

PRELIMINARY: NOT FOR
CONSTRUCTION

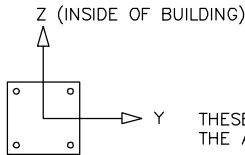
ICON
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DISTINCTIVE STEEL SHELTERS
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SYSTEMS, INC.
1455 LINCOLN AVE.
HOLLAND MI, 49423
616.396.0919
800.748.0985
616.396.0944 FX

Elevation

DRAWN BY:
LB
DATE:
10/30/13
JOB NO.:
STANDARD
REVISION:
BUILDING TYPE:
HX20M2C-P4
PROJECT NAME:
-65-90-50 FULL CIRCLE UPPER ORN CUPOLA

SHEET
1.0
Engineering\AcadStandard\Blocks\Titles\ICONPRETB
06-73-01-42

DWG: \\Icon01\Company\Engineering\Standards\Shelters\HX\20\M2C-P4-65-90-50\Drawings\Preliminary\HX20M2C-P4-65-90-50~26180.DWG

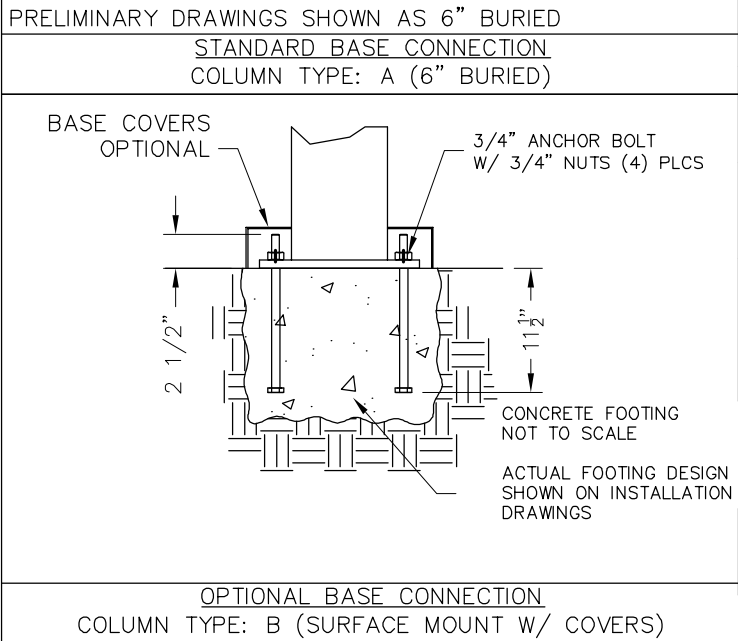
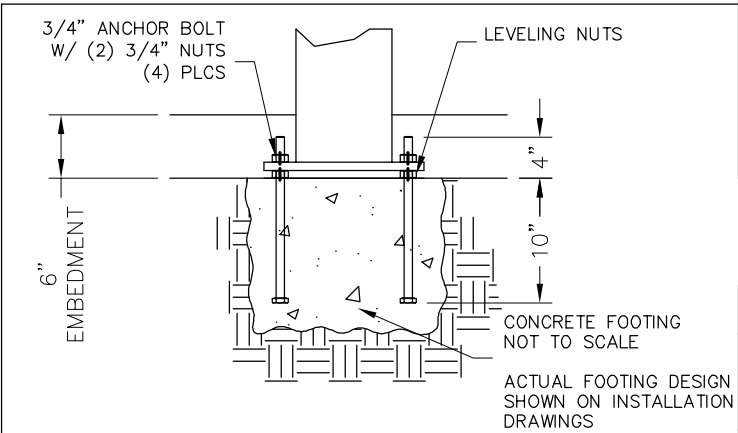
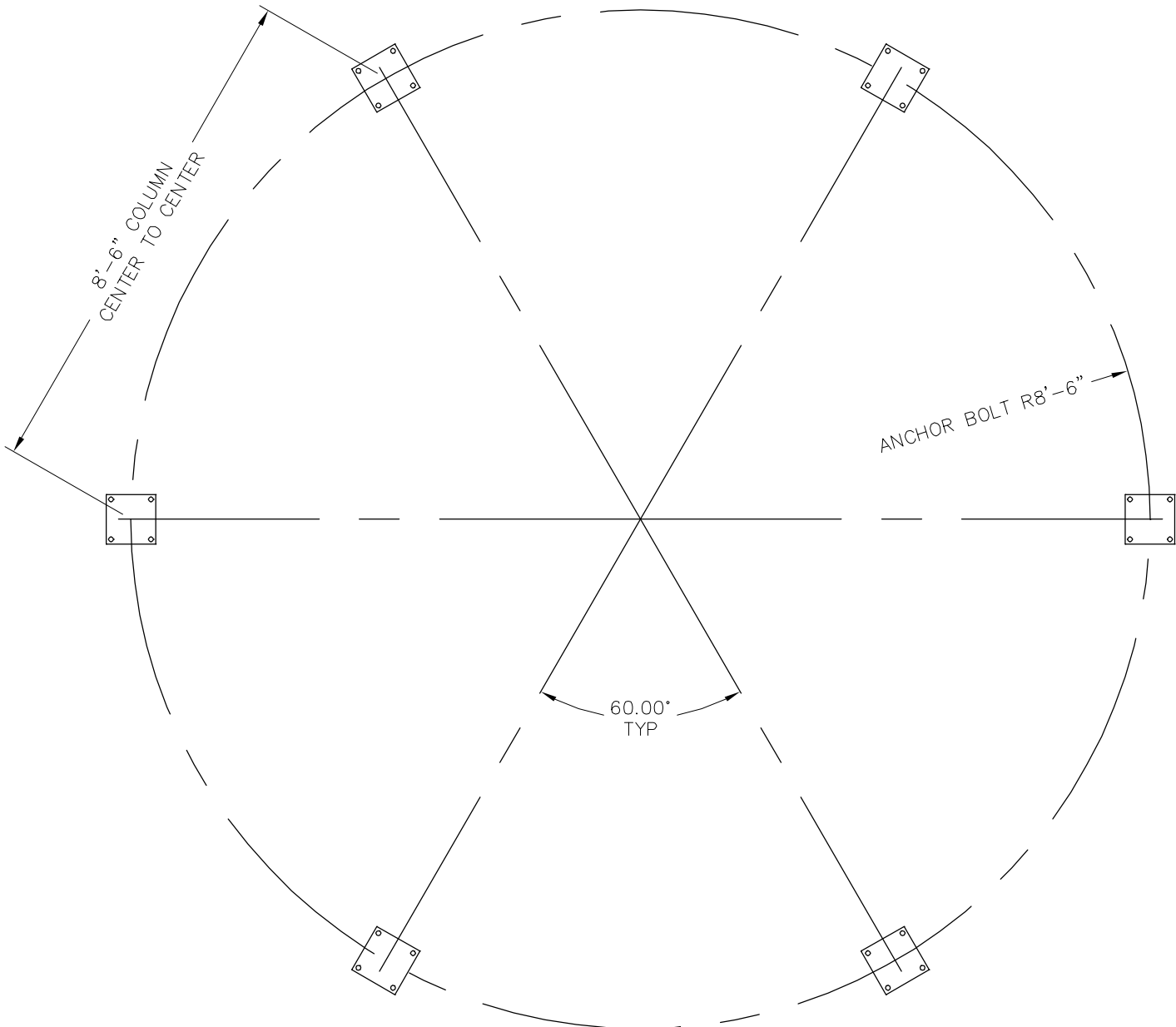


THESE FOUNDATION LOADS ARE FOR ESTIMATING PURPOSE ONLY.
THE ACTUAL LOADS WILL BE DETERMINED IN THE FINAL ENGINEERING

LOADS TO FOUNDATION (KIPS, IN-KIPS)	FOUNDATION LOADS					CL1
	AXIAL (Fx)	SHEAR (Fy)	SHEAR (Fz)	MOMENT (My)	MOMENT (Mz)	
DL	0.47	0.00	0.03	-1.06	0.00	
SL	2.89	0.00	0.21	-7.81	0.00	
W-UPLIFT	-0.54	0.07	-0.07	3.91	4.81	
W-FY	-0.50	-0.09	-0.03	1.23	-6.24	
W-FZ	-0.54	-0.05	-0.12	6.59	-3.20	
E-FY	0.00	-0.20	0.00	0.00	-12.81	
E-Z	-0.19	0.00	-0.19	12.39	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



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Anchor Bolt Layout

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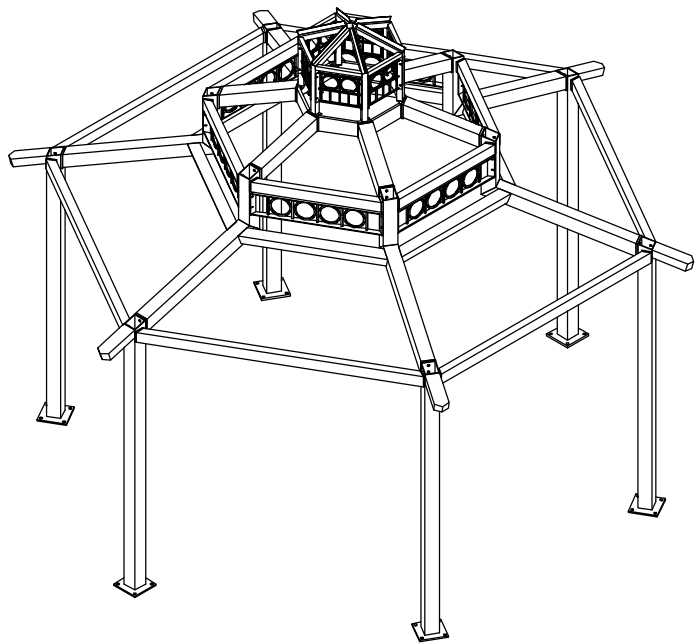
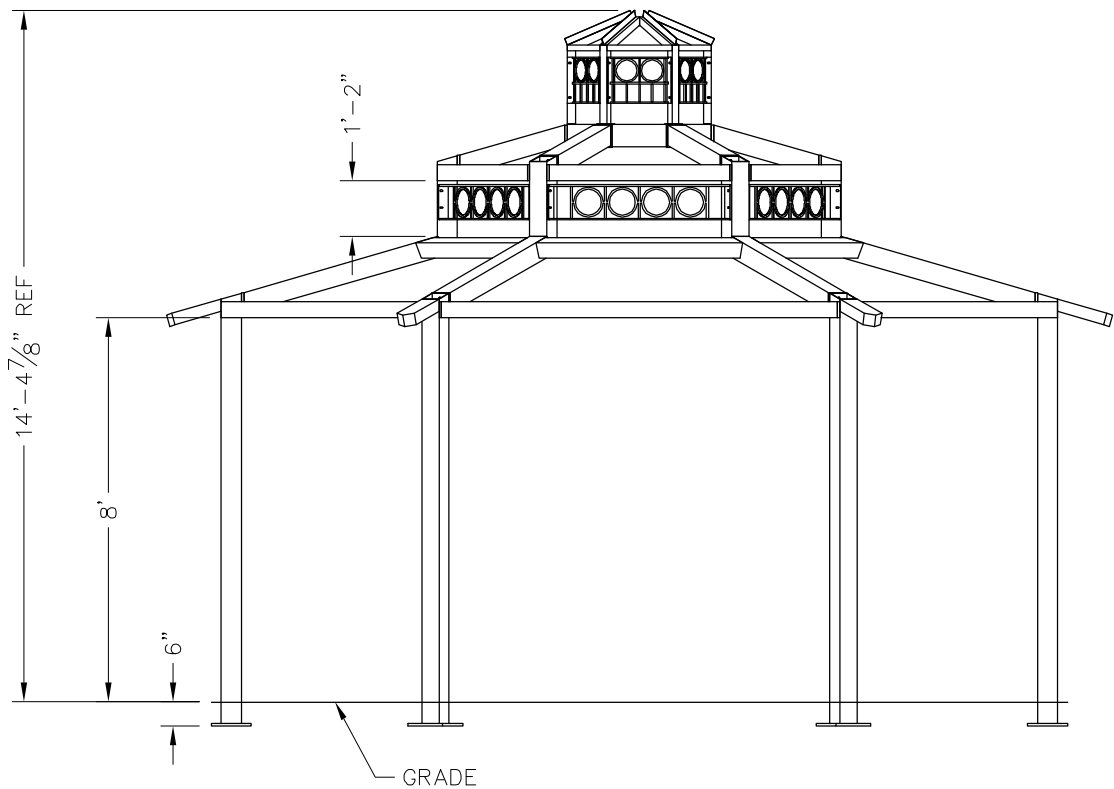
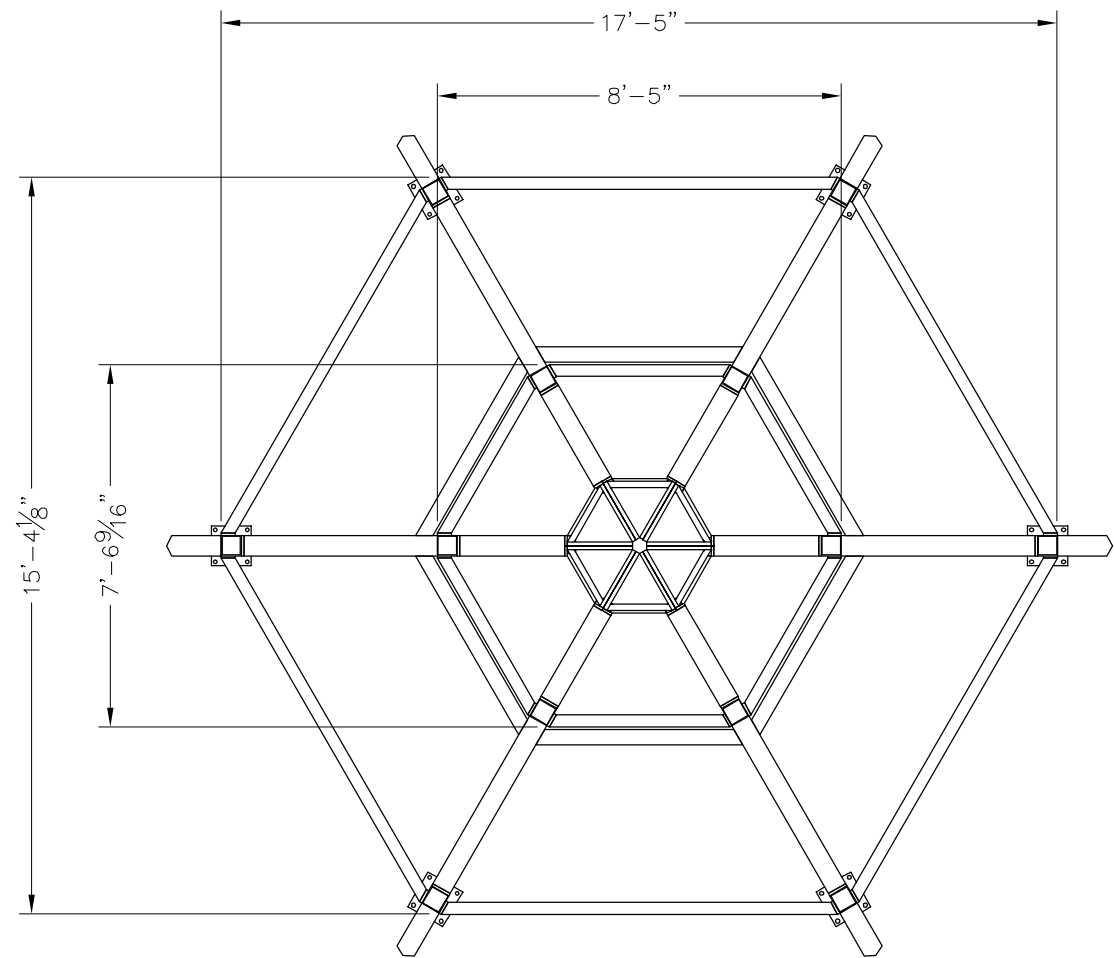
PROJECT NAME:

-65-90-50
FULL CIRCLE
UPPER ORN
CUPOLA

SHEET

2.0

Engineering\AcadStandard\Blocks\Titles\ICONPRETIT
06-73-01-42



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 5x5x3/16

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Frame

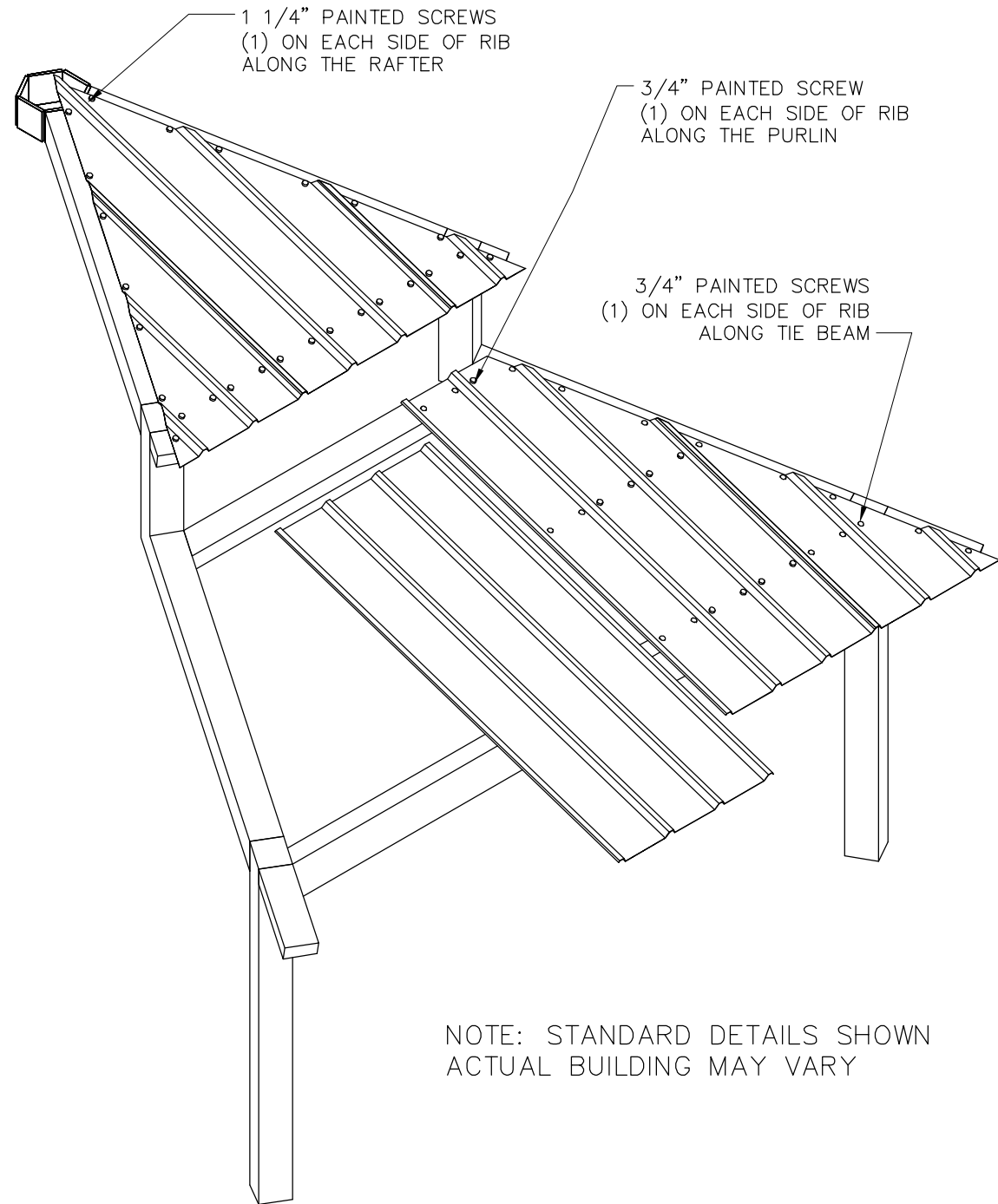
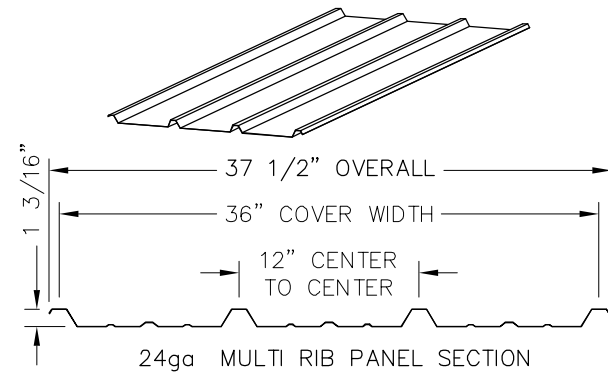
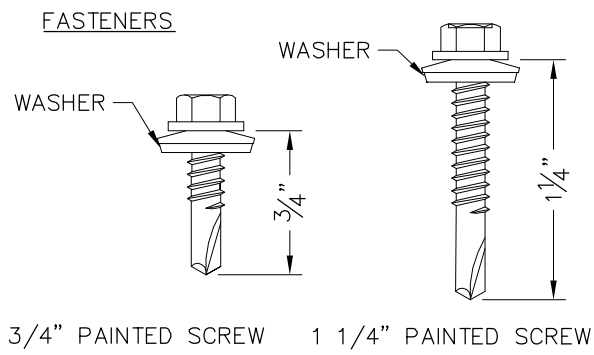
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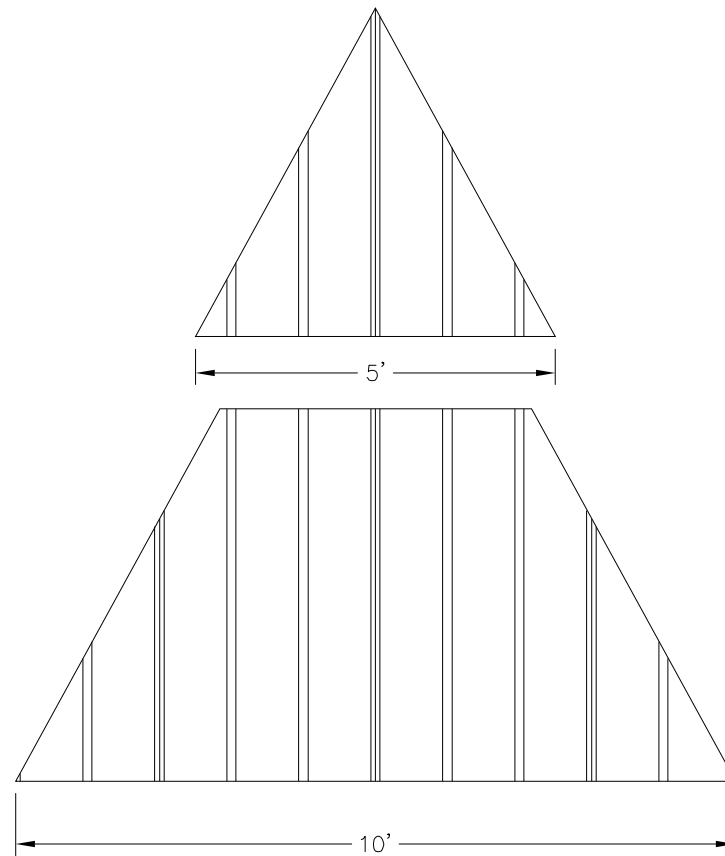
3.0

Engineering\AcadStandard\Blocks\titles\ICONPRETIT
06-73-01-42

DWG: \\icon01\Company\Engineering\Standards\Shelters\HX\20\M2C-P4-65-90-50\Drawings\Preliminary\HX20M2C-P4-65-90-50~26180.DWG



NOTE: STANDARD DETAILS SHOWN
ACTUAL BUILDING MAY VARY



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Roof Layout

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HX20M2C-P4
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-65-90-50 FULL CIRCLE UPPER ORN CUPOLA

SHEET
4.0

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