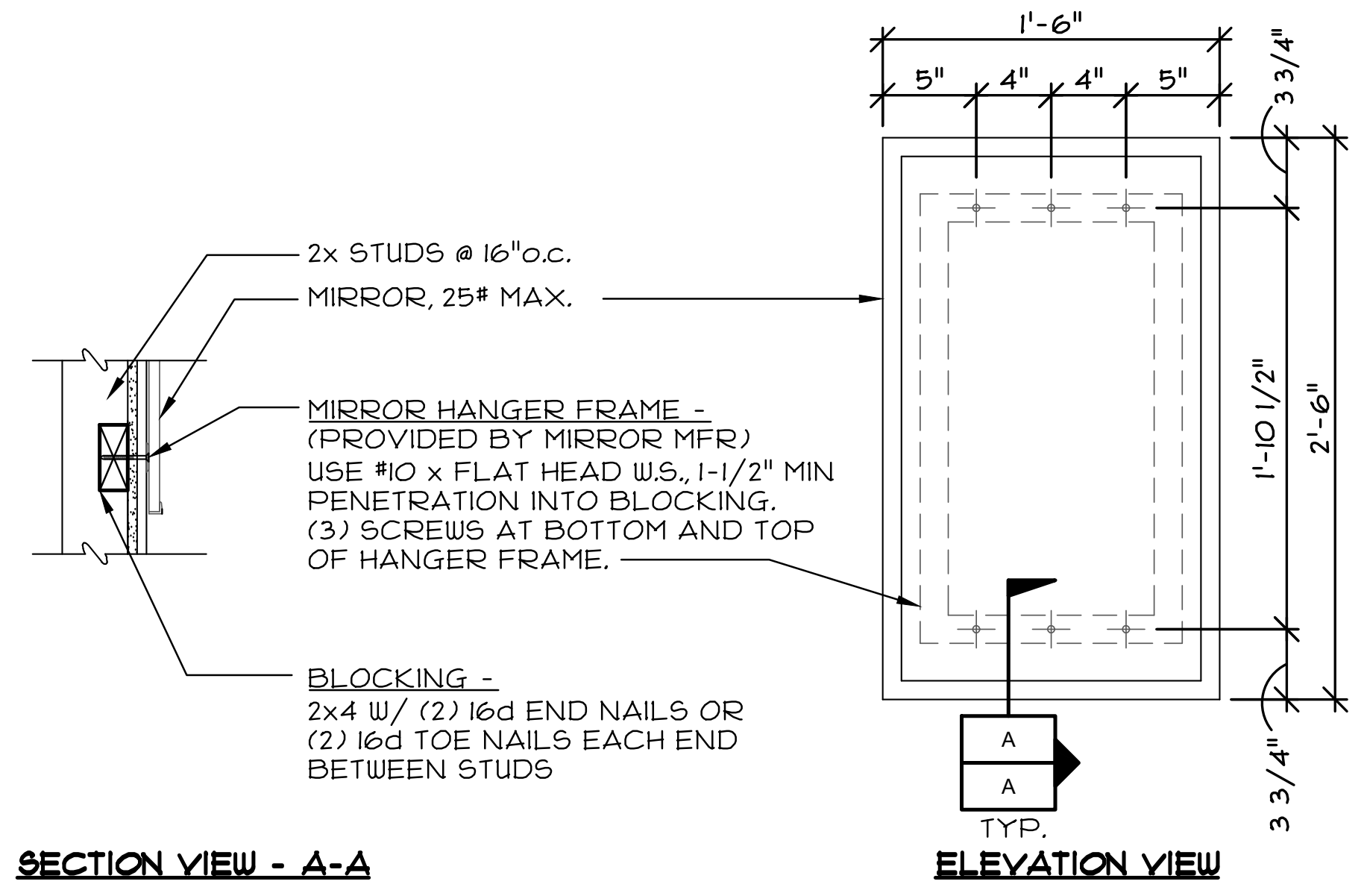
11A
TYP. THERMOSTAT
SCALE: 1/4"=1'-0"



9
LAVATORY BLCK'G
SCALE: NTS SECTION VIEW



9A
TYP. PANIC DEVICE
SCALE: 1/4"=1'-0"



4
BLOCKING DETAIL @ MIRROR
SCALE: NTS

8

10

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STANDARD ELEMENTARY SCHOOL
STANDARD SCHOOL DISTRICT

RESTROOM FLOOR PLAN,
INTERIOR ELEVATIONS
&
DETAILS

REV / DATE:	
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DRAWN BY:	AM
DATE:	08/25/22

A.2

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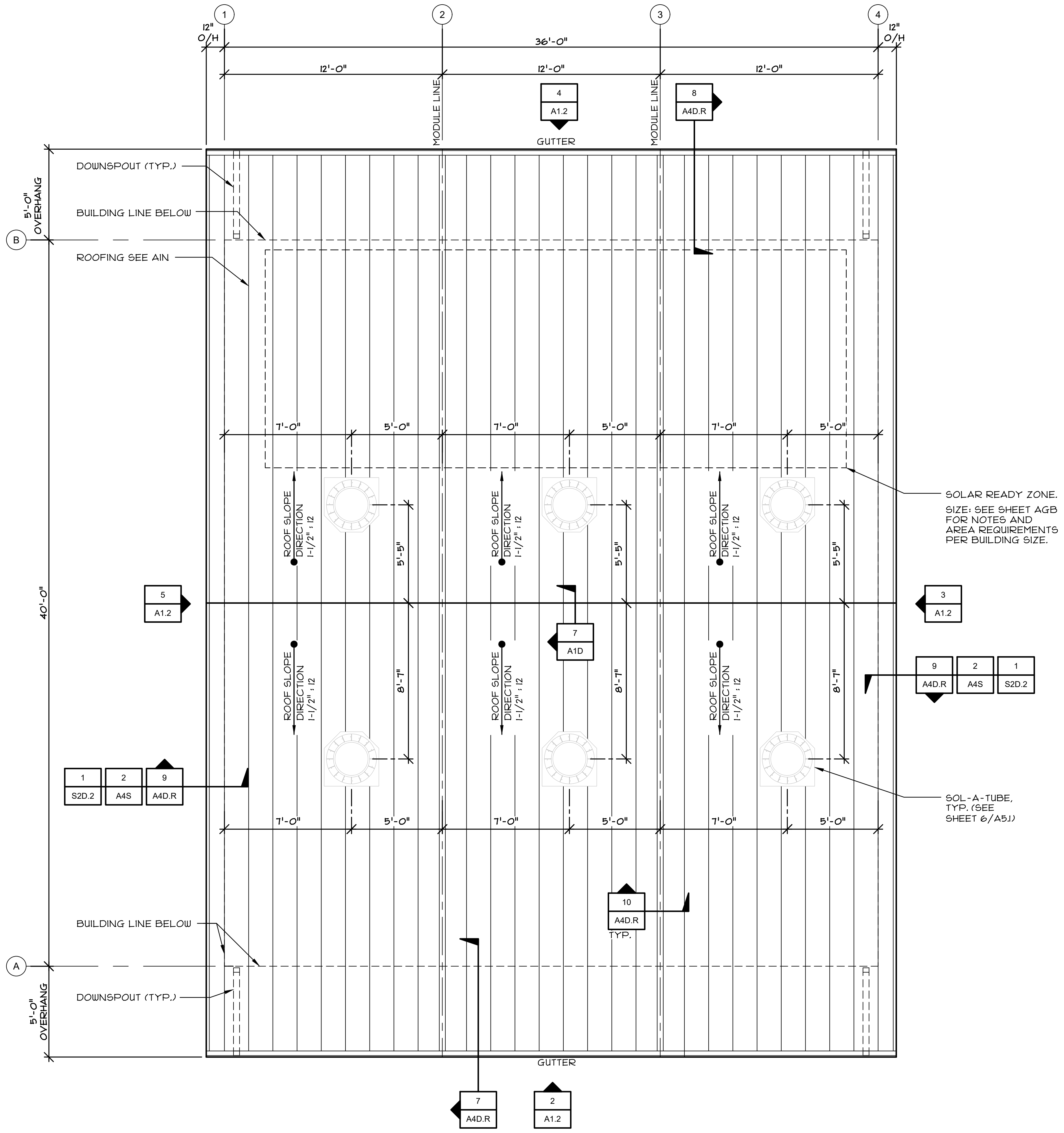
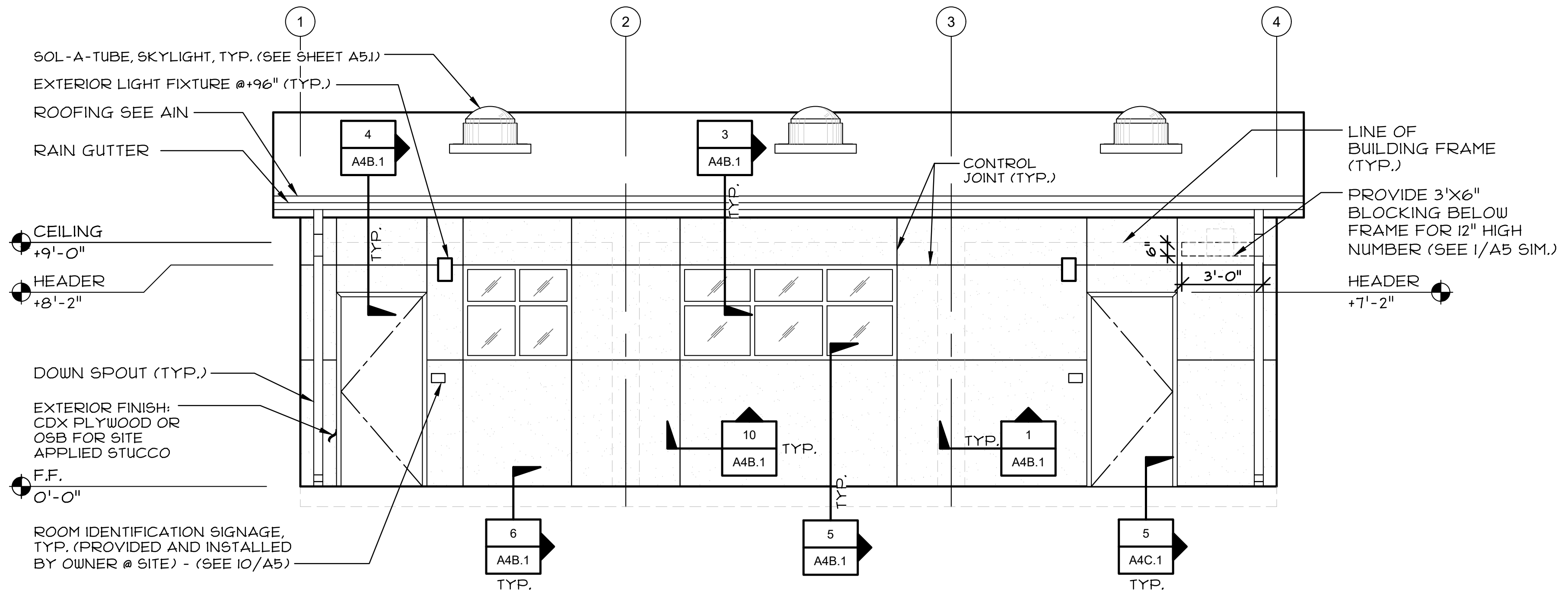


1

ROOF PLAN

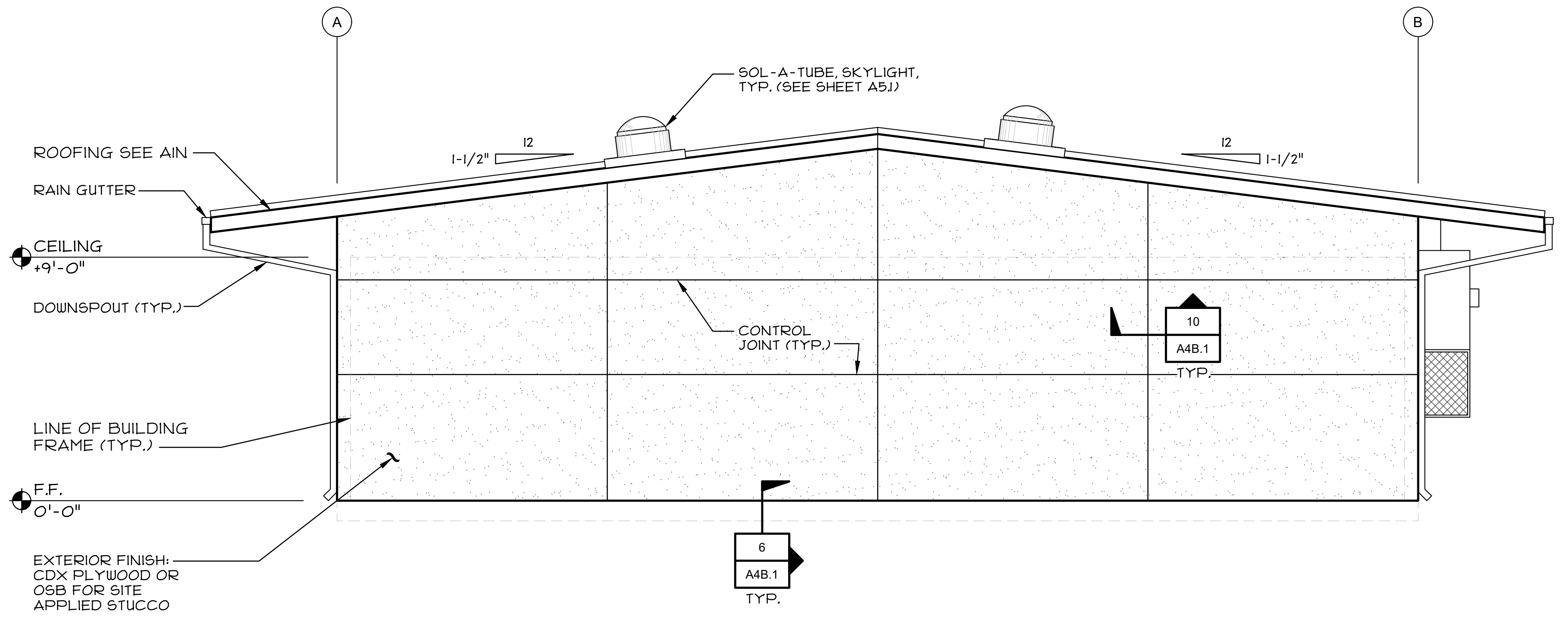
SCALE: 1/4"= 1'-0"



2

FRONT ELEVATION

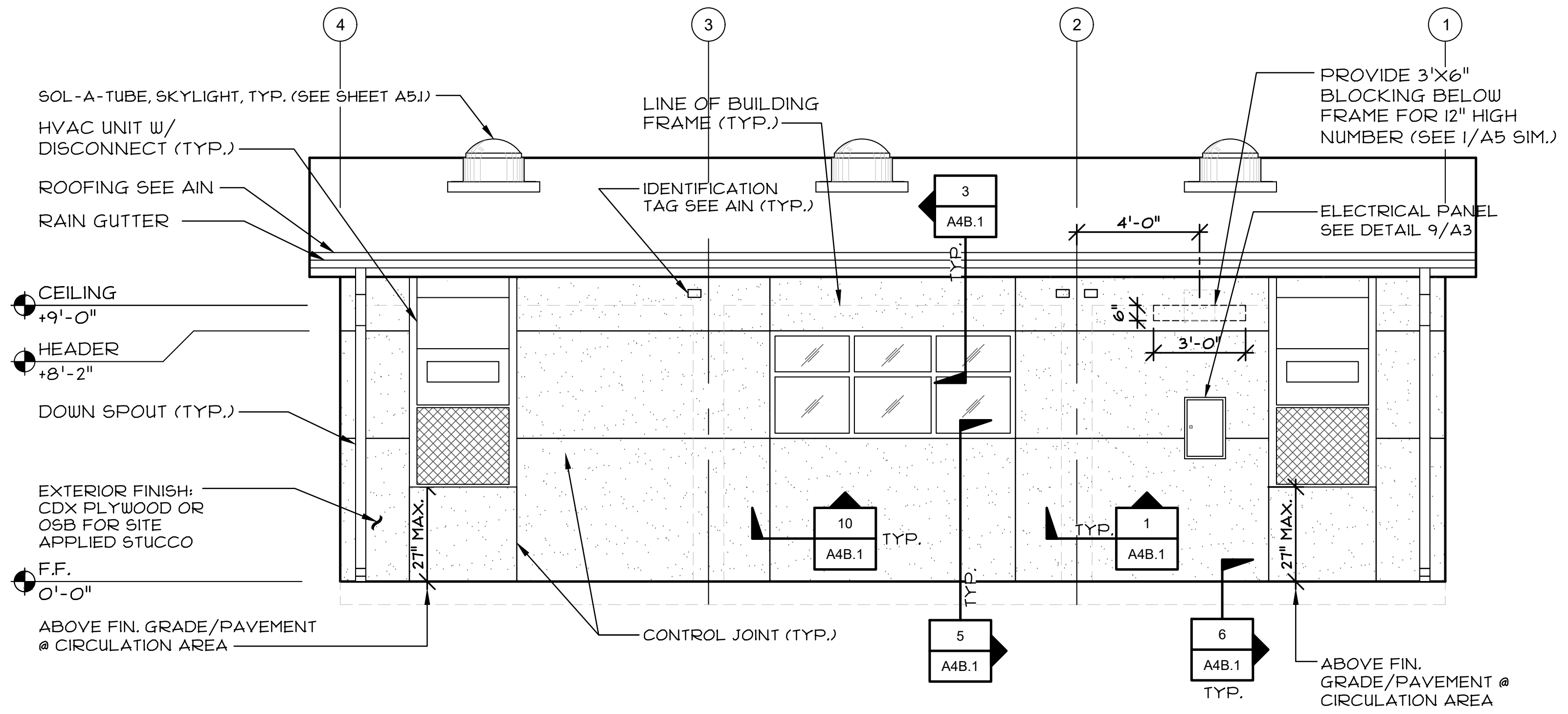
SCALE: 1/4"=1'-0"



3

RIGHT ELEVATION

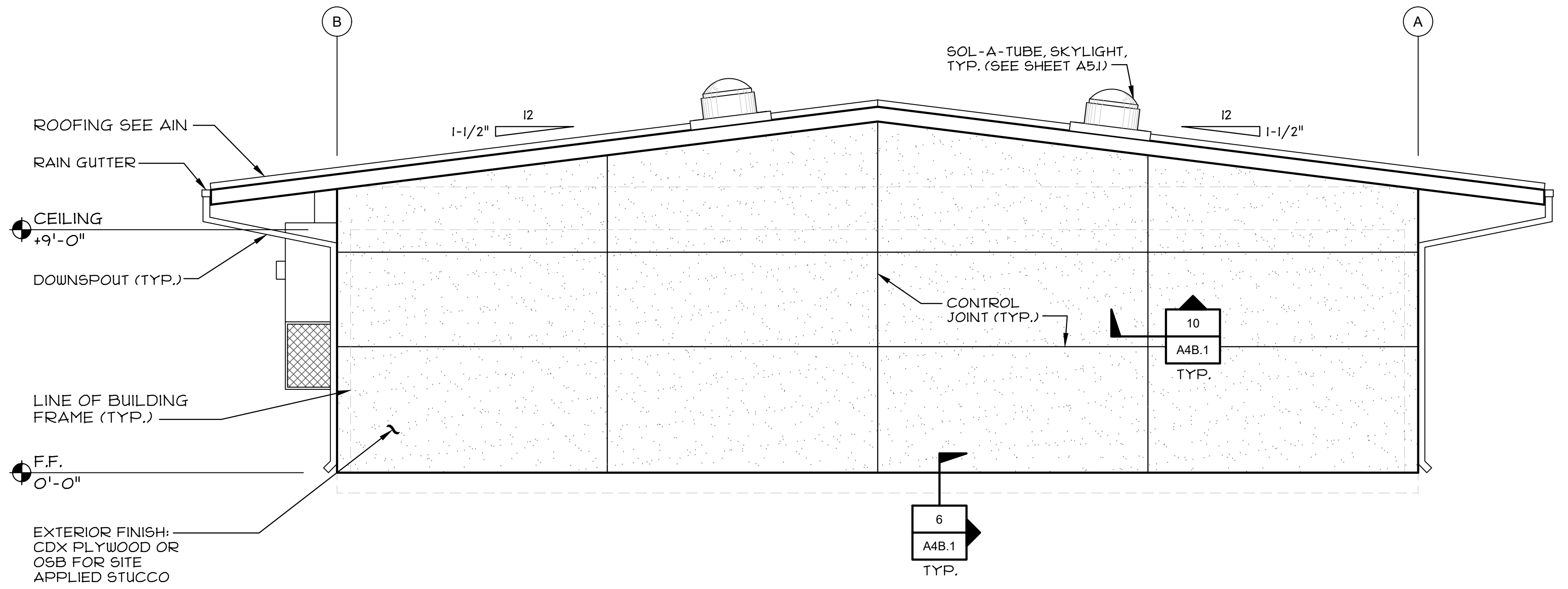
SCALE: 1/4"=1'-0"



4

REAR ELEVATION

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



5

LEFT ELEVATION

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

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STANDARD ELEMENTARY SCHOOL
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ROOF PLAN
&
EXTERIOR ELEVATIONS

REV / DATE:

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A1.2

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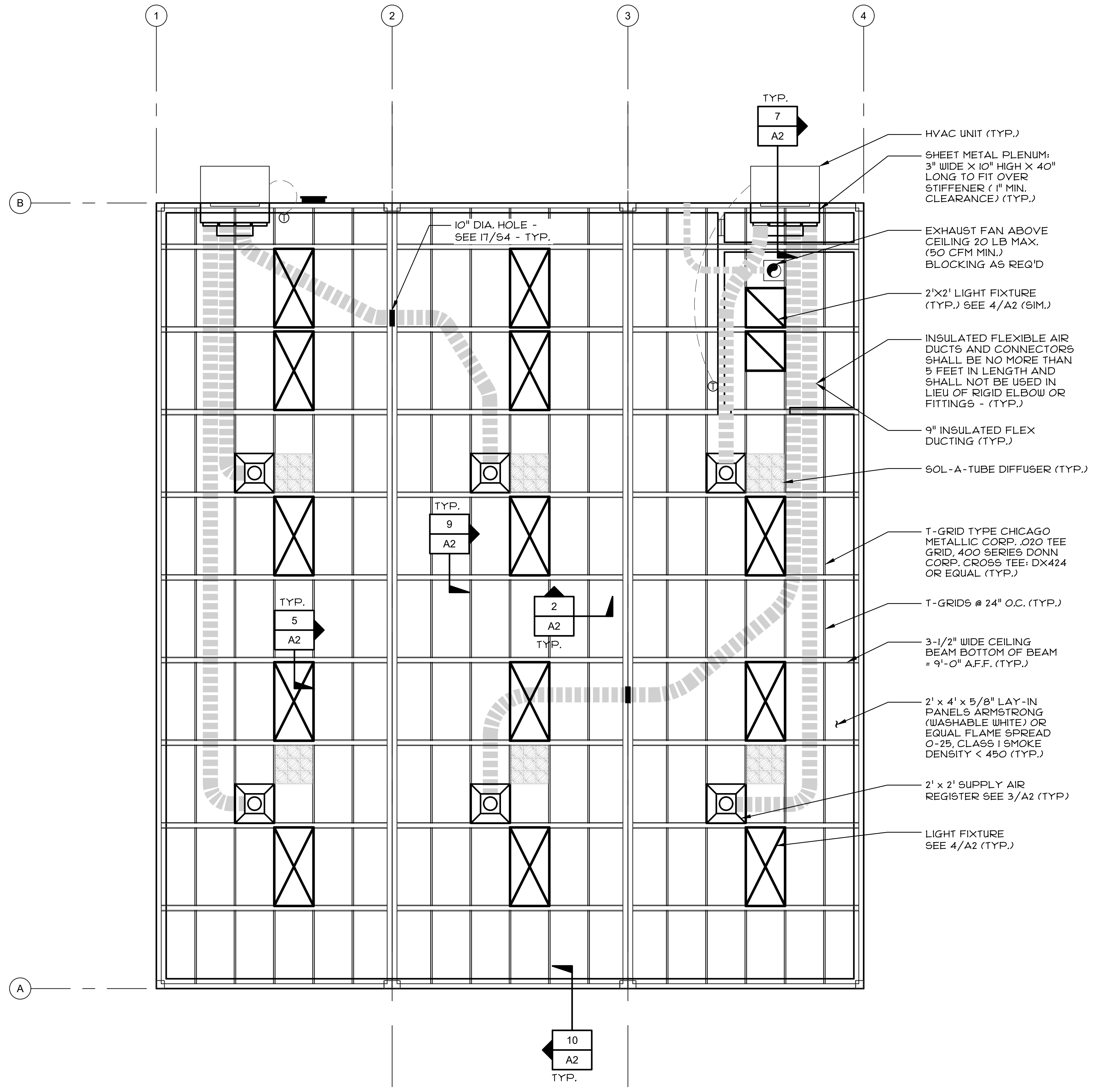

NOTE: CEILING TILE & LIGHTING FIXTURES IN MODULES ARE NOT SUSPENDED. THE BUILDING HAS A FIXED CEILING AND LIGHTING FIXTURE SUPPORT SYSTEM WHICH IS MECHANICALLY FASTENED TO STEEL CEILING BEAMS.

NOTE:
REFER TO "LIST OF HVAC EQUIPMENT" TABLE ON SHEET A2.0 FOR HVAC UNIT SIZE, WEIGHT, HEATING AND COOLING CAPACITIES, EFFICIENCIES, FILTERS, OUTDOOR AIR, AND UNIT QUANTITIES REQUIRED PER BUILDING SIZE.

1 MECHANICAL & REFLECTED CEILING PLAN

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

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MECHANICAL & REFLECTED CEILING PLAN

REV / DATE:

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A2.1

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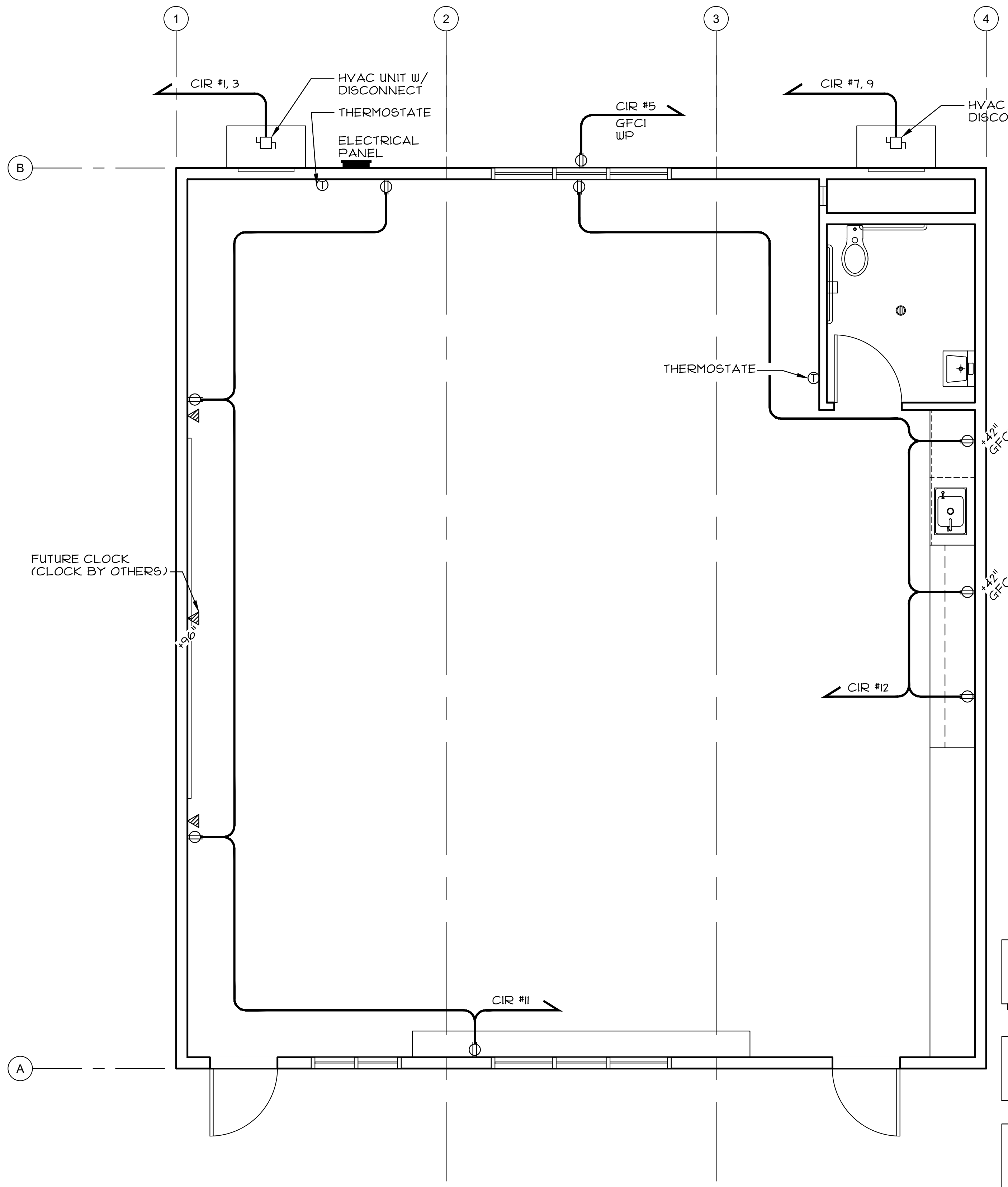


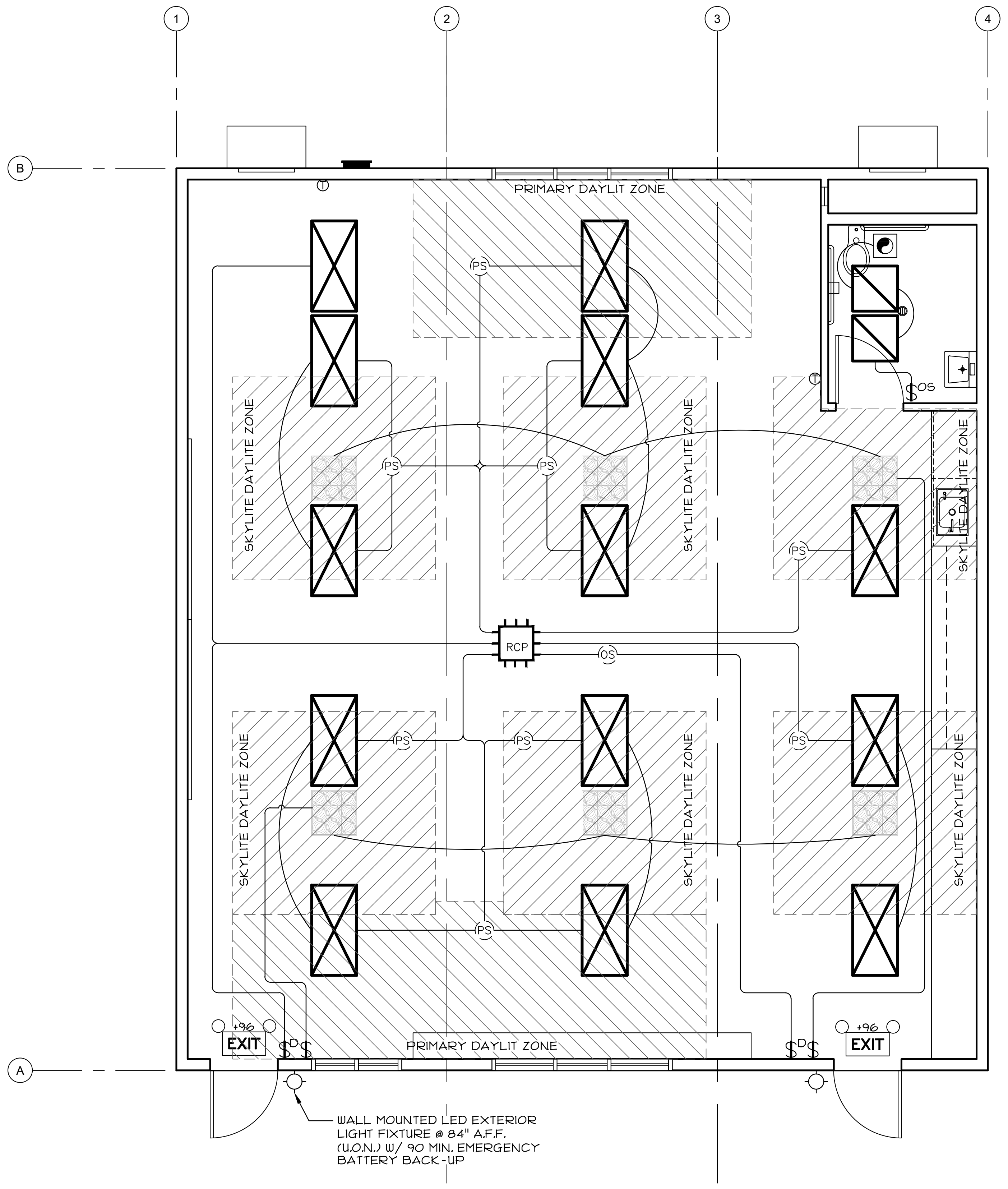
NOTE:
SEE ELECTRICAL / ARCHITECTURAL SHEETS FOR FIRE ALARM DRAWINGS

NOTE:
SEE ELECTRICAL / ARCHITECTURAL SHEETS FOR LOW VOLTAGE ACCESSORIES

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

1 ELECTRCIAL POWER & SIGNAL PLAN

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



2 LIGHTING PLAN

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

▽	J-BOX FOR DATA W/ 3/4" CONDUIT STUB TO ATTIC

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

2 ELECTRICAL LEGEND

PANEL SCHEDULE: "A"
MOUNTING: FLUSH
PANEL: 125A
MAIN BREAKER: 125A
NEMA-1
VOLTS: 120/208
PHASE: 3
WIRE: 4W

DESCRIPTION	LOAD			BRKR		MAIN 125A				BRKR	LOAD			DESCRIPTION
						A	B	C						
	A	B	C								A	B	C	
HVAC	6210			60/2	1	X			2					
		6210			3		X		4					
WP GFCI			180	20/1	5			X	6	20/1			730	LIGHTING
HVAC	6210			60/2	7	X			8					
		6210			9		X		10					
OUTLETS			720	20/1	11			X	12	20/1			720	OUTLETS
					13	X			14					
					15		X		16					
					17			X	18					
					19	X			20					

TOTAL:
LEG A = 12,420 WATTS **AMPS:** 75.5
LEG B = 12,420 WATTS
LEG C = 2,350 WATTS
27,190 WATTS

3 ELECTRICAL PANEL SCHEDULE

EXIT	ILLUMINATED EXIT SIGN W/DUAL HEAD EMERGENCY FLOOD LIGHTS AND 90 MINUTE EMERGENCY BATTERY BACKUP. - (WALL MOUNTED)
☒	2'X2' LED RECESSED LIGHT FIXTURE
☒	2'X4' LED RECESSED LIGHT FIXTURE
$OS	LIGHT SWITCH WITH OCCUPANCY SENSOR (@+48" MAX A.F.F. TO TOP OF BOX).
$D	DIMMER SWITCH: LOW VOLTAGE, TWO BUTTON, DIGITAL SWITCH W/ MANUAL ON/OFF & DIMMING CONTROL. (@+48" MAX A.F.F. TO TOP OF BOX).
$	LIGHT SWITCH: (@+48" MAX A.F.F. TO TOP OF BOX).
◙	CEILING MOUNT EXHAUST FAN
(PS)	PHOTO SENSOR: LOW VOLTAGE, INTERIOR, CEILING MOUNTED, OPTIONAL - INTGRAL IN LIGHT FIXTURE

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

5 LIGHTING LEGEND

CYS
STRUCTURAL ENGINEERS INC.
2485 Natomas Park Drive, Suite 650
Sacramento, CA 95833
(916) 920-2020 (916) 920-1556 Fax
www.cyseng.com

09/15/2022

ARTHUR ERNEST ROSS
No. S2030

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

STANDARD ELEMENTARY SCHOOL
STANDARD SCHOOL DISTRICT

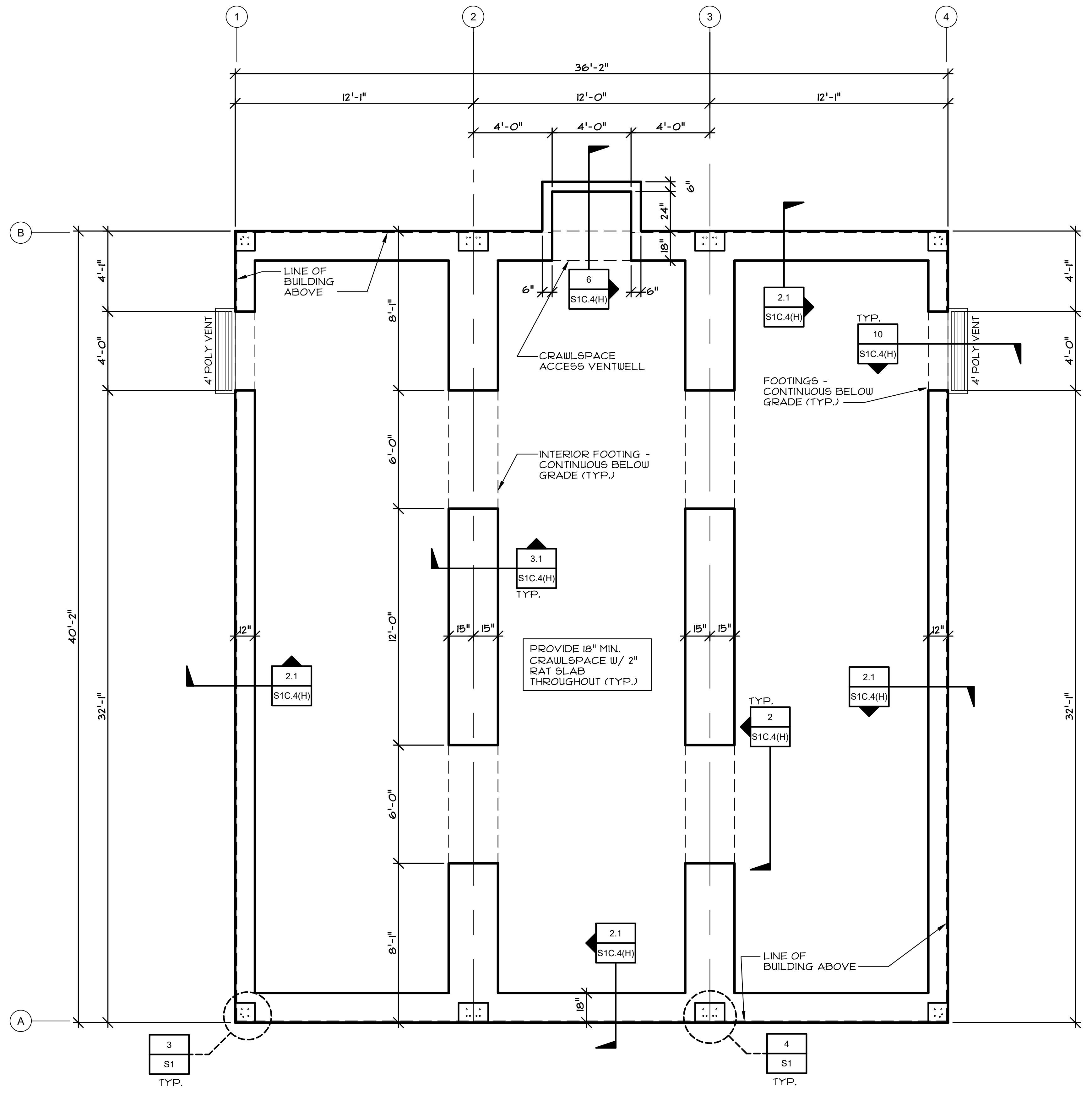
ELECTRICAL POWER/SIGNAL
&
LIGHTING PLAN

REV / DATE:

JOB No.: 22-000
DRAWN BY: AM
DATE: 08/25/22

A3.2

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122652 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/21/2022



UNDERFLOOR VENTILATION REQUIREMENTS		
BUILDING SIZE	36'x40'	
NET BUILDING AREA	1,440 / 150	
MIN. VENT AREA REQ'D.	9.6 SQ. FT.	
QTY. 6' VENTS	0	0 SQ. FT.
QTY. 4' VENTS	2	4.5 SQ. FT.
VENT WELL	1	6 SQ. FT.
VENT AREA PROVIDED		10.5 SQ. FT.

NOTE:
4' POLY VENT = 2.25 SQ. FT. VENT AREA
6' POLY VENT = 3.19 SQ. FT. VENT AREA
ACCESS/VENT WELL = 6.0 SQ F.T VENT AREA

1

FOUNDATION PLAN

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

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STANDARD ELEMENTARY SCHOOL
STANDARD SCHOOL DISTRICT

FOUNDATION PLAN

REV / DATE:

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DRAWN BY:	AM
DATE:	08/25/22

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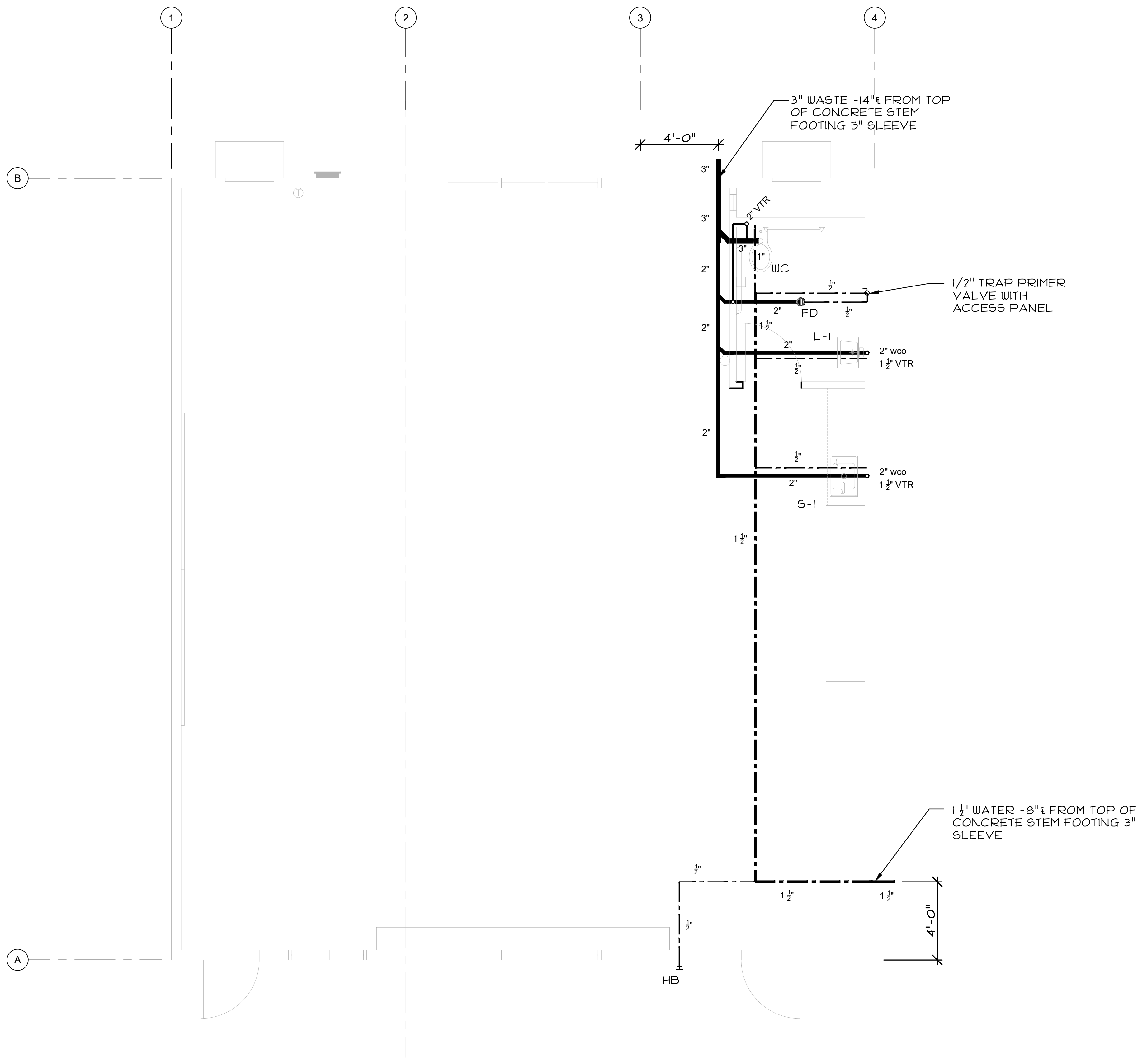

WATER CALC'S

1 WC @ = 40
1 L-1 @ 1 = 1
1 SINK @ 2 = 2
1 FD @ EMER = 0
1 HB @ 2.5 = 2.5

TOTAL 45.5 FU BUILDING SERVICE
300' COLUMN PIPE SIZE 1-1/2"
PER: CALIFORNIA PLUMBING CODE

WASTE CALC'S

1 WC @ 4EA = 4
1 L-1 @ 1EA = 1
1 S-1 @ 2EA = 2
1 FD @ EMER. = 0

TOTAL:
7 FU PIPE SIZE 3" SAMITARY
SERVICE. PER CALIFORNIA
PLUMBING CODE

SHEET NOTES & LEGEND

1) PLUMBING PER CALIFORNIA PLUMBING CODE
2) WASTE PIPING ABS PLASTIC PIPE & FITTINGS
3) WATER PIPING TYPE L COPPER
4) WCO = WALL CLEAN OUT
5) VTR = VENT THROUGH ROOF
6) S-1 = SINK
7) L-1 = LAVATORY
8) WC = WATER CLOSET
9) HB = HOSE BIB
10) FU = FIXTURE UNIT
11) TOC = TOP OF CONCRETE STEM FOOTING
12) FD = FLOOR DRAIN

1

PLUMBING PLAN - WATER & WASTE

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

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STANDARD ELEMENTARY SCHOOL
STANDARD SCHOOL DISTRICT

WATER & WASTE
PLUMBING PLANS

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