

9/11/2019



HAYDEN CLASSROOM
WILLIAMS SCOTSMAN
495 WEST JEFFERSON AVENUE
HAYDEN, CO 81639

ISSUE	DATE	DESCRIPTION
1	9/11/2019	REVISION 1

FILE #:	WS2019-1079
DRAWN BY:	TRL
DATE:	9/06/2019
REP:	SVEN LOUIS
ASSET #:	
APPR. BY:	KGW

FOUNDATION PLAN AND SECTIONS

S-101

9/11/2019 4:30:03 PM

FOUNDATION NOTES:

- FOUNDATION REVIEW AND INSPECTION IS TO BE PERFORMED BY THE LOCAL OFFICIAL HAVING JURISDICTION.
- POSITIVE DRAINAGE UNDER UNIT.
- UNIT MAY BE SHIMMED AS REQUIRED BETWEEN TOP OF PIER AND MODULAR UNIT FRAME. FLAT METAL, WOOD OR ABS SHIMS CAN BE USED. WEDGE SHIMS SHALL BE USED IN PAIR.
- DIMENSIONS SHALL BE FIELD VERIFIED.
- FINISHED FLOOR ELEVATION FFE = 100'-0" IS FOR REFERENCE ONLY.
- TIE-DOWN STRAPS TO BE 1-1/4" x .035" TYPE-1, FINISH B, GRADE 1 ZINC COATED STEEL CONFORMING WITH ASTM D3953-91. TIE DOWN STRAPS HARDWARE SHALL HAVE 3150# MINIMUM WORKING CAPACITY AND YIELD STRESS OF 109 KSI.
- UNDERGROUND UTILITY LOCATIONS ARE THE RESPONSIBILITY OF OTHERS. ALL UNDERGROUND UTILITY LOCATIONS MUST BE VERIFIED PRIOR TO ANY EXCAVATION. PROVIDE VENTILATION AS REQUIRED PER CODE ONE SQUARE FOOT PER EACH 150 SQUARE FEET OF CRAWL SPACE AREA.
- PROVIDE MINIMUM CRAWL SPACE ACCESS DOOR UNDER UNIT. OF 18" x 24".
- ASSUMED ALLOWABLE SOIL BEARING CAPACITY OF 2500 PSF.
- PROVIDE CONCRETE MASONRY UNITS (CMU) OF NORMAL WEIGHT (125 PCF MINIMUM), CONFORMING TO THE LATEST EDITION OF ASTM C 90.
- MINUTE MAN PRODUCT SHALL BE INSTALLED PER MANUFACTURER SPECIFICATION.
- DOUBLE CMU DRY STACK SHALL NOT EXCEED 48" IN HEIGHT WITHOUT SURFACE CEMENT BONDING.
- PX INDICATES PIER MARK. REFER TO SCHEDULE ON SHEET S-101.
- BX INDICATES CONCRETE BEAM MARK. REFER TO SCHEDULE ON SHEET S-101.
- REFER TO SHEET S-001 FOR STRUCTURAL GENERAL NOTES.

LEGEND:

- ⊗ INDICATES MINUTE MAN ROCK CROSS DRIVE ANCHOR LOCATIONS. END ARROW INDICATE ANCHOR LOCATION.
- ⊠ INDICATES 8" DOUBLE CMU DRY STACK
- INDICATES 8" DOUBLE SOLID CMU DRY STACK

DESIGN LOAD:

BUILDING CODE: IBC 2015	
ROOF LIVE LOAD	=20 PSF
FLOOR LIVE LOAD	=50 PSF
FLOOR DEAD LOAD	=10 PSF
ROOF DEAD LOAD	=10 PSF
EXTERIOR WALL DEAD LOAD	= 60 PLF

WIND SPEED

V = 115 MPH (ULTIMATE)
V = 89 MPH (ASD)
EXPOSURE C
INTERNAL PRESSURE COEFFICIENT GCp1 = ± .18

SEISMIC LOADS:

- RISK CATEGORY - II
- MAPPED SPECTRAL RESPONSE ACCELERATIONS - Ss = 0.271, S1 = 0.075
- SITE CLASS - D
- SPECTRAL RESPONSE COEFFICIENT - Sds = .286 Sd1 = 0.120
- SEISMIC DESIGN CATEGORY B
- BASIC FORCE RESISTING SYSTEM - LIGHT FRAMED WOOD WALL SHEATHED WITH WOOD
- STRUCTURAL PANEL RATED FOR SHEAR RESISTANCE
- ANALYSIS PROCEDURE - EQUIVALENT LATERAL FORCE PROCEDURE
- RESPONSE MODIFICATION FACTOR - R = 6.5
- SEISMIC RESPONSE COEFFICIENT - Cs = .0440
- DESIGN BASE SHEAR - V = 2.6 K

SNOW LOAD:

- GROUND SNOW LOAD Pg = 87 PSF
- EXPOSURE FACTOR Ce = 1.00
- THERMAL FACTOR Ct = 1.1
- IMPORTANCE FACTOR Is = 1.00
- ROOF SNOW LOAD P1 = 67 PSF

ABS PAD NOTES:

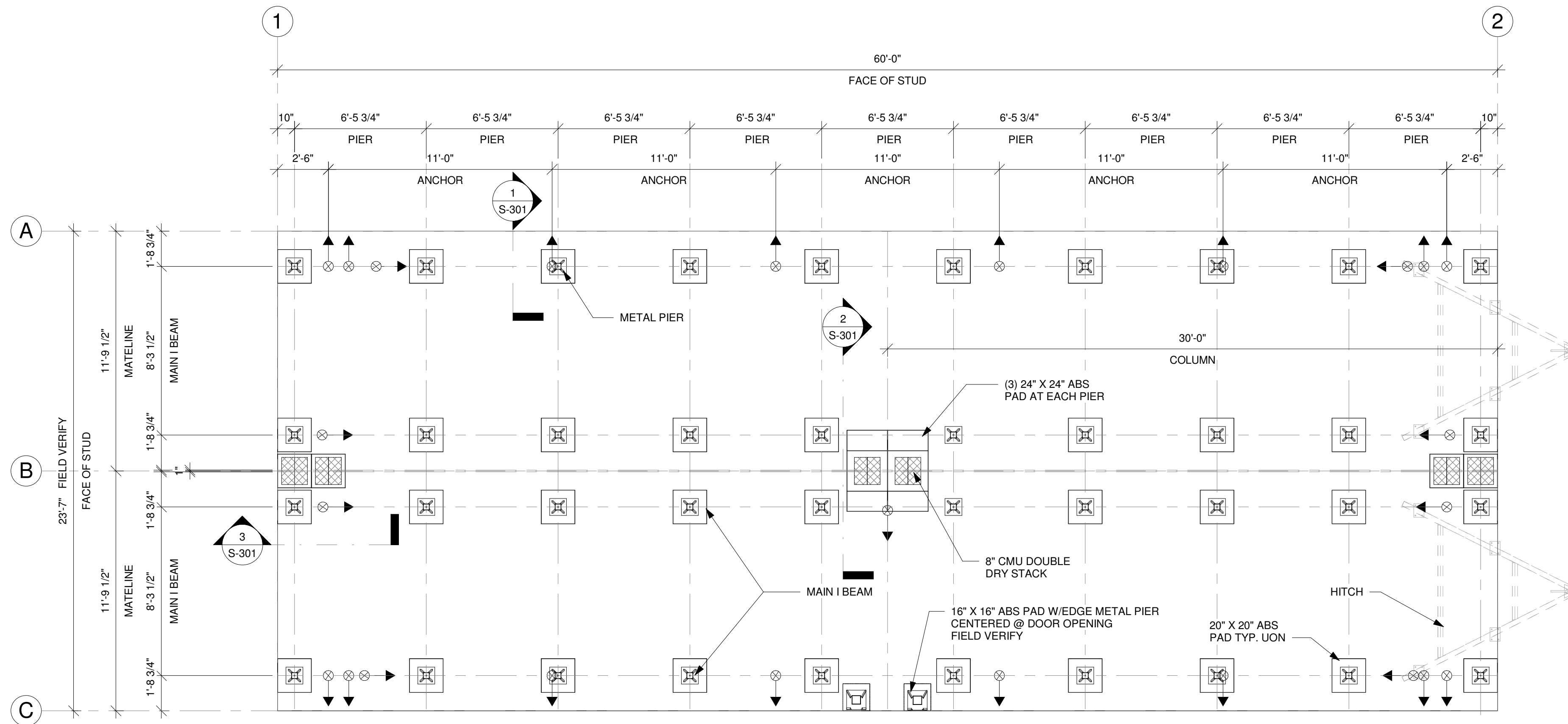
- CLEAR ALL VEGETATION AND DEBRIS FROM THE AREA WHERE THE ABS PAD ARE TO BE PLACED.
- GROUND UNDER ABS PAD SHALL BE LEVELED AND EVENLY COMPACTED.
- PLACE ABS PAD WITH GRID SIDE UP, SMOOTH SIDE DOWN.

BEAM SCHEDULE

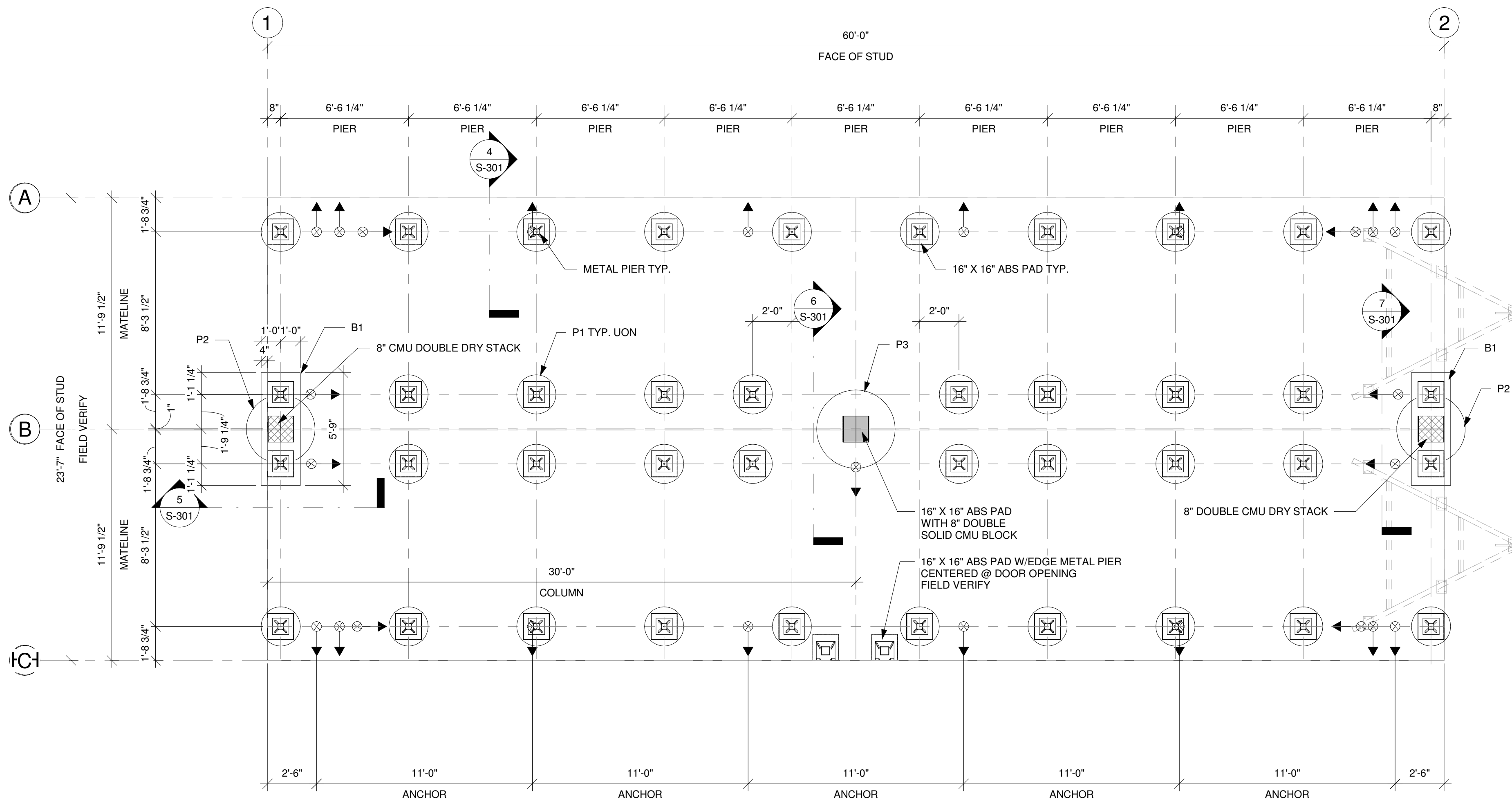
BEAM MARK	BEAM SIZE W X H X L	STEEL REINFORCEMENT
B1	2'-0" X 0'-10" X 5'-9"	(3) #4 LONGITUDINAL TOP & BOT W/ #3 STIRRUP @ 12" O.C.

PIER SCHEDULE

PIER MARK	PIER DIA.	VERT. REINF.	HOR. REINF.
P1	24"	(8) #5	#3@ 10 O.C
P2	42"	(16) #6	#3@ 12 O.C
P3	48"	(22) #6	#3@ 12 O.C



1 FOUNDATION PLAN ABS PAD OPTION
1/4" = 1'-0"



2 FOUNDATION PLAN CONCRETE PIER OPTION
1/4" = 1'-0"

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