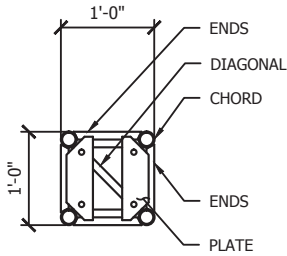
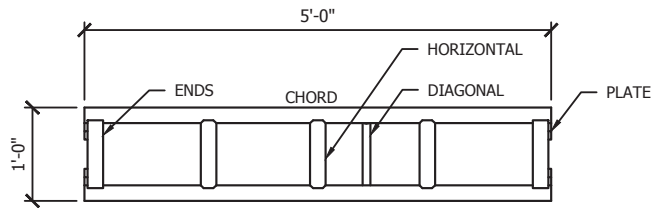


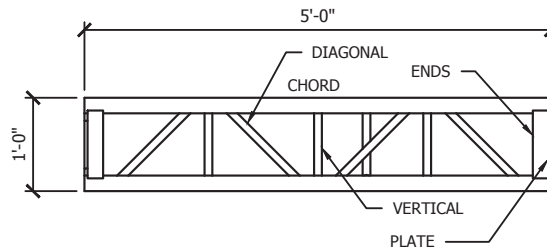
3D VIEW



END VIEW



TOP VIEW



SIDE VIEW

TYLER TRUSS - 12"x12"x60" LIGHT DUTY TRUSS w/ END PLATES									
TRUSS SPAN	UNIFORMLY DISTRIBUTED LOAD		CENTER POINT LOAD		THIRD POINT LOAD		QUARTER POINT LOAD		
	LOAD	DEFLECTION	LOAD	DEFLECTION	LOAD	DEFLECTION	LOAD	DEFLECTION	
5'-0"	884 lb/ft	0.043 in	2,160 lbs	0.038 in	N/A	N/A	1,165 lbs	0.043 in	
10'-0"	352 lb/ft	0.152 in	1,590 lbs	0.118 in	1,190 lbs	0.151 in	875 lbs	0.145 in	
15'-0"	192 lb/ft	0.357 in	1,230 lbs	0.257 in	800 lbs	0.272 in	740 lbs	0.350 in	
20'-0"	114 lb/ft	0.670 in	970 lbs	0.462 in	663 lbs	0.564 in	518 lbs	0.575 in	
25'-0"	70 lb/ft	1.023 in	782 lbs	0.745 in	573 lbs	0.942 in	420 lbs	0.949 in	
30'-0"	45 lb/ft	1.482 in	637 lbs	1.117 in	459 lbs	1.199 in	331 lbs	1.377 in	
35'-0"	29 lb/ft	1.983 in	510 lbs	1.563 in	386 lbs	1.983 in	259 lbs	1.889 in	
40'-0"	17 lb/ft	2.264 in	403 lbs	2.111 in	246 lbs	2.248 in	178 lbs	2.250 in	

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 9) ALL CAPACITIES ARE REDUCED BY 0.85 PER ANSI E1.2-2012 FOR REPETITIVE USE MEMBERS.

PARTS LIST

DIAGONALS	1"φx1/8" TUBE
VERTICALS	1"φx1/8" TUBE
HORIZONTALS	2"φx1/8" TUBE
CHORDS	2"φx1/8" TUBE
ENDS	RT2x1x1/8"
PLATES	PLATE 3/8"

NOTES:

1. ALL ALUMINUM IS 6005A-T61

12"x12" LIGHT DUTY TRUSS



4828 Business Center Way
Cincinnati, OH 45246
513 851 1223

TRUSS TABLE

DATE: 04/01/2014
CRE PROJECT NO: 13.413.18
DRAWN BY: JMR / TWL

ST1.6