

**GENERAL CLASSROOM FOUNDATION PLAN WITH EOR-ALT ANCHOR**

**RESTROOM FOUNDATION PLAN (EXST) WITH EOR-ALT ANCHOR**

**GENERAL CLASSROOM FOUNDATION PLAN WITH EOR - ALT ANCHOR**

**GENERAL CLASSROOM FOUNDATION PLAN WITH EOR - ALT ANCHOR**

**1 PARTIAL SITE PLAN & CODE STUDY**  
 (11X17) SCALE: 1" = 20'  
 (22X34) SCALE: 1" = 10'

**CODE/ZONING INFORMATION**

**TABLE 705.2 MINIMUM DISTANCE OF PROJECTION**  
 NO ROOF OVERHANG OR ANY PROJECTION BEYOND FIRE-RESISTANCE WALL

**TABLE 705.5 FIRE-RESISTANCE RATING REQUIREMENTS FOR EXT. WALLS**  
**PORTABLE #1** | FSD = 10'-0" | VB CONSTRUCTION, E OCC  
 0 HOUR FIRE-RESISTANCE  
**PORTABLE #2** | FDS = 5'-0" | VB CONSTRUCTION, E OCC  
**1 HOUR FIRE-RESISTANCE FROM BOTH SIDES**  
**PORTABLE #3 & 4** | FDS = 10'-0" | VB CONSTRUCTION E OCC  
 0 HOUR FIRE-RESISTANCE  
**EXISTING JH GYM W/ 12" CMU** | FDS = 6'-11" | IIIB TYPE, E OCC  
**1 HOUR FIRE RESISTANCE**  
 EXISTING JH CLASS WING | FDS = 10'-0" | VB TYPE, E OCC  
 0 HOUR FIRE-RESISTANCE PROVIDED

**TABLE 705.8 MAX AREA OF EXTERIOR WALL OPNG**  
 5' <= FSD < 10' | UNPROTECTED, NON SPRINKLERED = MAX 10%  
 5' <= FSD < 10' | UNPROTECTED, SPRINKLERED = MAX 25%  
 \*FSD = FIRE SEPARATION DISTANCE

**705.11 PARAPETS**  
 NO PARAPET REQUIRES PER EXCEPTION 4  
 1 HR FIRE EXTERIOR WALL TERMINATE AT THE UNDERSIDE OF THE ROOF SHEATHING  
 ROOF FRAMING // TO THE WALL, NOT LESS THAN 1 HR FIRE RESISTANCE  
 CONSTRUCTION FOR 10'-0", MEASURED FROM THE INTERIOR SIDE OF THE WALL  
 NO ROOF OPENING WITHIN 5'-0" OF THE 1 HOUR FIRE RESISTANCE RATED EXTERIOR WALL  
 THE ROOFING IS CLASS A ROOF COVERING (MORE THAN CLASS B)

**TABLE 721.1(3), #21 1 HR FIRE RESISTANCE ROOF CONSTRUCTION**  
 SEE 2/A1.2 & NOTES

**TABLE 721.1(2) #15-1.14 1 HR FIRE RESISTANCE WALL CONSTRUCTION**  
 SEE 2/A1.2 & NOTES

**903.2.3 GROUP E, EXCEPTION 1**  
 NO FIRE-SPRINKLER REQUIRED;

PORTABLE SCHOOL CLASSROOMS WITH AN OCCUPANT LOAD OF 50 OR LESS CALCULATED IN ACCORDANCE WITH TABLE 1004.5. -> PER TABLE 1004.5, EA CLASSROOM WILL HAVE 40 STUDENTS < 50 STUDENTS PROVIDED THAT THE AGGREGATE AREA OF ANY CLUSTER OF PORTABLE SCHOOL CLASSROOMS DOES NOT EXCEED 6,000 SF; -> (3) CLUSTER OF PORTABLE SCHOOLS = 5,376 SF < 6,000 SF AND CLUSTERS OF PORTABLE SCHOOL CLASSROOMS SHALL BE SEPARATED AS REQUIRED BY THE BUILDING CODE -> PROVIDE APPROPRIATE FIRE SEPARATION AND/OR FIRE-RESISTANCE WALL

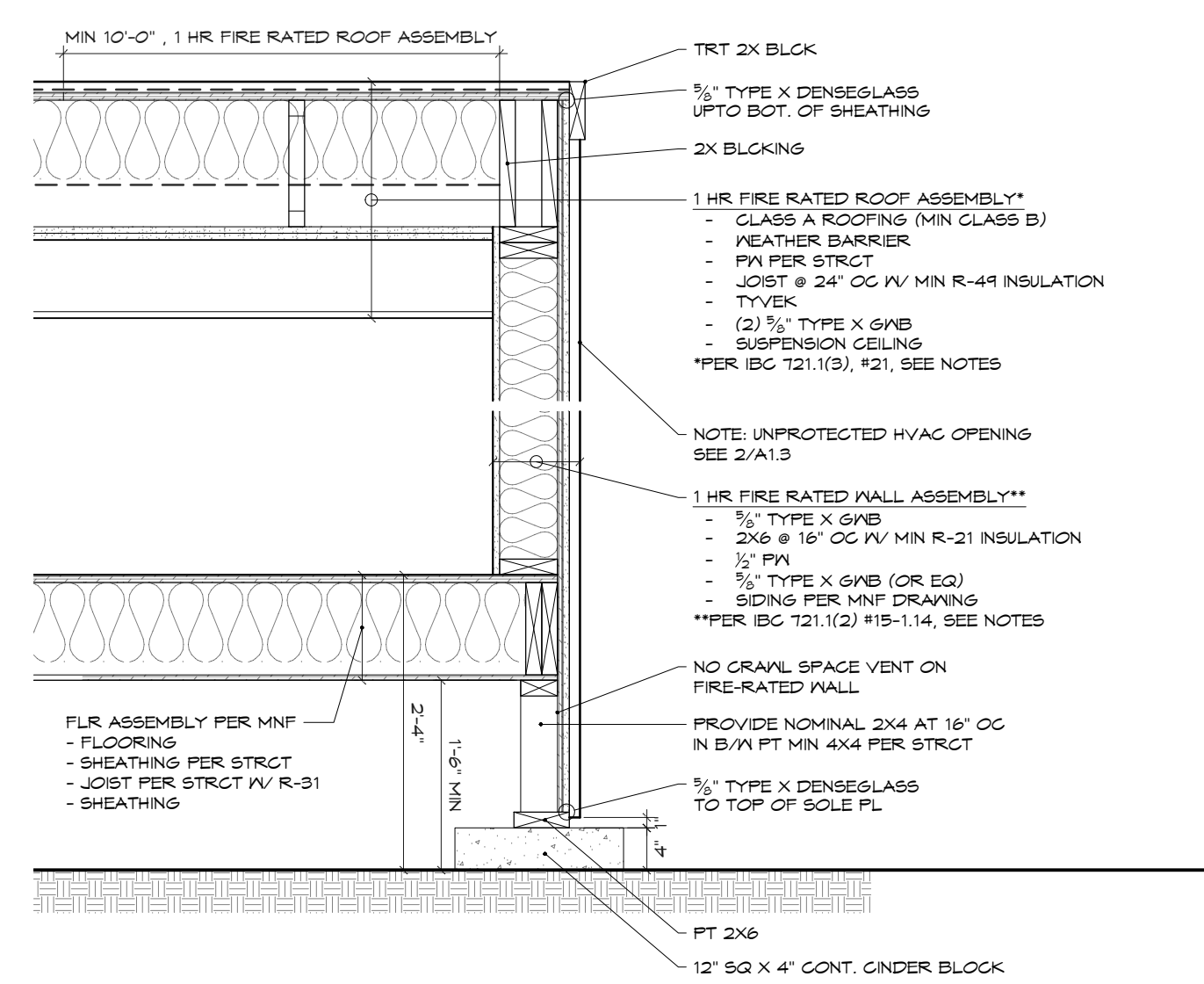
**906 PORTABLE FIRE EXTINGUISHERS**  
 2A:10B.C. REQUIRED

**907 FIRE ALARM AND DETECTION SYSTEMS**  
 FIRE-ALARM SYSTEM TO BE CONNECTED TO EXISTING SCHOOL SYSTEM

**TABLE 1004.5 MAX FLOOR AREA ALLOWANCE PER OCC**  
 EDUCATIONAL CLASSROOM AREA : 20 NET EA, CLASSROOM NET SF = 819 SF -> 40 STUDENTS \*  
 \* HOWEVER, ALLOWABLE STUDENTS PER HEALTH DEPARTMENT CODE IS LESS DUE TO MECHANICAL AIR FLOW REQUIREMENT, PER HEALTH DEPARTMENT, MAX # OF STUDENTS ARE 26 PER CLASSROOM. HOWEVER, FOR THE PURPOSE OF THE BUILDING CODE ANALYSIS, WE WILL USE 42 STUDENTS.  
 PLEASE REVIEW G0.1 FOR OCCUPANT LOAD CALCULATION

**SECTION 1005 MEANS OF EGRESS SIZING**  
 1005.3.1 STAIRWAYS:  
 OCC LOAD \* 0.3 | 60 OCC \* 0.3 = 18" -> PROVIDE 5'-0" WIDE  
 1005.3.2 OTHER EGRESS  
 OCC LAOD \* 0.2 | 80 OCC \* 0.2 = 16" -> PROVIDE 5'-0" WIDE  
 TABLE 1006.2.1 SPACES WITH ONE EXIT  
 PORTABLE CLASSROOM ONLY REQUIRES (1) EXIT  
 OCC E | OCC LOAD: 40 (<49) | DISTANCE: 40'-7" (<75')

**TABLE 2902.1 MIN NUMBER OF REQUIRED PLUMBING FIXTURES**  
 PLEASE REVIEW G0.1 FOR PLUMBING CALC

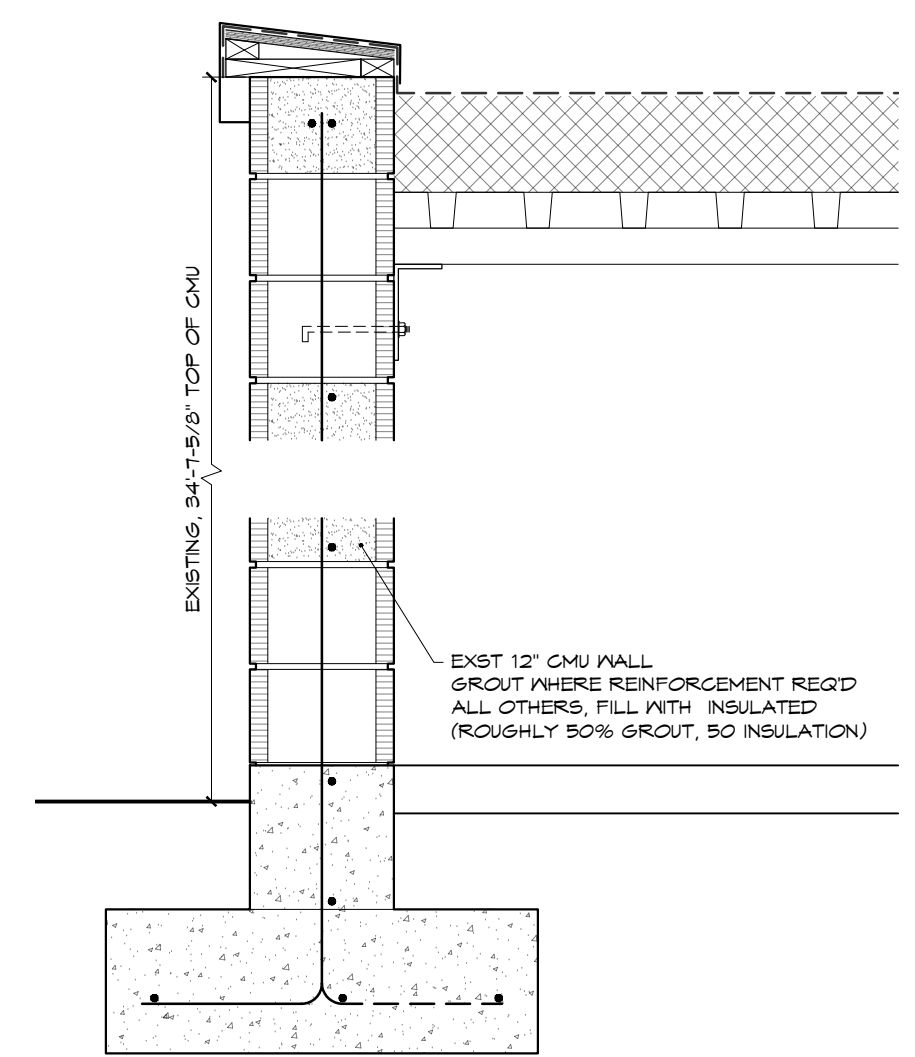


**2 PORTABLE DETAIL - 1 HR FIRE RESISTANCE**  
 (11X17) SCALE: 3/8" = 1'-0"  
 (22X34) SCALE: 3/4" = 1'-0"

**FIRE RATED ROOF & WALL NOTES:**

**TABLE 721.1(3), #21 1 HR FIRE RESISTANCE ROOF CONSTRUCTION**  
 WOOD JOISTS SPACED 24" OC W/ 1/2" WD STRUCTURAL PANELS WITH EXTERIOR GLUE APPLIED AT RIGHT ANGLES TO TOP OF JOIST WITH 8d NAILS. THE WOOD STRUCTURAL PANEL THICKNESS SHALL BE NOT LESS THAN NOMINAL 1/2" BASE LAYER: 3/8" TYPE X GWB, APPLIED AT RIGHT ANGLES TO JOIST W/ 1-3/4" TYPE X OR TYPE W DRYWALL SCREWS, 24" OC  
 FACE LAYER: 3/8" TYPE X GWB AT RIGHT ANGLES TO JOIST THROUGH BASE LAYER WITH 1-3/4" TYPE S OR TYPE W DRYWALL SCREWS 12" OC AT JOINTS AND INTERMEDIATE JOIST. FACE LAYER TYPE C DRYWALL SCREWS PLACED 2" BACK ON EITHER SIDE OF FACE LAYER END JOINTS, 12" OC.

**TABLE 721.1(2) #15-1.14 1 HR FIRE RESISTANCE WALL CONSTRUCTION**  
 2X6 WOOD STUD AT 16" OC WITH DOUBLE TOP PLATES, SINGLE BOTTOM PLATE INTERIOR AND EXTERIOR SIDES COVERED WITH 3/8" TYPE X GYPSUM WALLBOARD, 4" WIDE, APPLIED HORIZONTALLY OR VERTICALLY WITH VERTICAL JOINTS OVER STUDS, AND FASTENED WITH 2-1/4" TYPE S DRYWALL SCREWS, SPACED 7" OC.



**3 EXISTING JH GYM WALL SECTION**  
 (11X17) SCALE: 3/8" = 1'-0"  
 (22X34) SCALE: 3/4" = 1'-0"

**PAGE 1: SITE PLAN WITH NOTES**  
**PAGE 2: RESTROOM FOUNDATION PLAN(EXST)E**  
**PAGE 3: GENERAL CLASSROOM FOUNDATION PLAN (FIELD REV)**  
**PAGE 4: EOR LETTER - ALT ANCHORAGE**

Approval of submitted plans is not an approval of omissions or oversights by this office or non compliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable codes and regulations of the local government.

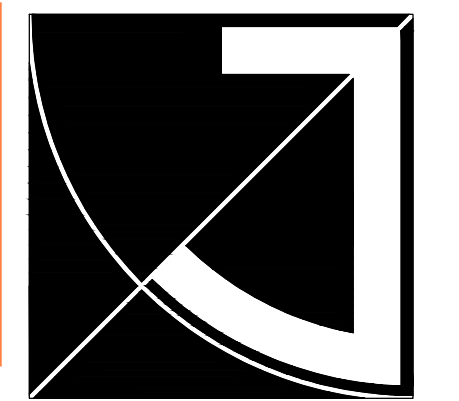
The approved construction plans, documents, and all engineering must be posted on the job at all inspections in a visible and readily accessible location.

Full sized legible color plans are required to be provided by the permittee on site for inspection.

Separate Electrical Permit is required with the Washington State Department of Labor & Industries.  
<https://lni.wa.gov/licensing-permits/electrical/electrical-permits-fees-and-inspections>  
 or call for Licensing Information: 1-800-647-0982

**City of Puyallup Building Reviewed for Compliance**  
 SKinnear  
 07/30/2025  
 10:38:04 AM

City of Puyallup Development & Permitting Services  
**ISSUED PERMIT**  
 Building Planning  
 Engineering Public Works  
 Fire Traffic



**JEFF BROWN ARCHITECTURE**

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 jeff@jeffbrownarchitecture.com

3774  
 JEFFREY E. BROWN  
 STATE OF WASHINGTON

PROJECT NAME/ADDRESS

**PRPF20250508**  
**CASCADE CHRISTIAN SCHOOLS**  
**ELEMENTARY SCHOOL**  
**PORTABLE PLACEMENTS**  
 811 21ST STREET SE  
 PUYALLUP, WA 98372

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PROJECT NUMBER  
 24001

DRAWING TYPE

**PERMIT DOCUMENT**

DATE	ISSUE	NO.
04.14.25	PREMIT	
05.23.25	REVISION-CITY	△
06.10.25	REVISION-STATE	
06.27.25	REVISION-STATE	

SHEET TITLE

**PARTIAL SITE & CODE STUDY**

SHEET #

**A1.2**

**STRUCTURAL NOTES**

**I. GENERAL:**

- BUILDING DIMENSIONS FROM THE MODULAR BUILDING MANUFACTURERS MAY VARY AND ADJUSTMENTS MAY BE MADE IN THE FIELD.
- ANY VARIATION IN INSTALLATION OR MATERIALS OF THE FOUNDATION REQUIRES ENGINEER CONCURRENCE PRIOR TO PURCHASE AND INSTALLATION OF THE FOUNDATION MATERIALS..

**2. DESIGN INFORMATION & LOADING:**

- BUILDING CODE  
IBC, 2021 EDITION & OSSC-2019
- BUILDING RISK CATEGORY II
- ROOF LIVE LOADS:  
14 PSF-GROUND SNOW LOAD  
25 PSF-ROOF DESIGN SNOW LOAD  
20 PSF-ROOF DESIGN LIVE LOAD
- FLOOR LIVE LOAD: CLASSROOM  
40 PSF UNIFORM  
1,000# CONCENTRATED
- WIND CRITERION:  
100 MPH, EXP B, KZT=1.0
- SEISMIC CRITERION: S<sub>ds</sub>=0.633, I<sub>e</sub>=1.0,
- SEISMIC CATEGORY, D
- BUILDING IS ON ASPHALT & CONCRETE PAVEMENT.
- REF: LAYOUT S

**NEW - RESTROOM UNIT  
FOUNDATION PLAN (EXST)**

**3. ABS PADS :**

- 18"x16"x1", MIN. ABS PADS ARE USED.
- REF: LAYOUT S

**4. MASONRY:**

- 8x16 UNITS ASTM C-90, GRADE N
- UNITS MAY BE 8" &/OR 4" NOMINAL HEIGHT UNITS.
- SET SINGLE DRY-STACKED UNITS W/CORES VERTICAL & NO MORE THAN 36-INCHES HIGH, PER PLAN.
- SET DOUBLE ALTERNATING DRY-STACKED UNITS W/CORES VERTICAL & NO MORE THAN 67-INCHES HIGH, PER PLAN.
- IF HIGHER THAN 67-INCHES A SPECIAL STRUCTURAL REVIEW IS REQUIRED.

**5. WOOD:**

- ALL WOOD MEMBERS OF THE FOUNDATION SYSTEM SHALL BE SPF-STD OR BETTER, UNLESS NOTED OTHERWISE.
- ALL WOOD IN CONTACT WITH SOIL, ASPHALT, MASONRY, OR CONCRETE SHALL BE PRESSURE TREATED (P.T.), FOR EXPOSURE.
- ALL WOOD WITHIN 18-INCHES OF SUBGRADE TO BE TREATED FOR EXPOSURE AND INSECTS.
- CONNECTORS IN CONTACT WITH P.T. WOOD TO BE HOT-DIPPED GALVANIZED OR STAINLESS STEEL CONNECTORS.

**6. SPECIALTY ITEMS:**

TRANSVERSE AND LONGITUDINAL ANCHORS TO BE ASPHALT ANCHOR- TIE DOWN ENGINEERING PRODUCT# 59367 OR EQUIVALENT MIN 1889 LB. SOIL ANCHOR MMA 30, 4430 DH 3/4" ROD, DdL. 4" DISC 30" ANCHOR

- COMPLETE FINAL ADJUSTMENT OF TIES TO BUILDING ONLY AFTER BUILDING IS FULLY BLOCKED AND LEVELED.
- INSTALL ALL SPECIALTY ITEMS PER THE MANUFACTURER'S RECOMMENDATIONS.

**7. ACCESS:**

- PROVIDE MINIMUM 18"x24" ACCESS TO THE UNDER FLOOR AREA.

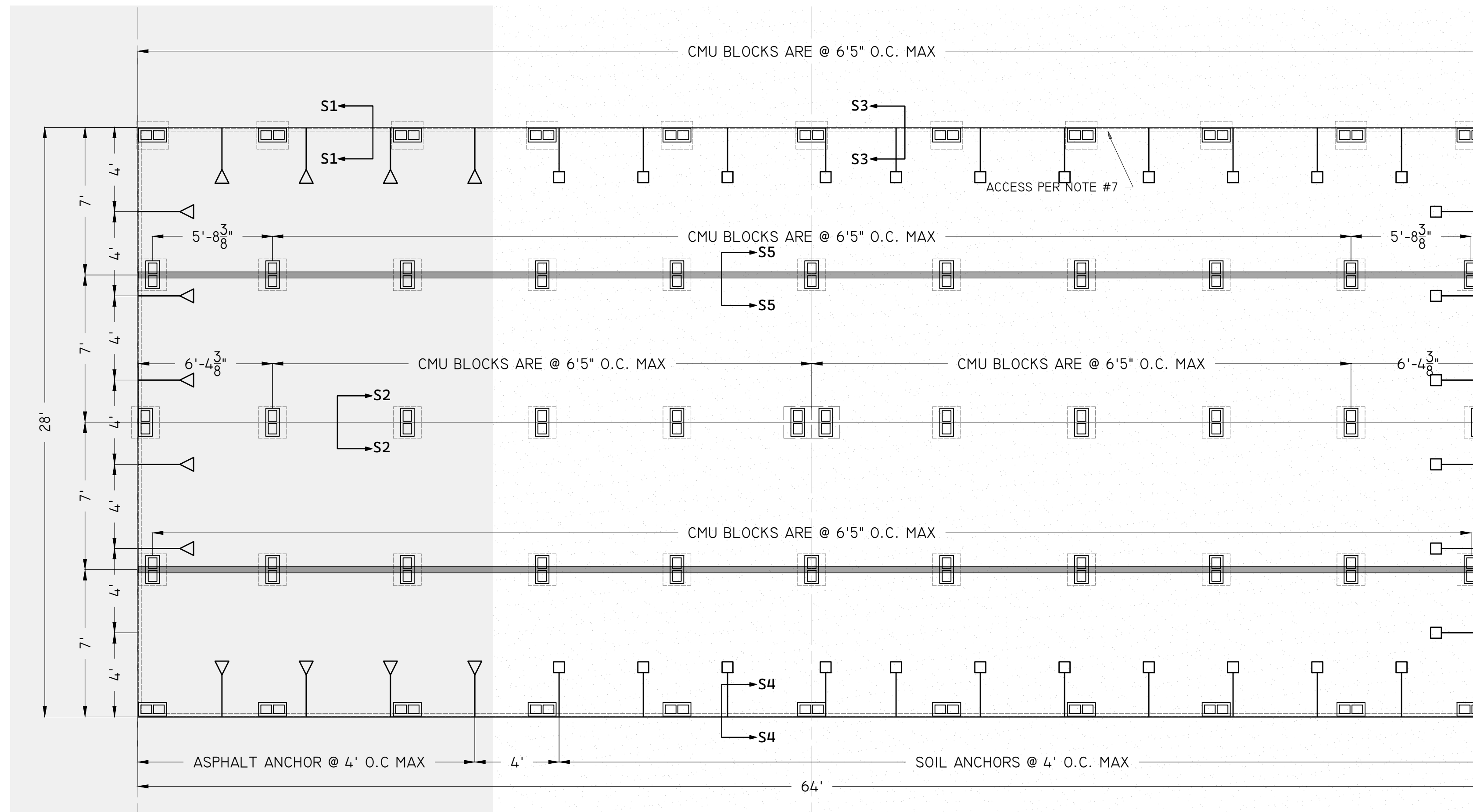
**ANCHORS:**  
the number of asphalt vs soil anchors required to be determined onsite



**FIGURE 1**  
ASPHALT ANCHOR  
TIE DOWN ENGINEERING  
PRODUCT# 59367 OR  
EQUIVALENT MIN WLL 1889 LB.



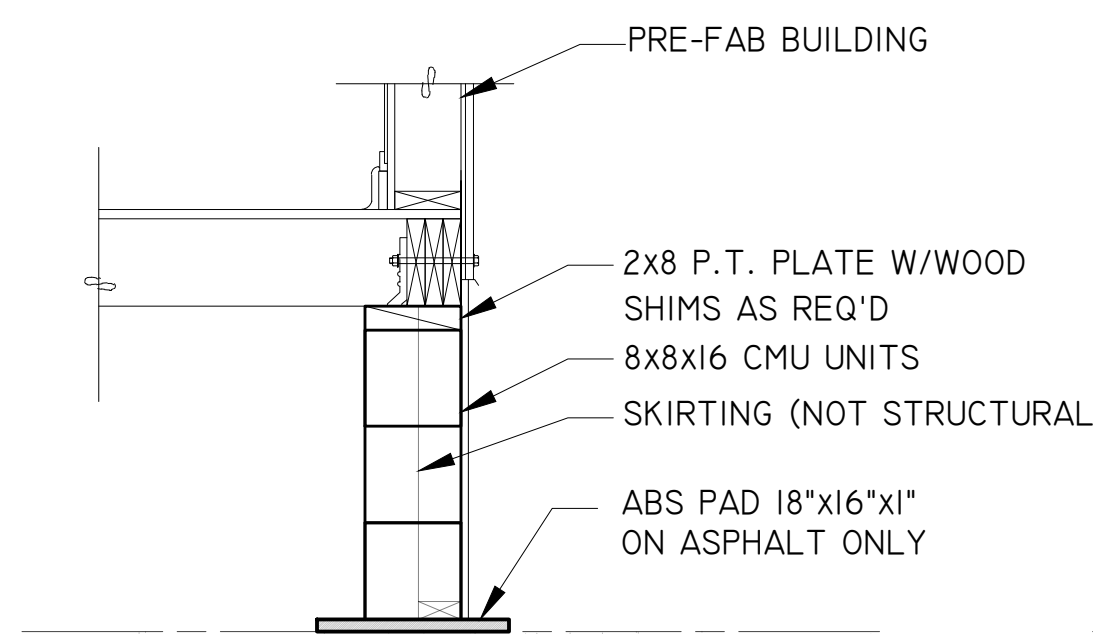
**FIGURE 2**  
SOIL ANCHOR  
TIE DOWN ENGINEERING  
MMA 30, 4430 DH 3/4" ROD,  
DDL. 4" DISC 30" ANCHOR



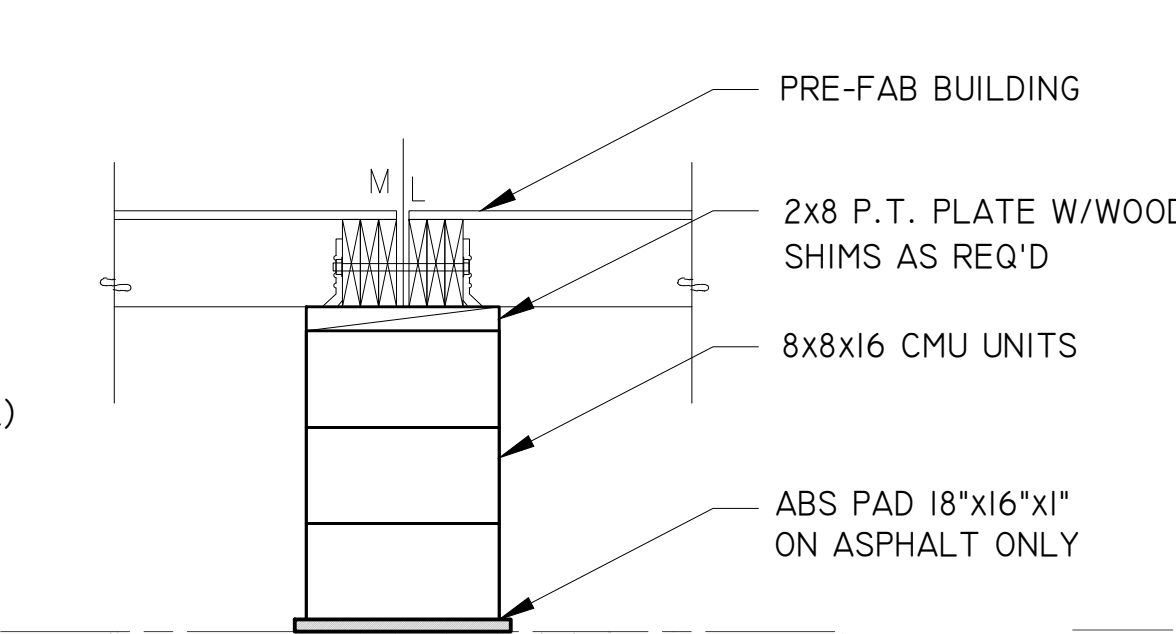
**S** ▶ 28X64 CLASSROOM - FOUNDATION PLAN  
1/4" = 1'-0"

**LEGEND**

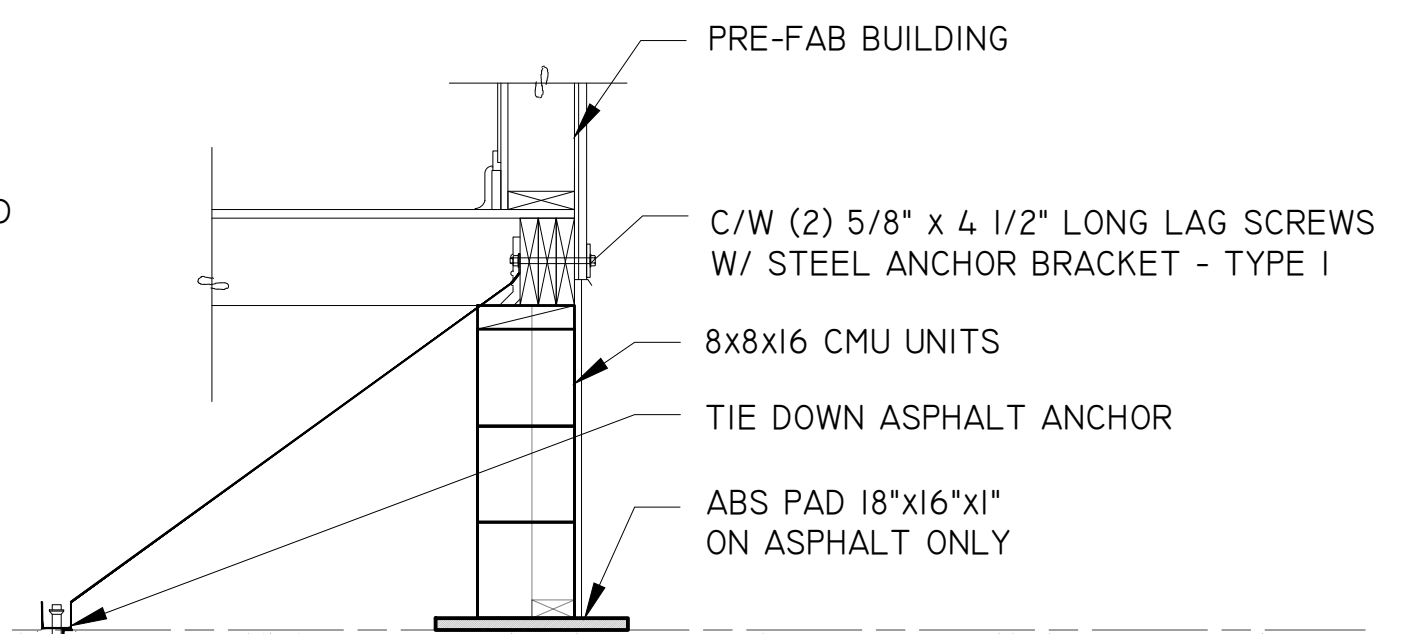
- ▶ ASPHALT ANCHOR  
REF: FIGURE 1
- SOIL ANCHOR  
REF: FIGURE 2



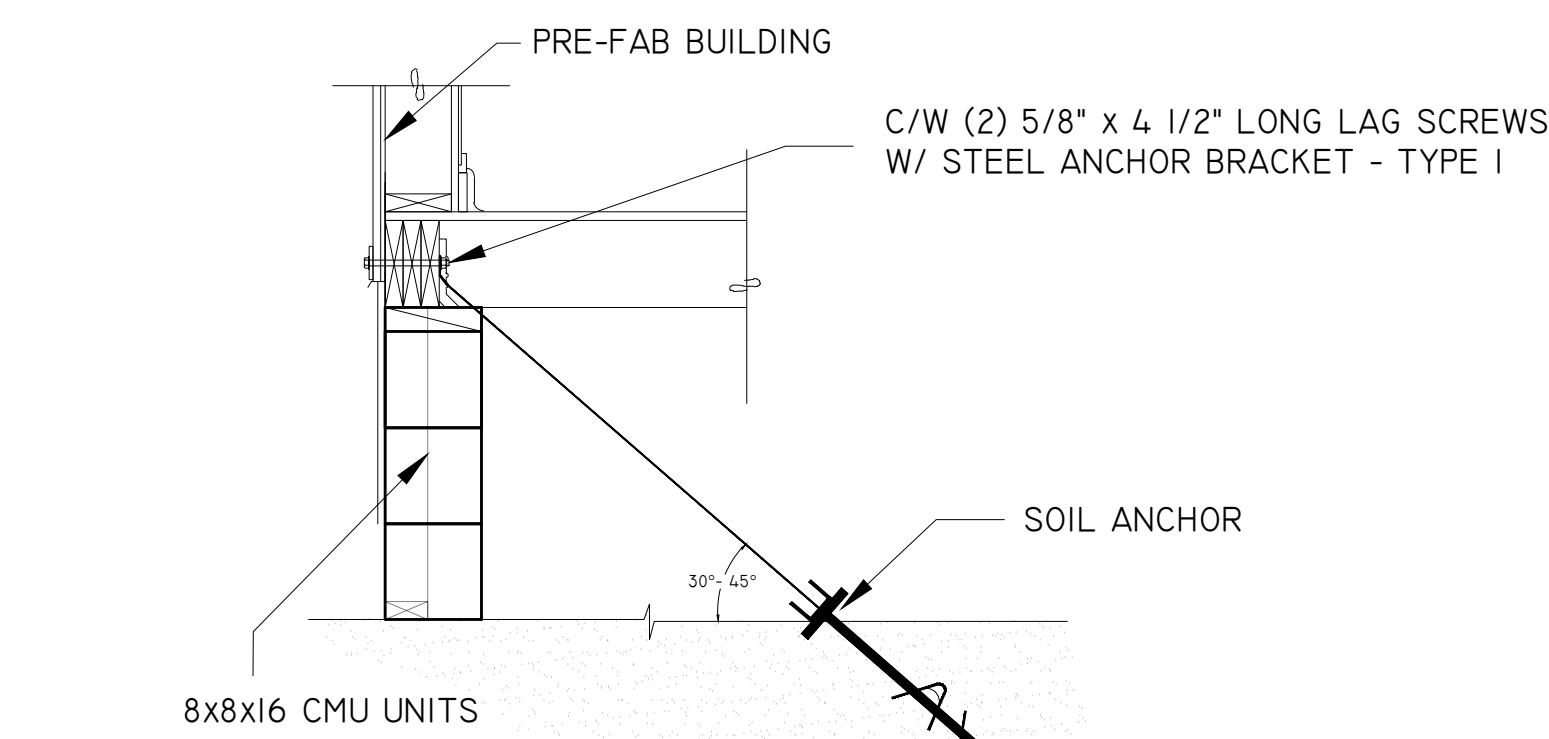
**S1** ▶ PERIMETER SUPPORT  
3/4" = 1'-0"



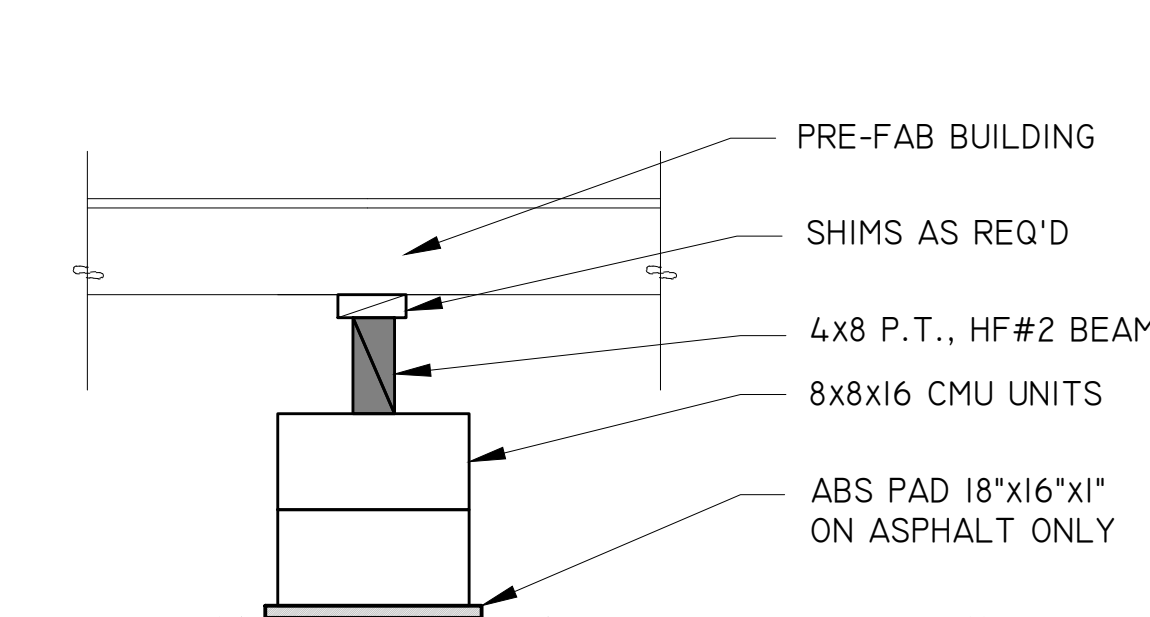
**S2** ▶ MATELINE SUPPORT  
3/4" = 1'-0"



**S3** ▶ ASPHALT ANCHOR  
3/4" = 1'-0"

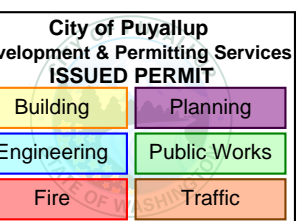


**S4** ▶ SOIL ANCHOR  
3/4" = 1'-0"



**S5** ▶ MID- SPAN FLOOR SUPPORT  
3/4" = 1'-0"

PRPF20250508



STAMP



**REV NOTES**

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REV	DESCRIPTION	MM/DD/YY
0	IFC	03/18/25
1	ORIGINATOR: AD	CHECKER: SJ
2		APPROVER: JJ

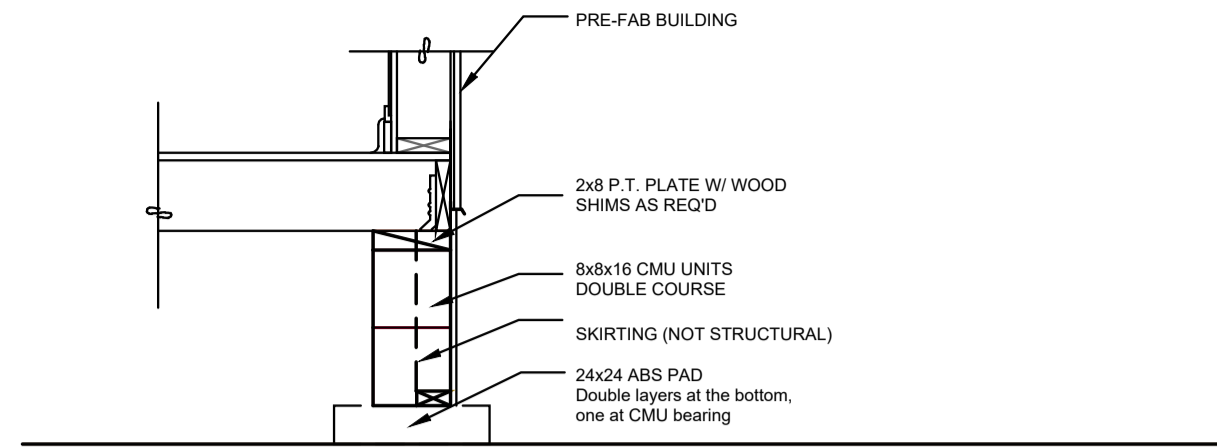
PLANT ADDRESS  
1106 NORTH TEMPLE DRIVE DIBOLL  
TX 75941 PH: (936) 829.6087

PROJECT  
CASCADE CHRISTIAN SCHOOL

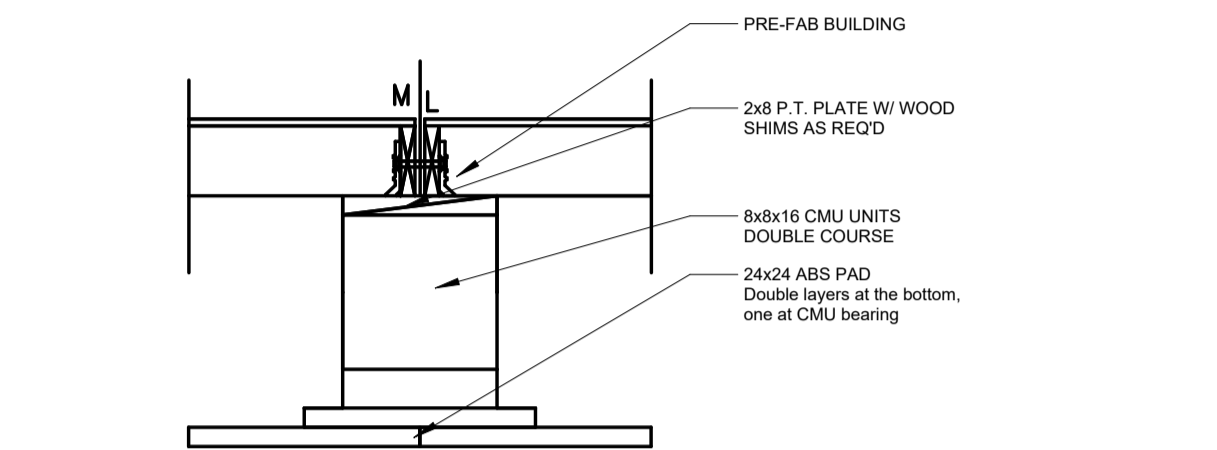
PROJECT NO. / PROGRAM NO/  
**2024-SR-021-RI**

DRAWING TITLE  
FOUNDATION DETAILS

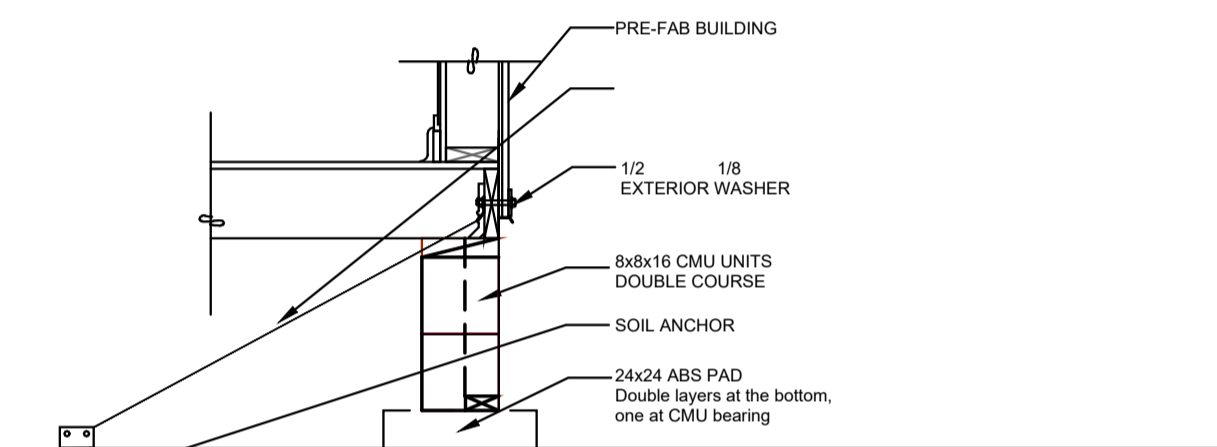
SHEET NO.  
**F1**



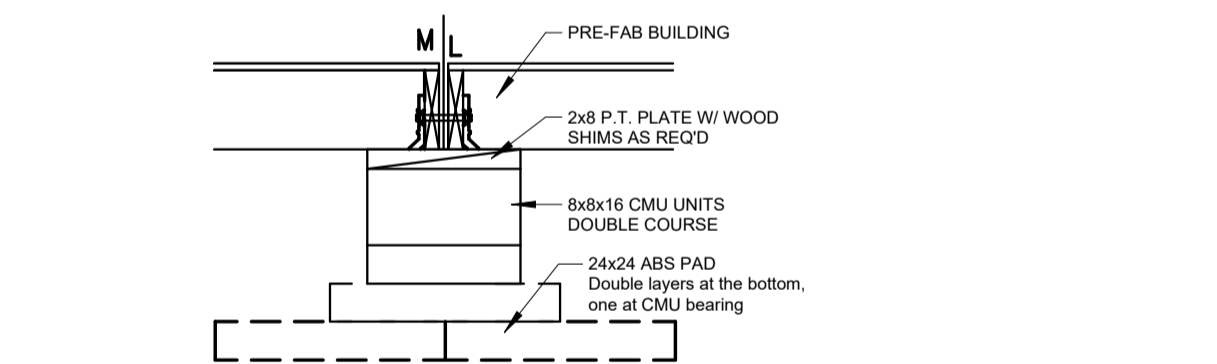
**2 PERIMETER SUPPORT**  
1:20



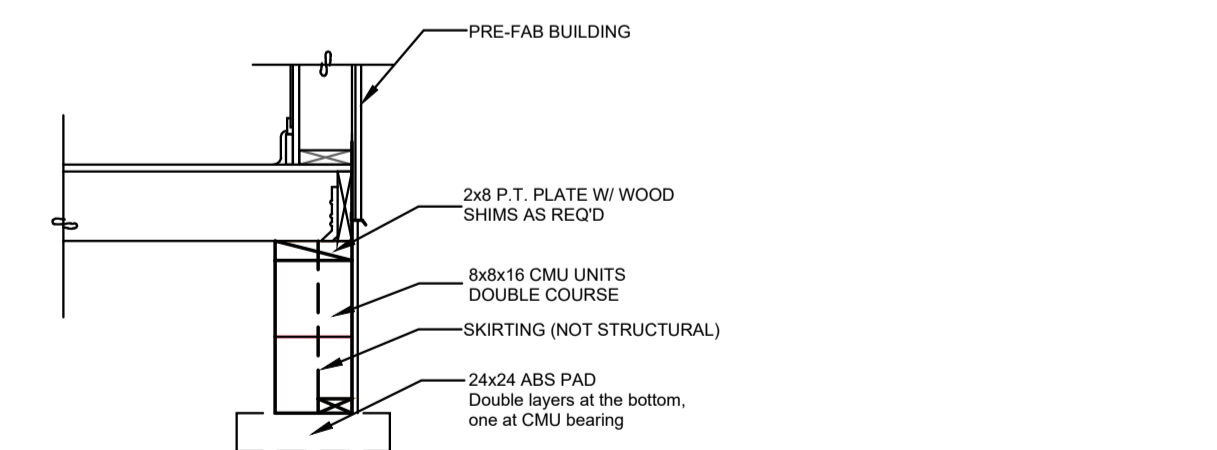
**3 MATELINE SUPPORT**  
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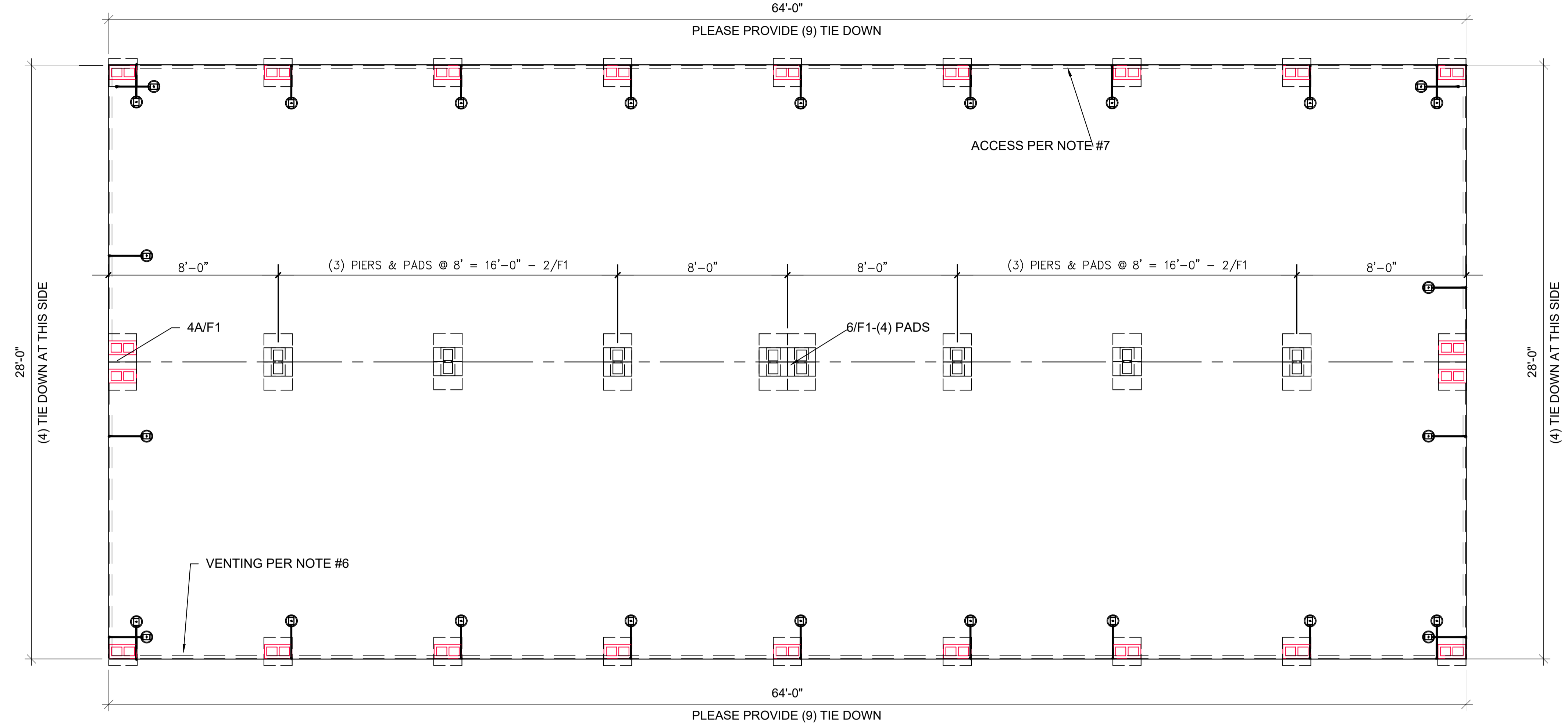
**4 SOIL ANCHOR**  
1:20



**5 INTERIOR COLUMN SUPPORT**  
1:20

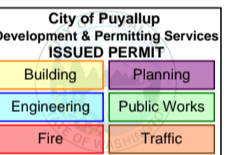


**6 EXTERIOR MATELINE SUPPORT**  
1:20



**1 FOUNDATION PLAN**  
1:40

**GENERAL CLASSROOM  
FOUNDATION PLAN (Field Rev)**



PRPF20250508

**STRUCTURAL NOTES**

1. GENERAL:
  - 1.1. BUILDING DIMENSIONS FROM THE MODULAR BUILDING MANUFACTURERS MAY VARY AND INSIGNIFICANT ADJUSTMENTS MAY BE MADE IN THE FIELD.
  - 1.2. ANY VARIATION IN INSTALLATION OR MATERIALS OF THE FOUNDATION REQUIRES ENGINEER CONCURRENCE PRIOR TO PURCHASE AND INSTALLATION OF THE FOUNDATION MATERIALS.
  - 1.3. A GEOTECHNICAL REPORT WAS NOT PROVIDED FOR THIS DESIGN. IBC MINIMUM VALUES FOR SOIL BEARING WAS USED. VERIFY BEARING CAPACITY WITH LOCAL BUILDING OFFICIAL PRIOR TO INSTALLATION. OWNER IS RESPONSIBLE FOR PROVIDING A STABLE, LEVEL AND SMOOTH SUBGRADE.
2. DESIGN INFORMATION & LOADING:
  - 2.1. BUILDING CODE
    - 2.1.1. IBC, 2018 EDITION & OSSC-2019
    - 2.1.2. BUILDING RISK CATEGORY II
  - 2.2. ROOF LIVE LOADS:
    - 2.2.1. 45 PSF-GROUND SNOW LOAD
    - 2.2.2. 45 PSF-ROOF DESIGN SNOW LOAD
    - 2.2.3. 20 PSF-ROOF DESIGN LIVE LOAD
  - 2.3. FLOOR LIVE LOAD: CLASSROOM
    - 2.3.1. 40 PSF UNIFORM
    - 2.3.2. 1,000# CONCENTRATED
  - 2.4. WIND CRITERION:
    - 2.4.1. Vult=130 MPH, Vasd=101 MPH, EXP C, Kzt=1.0
  - 2.5. SEISMIC CRITERION: Sds=1.398, S1=0.486, Ie=1.0, SEISMIC CATEGORY, D
  - 2.6. ASSUMED SOIL BEARING: 2,000 PSF, ASSUMED SITE SOIL CLASS D-DEFACED
3. CONCRETE: (16"x16"x4", MIN. PRECAST BEARING PADS)
  - 3.1. DESIGN COMP. STRENGTH 2,500 PSI
  - 3.2. REINF. YIELD 60 KSI
4. MASONRY:
  - 4.1. 8x16 UNITS ASTM C-90, GRADE N
  - 4.2. UNITS MAY BE 8" &/OR 4" NOMINAL HEIGHT UNITS.
  - 4.3. SET SINGLE DRY-STACKED UNITS W/CORES VERTICAL & NO MORE THAN 24-INCHES HIGH, PER PLAN.
  - 4.4. SET DOUBLE ALTERNATING DRY-STACKED UNITS W/CORES VERTICAL & NO MORE THAN 48-INCHES HIGH, PER PLAN.
  - 4.5. SET DOUBLE ALTERNATING DRY-STACKED UNITS W/CORES VERTICAL. CELLS GROUTED TO WITHIN (3) UNITS FROM TOP, NO MORE THAN 72-INCHES HIGH, PER PLAN. IF HIGHER THAN 72-INCHES A SPECIAL STRUCTURAL REVIEW IS REQUIRED.
5. WOOD:
  - 5.1. ALL WOOD MEMBERS OF THE FOUNDATION SYSTEM SHALL BE SPF-STD OR BETTER, UNLESS NOTED OTHERWISE.
  - 5.2. ALL WOOD IN CONTACT WITH SOIL, ASPHALT, MASONRY, OR CONCRETE SHALL BE PRESSURE TREATED (P.T.), FOR EXPOSURE.
  - 5.3. ALL WOOD WITHIN 6-INCHES OF SUBGRADE TO BE TREATED FOR EXPOSURE AND INSECTS.
  - 5.4. CONNECTORS IN CONTACT WITH P.T. WOOD TO BE HOT-DIPPED GALVANIZED OR STAINLESS STEEL CONNECTORS.
  - 5.5. WOOD BEARING PADS MAY BE SUBSTITUTED FOR 24x24 CONCRETE PADS ONE FOR ONE AND SHALL BE P.T. 2x12-24" LONG, MIN.
6. SPECIALTY ITEMS:
  - 6.1. METAL PIERS TO BE CAPABLE OF SUPPORTING 6,000#
  - 6.2. ABS PADS MAY BE SUBSTITUTED FOR 16x16 CONCRETE PADS ONE FOR ONE AND SHALL BE "BLACK PAD" OR EQUIVALENT. 16"x16", MIN.
  - 6.4. TRANSVERSE & LONGITUDINAL SOIL ANCHORS TO BE MINUTEMAN ANCHORS, MARK 'MMA-35' MODEL '36-XDH', X-DRIVE ANCHORS OR EQUIVALENT W/ A MIN. ALLOWABLE DESIGN LOAD OF 1,800# IN ASPHALT.
  - 6.5. UPLIFT SOIL ANCHORS TO BE MINUTEMAN ANCHORS, MARK 'MMA-92', MODEL '4430 EZDH 3 4' OR 'GW-2 -NC1' AUGER STYLE SOIL ANCHORS W/STABILIZER HEAD OR EQUIVALENT W/ A MIN. ALLOWABLE DESIGN LOAD OF 3,150#. PRE-DRILL ASPHALT AND BASE PRIOR TO INSTALLATION. REFILL DRILLED HOLE.
  - 6.6. COMPLETE FINAL ADJUSTMENT OF TIES TO BUILDING ONLY AFTER BUILDING IS FULLY BLOCKED AND LEVELLED.
  - 6.7. INSTALL ALL SPECIALTY ITEMS PER THE MANUFACTURER'S RECOMMENDATIONS.
7. VENTING:
  - 7.1. IF CRAWLSPACE IS ENCLOSED, PROVIDE UNDER FLOOR VENTILATION AT 1 NET SF OF VENTILATION PER 150 SF OF FLOOR AREA.
  - 7.2. IF A CLASS 1 VAPOR RETARDER IS INSTALLED THE RATIO MAY BE INCREASED TO 11500.
8. ACCESS:
  - 8.1. PROVIDE MINIMUM 18"x24" ACCESS TO THE UNDER FLOOR AREA.
  - 8.2. PROVIDE 18" MIN. CLEARANCE FROM SOIL TO UNDERSIDE OF ANY UNTREATED WOOD MEMBER.
  - 8.3. PROVIDE 12" MIN. CLEARANCE UNDER FROM SOIL TO UNDERSIDE OF ALL BUILDING MEMBERS.
9. SITE CONDITIONS:
  - 9.1. FOUNDATION SUBGRADE TO BE 2-INCH MINIMUM ASPHALT PAVEMENT OVER A MINIMUM OF 4-INCH THICK COMPACTED ROAD-MIX GRAVEL PAD OVER UNDISTURBED NATIVE SUITABLE STABLE SOILS OR STRUCTURAL FILL.



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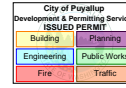
By Yuri at 12:06:36 AM, 5/15/2024

REV.	DATE	DESCRIPTION	GM BY	CHK/APR
1	2024-04-17	ISSUED FOR PERMIT		

PROJECT:	28x64 CLASSROOM			DRAWING TITLE:	FOUNDATION / CRAWLSPACE PLAN		
CLIENT:	ATCO STRUCTURES AND LOGISTICS			PROJECT NO:	1106442-A	DRAWING NO:	SC100
				REV. #			1

STRUCTURAL CONSULTANT  
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5760 Legacy Dr. Ste B3-333. Plano, TX 75024  
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PRPF20250508



Date: July 30, 2025

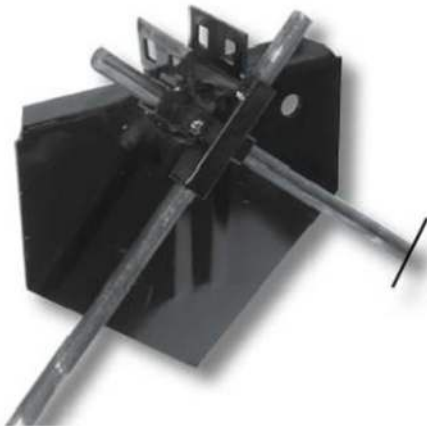
Project: **Cascade Christian Schools Classroom/Washcar/ATCO stock classrooms at Puyallup, WA**

Subject: Certified Letter for X-Plate Anchor

Letter shall only apply to foundations stamped by the this engineer.

To Whom it may concern,

The purpose of this letter is to certify that the modular tie-down earth auger anchor may be substitute with X-Plate anchor for difficult class 2 soil condition. The number of anchors, however, shall be increased by 43% at each tie-down direction. (Lateral capacity of Earth auger is 3150 lb. Thus  $3150 \text{ lb} / 2200 \text{ lb} = 143\%$ ). For Example: If the original number of earth auger tie-down is 9 per the long side of building, and 4 per the gable end side of the building. Therefore, using the X-Plate anchors, the revised quantity shall be 13 per the long side of the building, and 6 per the gable end side of the building. The anchor shall be placed at approximately equally spaced, plus minus 12".



**X-Plate Anchor**  
Stabilized Cross Drive  
Anchor For difficult  
class 2 Soils. 2200 lb.  
working load at 50 degrees  
max angle.

**Black Paint Part #59118**

Geotechnical engineer shall verify the soils class as class 2 or better prior to the installation of the alternate anchors. Report from the the geotechnical engineer will be required at time of inspection.

If you have any questions regarding this, please let me know.

Sincerely,

Yurianto Yurianto, S.E. \*, P.E., M.Sc.

Structural Consultant.

\* S.E. in the State of IL, NV, HI, AZ, OK, MA, GA



By Yuri at 12:11:26 PM, 7/30/2025