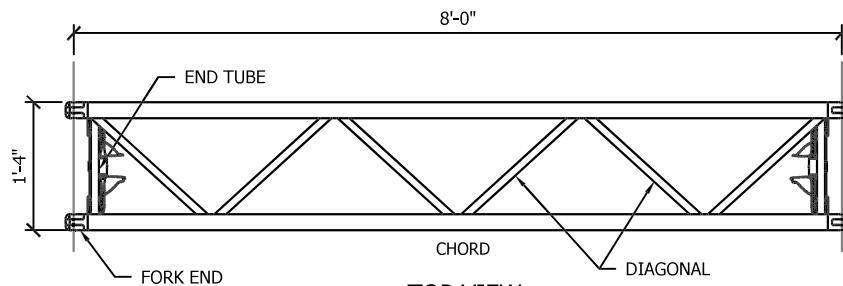
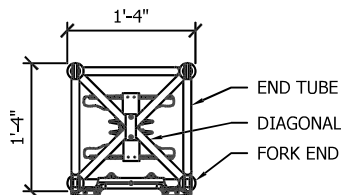


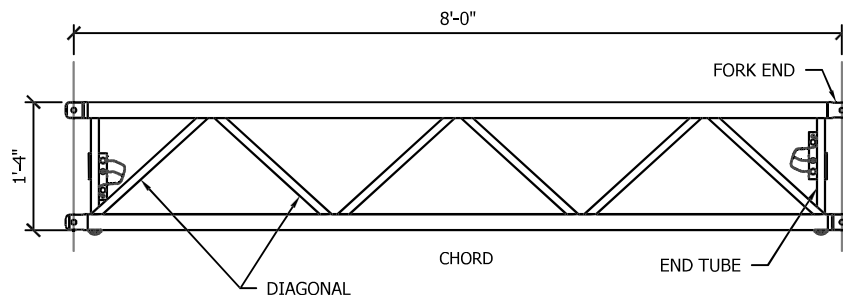
3D VIEW



TOP VIEW



END VIEW



SIDE VIEW

CHRISTIE LITES B-TYPE TRUSS TABLE

TRUSS SPAN	UNIFORMLY DISTRIBUTED LOAD			CENTER POINT LOAD		THIRD POINT LOAD		QUARTER POINT LOAD	
	LOAD	TOTAL LOAD	DEFLECTION	LOAD	DEFLECTION	LOAD	DEFLECTION	LOAD	DEFLECTION
8'-0"	874 lb/ft	6,992 lbs	0.055 in	5,851 lbs	0.074 in	3,496 lbs	0.076 in	2,926 lbs	0.088 in
16'-0"	361 lb/ft	5,776 lbs	0.369 in	2,886 lbs	0.299 in	2,165 lbs	0.383 in	1,443 lbs	0.355 in
24'-0"	157 lb/ft	3,768 lbs	0.835 in	1,880 lbs	0.681 in	1,410 lbs	0.864 in	940 lbs	0.803 in
32'-0"	85 lb/ft	2,720 lbs	1.492 in	1,364 lbs	1.227 in	1,023 lbs	1.542 in	682 lbs	1.437 in
40'-0"	52 lb/ft	2,080 lbs	2.347 in	1,044 lbs	1.952 in	783 lbs	2.423 in	522 lbs	2.266 in
48'-0"	32 lb/ft	1,536 lbs	3.205 in	822 lbs	2.871 in	547 lbs	3.186 in	336 lbs	2.814 in

PARTS LIST

DIAGONALS	1" ϕ x $\frac{1}{8}$ " TUBE
CHORDS	2" ϕ x $\frac{1}{8}$ " TUBE
END TUBE	1" ϕ x $\frac{1}{8}$ " TUBE
FORK ENDS	ALUMINUM

NOTES:

- ALL ALUMINUM IS 6082-T6 OR 6061-T6
- ALL WELD FILLER IS 4043

TABLE USAGE NOTES:

- THE TRUSS IS SUPPORTING VERTICAL LOADS ONLY, I.E. THE TRUSS LADDERS ARE ORIENTED VERTICALLY AND NO LATERAL LOADS ARE APPLIED TO THE TRUSS.
- THE TRUSS WAS ANALYZED AS A SIMPLE SPAN BEAM WITH SUPPORTS AT TRUSS ENDS ONLY.
- THE TRUSS HAS BEEN ANALYZED FOR STATIC LOADS ONLY.
- ALL LOADS ARE APPLIED CENTERED BETWEEN THE LADDERS.
- ALL LOADS AND SUPPORTS ARE TO BE LOCATED AT THE PANEL POINTS OF THE TRUSS ONLY.
- SELF WEIGHT HAS BEEN CONSIDERED IN THE ANALYSIS OF THE TRUSS.
- MAXIMUM DEFLECTION LIMITED TO SPAN/180.
- ALLOWABLE LOADS BASED ON 2020 ALUMINUM DESIGN MANUAL. ALL CAPACITIES ARE REDUCED TO 0.85 PER ANSI E1.2-2020 FOR REPETITIVE USE MEMBERS

**CHRISTIE LITES
B-TYPE TRUSS**
REPETITIVE USE

CLARK REDER
ENGINEERING
10091 Mosteller Lane
Cincinnati, OH 45069
513 851 1223

TRUSS TABLE

DATE: 6/23/2022

CRE PROJECT NO: 22.915.01

DRAWN BY: DBG/DDL

ST1.2