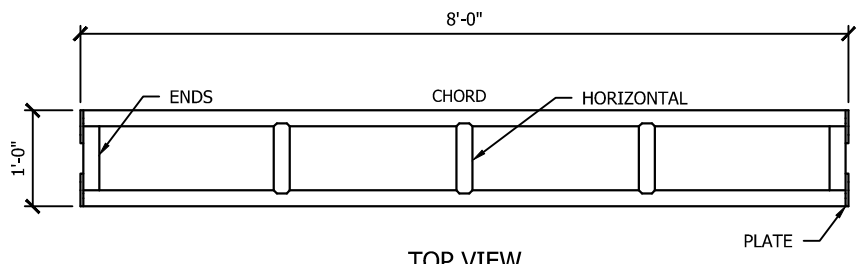
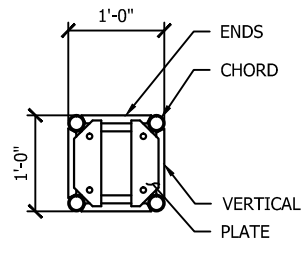


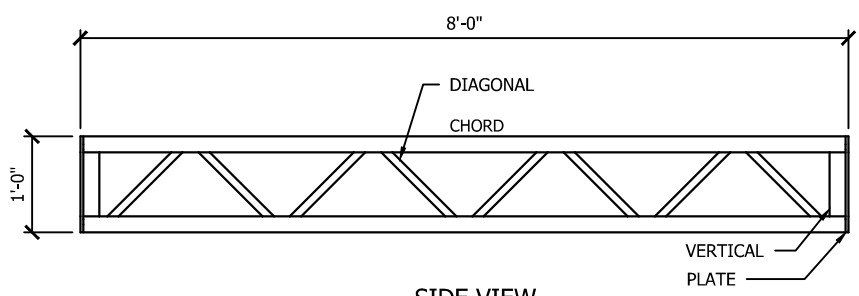
3D VIEW



TOP VIEW



END VIEW



SIDE VIEW

TYLER TRUSS - 12"x12"x8'-0" AV TRUSS

TRUSS SPAN	UNIFORMLY DISTRIBUTED LOAD		CENTER POINT LOAD		THIRD POINT LOAD		QUARTER POINT LOAD		FIFTH POINT LOAD	
	LOAD	DEFLECTION	LOAD	DEFLECTION	LOAD	DEFLECTION	LOAD	DEFLECTION	LOAD	DEFLECTION
8'-0"	805 lb/ft	0.099 in	4,101 lbs	0.101 in	3,076 lbs	0.130 in	2,051 lbs	0.121 in	1,611 lbs	0.119 in
16'-0"	253 lb/ft	0.503 in	2,025 lbs	0.408 in	1,519 lbs	0.521 in	1,013 lbs	0.483 in	844 lbs	0.507 in
24'-0"	110 lb/ft	1.136 in	1,322 lbs	0.926 in	991 lbs	1.176 in	661 lbs	1.093 in	551 lbs	1.145 in
32'-0"	54 lb/ft	1.840 in	961 lbs	1.668 in	620 lbs	1.828 in	449 lbs	1.837 in	356 lbs	1.837 in
40'-0"	26 lb/ft	2.328 in	632 lbs	2.324 in	367 lbs	2.314 in	266 lbs	2.324 in	211 lbs	2.324 in

PARTS LIST

DIAGONALS	1"øx1/8" ROUND TUBE
VERTICALS	RT2x1x1/8
HORIZONTALS	2"øx1/8" ROUND TUBE
CHORDS	2"øx1/8" ROUND TUBE
ENDS	RT2x1x1/8
PLATES	PLATE 3/8"

NOTES:

1. ALL ALUMINUM IS 6005A-T61

TABLE USAGE NOTES:

1. THE TRUSS IS SUPPORTING VERTICAL LOADS ONLY, I.E. THE TRUSS LADDERS ARE ORIENTED VERTICALLY AND NO LATERAL LOADS ARE APPLIED TO THE TRUSS.
2. THE TRUSS IS ANALYZED AS A SIMPLE SPAN BEAM. TRUSS SUPPORT POINTS ARE LOCATED AT TRUSS PANEL POINTS.
3. THE TRUSS WILL BE ANALYZED FOR STATIC LOADS ONLY.
4. ALL LOADS ARE APPLIED AT THE CENTROID OF THE TRUSS BETWEEN THE TWO LADDER TRUSSES BELOW THE TRUSS.
5. ALL LOADS ARE APPLIED AT THE PANEL POINTS OF THE TRUSS AS TO NOT INDUCE LOCAL BENDING STRESSES IN THE CHORDS.
6. SELFWEIGHT HAS BEEN CONSIDERED.
7. MAXIMUM DEFLECTION BASED ON SPAN/180
8. ALLOWABLE LOADS BASED ON 2010 ALUMINUM DESIGN MANUAL) ALL CAPACITIES ARE REDUCED BY 0.85 PER ANSI E1.2-2012 FOR REPETITIVE USE MEMBERS.

TYLER TRUSS

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ENGINEERING
 4828 Business Center Way
 Cincinnati, OH 45246
 513 851 1223

**12"x12" AV TRUSS
 TABLE**

DATE: 01/09/2014

CRE PROJECT NO: 13.413.19

DRAWN BY: SSH / TWL

ST1.2