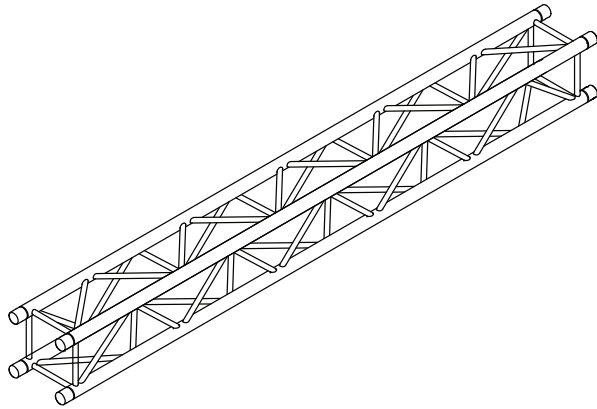
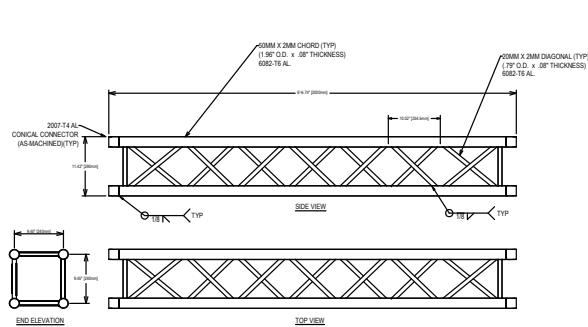




F34 TRUSS ISOMETRIC

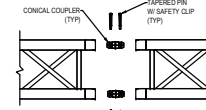
N.T.S



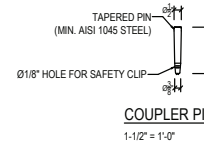
TYPICAL F34 TRUSS

NOTES:

- GENERAL CONSTRUCTION SHOWN ONLY. LENGTH OF INDIVIDUAL TRUSS UNITS USED IN CONSTRUCTION WILL VARY.
- SEE MANUFACTURER'S WEBSITE FOR ADDITIONAL INFORMATION ON AVAILABLE LENGTHS.
- TRUSS IS FABRICATED USING METRIC UNITS. DIMENSIONS ON THESE DRAWINGS ARE ROUNDED TO THE NEAREST 1/16\"/>



TYPICAL TRUSS TO TRUSS CONNECTION



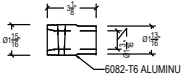
COUPLER PIN

1-1/2\"/>



CONICAL COUPLER

1-1/2\"/>



CONICAL ADAPTER

1-1/2\"/>

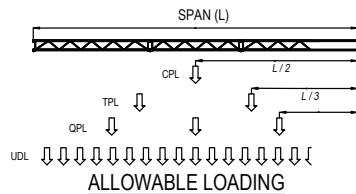
GENERAL NOTES

REFERENCED CODES AND STANDARDS

- 2024 INTERNATIONAL BUILDING CODE
- 2025 CALIFORNIA BUILDING CODE
- ANSI E1.2 2021 'ENTERTAINMENT TECHNOLOGY - DESIGN, MANUFACTURE AND USE OF ALUMINUM TRUSSES AND TOWERS'
- ADM 2020 'SPECIFICATION FOR ALUMINUM STRUCTURES'
- A360-16 'SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS'

ALUMINUM

- FABRICATION AND ERECTION OF STRUCTURAL ALUMINUM SHALL CONFORM TO THE ALUMINUM DESIGN MANUAL - 2015
- STRUCTURAL ALUMINUM SHALL BE ALLOY 6082-T6 (U.N.O.)
- ALL WELD FILLER SHALL BE 5356 (U.N.O.)
- ALL WELDING MUST CONFORM TO AWS D1.2
- 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 EFFECT.



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 F34 LOAD SPAN TABLE									
Limited based on Strength and L/180 Deflection Limits									
TRUSS SPAN		UNIFORM DISTRIBUTED LOAD (UDL)		CENTER POINT LOAD (CPL)		THIRD POINT LOADS (TPL)		QUARTER POINT LOADS (QPL)	
METERS	FEET	LOAD (kN)	LOAD (kN)	LOAD (kN)	LOAD (kN)	LOAD (kN)	LOAD (kN)	LOAD (kN)	FEET
2	6.56	200	610	2000	610	1000	1010	500	6.56
3	9.84	300	915	3000	915	1500	1515	750	9.84
5	16.40	500	1525	5000	1525	2500	2525	1250	16.40
7	22.97	700	2140	7000	2140	3500	3520	1750	22.97
9	29.53	900	2755	9000	2755	4500	4525	2250	29.53
11	36.09	1100	3370	11000	3370	5500	5525	2750	36.09
13	42.65	1300	3985	13000	3985	6500	6525	3250	42.65
15	49.21	1500	4600	15000	4600	7500	7525	3750	49.21
17	55.77	1700	5215	17000	5215	8500	8525	4250	55.77
19	62.33	1900	5830	19000	5830	9500	9525	4750	62.33
21	68.89	2100	6445	21000	6445	10500	10525	5250	68.89
23	75.45	2300	7060	23000	7060	11500	11525	5750	75.45
25	82.01	2500	7675	25000	7675	12500	12525	6250	82.01
27	88.57	2700	8290	27000	8290	13500	13525	6750	88.57
29	95.13	2900	8905	29000	8905	14500	14525	7250	95.13
31	101.69	3100	9520	31000	9520	15500	15525	7750	101.69
33	108.25	3300	10135	33000	10135	16500	16525	8250	108.25
35	114.81	3500	10750	35000	10750	17500	17525	8750	114.81
37	121.37	3700	11365	37000	11365	18500	18525	9250	121.37
39	127.93	3900	11980	39000	11980	19500	19525	9750	127.93
41	134.49	4100	12595	41000	12595	20500	20525	10250	134.49
43	141.05	4300	13210	43000	13210	21500	21525	10750	141.05
45	147.61	4500	13825	45000	13825	22500	22525	11250	147.61
47	154.17	4700	14440	47000	14440	23500	23525	11750	154.17
49	160.73	4900	15055	49000	15055	24500	24525	12250	160.73
51	167.29	5100	15670	51000	15670	25500	25525	12750	167.29
53	173.85	5300	16285	53000	16285	26500	26525	13250	173.85
55	180.41	5500	16900	55000	16900	27500	27525	13750	180.41
57	186.97	5700	17515	57000	17515	28500	28525	14250	186.97
59	193.53	5900	18130	59000	18130	29500	29525	14750	193.53
61	200.09	6100	18745	61000	18745	30500	30525	15250	200.09
63	206.65	6300	19360	63000	19360	31500	31525	15750	206.65
65	213.21	6500	19975	65000	19975	32500	32525	16250	213.21
67	219.77	6700	20590	67000	20590	33500	33525	16750	219.77
69	226.33	6900	21205	69000	21205	34500	34525	17250	226.33
71	232.89	7100	21820	71000	21820	35500	35525	17750	232.89
73	239.45	7300	22435	73000	22435	36500	36525	18250	239.45
75	246.01	7500	23050	75000	23050	37500	37525	18750	246.01
77	252.57	7700	23665	77000	23665	38500	38525	19250	252.57
79	259.13	7900	24280	79000	24280	39500	39525	19750	259.13
81	265.69	8100	24895	81000	24895	40500	40525	20250	265.69
83	272.25	8300	25510	83000	25510	41500	41525	20750	272.25
85	278.81	8500	26125	85000	26125	42500	42525	21250	278.81
87	285.37	8700	26740	87000	26740	43500	43525	21750	285.37
89	291.93	8900	27355	89000	27355	44500	44525	22250	291.93
91	298.49	9100	27970	91000	27970	45500	45525	22750	298.49
93	305.05	9300	28585	93000	28585	46500	46525	23250	305.05
95	311.61	9500	29200	95000	29200	47500	47525	23750	311.61
97	318.17	9700	29815	97000	29815	48500	48525	24250	318.17
99	324.73	9900	30430	99000	30430	49500	49525	24750	324.73
101	331.29	10100	31045	101000	31045	50500	50525	25250	331.29
103	337.85	10300	31660	103000	31660	51500	51525	25750	337.85
105	344.41	10500	32275	105000	32275	52500	52525	26250	344.41
107	350.97	10700	32890	107000	32890	53500	53525	26750	350.97
109	357.53	10900	33505	109000	33505	54500	54525	27250	357.53
111	364.09	11100	34120	111000	34120	55500	55525	27750	364.09
113	370.65	11300	34735	113000	34735	56500	56525	28250	370.65
115	377.21	11500	35350	115000	35350	57500	57525	28750	377.21
117	383.77	11700	35965	117000	35965	58500	58525	29250	383.77
119	390.33	11900	36580	119000	36580	59500	59525	29750	390.33
121	396.89	12100	37195	121000	37195	60500	60525	30250	396.89
123	403.45	12300	37810	123000	37810	61500	61525	30750	403.45
125	409.99	12500	38425	125000	38425	62500	62525	31250	409.99
127	416.55	12700	39040	127000	39040	63500	63525	31750	416.55
129	423.11	12900	39655	129000	39655	64500	64525	32250	423.11
131	429.67	13100	40270	131000	40270	65500	65525	32750	429.67
133	436.23	13300	40885	133000	40885	66500	66525	33250	436.23
135	442.79	13500	41500	135000	41500	67500	67525	33750	442.79
137	449.35	13700	42115	137000	42115	68500	68525	34250	449.35
139	455.91	13900	42730	139000	42730	69500	69525	34750	455.91
141	462.47	14100	43345	141000	43345	70500	70525	35250	462.47
143	469.03	14300	43960	143000	43960	71500	71525	35750	469.03
145	475.59	14500	44575	145000	44575	72500	72525	36250	475.59
147	482.15	14700	45190	147000	45190	73500	73525	36750	482.15
149	488.71	14900	45805	149000	45805	74500	74525	37250	488.71
151	495.27	15100	46420	151000	46420	75500	75525	37750	495.27
153	501.83	15300	47035	153000	47035	76500	76525	38250	501.83
155	508.39	15500	47650	155000	47650	77500	77525	38750	508.39
157	514.95	15700	48265	157000	48265	78500	78525	39250	514.95
159	521.51	15900	48880	159000	48880	79500	79525	39750	521.51
161	528.07	16100	49495	161000	49495	80500	80525	40250	528.07
163	534.63	16300	50110	163000	50110	81500	81525	40750	534.63
165	541.19	16500	50725	165000	50725	82500	82525	41250	541.19
167	547.75	16700	51340	167000	51340	83500	83525	41750	547.75
169	554.31	16900	51955	169000	51955	84500	84525	42250	554.31
171	560.87	17100	52570	171000	52570	85500	85525	42750	560.87
173	567.43	17300	53185	173000	53185	86500	86525	43250	567.43
175	573.99	17500	53800	175000	53800	87500	87525	43750	573.99
177	580.55	17700	54415	177000	54415	88500	88525	44250	580.55
179	587.11	17900	55030	179000	55030	89500	89525	44750	587.11
181	593.67	18100	55645	181000	55645	90500	90525	45250	593.67
183	600.23	18300	56260	183000	56260	91500	91525	45750	600.23
185	606.79	18500	56875	185000	56875	92500	92525	46250	606.79
187	613.35	18700	57490	187000	57490	93500	93525	46750	613.35
189	619.91	18900	58105	189000	58105	94500	94525	47250	619.91
191	626.47	19100	58720	191000	58720	95500	95525	47750	626.47
193	633.03	19300	59335	193000	59335	96500	96525	48250	633.03
195	639.59	19500	59950	195000	59950	97500	97525	48750	639.59
197	646.15	19700	60565	197000	60565	98500	98525	49250	646.15
199	652.71	19900	61180	199000	61180				