Square Single Tier Steel Structure Park Gazebo
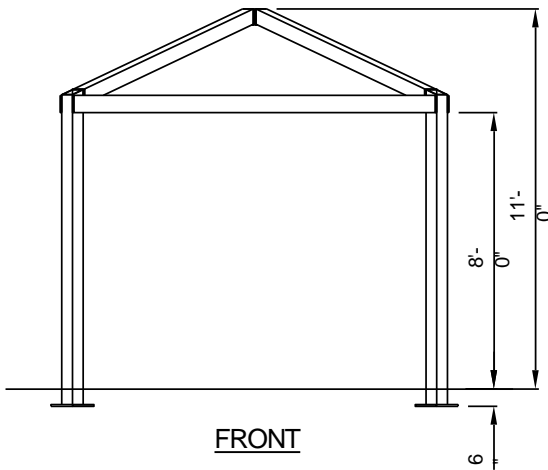## GAZS1T

10'-7 15/16"
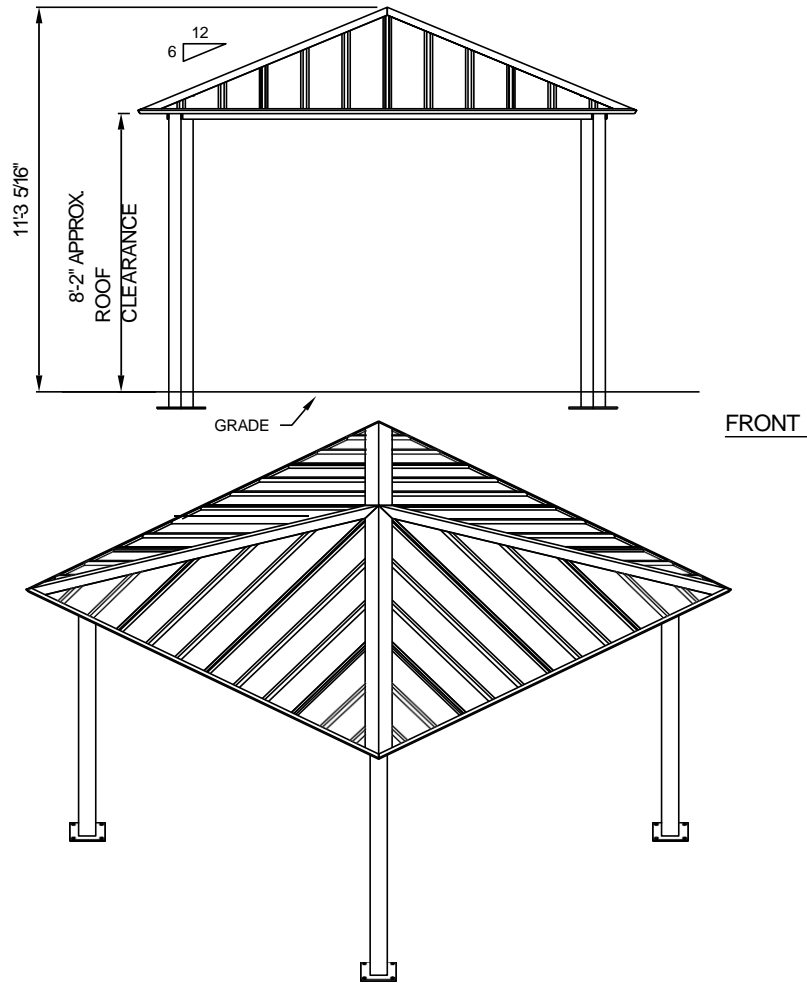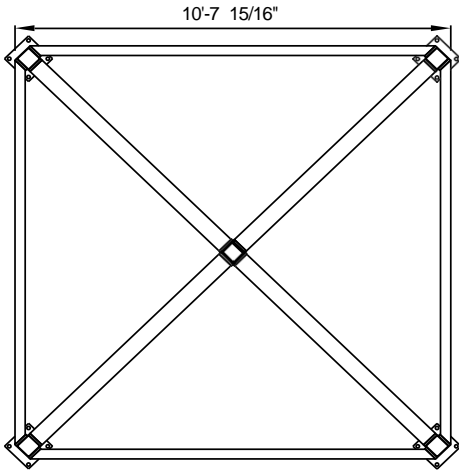
PLAN

ISOMETRIC

FRONT

11'-0"

8'-0"

6"
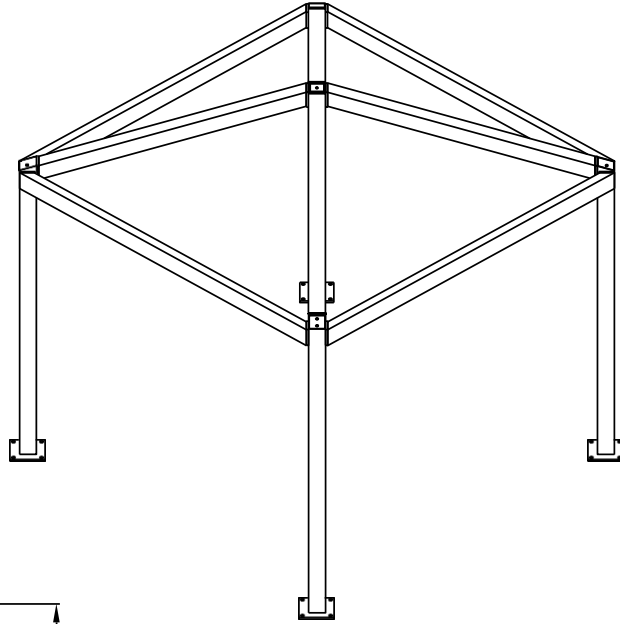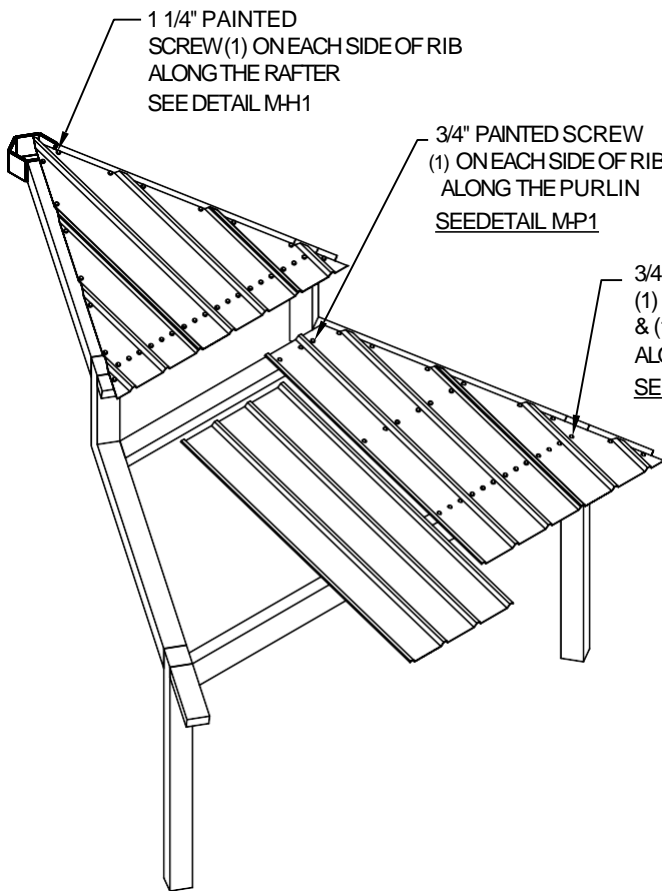
ALL STRUCTURAL COMPONETS WILL BE:
TUBE: ASTM A500 GRADE B
PLATE: ASTM A36
BOLTS: ASTM A325
NUTS: ASTM A563
WELDING: GMAW

NOTE:
COLUMN SIZE: HSS5X5X0.1875

FASTENERS

WASHER

WASHER

3/4

1 1/4"

3/4" PAINTED SCREW

1 1/4" PAINTED SCREW

1 1/4" PAINTED
SCREW (1) ON EACH SIDE OF RIB
ALONG THE RAFTER
SEE DETAIL M-H1

3/4" PAINTED SCREW
(1) ON EACH SIDE OF RIB
ALONG THE PURLIN
SEE DETAIL M-P1

3/4" PAINTED SCREWS
(1) ON EACH SIDE OF RIB
& (1) IN-BETWEEN RIB
ALONG TIE BEAM
SEE DETAIL M-E1

37 1/2" OVERALL

36" COVER WIDTH

12" CENTER

TO CENTER

13/16"

1

MULTI RIB PANEL SECTION

6'

LOADS TO FOUNDATION
(KIPS, IN-KIPS)
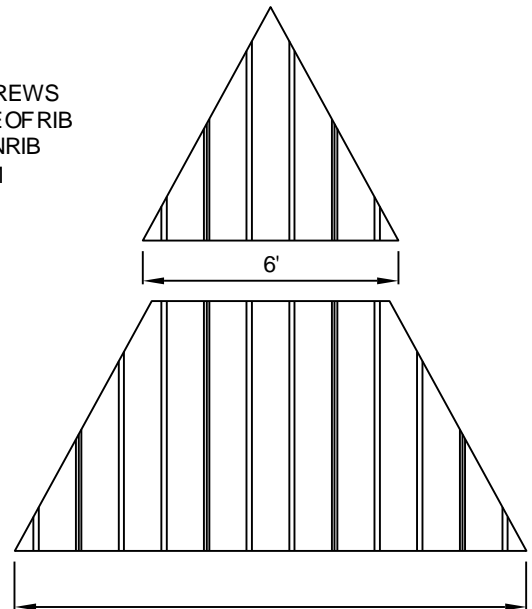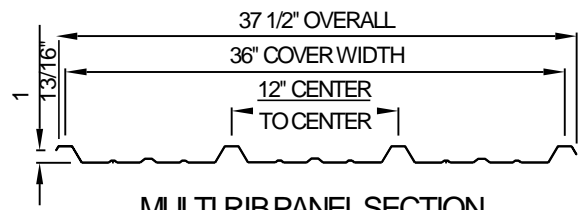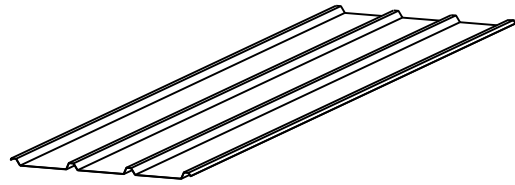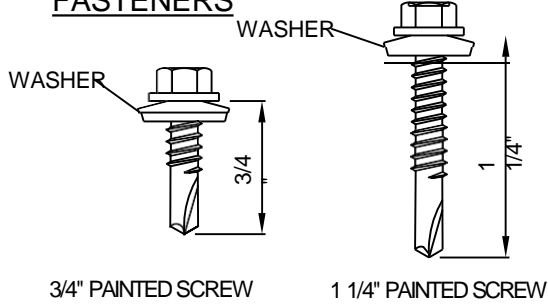
LOAD COMBINATION	FOUNDATION LOADS				
	AXIAL(X)	SHEAR(Y)	SHEAR(Z)	MOMENT(Y)	MOMENT(Z)
DL	0.63	0.00	0.00	0.05	0.00
SL	1.92	0.00	-0.01	0.16	0.00
W-UPLIFT	-1.51	0.23	-0.22	24.26	24.35
W-FY	-1.51	0.23	-0.22	24.26	24.35
W-FZ	-1.51	0.23	-0.22	24.26	24.35
E-FY	0.03	0.12	0.12	-12.69	12.68
E-Z	0.03	0.12	0.12	-12.69	12.68

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

3/4" ANCHOR
BOLT (4) PLCS
(2) 3/4" NUTS
(4) PLCS
LEVELING NUT
4"
10"
6"
EMBEDMENT
CONCRETE FOOTING
NOT BY ICON.

13'-0"

ANCHOR BOLT LAYOUT