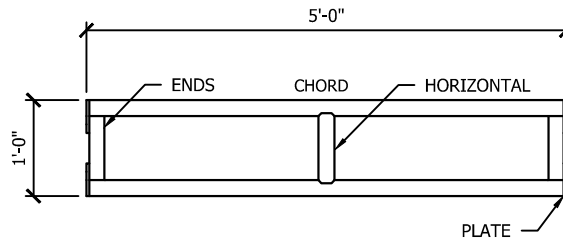
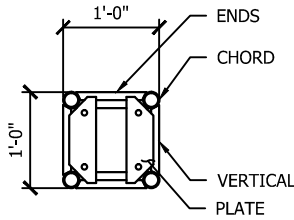


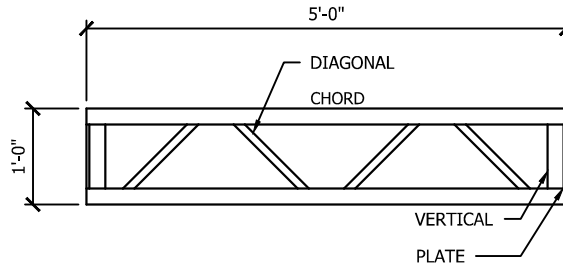
3D VIEW



TOP VIEW



END VIEW



SIDE VIEW

TYLER TRUSS - 12"x12"x5'-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
5'-0"	1,291 lb/ft	0.024 in	6,455 lbs	0.039 in	3,228 lbs	0.033 in	2,152 lbs	0.031 in	1,614 lbs	0.029 in
10'-0"	643 lb/ft	0.193 in	3,273 lbs	0.158 in	2,455 lbs	0.203 in	1,637 lbs	0.188 in	1,364 lbs	0.198 in
15'-0"	289 lb/ft	0.442 in	2,165 lbs	0.358 in	1,623 lbs	0.458 in	1,082 lbs	0.425 in	902 lbs	0.446 in
20'-0"	160 lb/ft	0.788 in	1,605 lbs	0.640 in	1,204 lbs	0.816 in	802 lbs	0.757 in	669 lbs	0.794 in
25'-0"	101 lb/ft	1.234 in	1,265 lbs	1.006 in	948 lbs	1.277 in	632 lbs	1.187 in	527 lbs	1.243 in
30'-0"	66 lb/ft	1.721 in	1,034 lbs	1.460 in	716 lbs	1.710 in	517 lbs	1.716 in	411 lbs	1.718 in
35'-0"	40 lb/ft	2.020 in	867 lbs	2.007 in	506 lbs	2.008 in	366 lbs	2.017 in	291 lbs	2.017 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



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

ST1.1