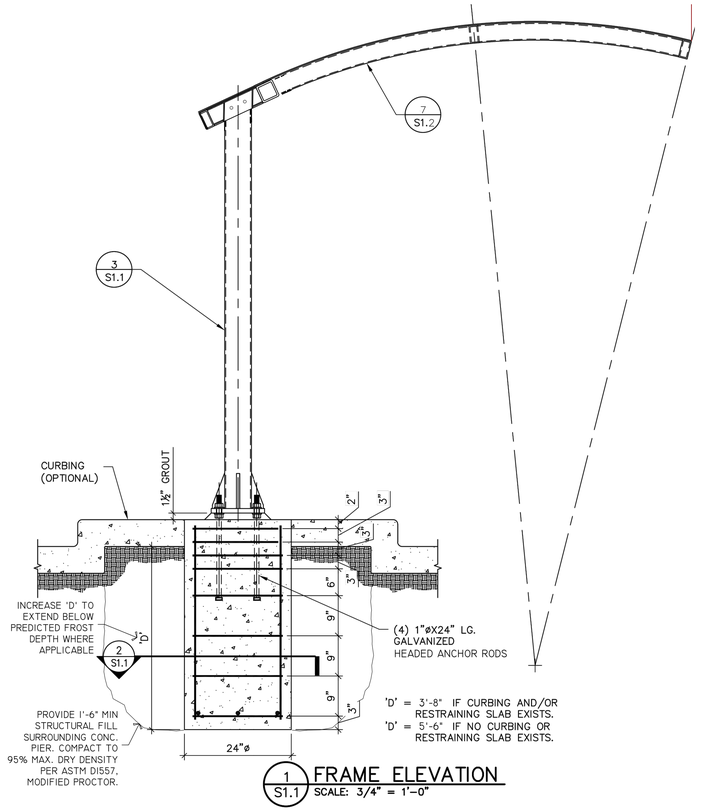
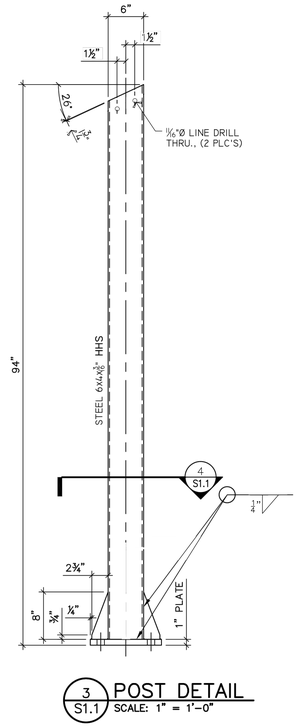
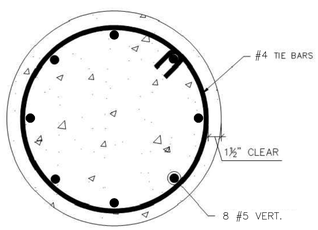


1 S1.1 **FRAME ELEVATION**
SCALE: 3/4" = 1'-0"

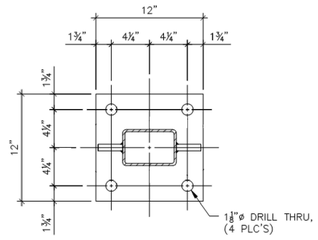


3 S1.1 **POST DETAIL**
SCALE: 1" = 1'-0"



2 S1.1 **SECTION THRU FOUNDATION**
SCALE: 1 1/2" = 1'-0"

NOTE:
1. TOP OF FOUNDATION MAY BE FORMED @ 24" X 24" SQUARE.



4 S1.1 **SECTION – BASE PLATE**
SCALE: 1 1/2" = 1'-0"

STRUCTURAL STEEL NOTES

1. COMPLY WITH AISC'S "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS--ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN," RCSC'S "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A 325 OR A 490 BOLTS," AND AWS D1.1 "STRUCTURAL WELDING CODE--STEEL."
   A. BOLTS USED FOR THE TOP OF COLUMN CONNECTION SHALL BE ¾" DIAMETER ANSI/ASME B18.2.1, SAE J429 STEEL, GRADE 8.
2. HOLLOW STEEL SECTIONS: ASTM A500, GRADE B, FY = 46 KSI. .
3. PLATES, BARS & OTHER SHAPES: ASTM A36
4. ANCHOR BOLTS & NUTS: ASTM F1554, GR. 36, HEADED RODS, AND ASTM A36 NUTS. INSURE THAT RODS ARE FREE OF OIL AND DEBRIS PRIOR TO PLACEMENT. .
5. GROUT: ASTM C 1107, NONMETALLIC, SHRINKAGE RESISTANT, PREMIXED.
6. FABRICATE STRUCTURAL STEEL ACCORDING TO AISC SPECIFICATIONS AND TOLERANCE LIMITS OF AISC'S "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" FOR STRUCTURAL STEEL.
7. SHOP PRIMER: ONE COAT OF RED OXIDE, MIN. (2) MILS THICK. TOUCH-UP ANY DAMAGED SURFACES AFTER ERECTION.
8. ERECT STRUCTURAL STEEL ACCORDING TO AISC SPECIFICATIONS AND WITHIN ERECTION TOLERANCES OF AISC'S "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES."
9. SET BASE AND BEARING PLATES ON WEDGES, SHIMS, OR SETTING NUTS. TIGHTEN ANCHOR BOLTS, CUT OFF WEDGES OR SHIMS FLUSH WITH EDGE OF PLATE, AND PACK GROUT SOLIDLY BETWEEN BEARING SURFACES AND PLATES.
10. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AWS BY CERTIFIED WELDERS. WELD FILLER ALLOY SHALL BE ONE OF THE FOLLOWING: 5183, 5356, 5554, OR 5556.
11. BREAK ALL SHARP EDGES.
12. ALL ALUMINUM SHALL BE 6061 ALLOY.
13. THE STRUCTURE IS DESIGNED FOR LOADS IN ACCORDANCE WITH THE 2009 EDITION OF THE INTERNATIONAL BUILDING CODE AND THE 2005 EDITION OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS PUBLICATION "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES", ASCE7-05.

A. ROOF LIVE LOAD: 40 PSF

B. WIND LOAD:
   (1) BASIC WIND SPEED V = 130 MPH
   (2) WIND IMPORTANCE FACTOR I = 1
   (3) OCCUPANCY CATEGORY II
   (4) WIND EXPOSURE EXPOSURE B
   (5) INTERNAL PRESSURE COEFFICIENT GCPI = 0.0

C. FOUNDATIONS ARE DESIGNED FOR A PRESUMPTIVE ALLOWABLE SOIL BEARING PRESSURE = 2000 PSF.

CAST-IN-PLACE CONCRETE

1. COMPLY WITH ASTM C94; ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS"; ACI 318, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"; AND CRSI'S "MANUAL OF STANDARD PRACTICE."
2. CONCRETE EXPOSED TO FREEZE-THAW CYCLES SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4500 PSI. CONCRETE THAT WILL NOT BE EXPOSED TO FREEZE-THAW CYCLES SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3000 PSI.
3. REINFORCING BARS SHALL NOT BE SPLICED.
4. DEFORMED REINFORCING BARS: ASTM A615, GRADE 60.
5. PORTLAND CEMENT: ASTM C150, TYPE 1.
6. FLY ASH: ASTM C618, TYPE F (LIMITED TO 15 PERCENT OF TOTAL CEMENT CONTENT).
7. DO NOT ADD WATER TO CONCRETE DURING DELIVERY, AT PROJECT SITE, OR DURING PLACEMENT, UNLESS APPROVED BY ENGINEER.
8. PROTECT CONCRETE FROM PHYSICAL DAMAGE OR REDUCED STRENGTH DUE TO WEATHER EXTREMES DURING MIXING, PLACING, AND CURING. REPAIR SURFACE DEFECTS AS REQ'D.
   A. MAINTAIN CONCRETE CONTINUOUSLY MOIST W/ TEMPERATURE ABOVE 50 DEGREES F FOR 7 DAYS AFTER PLACEMENT.
9. STRUCTURAL FILL SHALL BE CLEAN, NON-FROST SUSCEPTIBLE SAND AND GRAVEL MEETING THE GRADATION REQUIREMENTS GIVEN BELOW:

STRUCTURAL FILL	
SIEVE SIZE	PERCENT FINER BY WEIGHT
4 INCH	100
3 INCH	90 TO 100
¼ INCH	25 TO 90
#40	0 TO 30
#200	0 TO 5

NO.	DATE	REVISION

TSS, Inc.
11450 Stephens Rd
Warren, MI

DRAWN BY: PAN
CHK'D BY: MAC
ISSUE DATE: 6-13-16
PROJ. NO.: 2016061

CURVED CANOPY STRUCTURE -
40 PSF - 2 POSTS

STATE OF MAINE
MICHAEL ALAN CUNNINGHAM
LICENSED PROFESSIONAL ENGINEER

LICENSED ENGINEER IN:
MAINE
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VERMONT
MASSACHUSETTS
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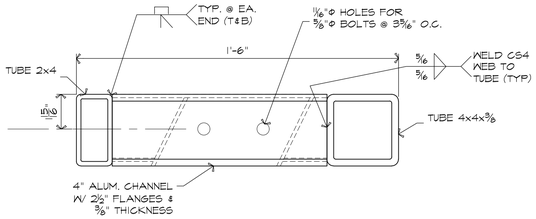
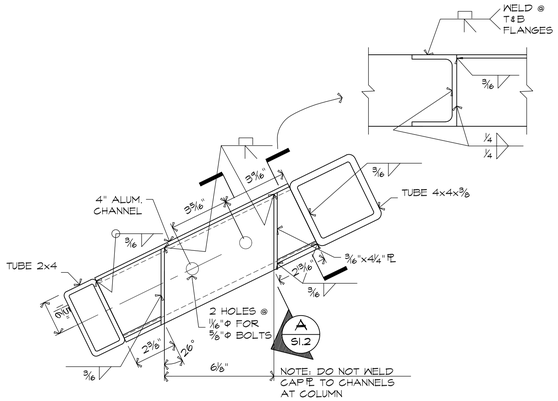
Lincoln/Haney
Engineering Associates, Inc.
6 Federal Street
Brunswick, Maine 04011
Phone: 207-729-1061 Fax: 207-729-2941

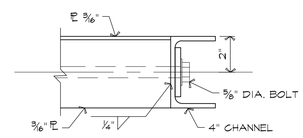
S1.1



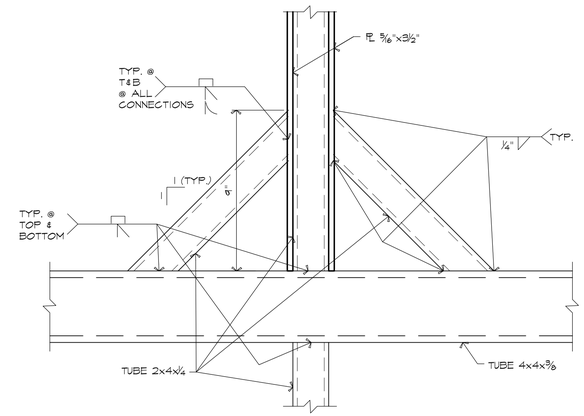
5 SECTION
S1.2 3" = 1'-0"



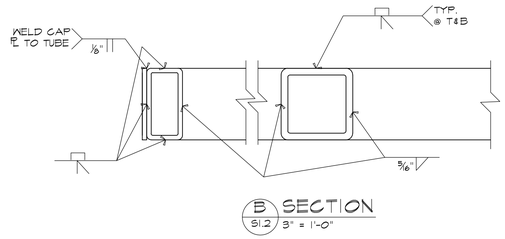
6 SECTION
S1.2 3" = 1'-0"



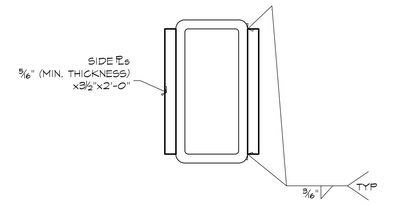
A SECTION
S1.2 3" = 1'-0"



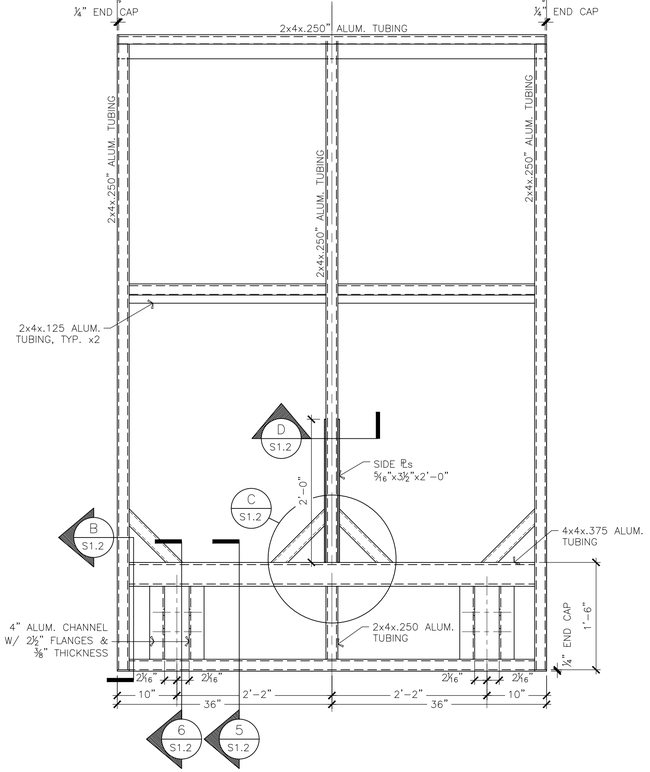
C DETAIL
S1.2 3" = 1'-0"

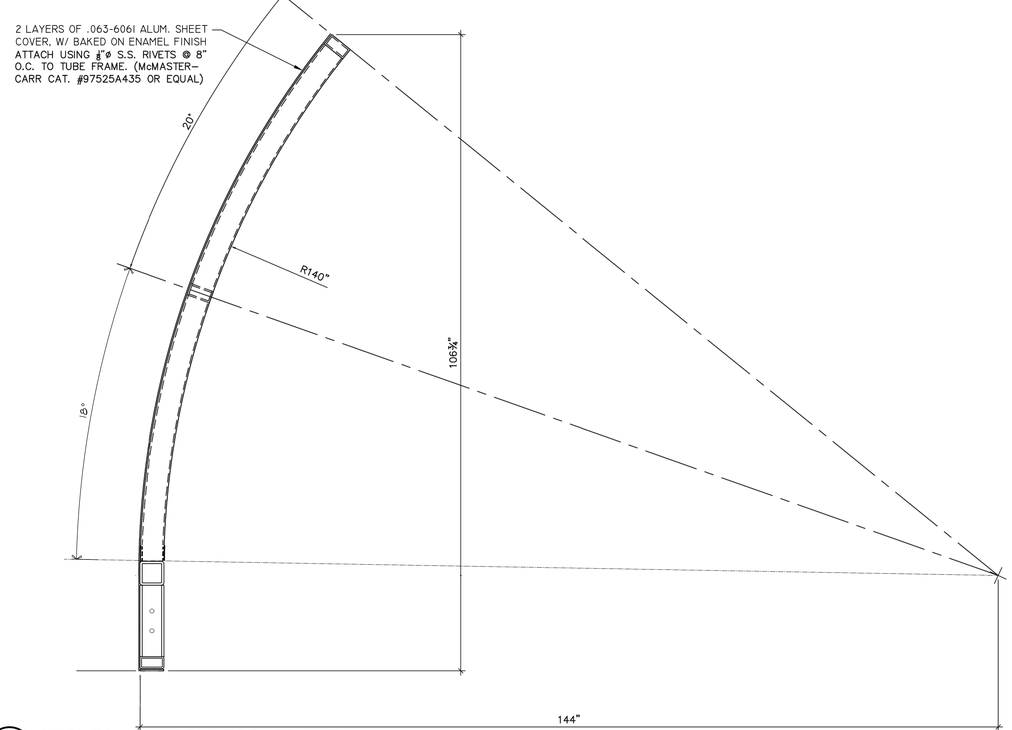


B SECTION
S1.2 3" = 1'-0"



D TUBE REINFORCEMENT DETAIL
S1.2 6" = 1'-0"





7 CURVED CANOPY TOP FRAME
S1.2 SCALE: 1" = 1'-0"
NOTE: ALL WELDED CONSTRUCTION. WELD TO BEST SHOP PRACTICE.

NO.	DATE	REVISION

TSS, Inc.
11450 Stephens Rd
Warren, MI

DRAWN BY: PAN
CHK'D BY: MAC
ISSUE DATE: 6-13-16
PROJ. NO. 2016.06

CURVED CANOPY STRUCTURE - 40 PSF - 2 POSTS

LICENSED ENGINEER IN:
MAINE
NEW HAMPSHIRE
VERMONT
MASSACHUSETTS
NEW YORK
FLORIDA

Lincoln/Haney
Engineering Associates, Inc.
6 Federal Street Brunswick, Maine 04011
Phone: 207-729-1061 Fax: 207-729-2941

S1.2