

Color to be:
Tudor Brown or
Forest Green

RECEIVED

APR 08 2022

CITY OF ANKENY

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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:

ID

DATE:

6/2/2009

JOB NO.:

STANDARD

REVISION:

BUILDING TYPE:

SQ20M-P6

PROJECT NAME:

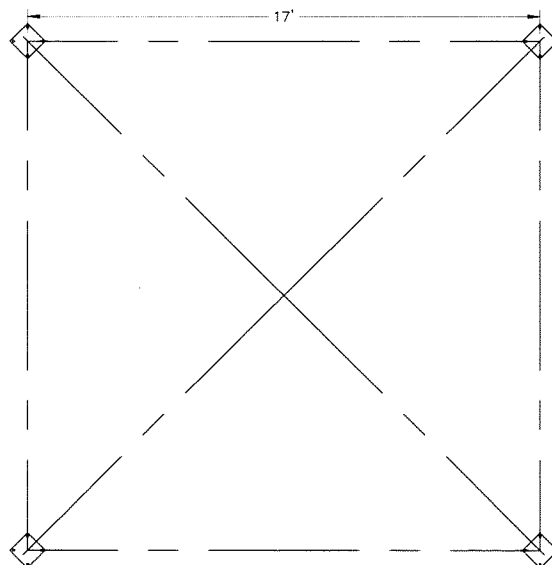
50-105-45

SHEET

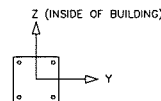
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DWG: S:\Engineering\Standards\Shelters\SQ\20\M-P6-50-105-45\Drawings\Preliminary\SQ20M-P6-50-105-45~12252.DWG

PRELIMINARY: NOT FOR
CONSTRUCTION



ANCHOR BOLT LAYOUT

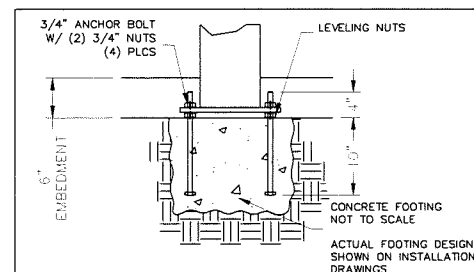


LOAD COMBINATION	FOUNDATION LOADS				
	AXIAL (F _x)	SHEAR (F _y)	SHEAR (F _z)	MOMENT (M _y)	MOMENT (M _z)
DL	0.74	0.00	0.00	.05	0.00
SL	4.29	0.00	-0.01	.06	0.00
W-UPLIFT	-1.27	0.19	-0.19	21	21
W-FY	-1.21	-0.19	0.19	-20.5	-20.5
W-FZ	-1.21	-0.19	0.20	-21	-21
E-FY	-0.06	-0.39	-0.39	42.6	-42.6
E-Z	-0.06	-0.39	-0.39	42.6	-42.6

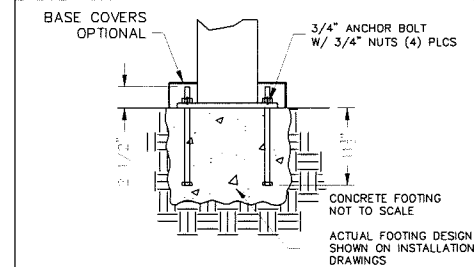
THESE FOUNDATION LOADS ARE FOR ESTIMATING PURPOSE ONLY.
THE ACTUAL LOADS WILL BE DETERMINED IN THE FINAL ENGINEERING

- 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-U = 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



PRELIMINARY DRAWINGS SHOWN AS 6" BURIED
STANDARD BASE CONNECTION
COLUMN TYPE: A (6" BURIED)



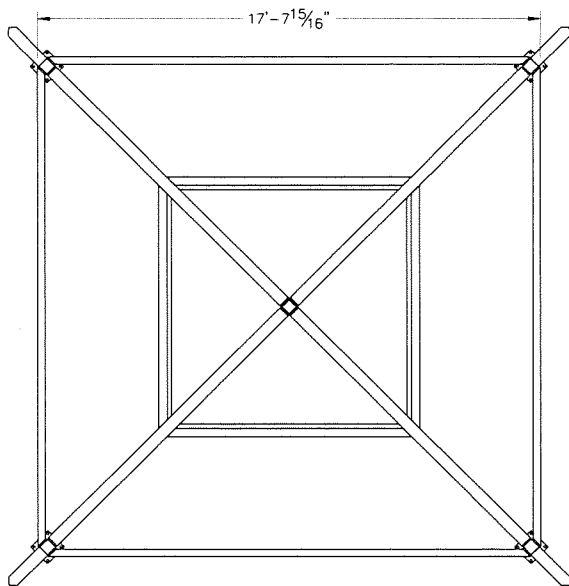
OPTIONAL BASE CONNECTION
COLUMN TYPE: B (SURFACE MOUNT W/ COVERS)

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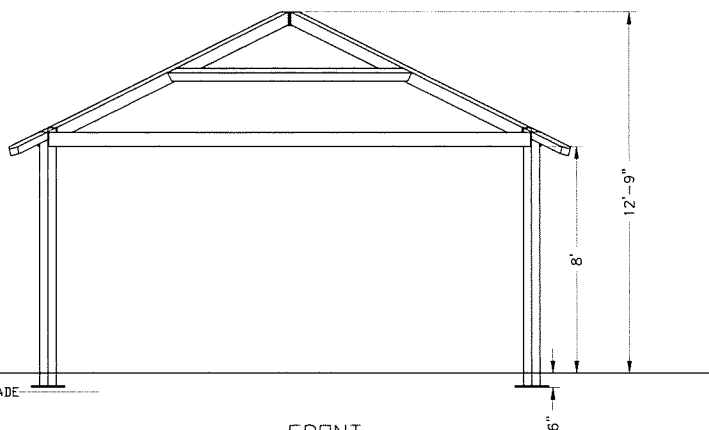
Anchor Bolt Layout

DRAWN BY: _____
ID _____
DATE: 6/2/2009
JOB NO.: _____
STANDARD _____
REVISION: _____
BUILDING TYPE: SQ20M-P6
PROJECT NAME: 50-105-45

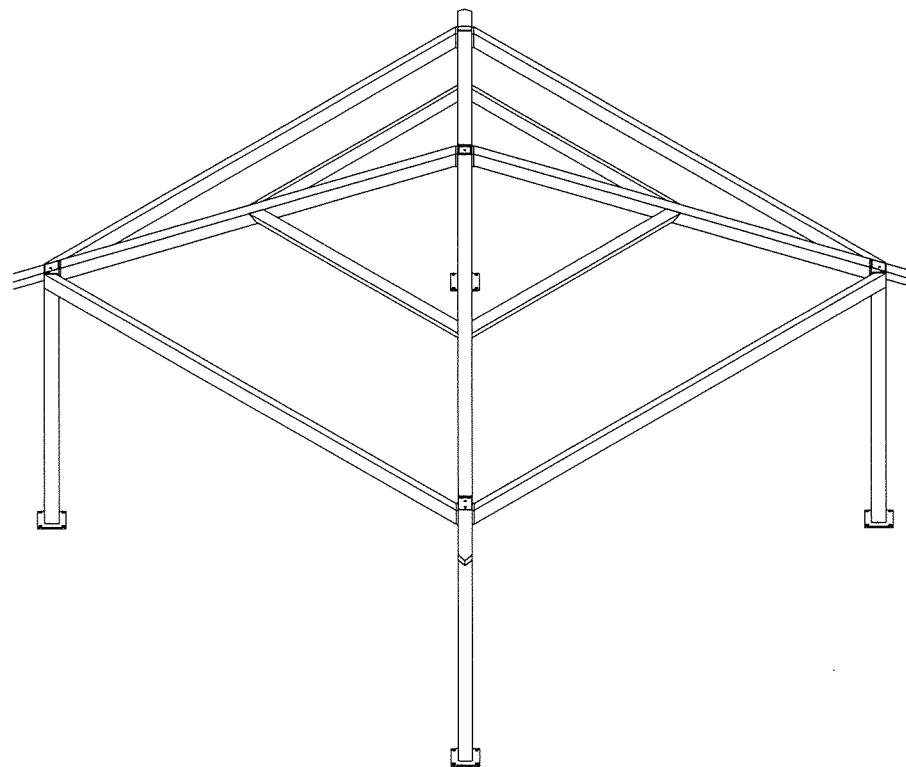
SHEET
2.0



PLAN



FRONT



ISOMETRIC

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

NOTE:
 COLUMN SIZE: HSS5x5x0.1875

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Frame

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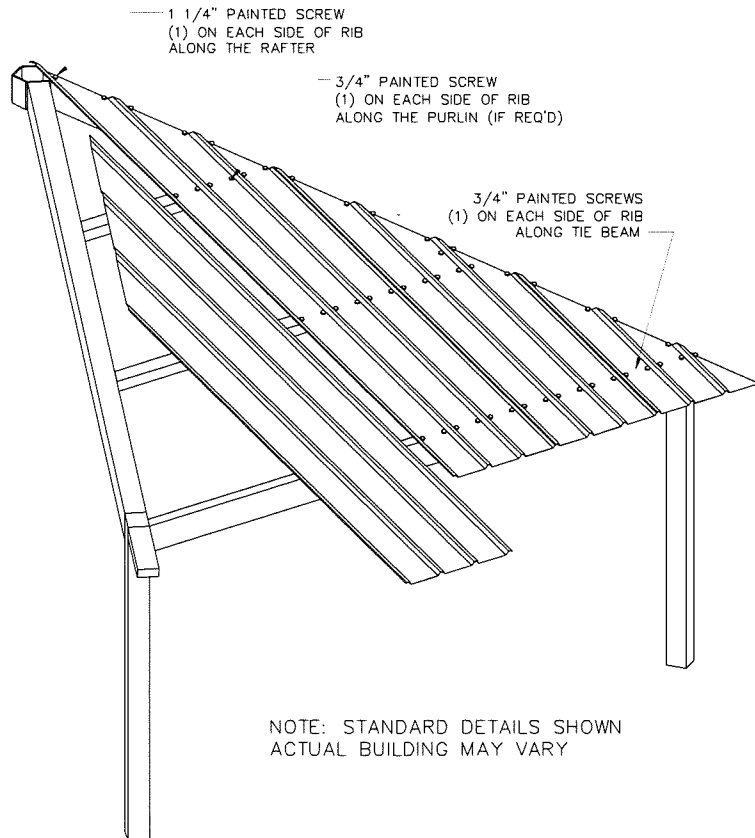
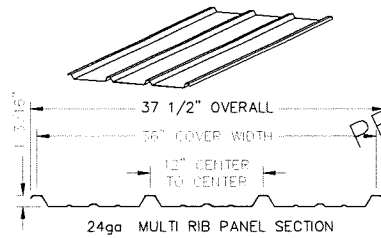
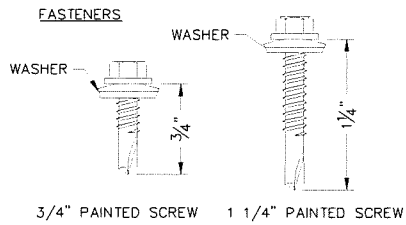
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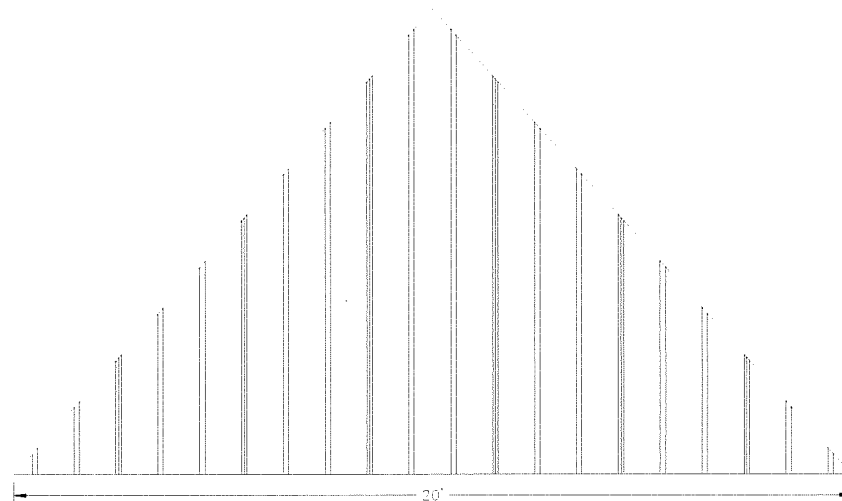
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DWG: S:\Engineering\Standards\Shelters\SQ\20\M-P6-50-105-45\Drawings\Preliminary\SQ20M-P6-50-105-45-12252.DWG



NOTE: STANDARD DETAILS SHOWN
ACTUAL BUILDING MAY VARY

PRELIMINARY: NOT FOR
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ROOF LAYOUT

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