

PRELIMINARY: NOT FOR
CONSTRUCTION

ICON

Shelter Systems Inc

DISTINCTIVE STEEL SHELTERS

WWW.ICONSHELTERS.COM

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SYSTEMS, INC.

1455 LINCOLN AVE.
HOLLAND MI, 49423

616.396.0919
800.748.0985
616.396.0944 FX

Elevation

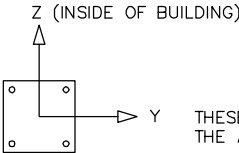
| |
|----------------|
| DRAWN BY: |
| LB |
| DATE: |
| 9/29/10 |
| JOB NO.: |
| STANDARD |
| REVISION: |
| BUILDING TYPE: |
| DE66M2C-P4 |
| PROJECT NAME: |
| -25-90-145 |

SHEET

1.0

Engineering\AcadStandard\Blocks\Titles\CONPRETIT
QF-73-01-42

DWG: \\icon01\Company\Engineering\Standards\Shelters\DE\66\M2C-P4-25-90-145\Drawings\Preliminary\DE66M2C-P4-25-90-145~17091.DWG

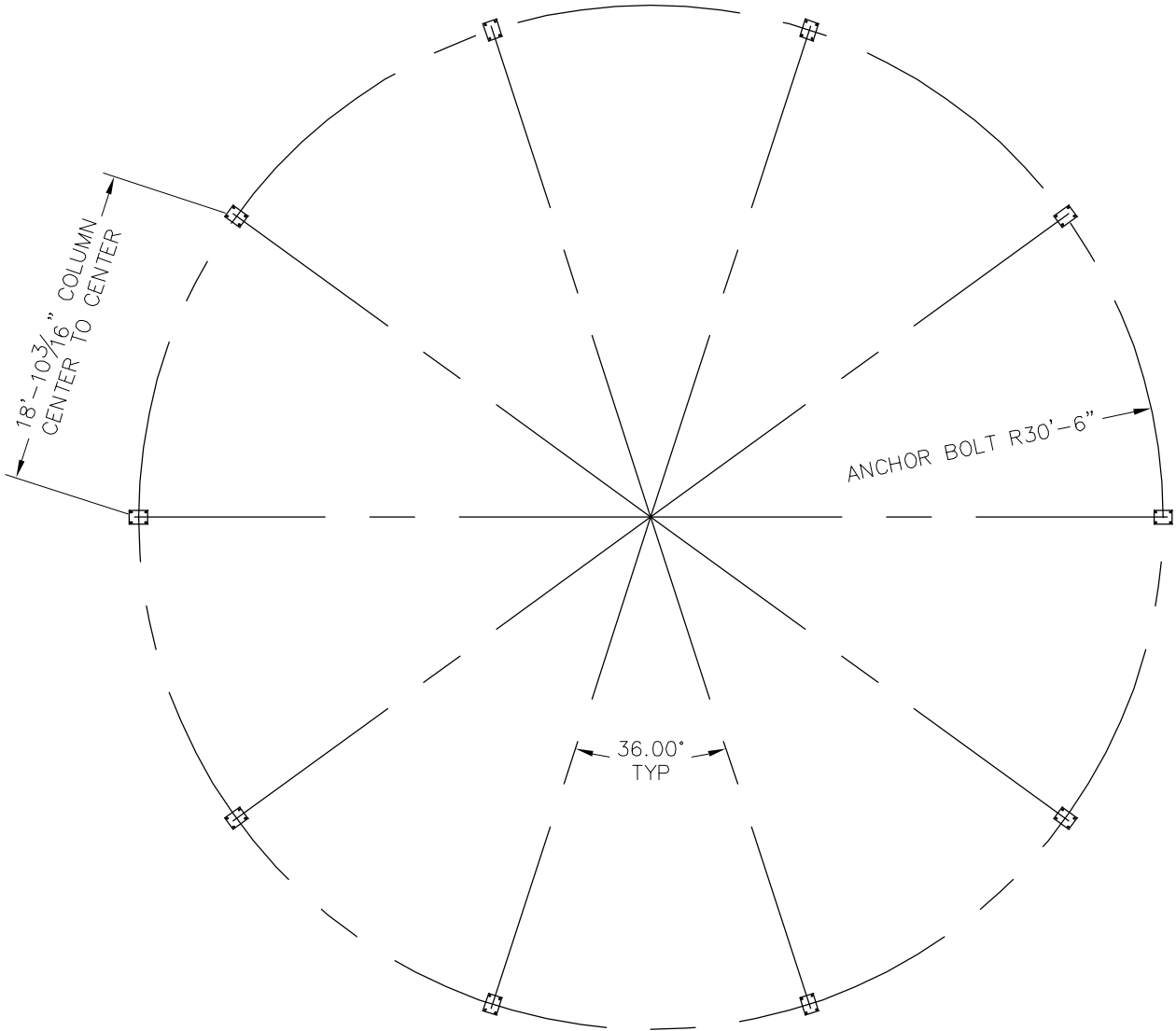


THESE FOUNDATION LOADS ARE FOR ESTIMATING PURPOSE ONLY.
THE ACTUAL LOADS WILL BE DETERMINED IN THE FINAL ENGINEERING

| LOADS TO FOUNDATION (KIPS, IN-KIPS) | FOUNDATION LOADS | | | | | CL1 |
|--|------------------|------------|------------|-------------|-------------|-----|
| | AXIAL (Fx) | SHEAR (Fy) | SHEAR (Fz) | MOMENT (My) | MOMENT (Mz) | |
| DL | 2.53 | 0.00 | 0.07 | -7.68 | 0.00 | |
| SL | 7.48 | 0.00 | 0.22 | -23.73 | 0.00 | |
| W-UPLIFT | -3.35 | 0.45 | -0.28 | 30.35 | 48.51 | |
| W-FY | -3.31 | -0.49 | -0.05 | 6.23 | -52.82 | |
| W-FZ | -3.13 | 0.00 | -0.87 | 94.19 | 0.00 | |
| E-FY | 0.00 | -1.62 | 0.00 | 0.00 | -174.30 | |
| E-Z | -0.45 | 0.00 | -2.53 | 273.00 | 0.00 | |

- NOTES:
- TABLE SHOWS UNFACTORED SERVICE LOADS
 - A FOUNDATION DESIGN HAS NOT BEEN PERFORMED BY ICON SHELTER SYSTEMS INC.
 - A LICENSED ENGINEER FAMILIAR WITH SOIL CONDITIONS AT CONSTRUCTION SITE MUST PERFORM A FOUNDATION DESIGN.
 - THE STRUCTURE HAS BEEN ENGINEERED AS AN OPEN STRUCTURE.
 - CONSULT ICON SHELTER SYSTEMS INC. IF THE STRUCTURE IS TO BE ENCLOSED.
 - COORDINATES ARE LOCAL TO THE COLUMN

DEFINITIONS:
DL = SERVICE LEVEL DEAD LOAD REACTION WITH THE GREATEST AXIAL LOAD
SL = SERVICE LEVEL SNOW LOAD REACTION WITH THE GREATEST AXIAL LOAD
W-UL = SERVICE LEVEL WIND LOAD REACTION WITH THE GREATEST UPLIFT LOAD
W-Y = SERVICE LEVEL WIND LOAD REACTION WITH THE GREATEST MAGNITUDE OF SHEAR IN THE LOCAL Y DIRECTION
W-Z = SERVICE LEVEL WIND LOAD REACTION WITH THE GREATEST SHEAR VALUE ACTING IN THE SAME DIRECTION AS THE DL SHEAR LOAD
E-Y = SERVICE LEVEL SEISMIC LOAD REACTION WITH THE GREATEST MAGNITUDE OF SHEAR IN THE LOCAL Y DIRECTION
E-Z = SERVICE LEVEL SEISMIC LOAD REACTION WITH THE GREATEST MAGNITUDE OF SHEAR IN THE LOCAL Z DIRECTION



3/4" ANCHOR BOLT
W/ (2) 3/4" NUTS
(4) PLCS

LEVELING NUTS

6" EMBEDMENT

4"

10"

CONCRETE FOOTING
NOT TO SCALE

ACTUAL FOOTING DESIGN
SHOWN ON INSTALLATION
DRAWINGS

PRELIMINARY DRAWINGS SHOWN AS 6" BURIED

STANDARD BASE CONNECTION

COLUMN TYPE: A (6" BURIED)

BASE COVERS
OPTIONAL

3/4" ANCHOR BOLT
W/ 3/4" NUTS (4) PLCS

2 1/2"

11 1/2"

CONCRETE FOOTING
NOT TO SCALE

ACTUAL FOOTING DESIGN
SHOWN ON INSTALLATION
DRAWINGS

OPTIONAL BASE CONNECTION

COLUMN TYPE: B (SURFACE MOUNT W/ COVERS)

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Anchor Bolt Layout

DRAWN BY:

LB

DATE:

9/29/10

JOB NO.:

STANDARD

REVISION:

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DE66M2C-P4

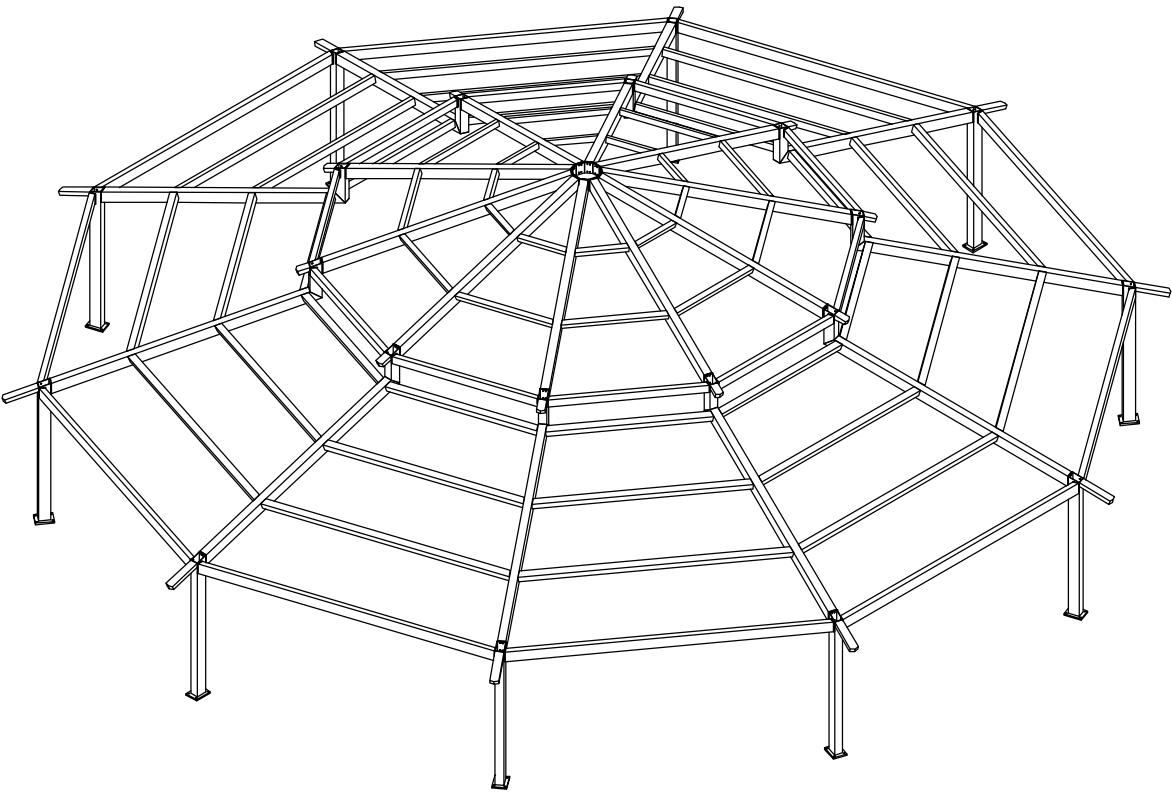
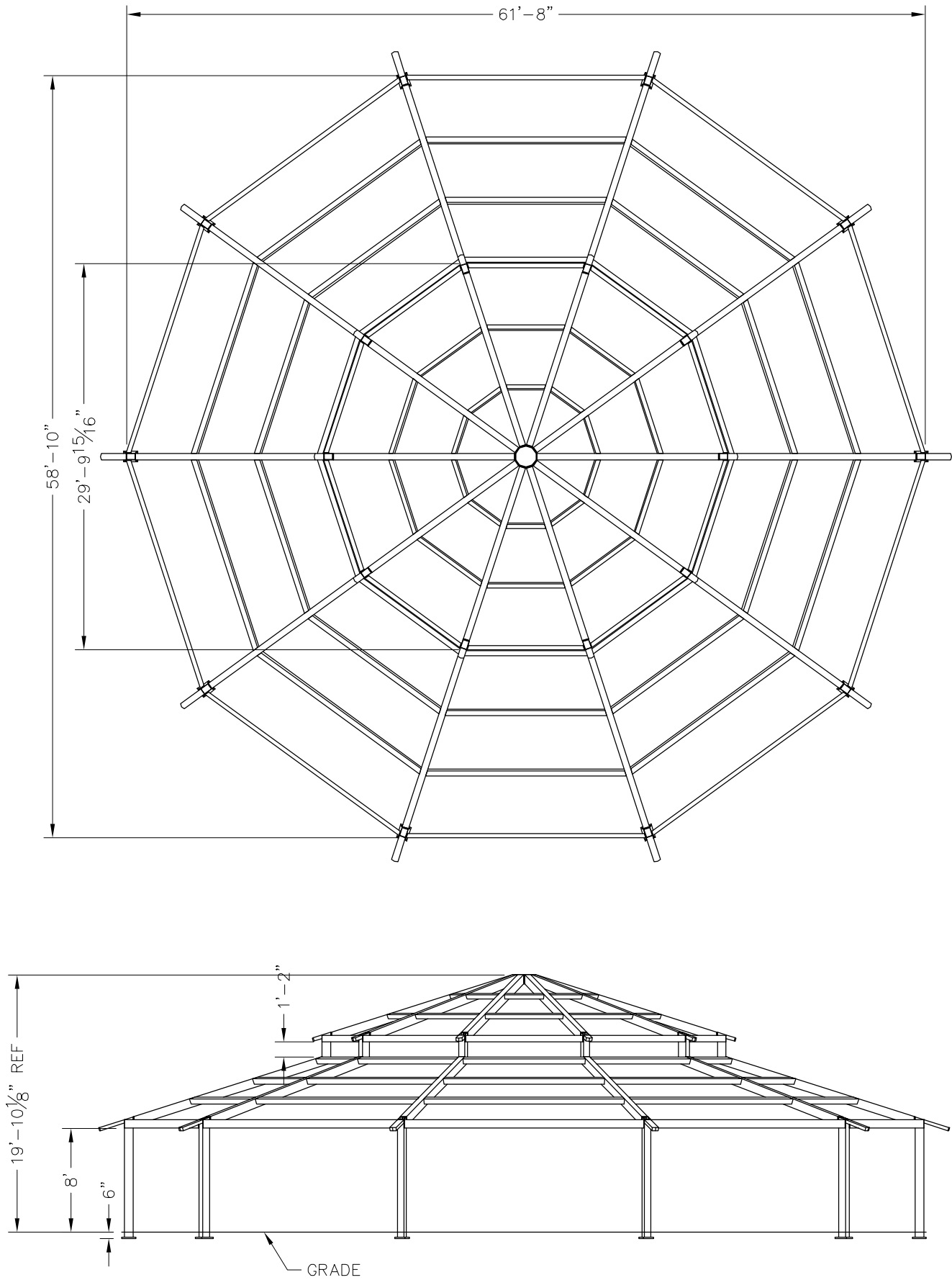
PROJECT NAME:

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SHEET

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QF-73-01-42



ALL STRUCTURAL COMPONENTS WILL BE:
TUBE: ASTM A500 GRADE B
PLATE: ASTM A36
BOLTS: ASTM A325
NUTS: ASTM A563
WELDING: GMAW

NOTE:
COLUMN SIZE: HSS 8x6x3/16

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Frame

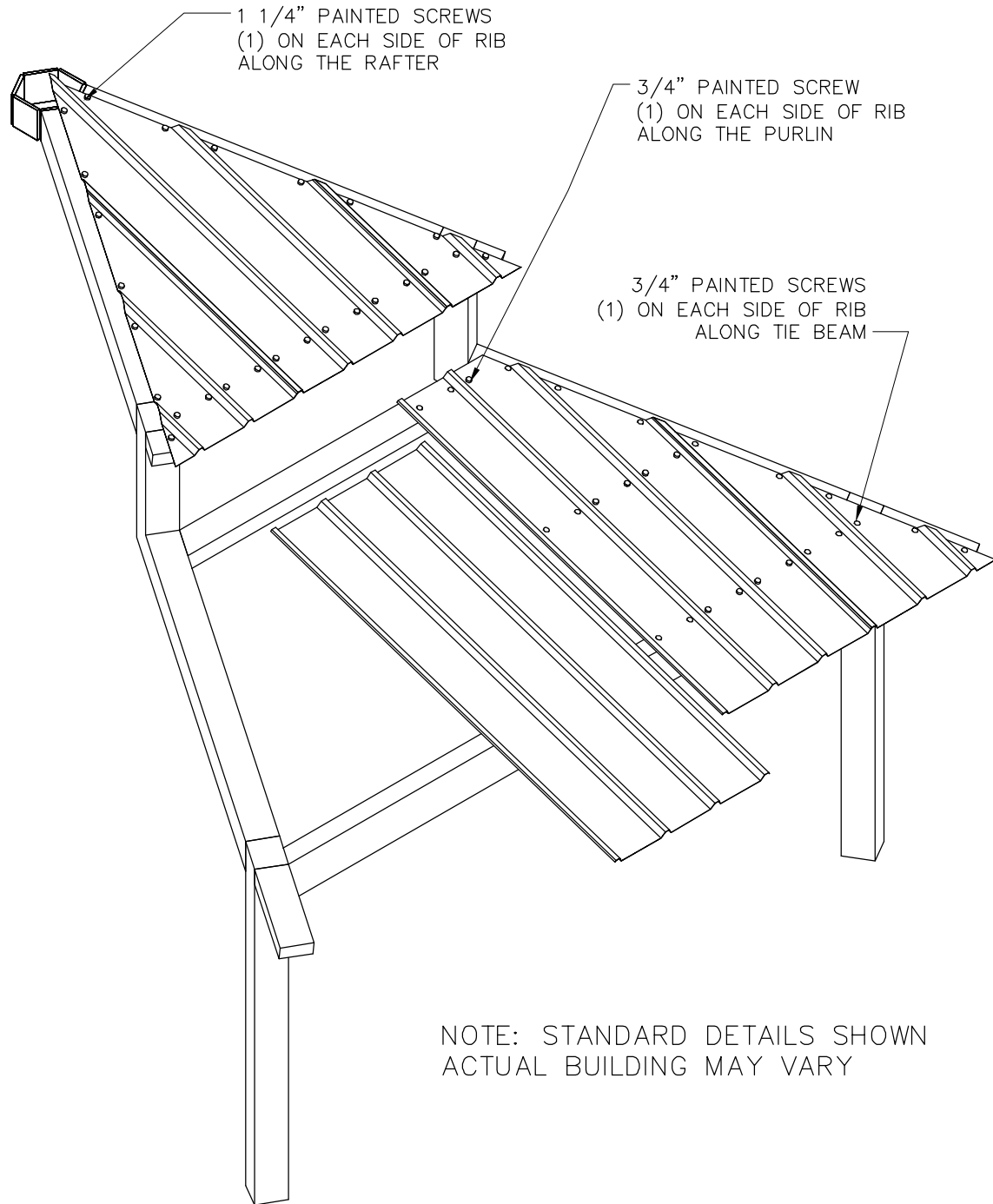
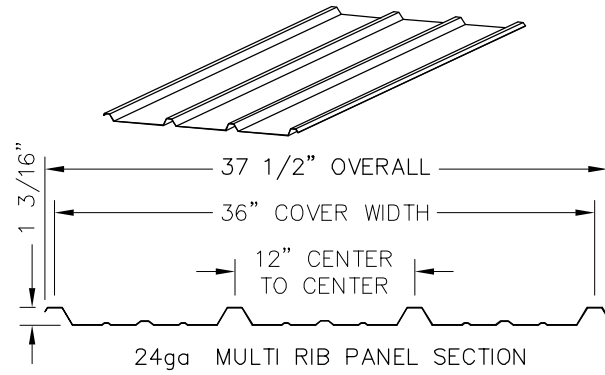
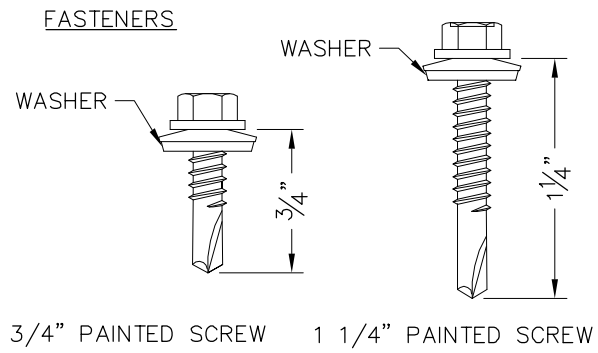
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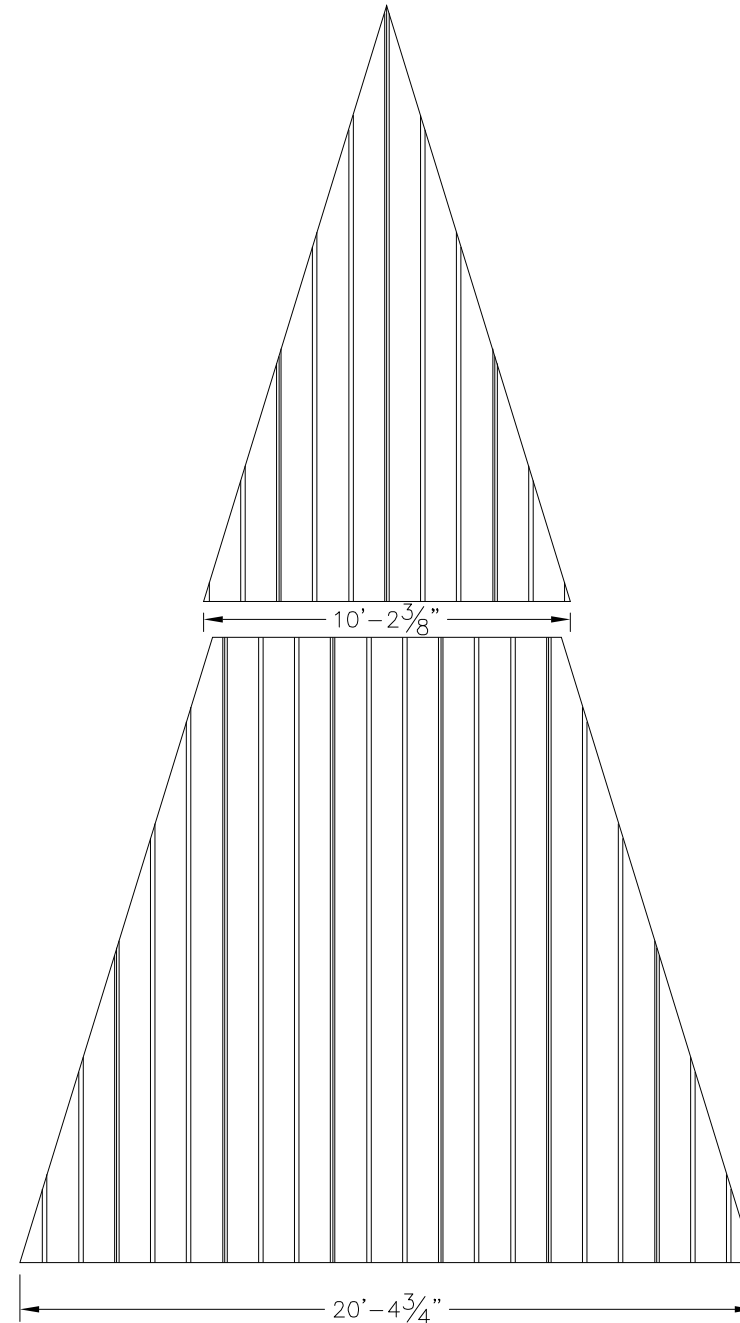
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DWG: \\icon01\Company\Engineering\Standards\Shelters\DE\66\M2C-P4-25-90-145\Drawings\Preliminary\DE66M2C-P4-25-90-145~17091.DWG



NOTE: STANDARD DETAILS SHOWN
ACTUAL BUILDING MAY VARY



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Roof Layout

DRAWN BY:

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DATE:

9/29/10

JOB NO.:

STANDARD

REVISION:

BUILDING TYPE:

DE66M2C-P4

PROJECT NAME:

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DWG: \\icon01\Company\Engineering\Standards\Shelters\DE\66\M2C-P4-25-90-145\Drawings\Preliminary\DE66M2C-P4-25-90-145~17091.DWG