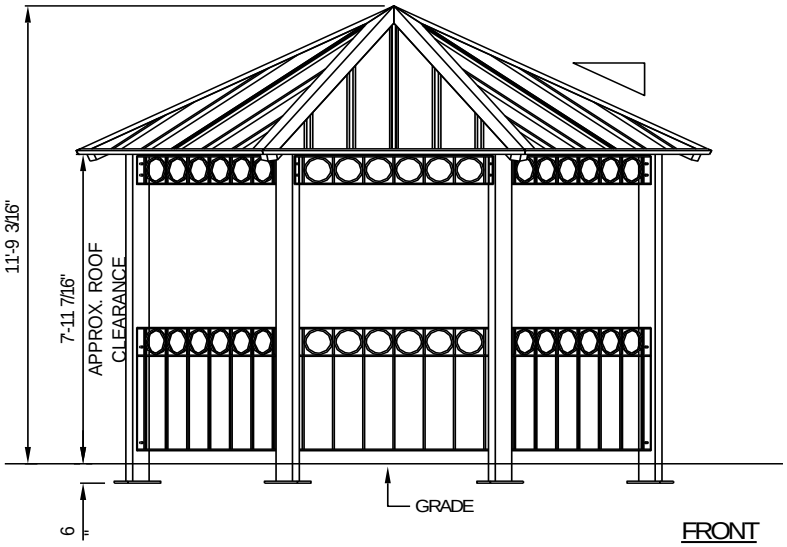
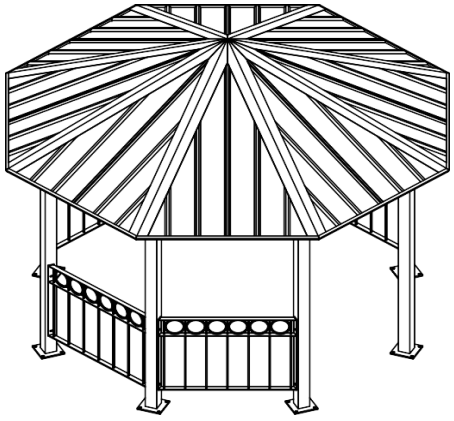
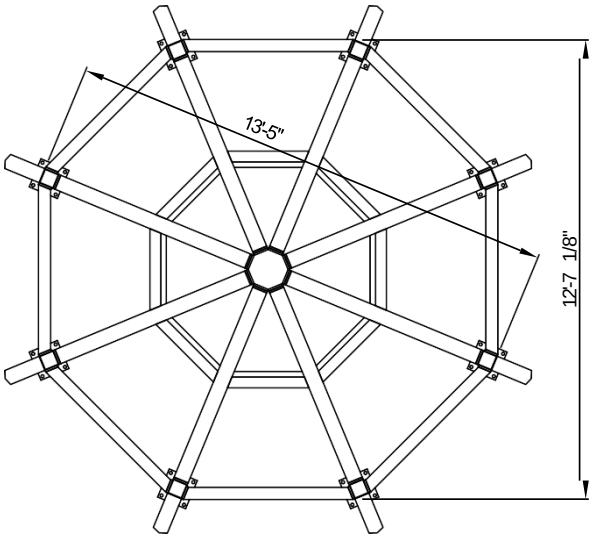
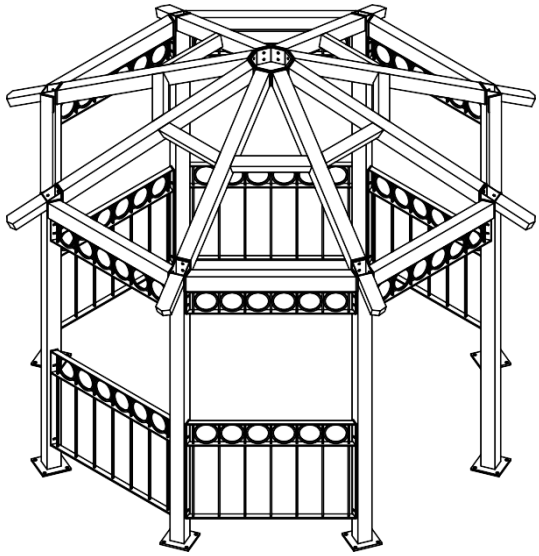
Octagon Two Tiers Steel Structure Park Gazebo
GAZO2TN



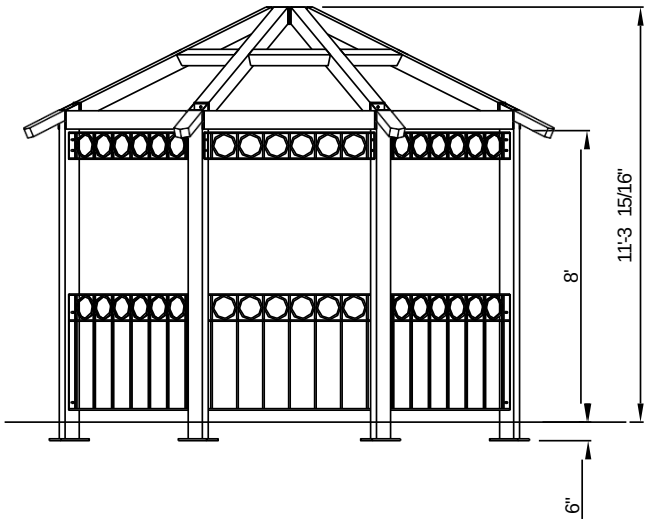




PLAN



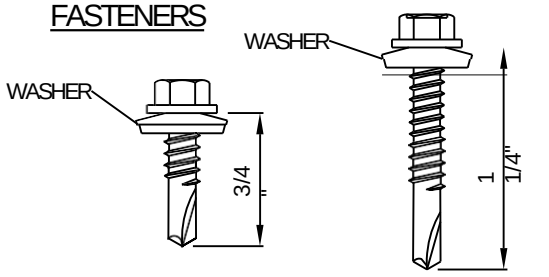
ISOMETRIC



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

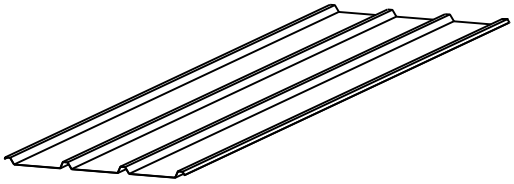
NOTE:
COLUMN SIZE: HSS5X5X0.1875

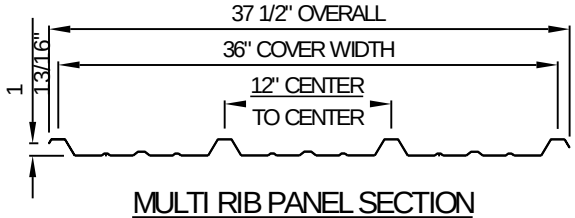
FASTENERS



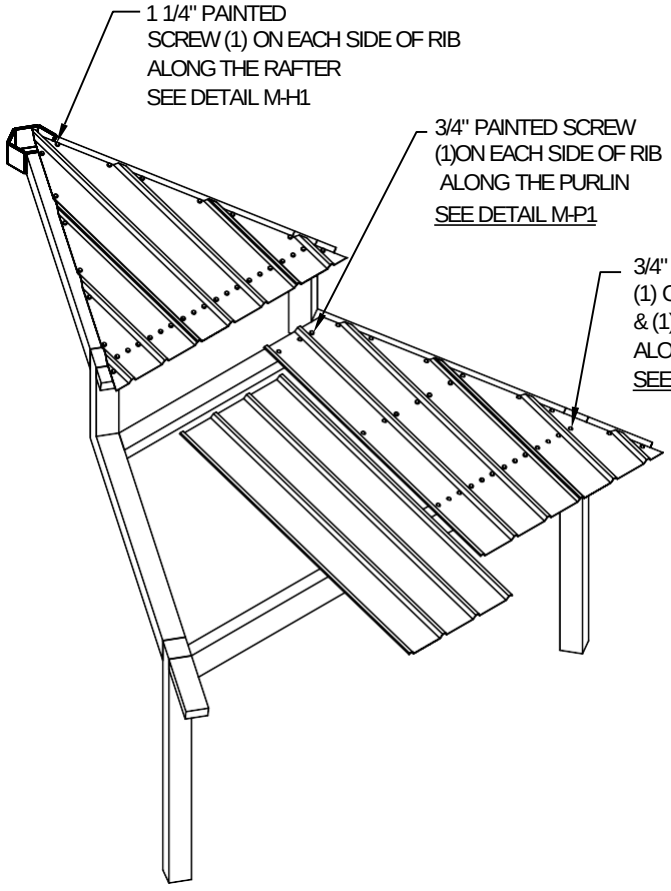
3/4" PAINTED SCREW

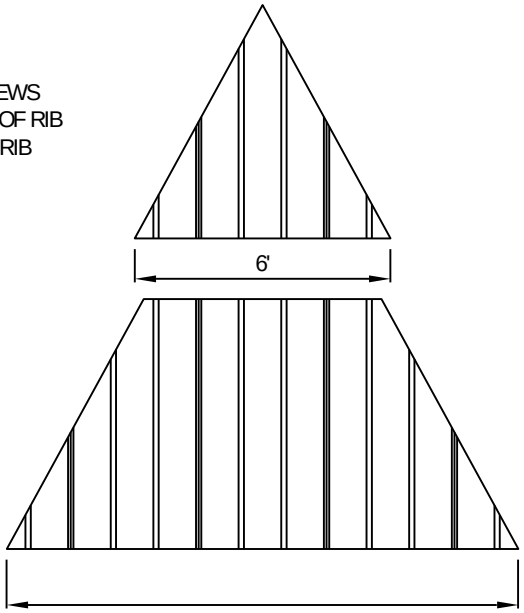
1 1/4" PAINTED SCREW





MULTI RIB PANEL SECTION





LOADS TO FOUNDATION (KIPS, IN-KIPS)	FOUNDATION LOADS				
LOAD COMBINATION	AXIAL(X)	SHEAR(Y)	SHEAR(Z)	MOMENT(Y)	MOMENT(Z)
DL	0.30	0.00	0.00	0.03	0.00
SL	0.61	0.00	0.00	0.01	0.00
W-UPLIFT	-0.51	0.11	-0.05	5.09	12.34
W-FY	-0.51	0.11	-0.05	5.09	12.34
W-FZ	-0.44	0.05	-0.11	12.35	5.12
E-FY	0.00	-0.05	0.02	-2.17	-5.24
E-Z	0.01	0.02	0.05	-5.24	2.17

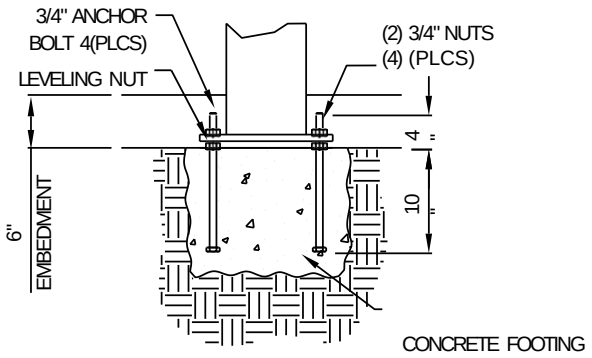
THESE FOUNDATION LOADS ARE FOR ESTIMATING PURPOSE ONLY.
THE ACTUAL LOADS WILL BE DETERMINED IN THE FINAL ENGINEERING

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-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



CONCRETE FOOTING
NOT BY ICON.