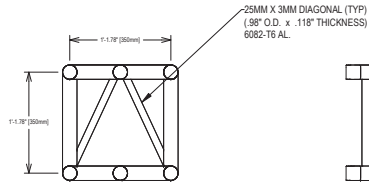
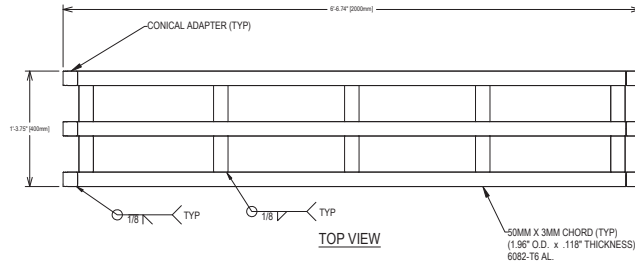


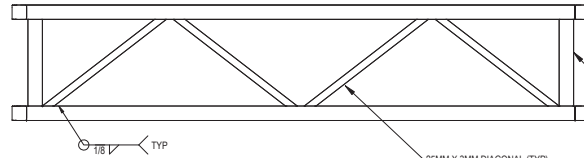
ISOMETRIC - TYPICAL DT-46 TRUSS
N.T.S.



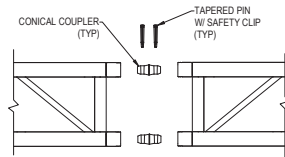
END ELEVATION



TOP VIEW



SIDE VIEW

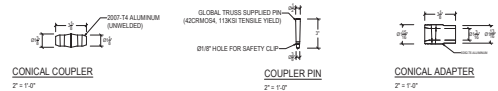


TRUSS TO TRUSS CONNECTION
1-1/2" = 1'-0"

TYPICAL DT-46 TRUSS

1-1/2" = 1'-0"

NOTES:
GENERAL CONSTRUCTION SHOWN ONLY. LENGTH OF INDIVIDUAL TRUSS UNITS USED IN CONSTRUCTION WILL VARY
SEE MANUFACTURERS WEBSITE FOR ADDITIONAL INFORMATION ON AVAILABLE LENGTHS. TRUSS IS FABRICATED USING METRIC UNITS. DO NOT USE THESE DRAWINGS FOR FABRICATION OR REPAIR. DRAWINGS ARE FOR GENERAL DESCRIPTION AND ALLOWABLE LOADING ONLY.



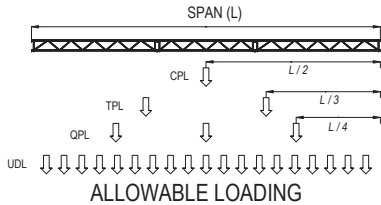
GENERAL NOTES

REFERENCED CODES

- 2018 INTERNATIONAL BUILDING CODE
- ANSI E1.21 2020 'ENTERTAINMENT TECHNOLOGY - DESIGN, MANUFACTURE AND USE OF ALUMINUM TRUSSES AND TOWERS'
- ADM 2015 'SPECIFICATION FOR ALUMINUM STRUCTURES'
- AISC 360-16 'SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS'

ALUMINUM TRUSS

- FABRICATION AND ERECTION OF STRUCTURAL ALUMINUM SHALL CONFORM TO THE ALUMINUM DESIGN MANUAL - 2015
- STRUCTURAL ALUMINUM SHALL BE ALLOY 6062-T6 (U.N.O.)
- ALL WELD FILLER SHALL BE 5558 (U.N.O.)
- ALL WELDING MUST CONFORM TO AWS D12
- TAPERED PINS SUPPLIED BY GLOBAL TRUSS MUST BE USED IN INSTALLATION
- WHERE THE CONTACT OF DISSIMILAR METALS MAY CAUSE CORROSION, THE CONTACT SURFACE OF EITHER METAL MUST BE PROPERLY COATED TO PREVENT THE EFFECT.



ALLOWABLE LOADING

NOTES:

- ALL LOADS MUST BE ATTACHED TO TRUSS PANEL POINTS
- BRIDLES ARE NOT PERMITTED UNLESS APPROVED IN WRITING BY A LICENSED STRUCTURAL ENGINEER.
- SELF WEIGHT OF THE TRUSS HAS BEEN INCLUDED IN THE ALLOWABLE LOADING TABLES. NO REDUCTION IS REQUIRED TO ACCOUNT FOR THE TRUSS ITSELF.
- NO SHOCK OR DYNAMIC FORCES HAVE BEEN INCLUDED IN THE ALLOWABLE LOADING.
- UNIFORMLY DISTRIBUTED LOADS APPLY ONLY TO LOADS EVENLY DISTRIBUTED ACROSS THE ENTIRE SPAN
- LOADS SEEN IN THE TABLE ARE NOT ADDITIVE.
- THE ALLOWABLE LOADING TABLES HAVE BEEN PROVIDED FOR GENERAL REFERENCE ONLY AND ALL RIGGING PLOTS SHOULD BE REVIEWED BY A LICENSED STRUCTURAL ENGINEER.

GLOBAL TRUSS DT44P LOAD SPAN TABLE									
Limited based on Strength and L/190 Deflections									
TRUSS SPAN	UNIFORMLY DISTRIBUTED LOAD (UDL)		CENTER POINT LOAD (CPL)		THIRD POINT LOADS (TPL)		QUARTER POINT LOADS (QPL)		DEFLECTION IN
	LOAD (PL)	DEFLECTION IN	LOAD (LBS)	DEFLECTION IN	LOAD (LBS)	DEFLECTION IN	LOAD (LBS)	DEFLECTION IN	
2	8.96	990	0.55	3800	0.59	1900	0.56	1200	0.57
2.5	8.2	911	0.58	3725	0.15	1775	0.11	1190	0.11
3	9.84	433	0.12	3600	0.20	1750	0.16	1175	0.15
3.5	11.48	354	0.15	3575	0.26	1725	0.21	1165	0.19
4	13.12	275	0.19	3500	0.31	1700	0.26	1150	0.23
4.5	14.76	251	0.27	3375	0.41	1600	0.35	1140	0.32
5	16.41	228	0.34	3300	0.51	1675	0.46	1125	0.41
5.5	18.05	204	0.42	3125	0.60	1600	0.54	1115	0.50
6	19.69	180	0.50	3000	0.70	1600	0.63	1100	0.59
6.5	21.33	166	0.63	2940	0.82	1615	0.78	1090	0.75
7	22.97	153	0.76	2875	0.95	1675	0.93	1075	0.92
7.5	24.61	139	0.89	2815	1.07	1640	1.07	1065	1.08
8	26.25	125	1.02	2760	1.19	1600	1.22	1050	1.24
8.5	27.89	119	1.25	2700	1.32	1415	1.39	1000	1.41
9	29.53	113	1.47	2650	1.45	1325	1.56	950	1.59
9.5	31.17	106	1.70	1900	1.57	1240	1.72	900	1.76
10	32.81	100	1.93	1750	1.70	1150	1.89	850	1.93
10.5	34.45	93	2.16	1600	1.86	1115	2.11	815	2.13
11	36.09	87	2.38	1625	2.11	1025	2.34	775	2.33
11.5	37.73	79	2.45	1655	2.31	1040	2.56	740	2.53
12	39.37	66	2.63	1500	2.51	950	2.63	670	2.63

GLOBAL TRUSS DT44P LOAD SPAN TABLE									
Limited based on Strength Only (No Deflection Limits)									
TRUSS SPAN	UNIFORMLY DISTRIBUTED LOAD (UDL)		CENTER POINT LOAD (CPL)		THIRD POINT LOADS (TPL)		QUARTER POINT LOADS (QPL)		DEFLECTION IN
	LOAD (PL)	DEFLECTION IN	LOAD (LBS)	DEFLECTION IN	LOAD (LBS)	DEFLECTION IN	LOAD (LBS)	DEFLECTION IN	
2	8.96	990	0.55	3800	0.59	1900	0.56	1200	0.57
2.5	8.2	911	0.58	3725	0.15	1775	0.11	1190	0.11
3	9.84	433	0.12	3600	0.20	1750	0.16	1175	0.15
3.5	11.48	354	0.15	3575	0.26	1725	0.21	1165	0.19
4	13.12	275	0.19	3500	0.31	1700	0.26	1150	0.23
4.5	14.76	251	0.27	3375	0.41	1600	0.35	1140	0.32
5	16.41	228	0.34	3300	0.51	1675	0.46	1125	0.41
5.5	18.05	204	0.42	3125	0.60	1600	0.54	1115	0.50
6	19.69	180	0.50	3000	0.70	1600	0.63	1100	0.59
6.5	21.33	166	0.63	2940	0.82	1615	0.78	1090	0.75
7	22.97	153	0.76	2875	0.95	1675	0.93	1075	0.92
7.5	24.61	139	0.89	2815	1.07	1640	1.07	1065	1.08
8	26.25	125	1.02	2760	1.19	1600	1.22	1050	1.24
8.5	27.89	119	1.25	2700	1.32	1415	1.39	1000	1.41
9	29.53	113	1.47	2650	1.45	1325	1.56	950	1.59
9.5	31.17	106	1.70	1900	1.57	1240	1.72	900	1.76
10	32.81	100	1.93	1750	1.70	1150	1.89	850	1.93
10.5	34.45	93	2.16	1600	1.86	1115	2.11	815	2.13
11	36.09	87	2.37	1625	2.11	1025	2.34	775	2.33
11.5	37.73	79	2.50	1655	2.31	1040	2.56	740	2.53
12	39.37	70	2.61	1500	2.51	950	2.78	700	2.73

GLOBAL TRUSS DT44P LOAD SPAN TABLE									
Limited based on Strength and Reduced per ANSI E1.21									
TRUSS SPAN	UNIFORMLY DISTRIBUTED LOAD (UDL)		CENTER POINT LOAD (CPL)		THIRD POINT LOADS (TPL)		QUARTER POINT LOADS (QPL)		DEFLECTION IN
	LOAD (PL)	DEFLECTION IN	LOAD (LBS)	DEFLECTION IN	LOAD (LBS)	DEFLECTION IN	LOAD (LBS)	DEFLECTION IN	
2	8.96	990	0.54	3200	0.58	1510	0.56	1020	0.56
2.5	8.2	435	0.57	3165	0.12	1510	0.09	1010	0.09
3	9.84	368	0.15	3105	0.17	1490	0.14	1000	0.13
3.5	11.48	301	0.13	3040	0.22	1465	0.18	990	0.16
4	13.12	234	0.16	2975	0.26	1445	0.22	980	0.20
4.5	14.76	214	0.23	2870	0.35	1435	0.30	970	0.27
5	16.41	193	0.29	2765	0.43	1425	0.38	955	0.35
5.5	18.05	173	0.36	2655	0.51	1415	0.46	945	0.43
6	19.69	153	0.43	2550	0.60	1400	0.54	935	0.50
6.5	21.33	141	0.54	2445	0.70	1370	0.66	925	0.64
7	22.97	130	0.60	2375	0.80	1340	0.79	910	0.78
7.5	24.61	118	0.76	2315	0.91	1310	0.91	905	0.92
8	26.25	108	0.87	2200	1.01	1275	1.04	895	1.05
8.5	27.89	101	1.06	1870	1.12	1230	1.18	860	1.20
9	29.53	96	1.25	1745	1.23	1125	1.32	810	1.35
9.5	31.17	90	1.44	1615	1.34	1050	1.46	765	1.49
10	32.81	86	1.64	1460	1.46	960	1.61	725	1.64
10.5	34.45	79	1.82	1455	1.62	945	1.80	690	1.81
11	36.09	72	2.00	1380	1.79	915	1.98	660	1.98
11.5	37.73	66	2.20	1300	1.96	860	2.17	630	2.15
12	39.37	60	2.38	1215	2.13	800	2.36	590	2.32

DT-46 Truss Load Span Tables

Event/Venue Name and Address

General Use

Project Name

Sheet Name

Project No. 21.104.07
Date 06/16/2021

Sheet S1.0

REV	DESCRIPTION
REV A	

ISSUE/REVISIONS