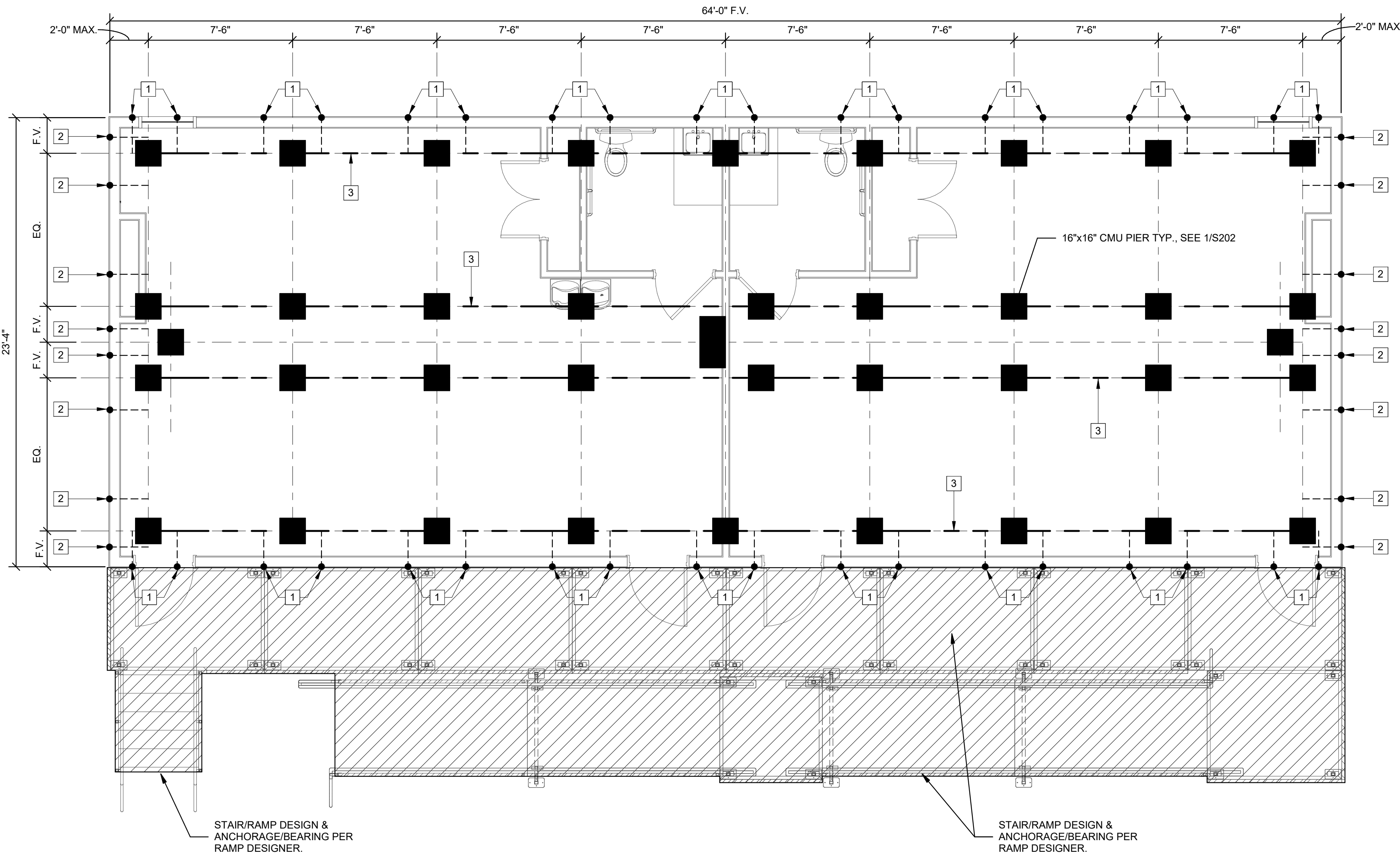
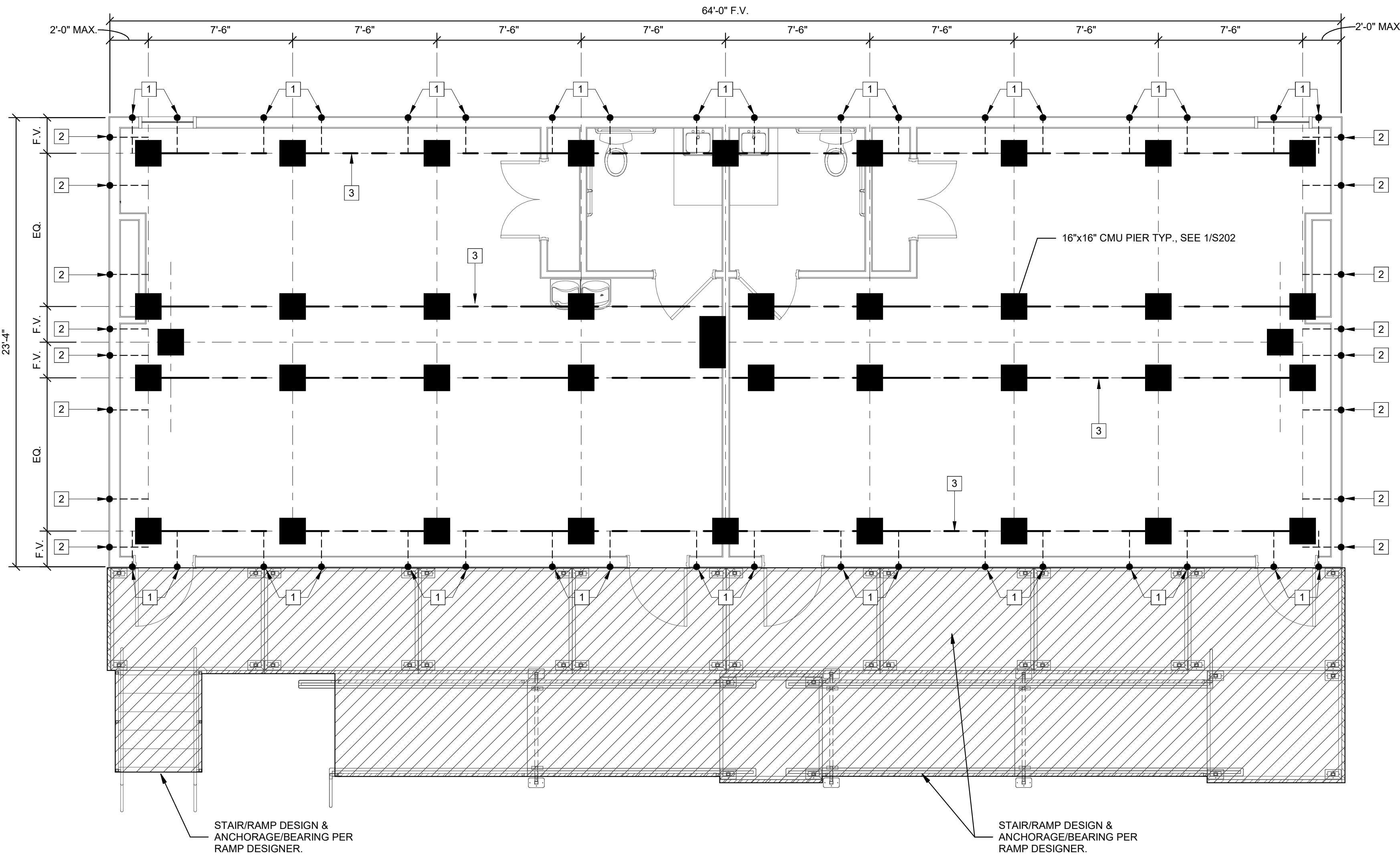




FOUNDATION PLAN - RELOCATABLE
(PORTABLE 1)

1/4" = 1'-0"



FOUNDATION PLAN - RELOCATABLE
(PORTABLE 2)

10 1/4" = 1'-0"

KEYED NOTES (THIS SHEET ONLY)

- INDICATES LOCATION OF EARTH ANCHOR WITH DIAGONAL STRAP ANCHORAGE, SEE S202.
- INDICATES LOCATION OF EARTH ANCHOR WITH DIAGONAL STRAP ANCHORAGE, SEE S203.
- EXISTING STEEL BEAM.

GENERAL NOTES

- SEE S201 FOR EARTH ANCHOR REQUIREMENTS & PROPERTIES AND SEE 1/S201 FOR INSTALLATION PROCEDURES.
- PIER & ANCHOR LAYOUT IS BASED ON PHYSICAL OBSERVATIONS FOR THE SPECIFIC RELOCATABLE UNIT SHOWN HEREIN. NOTIFY EOR OF ANY DISCREPANCIES.
- FV = FIELD VERIFY.
- NEW CMU PIER SEE TYPICAL DETAIL.
- ADC ASSUMING PORTABLE IS BEING RELOCATED.

ROOF TRUSS CONNECTION

- OWNER SHALL CONFIRM THAT A HURRICANE CLIP HAS BEEN INSTALLED ON EACH TRUSS BY REMOVING A SOFFIT PANEL AND INSPECTING FOR A METAL CLIP. THE OWNER SHALL INSTALL A METAL CLIP AT EACH RAFTER PER DETAIL S201.

SHEATHING REQUIREMENTS

- THE EXISTING SHEATHING IS SATISFACTORY, BUT THE NAILING IS NOT.
- SIMPSON CEMENTITIOUS PANEL SCREWS: T08C225WOC, #8 2 1/4, 0.395, 2 1/4" MAYBE USED INSTEAD OF THE GALV. 8D NAILS. USE THE NAILING PATTERN FOR THE SHEATHINGS, SCREWING THROUGH THE SIDING, SHEATHING, AND INTO THE STUDS.
- TO BE AT ALL EXTERIOR SHEATHING AT EACH STUD AND ALONG TOP & BOTTOM PLATES.

GENERAL NOTES

- ALL DESIGN INCLUDED HEREIN (INCLUDING FOUNDATIONS AND EARTH ANCHORS) HAS BEEN PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2012 SOUTH CAROLINA MINIMUM SPECIFICATION GUIDE FOR RELOCATABLE CLASSROOMS.
- IN CASE OF CONFLICT BETWEEN VARIOUS STRUCTURAL DRAWINGS, OR STRUCTURAL PLANS AND DETAILS, THE MORE STRINGENT SHALL GOVERN.
- IN CASE OF CONFLICT BETWEEN DRAWINGS, NOTES, AND SPECIFICATIONS THE MORE STRINGENT SHALL GOVERN.
- WORK NOT INDICATED ON THE DRAWINGS, BUT REASONABLY IMPLIED TO BE SIMILAR TO THAT SHOWN AT CORRESPONDING PLACES SHALL BE REPEATED.
- ALL NOTES, DETAILS AND SECTIONS ARE INTENDED TO BE TYPICAL FOR THE GENERAL CONDITIONS INDICATED OR REFERENCED. ALL NOTES, DETAILS AND SECTIONS SHALL APPLY TO ANY SIMILAR SITUATION THROUGHOUT THE ENTIRE PROJECT UNLESS A SEPARATE NOTE, DETAIL OR SECTION IS PROVIDED.
- REVIEW ALL PROJECT DOCUMENTS PRIOR TO FABRICATION AND START OF CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE OWNER OR OWNER'S REPRESENTATIVE PRIOR TO PROCEEDING WITH WORK.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT EXISTING AND IN PLACE WORK OR UTILITIES DURING CONSTRUCTION.
- CONTRACTOR SHALL MAKE NO DEVIATIONS FROM THE CONTRACT DOCUMENTS WITHOUT WRITTEN APPROVAL.

FOUNDATIONS

- CENTER ALL FOUNDATIONS BENEATH THEIR RESPECTIVE WALL OR COLUMN UNLESS NOTED OTHERWISE.
- ALL FOUNDATION EXCAVATIONS SHALL BE DEWATERED PRIOR TO PLACING CONCRETE.
- ALL FOOTINGS SHALL REST ON UNDISTURBED SOIL OR A MANUALLY OPERATED VIBRATORY SLED OR TAMPER SHALL BE USED TO DENSIFY ANY SOILS IN THE BOTTOM OF FOOTING TRENCHES LOOSENEED DURING THE EXCAVATION OPERATION.

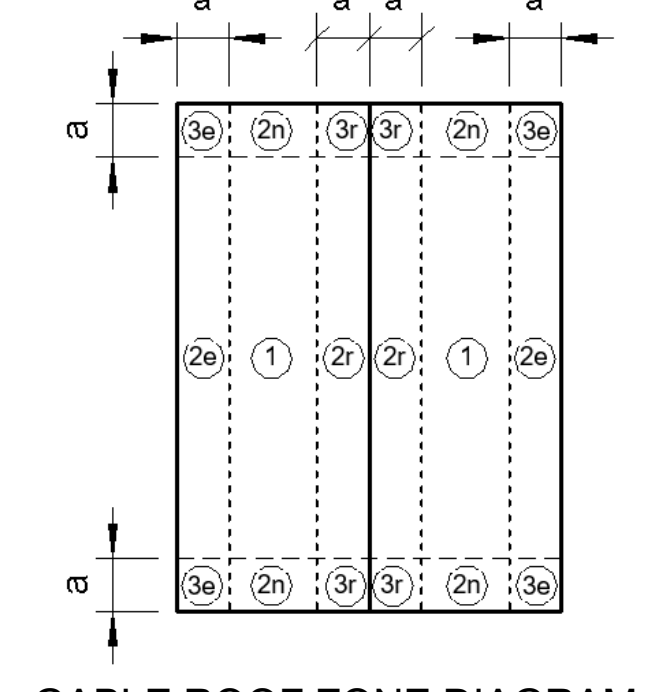
MASONRY

- MASONRY UNITS SHALL CONFORM TO ASTM C90 WITH A MINIMUM COMPRESSIVE STRENGTH OF 1900 PSI ON NET SECTION.

EARTH ANCHORS

- ALL EARTH ANCHORS SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES:
 - LENGTH = 48"
 - SHAFT DIAMETER = 5/8"
 - HELIX DIAMETER = MIN. (1) @ 6" (SEE NOTE 5)
 - STABILIZER PLATE SIZE = 11"x17"
- THE USE OF THE TERM EARTH ANCHOR SHALL BE EQUIVALENT TO HELICAL ANCHOR AND GROUND ANCHOR.
- EARTH ANCHORS SHALL HAVE "U" SHAPED HEADS THAT ACCOMMODATE (2) BOLTS FOR STRAP ATTACHMENT AND SHALL INCLUDE A MECHANISM TO MAINTAIN STRAP TENSION.
- EARTH ANCHORS SHALL BE INSTALLED USING MACHING INSTALLATION. PRE-DRILLING OF HOLES OR SOIL EXCAVATION TO AID ANCHOR INSTALLATION SHALL NOT BE PERMITTED.
- ANCHORS HAVE BEEN SELECTED BASED ON WORST-CASE SOIL CONDITIONS. IF DURING INSTALLATION ANCHORS CANNOT BE INSTALLED AS REQUIRED, EOR SHALL BE NOTIFIED AND ADDITIONAL SOIL EXPLORATION MAY BE NECESSARY. REFER TO ANCHOR MANUFACTURERS SOIL PROBE & TORQUE DATA FOR ALTERNATE RECOMMENDED HELIX CONFIGURATIONS FOR VARYING SOIL CONDITIONS.

COMPONENT & CLADDING PRESSURES (GABLE)				
COMPONENT	ZONE	AREA (SQ. FT.)	MAXIMUM WIND PRESSURE (PSF)	MINIMUM WIND PRESSURE (PSF)
ROOF FIELD	1	10	17.29	-52.67
	1	20	16.0	-52.67
	1	50	16.0	-32.04
	1	100	16.0	-16.43
ROOF EDGE	2E	10	17.29	-52.67
	2E	20	16.0	-52.67
	2E	50	16.0	-32.04
	2E	100	16.0	-16.43
ROOF EDGE	2N	10	17.29	-76.84
	2N	20	16.0	-66.43
	2N	50	16.0	-52.67
	2N	100	16.0	-42.27
ROOF RIDGE	2R	10	17.29	-76.84
	2R	20	16.0	-66.43
	2R	50	16.0	-52.67
	2R	100	16.0	-42.27
ROOF CORNER	3E	10	17.29	-76.84
	3E	20	16.0	-66.43
	3E	50	16.0	-52.67
	3E	100	16.0	-42.27
ROOF RIDGE	3R	10	17.29	-91.22
	3R	20	16.0	-78.24
	3R	50	16.0	-60.93
	3R	100	16.0	-47.84



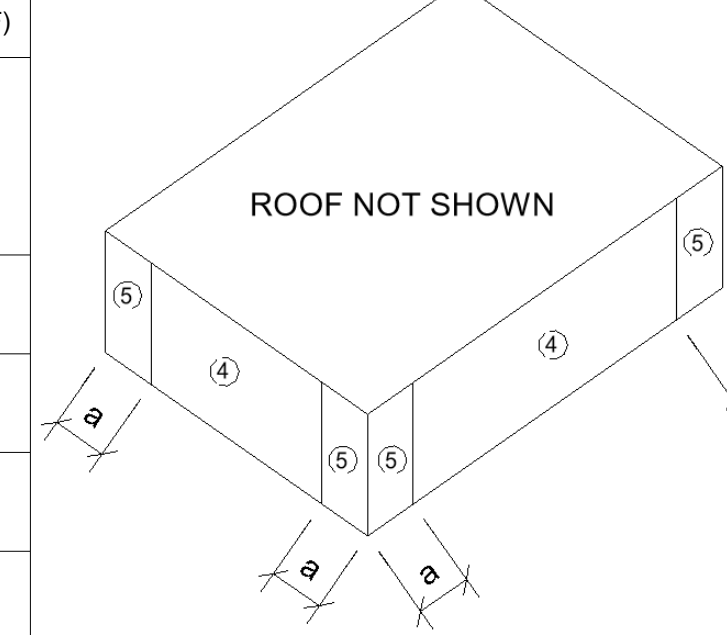
GABLE ROOF ZONE DIAGRAM

a=3FT

GENERAL NOTES:

- LOADS PROVIDED ARE LRFD UNFACTORED WIND LOADS.
- LOADS MAY BE FACTORED BY 0.6 TO ACHIEVE ASD/SERVICE LEVEL LOADS.
- LOADS MAY BE FACTORED BY 0.42 FOR DEFLECTION CALCULATIONS.

WALL PRESSURES (W/O PARAPET)				
COMPONENT	ZONE	AREA (SQ. FT.)	MAXIMUM WIND PRESSURE (PSF)	MINIMUM WIND PRESSURE (PSF)
WALL FIELD	4	10	28.51	-30.93
	4	20	27.23	-29.64
	4	50	25.53	-27.95
	4	100	24.25	-26.66
WALL CORNER	5	10	28.51	-38.18
	5	20	27.23	-35.61
	5	50	25.53	-32.21
	5	100	24.25	-29.64



WALL ZONE DIAGRAM

a=3FT

GENERAL NOTES:

- LOADS PROVIDED ARE LRFD UNFACTORED WIND LOADS.
- LOADS MAY BE FACTORED BY 0.6 TO ACHIEVE ASD/SERVICE LEVEL LOADS.
- LOADS MAY BE FACTORED BY 0.42 FOR DEFLECTION CALCULATIONS.

STRUCTURAL DESIGN CRITERIA

- FOUNDATION DESIGN VALUES:
 - ALLOWABLE BEARING CAPACITY: 2000 PSF MIN. (ASSUMED)
- GRAVITY LOAD DESIGN VALUES: IBC-2021 / ASCE 7-16
 - FLOOR LIVE LOADS: CLASSROOMS 40-PSF
 - EGRESS/RAMP 100-PSF
 - ROOF LIVE LOADS: SLOPING ROOF 20-PSF
 - GROUND SNOW LOADS: SNOW 5-PSF
 - DEAD LOADS: ACTUAL MATERIAL WEIGHTS PER ASCE 7-16, SEE ARCHITECTURAL DRAWINGS FOR ROOF, WALL, AND FLOOR CONSTRUCTION
 - RAIN LOAD DESIGN VALUES: IBC-2021 / ASCE 7-16 60 MIN. DURATION/100 YEAR MEAN RECURRENT: INTENSITY (i) = 4.28 IN/HR
- OSF RELOCATABLE CLASSROOM CRITERIA
 - "2020 SOUTH CAROLINA MINIMUM SPECIFICATIONS GUIDE FOR RELOCATABLE CLASSROOMS"
 - "2020 SOUTH CAROLINA ANNUAL INSPECTION AND MAINTENANCE FOR RELOCATABLES"
- SEISMIC DESIGN VALUES: IBC-2021 / ASCE 7-16
 - Ss = 1.751
 - S1 = 0.531
 - Sds = 1.401g
 - Sd1 = N/A
 - SITE CLASS: "D" (DEFAULT)
 - BUILDING RISK CATEGORY: "II"
 - IMPORTANCE FACTOR: Ie = 1.0
 - SEISMIC DESIGN CATEGORY: "D"
 - ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE DESIGN
 - SEISMIC FORCE RESISTING SYSTEM: -STRUCTURAL WOOD PANEL SHEATHED SHEAR WALLS
 - RESPONSE MODIFICATION FACTOR: R = 6.5
 - DEFLECTION AMPLIFICATION FACTOR: Cd = 4
 - SYSTEM OVERSTRENGTH FACTOR: OMEGA = 3
 - ALLOWABLE INTERSTORY DRIFT: 0.02 Hsx
- WIND LOAD DESIGN VALUES: IBC-2021 / ASCE 7-16
 - V = 139 mph (3-sec gust)
 - BUILDING RISK CATEGORY: "II"
 - IMPORTANCE FACTOR: I = 1.0
 - EXPOSURE CATEGORY: "B"
 - ENCLOSURE CLASSIFICATION: ENCLOSED
 - WIND DIRECTIONALITY FACTOR: Kd = 0.85
 - TOPOGRAPHIC FACTOR: Kzt = 1.0
 - VELOCITY EXPOSURE COEFFICIENT: Kz = 0.57
 - VELOCITY PRESSURE: q = 24 psf
 - PROVIDE WIND PRESSURES PER ASCE 7-16, CHAPTER 30
 - INTERNAL PRESSURE COEFFICIENT: Gpfi = +/- 0.18
 - ALLOWABLE INTERSTORY DRIFT: 0.0025 Hsx

LITTLE

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12/12/2025

ISSUE FOR
CONSTRUCTION DOCUMENTS

ISSUE DATE
12.12.2025

REVISIONS
NO. REASON DATE

PROJECT TEAM
PRINCIPAL IN CHARGE
PROJECT MANAGER
DESIGN TEAM
CUC
PROJECT NAME
Sandhill Elementary School
Portables Phase 2
324 Gnarly Oak Ln
Summerville, SC 29485

PROJECT NO.
23278.10

SHEET TITLE
FRAMING PLANS AND
GENERAL NOTES

SHEET NUMBER
S1-101

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