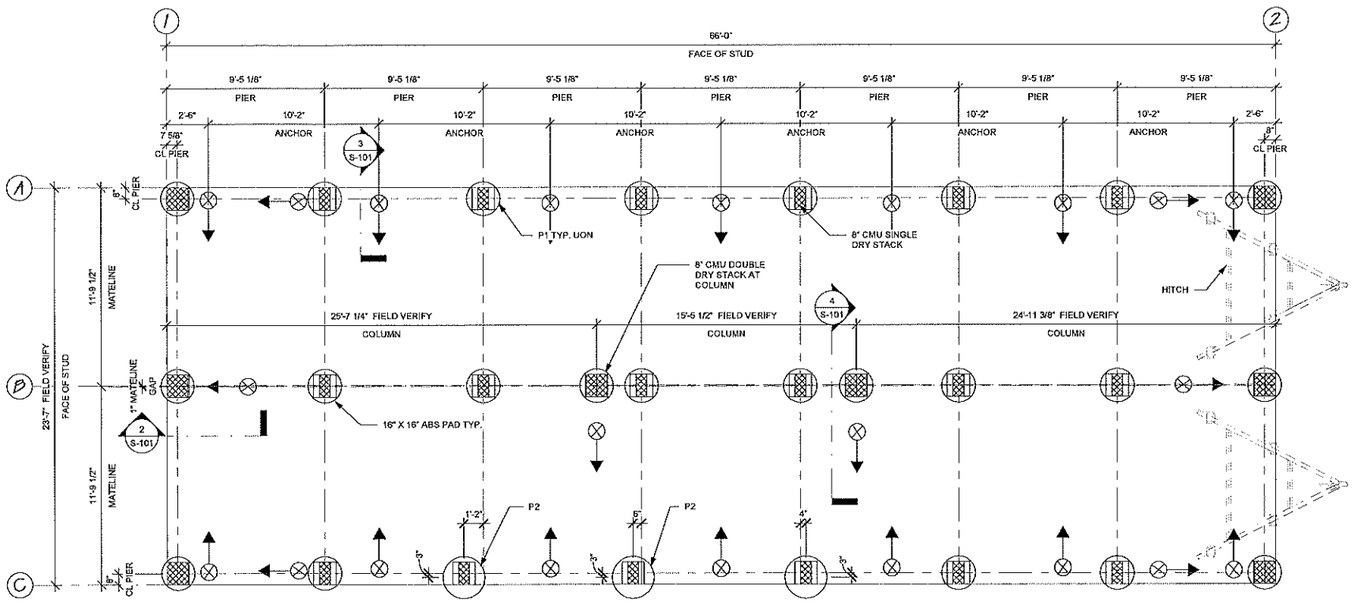
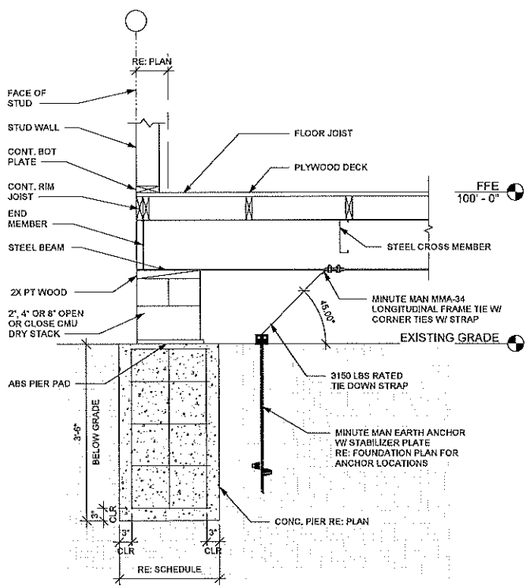
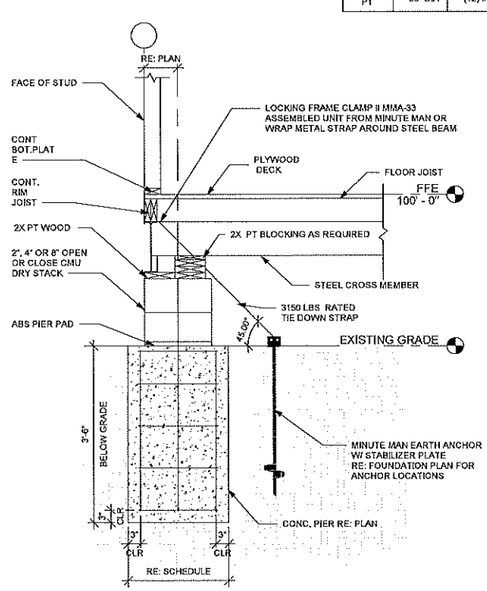


① FOUNDATION PLAN
1/4" = 1'-0"

PIER SCHEDULE			
PIER MARK	SIZE	VERT. REINF.	HORIZ. TIES REINF.
P1	24" DIA	(8) # 5	#3 @ 10" O.C.
P1	30" DIA	(12) # 5	#3 @ 10" O.C.



② ENDWALL SECTION
3/4" = 1'-0"



③ LONG SIDE SECTION
3/4" = 1'-0"

FOUNDATION NOTES:

1. FOUNDATION REVIEW AND INSPECTION IS TO BE PERFORMED BY THE LOCAL OFFICIAL HAVING JURISDICTION.
2. POSITIVE DRAINAGE UNDER UNIT.
3. 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.
4. DIMENSIONS SHALL BE FIELD VERIFIED.
5. FINISHED FLOOR ELEVATION FFE = 100'-0" IS FOR REFERENCE ONLY.
6. 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.
7. UNDERGROUND UTILITY LOCATIONS ARE THE RESPONSIBILITY OF OTHERS. ALL UNDERGROUND UTILITY LOCATIONS MUST BE VERIFIED PRIOR TO ANY EXCAVATION.
8. PROVIDE VENTILATION AS REQUIRED PER CODE ONE SQUARE FOOT PER EACH 150 SQUARE FEET OF CRAWL SPACE AREA.
9. PROVIDE MINIMUM CRAWL SPACE ACCESS DOOR UNDER UNIT. OF 24" x 36".
10. MINUTE MAN PRODUCT SHALL BE INSTALLED PER MANUFACTURER SPECIFICATION.
11. SINGLE DRY STACK CMU PIER SHALL NOT EXCEED 32" IN HEIGHT
12. DOUBLE DRY STACK CMU PIER SHALL NOT EXCEED 48" IN HEIGHT WITHOUT SURFACE BONDING CEMENT.
13. IN THE EVENT AN EARTH AUGER CANNOT BE INSTALLED DUE TO AN OBSTRUCTION, USE OF CROSS DRIVE ANCHORS WITH MMA-SD2 STABILIZER PLATE IS PERMITTED, PROVIDED (2) CROSS DRIVES ARE INSTALLED FOR EACH EARTH AUGER THAT CANNOT BE INSTALLED.
14. REFER TO SHEET S-001 FOR STRUCTURAL GENERAL NOTES.
15. PX INDICATES CONCRETE PIER. REFER TO SHEET S-101 FOR SCHEDULE.

LEGEND

⊗ INDICATES AUGER ANCHOR WITH STABILIZER PLATE FROM MINUTE MAN OR EQUAL. END ARROW INDICATES AUGER ANCHOR.

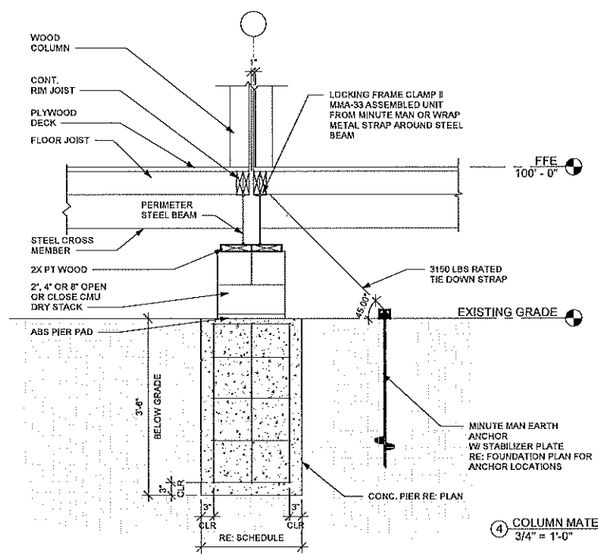
DESIGN LOAD PER SPECIFIC LOCATION AND CURRENT CODE:
BUILDING CODE: CONNECTICUT STATE BUILDING CODE (IBC 2015 WITH AMENDMENTS)

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 = 125 MPH (ULT)
V = 96.8 MPH (ASD)
EXPOSURE C
INTERNAL PRESSURE COEFFICIENT GCpi = ± 0.18
IMPORTANCE FACTOR Iw = 1
RISK CATEGORY II

SNOW LOAD:
GROUND SNOW LOAD Pg = 35 PSF
EXPOSURE FACTOR Ce = 1.00
THERMAL FACTOR Ct = 1.1
IMPORTANCE FACTOR Is = 1.0
ROOF SNOW LOAD Pf = 27 PSF

SEISMIC LOADS:
OCCUPANCY CATEGORY - II
MAPPED SPECTRAL RESPONSE ACCELERATIONS
Ss = 0.178, S1 = 0.063
SITE CLASS - D
SPECTRAL RESPONSE COEFFICIENT
Sds = 0.187, Sd1= 0.101
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 = 0.0287
DESIGN BASE SHEAR - V = 1.8 K



④ COLUMN MATELINE SECTION
3/4" = 1'-0"

WILLSCOT
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6/13/2019

BIRCH GROVE PRIMARY SCHOOL
EDUCATIONAL SWING SPACE
247 RHODES ROAD
TOLLAND, CT 06084

ISSUE	DATE	DESCRIPTION
1	5/24/2019	PRELIMINARY FOUNDATION
2	6/13/2019	ISSUE FOR CONSTRUCTION

FILE #:	WS2019-0548
DRAWN BY:	TRL
DATE:	6/13/19
REP:	LISA RODSA
ASSET #:	
APPR. BY:	KGW
APPR. DATE:	

FOUNDATION PLAN & SECTIONS BUILDING 6

S-101

6/13/2019 12:25:59 PM

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