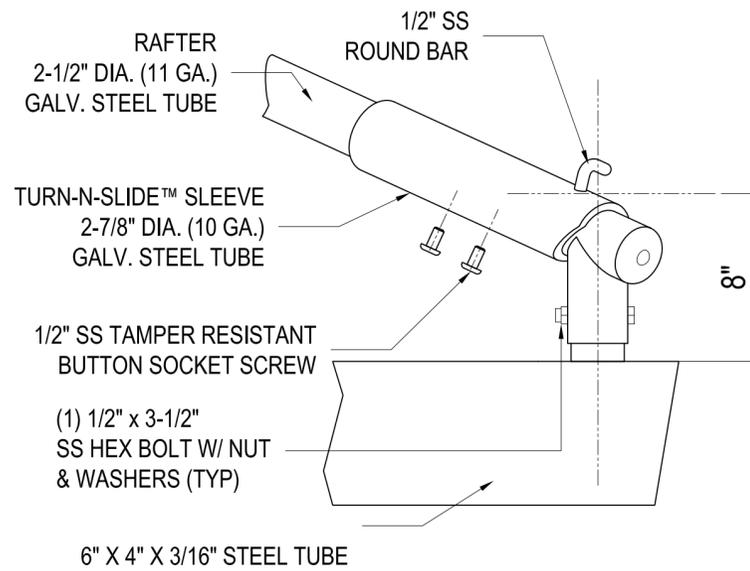
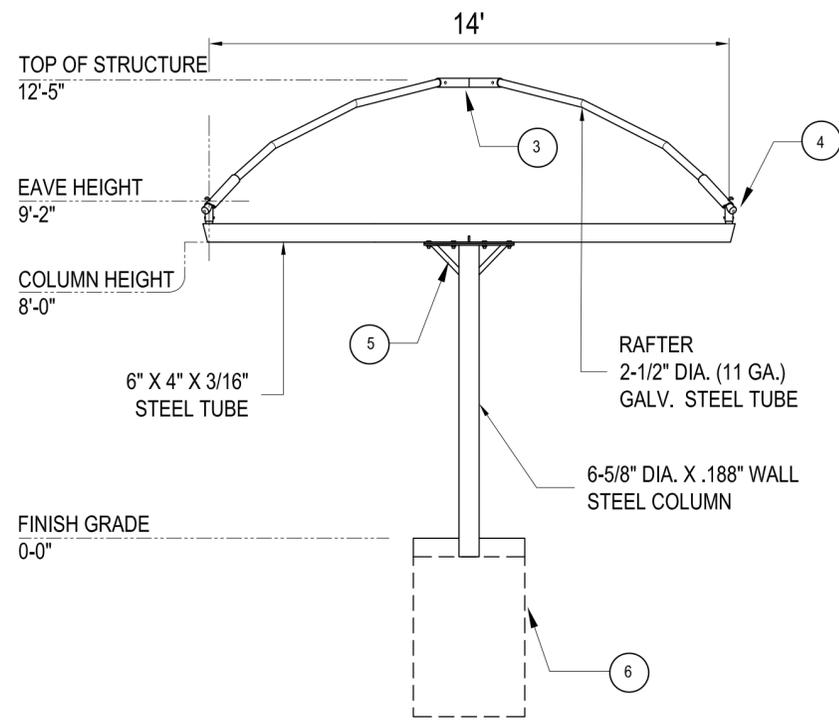


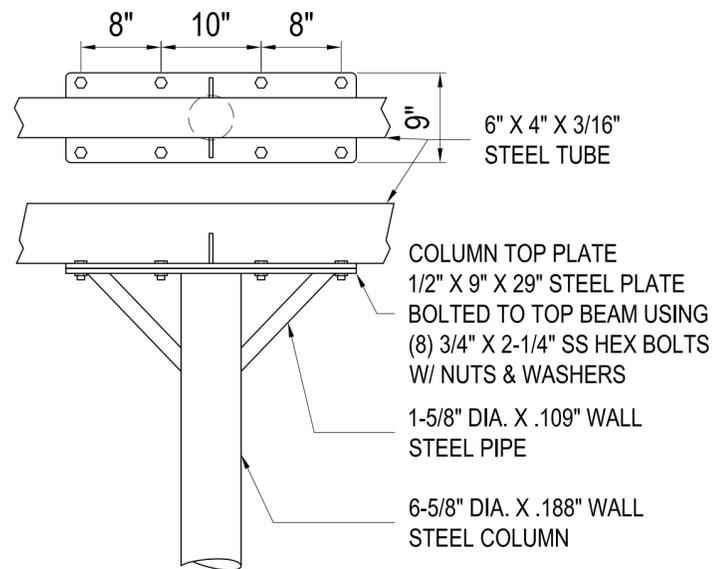
1 PLAN VIEW



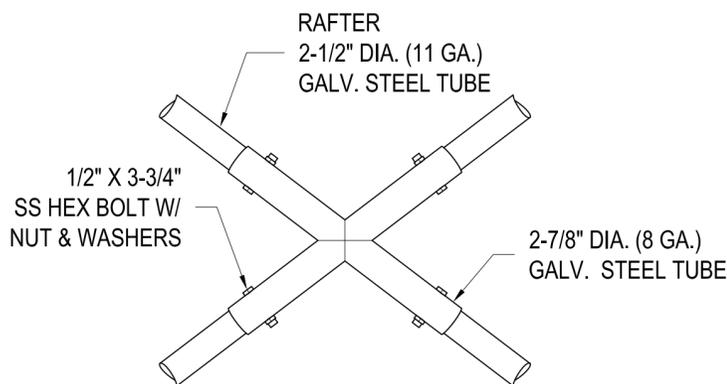
4 RAFTER-BEAM CONNECTION DETAIL



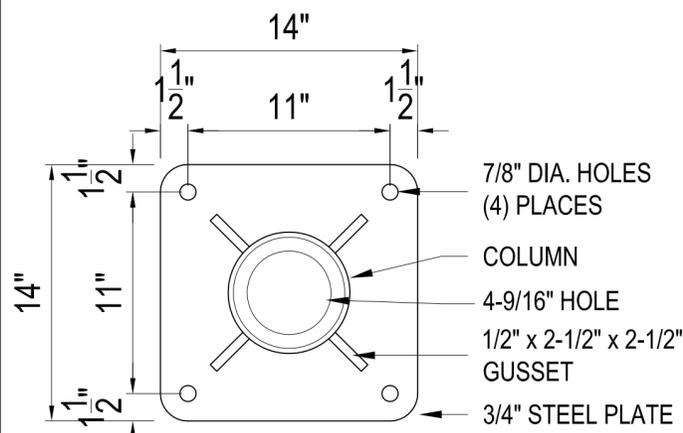
2 ELEVATION VIEW



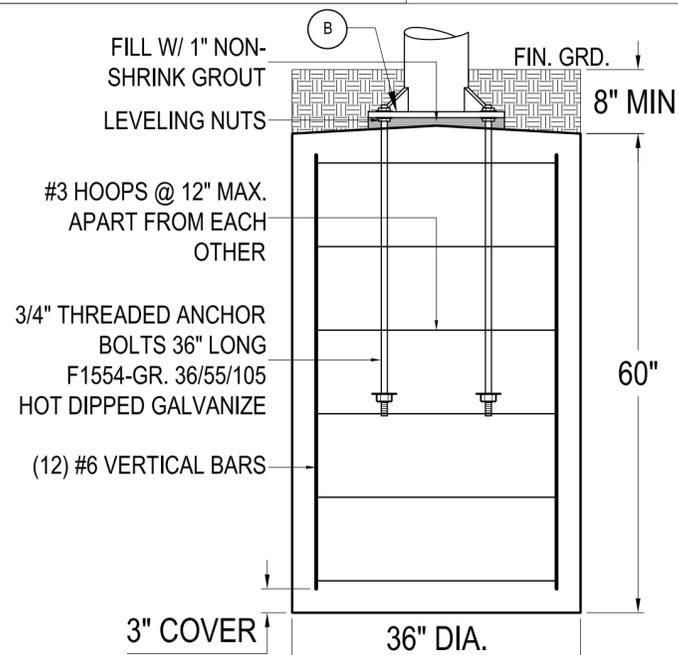
5 BEAM-COLUMN CONNECTION DETAIL



3 CENTER CONNECTOR



B BASE PLATE DETAIL



6 FOOTING DETAIL

NOTE: GROUT, HOOPS, REBARS & ANCHOR BOLTS NOT SUPPLIED BY FACTORY

GENERAL NOTES

1- THE SHADE SYSTEMS, INC.™ STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2018 IBC CODES ALONG WITH ANY ADOPTED STATE BUILDING CODES AND ASCE 7-16 TO THE FOLLOWING DESIGN CRITERIA:

CATEGORY	STRUCTURE WITH FABRIC CANOPY REMOVED
EXPOSURE	C
BASIC WIND SPEED	115 MPH

- 2- THE FOUNDATION ASSUMES A MINIMUM SOIL BEARING CAPACITY OF 1700 PSF.
- 3- ALL FASTENERS SHALL BE STAINLESS STEEL.
- 4- ALL BOLTS MUST BE SNUG TIGHT. THE SNUG TIGHTENED CONDITION IS THE TIGHTNESS THAT IS ATTAINED WITH THE FULL EFFORT OF A TYPICAL WORKER USING AN ORDINARY SPUD WRENCH TO BRING THE PLIES INTO FIRM CONTACT. SNUG TIGHT IS THE CONDITION THAT EXISTS WHEN ALL THE PLIES IN A CONNECTION HAVE BEEN PULLED INTO FIRM CONTACT BY THE BOLTS IN THE JOINT AND ALL THE BOLTS IN THE JOINT HAVE BEEN TIGHTENED SUFFICIENTLY TO PREVENT THE REMOVAL OF THE NUTS WITHOUT THE USE OF A WRENCH.
- 5- THE FABRIC SYSTEM IS DESIGNED TO WITHSTAND WINDS UP TO 90 MPH WITH THE FABRIC ATTACHED, HOWEVER THE FABRIC MAY NOT WITHSTAND WINDS IN EXCESS OF 90 MPH AND THEREFORE RELEASE.

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 E70-86 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 4000 PSI. A CONCRETE MIX HAVING A LISTED STRENGTH OF AT LEAST 3000 PSI THAT IS MIXED IN ACCORDANCE WITH THE MANUFACTURER'S 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- COOLNET™ SHADE FABRICS MEET FIRE STANDARDS FOR SHADE FABRICS INCLUDING CSFM 1237.1 AND NFPA 701 ACROSS ALL COLOR VARIANTS.

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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. ALSO, AS STRUCTURE IS NOT DESIGNED FOR ANY SNOW LOAD, IT IS RECOMMENDED THAT CANOPY BE REMOVED WHEN SNOWFALL IS EXPECTED.

**Shade systems**  
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Longview Pickleball Complex  
3801 SW Longview Rd  
Lee's Summit, MO 64081

Approved:



*John Longnecker*

Model Name:  
T - CANTILEVER  
SHADE SYSTEMS STRUCTURE  
Model No.:  
TCF143009PM

Revisions	

REP:  
  
REP QTE. NO.  
Q-15764

Approved: JRB Job: 10119-2  
Checked: MG  
Drawn: RB  
Date: 08/26/2025 Sheets: 1 OF 1  
NOT TO SCALE