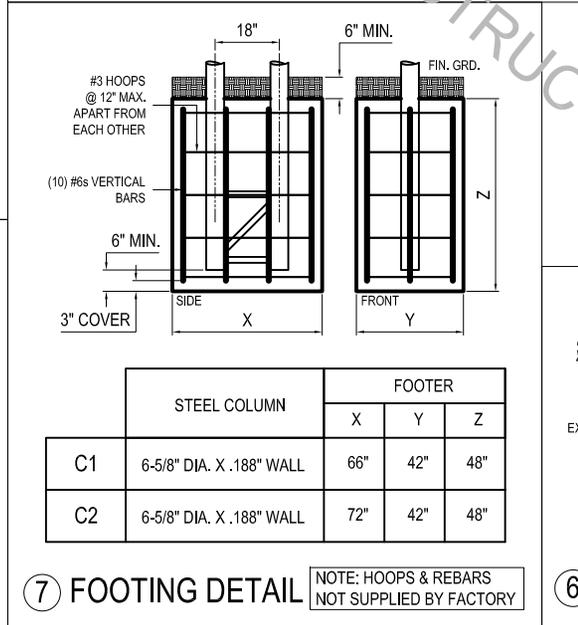
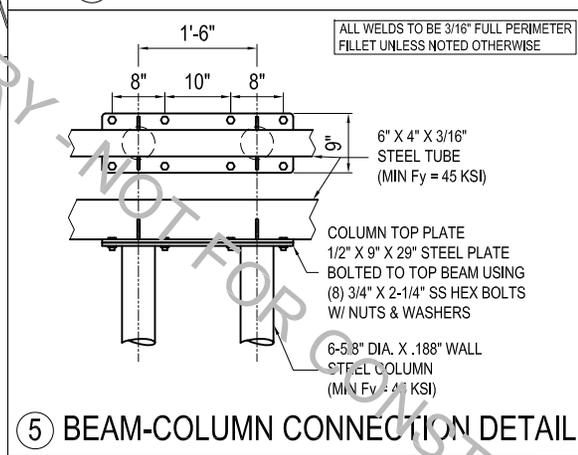
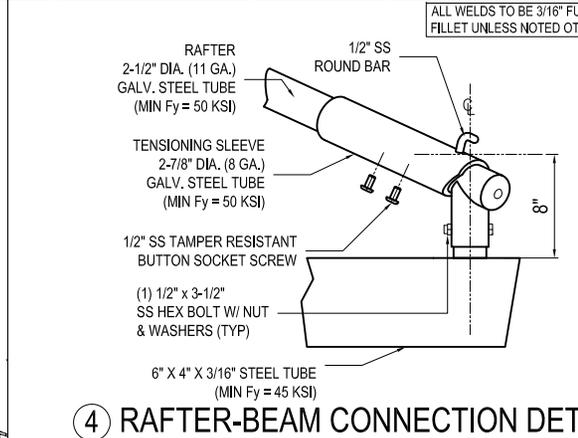
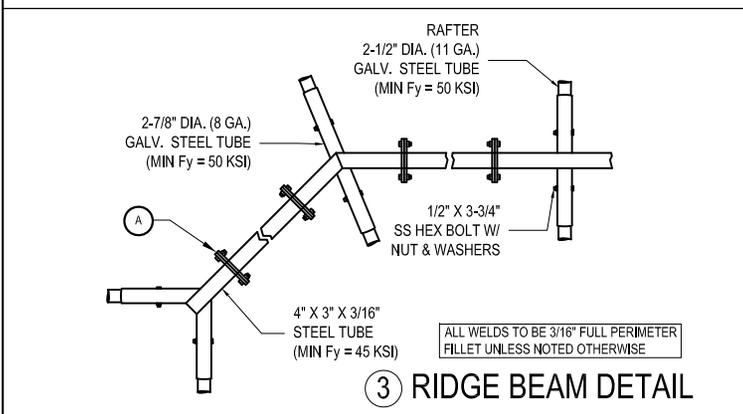
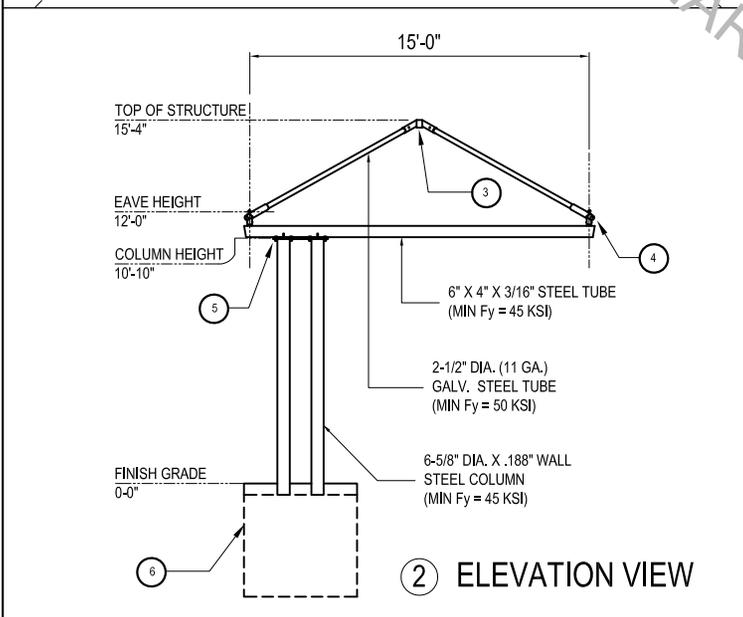
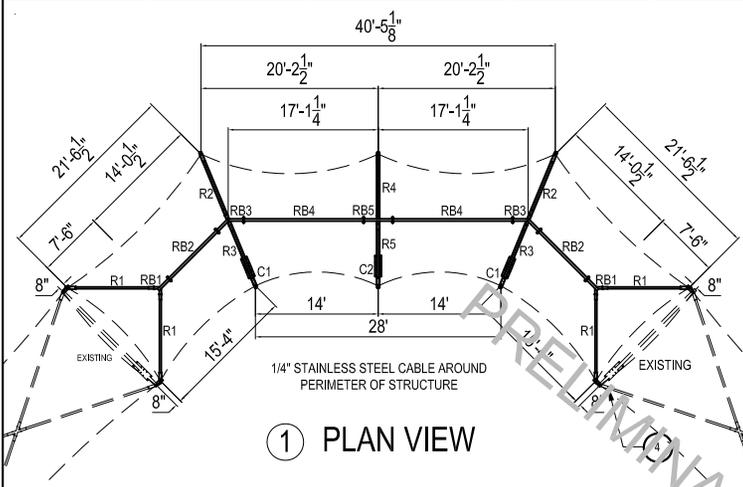


**IMPORTANT:** The footings sizes provided are estimated only. Depending on local conditions, actual engineered concrete footings may be substantially larger than estimates provided herein. Shade Systems is not responsible for actual engineered footings sizes differing from the estimates given or for any additional concrete installation costs which may be incurred by you as a result thereof.



**GENERAL NOTES**

1- THE SHADE SYSTEMS, INC. STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2014 FLORIDA BUILDING CODE FIFTH EDITION AND ASCE 7-10 TO THE FOLLOWING DESIGN CRITERIA:

RISK CATEGORY	STRUCTURE WITH FABRIC CANOPY REMOVED
EXPOSURE	C
BASIC WIND SPEED	165 MPH

2- THE FOUNDATION ASSUMES A MINIMUM SOIL BEARING CAPACITY OF 1700 PSF.

3- ALL FASTENERS SHALL BE STAINLESS STEEL.

4- THE STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH SECTION 3105.4 OF THE FLORIDA BUILDING CODE GOVERNING THE DESIGN OF FABRIC-COVERED FRAMES. THIS SECTION REQUIRES THAT THE TRAVING MEMBERS BE DESIGNED FOR A WIND VELOCITY OF NOT LESS THAN 100 MPH WITH THE FABRIC ATTACHED. THE FABRIC SYSTEMS ARE DESIGNED TO RELEASE WHEN WIND SPEED EXCEEDS 90 MPH.

**STEEL:**

1- STEEL PIPES SHALL HAVE A MINIMUM YIELD STRENGTH OF 45 KSI. STEEL PLATES SHALL CONFORM TO ASTM A36

2- ALL PARTS SHALL BE FACTORY-WELDED TO AMERICAN WELDING SOCIETY (AWS) SPECIFICATIONS AND SHALL UTILIZE E70-SS AND HAVE THE HIGHEST STANDARDS OF QUALITY WORKMANSHIP.

3- ALL WELDS SHALL BE FILLET WELDS WITH MAXIMUM PERMISSIBLE THROAT THICKNESS OR FULL PENETRATION GROOVE WELDS.

**CONCRETE:**

1- ALL CONCRETE SHALL BE MIXED AND PLACED IN ACCORDANCE WITH THE LATEST EDITION OF ACI 301 AND 318.

2- CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH (f<sub>c</sub>) OF 3000 PSI & CONCRETE MIX HAVING A LISTED STRENGTH OF AT LEAST 3000 PSI THAT IS MIXED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS IS ACCEPTABLE FOR USE.

3- REINFORCING STEEL SHALL BE ASTM A-615 GRADE 60 WITH A MINIMUM YIELD STRENGTH (f<sub>y</sub>) OF 60 KSI.

4- UNLESS OTHERWISE SHOWN, CONCRETE COVER SHALL BE 3" MIN.

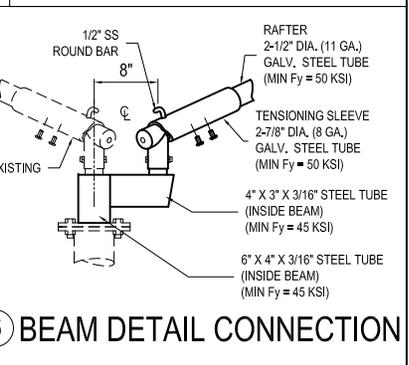
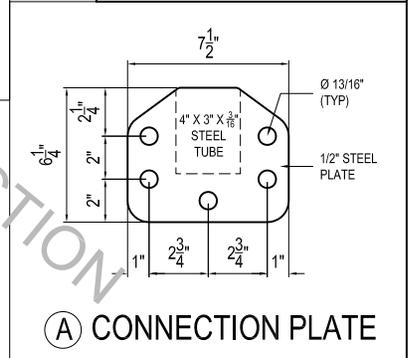
**FABRIC:**

1- KNITTED HDPE FABRIC HAS A SIEVE FACTOR OF 64%

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**NOTE TO OWNER:**  
OWNER ACCEPTS FULL RESPONSIBILITY FOR REMOVING THE FABRIC SHADE MATERIAL FROM THE STEEL FRAME WHEN SEVERE WEATHER CONDITIONS ARE PREDICTED. SUCH CONDITIONS INCLUDE PREDICTED WIND SPEEDS IN EXCESS OF 90 MPH.



Firm Name and Address

**Shade systems**

4150 S.W. 19 Street  
Ocala, FL 34474  
Tel: 1-800-609-6066

**City of Margate-Sports Complex**  
Margate, FL 33063

Approved:

Model Name:  
SINGLE CANTILEVER SHADE SYSTEM STRUCTURE

Model No.:  
SC158412

Revisions

REP:

REP QTE. NO.  
00000000

Approved: JRB Job: QTE  
Checked: MG  
Drawn: RB  
Date: 07/27/2017 Sheets: 1 OF 1  
NOT TO SCALE