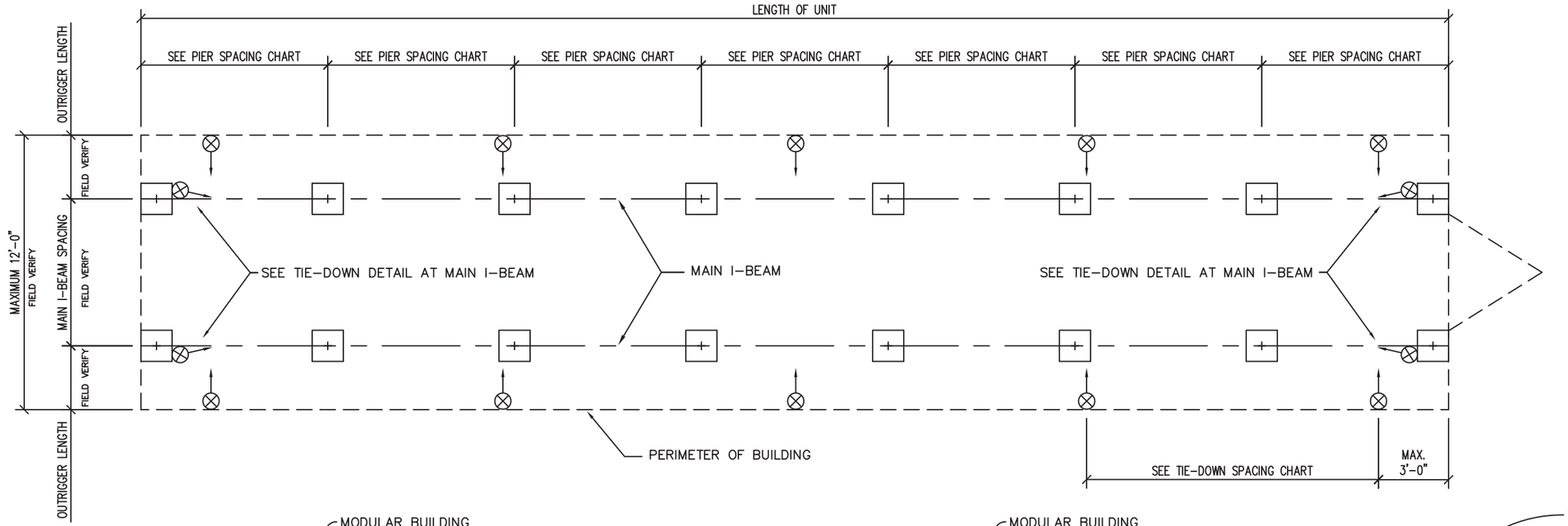
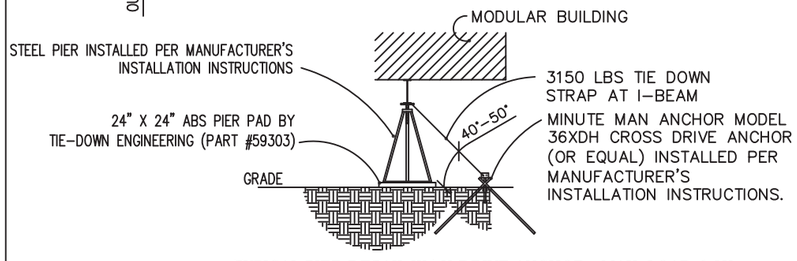
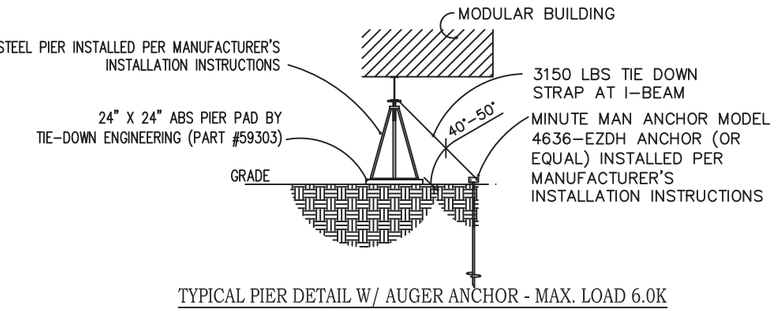




TYPICAL PIER DETAIL W/ X-DRIVE ANCHOR - MAX. LOAD 6.0K
N.T.S.



TYPICAL PIER DETAIL W/ AUGER ANCHOR - MAX. LOAD 6.0K
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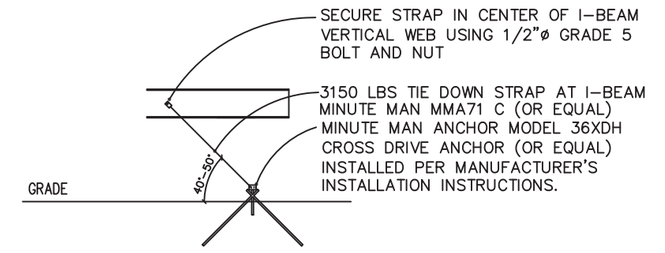
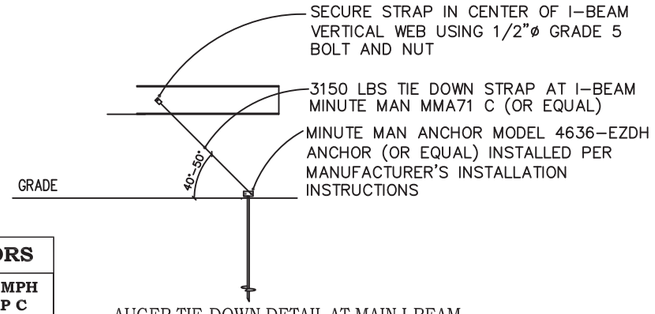


X-DRIVE TIE-DOWN DETAIL AT MAIN I-BEAM
N.T.S.



AUGER TIE-DOWN DETAIL AT MAIN I-BEAM
N.T.S.

COLORADO DESIGN CODES

2018 INTERNATIONAL BUILDING CODE

FOUNDATION

1. FOUNDATION REVIEW AND INSPECTION IS TO BE PERFORMED BY THE LOCAL OFFICIAL HAVING JURISDICTION.
2. CRAWL SPACE TO BE VENTILATED AT 1 SQ. FT. PER EACH 150 SQ. FT. OF CRAWL SPACE AREA TO BE VENTILATED.
3. PROVIDE POSITIVE DRAINAGE UNDER UNIT.
4. PROVIDE MINIMUM CRAWL SPACE ACCESS OF 22" x 24".
5. PIER LOADS ARE SHOWN IN KIPS
6. WIND SPEED PER THE 2018 INTERNATIONAL BUILDING CODE SEE TIE-DOWN SPACING CHART
7. PRESUMPTIVE SOIL BEARING CAPACITY IS 1500 PSF. THIS SHALL BE FIELD VERIFIED. IF PROBLEM SOIL CONDITIONS ARE ENCOUNTERED AT THE SITE, INCLUDING BUT NOT LIMITED TO EXPANSIVE SOIL, A SOILS REPORT MUST BE PREPARED FOR FOUNDATION ADJUSTMENTS PRIOR TO CONSTRUCTION.
8. GROUND ANCHORS ARE TO BE CERTIFIED BY THE MANUFACTURER FOR A MINIMUM LOAD CAPACITY OF 4,725 POUNDS (AUGER ANCHORS) OR 1,800 POUNDS (X-DRIVE ANCHORS) SHALL BE LISTED FOR THE APPROPRIATE SOIL CLASSIFICATION ENCOUNTERED AT THE SITE.
9. THE USE OF ABS PADS AND THE SUPPORT OF THE BUILDING AT GRADE IS SUBJECT TO THE REVIEW AND ACCEPTANCE OF THE LOCAL OFFICIAL HAVING JURISDICTION.

ABS PAD NOTES:

1. CLEAR ALL VEGETATION AND DEBRIS FROM THE AREA WHERE THE ABS PADS ARE TO BE PLACED
2. GROUND UNDER ABS PADS MUST BE LEVELED AND EVENLY COMPACTED. PLACE ABS PAD WITH GRID SIDE UP, SMOOTH SIDE DOWN.
3. CENTER BLOCKS ON ABS PAD AND COMPLETE PIER.

FOUNDATION LEGEND

+ INDICATES BLOCKING TO BOTTOM OF MAIN I-BEAM

⊗ INDICATES MINUTE-MAN OR EQUAL FRAME TIE-DOWN LOCATION AND DIRECTION

DESIGN LOADS

FLOOR LIVE LOAD	= 50 PSF
FLOOR DEAD LOAD	= 10 PSF
ROOF LIVE LOAD	= SEE PIER SPACING CHART
ROOF DEAD LOAD	= 10 PSF
EXTERIOR WALL DEAD LOAD	= 65 PLF

PIER SPACING CHART

TIE-DOWN ENGINEERING PAD SIZE & PART NUMBER	30 PSF ROOF LIVE LOAD	40 PSF ROOF LIVE LOAD
24" X 24" PART #59303	8'-9"	8'-0"

TIE-DOWN SPACING CHART - X DRIVE ANCHORS

ANCHOR \ ULTIMATE WIND SPEED CATEGORY II	115 MPH EXP C	130 MPH EXP C	140 MPH EXP C	150 MPH EXP C
MINUTE MAN ANCHOR MODEL 36XDH CROSS DRIVE ANCHOR	9'-10" MAXIMUM SPACING	6'-1" MAXIMUM SPACING	4'-6" MAXIMUM SPACING	3'-5" MAXIMUM SPACING

TIE-DOWN SPACING CHART - AUGER ANCHORS

ANCHOR \ ULTIMATE WIND SPEED CATEGORY II	115 MPH EXP C	130 MPH EXP C	140 MPH EXP C	150 MPH EXP C
MINUTE MAN ANCHOR MODEL 4636-EZDH AUGER ANCHOR	15'-0" MAXIMUM SPACING	10'-9" MAXIMUM SPACING	7'-10" MAXIMUM SPACING	6'-0" MAXIMUM SPACING

COLORADO REGISTERED PROFESSIONAL ENGINEER
PHILLIP E. ROBBINS
No. 30489

2/4/2021

Job# PER210307
P.E. Robbins, P.E.
1777 State Route 167
Victoria IL 61485

JOB NO: 2021-004
DRAWING NO: 1
DATE: 1/8/2021
SCALE: 3/16"=1'-0"

SATELLITE SHELTERS, INC.
680 E. 86th COURT, COMMERCE CITY, CO 80022

DRAWN BY: MLR
REV:

TITLE: FOUNDATION PLAN
MODEL: 12 WIDE UNITS