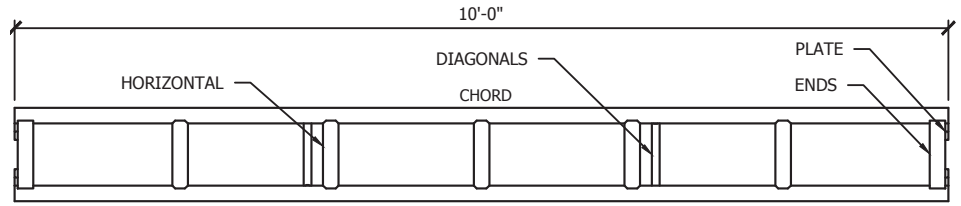
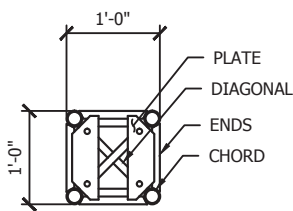


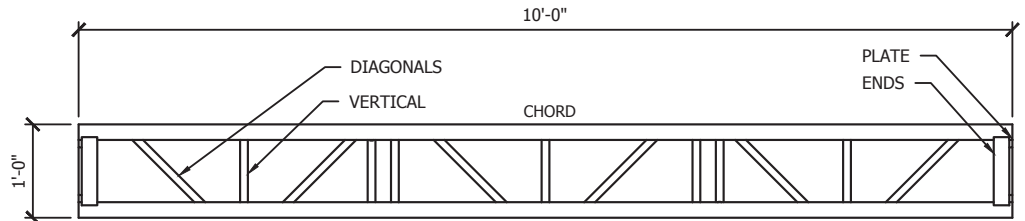
3D VIEW



TOP VIEW



END VIEW



SIDE VIEW

TYLER TRUSS - 12"x12"x120" 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
10'-0"	247 lb/ft	0.079 in	1,360 lbs	0.079 in	765 lbs	0.076 in	680 lbs	0.093 in
20'-0"	78 lb/ft	0.462 in	741 lbs	0.360 in	383 lbs	0.300 in	357 lbs	0.408 in
30'-0"	43 lb/ft	1.352 in	665 lbs	1.130 in	371 lbs	1.090 in	333 lbs	1.330 in
40'-0"	21 lb/ft	2.290 in	316 lbs	1.520 in	269 lbs	2.040 in	170 lbs	1.840 in

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

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 REPETIVE USE MEMBERS.

12"x12" LIGHT DUTY TRUSS

CLARK REDER
ENGINEERING
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

ST1.2