MARTINEZ TRUSS CO., INC.

9280 NW SOUTH RIVER DR. - MEDLEY, FL 33166
Office: (305)883-6261
Fax: (305)885-2925
info@MartinezTruss.com

Order #: 23081008

Customer Information

Name:
SOL-ARCH, INC.

Address:
9485 SUNSET DRIVE A292

City, State, Zip:
Miami, FL 33173

Job Information

Name:
5900 RES.

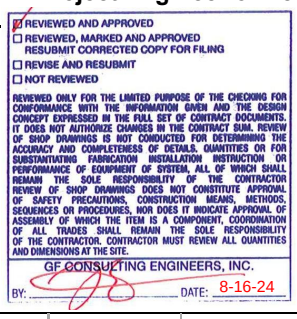
Address:
5900 S.W. 114 TER.

City, State, Zip:
Pinecrest, FL 33156

Building Code: FBC 8th Ed. 2023

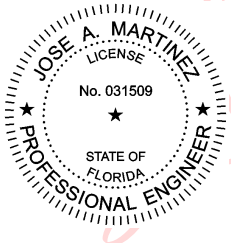
Roof Loading:	***Wind Loading:***
TC LL: 30 psf	Wind Standard: ASCE 7-22
TC DL: 15 psf	Wind Speed: 175
BC LL: 0 psf	WindLoadType: MWFRS & C&C
BC DL: 10 psf	Wind Usage: Residential - CAT II

Project Engineer of Record



This cover sheet provided as per Florida Statute 61G15-31.003 in lieu of aigning and sealing each individual sheet. An Index sheet of truss sesigns is attached which is numbered and with the indentification and date of each drawing.

Engineer of Truss Design Package
JOSE MARTINEZ
FL Reg. Eng. No 031509
24 EAST 5th St. #1D
HIALEAH, FL 33010



Digitally signed by JOSE A MARTINEZ
Date: 2024.08.19 11:08:06 -04'00'

#	SEQN	Item Desc	Date
1	136770	1T	7/25/2024
2	136773	1H20	7/25/2024
3	136674	1H18	7/25/2024
4	136753	1H16	7/25/2024
5	136738	1H15	7/25/2024
6	136727	1TH14	7/25/2024
7	136741	1TH14A	7/25/2024
8	136724	1TH12	7/25/2024
9	136744	1TH12A	7/25/2024
10	136695	1TH10	7/25/2024
11	136747	1TH10A	7/25/2024
12	136701	1TH10B	7/25/2024
13	136692	1TH8	7/25/2024
14	139968	1THG8	7/25/2024
15	139971	1THG8A	7/25/2024
16	136683	1TH6	7/25/2024
17	201692	1THG4	7/25/2024
18	136835	2T	7/25/2024
19	136826	2H18	7/25/2024
20	140016	2HG17	7/25/2024
21	136808	2H16	7/25/2024
22	136829	2H16A	7/25/2024
23	136798	2H14	7/25/2024
24	136832	2H14A	7/25/2024
25	136788	2H12	7/25/2024
26	136795	2H12A	7/25/2024
27	136782	2H10	7/25/2024
28	139974	2MHG10	7/25/2024
29	140013	2HG8	7/25/2024
30	201396	3TG	7/25/2024
31	136855	3T	7/25/2024
32	136847	3TA	7/25/2024
33	136858	3TB	7/25/2024
34	136864	3TC	7/25/2024
35	136844	3H16	7/25/2024
36	140010	3HG14	7/25/2024
37	136879	4T	7/25/2024
38	136882	4TA	7/25/2024
39	136873	4H14	7/25/2024
40	136870	4H12	7/25/2024
41	136867	4H10	7/25/2024
42	140007	4HG8	7/25/2024
43	201206	5H12	7/25/2024
44	201197	5H10	7/25/2024
45	140004	5HG8	7/25/2024
46	201166	5TH6	7/25/2024
47	201172	5TH6A	7/25/2024
48	139998	5THG4	7/25/2024
49	140001	5THG4A	7/25/2024
50	139995	5THG4B	7/25/2024
51	201643	6T	7/25/2024
52	201649	6TA	7/25/2024
53	201655	6TB	7/25/2024
54	139977	6MHG	7/25/2024
55	201683	7T	7/25/2024
56	201680	7H12	7/25/2024
57	201677	7H10	7/25/2024
58	139980	7HG8	7/25/2024
59	139983	7MHG	7/25/2024
60	201269	8T	7/25/2024
61	201272	8H10	7/25/2024
62	201275	8H10A	7/25/2024
63	139986	8HG8	7/25/2024
64	139989	8MHG8	7/25/2024
65	201235	9M	7/25/2024
66	201238	9MA	7/25/2024
67	201241	9MH14	7/25/2024
68	201244	9MH14A	7/25/2024
69	201247	9MH12	7/25/2024
70	201250	9MH12A	7/25/2024
71	201253	9MH10	7/25/2024
72	139992	9MHG8	7/25/2024
73	200902	1FRT	7/25/2024
74	139944	CJ10	7/25/2024
75	139947	CJ8	7/25/2024
76	139950	CJ8A	7/25/2024
77	139953	CJ8P	7/25/2024
78	139956	CJ8AP	7/25/2024

Order #: 23081008

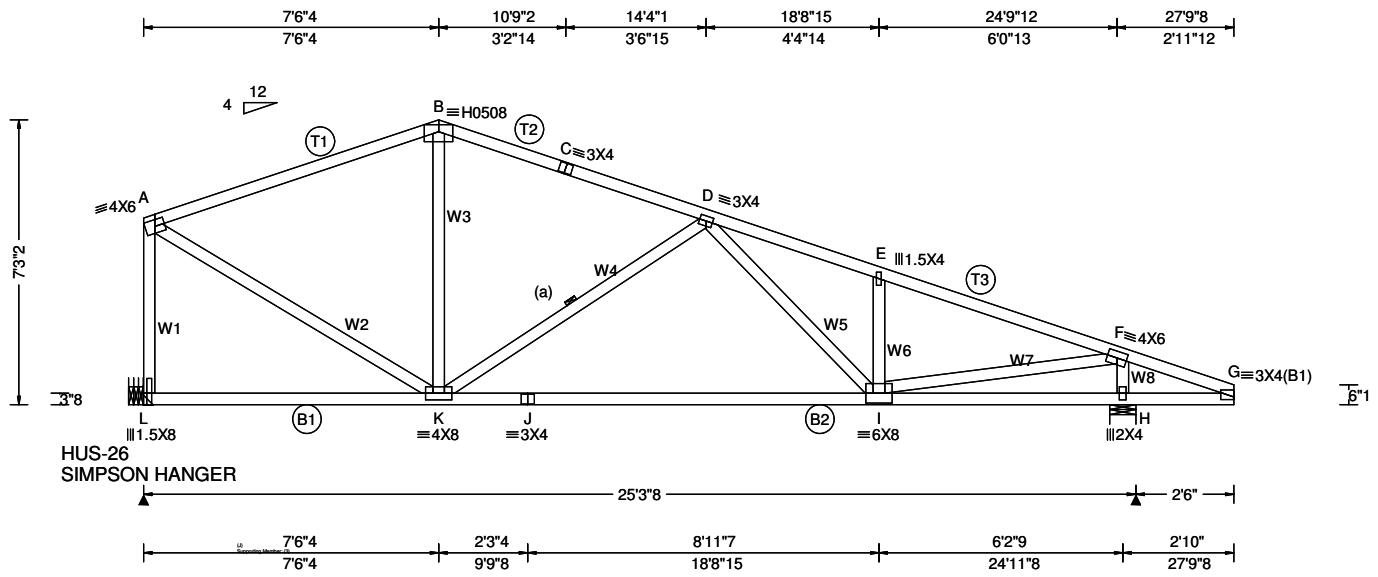
INDEX SHEET

#	SEQN	Item Desc	Date
79	139959	CJ6	7/25/2024
80	139962	CJ6A	7/25/2024
81	139965	CJ6B	7/25/2024
82	200908	J10	7/25/2024
83	200911	JB8	7/25/2024
84	200914	J8	7/25/2024
85	200917	J8P	7/25/2024
86	200920	J8AP	7/25/2024
87	201512	J8G	7/25/2024
88	201517	J8GA	7/25/2024
89	201261	J8GB	7/25/2024
90	200923	JB6	7/25/2024
91	200935	JB6A	7/25/2024
92	200947	JB6B	7/25/2024
93	200955	JB6P	7/25/2024
94	200960	JB6AP	7/25/2024
95	200963	JB4	7/25/2024
96	200966	JB4A	7/25/2024
97	200984	JB4B	7/25/2024
98	200987	JB4P	7/25/2024
99	200990	JB4AP	7/25/2024
100	200998	JB2	7/25/2024
101	201007	JB2A	7/25/2024
102	201089	V10	7/25/2024
103	201092	V6	7/25/2024
104	201095	V4	7/25/2024
105	201107	VM12	7/25/2024
106	201104	VM10	7/25/2024
107	201110	VM8	7/25/2024
108	201113	VM6	7/25/2024
109	201119	VM4	7/25/2024
110	201122	VM2	7/25/2024

#	SEQN	Item Desc	Date

#	SEQN	Item Desc	Date

SEQN: 136770 / T61 / COMN FROM: GO	Ply: 1 Qty: 1 Wgt: 138.6 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 1T	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 27.30 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.079	D	999	360
VERT(CL): 0.146	D	999	240
HORZ(LL): 0.027	B	-	-
HORZ(TL): 0.050	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.865
Max BC CSI: 0.923
Max Web CSI: 0.554
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP SS Dense;
Bot chord: 2x4 SP #1; B2 2x4 SP #2;
Webs: 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

Member design based on both MWFRS and C&C.

Left end vertical not exposed to wind pressure.

Right cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
L	1339	/-	/-	/886	/472	/297
H	1702	/-	/-	/1062	/638	/-

Wind reactions based on C&C
L Brg Wid = - Min Req = -
H Brg Wid = 8.0 Min Req = 2.0 (Truss)
Bearing H is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	469	- 1269	D - E	718	- 2213
B - C	508	- 1165	E - F	621	- 2249
C - D	495	- 1268	F - G	327	- 217

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
L - K	297	- 87	I - H	203	- 213
K - J	1786	- 433	H - G	207	- 257
J - I	1786	- 433			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - L	501	- 1290	D - I	377	- 87
A - K	1294	- 430	I - E	280	- 451
B - K	249	0	I - F	2014	- 571
K - D	415	- 805	F - H	623	- 1610

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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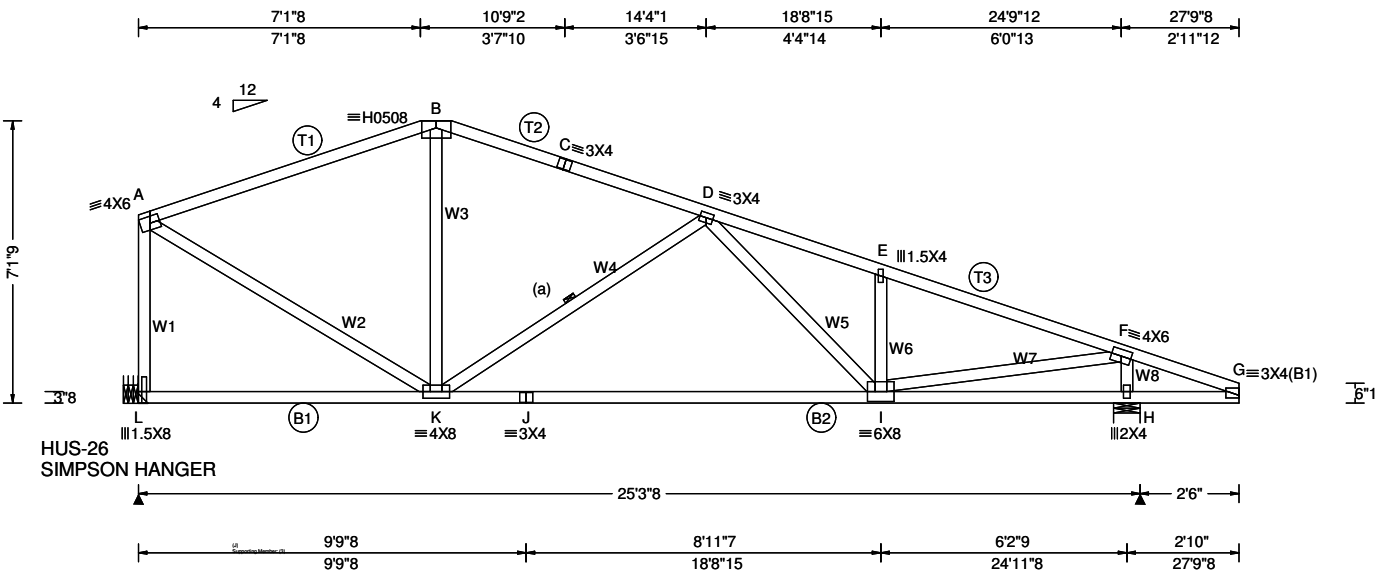
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 136773 / T71 / COMN FROM: GO	Ply: 1 Qty: 1 Wgt: 148.4 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 1H20	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 27.23 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.079	D	999	360
VERT(CL): 0.147	D	999	240
HORZ(LL): 0.026	B	-	-
HORZ(TL): 0.049	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.975
Max BC CSI: 0.923
Max Web CSI: 0.533
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP #1;
Bot chord: 2x4 SP #1; B2 2x4 SP #2;
Webs: 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

Member design based on both MWFRS and C&C.

Left end vertical not exposed to wind pressure.

Right cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
L	1339	/-	/-	/859	/453	/294
H	1702	/-	/-	/1050	/628	/-

Wind reactions based on C&C
L Brg Wid = - Min Req = -
H Brg Wid = 8.0 Min Req = 2.0 (Truss)
Bearing H is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	443	- 1270	D - E	698	- 2213
B - C	481	- 1166	E - F	600	- 2249
C - D	469	- 1269	F - G	327	- 217

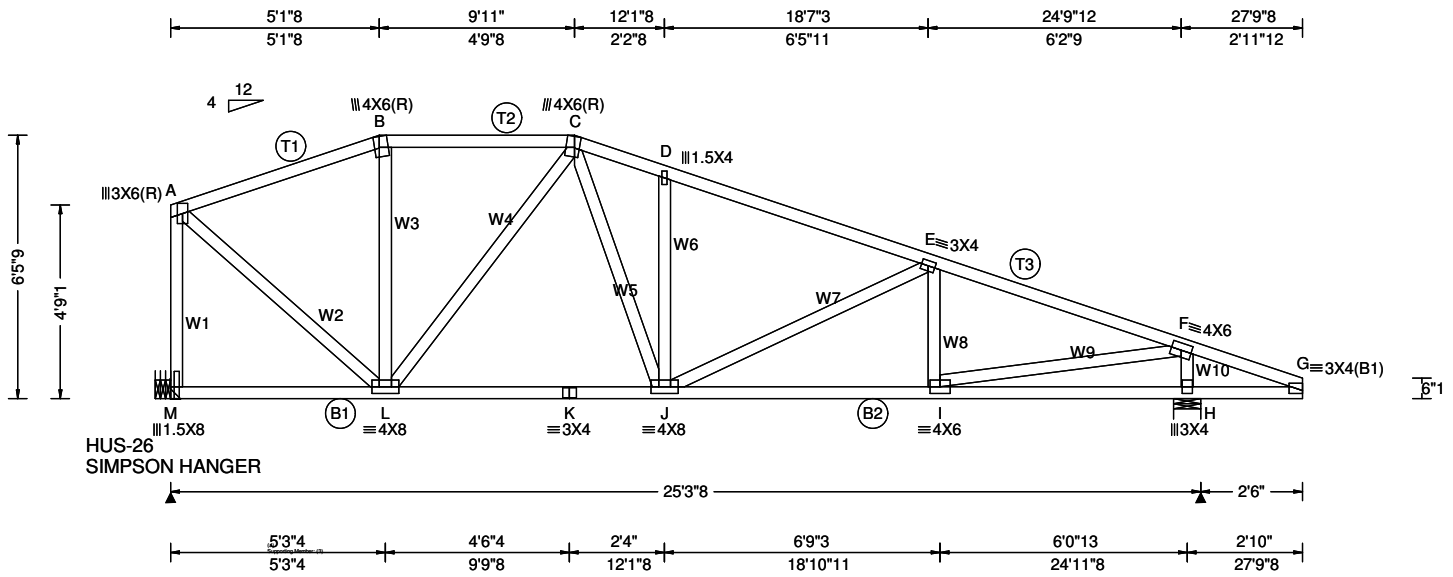
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
L - K	294	- 87	I - H	202	- 213
K - J	1785	- 408	H - G	207	- 257
J - I	1785	- 408			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - L	483	- 1290	D - I	378	- 92
A - K	1296	- 403	I - E	280	- 451
K - D	416	- 803	I - F	2015	- 552
B - K	248	0	F - H	612	- 1610

SEQN: 136674 / T80 / COMN FROM: GO	Ply: 1 Qty: 1 Wgt: 154.0 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 1H18	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 26.90 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.077	D	999	360
VERT(CL): 0.142	D	999	240
HORZ(LL): 0.028	B	-	-
HORZ(TL): 0.051	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.657
Max BC CSI: 0.583
Max Web CSI: 0.636
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind
Member design based on both MWFRS and C&C.
Left end vertical not exposed to wind pressure.
Right cantilever is exposed to wind
Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
M	1365	/-	/-	/644	/787	/277
H	1702	/-	/-	/904	/745	/-

Wind reactions based on C&C
M Brg Wid = - Min Req = -
H Brg Wid = 8.0 Min Req = 2.0 (Truss)
Bearing H is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	677	- 1075	D - E	908	- 1800
B - C	710	- 958	E - F	893	- 2226
C - D	979	- 1752	F - G	310	- 229

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
M - L	277	- 85	J - I	2052	- 740
L - K	1325	- 542	I - H	190	- 193
K - J	1325	- 542	H - G	219	- 243

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - M	809	- 1325	J - D	275	- 444
A - L	1260	- 770	J - E	243	- 487
B - L	349	- 197	E - I	252	- 274
L - C	338	- 610	I - F	2003	- 832
C - J	852	- 316	F - H	735	- 1577

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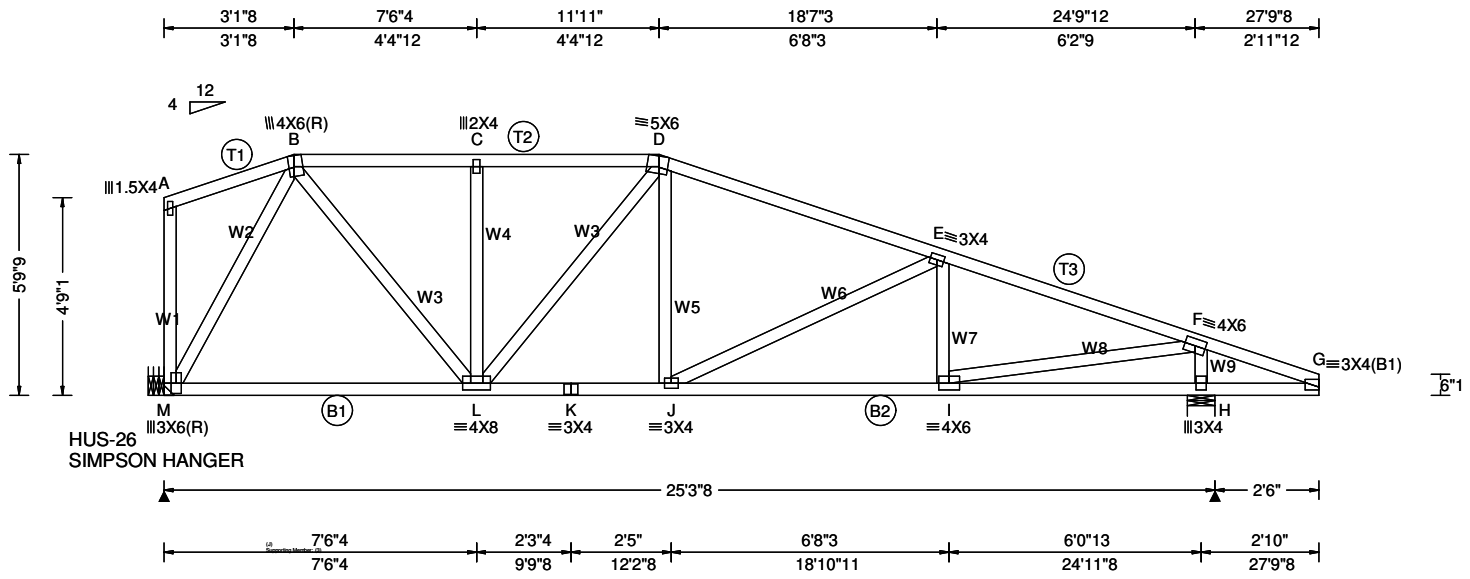
SEQN: 136753 / T50 / COMN FROM: GO	Ply: 1 Qty: 1 Wgt: 154.0 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 1H16	DRW: ... / ... 07/25/2024



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 30.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 15.00	Speed: 175 mph	Pf: NA Ce: NA	VERT(LL): 0.075 E 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.139 E 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.031 B - -
Des Ld: 55.00	EXP: C Kzt: NA		HORZ(TL): 0.057 B - -
NCBCLL: 10.00	Mean Height: 26.57 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 6.0 psf	FBC 8th Ed. 2023 Res. HVHZ	Max TC CSI: 0.706
Load Duration: 1.25	BCDL: 6.0 psf	TPI Std: 2014	Max BC CSI: 0.677
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.903
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)	Mfg Specified Camber:
	Loc. from endwall: not in 9.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 23.02.01A.1204.18
	Wind Duration: 1.60		

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind

Member design based on both MWFRS and C&C.

Left end vertical not exposed to wind pressure.

Right cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
M	1365	/-	/-	/644	/1038	/268
H	1702	/-	/-	/918	/839	/-

Wind reactions based on C&C
M Brg Wid = - Min Req = -
H Brg Wid = 8.0 Min Req = 2.0 (Truss)
Bearing H is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	53	- 45	D - E	1152	- 1789
B - C	1115	- 1343	E - F	1100	- 2233
C - D	1115	- 1343	F - G	313	- 221

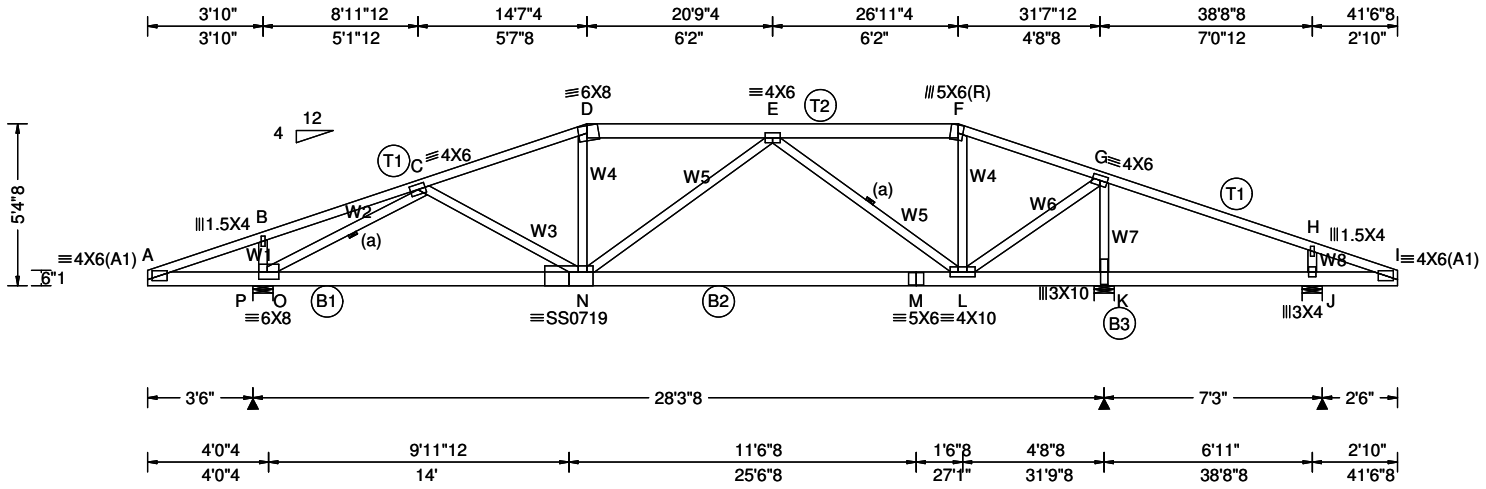
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
M - L	660	- 336	J - I	2060	- 939
L - K	1583	- 842	I - H	189	- 192
K - J	1583	- 842	H - G	213	- 247

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - M	128	- 140	D - J	359	- 60
M - B	1088	- 1335	J - E	260	- 581
B - L	1095	- 806	E - I	291	- 271
C - L	689	- 412	I - F	2018	- 1000
L - D	188	- 405	F - H	826	- 1578

SEQN: 136738 / T40 / HIPS FROM: AE	Ply: 1 Qty: 1 Wgt: 235.2 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 1H15	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Part. Enc.
Risk Category: II
EXP: C Kzt: NA
Mean Height: 27.19 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.15 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.55
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, 18SS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): -0.077	D	999	360
VERT(CL): 0.138	N	999	240
HORZ(LL): -0.025	L	-	-
HORZ(TL): 0.046	L	-	-

Creep Factor: 2.0
Max TC CSI: 0.781
Max BC CSI: 0.630
Max Web CSI: 0.708
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber
Top chord: 2x4 SP #2; T2 2x6 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #2;

Bracing
(a) Continuous lateral restraint equally spaced on member.

Wind
Member design based on both MWFRS and C&C.
Left and right cantilevers are exposed to wind
Wind loading based on both gable and hip roof types.
Right bottom chord exposed to wind.

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
P	1978	/-	/-	/1528	/1438	/153
K	2029	/-	/-	/1467	/1681	/-
J	659	/-	/-	/602	/431	/-

Wind reactions based on C&C
P Brg Wid = 8.0 Min Req = 2.3 (Truss)
K Brg Wid = 8.0 Min Req = 2.4 (Truss)
J Brg Wid = 8.0 Min Req = 1.5 (Truss)
Bearings P, K, & J are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	456	- 401	E - F	1351	- 1151
B - C	522	- 398	F - G	1334	- 1289
C - D	2124	- 2164	G - H	306	- 96
D - E	2123	- 1978	H - I	299	- 185

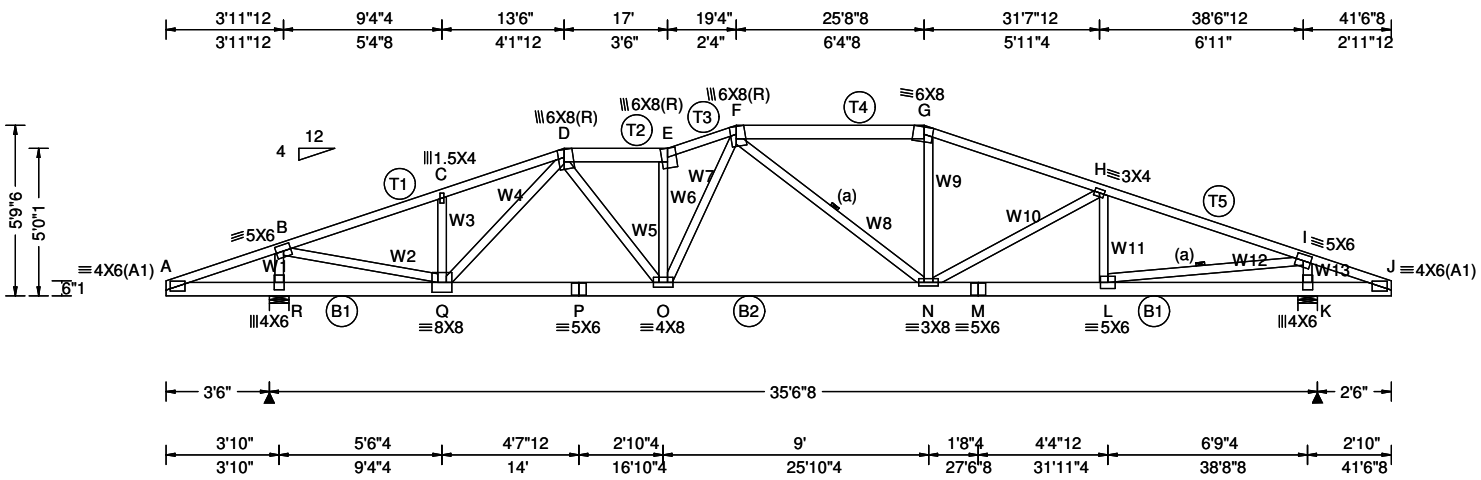
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - O	373	- 390	L - K	152	- 219
O - N	1885	- 1692	K - J	199	- 245
N - M	1952	- 1918	J - I	178	- 234
M - L	1952	- 1918			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - O	377	- 436	E - L	1331	- 1076
O - C	2052	- 2527	F - L	185	- 99
C - N	302	- 368	L - G	1527	- 1279
N - D	254	- 44	G - K	1683	- 1900
N - E	546	- 68	J - H	459	- 560

SEQN: 136727 / T104 / SPEC FROM: AE	Ply: 1 Qty: 1 Wgt: 261.1 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 1TH14	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 27.39 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: > 2h
C&C Dist a: 4.15 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.188	E	999	360
VERT(CL): 0.350	E	999	240
HORZ(LL): 0.040	D	-	-
HORZ(TL): 0.076	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.878
Max BC CSI: 0.584
Max Web CSI: 0.795
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
R	2357	/-	/-	/1259	/1165	/167
K	2232	/-	/-	/1161	/1062	/-

Wind reactions based on C&C
R Brg Wid = 8.0 Min Req = 2.8 (Truss)
K Brg Wid = 8.0 Min Req = 2.6 (Truss)
Bearings R & K are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	478	- 297	F - G	1871	- 2898
B - C	1704	- 2900	G - H	1887	- 3148
C - D	1807	- 2871	H - I	1749	- 3366
D - E	2205	- 3336	I - J	231	- 281
E - F	2367	- 3567			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - R	288	- 396	N - M	3129	- 1561
R - Q	287	- 315	M - L	3129	- 1561
Q - P	2839	- 1743	L - K	452	- 207
P - O	2839	- 1743	K - J	285	- 209
O - N	3022	- 1818			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
R - B	1111	- 2162	F - N	356	- 185
B - Q	2796	- 1464	G - N	418	- 108
C - Q	282	- 416	N - H	235	- 465
Q - D	380	- 331	H - L	347	- 413
D - O	867	- 535	L - I	2821	- 1428
O - E	907	- 1266	I - K	1026	- 2014
O - F	846	- 500			

Lumber

Top chord: 2x4 SP #2; T2,T4 2x6 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

Member design based on both MWFRS and C&C.

Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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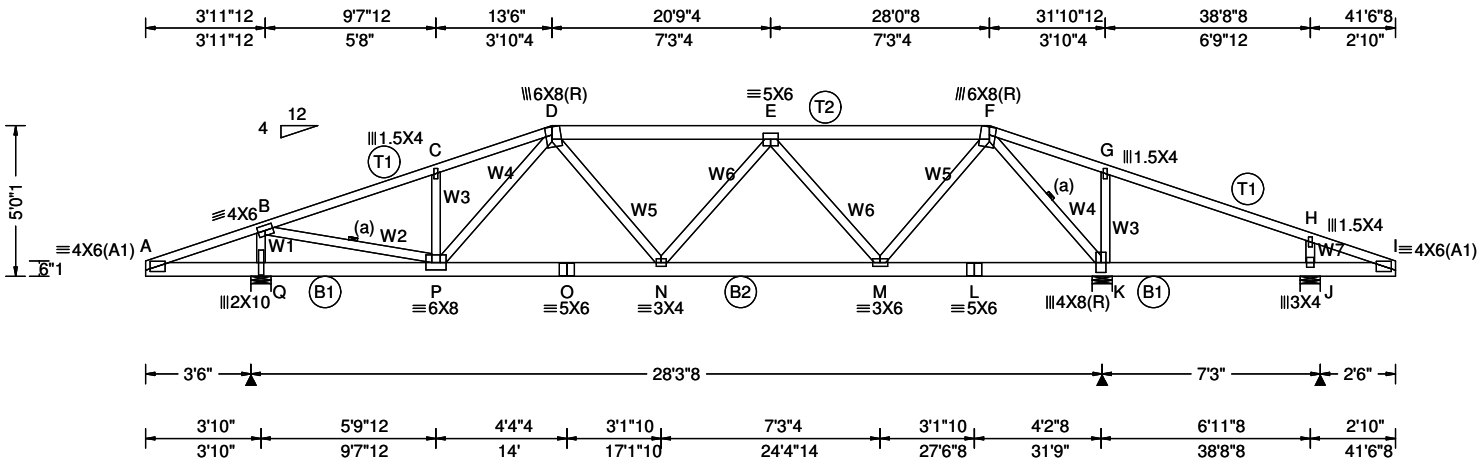
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 136741 / T106 / HIPS FROM: AE	Ply: 1 Qty: 1 Wgt: 247.8 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 1TH14A	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Part. Enc.
Risk Category: II
EXP: C Kzt: NA
Mean Height: 27.01 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.15 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.55
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): -0.087	N	999	360
VERT(CL): 0.147	N	999	240
HORZ(LL): -0.023	K	-	-
HORZ(TL): 0.038	K	-	-

Creep Factor: 2.0
Max TC CSI: 0.808
Max BC CSI: 0.407
Max Web CSI: 0.792
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Q	1956	/-	/-	/1512	/1473	/142
K	2088	/-	/-	/1521	/1796	/-
J	626	/-	/-	/606	/450	/-

Wind reactions based on C&C
Q Brg Wid = 8.0 Min Req = 2.3 (Truss)
K Brg Wid = 8.0 Min Req = 2.5 (Truss)
J Brg Wid = 8.0 Min Req = 1.5 (Truss)
Bearings Q, K, & J are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	484	- 347	E - F	1821	- 1573
B - C	2075	- 2188	F - G	313	- 140
C - D	2217	- 2151	G - H	351	- 97
D - E	2410	- 2126	H - I	324	- 215

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - Q	323	- 412	M - L	889	- 778
Q - P	334	- 333	L - K	889	- 778
P - O	1968	- 1915	K - J	230	- 269
O - N	1968	- 1915	J - I	211	- 259
N - M	2166	- 2235			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
Q - B	1432	- 1775	E - M	1251	- 996
B - P	2152	- 1689	M - F	1145	- 1091
C - P	412	- 415	F - K	1644	- 1704
P - D	533	- 164	K - G	590	- 574
D - N	286	- 376	J - H	441	- 538
N - E	493	- 67			

Lumber

Top chord: 2x4 SP #2; T2 2x6 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

Member design based on both MWFRS and C&C.

Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

Right bottom chord exposed to wind.

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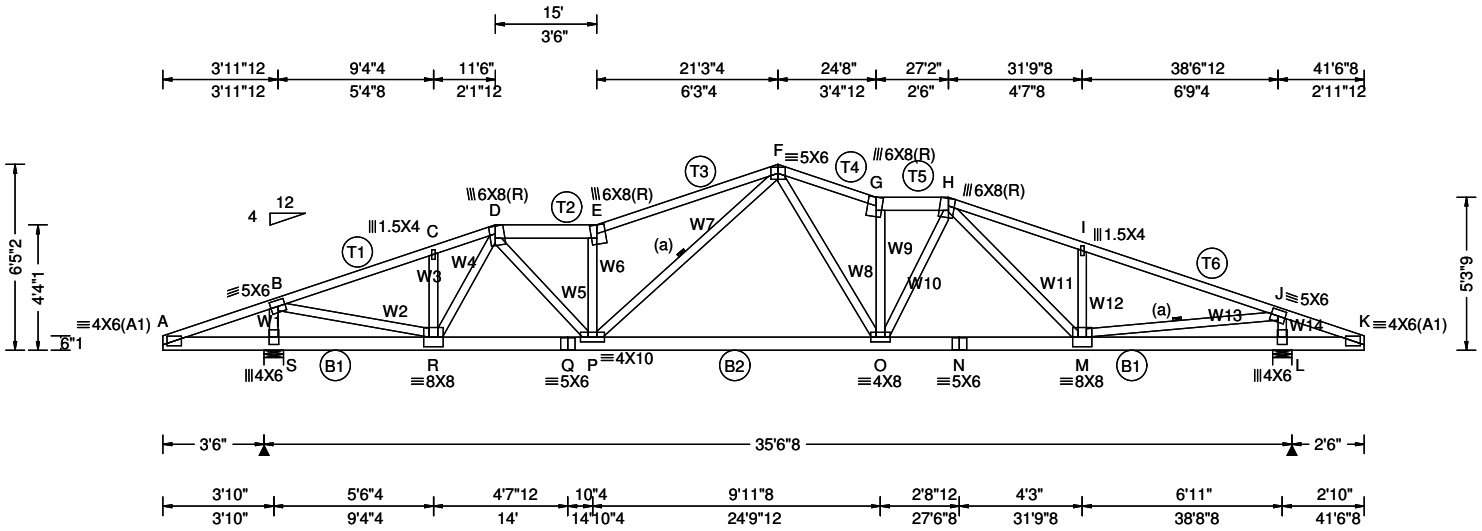
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 136724 / T63 / SPEC FROM: AE	Ply: 1 Qty: 1 Wgt: 50.4 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 1TH12	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 27.72 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: > 2h
C&C Dist a: 4.15 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.216	G	999	360
VERT(CL): 0.399	G	999	240
HORZ(LL): 0.051	D	-	-
HORZ(TL): 0.098	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.882
Max BC CSI: 0.613
Max Web CSI: 0.813
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber

Top chord: 2x4 SP #2; T2,T5 2x6 SP #2;
T3 2x4 SP #1;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

Member design based on both MWFRS and C&C.

Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
S	2357	/-	/-	/1232	/1097	/186
L	2232	/-	/-	/1132	/949	/-

Wind reactions based on C&C
S Brg Wid = 8.0 Min Req = 2.8 (Truss)
L Brg Wid = 8.0 Min Req = 2.6 (Truss)
Bearings S & L are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	471	- 303	F - G	1925	- 3476
B - C	1541	- 2884	G - H	1751	- 3226
C - D	1638	- 2832	H - I	1731	- 3345
D - E	1995	- 3651	I - J	1609	- 3383
E - F	2238	- 4013	J - K	235	- 288

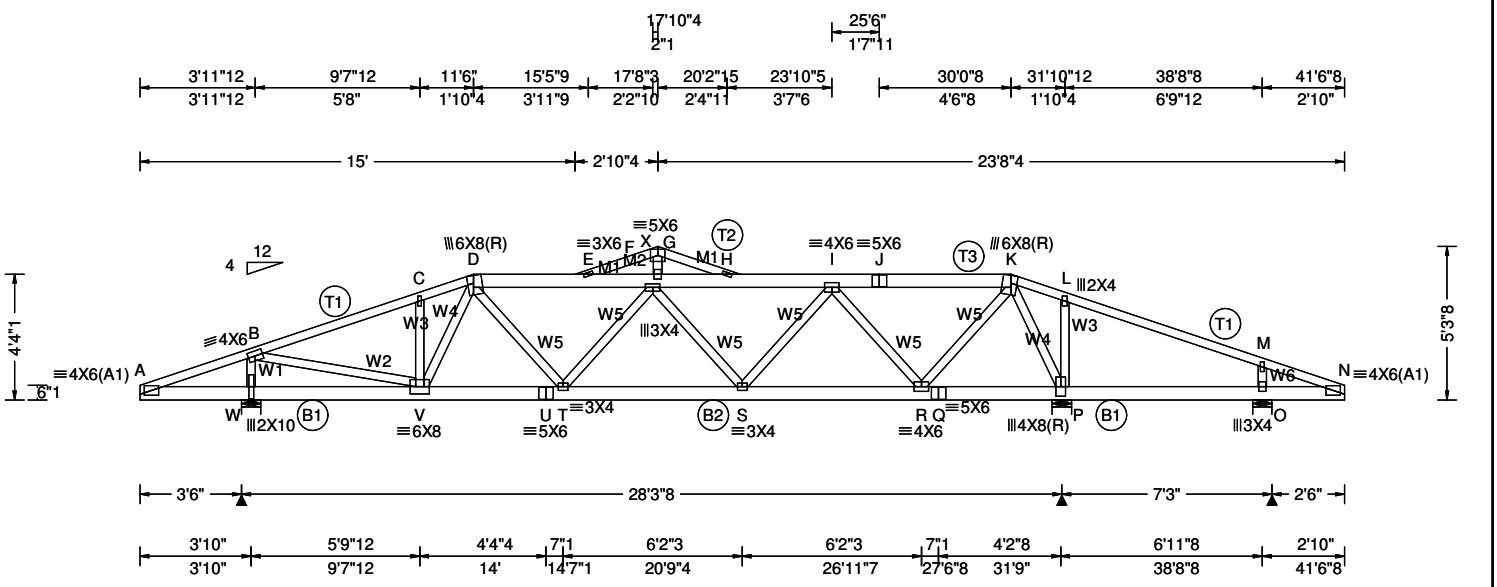
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - S	294	- 388	O - N	2968	- 1375
S - R	340	- 308	N - M	2968	- 1375
R - Q	2813	- 1498	M - L	459	- 214
Q - P	2813	- 1498	L - K	292	- 213
P - O	2721	- 1239			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
S - B	1040	- 2154	F - O	1094	- 661
B - R	2769	- 1300	G - O	817	- 1255
C - R	286	- 341	O - H	599	- 302
R - D	305	- 401	H - M	327	- 196
D - P	1315	- 619	M - I	334	- 516
P - E	1128	- 1747	M - J	2829	- 1241
P - F	1367	- 894	J - L	920	- 2012

SEQN: 136744 / T99 / SPEC FROM: AE	Ply: 1 Qty: 1 Wgt: 259.7 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 1TH12A	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Part. Enc.
Risk Category: II
EXP: C Kzt: NA
Mean Height: 26.67 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.15 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.55
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): -0.124	E	999	360
VERT(CL): 0.210	E	999	240
HORZ(LL): -0.023	P	-	-
HORZ(TL): 0.041	P	-	-

Creep Factor: 2.0
Max TC CSI: 0.762
Max BC CSI: 0.440
Max Web CSI: 0.965
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
W	1946	/-	/-	/1471	/1335	/146
P	2136	/-	/-	/1518	/1862	/-
O	605	/-	/-	/605	/441	/-

Wind reactions based on C&C
W Brg Wid = 8.0 Min Req = 2.3 (Truss)
P Brg Wid = 8.0 Min Req = 2.5 (Truss)
O Brg Wid = 8.0 Min Req = 1.5 (Truss)
Bearings W, P, & O are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	477	- 351	H - I	2437	- 2364
B - C	2005	- 2159	I - J	1344	- 1223
C - D	2133	- 2100	J - K	1343	- 1222
D - E	2378	- 2339	K - L	329	- 132
E - F	2586	- 2451	L - M	425	- 157
F - G	2647	- 2474	M - N	369	- 284
G - H	2647	- 2474			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - W	327	- 406	S - R	2034	- 1936
W - V	352	- 327	R - Q	370	- 288
V - U	1998	- 1797	Q - P	370	- 288
U - T	1998	- 1797	P - O	296	- 307
T - S	2589	- 2387	O - N	277	- 285

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
W - B	1391	- 1756	X - G	456	- 364
B - V	2116	- 1604	X - H	177	- 189
C - V	389	- 354	S - I	573	- 313
V - D	343	- 157	I - R	1446	- 1347
D - T	594	- 442	R - K	1422	- 1294
T - F	508	- 431	K - P	1397	- 1531
E - X	177	- 190	P - L	640	- 589
F - S	411	- 407	O - M	440	- 523

Lumber
Top chord: 2x4 SP #2; T2,T3 2x6 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #2;
Filler: 2x4 SP #2;

Plating Notes
All plates are 1.5X4 except as noted.

Purlins
Laterally brace TC below filler at 24" oc.

Wind
Member design based on both MWFRS and C&C.
Left and right cantilevers are exposed to wind
Wind loading based on both gable and hip roof types.
Right bottom chord exposed to wind.

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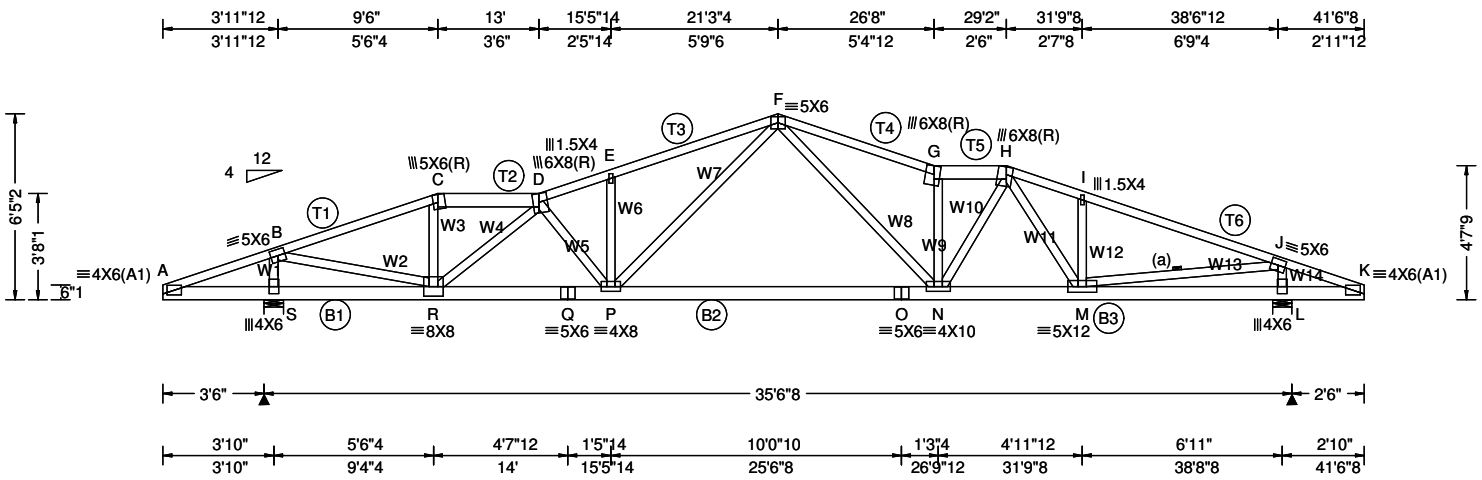
SEQN: 136695 / T94 / SPEC FROM: AE	Ply: 1 Qty: 1 Wgt: 255.5 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 1TH10	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 27.72 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: > 2h
C&C Dist a: 4.15 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.234	G	999	360
VERT(CL): 0.434	G	964	240
HORZ(LL): 0.051	C	-	-
HORZ(TL): 0.097	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.903
Max BC CSI: 0.714
Max Web CSI: 0.907
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber

Top chord: 2x4 SP #2; T2,T5 2x6 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

Member design based on both MWFRS and C&C.

Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
S	2357	/-	/-	/1227	/1104	/186
L	2232	/-	/-	/1135	/935	/-

Wind reactions based on C&C
S Brg Wid = 8.0 Min Req = 2.8 (Truss)
L Brg Wid = 8.0 Min Req = 2.6 (Truss)
Bearings S & L are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	470	- 304	F - G	2060	- 3855
B - C	1527	- 2904	G - H	1842	- 3529
C - D	1522	- 2667	H - I	1766	- 3315
D - E	1837	- 3814	I - J	1649	- 3371
E - F	1952	- 3862	J - K	231	- 298

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - S	294	- 387	O - N	2711	- 1146
S - R	351	- 307	N - M	3064	- 1396
R - Q	3844	- 1862	M - L	470	- 211
Q - P	3844	- 1862	L - K	302	- 210
P - O	2711	- 1146			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
S - B	1058	- 2151	F - N	1316	- 784
B - R	2790	- 1328	G - N	1001	- 1588
R - C	411	- 82	N - H	975	- 417
R - D	771	- 1616	H - M	199	- 178
D - P	396	- 411	M - I	347	- 457
E - P	295	- 387	M - J	2804	- 1261
P - F	1271	- 683	J - L	938	- 2006

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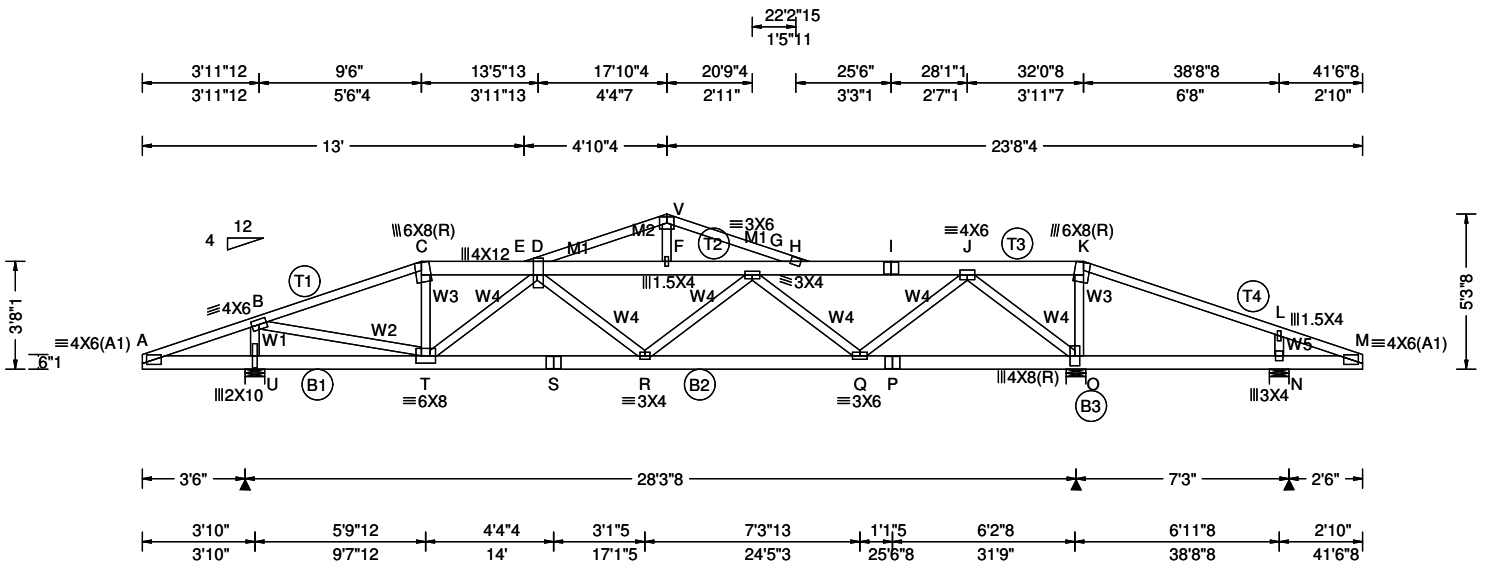
SEQN: 136747 / T54 / SPEC FROM: AE	Ply: 1 Qty: 1 Wgt: 254.1 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 1TH10A	DRW: ... / ... 07/25/2024



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 30.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 175 mph Enclosure: Part. Enc. Risk Category: II EXP: C Kzt: NA Mean Height: 26.34 ft TCDL: 6.0 psf BCDL: 6.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.15 ft Loc. from endwall: not in 13.00 ft GCpi: 0.55 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): -0.152 H 999 360 VERT(CL): 0.256 H 999 240 HORZ(LL): -0.030 O - - HORZ(TL): 0.053 O - - Creep Factor: 2.0 Max TC CSI: 0.716 Max BC CSI: 0.529 Max Web CSI: 0.980 Mfg Specified Camber: VIEW Ver: 23.02.01A.1204.18

Lumber

Top chord: 2x6 SP #2; T1 2x4 SP #2;
T4 2x4 SP #1;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #2;
Filler: 2x4 SP #2;

Plating Notes

All plates are 5X6 except as noted.

Purlins

Laterally brace TC below filler at 24" oc.

Wind

Member design based on both MWFRS and C&C.

Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

Right bottom chord exposed to wind.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
U	1954	/-	/-	/1450	/1335	/146
O	2100	/-	/-	/1476	/1888	/-
N	650	/-	/-	/593	/450	/-

Wind reactions based on C&C
U Brg Wid = 8.0 Min Req = 2.3 (Truss)
O Brg Wid = 8.0 Min Req = 2.5 (Truss)
N Brg Wid = 8.0 Min Req = 1.5 (Truss)
Bearings U, O, & N are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	485	- 346	H - I	2143	- 2192
B - C	2060	- 2215	I - J	2143	- 2192
C - D	2056	- 2042	J - K	373	- 131
D - F	2464	- 2517	K - L	429	- 155
F - G	2464	- 2517	L - M	402	- 300
G - H	1845	- 1798			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - U	321	- 411	Q - P	1364	- 1307
U - T	352	- 334	P - O	1364	- 1307
T - S	2756	- 2475	O - N	307	- 332
S - R	2756	- 2475	N - M	284	- 320
R - Q	2904	- 2627			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
U - B	1433	- 1774	V - F	257	- 179
B - T	2192	- 1630	V - H	396	- 544
C - T	254	- 68	G - Q	981	- 999
T - D	875	- 999	Q - J	1159	- 776
D - V	387	- 544	J - O	2193	- 2140
E - R	282	- 114	O - K	423	- 450
R - G	264	- 20	N - L	599	- 605

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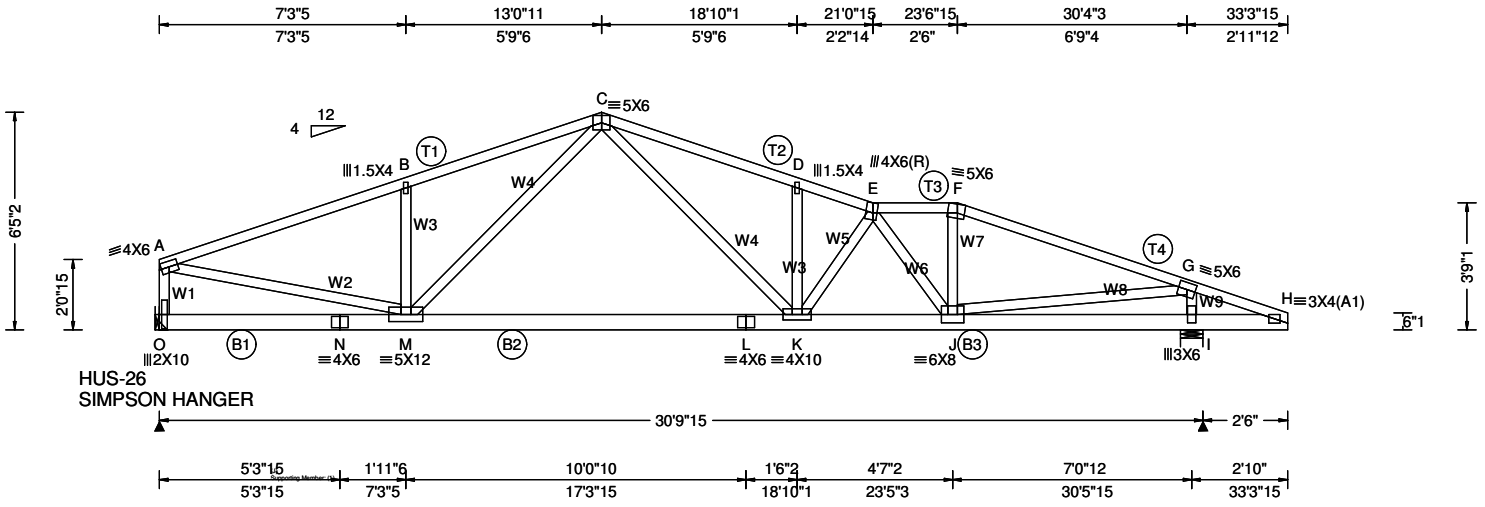
SEQN: 136701 / T88 / COMN FROM: GO	Ply: 1 Qty: 1 Wgt: 278.6 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 1TH10B	DRW: ... / ... 07/25/2024



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 30.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 15.00	Speed: 175 mph	Pf: NA Ce: NA	VERT(LL): 0.164 D 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.302 D 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.033 B - -
Des Ld: 55.00	EXP: C Kzt: NA		HORZ(TL): 0.061 B - -
NCBCLL: 10.00	Mean Height: 27.72 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 6.0 psf	FBC 8th Ed. 2023 Res. HVHZ	Max TC CSI: 0.877
Load Duration: 1.25	BCDL: 6.0 psf	TPI Std: 2014	Max BC CSI: 0.631
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.862
	C&C Dist a: 3.33 ft	FT/RT:20(0)/10(0)	Mfg Specified Camber:
	Loc. from endwall: not in 9.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 23.02.01A.1204.18
	Wind Duration: 1.60		

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP SS Dense;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #2;

Wind

Member design based on both MWFRS and C&C.

Left end vertical not exposed to wind pressure.

Right cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
O	1671	/-	/-	/1007	/540	/210
I	2003	/-	/-	/1034	/813	/-

Wind reactions based on C&C
O Brg Wid = - Min Req = -
I Brg Wid = 8.0 Min Req = 2.4 (Truss)
Bearing I is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	884	- 2600	E - F	1261	- 2681
B - C	1024	- 2596	F - G	1250	- 2911
C - D	1318	- 3222	G - H	229	- 284
D - E	1230	- 3144			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
O - N	214	- 139	K - J	3176	- 1150
N - M	214	- 139	J - I	439	- 211
M - L	2062	- 657	I - H	290	- 207
L - K	2062	- 657			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - O	565	- 1617	K - E	375	- 346
A - M	2393	- 770	E - J	325	- 882
B - M	398	- 661	J - F	389	- 30
M - C	457	- 217	J - G	2370	- 983
C - K	1328	- 606	G - I	796	- 1790
K - D	273	- 460			

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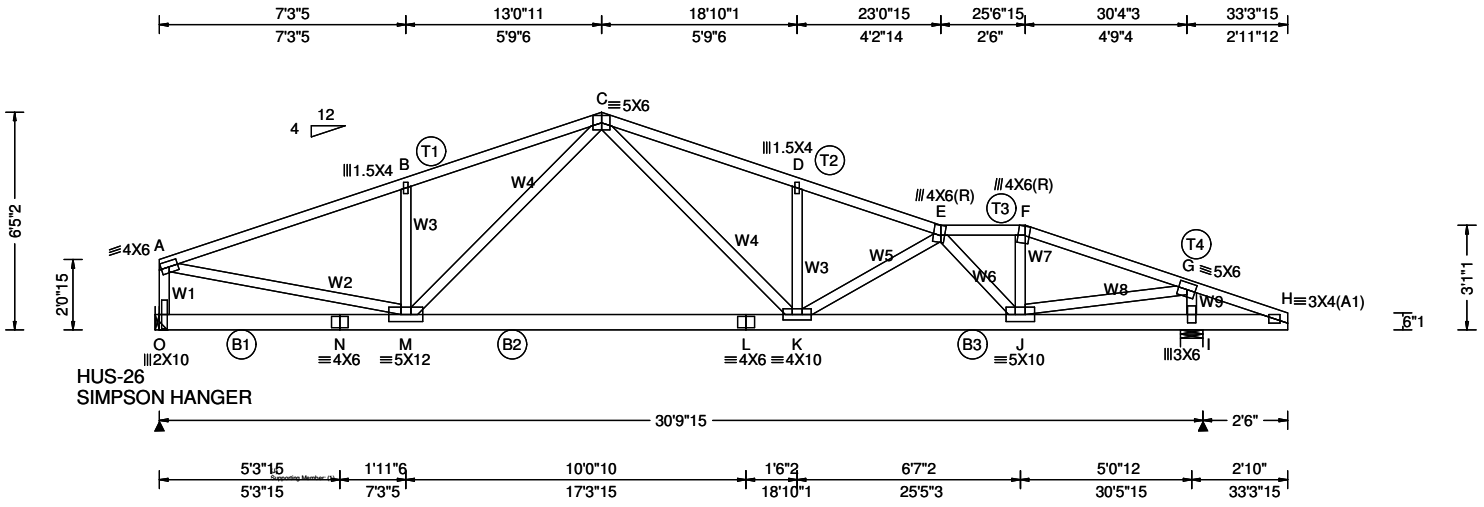
SEQN: 136692 / T81 / COMN FROM: GO	Ply: 1 Qty: 1 Wgt: 198.8 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 1TH8	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 27.72 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.33 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.165	D	999	360
VERT(CL): 0.306	D	999	240
HORZ(LL): 0.033	B	-	-
HORZ(TL): 0.061	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.615
Max BC CSI: 0.681
Max Web CSI: 0.685
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber
Top chord: 2x4 SP #2; T1 2x4 SP SS Dense;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #2;

Wind
Member design based on both MWFRS and C&C.
Left end vertical not exposed to wind pressure.
Right cantilever is exposed to wind
Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
O	1671	/-	/-	/1028	/527	/210
I	2003	/-	/-	/1013	/826	/-

Wind reactions based on C&C
O Brg Wid = - Min Req = -
I Brg Wid = 8.0 Min Req = 2.4 (Truss)
Bearing I is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	860	- 2600	E - F	1166	- 2544
B - C	1000	- 2597	F - G	1166	- 2727
C - D	1258	- 3232	G - H	275	- 214
D - E	1163	- 3200			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
O - N	214	- 139	K - J	3392	- 1236
N - M	214	- 139	J - I	266	- 209
M - L	2062	- 628	I - H	209	- 223
L - K	2062	- 628			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - O	552	- 1617	K - E	466	- 473
A - M	2393	- 747	E - J	509	- 1309
B - M	399	- 663	J - F	505	- 85
M - C	458	- 218	J - G	2402	- 977
C - K	1340	- 532	G - I	775	- 1802
K - D	294	- 495			

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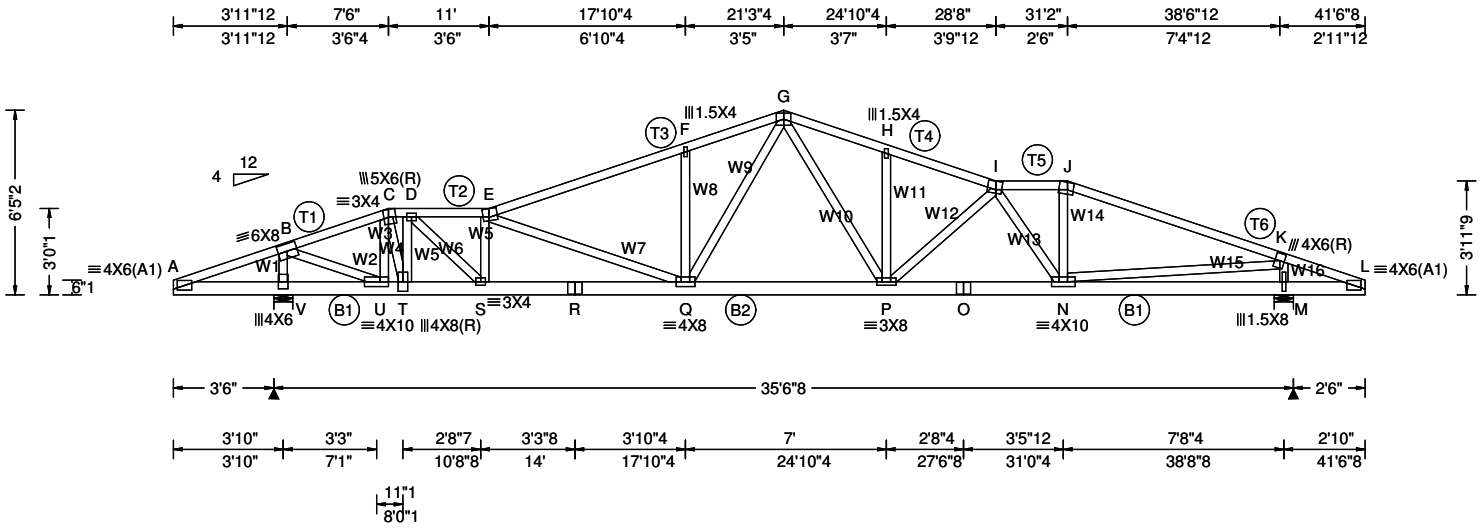
SEQN: 139968 / T82 / SPEC FROM: GO	Ply: 2 Qty: 1 Wgt: 19.6 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 1THG8	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 27.72 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.15 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.199	F	999	360
VERT(CL): 0.364	F	999	240
HORZ(LL): 0.054	C	-	-
HORZ(TL): 0.100	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.649
Max BC CSI: 0.877
Max Web CSI: 0.711
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
V	5252	/-	/-	/-	/2304	/-
M	2629	/-	/-	/-	/1313	/-

Wind reactions based on MWFRS
V Brg Wid = 8.0 Min Req = 3.1 (Truss)
M Brg Wid = 8.0 Min Req = 1.6 (Truss)
Bearings V & M are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	254	- 105	G - H	1129	- 2336
B - C	1324	- 3120	H - I	1125	- 2333
C - D	1449	- 3459	I - J	968	- 1987
D - E	1775	- 4058	J - K	1057	- 2134
E - F	1256	- 2662	K - L	83	- 182
F - G	1246	- 2649			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - V	77	- 212	Q - P	1923	- 917
V - U	44	- 172	P - O	2394	- 1166
U - T	3066	- 1291	O - N	2394	- 1166
T - S	3515	- 1481	N - M	270	- 117
S - R	4110	- 1812	M - L	186	- 57
R - Q	4110	- 1812			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
V - B	1132	- 2502	Q - G	1132	- 488
B - U	3148	- 1344	G - P	549	- 262
U - C	522	- 1243	P - H	142	- 188
C - T	2079	- 836	P - I	157	- 310
T - D	291	- 678	I - N	361	- 741
D - S	954	- 435	N - J	399	- 125
S - E	333	- 666	N - K	1760	- 854
E - Q	699	- 1743	K - M	663	- 1194
F - Q	204	- 272			

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #2;

Nailnote

Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	90 plf at	0.00 to	90 plf at	41.54
BC: From	20 plf at	0.00 to	20 plf at	7.46
BC: From	10 plf at	7.46 to	10 plf at	8.15
BC: From	20 plf at	8.15 to	20 plf at	41.54

BC: -5 lb Conc. Load at 7.46
BC: 3323 lb Conc. Load at 8.15

Plating Notes

All plates are 5X6 except as noted.

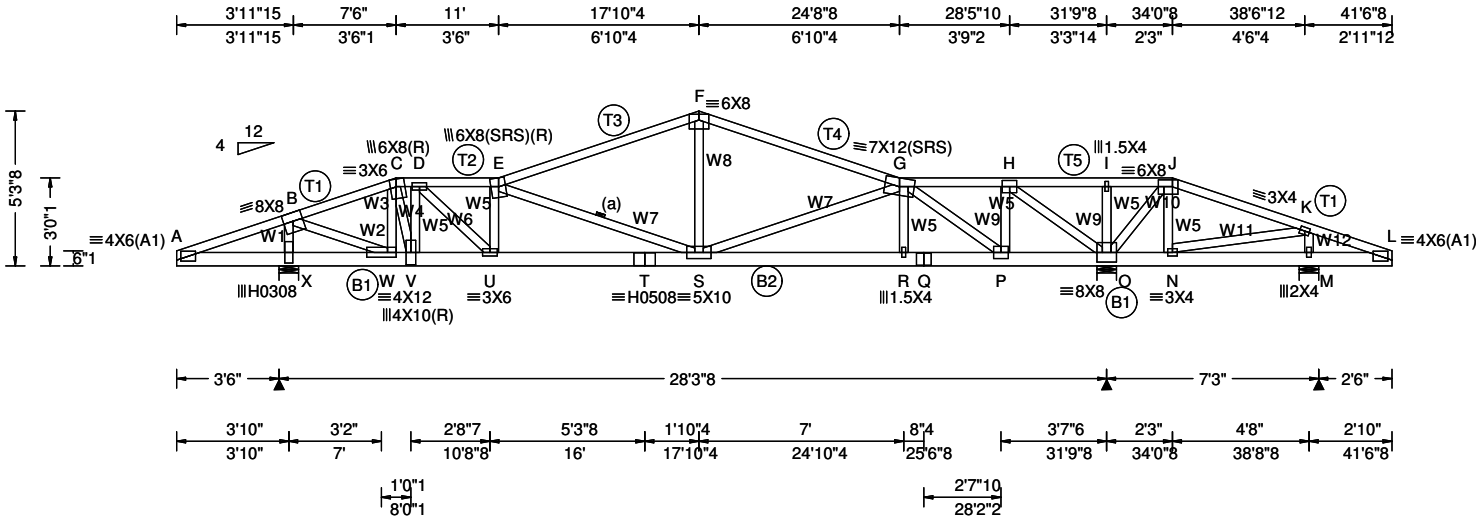
Wind

Wind loads and reactions based on MWFRS.

Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

SEQN: 139971 / T75 / SPEC FROM: GO	Ply: 1 Qty: 1 Wgt: 35.0 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 1THG8A	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Part. Enc.
Risk Category: II
EXP: C Kzt: NA
Mean Height: 27.15 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.15 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.55
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.183 E	999	360
VERT(CL):	0.335 E	999	240
HORZ(LL):	0.051 C	-	-
HORZ(TL):	0.093 C	-	-

Creep Factor: 2.0
Max TC CSI: 0.981
Max BC CSI: 0.468
Max Web CSI: 0.941
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
X	3970	/-	/-	/-	/2246	/-
O	3852	/-	/-	/-	/2974	/-
M	416	/-350	/-	/-	/83	/-

Wind reactions based on MWFRS
X Brg Wid = 8.0 Min Req = 3.3 (Truss)
O Brg Wid = 8.0 Min Req = 3.2 (Truss)
M Brg Wid = 8.0 Min Req = 1.5 (Truss)
Bearings X, O, & M are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	505	- 331	G - H	123	- 211
B - C	2286	- 4436	H - I	2673	- 1747
C - D	2466	- 4876	I - J	2673	- 1748
D - E	2980	- 5395	J - K	1699	- 871
E - F	1830	- 2838	K - L	379	- 270
F - G	1831	- 2840			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - X	250	- 423	R - Q	2069	- 1410
X - W	97	- 358	Q - P	2069	- 1410
W - V	4337	- 2208	P - O	149	- 302
V - U	4923	- 2518	O - N	773	- 1560
U - T	5427	- 3039	N - M	184	- 328
T - S	5427	- 3039	M - L	196	- 304
S - R	2064	- 1414			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
X - B	2180	- 3722	G - R	207	0
B - W	4545	- 2405	G - P	1817	- 2748
W - C	915	- 1718	P - H	1630	- 998
C - V	2848	- 1365	H - O	2039	- 3023
V - D	477	- 840	I - O	337	- 337
D - U	1152	- 683	O - J	1498	- 1710
U - E	537	- 774	J - N	571	- 652
E - S	1491	- 3018	N - K	605	- 1268
F - S	1068	- 399	K - M	407	- 311
S - G	584	- 249			

Lumber

Top chord: 2x4 SP #2; T3,T5 2x4 SP #1;
Bot chord: 2x6 SP M-26;
Webs: 2x4 SP #2; W2 2x4 SP #1;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 90 plf at 0.00 to 90 plf at 41.54
BC: From 20 plf at 0.00 to 20 plf at 41.54
TC: 142 lb Conc. Load at 33.45
BC: -5 lb Conc. Load at 7.46
BC: 2665 lb Conc. Load at 8.15
BC: 97 lb Conc. Load at 33.45
BC: 124 lb Conc. Load at 34.09

Plating Notes

All plates are 5X6 except as noted.

Wind

Wind loads and reactions based on MWFRS.

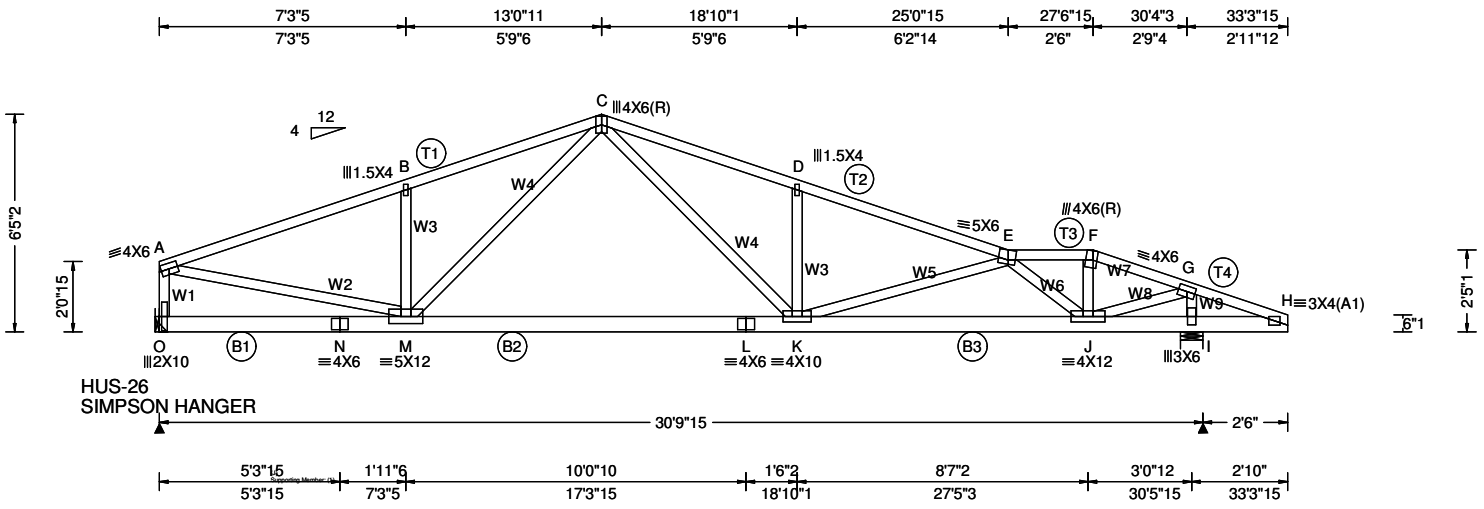
Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -350# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

SEQN: 136683 / T10 / COMN FROM: GO	Ply: 1 Qty: 1 Wgt: 194.6 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 1TH6	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 27.72 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.33 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.168	D	999	360
VERT(CL): 0.313	D	999	240
HORZ(LL): 0.034	B	-	-
HORZ(TL): 0.063	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.727
Max BC CSI: 0.718
Max Web CSI: 0.665
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber
Top chord: 2x4 SP #2; T1 2x4 SP SS Dense;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #2;

Wind
Member design based on both MWFRS and C&C.
Left end vertical not exposed to wind pressure.
Right cantilever is exposed to wind
Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
O	1671	/-	/-	/1048	/514	/210
I	2003	/-	/-	/994	/839	/-

Wind reactions based on C&C
O Brg Wid = - Min Req = -
I Brg Wid = 8.0 Min Req = 2.4 (Truss)
Bearing I is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	837	- 2600	E - F	919	- 2150
B - C	978	- 2598	F - G	929	- 2273
C - D	1207	- 3264	G - H	333	- 213
D - E	1097	- 3262			

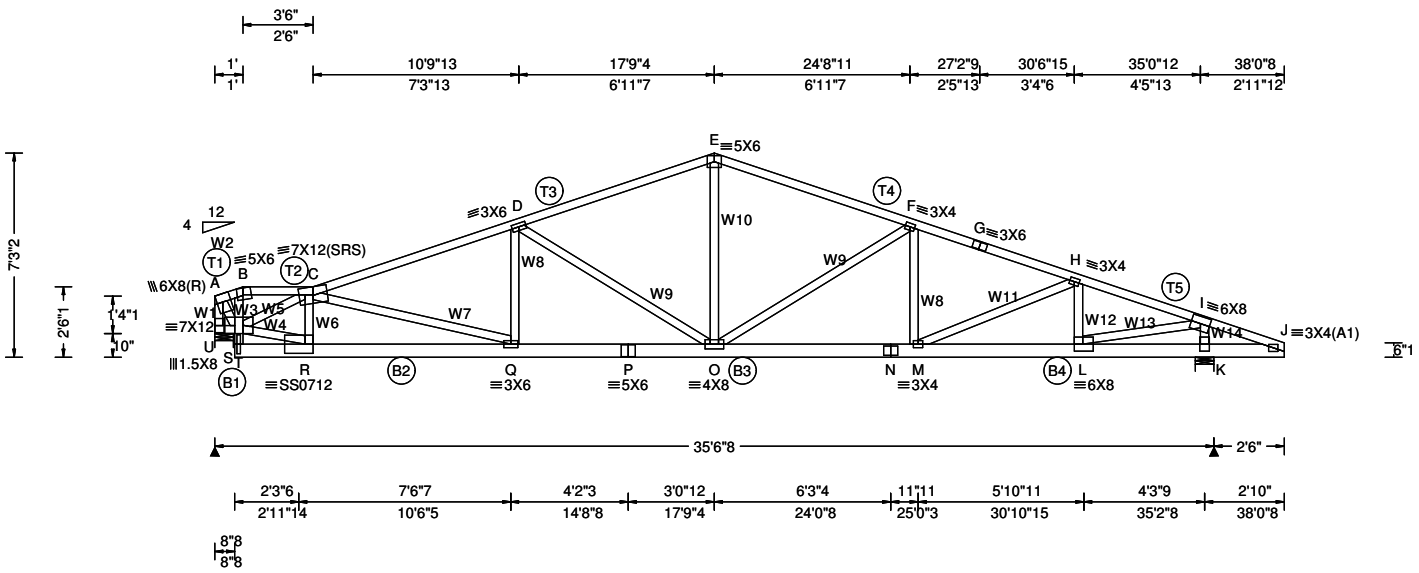
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
O - N	214	- 139	K - J	3581	- 1280
N - M	214	- 139	J - I	186	- 214
M - L	2059	- 598	I - H	210	- 273
L - K	2059	- 598			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - O	539	- 1616	K - E	546	- 591
A - M	2393	- 725	E - J	769	- 1911
B - M	401	- 668	J - F	546	- 129
M - C	462	- 221	J - G	2168	- 844
C - K	1379	- 470	G - I	756	- 1826
K - D	347	- 584			

SEQN: 201692 / T102 / SPEC FROM: AE	Ply: 2 Qty: 1 Wgt: 22.4 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 1THG4	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 27.30 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.80 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, 18SS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.203	O	999	360
VERT(CL): 0.373	O	999	240
HORZ(LL): 0.041	K	-	-
HORZ(TL): 0.077	K	-	-

Creep Factor: 2.0
Max TC CSI: 0.971
Max BC CSI: 0.750
Max Web CSI: 0.803
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
U	6180 /-	/-	/-	/3032	/-
K	5234 /-	/-	/-	/2339	/-

Wind reactions based on MWFRS
U Brg Wid = 8.0 Min Req = 3.6 (Truss)
K Brg Wid = 8.0 Min Req = 3.1 (Truss)
Bearings U & K are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	1207	-2461	F - G	1544	-3352
B - C	1087	-2223	G - H	1582	-3400
C - D	1941	-4168	H - I	1764	-4069
D - E	1263	-2645	I - J	51	-235
E - F	1262	-2644			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
U - S	6	-3	O - N	3171	-1470
T - R	96	-44	N - M	3171	-1470
R - Q	4853	-2300	M - L	3801	-1652
Q - P	3854	-1788	L - K	427	-136
P - O	3854	-1788	K - J	222	-38

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - U	1509	-3066	D - O	748	-1663
A - S	3229	-1579	E - O	1332	-536
S - T	0	-108	O - F	370	-847
S - B	756	-366	F - M	408	-68
S - R	5107	-2412	M - H	196	-703
S - C	1332	-2910	H - L	475	0
R - C	300	-9	L - I	3557	-1563
C - Q	515	-1073	I - K	1084	-2327
Q - D	1073	-357			

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #2; B1 2x4 SP #2;
B2 2x6 SP M-26;
Webs: 2x4 SP #2; W4 2x4 SP #1;

Nailnote

Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 7.50" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 90 plf at 0.00 to 90 plf at 38.04
BC: From 20 plf at 0.00 to 20 plf at 38.04
BC: 1155 lb Conc. Load at 1.98
BC: 1146 lb Conc. Load at 3.98, 5.98, 7.98
BC: 2347 lb Conc. Load at 30.89
BC: 284 lb Conc. Load at 32.95

Plating Notes

All plates are 4X6 except as noted.

Wind

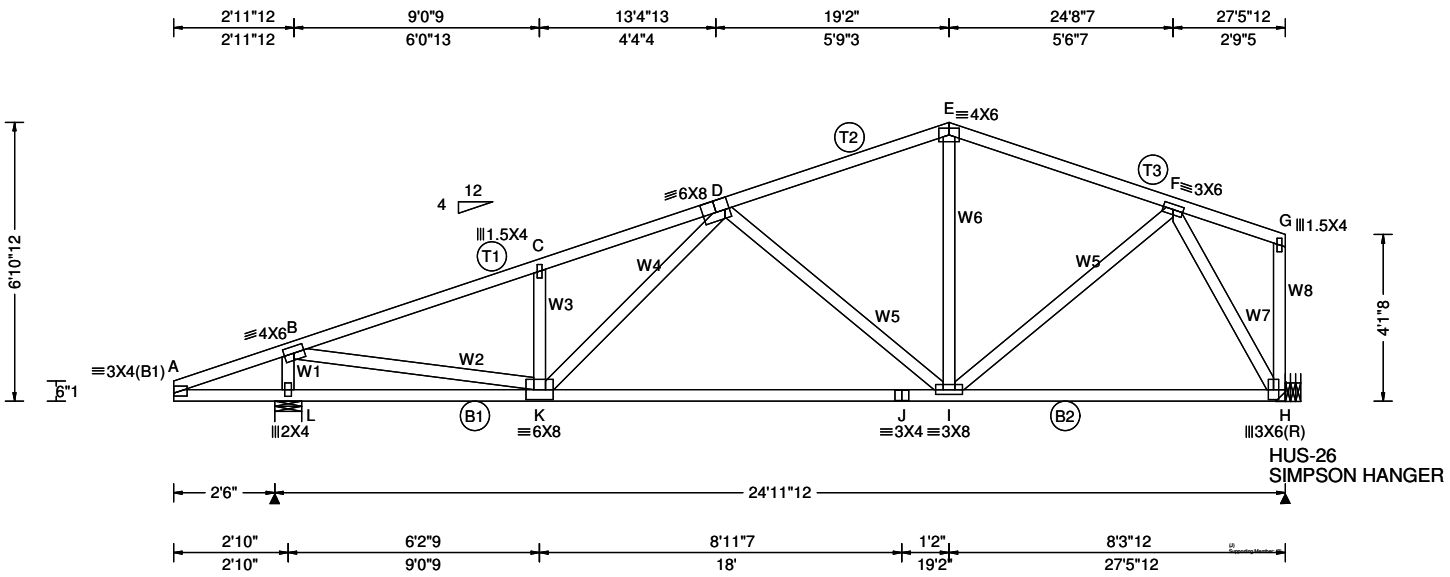
Wind loads and reactions based on MWFRS.

Left end vertical not exposed to wind pressure.

Right cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

SEQN: 136835 / T11 / SPEC FROM: AE	Ply: 1 Qty: 3 Wgt: 154.0 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 2T	DRW: ... / ... 07/25/2024



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 30.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 15.00	Speed: 175 mph	Pf: NA Ce: NA	VERT(LL): 0.074 D 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.137 D 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.021 H - -
Des Ld: 55.00	EXP: C Kzt: NA		HORZ(TL): 0.040 H - -
NCBCLL: 10.00	Mean Height: 27.12 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 6.0 psf	FBC 8th Ed. 2023 Res. HVHZ	Max TC CSI: 0.630
Load Duration: 1.25	BCDL: 6.0 psf	TPI Std: 2014	Max BC CSI: 0.949
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes	Max Web CSI: 0.717
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)	Mfg Specified Camber:
	Loc. from endwall: not in 9.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 23.02.01A.1204.18
	Wind Duration: 1.60		

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Hangers / Ties

(J) Hanger Support Required, by others

Wind

Member design based on both MWFRS and C&C.

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
L	1685	/-	/-	/1053	/645	/269
H	1347	/-	/-	/888	/477	/-

Wind reactions based on C&C
L Brg Wid = 8.0 Min Req = 2.0 (Truss)
H Brg Wid = - Min Req = -
Bearing L is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	319	- 225	D - E	553	- 1323
B - C	710	- 2208	E - F	531	- 1323
C - D	820	- 2180	F - G	52	- 26

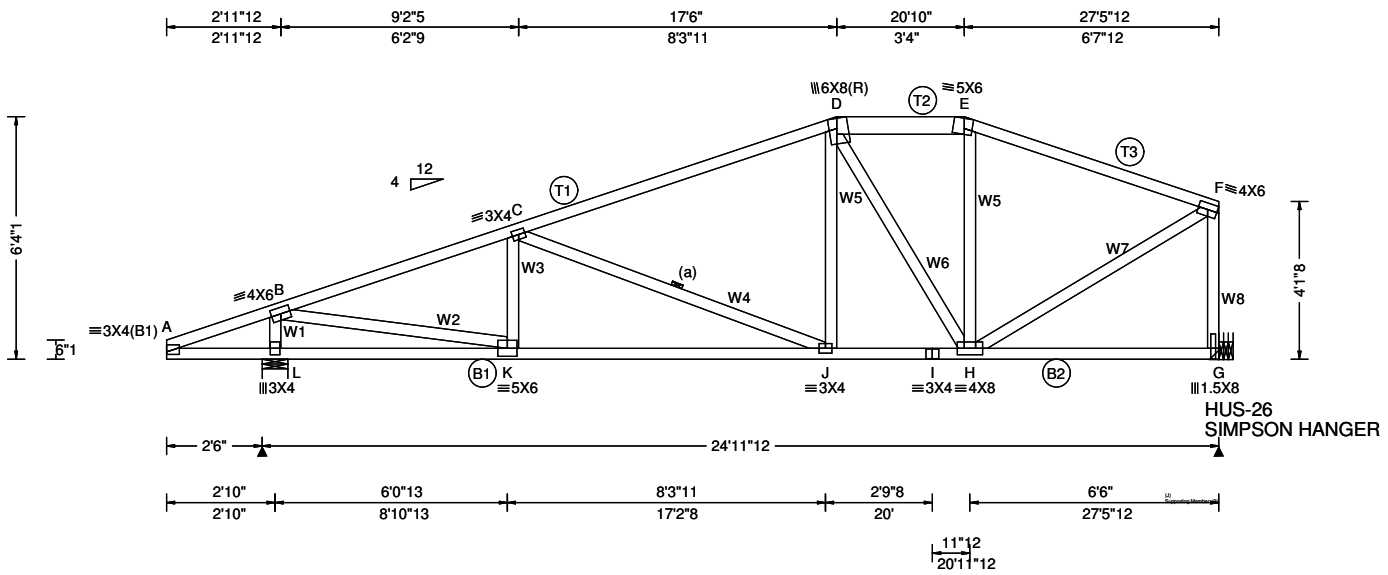
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - L	215	- 250	J - I	1725	- 664
L - K	276	- 315	I - H	711	- 285
K - J	1725	- 664			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
L - B	628	- 1581	E - I	341	- 39
B - K	1975	- 609	I - F	618	- 134
C - K	302	- 479	F - H	577	- 1409
K - D	404	- 138	G - H	32	- 62
D - I	381	- 712			

SEQN: 136826 / T43 / HIPS FROM: AE	Ply: 1 Qty: 2 Wgt: 159.6 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 2H18	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 26.84 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.078	C	999	360
VERT(CL): 0.144	C	999	240
HORZ(LL): 0.020	G	-	-
HORZ(TL): 0.038	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.980
Max BC CSI: 0.711
Max Web CSI: 0.651
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber

Top chord: 2x4 SP #2; T2 2x6 SP #2;
Bot chord: 2x4 SP #2; B2 2x4 SP #1;
Webs: 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

Wind

Member design based on both MWFRS and C&C.

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
L	1685	/-	/-	/897	/734	/253
G	1347	/-	/-	/636	/676	/-

Wind reactions based on C&C
L Brg Wid = 8.0 Min Req = 2.0 (Truss)
G Brg Wid = - Min Req = -
Bearing L is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	329	- 233	D - E	774	- 1140
B - C	860	- 2233	E - F	718	- 1278
C - D	842	- 1626			

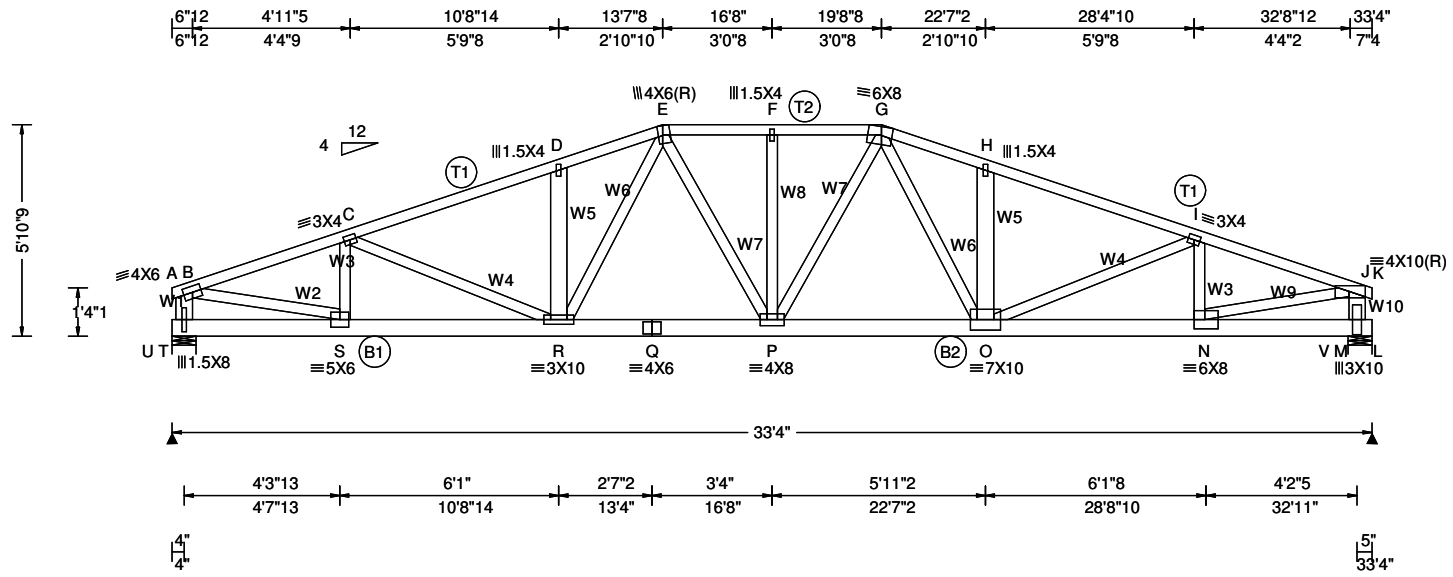
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - L	224	- 263	J - I	1414	- 705
L - K	238	- 277	I - H	1414	- 705
K - J	2066	- 923	H - G	22	- 11

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
L - B	715	- 1567	D - H	244	- 546
B - K	2062	- 833	E - H	262	- 90
K - C	268	- 259	H - F	1294	- 694
C - J	343	- 683	F - G	709	- 1287
J - D	403	- 56			

SEQN: 140016 / T66 / COMN FROM: AE	Ply: 3 Qty: 1 Wgt: 236.6 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 2HG17	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 27.03 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.58 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.196	H	999	360
VERT(CL): 0.357	H	999	240
HORZ(LL): 0.036	D	-	-
HORZ(TL): 0.065	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.526
Max BC CSI: 0.495
Max Web CSI: 0.673
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
U	3703	/-	/0	/-	/1663	/0
V	7544	/-	/0	/-	/2916	/0

Wind reactions based on MWFRS
U Brg Wid = 8.0 Min Req = 1.5 (Truss)
V Brg Wid = 8.0 Min Req = 2.1 (Truss)
Bearings U & V are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	1	-1	F - G	1144	-2779
B - C	981	-2208	G - H	1717	-4378
C - D	1124	-2604	H - I	1726	-4390
D - E	1116	-2594	I - J	1774	-4660
E - F	1144	-2779	J - K	2	-1

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
U - T	0	0	P - O	3128	-1257
T - S	70	-36	O - N	4395	-1676
S - R	2116	-937	N - M	93	-42
R - Q	2408	-1015	M - L	0	0
Q - P	2408	-1015			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - T	549	-1197	P - G	234	-721
B - S	2051	-900	G - O	2172	-771
S - C	227	-436	O - H	113	-141
C - R	359	-118	O - I	66	-281
D - R	115	-145	I - N	89	0
R - E	73	-64	N - J	4416	-1667
E - P	766	-267	J - M	982	-2526
F - P	72	-78			

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #2; B2 2x6 SP M-26;
Webs: 2x4 SP #2; W1,W5,W10 2x6 SP #2;
W9 2x4 SP #1;

Nailnote

Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 6.75" o.c.
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	90 plf at	0.00 to	90 plf at	33.33
BC: From	20 plf at	0.00 to	20 plf at	22.67
BC: From	10 plf at	22.67 to	10 plf at	28.92
BC: From	20 plf at	28.92 to	20 plf at	33.33

BC: 3476 lb Conc. Load at 22.67
BC: 1389 lb Conc. Load at 24.92,26.92,28.92

Wind

Wind loads and reactions based on MWFRS.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

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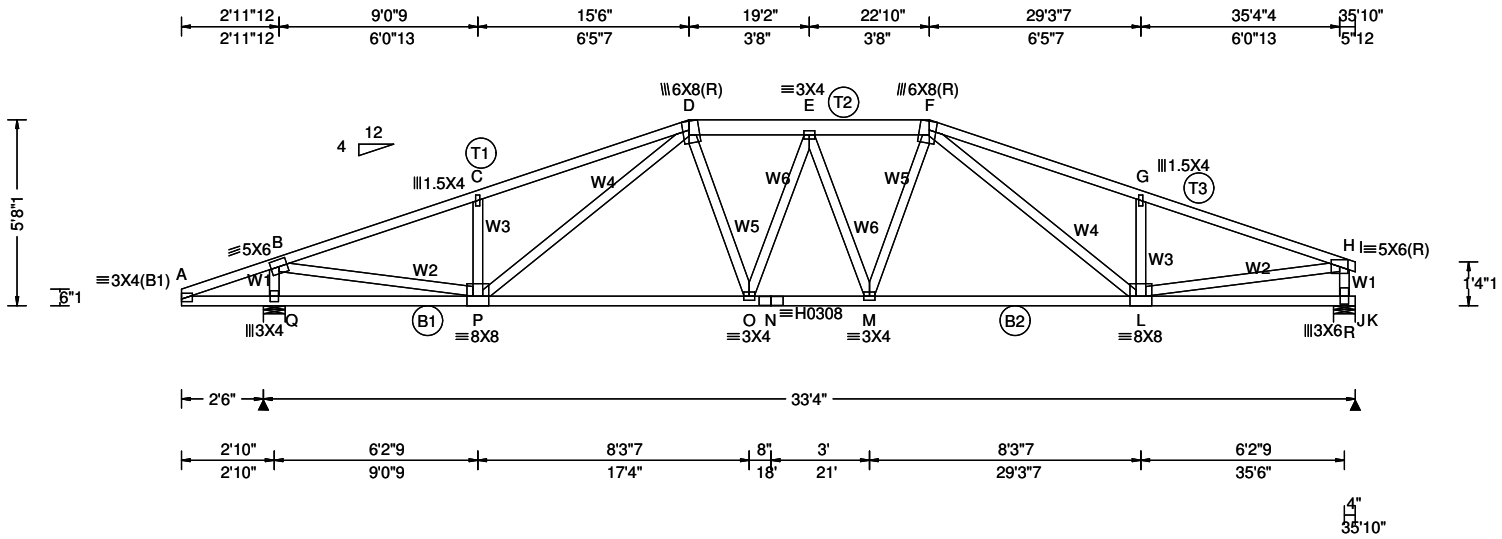
SEQN: 136808 / T28 / HIPS	Ply: 1	**Job Number:** 23081008	
FROM: AE	Qty: 1	5900 RES.	DRW:
	Wgt: 204.4 lbs	**Truss Label:** 2H16	... / ... 07/25/2024



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 30.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 15.00	Speed: 175 mph	Pf: NA Ce: NA	VERT(LL): 0.180 E 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.332 E 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.049 K - -
Des Ld: 55.00	EXP: C Kzt: NA		HORZ(TL): 0.092 K - -
NCBCLL: 10.00	Mean Height: 26.51 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 6.0 psf	FBC 8th Ed. 2023 Res. HVHZ	Max TC CSI: 0.730
Load Duration: 1.25	BCDL: 6.0 psf	TPI Std: 2014	Max BC CSI: 0.808
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.953
	C&C Dist a: 3.58 ft	FT/RT:20(0)/10(0)	Mfg Specified Camber:
	Loc. from endwall: not in 9.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE, HS	VIEW Ver: 23.02.01A.1204.18
	Wind Duration: 1.60		

Lumber

Top chord: 2x4 SP #2; T2 2x6 SP #2;
T3 2x4 SP #1;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind

Member design based on both MWFRS and C&C.

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Q	2130	/-	/-	/1085	/960	/174
R	1819	/-	/-	/859	/800	/-

Wind reactions based on C&C
Q Brg Wid = 8.0 Min Req = 2.5 (Truss)
R Brg Wid = 8.0 Min Req = 2.1 (Truss)
Bearings Q & K are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	309	- 210	E - F	1690	- 2745
B - C	1529	- 3127	F - G	1677	- 3243
C - D	1652	- 3124	G - H	1545	- 3237
D - E	1706	- 2738	H - I	5	0

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - Q	201	- 242	N - M	2784	- 1528
Q - P	226	- 204	M - L	2663	- 1398
P - O	2648	- 1455	L - K	76	- 29
O - N	2784	- 1528	K - J	0	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
Q - B	946	- 2007	E - M	276	- 149
B - P	2823	- 1292	M - F	279	- 205
C - P	319	- 565	F - L	572	- 247
P - D	528	- 230	L - G	347	- 620
D - O	308	- 218	L - H	2966	- 1399
O - E	288	- 169	H - K	827	- 1761

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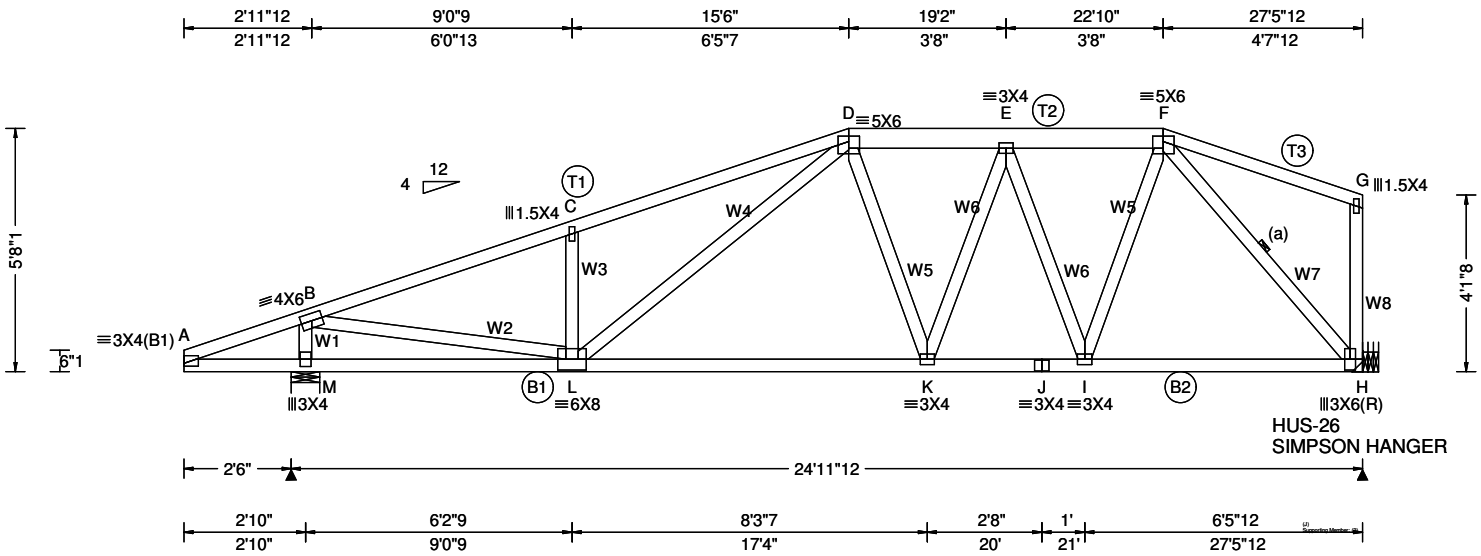
SEQN: 136829 / T37 / HIPS FROM: AE	Ply: 1 Qty: 1 Wgt: 166.6 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 2H16A	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 26.51 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.077	C	999	360
VERT(CL): 0.143	C	999	240
HORZ(LL): 0.022	H	-	-
HORZ(TL): 0.042	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.637
Max BC CSI: 0.649
Max Web CSI: 0.686
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
M	1685	/-	/-	/901	/841	/233
H	1347	/-	/-	/636	/914	/-

Wind reactions based on C&C
M Brg Wid = 8.0 Min Req = 2.0 (Truss)
H Brg Wid = - Min Req = -
Bearing M is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	318	- 223	D - E	1140	- 1525
B - C	1089	- 2223	E - F	972	- 1197
C - D	1215	- 2223	F - G	76	- 83

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - M	213	- 251	K - J	1415	- 1028
M - L	225	- 277	J - I	1415	- 1028
L - K	1587	- 1038	I - H	943	- 694

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
M - B	825	- 1567	K - E	392	- 123
B - L	2014	- 1006	E - I	575	- 673
C - L	367	- 576	I - F	774	- 507
L - D	649	- 258	F - H	1046	- 1413
D - K	200	- 260	G - H	158	- 222

Lumber

Top chord: 2x4 SP #2; T2 2x6 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

Wind

Member design based on both MWFRS and C&C.

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

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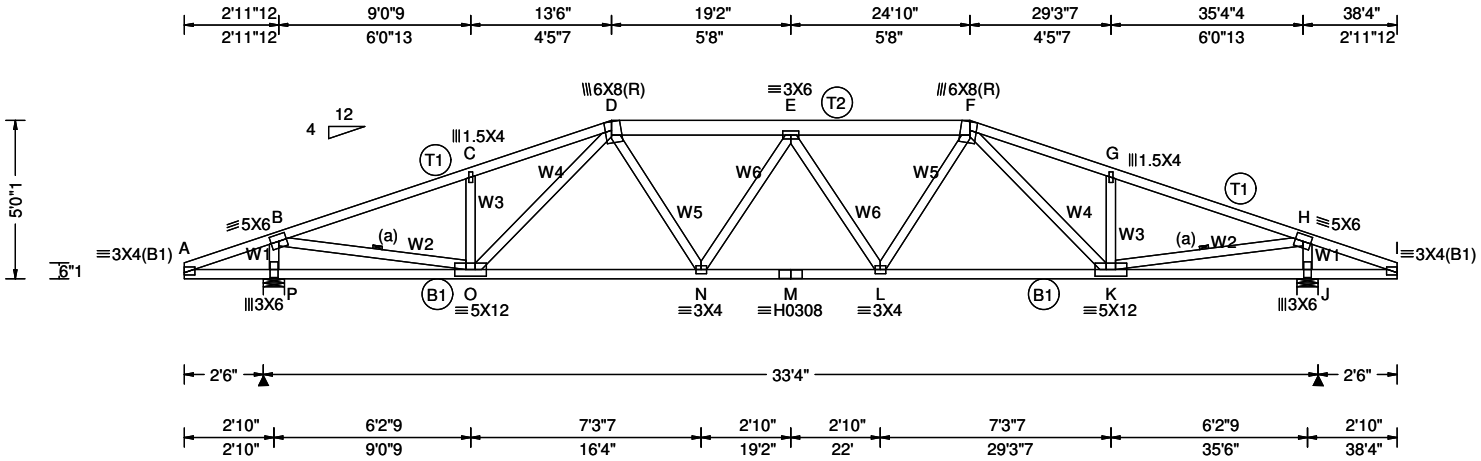
SEQN: 136798 / T33 / HIPS FROM: AE	Ply: 1 Qty: 1 Wgt: 210.0 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 2H14	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 26.17 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.83 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.189	E	999	360
VERT(CL): 0.348	E	999	240
HORZ(LL): 0.052	J	-	-
HORZ(TL): 0.097	J	-	-

Creep Factor: 2.0
Max TC CSI: 0.631
Max BC CSI: 0.784
Max Web CSI: 0.999
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
P	2116	/-	/-	/1107	/1066	/139
J	2116	/-	/-	/1107	/1066	/-

Wind reactions based on C&C
P Brg Wid = 8.0 Min Req = 2.5 (Truss)
J Brg Wid = 8.0 Min Req = 2.5 (Truss)
Bearings P & J are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	297	- 204	E - F	2074	- 2974
B - C	1773	- 3054	F - G	1878	- 3020
C - D	1878	- 3020	G - H	1773	- 3054
D - E	2074	- 2974	H - I	297	- 204

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - P	194	- 232	M - L	3149	- 2026
P - O	249	- 174	L - K	2717	- 1651
O - N	2717	- 1699	K - J	249	- 203
N - M	3149	- 2026	J - I	194	- 229

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
P - B	1057	- 1990	E - L	487	- 355
B - O	2736	- 1474	L - F	509	- 401
C - O	284	- 463	F - K	510	- 168
O - D	510	- 168	K - G	283	- 463
D - N	509	- 401	K - H	2736	- 1473
N - E	487	- 355	H - J	1058	- 1990

Lumber

Top chord: 2x4 SP #2; T2 2x6 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

Member design based on both MWFRS and C&C.

Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

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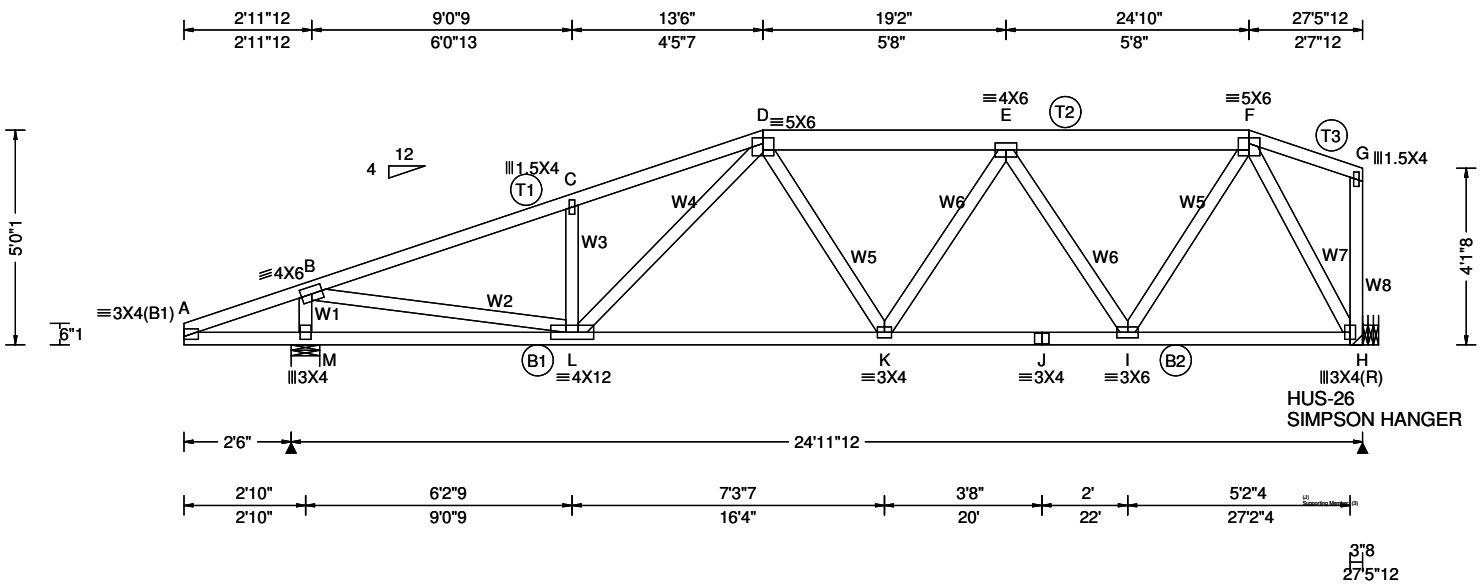
SEQN: 136832 / T29 / HIPS FROM: AE	Ply: 1 Qty: 1 Wgt: 162.4 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 2H14A	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 26.17 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.073	D	999	360
VERT(CL): 0.134	D	999	240
HORZ(LL): -0.023	H	-	-
HORZ(TL): 0.044	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.610
Max BC CSI: 0.549
Max Web CSI: 0.801
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber
Top chord: 2x4 SP #2; T2 2x6 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Hangers / Ties
(J) Hanger Support Required, by others

Wind
Member design based on both MWFRS and C&C.
Right end vertical not exposed to wind pressure.
Left cantilever is exposed to wind
Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
M	1685	/-	/-	/913	/946	/241
H	1342	/-	/-	/630	/1144	/-

Wind reactions based on C&C
M Brg Wid = 8.0 Min Req = 2.0 (Truss)
H Brg Wid = - Min Req = -
Bearing M is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	305	- 218	D - E	1550	- 1744
B - C	1428	- 2194	E - F	1111	- 1199
C - D	1535	- 2164	F - G	49	- 43

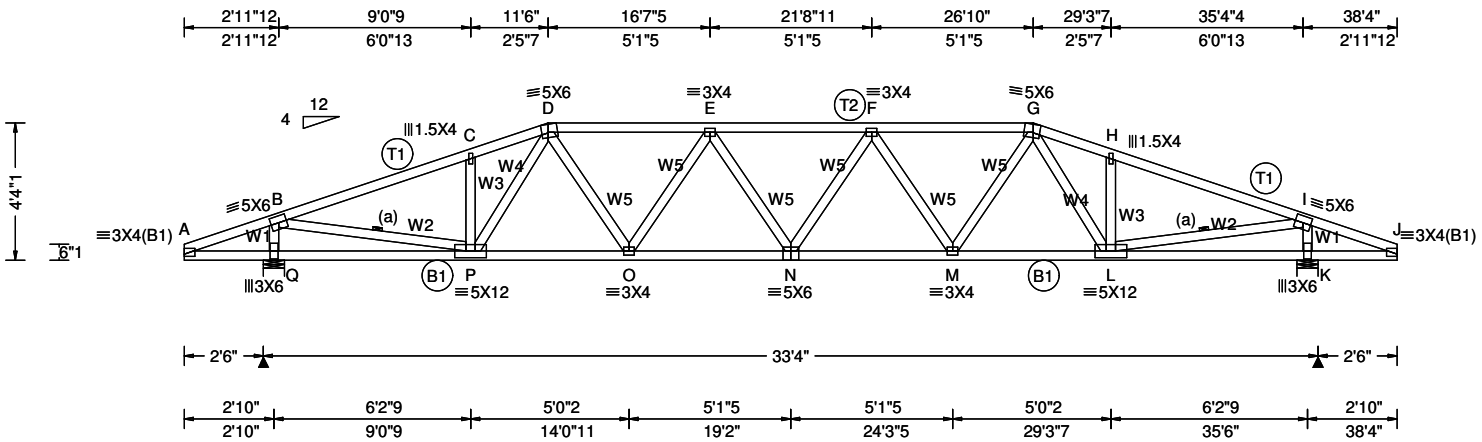
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - M	209	- 238	K - J	1656	- 1553
M - L	212	- 333	J - I	1656	- 1553
L - K	1745	- 1487	I - H	671	- 611

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
M - B	936	- 1564	K - E	406	- 50
B - L	1953	- 1176	E - I	950	- 881
C - L	308	- 478	I - F	1012	- 862
L - D	603	- 189	F - H	1236	- 1351
D - K	156	- 263	G - H	113	- 124

SEQN: 136788 / T31 / HIPS FROM: AE	Ply: 1 Qty: 1 Wgt: 205.8 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 2H12	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 25.84 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.83 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.237	N	999	360
VERT(CL): 0.437	N	897	240
HORZ(LL): 0.057	K	-	-
HORZ(TL): 0.107	K	-	-

Creep Factor: 2.0
Max TC CSI: 0.805
Max BC CSI: 0.806
Max Web CSI: 0.912
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Bracing
(a) Continuous lateral restraint equally spaced on member.

Wind
Member design based on both MWFRS and C&C.
Left and right cantilevers are exposed to wind
Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Q	2116	/-	/-	/1119	/1192	/119
K	2116	/-	/-	/1119	/1192	/-

Wind reactions based on C&C
Q Brg Wid = 8.0 Min Req = 2.5 (Truss)
K Brg Wid = 8.0 Min Req = 2.5 (Truss)
Bearings Q & K are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	285	- 201	F - G	2445	- 3175
B - C	2059	- 3036	G - H	2152	- 2987
C - D	2152	- 2987	H - I	2059	- 3036
D - E	2444	- 3175	I - J	285	- 201
E - F	2716	- 3529			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - Q	191	- 222	N - M	3503	- 2517
Q - P	264	- 199	M - L	2779	- 1913
P - O	2779	- 1961	L - K	264	- 197
O - N	3503	- 2565	K - J	191	- 219

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
Q - B	1190	- 1981	N - F	121	- 9
B - P	2700	- 1716	F - M	695	- 632
C - P	275	- 408	M - G	759	- 636
P - D	509	- 150	G - L	509	- 149
D - O	759	- 636	L - H	274	- 408
O - E	695	- 632	L - I	2700	- 1715
E - N	121	- 9	I - K	1190	- 1981

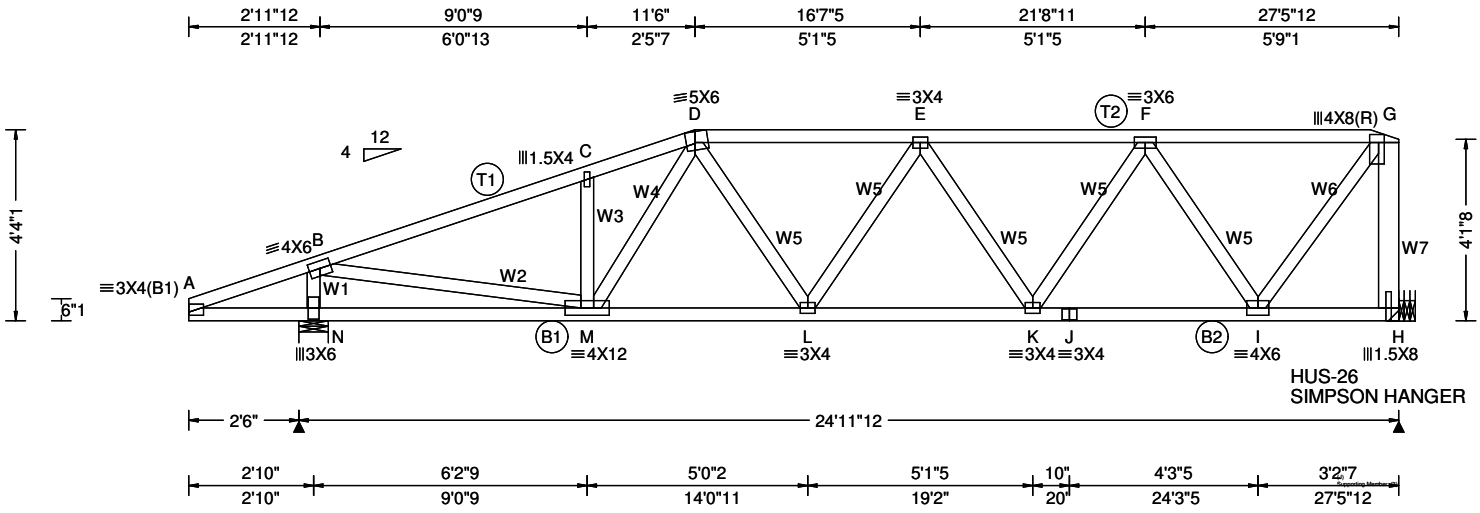
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 136795 / T60 / HIPS FROM: AE	Ply: 1 Qty: 1 Wgt: 154.0 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 2H12A	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 25.84 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.088	L	999	360
VERT(CL): 0.162	L	999	240
HORZ(LL): -0.028	H	-	-
HORZ(TL): 0.048	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.870
Max BC CSI: 0.497
Max Web CSI: 0.932
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
N	1685 /-	/-	/919	/1050	/346
H	1347 /-	/-	/615	/1312	/-

Wind reactions based on C&C
N Brg Wid = 8.0 Min Req = 2.0 (Truss)
H Brg Wid = - Min Req = -
Bearing N is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	294	-217	D - E	1895	-1993
B - C	1671	-2177	E - F	1805	-1821
C - D	1756	-2130	F - G	868	-883

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - N	207	-228	K - J	1523	-1586
N - M	209	-398	J - I	1523	-1586
M - L	1868	-1759	I - H	68	-68
L - K	2053	-2064			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
N - B	1044	-1556	E - K	487	-435
B - M	1918	-1368	K - F	558	-409
C - M	412	-414	F - I	1346	-1198
M - D	580	-178	I - G	1372	-1345
D - L	246	-381	G - H	1324	-1326
L - E	444	-124			

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2; W7 2x6 SP #2;

Hangers / Ties

(J) Hanger Support Required, by others

Wind

Member design based on both MWFRS and C&C.

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

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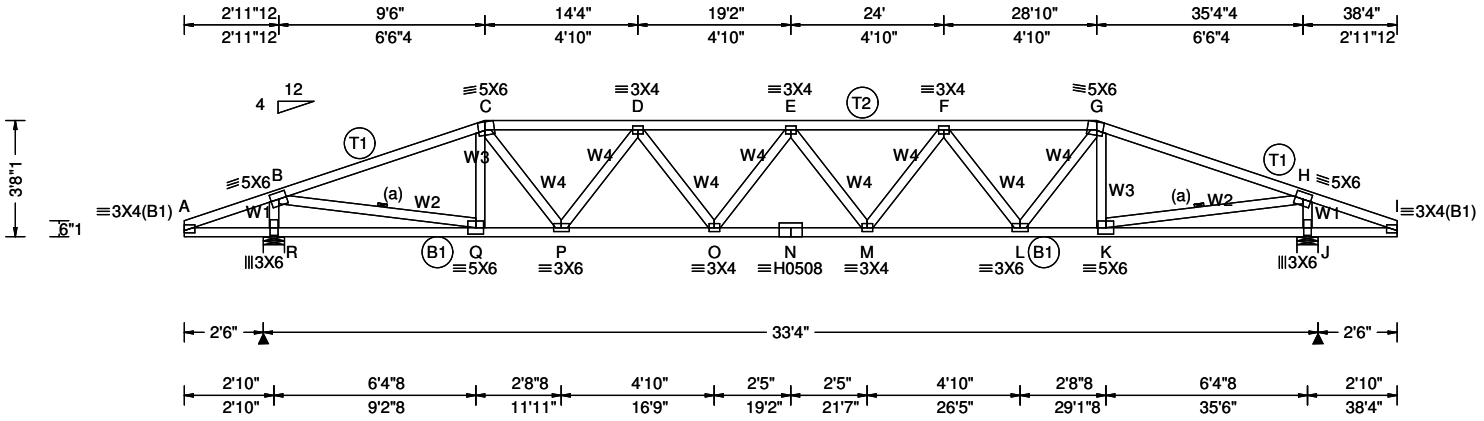
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 136782 / T41 / HIPS FROM: AE	Ply: 1 Qty: 1 Wgt: 198.8 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 2H10	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 25.51 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.83 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.305	E	999	360
VERT(CL): 0.562	E	697	240
HORZ(LL): 0.066	J	-	-
HORZ(TL): 0.125	J	-	-

Creep Factor: 2.0
Max TC CSI: 0.853
Max BC CSI: 0.969
Max Web CSI: 0.818
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Bracing
(a) Continuous lateral restraint equally spaced on member.

Wind
Member design based on both MWFRS and C&C.
Left and right cantilevers are exposed to wind
Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
R	2116	/-	/-	/1126	/1317	/98
J	2116	/-	/-	/1126	/1317	/-

Wind reactions based on C&C
R Brg Wid = 8.0 Min Req = 2.5 (Truss)
J Brg Wid = 8.0 Min Req = 2.5 (Truss)
Bearings R & J are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	274	- 201	E - F	3403	- 4130
B - C	2322	- 3031	F - G	2790	- 3387
C - D	2790	- 3387	G - H	2322	- 3031
D - E	3403	- 4130	H - I	274	- 201

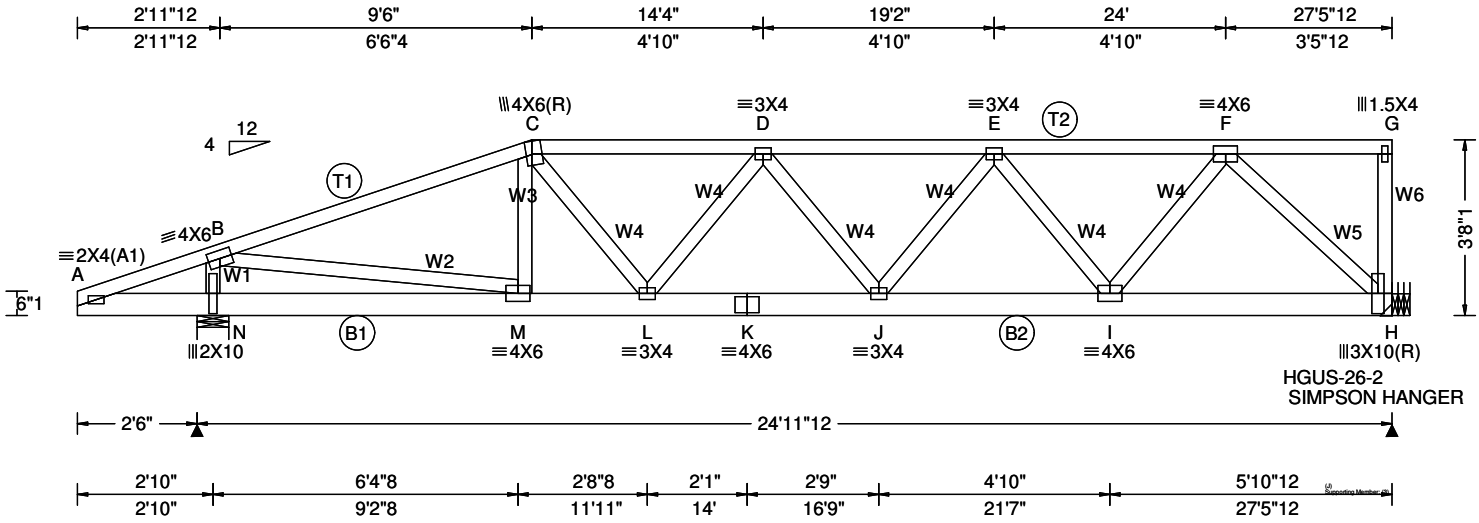
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - R	191	- 214	N - M	4283	- 3405
R - Q	298	- 262	M - L	3906	- 3072
Q - P	2817	- 2155	L - K	2817	- 2107
P - O	3906	- 3120	K - J	298	- 215
O - N	4283	- 3405	J - I	191	- 212

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
R - B	1342	- 1979	E - M	356	- 281
B - Q	2656	- 1948	M - F	403	- 280
Q - C	445	- 416	F - L	944	- 913
C - P	1001	- 913	L - G	1001	- 913
P - D	944	- 913	G - K	445	- 416
D - O	403	- 280	K - H	2656	- 1949
O - E	356	- 281	H - J	1342	- 1979

SEQN: 139974 / T85 / HIPM FROM: AE	Ply: 2 Qty: 1 Wgt: 275.8 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 2MHG10	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 25.51 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	-0.132 D	999	360
VERT(CL):	0.187 D	999	240
HORZ(LL):	-0.027 H	-	-
HORZ(TL):	0.038 H	-	-

Creep Factor: 2.0
Max TC CSI: 0.554
Max BC CSI: 0.622
Max Web CSI: 0.429
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
N	2714 /-	/-	/-	/2038	/-
H	2716 /-	/-	/-	/2028	/-

Wind reactions based on MWFRS
N Brg Wid = 8.0 Min Req = 1.6 (Truss)
H Brg Wid = - Min Req = -
Bearing N is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	130	- 79	D - E	1948	- 2555
B - C	1715	- 2134	E - F	1464	- 1950
C - D	1887	- 2405	F - G	5	- 7

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - N	84	- 99	K - J	2513	- 1945
N - M	182	- 156	J - I	2294	- 1741
M - L	1986	- 1591	I - H	1196	- 902
L - K	2513	- 1945			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
N - B	1001	- 1241	J - E	441	- 349
B - M	1821	- 1452	E - I	468	- 583
M - C	45	- 116	I - F	1275	- 951
C - L	708	- 501	F - H	1236	- 1639
L - D	98	- 183	G - H	27	- 32
D - J	71	- 59			

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #2;

Nailnote

Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 90 plf at 0.00 to 90 plf at 9.50
TC: From 45 plf at 9.50 to 45 plf at 27.48
BC: From 20 plf at 0.00 to 20 plf at 9.46
BC: From 10 plf at 9.46 to 10 plf at 27.48
TC: 173 lb Conc. Load at 10.15,12.15,14.15,16.15 18.15,20.15,22.15,24.15,26.15
BC: 296 lb Conc. Load at 9.46
BC: 171 lb Conc. Load at 10.15,12.15,14.15,16.15 18.15,20.15,22.15,24.15,26.15

Hangers / Ties

(J) Hanger Support Required, by others

Wind

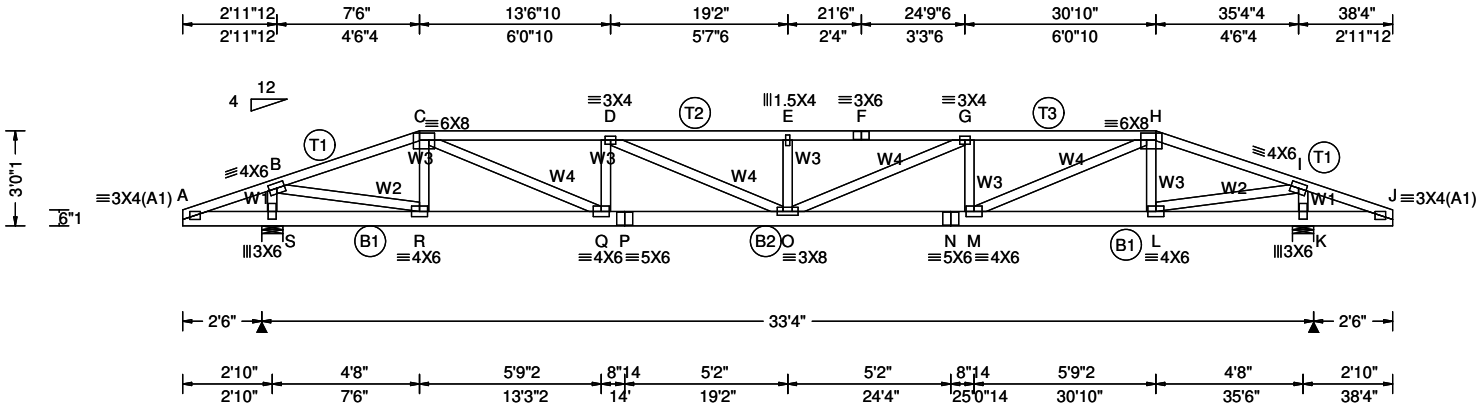
Wind loads and reactions based on MWFRS.

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

SEQN: 140013 / T98 / HIPS FROM: AE	Ply: 2 Qty: 1 Wgt: 219.8 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 2HG8	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 25.17 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.83 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.330 E	999	360
VERT(CL):	0.606 E	647	240
HORZ(LL):	0.059 C	-	-
HORZ(TL):	0.108 C	-	-

Creep Factor: 2.0
Max TC CSI: 0.485
Max BC CSI: 0.808
Max Web CSI: 0.447
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
S	2887 /-	/-	/-	/1674	/-
K	2887 /-	/-	/-	/1674	/-

Wind reactions based on MWFRS
S Brg Wid = 8.0 Min Req = 1.7 (Truss)
K Brg Wid = 8.0 Min Req = 1.7 (Truss)
Bearings S & K are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	159	- 31	F - G	2336	- 4097
B - C	1298	- 2161	G - H	2059	- 3584
C - D	2059	- 3584	H - I	1298	- 2161
D - E	2336	- 4097	I - J	159	- 31
E - F	2336	- 4097			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - S	13	- 129	O - N	3624	- 2083
S - R	89	- 96	N - M	3624	- 2083
R - Q	2016	- 1207	M - L	2016	- 1207
Q - P	3623	- 2083	L - K	89	- 96
P - O	3623	- 2083	K - J	13	- 129

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
S - B	832	- 1362	O - G	523	- 280
B - R	1982	- 1173	G - M	215	- 355
C - R	106	- 208	M - H	1724	- 937
C - Q	1723	- 937	H - L	106	- 207
Q - D	215	- 355	L - I	1982	- 1173
D - O	523	- 280	I - K	832	- 1362
E - O	87	- 122			

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #2;

Nailnote

Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 90 plf at 0.00 to 90 plf at 7.50
TC: From 45 plf at 7.50 to 45 plf at 30.83
TC: From 90 plf at 30.83 to 90 plf at 38.33
BC: From 20 plf at 0.00 to 20 plf at 7.46
BC: From 10 plf at 7.46 to 10 plf at 30.88
BC: From 20 plf at 30.88 to 20 plf at 38.33
TC: 132 lb Conc. Load at 8.09,10.09,12.09,14.09 16.09,18.09,20.24,22.24,24.24,26.24,28.24,30.24
BC: 124 lb Conc. Load at 7.46,30.88
BC: 84 lb Conc. Load at 8.09,10.09,12.09,14.09 16.09,18.09,20.24,22.24,24.24,26.24,28.24,30.24

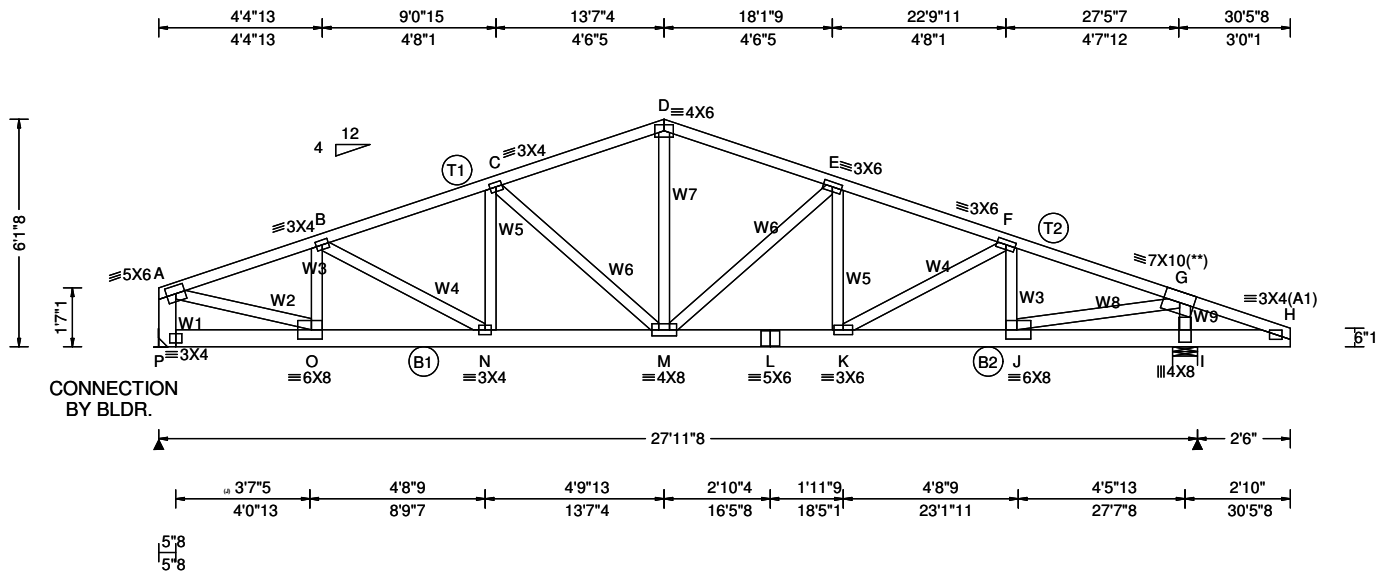
Wind

Wind loads and reactions based on MWFRS.

Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

SEQN: 201396 / T109 / SPEC FROM: AE	Ply: 1 Qty: 1 Wgt: 40.6 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 3TG	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 26.73 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.05 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.167	K	999	360
VERT(CL): 0.306	K	999	240
HORZ(LL): 0.039	I	-	-
HORZ(TL): 0.073	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.759
Max BC CSI: 0.878
Max Web CSI: 0.904
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
P	1819	/-	/-	/-	/1057	/-
I	3685	/-	/-	/-	/1858	/-

Wind reactions based on MWFRS
P Brg Wid = - Min Req = -
I Brg Wid = 8.0 Min Req = 4.3 (Truss)
Bearing I is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	1591	- 2765	E - F	2070	- 3912
B - C	1760	- 3104	F - G	2594	- 5373
C - D	1549	- 2796	G - H	110	- 369
D - E	1549	- 2797			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
P - O	87	- 59	L - K	3602	- 1897
O - N	2632	- 1509	K - J	4954	- 2395
N - M	2885	- 1622	J - I	621	- 186
M - L	3602	- 1897	I - H	348	- 87

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - P	1051	- 1763	D - M	1325	- 599
A - O	2587	- 1464	E - K	856	- 241
O - B	485	- 679	K - F	565	- 1519
B - N	291	- 125	F - J	1105	- 190
N - C	153	- 52	J - G	4638	- 2287
C - M	282	- 405	G - I	1693	- 3140
M - E	656	- 1376			

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #2; W1 2x6 SP #2; W8 2x4 SP #1;

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	90 plf at	0.00 to	90 plf at	30.46
BC: From	20 plf at	0.46 to	20 plf at	23.31
BC: From	10 plf at	23.31 to	10 plf at	25.37
BC: From	20 plf at	25.37 to	20 plf at	30.46

BC: 1890 lb Conc. Load at 23.31
BC: 284 lb Conc. Load at 25.37

Plating Notes

(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Wind

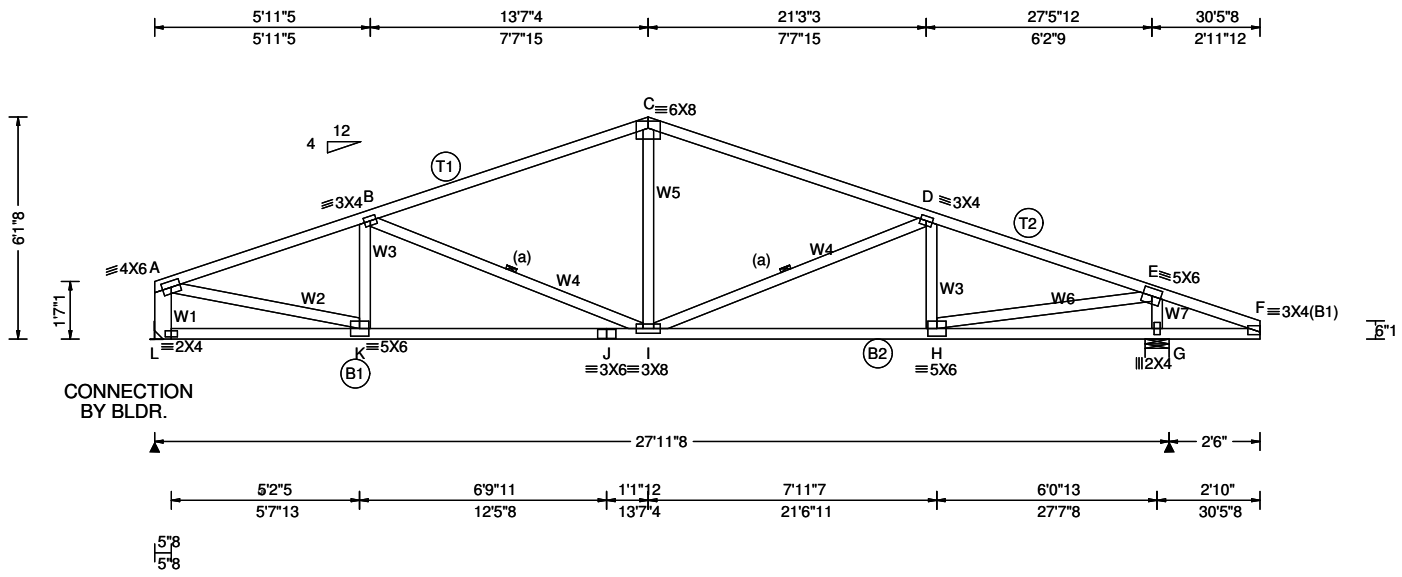
Wind loads and reactions based on MWFRS.

Left end vertical not exposed to wind pressure.

Right cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

SEQN: 136855 / T89 / COMN FROM: GO	Ply: 1 Qty: 8 Wgt: 133.0 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 3T	DRW: ... / ... 07/25/2024



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 30.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 15.00	Speed: 175 mph	Pf: NA Ce: NA	VERT(LL): 0.116 I 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.214 I 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.033 G - -
Des Ld: 55.00	EXP: C Kzt: NA		HORZ(TL): 0.063 G - -
NCBCLL: 10.00	Mean Height: 26.73 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 6.0 psf	FBC 8th Ed. 2023 Res. HVHZ	Max TC CSI: 0.871
Load Duration: 1.25	BCDL: 6.0 psf	TPI Std: 2014	Max BC CSI: 0.761
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes	Max Web CSI: 0.521
	C&C Dist a: 3.05 ft	FT/RT:20(0)/10(0)	Mfg Specified Camber:
	Loc. from endwall: not in 9.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 23.02.01A.1204.18
	Wind Duration: 1.60		

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2; W1 2x6 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

Member design based on both MWFRS and C&C.

Left end vertical not exposed to wind pressure.

Right cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
L	1503	/-	/-	/980	/525	/187
G	1847	/-	/-	/1164	/669	/-

Wind reactions based on C&C
L Brg Wid = - Min Req = -
G Brg Wid = 8.0 Min Req = 2.2 (Truss)
Bearing G is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	855	- 2447	D - E	889	- 2537
B - C	799	- 2087	E - F	316	- 224
C - D	799	- 2087			

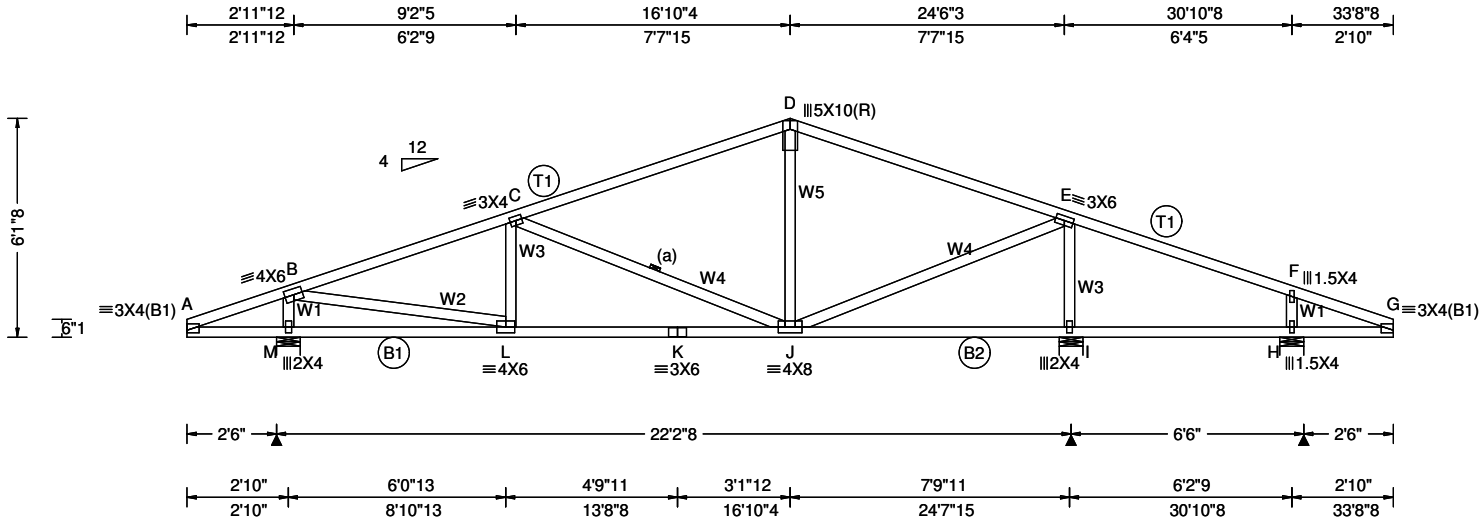
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
L - K	193	- 136	I - H	2354	- 729
K - J	2282	- 700	H - G	203	- 211
J - I	2282	- 700	G - F	216	- 250

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - L	542	- 1464	I - D	297	- 518
A - K	2214	- 717	D - H	232	- 323
K - B	253	- 357	H - E	2306	- 690
B - I	274	- 444	E - G	662	- 1723
C - I	552	- 107			

SEQN: 136847 / T121 / COMN FROM: AE	Ply: 1 Qty: 1 Wgt: 156.8 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 3TA	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 26.73 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.37 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.059	C	999	360
VERT(CL): 0.109	C	999	240
HORZ(LL): 0.012	J	-	-
HORZ(TL): 0.023	J	-	-

Creep Factor: 2.0
Max TC CSI: 0.880
Max BC CSI: 0.654
Max Web CSI: 0.485
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Bracing
(a) Continuous lateral restraint equally spaced on member.

Wind
Member design based on both MWFRS and C&C.
Left and right cantilevers are exposed to wind
Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
M	1506	/-	/-	/957	/545	/167
I	1692	/-	/-	/1078	/555	/-
H	606	/-	/-	/342	/256	/-

Wind reactions based on C&C
M Brg Wid = 8.0 Min Req = 1.8 (Truss)
I Brg Wid = 8.0 Min Req = 2.0 (Truss)
H Brg Wid = 8.0 Min Req = 1.5 (Truss)
Bearings M, I, & H are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	324	- 220	D - E	546	- 1198
B - C	706	- 1802	E - F	315	- 166
C - D	546	- 1196	F - G	315	- 204

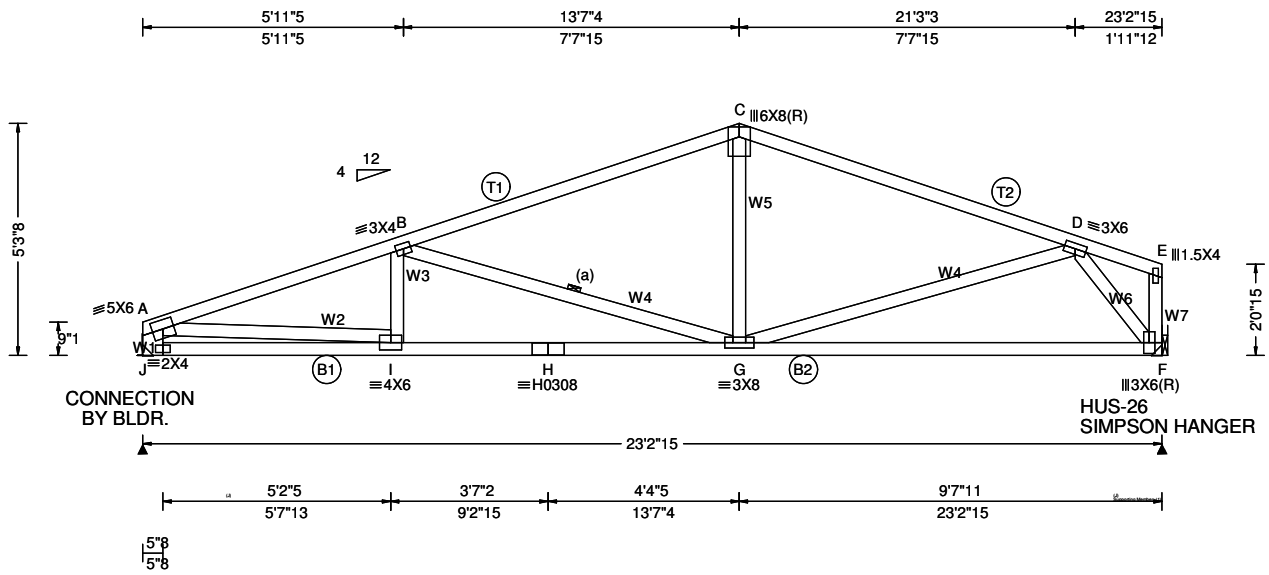
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - M	211	- 258	J - I	191	- 236
M - L	229	- 196	I - H	197	- 257
L - K	1648	- 549	H - G	194	- 249
K - J	1648	- 549			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
M - B	582	- 1388	D - J	183	- 47
B - L	1695	- 518	J - E	1231	- 393
L - C	196	- 197	E - I	637	- 1544
C - J	353	- 717	H - F	287	- 506

SEQN: 136858 / T72 / SPEC FROM: GO	Ply: 1 Qty: 1 Wgt: 126.0 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 3TB	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 27.27 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.104	B	999	360
VERT(CL): 0.190	B	999	240
HORZ(LL): 0.026	F	-	-
HORZ(TL): 0.048	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.878
Max BC CSI: 0.721
Max Web CSI: 0.483
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
J	1269	/-	/-	/821	/552	/161
F	1278	/-	/-	/833	/568	/-

Wind reactions based on C&C
J Brg Wid = - Min Req = -
F Brg Wid = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	1163	- 2681	C - D	829	- 1757
B - C	849	- 1758	D - E	66	- 44

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
J - I	341	- 262	H - G	2481	- 1116
I - H	2481	- 1116	G - F	1046	- 556

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - J	569	- 1223	G - D	545	- 103
A - I	2142	- 856	C - G	439	- 18
I - B	157	- 52	D - F	914	- 1647
B - G	524	- 959	E - F	91	- 97

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B2 2x4 SP #1;
Webs: 2x4 SP #2; W1 2x6 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

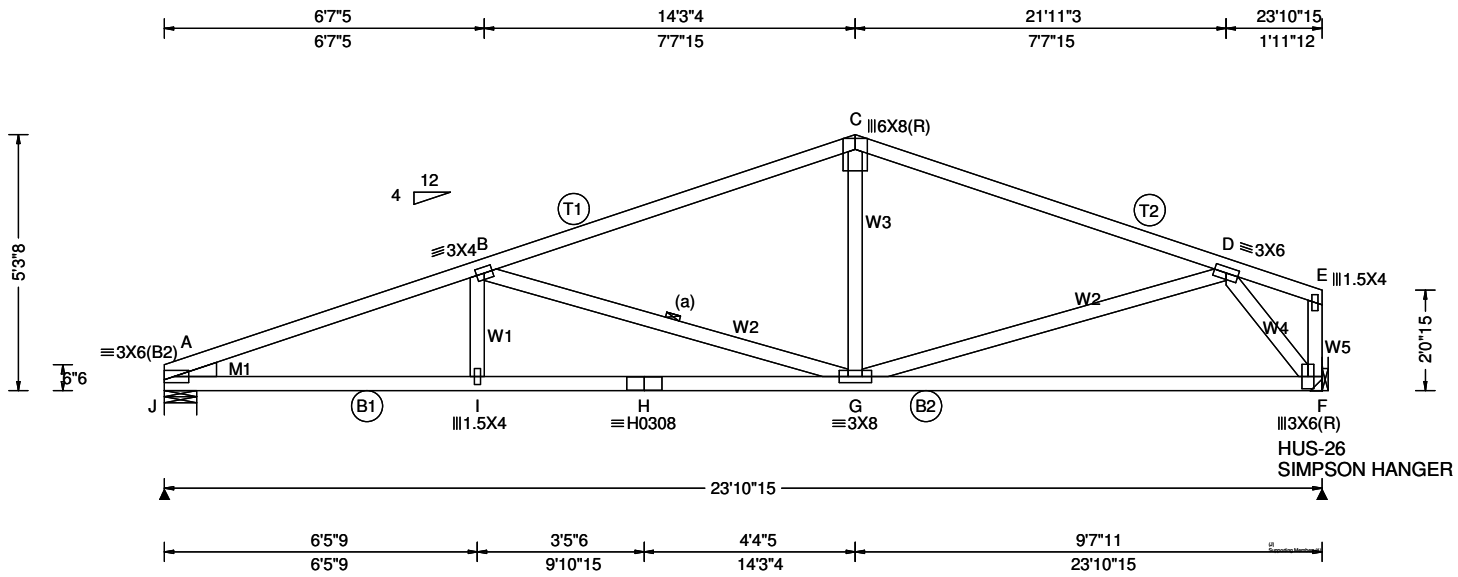
Wind

Member design based on both MWFRS and C&C.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

SEQN: 136864 / T70 / SPEC FROM: GO	Ply: 1 Qty: 2 Wgt: 116.2 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 3TC	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 27.16 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.140	B	999	360
VERT(CL): 0.257	B	999	240
HORZ(LL): 0.040	F	-	-
HORZ(TL): 0.074	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.912
Max BC CSI: 0.920
Max Web CSI: 0.339
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
J	1321	/-	/-	/858	/539	/173
F	1310	/-	/-	/853	/557	/-

Wind reactions based on C&C
J Brg Wid = 8.0 Min Req = 1.6 (Truss)
F Brg Wid = - Min Req = -
Bearing J is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	1210	- 2888	C - D	823	- 1825
B - C	842	- 1823	D - E	66	- 43

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - I	2669	- 1138	H - G	2665	- 1142
I - H	2665	- 1142	G - F	1069	- 544

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
I - B	220	0	G - D	589	- 111
B - G	549	- 1084	D - F	895	- 1685
C - G	461	- 25	E - F	88	- 93

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B2 2x4 SP #1;
Webs: 2x4 SP #2;
Lt Wedge: 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

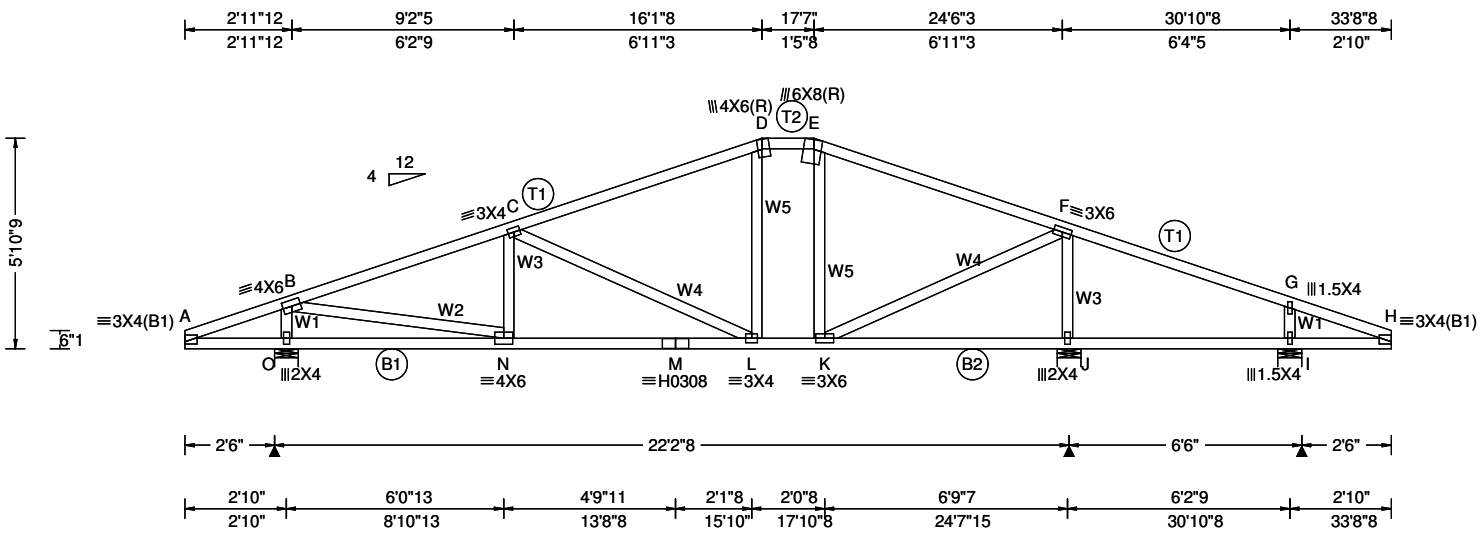
Wind

Member design based on both MWFRS and C&C.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

SEQN: 136844 / T113 / COMN FROM: AE	Ply: 1 Qty: 1 Wgt: 162.4 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 3H16	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 26.61 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.37 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.115	D	999	360
VERT(CL): 0.238	D	999	240
HORZ(LL): 0.031	D	-	-
HORZ(TL): 0.064	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.932
Max BC CSI: 0.785
Max Web CSI: 0.758
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind
Member design based on both MWFRS and C&C.
Left and right cantilevers are exposed to wind
Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
O	1523	/-	/-	/902	/570	/160
J	1611	/-	/-	/911	/540	/-
I	679	/-	/-	/380	/270	/-

Wind reactions based on C&C
O Brg Wid = 8.0 Min Req = 1.8 (Truss)
J Brg Wid = 8.0 Min Req = 1.9 (Truss)
I Brg Wid = 8.0 Min Req = 1.5 (Truss)
Bearings O, J, & I are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	329	- 220	E - F	581	- 1214
B - C	725	- 1855	F - G	324	- 192
C - D	598	- 1255	G - H	276	- 203
D - E	611	- 1070			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - O	211	- 262	L - K	1070	- 330
O - N	224	- 200	K - J	190	- 227
N - M	1698	- 596	J - I	196	- 235
M - L	1698	- 596	I - H	193	- 238

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
O - B	594	- 1413	E - K	196	- 279
B - N	1751	- 587	K - F	1202	- 478
N - C	207	- 182	F - J	657	- 1513
C - L	352	- 752	I - G	300	- 541
L - D	255	- 46			

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.

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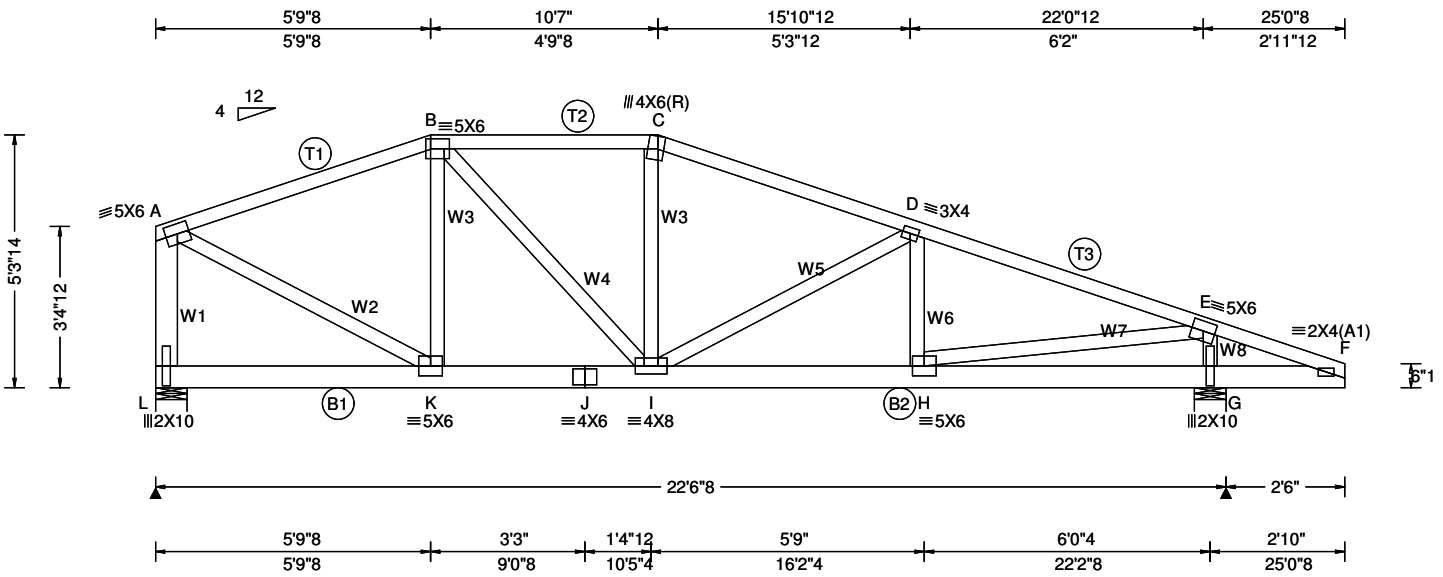
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 140010 / T48 / COMN FROM: AE	Ply: 2 Qty: 1 Wgt: 175.0 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 3HG14	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 26.33 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.095 H	999	360
VERT(CL):	0.175 H	999	240
HORZ(LL):	0.028 B	-	-
HORZ(TL):	0.051 B	-	-

Creep Factor: 2.0
Max TC CSI: 0.545
Max BC CSI: 0.969
Max Web CSI: 0.632
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
L	4490 /-	/-	/-	/2402	/-
G	3943 /-	/-	/-	/2292	/-

Wind reactions based on MWFRS
L Brg Wid = 8.0 Min Req = 2.6 (Truss)
G Brg Wid = 8.0 Min Req = 2.3 (Truss)
Bearings L & G are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	1125	-2142	D - E	1897	-3289
B - C	1309	-2436	E - F	145	-180
C - D	1388	-2567			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
L - K	63	-37	I - H	3043	-1742
K - J	2012	-1051	H - G	324	-190
J - I	2012	-1051	G - F	164	-114

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - L	933	-1751	I - D	511	-723
A - K	2197	-1142	D - H	420	-266
B - K	100	-117	H - E	2798	-1600
B - I	620	-376	E - G	1075	-1754
I - C	700	-345			

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #2; W1 2x6 SP #2;

Nailnote

Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 5.50" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	45 plf at	0.00 to	45 plf at	17.48	
TC: From	90 plf at	17.48 to	90 plf at	25.04	
BC: From	10 plf at	0.00 to	10 plf at	17.48	
BC: From	20 plf at	17.48 to	20 plf at	25.04	

BC: 1196 lb Conc. Load at 1.90
BC: 658 lb Conc. Load at 3.48
BC: 659 lb Conc. Load at 5.48
BC: 647 lb Conc. Load at 7.48
BC: 622 lb Conc. Load at 9.60,11.48,13.48,15.48
BC: 992 lb Conc. Load at 17.48

Wind

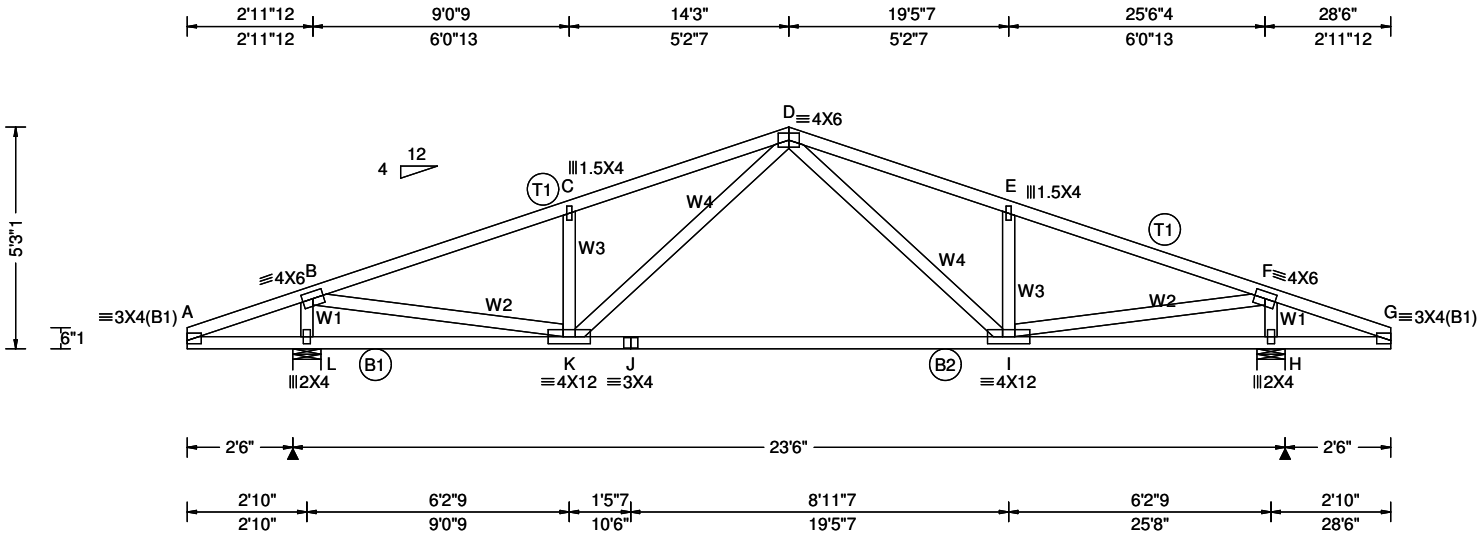
Wind loads and reactions based on MWFRS.

Left end vertical not exposed to wind pressure.

Right cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

SEQN: 136879 / T23 / COMN FROM: AE	Ply: 1 Qty: 3 Wgt: 137.2 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 4T	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.63 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.079	D	999	360
VERT(CL): 0.142	D	999	240
HORZ(LL): 0.018	C	-	-
HORZ(TL): 0.033	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.636
Max BC CSI: 0.947
Max Web CSI: 0.437
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Loading
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind
Member design based on both MWFRS and C&C.
Left and right cantilevers are exposed to wind
Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
L	1620	/-	/-	/998	/532	/140
H	1620	/-	/-	/998	/532	/-

Wind reactions based on C&C
L Brg Wid = 8.0 Min Req = 1.9 (Truss)
H Brg Wid = 8.0 Min Req = 1.9 (Truss)
Bearings L & H are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	350	- 188	D - E	839	- 2082
B - C	714	- 2096	E - F	713	- 2096
C - D	839	- 2082	F - G	350	- 189

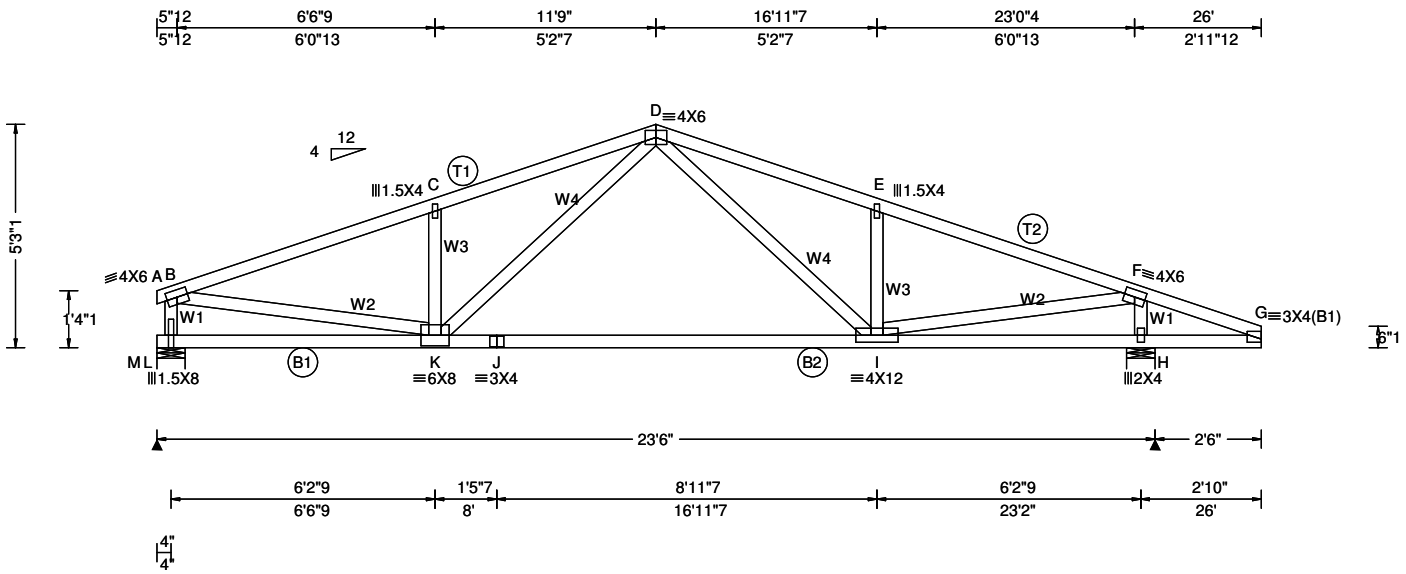
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - L	179	- 279	J - I	1456	- 390
L - K	193	- 205	I - H	171	- 206
K - J	1456	- 390	H - G	180	- 279

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
L - B	589	- 1549	D - I	613	- 199
B - K	1933	- 500	I - E	346	- 525
C - K	346	- 525	I - F	1934	- 499
K - D	613	- 199	F - H	589	- 1550

SEQN: 136882 / T14 / SPEC FROM: AE	Ply: 1 Qty: 2 Wgt: 128.8 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 4TA	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.63 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.087	C	999	360
VERT(CL): 0.157	C	999	240
HORZ(LL): 0.018	C	-	-
HORZ(TL): 0.033	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.881
Max BC CSI: 0.957
Max Web CSI: 0.451
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
M	1317	/-	/-	/835	/392	/154
H	1637	/-	/-	/1004	/586	/-

Wind reactions based on C&C
M Brg Wid = 8.0 Min Req = 1.6 (Truss)
H Brg Wid = 8.0 Min Req = 1.9 (Truss)
Bearings M & H are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	5	0	D - E	765	-2139
B - C	658	-2223	E - F	649	-2152
C - D	774	-2220	F - G	350	-198

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
M - L	0	0	J - I	1516	-374
L - K	167	-123	I - H	174	-204
K - J	1516	-374	H - G	190	-279

Maximum Web Forces Per Ply (lbs)

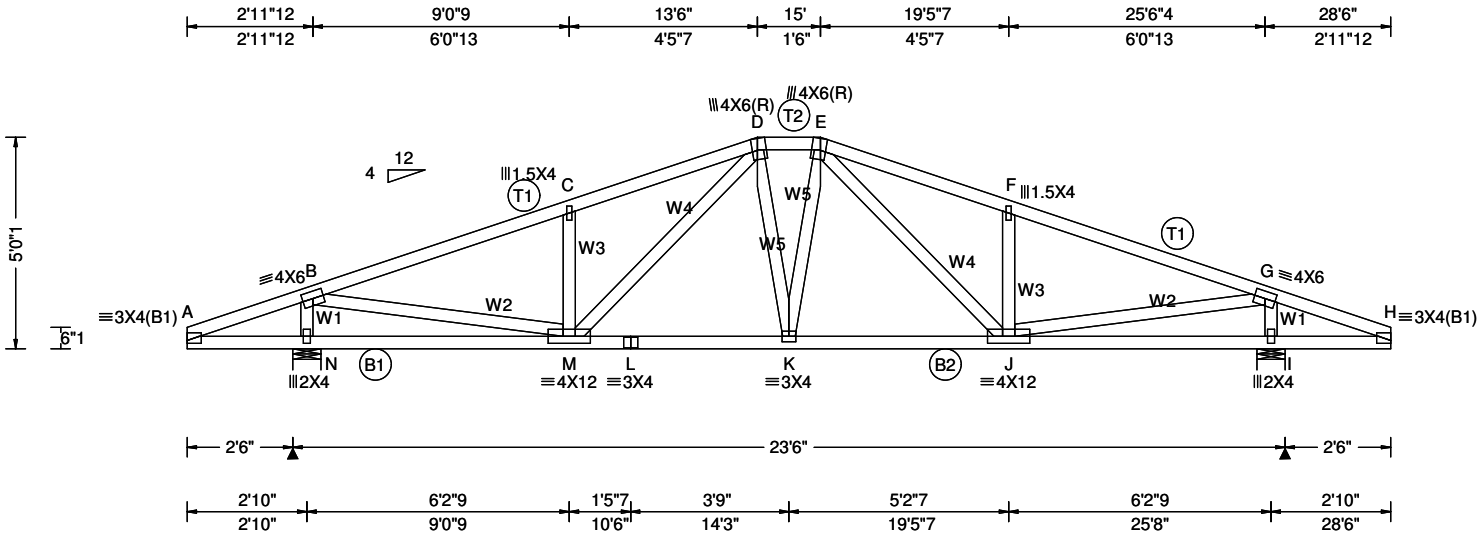
Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - L	417	-1283	D - I	603	-168
B - K	1997	-534	I - E	316	-528
C - K	346	-584	I - F	1966	-546
K - D	710	-204	F - H	572	-1566

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Loading
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind
Member design based on both MWFRS and C&C.
Left end vertical not exposed to wind pressure.
Right cantilever is exposed to wind
Wind loading based on both gable and hip roof types.

SEQN: 136873 / T9 / HIPS FROM: AE	Ply: 1 Qty: 1 Wgt: 154.0 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 4H14	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.51 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.073	K	999	360
VERT(CL): 0.134	K	999	240
HORZ(LL): 0.016	C	-	-
HORZ(TL): 0.030	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.595
Max BC CSI: 0.398
Max Web CSI: 0.405
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind
Member design based on both MWFRS and C&C.
Left and right cantilevers are exposed to wind
Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
N	1578	/-	/-	/904	/562	/133
I	1578	/-	/-	/904	/562	/-

Wind reactions based on C&C
N Brg Wid = 8.0 Min Req = 1.9 (Truss)
I Brg Wid = 8.0 Min Req = 1.9 (Truss)
Bearings N & I are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	300	- 200	E - F	847	- 1931
B - C	728	- 1948	F - G	728	- 1948
C - D	847	- 1931	G - H	300	- 201
D - E	682	- 1473			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - N	190	- 234	K - J	1465	- 443
N - M	198	- 168	J - I	184	- 181
M - L	1465	- 466	I - H	191	- 234
L - K	1465	- 466			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
N - B	606	- 1448	K - E	142	- 61
B - M	1747	- 593	E - J	427	- 218
C - M	336	- 514	J - F	336	- 514
M - D	427	- 218	J - G	1747	- 594
D - K	142	- 61	G - I	606	- 1448

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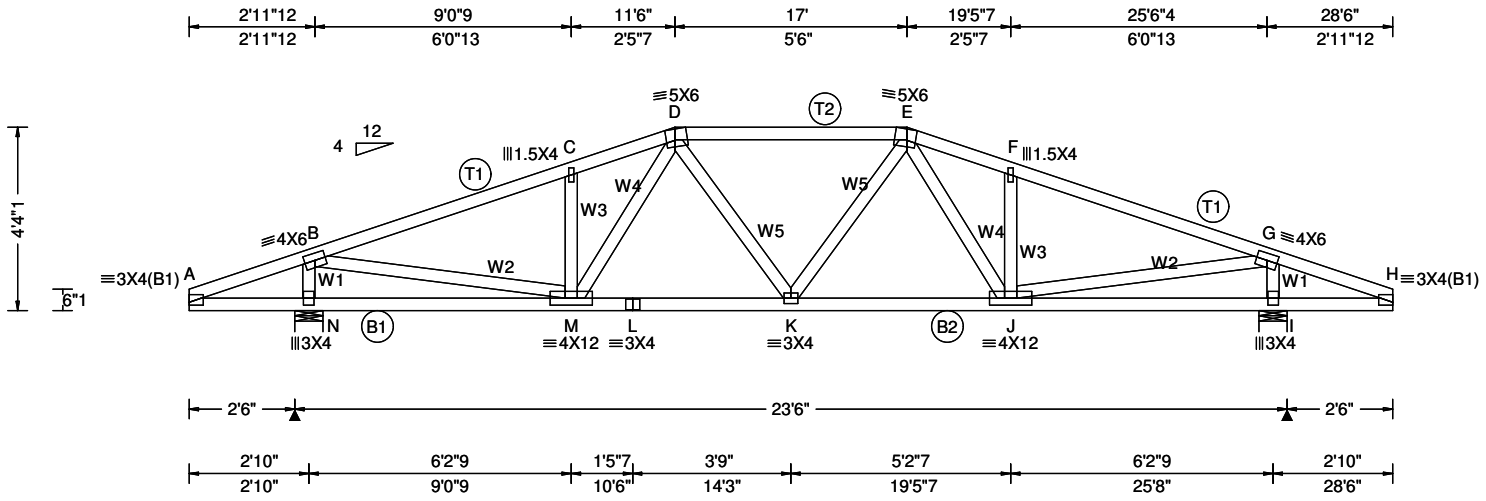
SEQN: 136870 / T8 / HIPS FROM: AE	Ply: 1 Qty: 1 Wgt: 148.4 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 4H12	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.17 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.076	K	999	360
VERT(CL): 0.140	K	999	240
HORZ(LL): 0.015	I	-	-
HORZ(TL): 0.030	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.641
Max BC CSI: 0.419
Max Web CSI: 0.570
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind
Member design based on both MWFRS and C&C.
Left and right cantilevers are exposed to wind
Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
N	1578	/-	/-	/859	/706	/113
I	1578	/-	/-	/859	/706	/-

Wind reactions based on C&C
N Brg Wid = 8.0 Min Req = 1.9 (Truss)
I Brg Wid = 8.0 Min Req = 1.9 (Truss)
Bearings N & I are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	297	- 187	E - F	1064	- 1884
B - C	997	- 1937	F - G	997	- 1937
C - D	1064	- 1884	G - H	297	- 188
D - E	1026	- 1654			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - N	177	- 230	K - J	1625	- 854
N - M	195	- 164	J - I	195	- 179
M - L	1625	- 884	I - H	177	- 230
L - K	1625	- 884			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
N - B	709	- 1451	K - E	120	- 23
B - M	1721	- 836	E - J	453	- 128
C - M	264	- 396	J - F	264	- 396
M - D	453	- 128	J - G	1721	- 837
D - K	120	- 23	G - I	709	- 1451

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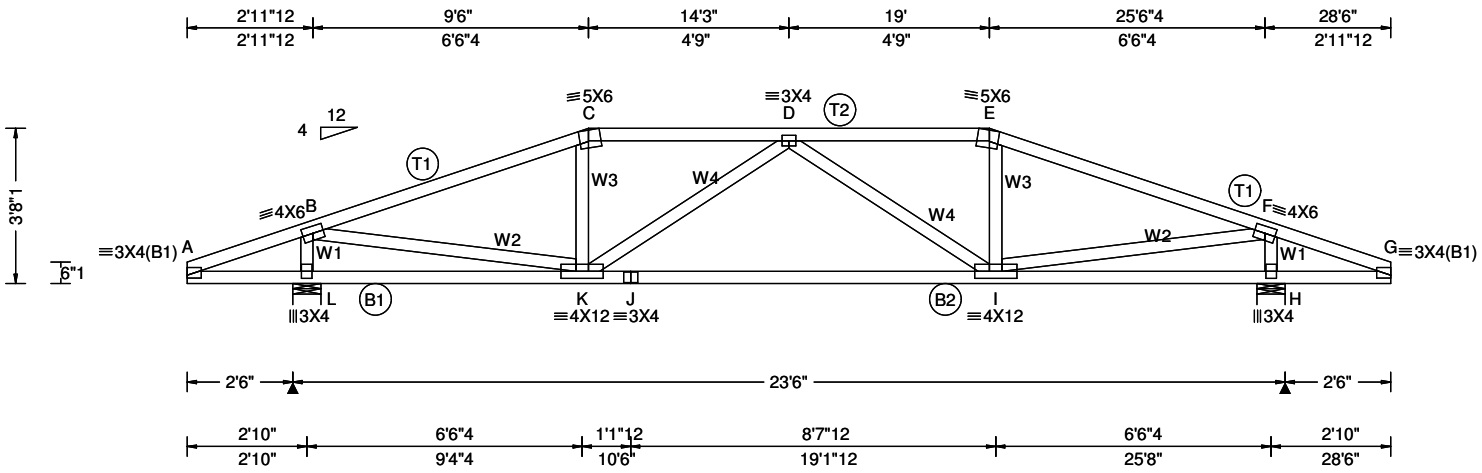
SEQN: 136867 / T7 / HIPS	Ply: 1	**Job Number:** 23081008	
FROM: AE	Qty: 1	5900 RES.	DRW:
	Wgt: 142.8 lbs	**Truss Label:** 4H10	... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.090	D	999	360
VERT(CL): 0.167	D	999	240
HORZ(LL): 0.018	H	-	-
HORZ(TL): 0.035	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.790
Max BC CSI: 0.868
Max Web CSI: 0.833
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind
Member design based on both MWFRS and C&C.
Left and right cantilevers are exposed to wind
Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
L	1578	/-	/-	/868	/849	/93
H	1578	/-	/-	/868	/849	/-

Wind reactions based on C&C
L Brg Wid = 8.0 Min Req = 1.9 (Truss)
H Brg Wid = 8.0 Min Req = 1.9 (Truss)
Bearings L & H are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	307	- 183	D - E	1309	- 1767
B - C	1308	- 1962	E - F	1308	- 1962
C - D	1310	- 1767	F - G	308	- 183

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - L	175	- 238	J - I	2029	- 1512
L - K	209	- 171	I - H	209	- 186
K - J	2029	- 1512	H - G	175	- 238

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
L - B	842	- 1476	D - I	565	- 358
B - K	1727	- 1109	E - I	209	- 72
K - C	208	- 72	I - F	1727	- 1109
K - D	564	- 359	F - H	842	- 1476

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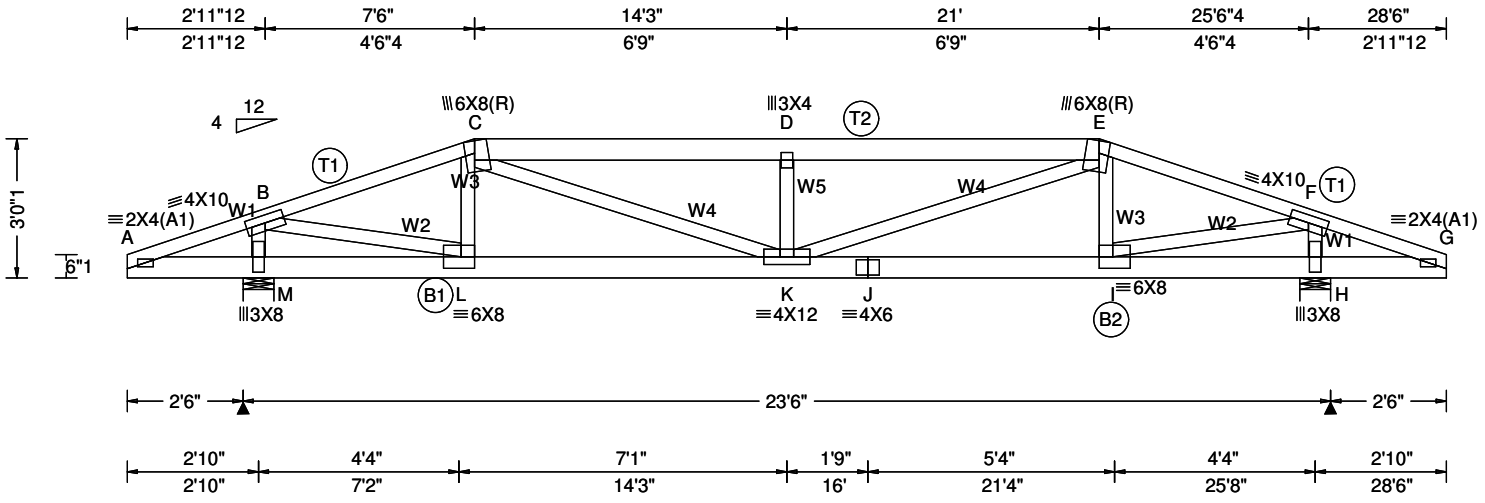
SEQN: 140007 / T78 / HIPS FROM: AE	Ply: 1 Qty: 1 Wgt: 172.2 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 4HG8	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.185	D	999	360
VERT(CL): 0.340	D	806	240
HORZ(LL): 0.030	C	-	-
HORZ(TL): 0.055	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.655
Max BC CSI: 0.774
Max Web CSI: 0.936
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
M	2191	/-	/-	/-	/1126	/-
H	2191	/-	/-	/-	/1126	/-

Wind reactions based on MWFRS
M Brg Wid = 8.0 Min Req = 2.6 (Truss)
H Brg Wid = 8.0 Min Req = 2.6 (Truss)
Bearings M & H are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	334	- 71	D - E	2574	- 4699
B - C	1721	- 3011	E - F	1721	- 3012
C - D	2574	- 4699	F - G	334	- 71

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - M	38	- 273	J - I	2831	- 1613
M - L	75	- 217	I - H	75	- 217
L - K	2831	- 1613	H - G	38	- 273
K - J	2831	- 1613			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
M - B	1147	- 2069	K - E	1998	- 1028
B - L	2858	- 1586	E - I	87	- 240
L - C	88	- 240	I - F	2858	- 1587
C - K	1998	- 1028	F - H	1147	- 2069
D - K	521	- 943			

Lumber

Top chord: 2x4 SP #2; T2 2x6 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #2;

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 90 plf at 0.00 to 90 plf at 7.50
TC: From 45 plf at 7.50 to 45 plf at 21.00
TC: From 90 plf at 21.00 to 90 plf at 28.50
BC: From 20 plf at 0.00 to 20 plf at 8.09
BC: From 10 plf at 8.09 to 10 plf at 20.41
BC: From 20 plf at 20.41 to 20 plf at 28.50
TC: 132 lb Conc. Load at 8.09,10.09,12.09,14.09 14.41,16.41,18.41,20.41
BC: 124 lb Conc. Load at 7.46,21.04
BC: 84 lb Conc. Load at 8.09,10.09,12.09,14.09 14.41,16.41,18.41,20.41

Wind

Wind loads and reactions based on MWFRS.

Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

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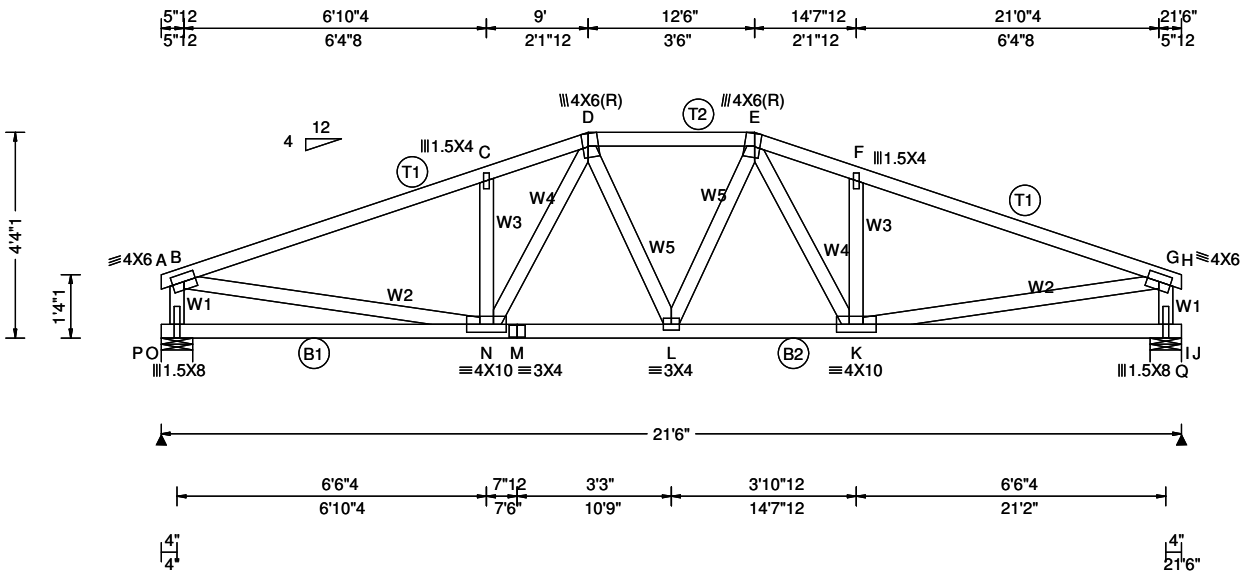
SEQN: 201206 / T18 / HIPS FROM: AE	Ply: 1 Qty: 1 Wgt: 112.0 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 5H12	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.59 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: > 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.070	L	999	360
VERT(CL): 0.128	L	999	240
HORZ(LL): 0.015	H	-	-
HORZ(TL): 0.028	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.956
Max BC CSI: 0.473
Max Web CSI: 0.713
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind
Member design based on both MWFRS and C&C.
End verticals not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
P	1182	/-	/-	/557	/632	/89
Q	1182	/-	/-	/557	/632	/-

Wind reactions based on C&C
P Brg Wid = 8.0 Min Req = 1.5 (Truss)
Q Brg Wid = 8.0 Min Req = 1.5 (Truss)
Bearings P & J are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	5	0	E - F	1249	-1869
B - C	1114	-1886	F - G	1113	-1886
C - D	1250	-1869	G - H	5	0
D - E	1081	-1493			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
P - O	0	0	L - K	1481	-874
O - N	135	-107	K - J	90	-44
N - M	1481	-898	J - I	0	0
M - L	1481	-898			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - O	666	-1116	L - E	92	-56
B - N	1642	-944	E - K	474	-201
C - N	420	-564	K - F	420	-564
N - D	473	-202	K - G	1643	-943
D - L	92	-55	G - J	666	-1117

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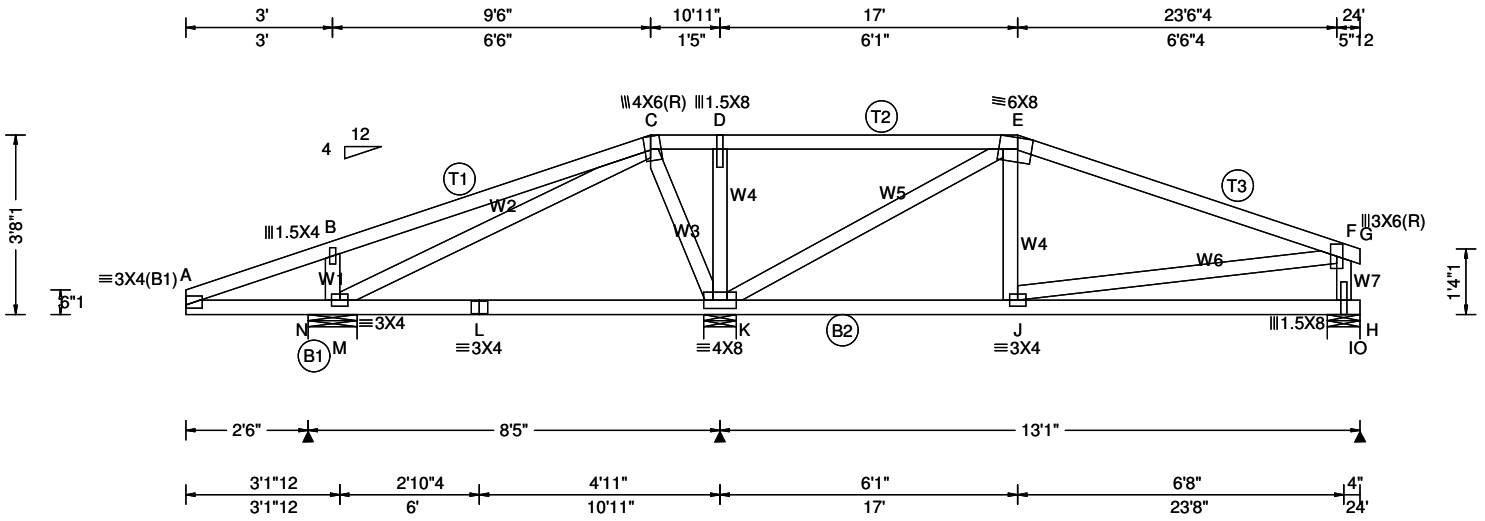
SEQN: 201197 / T105 / HIPS FROM: AE	Ply: 1 Qty: 1 Wgt: 126.0 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 5H10	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Part. Enc.
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: > 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.55
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.022	G	100	360
VERT(CL): -0.037	G	999	240
HORZ(LL): 0.010	G	-	-
HORZ(TL): 0.018	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.945
Max BC CSI: 0.421
Max Web CSI: 0.651
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
N	763	/-	/-	/567	/409	/127
K	1281	/-	/-	/894	/1277	/-
O	663	/-	/-	/499	/473	/-

Wind reactions based on C&C
N Brg Wid = 12.0 Min Req = 1.5 (Truss)
K Brg Wid = 8.0 Min Req = 1.5 (Truss)
O Brg Wid = 8.0 Min Req = 1.5 (Truss)
Bearings N, K, & I are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	331	- 314	D - E	181	- 86
B - C	407	- 339	E - F	562	- 694
C - D	182	- 86	F - G	5	0

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - M	294	- 288	K - J	562	- 411
M - L	220	- 160	J - I	109	- 85
L - K	220	- 160	I - H	0	0

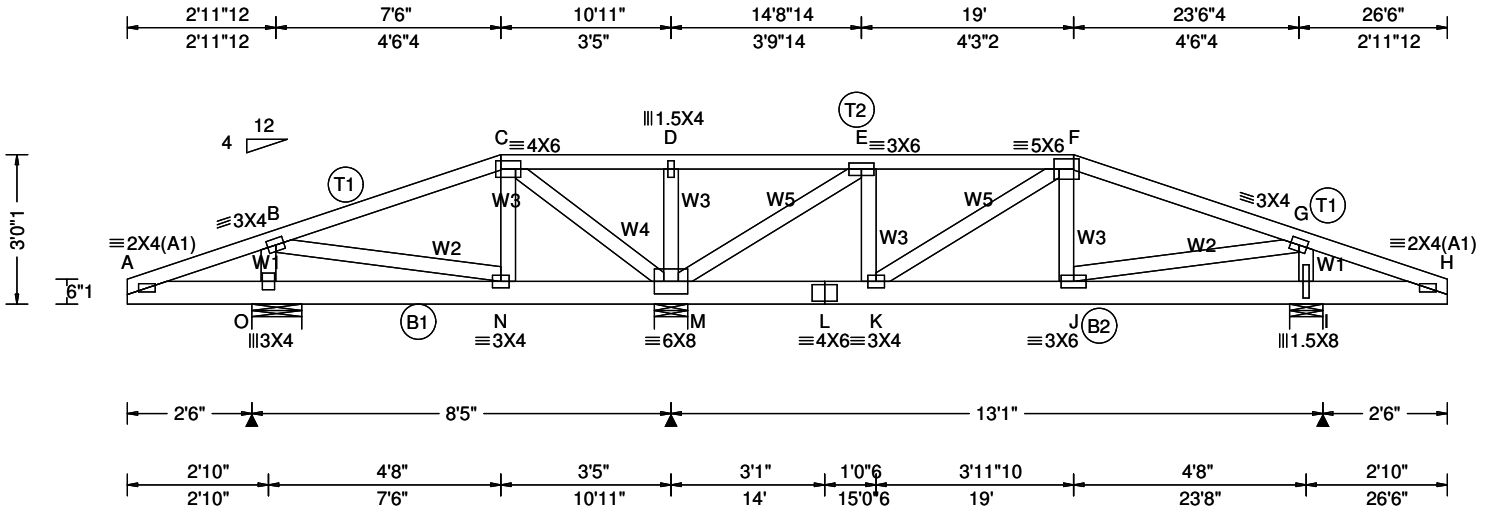
Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - M	552	- 585	K - E	705	- 820
M - C	226	- 291	E - J	222	0
C - K	109	- 302	J - F	459	- 330
D - K	1034	- 621	F - I	509	- 599

Lumber
Top chord: 2x4 SP #2; T3 2x4 SP #1;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind
Member design based on both MWFRS and C&C.
Right end vertical not exposed to wind pressure.
Left cantilever is exposed to wind
Wind loading based on both gable and hip roof types.

SEQN: 140004 / T57 / HIPS FROM: AE	Ply: 1 Qty: 1 Wgt: 121.8 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 5HG8	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Part. Enc.
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.55
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	-0.023 J	999	360
VERT(CL):	0.039 J	999	240
HORZ(LL):	-0.005 E	-	-
HORZ(TL):	0.008 E	-	-

Creep Factor: 2.0
Max TC CSI: 0.514
Max BC CSI: 0.316
Max Web CSI: 0.584
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
O	713 / -	/ -	/ -	/519	/ -
M	2180 / -	/ -	/ -	/1568	/ -
I	1180 / -	/ -	/ -	/755	/ -

Wind reactions based on MWFRS
O Brg Wid = 12.0 Min Req = 1.5 (Truss)
M Brg Wid = 8.0 Min Req = 2.6 (Truss)
I Brg Wid = 8.0 Min Req = 1.5 (Truss)
Bearings O, M, & I are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	331	- 162	E - F	448	- 772
B - C	281	- 171	F - G	751	- 1083
C - D	572	- 408	G - H	338	- 159
D - E	572	- 407			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - O	105	- 275	L - K	717	- 413
O - N	57	- 241	K - J	962	- 658
N - M	88	- 205	J - I	36	- 235
M - L	717	- 413	I - H	105	- 276

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
O - B	533	- 592	E - K	504	- 309
B - N	238	- 269	K - F	252	- 229
C - N	271	- 349	F - J	116	- 92
C - M	772	- 784	J - G	1080	- 713
D - M	329	- 465	G - I	760	- 1042
M - E	996	- 1564			

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #2;

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 90 plf at 0.00 to 90 plf at 7.50
TC: From 45 plf at 7.50 to 45 plf at 19.00
TC: From 90 plf at 19.00 to 90 plf at 26.50
BC: From 20 plf at 0.00 to 20 plf at 7.46
BC: From 10 plf at 7.46 to 10 plf at 18.41
BC: From 20 plf at 18.41 to 20 plf at 26.50
TC: 132 lb Conc. Load at 8.09,10.09,12.09,13.25 14.41,16.41,18.41
BC: 124 lb Conc. Load at 7.46,19.04
BC: 84 lb Conc. Load at 8.09,10.09,12.09,13.25 14.41,16.41,18.41

Wind

Wind loads and reactions based on MWFRS.

Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

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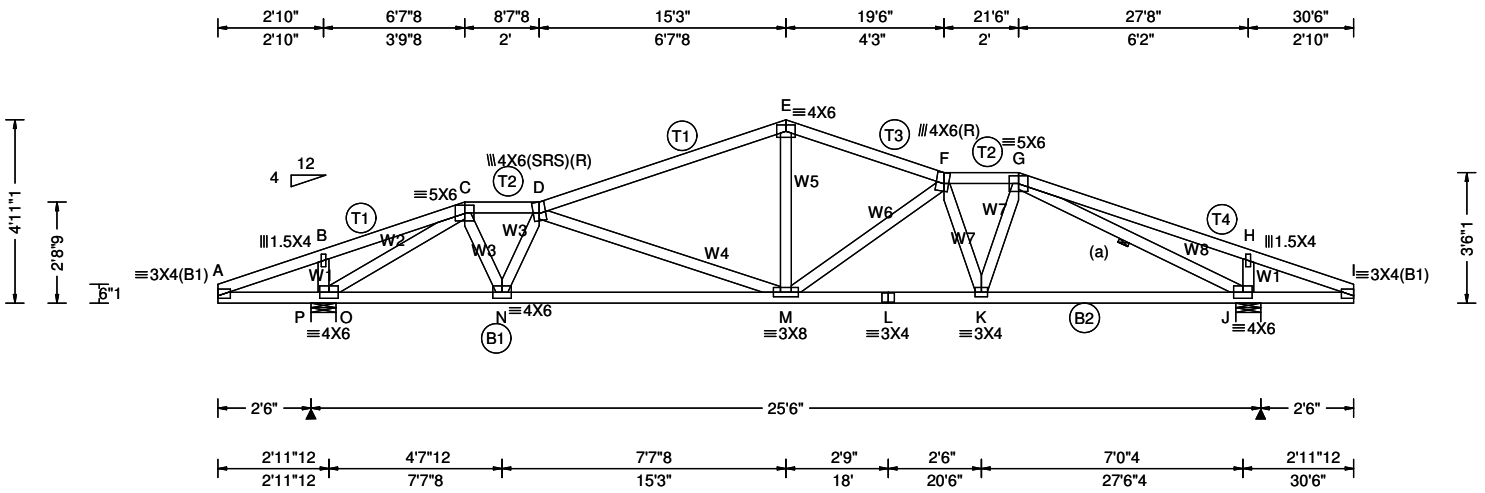
SEQN: 201166 / T15 / SPEC FROM: AE	Ply: 1 Qty: 1 Wgt: 159.6 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 5TH6	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.46 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.05 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.107	M	999	360
VERT(CL): 0.198	M	999	240
HORZ(LL): 0.043	J	-	-
HORZ(TL): 0.081	J	-	-

Creep Factor: 2.0
Max TC CSI: 0.854
Max BC CSI: 0.703
Max Web CSI: 0.757
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Bracing
(a) Continuous lateral restraint equally spaced on member.

Wind
Member design based on both MWFRS and C&C.
Left and right cantilevers are exposed to wind
Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
P	1688	/-	/-	/895	/677	/131
J	1688	/-	/-	/892	/637	/-

Wind reactions based on C&C
P Brg Wid = 8.0 Min Req = 2.0 (Truss)
J Brg Wid = 8.0 Min Req = 2.0 (Truss)
Bearings P & J are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	340	- 182	E - F	828	- 1928
B - C	338	- 161	F - G	966	- 2016
C - D	921	- 2034	G - H	275	- 224
D - E	841	- 1977	H - I	247	- 202

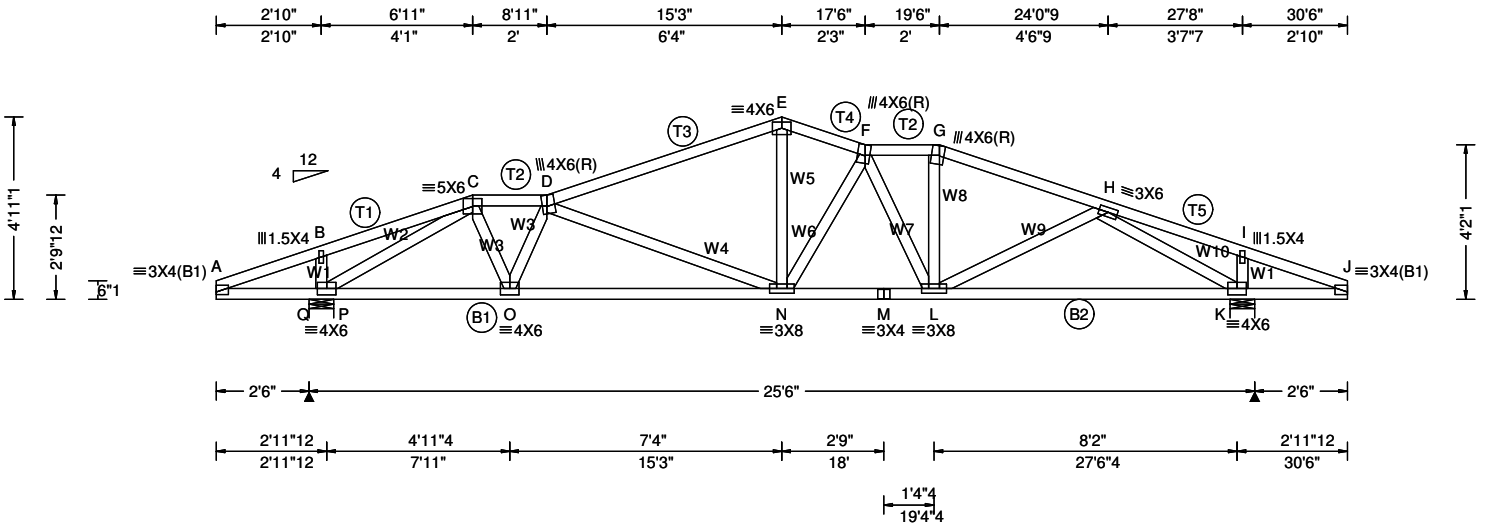
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - O	173	- 273	L - K	2184	- 871
O - N	1629	- 724	K - J	1816	- 737
N - M	2389	- 1019	J - I	193	- 195
M - L	2184	- 871			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - O	221	- 385	M - F	382	- 495
O - C	874	- 2174	F - K	300	- 586
C - N	1079	- 367	K - G	693	- 214
N - D	470	- 954	G - J	865	- 2101
D - M	435	- 639	J - H	294	- 565
E - M	638	- 247			

SEQN: 201172 / T16 / SPEC FROM: AE	Ply: 1 Qty: 1 Wgt: 162.4 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 5TH6A	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.46 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.05 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.098	N	999	360
VERT(CL): 0.183	N	999	240
HORZ(LL): 0.040	K	-	-
HORZ(TL): 0.076	K	-	-

Creep Factor: 2.0
Max TC CSI: 0.775
Max BC CSI: 0.690
Max Web CSI: 0.863
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind
Member design based on both MWFRS and C&C.
Left and right cantilevers are exposed to wind
Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
Q	1688	/-	/-	/899	/685	/131
K	1688	/-	/-	/894	/628	/-

Wind reactions based on C&C
Q Brg Wid = 8.0 Min Req = 2.0 (Truss)
K Brg Wid = 8.0 Min Req = 2.0 (Truss)
Bearings Q & K are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	332	- 182	F - G	922	- 1853
B - C	332	- 161	G - H	919	- 2011
C - D	961	- 2046	H - I	303	- 214
D - E	871	- 1962	I - J	292	- 234
E - F	869	- 1869			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - P	173	- 265	M - L	1976	- 763
P - O	1673	- 766	L - K	1613	- 661
O - N	2371	- 1048	K - J	221	- 231
N - M	1976	- 763			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - P	229	- 405	N - F	323	- 396
P - C	905	- 2189	F - L	204	- 309
C - O	1031	- 364	L - G	263	- 39
O - D	467	- 905	L - H	325	- 138
D - N	426	- 639	H - K	905	- 2140
E - N	674	- 317	K - I	149	- 315

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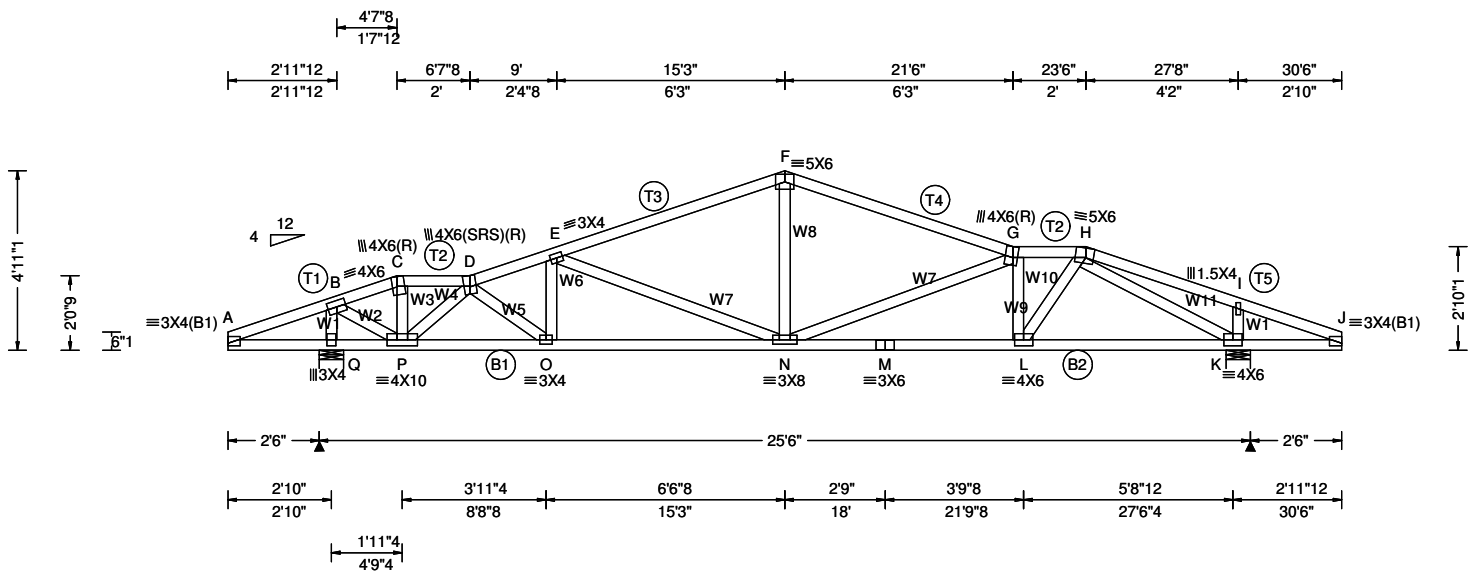
SEQN: 139998 / T5 / SPEC FROM: AE	Ply: 1 Qty: 1 Wgt: 158.2 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 5THG4	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.46 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.05 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.112	N	999	360
VERT(CL): 0.206	N	999	240
HORZ(LL): 0.043	K	-	-
HORZ(TL): 0.081	K	-	-

Creep Factor: 2.0
Max TC CSI: 0.715
Max BC CSI: 0.697
Max Web CSI: 0.925
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Special Loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 90 plf at 0.00 to 90 plf at 30.50
BC: From 20 plf at 0.00 to 20 plf at 30.50
TC: -45 lb Conc. Load at 4.58
BC: -167 lb Conc. Load at 4.58

Wind
Wind loads and reactions based on MWFRS.
Left and right cantilevers are exposed to wind
Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Q	1678	/-	/-	/-	/981	/-
K	1697	/-	/-	/-	/657	/-

Wind reactions based on MWFRS
Q Brg Wid = 8.0 Min Req = 2.0 (Truss)
K Brg Wid = 8.0 Min Req = 2.0 (Truss)
Bearings Q & K are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	368	- 128	F - G	827	- 2004
B - C	835	- 1329	G - H	877	- 2298
C - D	770	- 1253	H - I	318	- 126
D - E	1151	- 2588	I - J	317	- 96
E - F	829	- 2008			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - Q	94	- 302	N - M	2390	- 924
Q - P	13	- 230	M - L	2390	- 924
P - O	2316	- 1149	L - K	1685	- 643
O - N	2456	- 1093	K - J	58	- 251

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
Q - B	958	- 1572	F - N	613	- 156
B - P	1507	- 931	N - G	198	- 611
C - P	241	- 6	G - L	418	- 830
P - D	521	- 1505	L - H	1122	- 418
D - O	319	0	H - K	873	- 2179
O - E	114	- 98	K - I	226	- 409
E - N	379	- 684			

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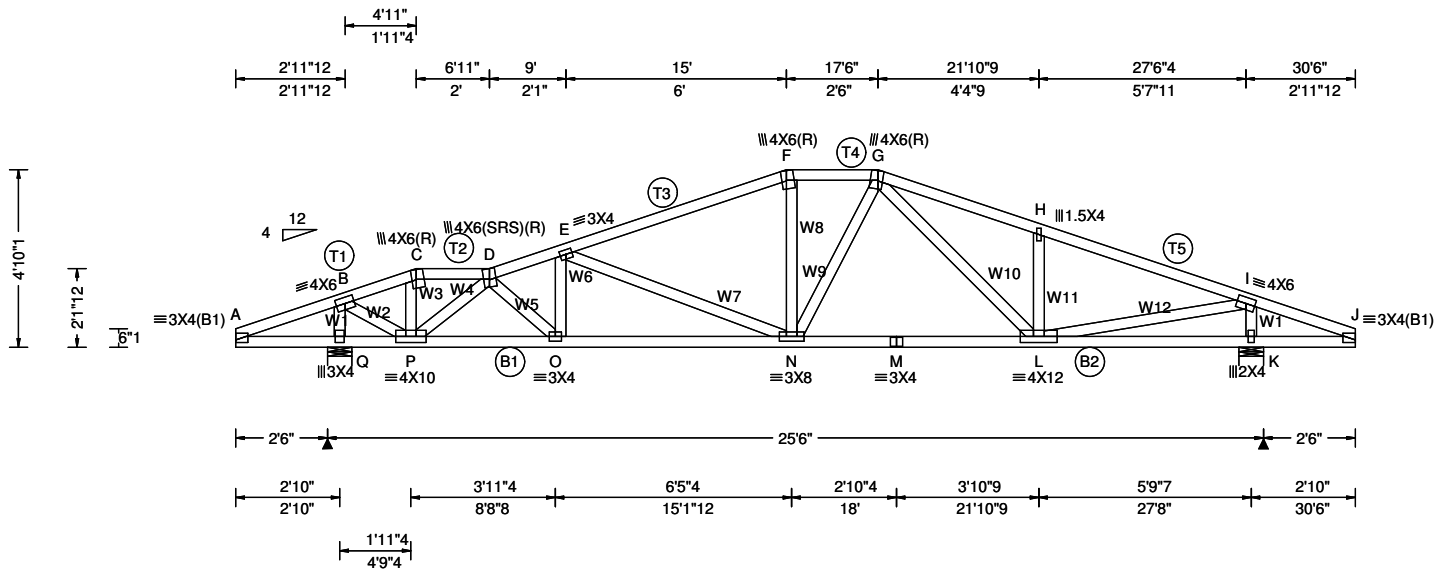
SEQN: 140001 / T4 / SPEC FROM: AE	Ply: 1 Qty: 1 Wgt: 155.4 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 5THG4A	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.42 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.05 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.102	N	999	360
VERT(CL): 0.189	N	999	240
HORZ(LL): 0.032	L	-	-
HORZ(TL): 0.061	K	-	-

Creep Factor: 2.0
Max TC CSI: 0.716
Max BC CSI: 0.715
Max Web CSI: 0.547
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Special Loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 90 plf at 0.00 to 90 plf at 30.50
BC: From 20 plf at 0.00 to 20 plf at 30.50
TC: -20 lb Conc. Load at 4.87
BC: -112 lb Conc. Load at 4.87

Wind
Wind loads and reactions based on MWFRS.
Left and right cantilevers are exposed to wind
Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Q	1687	/-	/-	/-	/941	/-
K	1687	/-	/-	/-	/653	/-

Wind reactions based on MWFRS
Q Brg Wid = 8.0 Min Req = 2.0 (Truss)
K Brg Wid = 8.0 Min Req = 2.0 (Truss)
Bearings Q & K are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	370	- 135	F - G	748	- 1849
B - C	814	- 1337	G - H	836	- 2142
C - D	749	- 1221	H - I	844	- 2155
D - E	1166	- 2605	I - J	316	- 93
E - F	838	- 2032			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - Q	101	- 304	N - M	1744	- 709
Q - P	21	- 231	M - L	1744	- 709
P - O	2358	- 1152	L - K	162	- 179
O - N	2486	- 1114	K - J	52	- 250

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
Q - B	946	- 1582	F - N	247	- 11
B - P	1516	- 917	N - G	247	- 86
P - C	217	- 8	G - L	312	- 65
P - D	532	- 1536	L - H	272	- 487
D - O	280	0	L - I	1973	- 768
O - E	103	- 101	I - K	688	- 1565
E - N	395	- 695			

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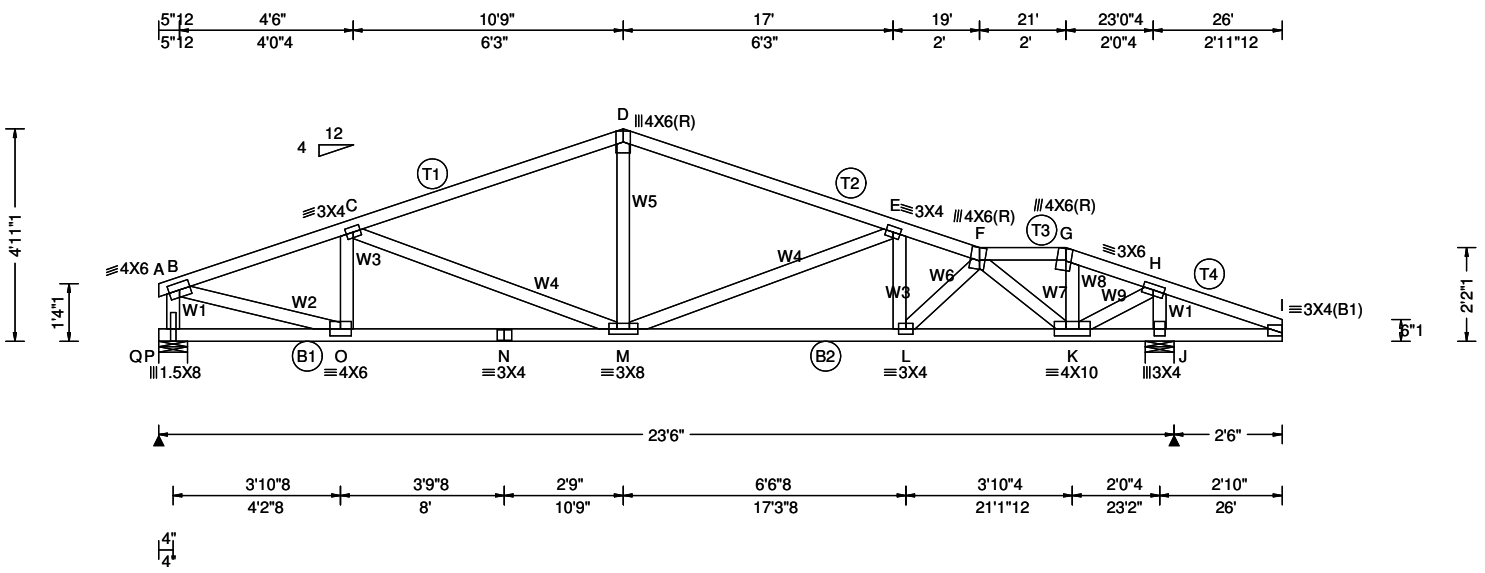
SEQN: 139995 / T19 / SPEC FROM: AE	Ply: 1 Qty: 1 Wgt: 138.6 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 5THG4B	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.46 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.084 M	999	360
VERT(CL):	0.158 E	999	240
HORZ(LL):	0.031 K	-	-
HORZ(TL):	0.058 J	-	-

Creep Factor: 2.0
Max TC CSI: 0.668
Max BC CSI: 0.667
Max Web CSI: 0.577
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Special Loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 90 plf at 0.00 to 90 plf at 26.00
BC: From 20 plf at 0.00 to 20 plf at 26.00
TC: -21 lb Conc. Load at 21.04
BC: -116 lb Conc. Load at 21.04

Wind
Wind loads and reactions based on MWFRS.
Left end vertical not exposed to wind pressure.
Right cantilever is exposed to wind
Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Q	1276	/-	/-	/-	/505	/-
J	1470	/-	/-	/-	/882	/-

Wind reactions based on MWFRS
Q Brg Wid = 8.0 Min Req = 1.5 (Truss)
J Brg Wid = 8.0 Min Req = 1.7 (Truss)
Bearings Q & J are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	5	-3	E - F	1075	-2391
B - C	773	-1929	F - G	703	-1163
C - D	749	-1795	G - H	766	-1275
D - E	748	-1794	H - I	370	-138

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
Q - P	0	0	M - L	2281	-1028
P - O	24	-10	L - K	2181	-1066
O - N	1824	-734	K - J	28	-235
N - M	1824	-734	J - I	103	-305

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - P	517	-1237	E - L	119	-81
B - O	1828	-725	L - F	248	0
O - C	254	-383	F - K	481	-1391
C - M	76	-235	G - K	195	-5
D - M	495	-112	K - H	1381	-859
M - E	393	-712	H - J	888	-1364

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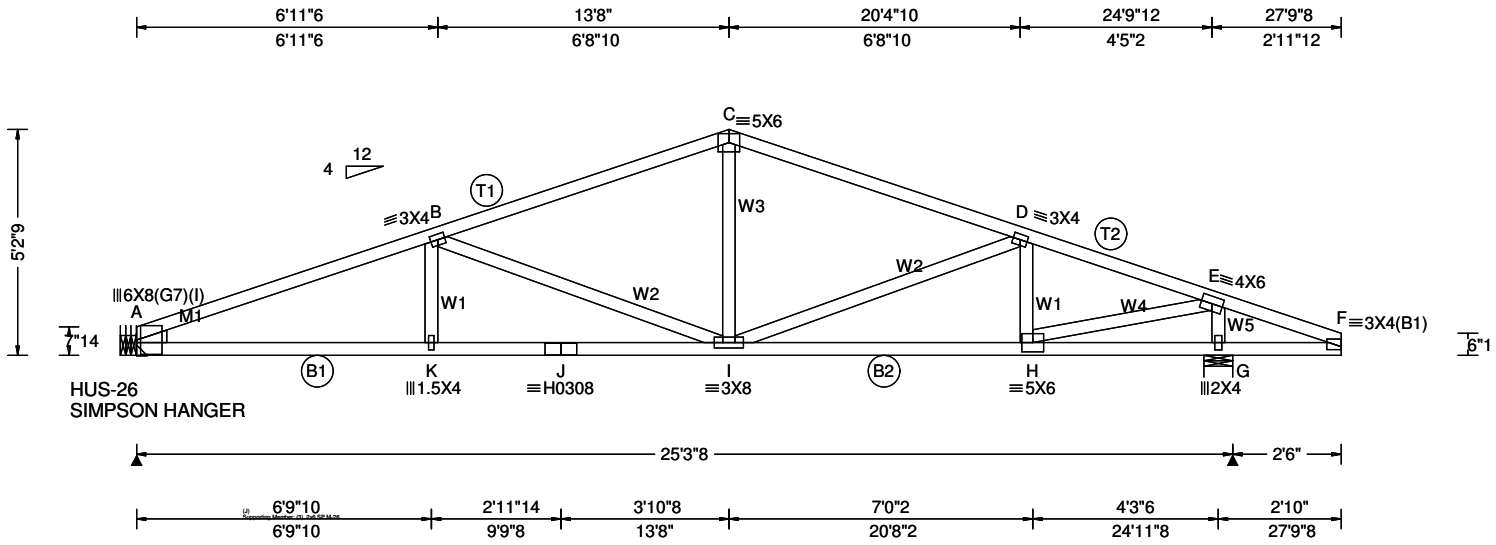
SEQN: 201643 / T79 / COMN FROM: GO	Ply: 1 Qty: 2 Wgt: 165.2 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 6T	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 26.28 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.138	B	999	360
VERT(CL): 0.255	B	999	240
HORZ(LL): 0.042	H	-	-
HORZ(TL): 0.080	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.778
Max BC CSI: 0.804
Max Web CSI: 0.895
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;
Lt Stub Wedge: 2x4 SP #2;

Plating Notes

(I) - plates so marked were sized using 0% Fabrication Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance.

Wind

Member design based on both MWFRS and C&C.

Right cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	/ Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
A	1365	/-	/-	/893	/443	/138
G	1702	/-	/-	/1071	/667	/-

Wind reactions based on C&C
A Brg Wid = - Min Req = -
G Brg Wid = 8.0 Min Req = 2.0 (Truss)
Bearing G is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	986	- 2945	D - E	735	- 2070
B - C	785	- 1983	E - F	361	- 230
C - D	758	- 1981			

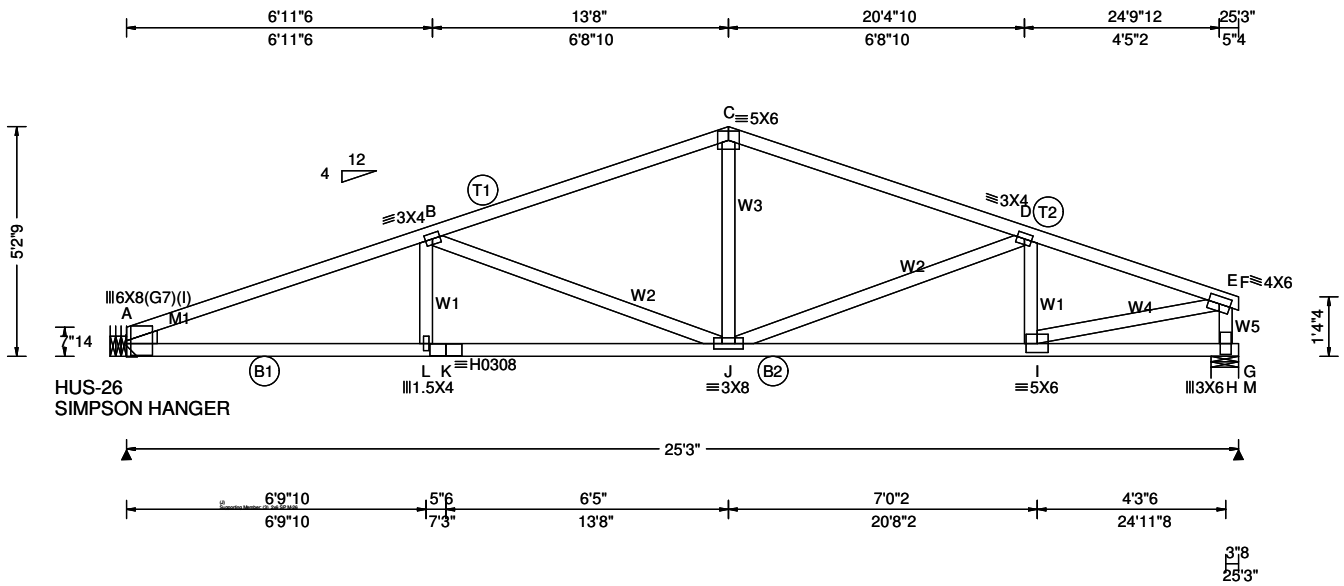
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - K	2686	- 868	I - H	1955	- 625
K - J	2682	- 871	H - G	203	- 229
J - I	2682	- 871	G - F	223	- 296

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
K - B	236	0	D - H	276	- 458
B - I	414	- 961	H - E	2024	- 691
C - I	575	- 103	E - G	627	- 1593
I - D	217	- 177			

SEQN: 201649 / T77 / COMN FROM: GO	Ply: 1 Qty: 1 Wgt: 133.0 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 6TA	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 26.35 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.143	B	999	360
VERT(CL): 0.263	B	999	240
HORZ(LL): 0.045	H	-	-
HORZ(TL): 0.082	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.787
Max BC CSI: 0.821
Max Web CSI: 0.890
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1381	/-	/-	/898	/520	/147
M	1397	/-	/-	/909	/535	/-

Wind reactions based on C&C
A Brg Wid = - Min Req = -
M Brg Wid = 7.5 Min Req = 1.6 (Truss)
Bearing H is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	1153	- 2988	D - E	876	- 2211
B - C	893	- 2029	E - F	4	0
C - D	891	- 2028			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - L	2727	- 1079	J - I	2087	- 809
L - K	2723	- 1083	I - H	30	- 14
K - J	2723	- 1083	H - G	0	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
L - B	234	0	D - I	275	- 393
B - J	452	- 955	I - E	2082	- 796
C - J	608	- 140	E - H	551	- 1355
J - D	232	- 273			

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;
Lt Stub Wedge: 2x4 SP #2;

Plating Notes

(I) - plates so marked were sized using 0% Fabrication Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance.

Wind

Member design based on both MWFRS and C&C.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

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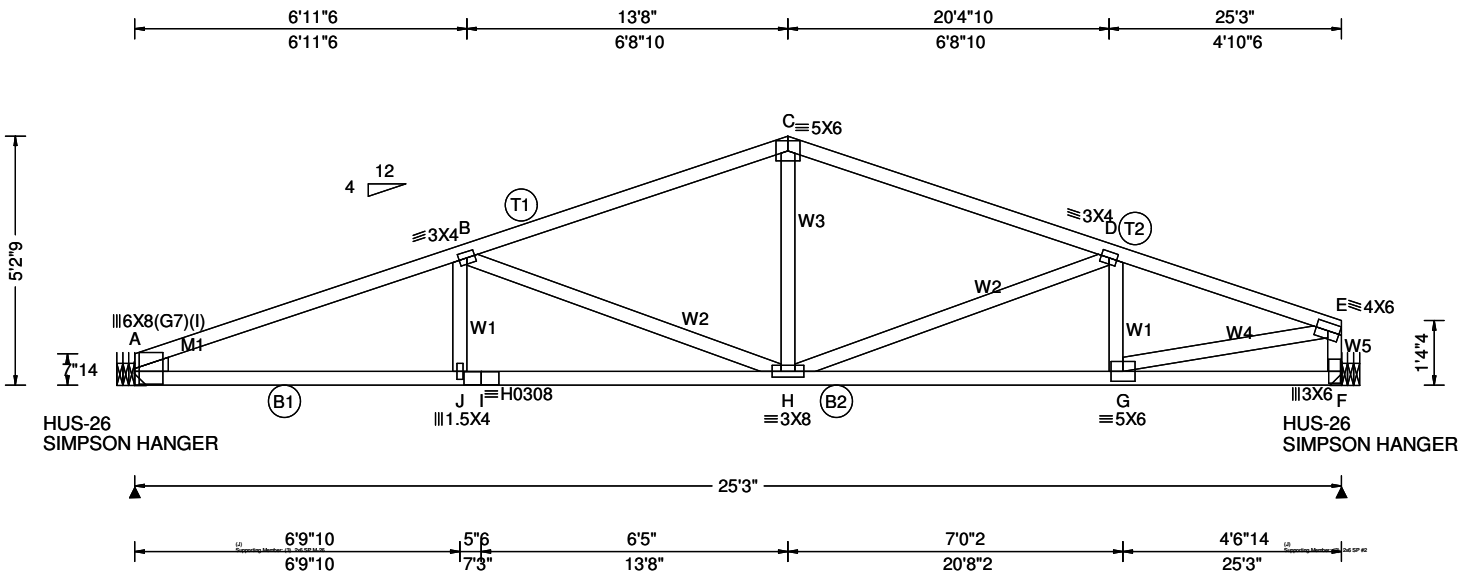
SEQN: 201655 / T83 / COMN FROM: GO	Ply: 1 Qty: 3 Wgt: 127.4 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 6TB	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 26.35 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.146	B	999	360
VERT(CL): 0.268	B	999	240
HORZ(LL): 0.045	F	-	-
HORZ(TL): 0.083	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.791
Max BC CSI: 0.829
Max Web CSI: 0.888
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1389	/-	/-	/903	/523	/147
F	1389	/-	/-	/904	/532	/-

Wind reactions based on C&C
A Brg Wid = - Min Req = -
F Brg Wid = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	1161	- 3010	C - D	900	- 2051
B - C	902	- 2053	D - E	902	- 2283

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - J	2747	- 1087	H - G	2151	- 834
J - I	2743	- 1090	G - F	36	- 16
I - H	2743	- 1090			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
J - B	233	0	D - G	267	- 369
B - H	451	- 953	G - E	2136	- 816
C - H	624	- 146	E - F	547	- 1348
H - D	240	- 317			

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;
Lt Stub Wedge: 2x4 SP #2;

Plating Notes

(I) - plates so marked were sized using 0% Fabrication Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance.

Wind

Member design based on both MWFRS and C&C.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

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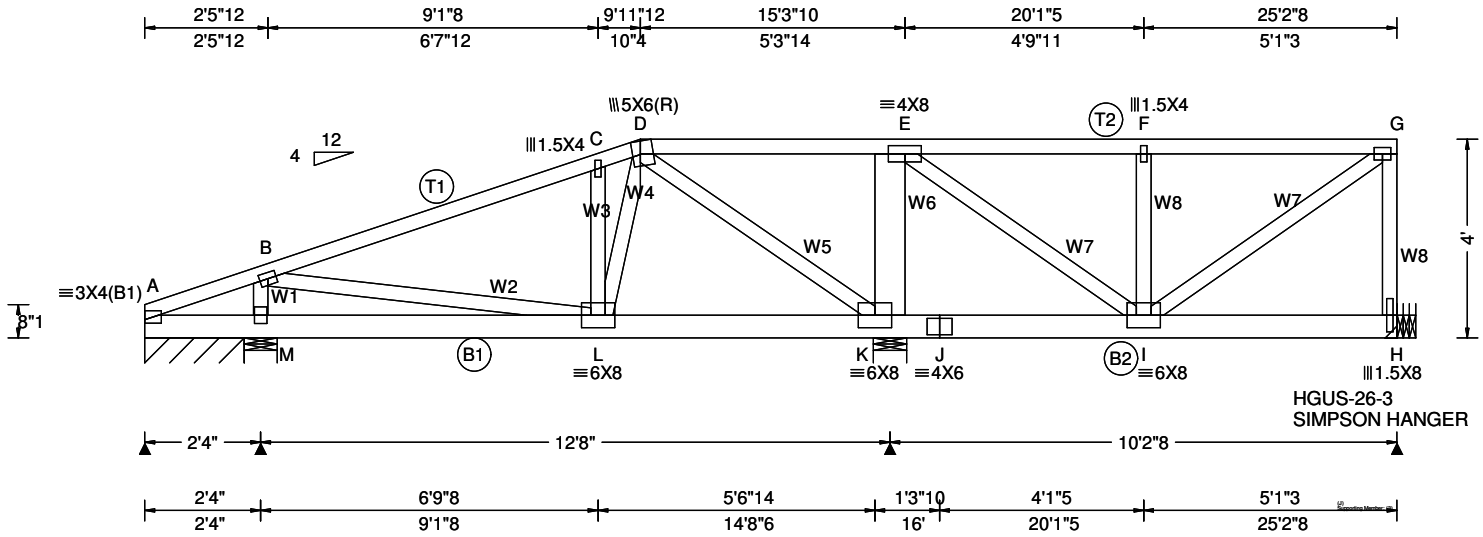
SEQN: 139977 / T22 / COMN FROM: AE	Ply: 3 Qty: 1 Wgt: 163.8 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 6MHG	DRW: ... / ... 07/25/2024



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 30.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 15.00	Speed: 175 mph	Pf: NA Ce: NA	VERT(LL): -0.031 C 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.046 C 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.005 G - -
Des Ld: 55.00	EXP: C Kzt: NA		HORZ(TL): 0.009 G - -
NCBCLL: 0.00	Mean Height: 25.75 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 6.0 psf	FBC 8th Ed. 2023 Res. HVHZ	Max TC CSI: 0.341
Load Duration: 1.25	BCDL: 6.0 psf	TPI Std: 2014	Max BC CSI: 0.680
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.380
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)	Mfg Specified Camber:
	Loc. from endwall: not in 9.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 23.02.01A.1204.18
	Wind Duration: 1.60		

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A*	38	/-59	/-	/-	/31	/-
M	1787	/-	/-	/-	/1262	/-
K	10674	/-	/-	/-	/5581	/-
H	3476	/-	/-	/-	/1239	/-

Wind reactions based on MWFRS
A Brg Wid = 24.0 Min Req = -
M Brg Wid = 8.0 Min Req = 1.5 (Truss)
K Brg Wid = 8.0 Min Req = 4.2 (Truss)
H Brg Wid = - Min Req = -
Bearings A, M, & K are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	48	-53	D - E	748	-422
B - C	743	-982	E - F	241	-796
C - D	736	-973	F - G	241	-796

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - M	55	-49	K - J	326	-549
M - L	110	-91	J - I	326	-549
L - K	581	-458	I - H	13	-6

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
M - B	466	-604	K - E	582	-1210
B - L	801	-595	E - I	1684	-710
C - L	153	-212	F - I	128	-169
L - D	1378	-948	I - G	961	-289
D - K	1109	-1675	G - H	224	-626

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #2; W6 2x8 SP #2;

Nailnote

Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 5.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 90 plf at 0.00 to 90 plf at 9.13
TC: From 45 plf at 9.13 to 45 plf at 11.06
TC: From 90 plf at 11.06 to 90 plf at 25.21
BC: From 20 plf at 0.00 to 20 plf at 9.13
BC: From 10 plf at 9.13 to 10 plf at 25.21
BC: 2716 lb Conc. Load at 9.13
BC: 1347 lb Conc. Load at 11.06,15.06,17.06,19.06 21.06,22.48,24.15
BC: 1342 lb Conc. Load at 13.06

Plating Notes

All plates are 3X4 except as noted.

Wind

Wind loads and reactions based on MWFRS.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

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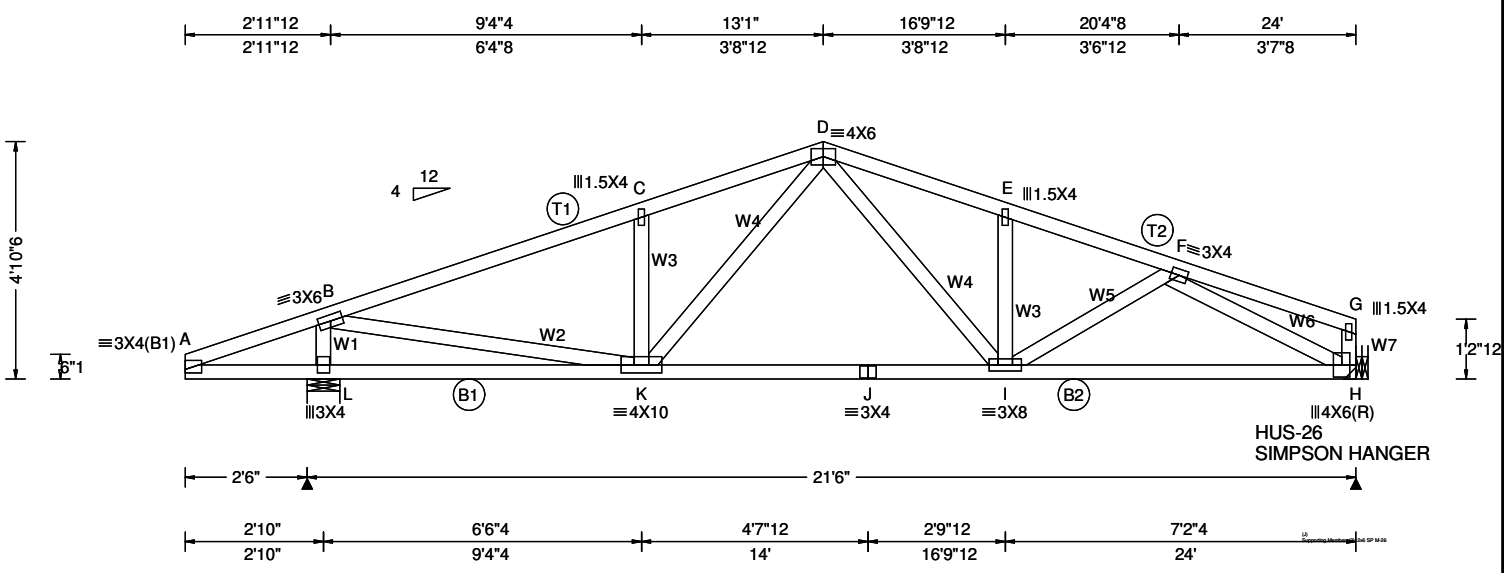
SEQN: 201683 / T67 / SPEC FROM: AE	Ply: 1 Qty: 2 Wgt: 117.6 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 7T	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 26.10 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.067	E	999	360
VERT(CL): 0.123	E	999	240
HORZ(LL): 0.019	H	-	-
HORZ(TL): 0.037	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.695
Max BC CSI: 0.634
Max Web CSI: 0.572
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
L	1497	/-	/-	/936	/728	/142
H	1155	/-	/-	/758	/475	/-

Wind reactions based on C&C
L Brg Wid = 8.0 Min Req = 1.8 (Truss)
H Brg Wid = - Min Req = -
Bearing L is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	296	- 241	D - E	898	- 1845
B - C	786	- 1812	E - F	815	- 1844
C - D	914	- 1781	F - G	47	- 90

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - L	230	- 229	J - I	1327	- 514
L - K	236	- 178	I - H	1624	- 706
K - J	1327	- 514			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
L - B	725	- 1375	I - E	270	- 338
B - K	1579	- 660	I - F	160	0
C - K	372	- 494	F - H	817	- 1838
K - D	471	- 240	G - H	94	- 156
D - I	589	- 264			

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Hangers / Ties

(J) Hanger Support Required, by others

Wind

Member design based on both MWFRS and C&C.

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

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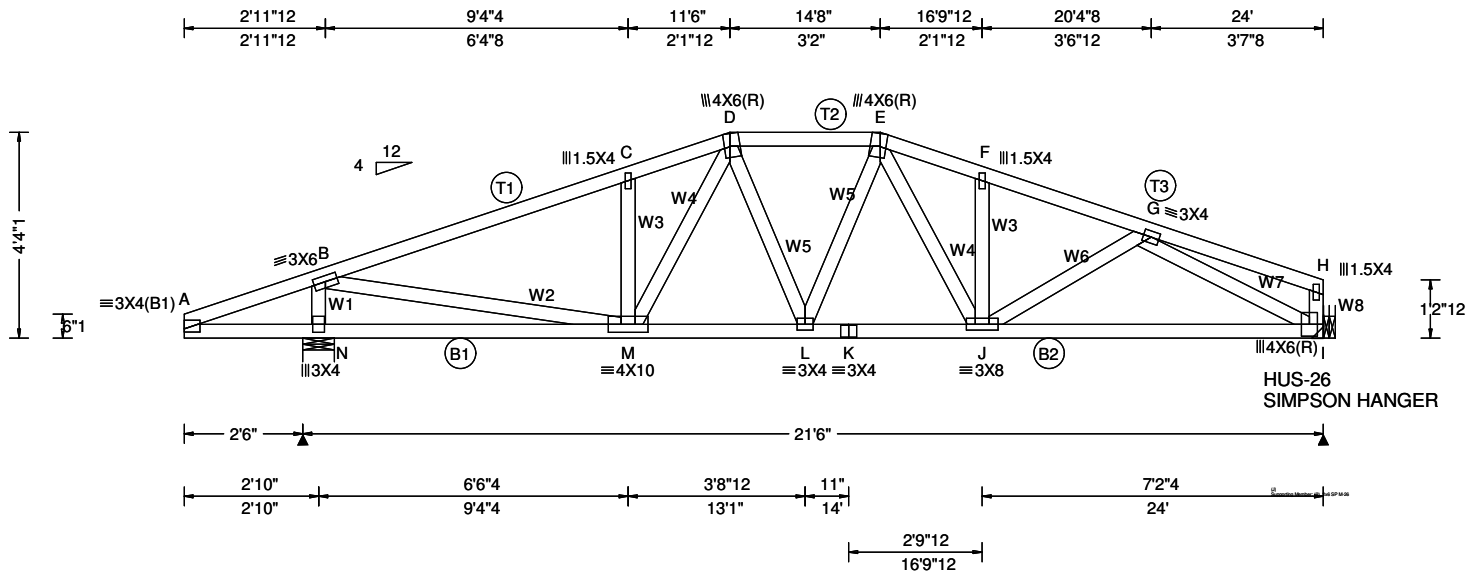
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 201680 / T30 / HIPS FROM: AE	Ply: 1 Qty: 1 Wgt: 138.6 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 7H12	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 25.84 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.065	L	999	360
VERT(CL): 0.120	L	999	240
HORZ(LL): 0.020	I	-	-
HORZ(TL): 0.039	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.677
Max BC CSI: 0.614
Max Web CSI: 0.689
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Hangers / Ties
(J) Hanger Support Required, by others

Wind
Member design based on both MWFRS and C&C.
Right end vertical not exposed to wind pressure.
Left cantilever is exposed to wind
Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
N	1497	/-	/-	/767	/863	/127
I	1155	/-	/-	/544	/687	/-

Wind reactions based on C&C
N Brg Wid = 8.0 Min Req = 1.8 (Truss)
I Brg Wid = - Min Req = -
Bearing N is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	288	- 235	E - F	1216	- 1800
B - C	1088	- 1802	F - G	1133	- 1826
C - D	1232	- 1765	G - H	64	- 92
D - E	1085	- 1479			

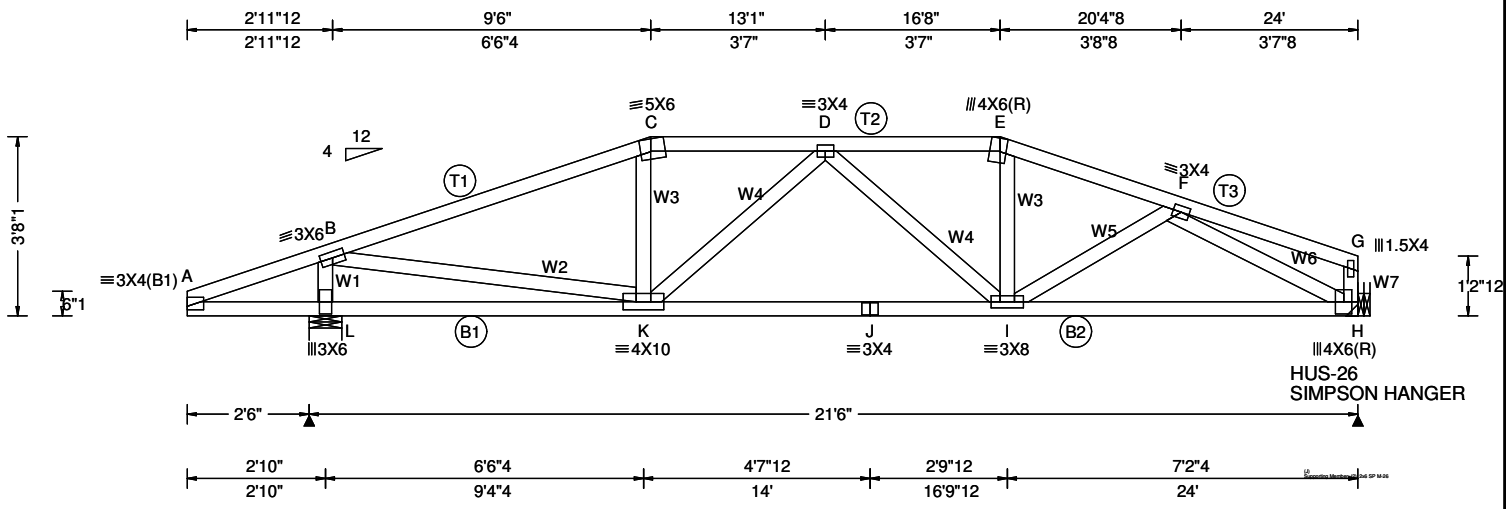
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - N	224	- 221	L - K	1492	- 879
N - M	208	- 158	K - J	1492	- 879
M - L	1447	- 883	J - I	1623	- 1005

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
N - B	933	- 1365	E - J	402	- 240
B - M	1559	- 912	J - F	245	- 250
C - M	465	- 475	J - G	162	- 93
M - D	414	- 274	G - I	1158	- 1833
D - L	115	- 70	H - I	131	- 155
L - E	80	- 73			

SEQN: 201677 / T58 / HIPS FROM: AE	Ply: 1 Qty: 1 Wgt: 124.6 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 7H10	DRW: ... / ... 07/25/2024



Loading Criteria (psf)		**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL:	30.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL:	15.00	Speed: 175 mph	Pf: NA Ce: NA	VERT(LL): 0.073 D 999 360
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.134 D 999 240
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.022 H - -
Des Ld:	55.00	EXP: C Kzt: NA		HORZ(TL): 0.043 H - -
NCBCLL:	10.00	Mean Height: 25.51 ft	Building Code:	Creep Factor: 2.0
Soffit:	2.00	TCDL: 6.0 psf	FBC 8th Ed. 2023 Res. HVHZ	Max TC CSI: 0.795
Load Duration:	1.25	BCDL: 6.0 psf	TPI Std: 2014	Max BC CSI: 0.645
Spacing:	24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.909
		C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)	Mfg Specified Camber:
		Loc. from endwall: not in 9.00 ft	Plate Type(s):	
		GCpi: 0.18	WAVE	VIEW Ver: 23.02.01A.1204.18
		Wind Duration: 1.60		

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Hangers / Ties

(J) Hanger Support Required, by others

Wind

Member design based on both MWFRS and C&C.

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
L	1497	/-	/-	/790	/1032	/107
H	1155	/-	/-	/543	/778	/-

Wind reactions based on C&C
L Brg Wid = 8.0 Min Req = 1.8 (Truss)
H Brg Wid = - Min Req = -
Bearing L is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	291	- 225	D - E	1457	- 1677
B - C	1440	- 1792	E - F	1485	- 1833
C - D	1447	- 1606	F - G	63	- 89

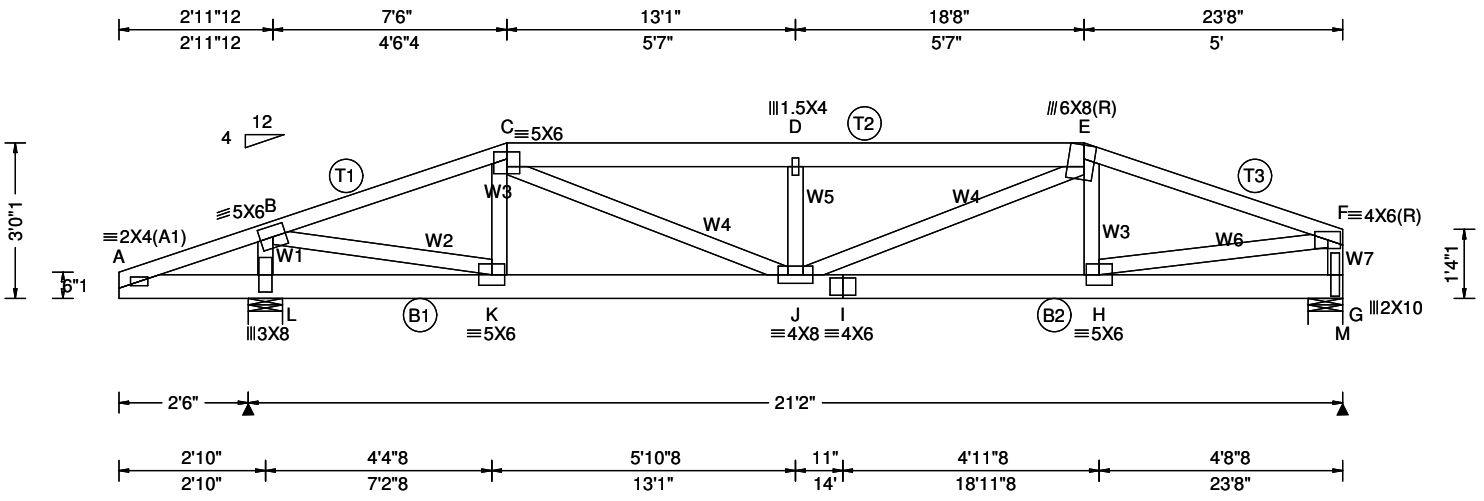
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - L	215	- 224	J - I	1791	- 1551
L - K	219	- 203	I - H	1628	- 1223
K - J	1791	- 1551			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
L - B	1027	- 1378	E - I	253	- 115
B - K	1534	- 1211	I - F	189	- 281
K - C	178	- 88	F - H	1413	- 1843
K - D	461	- 272	G - H	129	- 154
D - I	415	- 154			

SEQN: 139980 / T2 / HIPS FROM: AE	Ply: 1 Qty: 1 Wgt: 147.0 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 7HG8	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 25.17 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): -0.125	D	999	360
VERT(CL): 0.224	D	999	240
HORZ(LL): -0.022	C	-	-
HORZ(TL): 0.038	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.733
Max BC CSI: 0.803
Max Web CSI: 0.673
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
L	1951 / -	/ -	/ -	/1267	/ -
M	1582 / -	/ -	/ -	/1045	/ -

Wind reactions based on MWFRS
L Brg Wid = 8.0 Min Req = 2.3 (Truss)
M Brg Wid = 8.0 Min Req = 1.9 (Truss)
Bearings L & M are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	333	- 135	D - E	2311	- 3592
B - C	1725	- 2549	E - F	1880	- 2797
C - D	2311	- 3592			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - L	83	- 272	J - I	2601	- 1741
L - K	73	- 218	I - H	2601	- 1741
K - J	2373	- 1596	H - G	53	- 39

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
L - B	1281	- 1838	J - E	1091	- 627
B - K	2426	- 1604	E - H	18	- 144
K - C	79	- 186	H - F	2600	- 1735
C - J	1343	- 787	F - G	1075	- 1563
D - J	201	- 244			

Lumber

Top chord: 2x4 SP #2; T2 2x6 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #2;

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 90 plf at 0.00 to 90 plf at 7.50
TC: From 45 plf at 7.50 to 45 plf at 18.67
TC: From 90 plf at 18.67 to 90 plf at 23.67
BC: From 20 plf at 0.00 to 20 plf at 7.46
BC: From 10 plf at 7.46 to 10 plf at 18.71
BC: From 20 plf at 18.71 to 20 plf at 23.67
TC: 132 lb Conc. Load at 8.09,10.09,12.09,14.08 16.08,18.08
BC: 124 lb Conc. Load at 7.46,18.71
BC: 84 lb Conc. Load at 8.09,10.09,12.09,14.08 16.08,18.08

Wind

Wind loads and reactions based on MWFRS.

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

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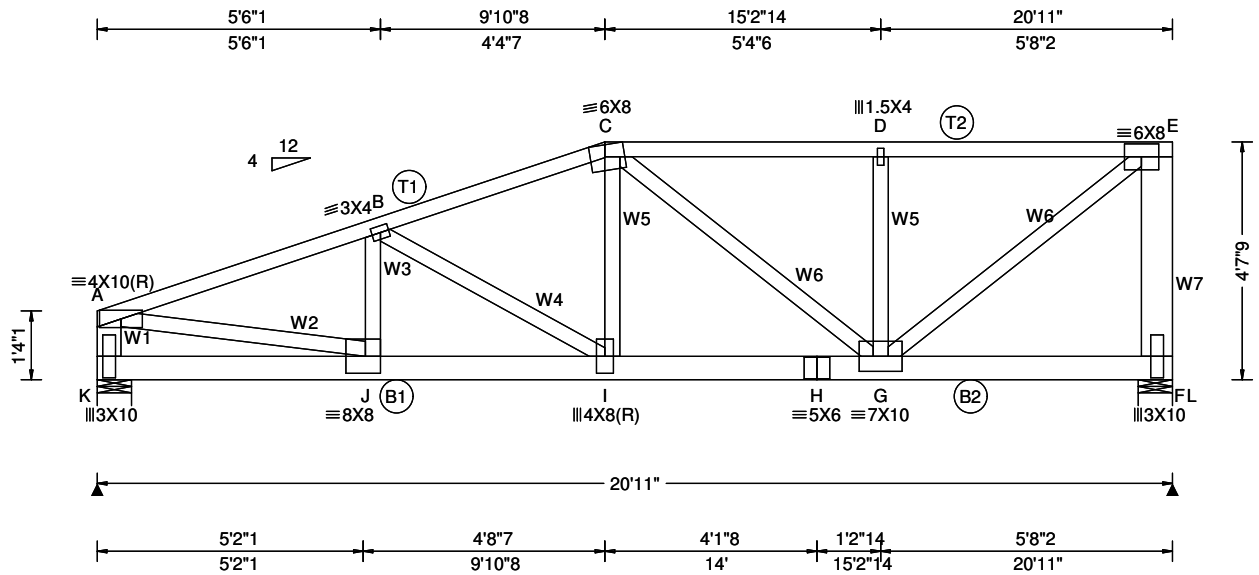
SEQN: 139983 / T25 / COMN FROM: AE	Ply: 3 Qty: 1 Wgt: 173.6 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 7MHG	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 26.40 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.134 I	999	360
VERT(CL):	0.244 I	999	240
HORZ(LL):	-0.027 E	-	-
HORZ(TL):	0.049 E	-	-

Creep Factor: 2.0
Max TC CSI: 0.461
Max BC CSI: 0.383
Max Web CSI: 0.927
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
K	7620	/-	/-	/-	/2855	/-
L	8180	/-	/-	/-	/3158	/-

Wind reactions based on MWFRS
K Brg Wid = 8.0 Min Req = 2.1 (Truss)
L Brg Wid = 8.0 Min Req = 2.3 (Truss)
Bearings K & L are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	1684	-4507	C - D	1167	-2986
B - C	1506	-3950	D - E	1167	-2986

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
K - J	209	-90	H - G	3729	-1410
J - I	4217	-1573	G - F	0	0
I - H	3729	-1410			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - K	869	-2250	C - G	311	-947
A - J	4106	-1511	D - G	163	-182
J - B	349	-28	G - E	3732	-1458
B - I	192	-577	E - F	934	-2310
C - I	1684	-547			

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP M-26;
Webs: 2x4 SP #2; W1 2x6 SP #2; W7 2x8 SP #2;

Nailnote

Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 4.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 90 plf at 0.00 to 90 plf at 20.92
BC: From 20 plf at 0.00 to 20 plf at 2.50
BC: From 10 plf at 2.50 to 10 plf at 20.92
BC: 1389 lb Conc. Load at 2.50, 4.50, 6.50
BC: 1381 lb Conc. Load at 8.50
BC: 1365 lb Conc. Load at 10.50,11.44,13.44,15.44
BC: 1339 lb Conc. Load at 17.44,19.44

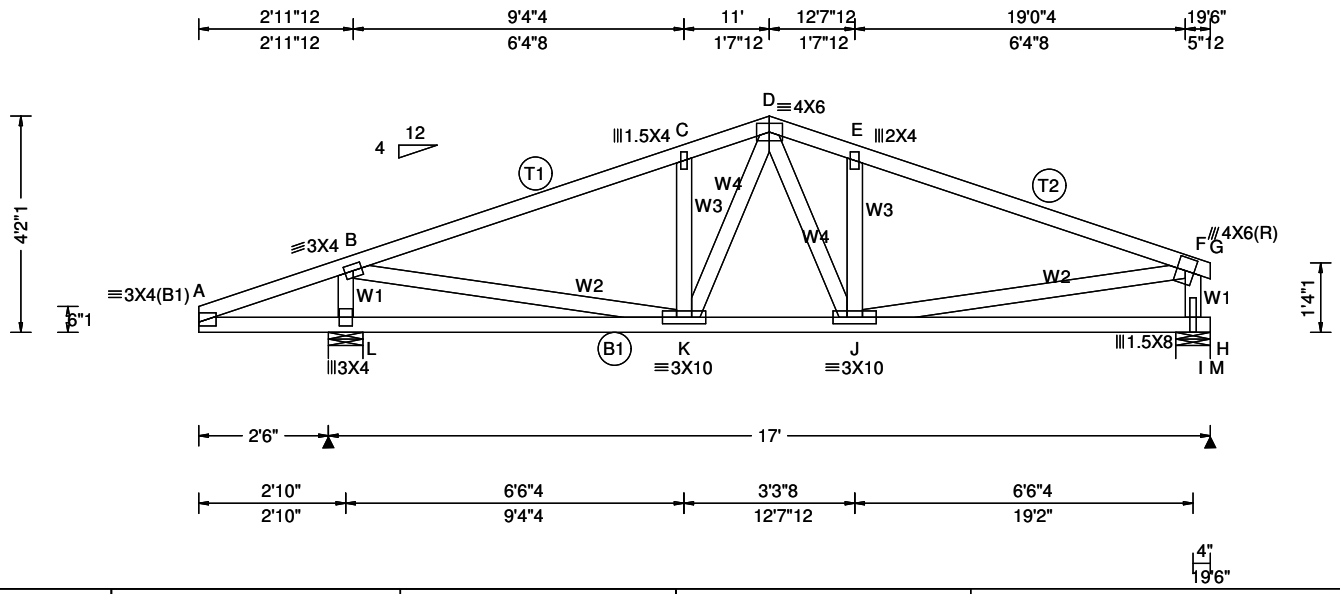
Wind

Wind loads and reactions based on MWFRS.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

SEQN: 201269 / T69 / SPEC FROM: AE	Ply: 1 Qty: 4 Wgt: 98.0 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 8T	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 25.76 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.039	E	999	360
VERT(CL): 0.072	E	999	240
HORZ(LL): -0.010	G	-	-
HORZ(TL): 0.017	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.784
Max BC CSI: 0.413
Max Web CSI: 0.474
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind
Member design based on both MWFRS and C&C.
Right end vertical not exposed to wind pressure.
Left cantilever is exposed to wind
Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
L	1245	/-	/-	/771	/797	/124
M	915	/-	/-	/604	/540	/-

Wind reactions based on C&C
L Brg Wid = 8.0 Min Req = 1.5 (Truss)
M Brg Wid = 8.0 Min Req = 1.5 (Truss)
Bearings L & I are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	290	- 268	D - E	988	- 1328
B - C	770	- 1278	E - F	794	- 1327
C - D	930	- 1255	F - G	5	0

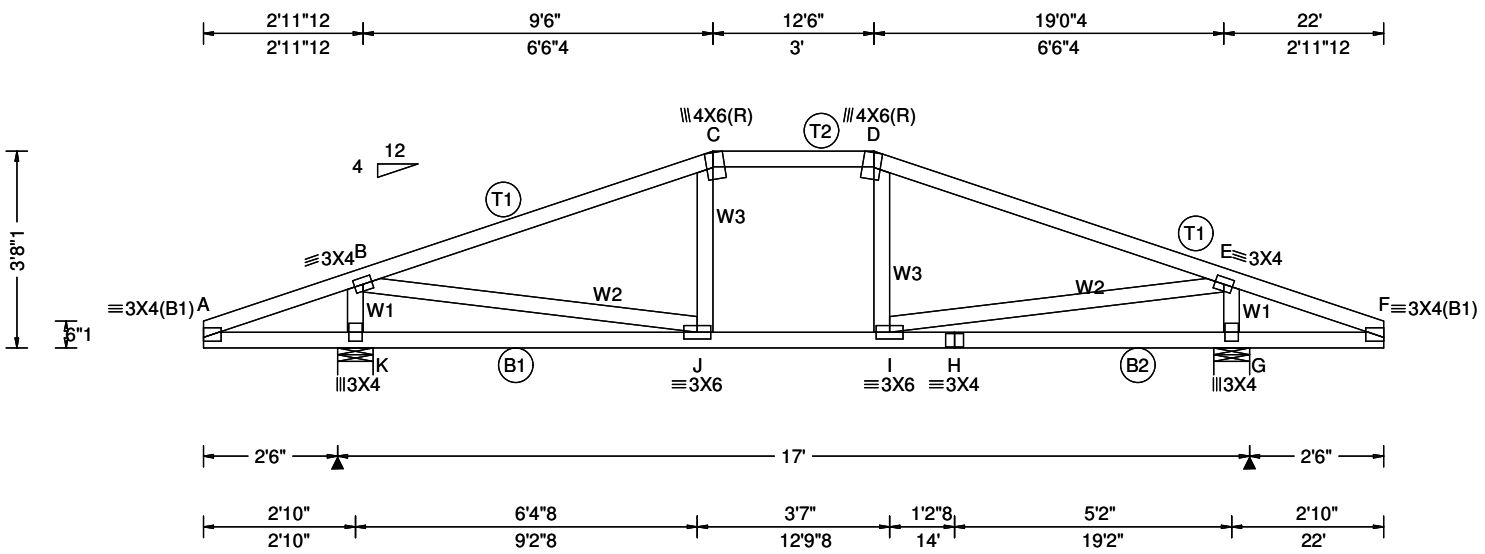
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - L	257	- 224	J - I	85	- 56
L - K	229	- 171	I - H	0	0
K - J	935	- 466			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
L - B	796	- 1114	D - J	612	- 495
B - K	1096	- 628	J - E	618	- 628
C - K	516	- 523	J - F	1111	- 601
K - D	469	- 403	F - I	576	- 850

SEQN: 201272 / T62 / HIPS FROM: AE	Ply: 1 Qty: 1 Wgt: 105.0 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 8H10	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 25.51 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.064	D	999	360
VERT(CL): 0.143	D	999	240
HORZ(LL): 0.025	C	-	-
HORZ(TL): 0.055	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.846
Max BC CSI: 0.455
Max Web CSI: 0.576
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
K	1225	/-	/-	/660	/812	/91
G	1225	/-	/-	/660	/812	/-

Wind reactions based on C&C
K Brg Wid = 8.0 Min Req = 1.5 (Truss)
G Brg Wid = 8.0 Min Req = 1.5 (Truss)
Bearings K & G are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	329	- 267	D - E	838	- 1166
B - C	839	- 1166	E - F	328	- 268
C - D	877	- 1019			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - K	256	- 267	I - H	208	- 201
K - J	233	- 201	H - G	208	- 201
J - I	1019	- 648	G - F	256	- 267

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
K - B	827	- 1106	D - I	190	- 123
B - J	1014	- 767	I - E	1013	- 767
J - C	190	- 124	E - G	827	- 1106

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind
Member design based on both MWFRS and C&C.
Left and right cantilevers are exposed to wind
Wind loading based on both gable and hip roof types.

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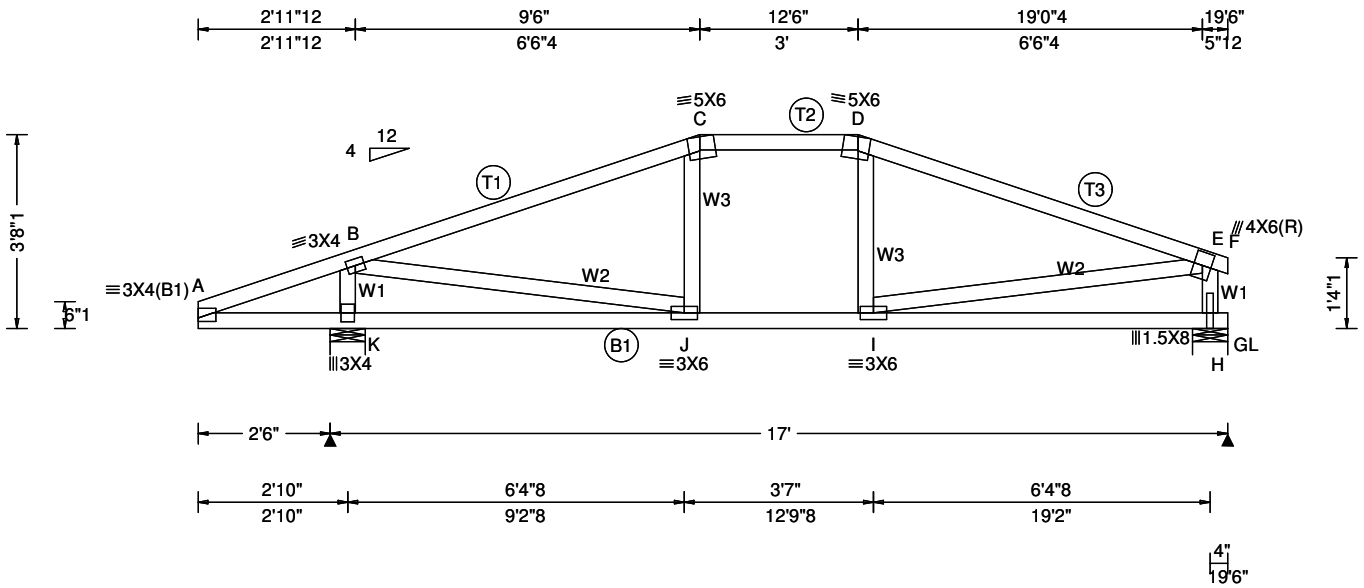
SEQN: 201275 / T65 / HIPS FROM: AE	Ply: 1 Qty: 1 Wgt: 96.6 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 8H10A	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 25.51 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.089	D	999	360
VERT(CL): 0.206	D	957	240
HORZ(LL): -0.035	D	-	-
HORZ(TL): 0.082	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.881
Max BC CSI: 0.593
Max Web CSI: 0.670
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber

Top chord: 2x4 SP #2; T3 2x4 SP #1;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind

Member design based on both MWFRS and C&C.

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
K	1245	/-	/-	/666	/920	/110
L	915	/-	/-	/429	/628	/-

Wind reactions based on C&C
K Brg Wid = 8.0 Min Req = 1.5 (Truss)
L Brg Wid = 8.0 Min Req = 1.5 (Truss)
Bearings K & H are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	358	- 289	D - E	992	- 1259
B - C	985	- 1267	E - F	5	0
C - D	1044	- 1115			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - K	278	- 296	I - H	115	- 75
K - J	218	- 227	H - G	0	0
J - I	1115	- 858			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
K - B	944	- 1138	D - I	247	- 133
B - J	1093	- 892	I - E	1025	- 799
J - C	187	- 117	E - H	658	- 844

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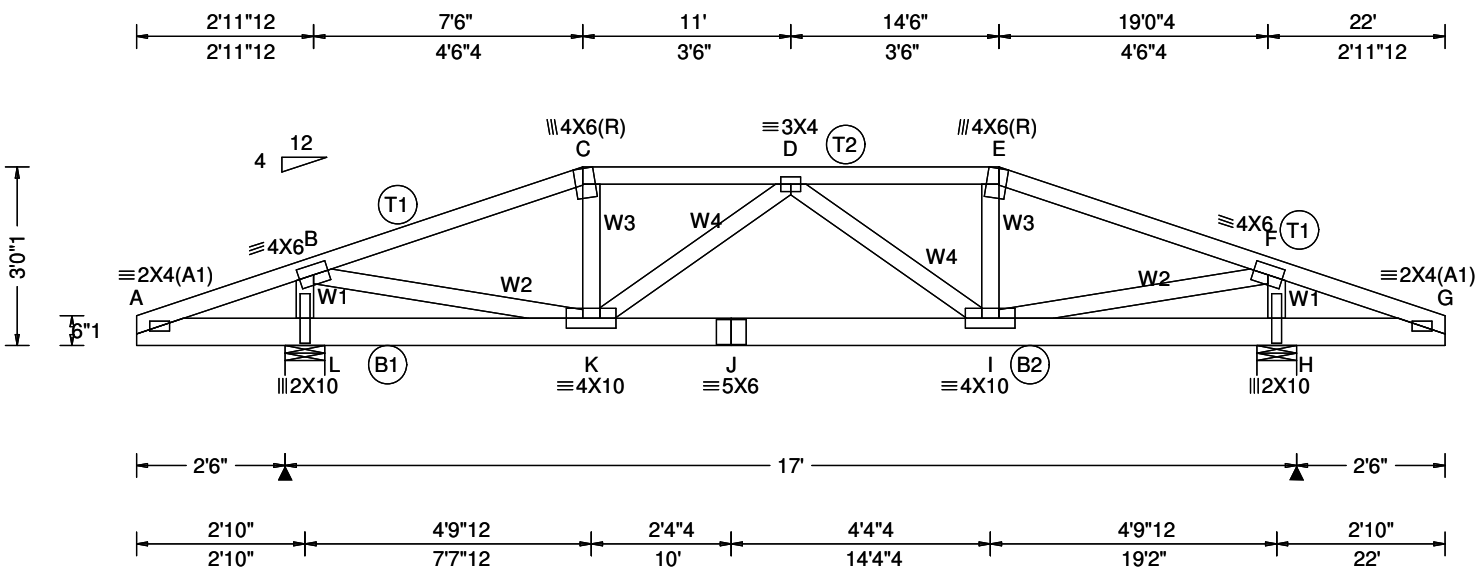
SEQN: 139986 / T35 / HIPS FROM: AE	Ply: 1 Qty: 1 Wgt: 123.2 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 8HG8	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 25.17 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): -0.058	D	999	360
VERT(CL): 0.097	D	999	240
HORZ(LL): -0.010	C	-	-
HORZ(TL): 0.016	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.484
Max BC CSI: 0.791
Max Web CSI: 0.518
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
L	1573 /-	/-	/-	/1048	/-
H	1573 /-	/-	/-	/1048	/-

Wind reactions based on MWFRS
L Brg Wid = 8.0 Min Req = 1.9 (Truss)
H Brg Wid = 8.0 Min Req = 1.9 (Truss)
Bearings L & H are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	332	- 150	D - E	1242	- 1772
B - C	1360	- 1925	E - F	1359	- 1923
C - D	1243	- 1774	F - G	332	- 149

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - L	96	- 271	J - I	1854	- 1309
L - K	61	- 222	I - H	61	- 222
K - J	1854	- 1309	H - G	95	- 271

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
L - B	1080	- 1501	D - I	85	- 124
B - K	1859	- 1264	I - E	311	- 181
C - K	312	- 181	I - F	1856	- 1262
K - D	83	- 124	F - H	1079	- 1499

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #2;

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	90 plf at	0.00 to	90 plf at	7.50	
TC: From	45 plf at	7.50 to	45 plf at	14.50	
TC: From	90 plf at	14.50 to	90 plf at	22.00	
BC: From	20 plf at	0.00 to	20 plf at	7.46	
BC: From	10 plf at	7.46 to	10 plf at	14.54	
BC: From	20 plf at	14.54 to	20 plf at	22.00	

TC: 132 lb Conc. Load at 8.09,10.09,11.91,13.91
BC: 124 lb Conc. Load at 7.46,14.54
BC: 84 lb Conc. Load at 8.09,10.09,11.91,13.91

Wind

Wind loads and reactions based on MWFRS.

Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

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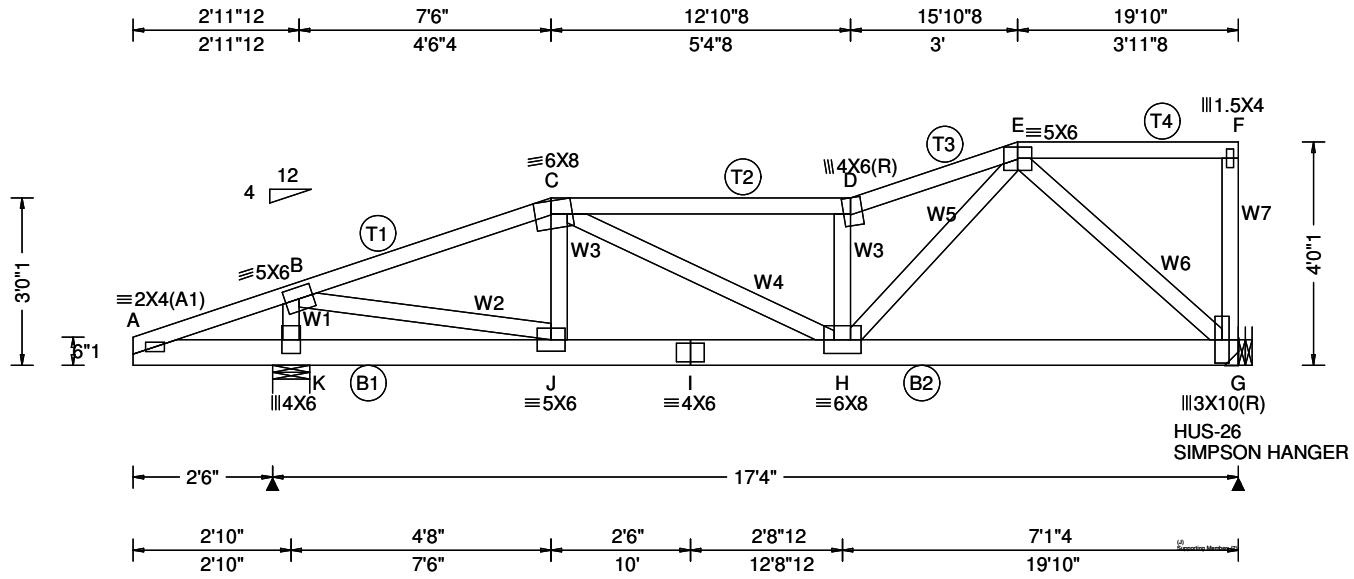
SEQN: 139989 / T36 / SPEC FROM: AE	Ply: 1 Qty: 1 Wgt: 64.4 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 8MHG8	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 25.67 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.074	D	999	360
VERT(CL): 0.136	D	999	240
HORZ(LL): -0.017	F	-	-
HORZ(TL): 0.030	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.696
Max BC CSI: 0.653
Max Web CSI: 0.664
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
K	1973 /-	/-	/-	/1153	/-
G	1196 /-	/-	/-	/701	/-

Wind reactions based on MWFRS
K Brg Wid = 8.0 Min Req = 2.3 (Truss)
G Brg Wid = - Min Req = -
Bearing K is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	328	- 137	D - E	1428	- 2480
B - C	1505	- 2594	E - F	5	- 9
C - D	1267	- 2234			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - K	85	- 268	I - H	2399	- 1377
K - J	86	- 210	H - G	1044	- 629
J - I	2399	- 1377			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
K - B	1140	- 1814	H - D	786	- 1179
B - J	2439	- 1397	H - E	1917	- 1040
C - J	430	- 206	E - G	846	- 1404
C - H	310	- 184	F - G	155	- 184

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #2;

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	90 plf at	0.00 to	90 plf at	19.83
BC: From	20 plf at	0.00 to	20 plf at	7.46
BC: From	10 plf at	7.46 to	10 plf at	7.81
BC: From	20 plf at	7.81 to	20 plf at	19.83

BC: 124 lb Conc. Load at 7.46
BC: 867 lb Conc. Load at 7.81

Wind

Wind loads and reactions based on MWFRS.
Right end vertical not exposed to wind pressure.
Left cantilever is exposed to wind
Wind loading based on both gable and hip roof types.

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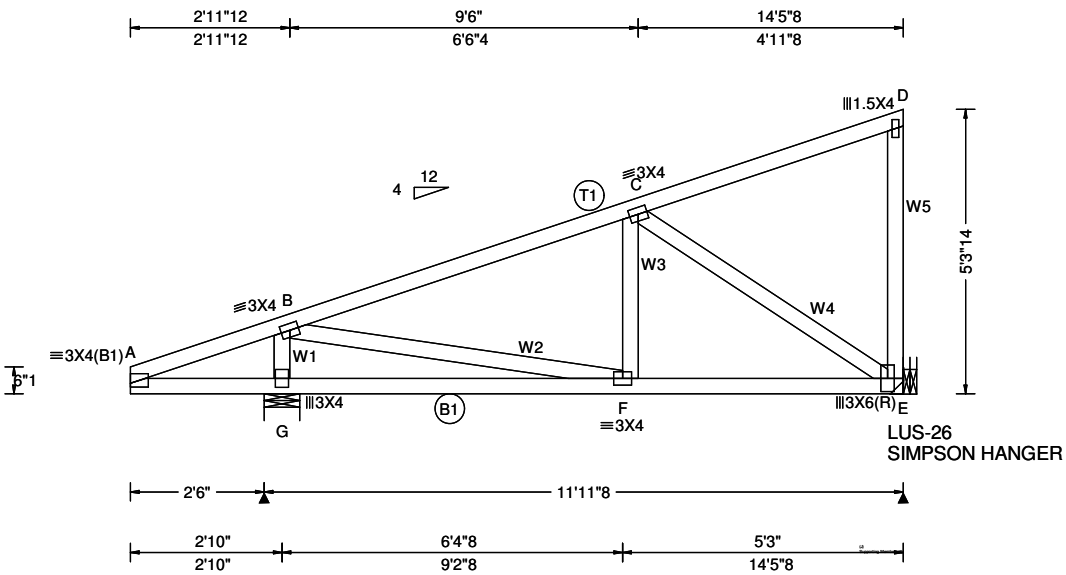
SEQN: 201235 / T53 / MONO FROM: AE	Ply: 1 Qty: 1 Wgt: 75.6 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 9M	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 26.33 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.013	F	999	360
VERT(CL): 0.024	F	999	240
HORZ(LL): -0.006	D	-	-
HORZ(TL): 0.011	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.761
Max BC CSI: 0.409
Max Web CSI: 0.456
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Hangers / Ties
(J) Hanger Support Required, by others

Wind
Member design based on both MWFRS and C&C.
Right end vertical not exposed to wind pressure.
Left cantilever is exposed to wind
Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	989	/-	/-	/590	/717	/486
E	622	/-	/-	/440	/533	/-

Wind reactions based on C&C
G Brg Wid = 8.0 Min Req = 1.5 (Truss)
E Brg Wid = - Min Req = -
Bearing G is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	309	- 313	C - D	52	- 96
B - C	300	- 750			

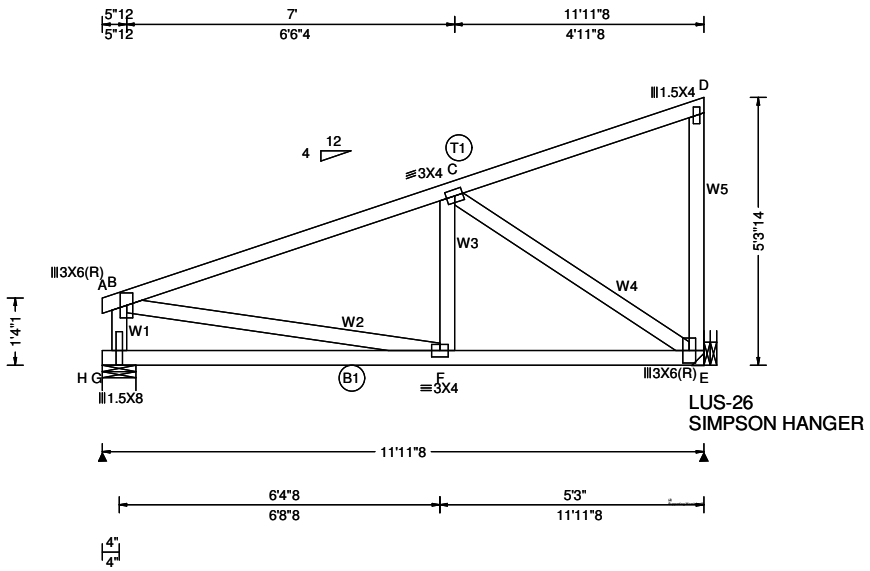
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - G	305	- 242	F - E	625	- 561
G - F	295	- 487			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
G - B	708	- 871	C - E	676	- 753
B - F	650	- 231	D - E	180	- 163
F - C	183	0			

SEQN: 201238 / T27 / MONO FROM: AE	Ply: 1 Qty: 1 Wgt: 71.4 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 9MA	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 26.75 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.019	A	114	360
VERT(CL): 0.027	F	999	240
HORZ(LL): -0.007	E	-	-
HORZ(TL): 0.010	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.923
Max BC CSI: 0.487
Max Web CSI: 0.500
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
H	668	/-	/-	/414	/422	/454
E	647	/-	/-	/442	/644	/-

Wind reactions based on C&C
H Brg Wid = 8.0 Min Req = 1.5 (Truss)
E Brg Wid = - Min Req = -
Bearing H is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	5	0	C - D	47	-95
B - C	398	-807			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
H - G	0	0	F - E	686	-711
G - F	131	-524			

Maximum Web Forces Per Ply (lbs)

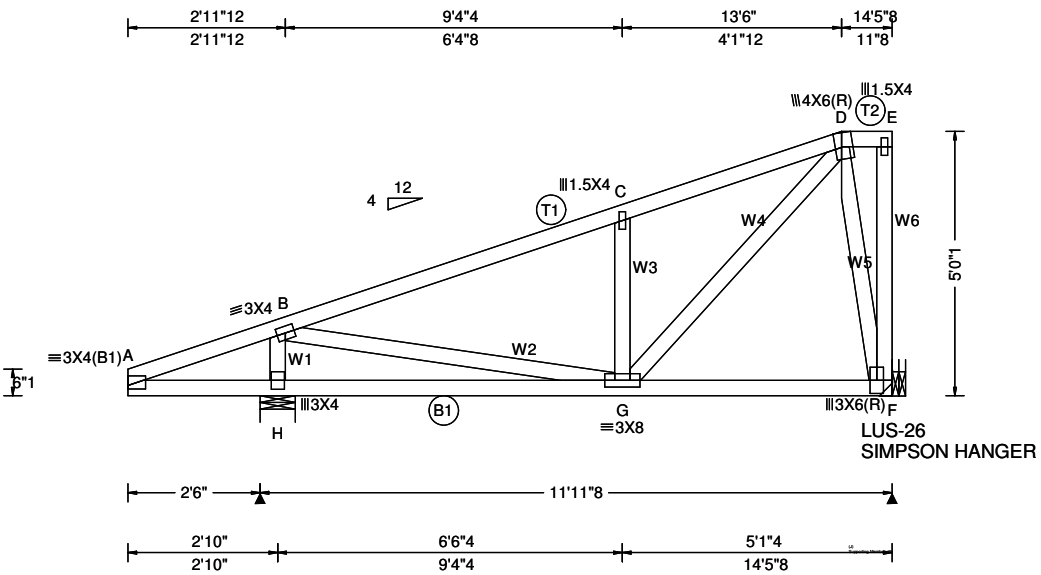
Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - G	455	-608	C - E	856	-826
B - F	618	-180	D - E	188	-149
F - C	220	0			

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Hangers / Ties
(J) Hanger Support Required, by others

Wind
Member design based on both MWFRS and C&C.
End verticals not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

SEQN: 201241 / T52 / HIPM FROM: AE	Ply: 1 Qty: 1 Wgt: 88.2 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 9MH14	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 26.17 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.017	C	999	360
VERT(CL): 0.031	C	999	240
HORZ(LL): -0.007	E	-	-
HORZ(TL): 0.013	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.614
Max BC CSI: 0.337
Max Web CSI: 0.449
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
H	989	/-	/-	/590	/733	/453
F	622	/-	/-	/291	/601	/-

Wind reactions based on C&C
H Brg Wid = 8.0 Min Req = 1.5 (Truss)
F Brg Wid = - Min Req = -
Bearing H is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	305	- 313	C - D	533	- 734
B - C	335	- 750	D - E	0	0

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - H	305	- 238	G - F	110	- 109
H - G	289	- 455			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
H - B	725	- 867	G - D	772	- 662
B - G	645	- 264	D - F	548	- 551
C - G	599	- 543	E - F	85	- 43

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Hangers / Ties
(J) Hanger Support Required, by others

Wind
Member design based on both MWFRS and C&C.
Right end vertical not exposed to wind pressure.
Left cantilever is exposed to wind
Wind loading based on both gable and hip roof types.

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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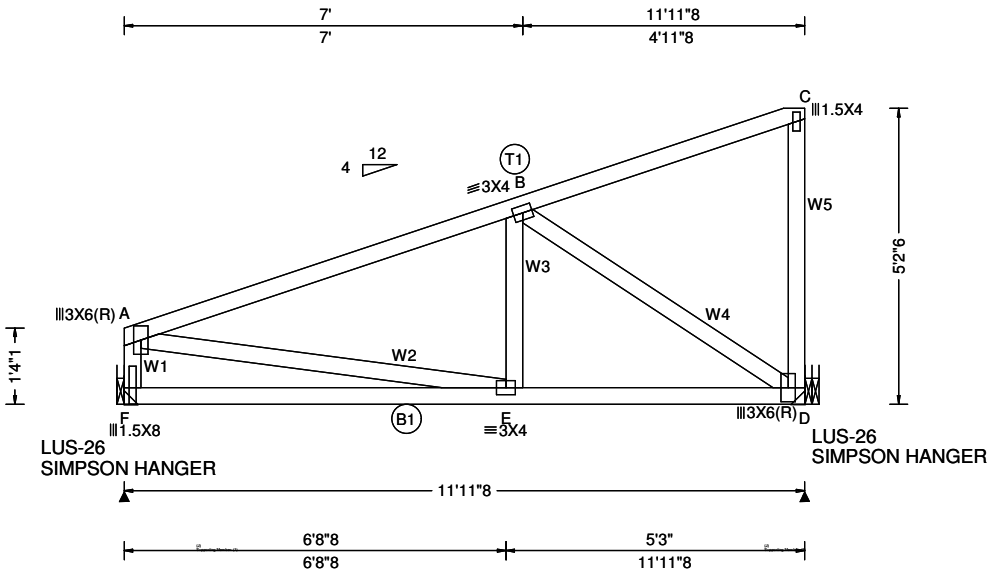
SEQN: 201244 / T45 / HIPM FROM: AE	Ply: 1 Qty: 1 Wgt: 70.0 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 9MH14A	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 26.69 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.016	E	999	360
VERT(CL): 0.029	E	999	240
HORZ(LL): -0.007	D	-	-
HORZ(TL): 0.011	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.959
Max BC CSI: 0.507
Max Web CSI: 0.515
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	658	/-	/-	/408	/420	/440
D	659	/-	/-	/429	/611	/-

Wind reactions based on C&C
F Brg Wid = - Min Req = -
D Brg Wid = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	421	-833	B - C	46	-96

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
F - E	137	-522	E - D	707	-723

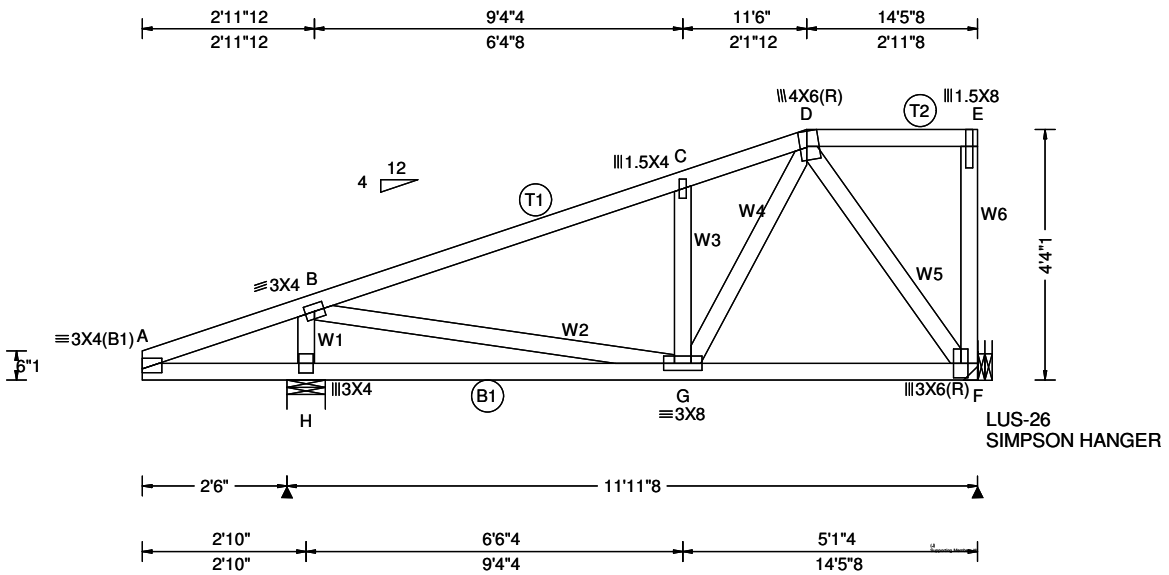
Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - F	452	-599	B - D	870	-852
A - E	626	-194	C - D	146	-146
E - B	230	0			

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind
Member design based on both MWFRS and C&C.
End verticals not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

SEQN: 201247 / T51 / HIPM FROM: AE	Ply: 1 Qty: 1 Wgt: 84.0 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 9MH12	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 25.84 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.014	C	999	360
VERT(CL): 0.025	C	999	240
HORZ(LL): -0.005	E	-	-
HORZ(TL): 0.009	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.648
Max BC CSI: 0.370
Max Web CSI: 0.264
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
H	989	/-	/-	/592	/786	/384
F	622	/-	/-	/291	/722	/-

Wind reactions based on C&C
H Brg Wid = 8.0 Min Req = 1.5 (Truss)
F Brg Wid = - Min Req = -
Bearing H is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	302	- 305	C - D	615	- 715
B - C	441	- 745	D - E	0	0

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - H	296	- 235	G - F	329	- 352
H - G	270	- 400			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
H - B	779	- 869	G - D	607	- 484
B - G	632	- 349	D - F	596	- 558
C - G	545	- 497	E - F	262	- 133

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Hangers / Ties

(J) Hanger Support Required, by others

Wind

Member design based on both MWFRS and C&C.

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

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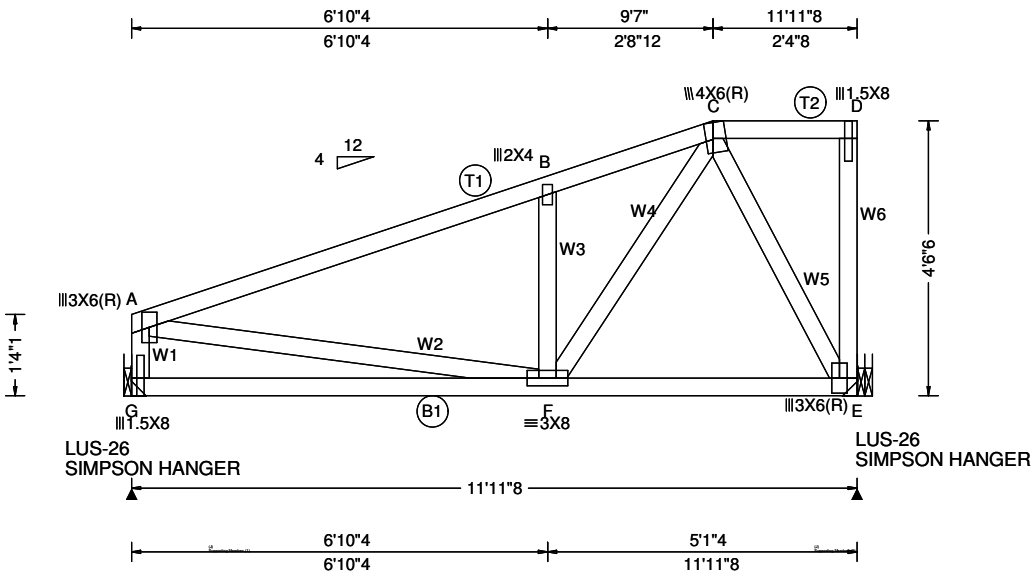
SEQN: 201250 / T6 / HIPM FROM: AE	Ply: 1 Qty: 1 Wgt: 75.6 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 9MH12A	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 26.35 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.017	B	999	360
VERT(CL): 0.032	B	999	240
HORZ(LL): -0.006	D	-	-
HORZ(TL): 0.011	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.883
Max BC CSI: 0.452
Max Web CSI: 0.317
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	658	/-	/-	/367	/469	/362
E	658	/-	/-	/322	/806	/-

Wind reactions based on C&C
G Brg Wid = - Min Req = -
E Brg Wid = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	534	- 835	C - D	0	0
B - C	774	- 821			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
G - F	123	- 444	F - E	289	- 335

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - G	503	- 598	F - C	766	- 736
A - F	626	- 303	C - E	685	- 591
B - F	756	- 594	D - E	227	- 107

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Hangers / Ties
(J) Hanger Support Required, by others

Wind
Member design based on both MWFRS and C&C.
End verticals not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

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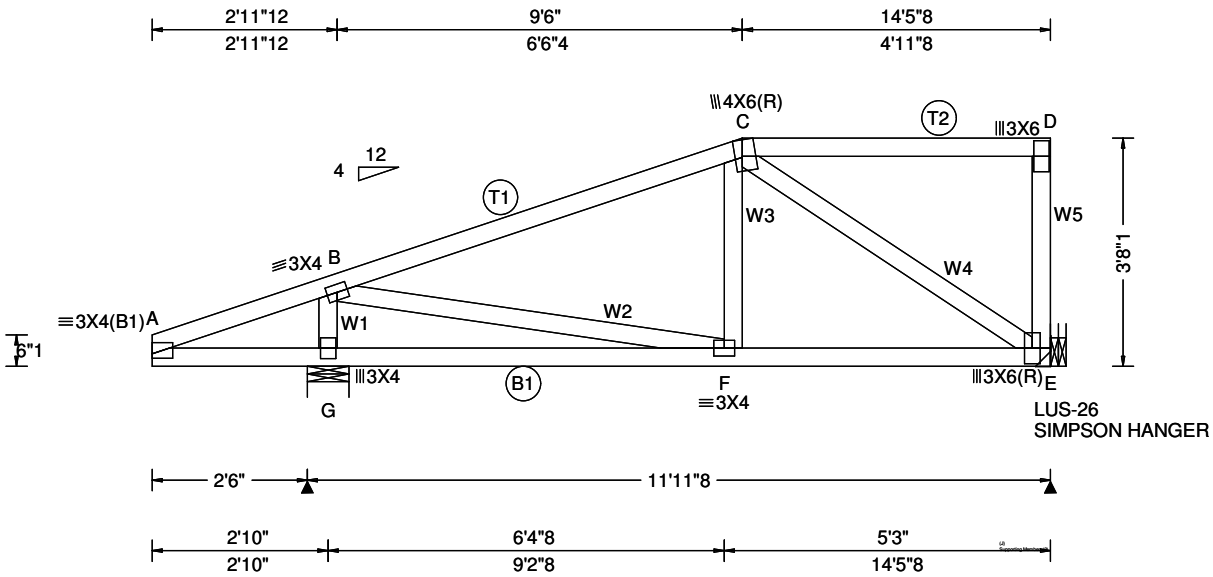
SEQN: 201253 / T47 / HIPM FROM: AE	Ply: 1 Qty: 1 Wgt: 78.4 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 9MH10	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 25.51 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.011	A	999	360
VERT(CL): 0.017	A	999	240
HORZ(LL): -0.006	E	-	-
HORZ(TL): 0.007	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.936
Max BC CSI: 0.331
Max Web CSI: 0.376
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Hangers / Ties
(J) Hanger Support Required, by others

Wind
Member design based on both MWFRS and C&C.
Right end vertical not exposed to wind pressure.
Left cantilever is exposed to wind
Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	989	/-	/-	/592	/865	/316
E	622	/-	/-	/290	/816	/-

Wind reactions based on C&C
G Brg Wid = 8.0 Min Req = 1.5 (Truss)
E Brg Wid = - Min Req = -
Bearing G is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	286	- 247	C - D	25	- 15
B - C	526	- 672			

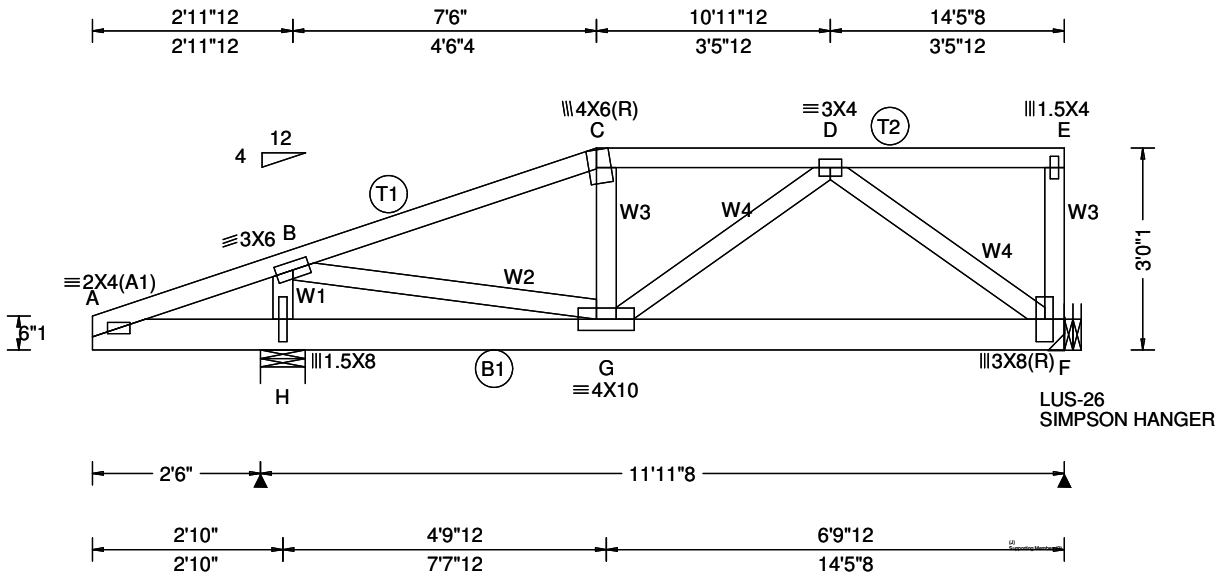
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - G	232	- 221	F - E	527	- 589
G - F	276	- 420			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
G - B	866	- 882	C - E	682	- 620
B - F	472	- 381	D - E	454	- 231
F - C	191	0			

SEQN: 139992 / T96 / HIPM FROM: AE	Ply: 1 Qty: 1 Wgt: 86.8 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 9MHG8	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 25.17 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	-0.023 G	999	360
VERT(CL):	0.039 G	999	240
HORZ(LL):	-0.004 E	-	-
HORZ(TL):	0.007 E	-	-

Creep Factor: 2.0
Max TC CSI: 0.453
Max BC CSI: 0.785
Max Web CSI: 0.345
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
H	1204	/-	/-	/-	/783	/-
F	992	/-	/-	/-	/620	/-

Wind reactions based on MWFRS
H Brg Wid = 8.0 Min Req = 1.5 (Truss)
F Brg Wid = - Min Req = -
Bearing H is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	339	- 184	C - D	778	- 1141
B - C	878	- 1269	D - E	9	- 17

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - H	128	- 277	G - F	692	- 486
H - G	51	- 234			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
H - B	841	- 1180	G - D	571	- 373
B - G	1303	- 850	D - F	598	- 847
C - G	109	- 129	E - F	56	- 68

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #2;

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 90 plf at 0.00 to 90 plf at 7.50
TC: From 45 plf at 7.50 to 45 plf at 14.46
BC: From 20 plf at 0.00 to 20 plf at 7.46
BC: From 10 plf at 7.46 to 10 plf at 14.46
TC: 132 lb Conc. Load at 8.15,10.15,12.15,13.65
BC: 124 lb Conc. Load at 7.46
BC: 84 lb Conc. Load at 8.15,10.15,12.15,13.65

Hangers / Ties

(J) Hanger Support Required, by others

Wind

Wind loads and reactions based on MWFRS.
Right end vertical not exposed to wind pressure.
Left cantilever is exposed to wind
Wind loading based on both gable and hip roof types.

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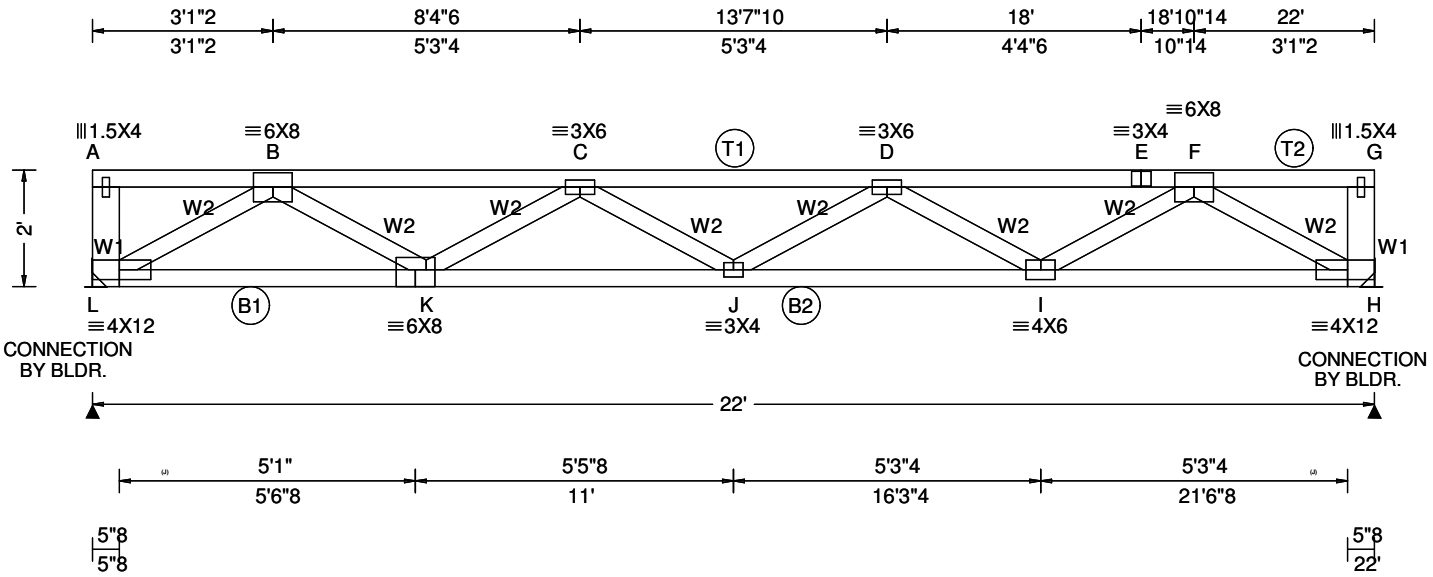
SEQN: 200902 / T1 / FLAT FROM: AE	Ply: 1 Qty: 15 Wgt: 103.6 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** 1FRT	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.00
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.00

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.224	J	999	360
VERT(CL): 0.407	J	648	240
HORZ(LL): 0.050	H	-	-
HORZ(TL): 0.091	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.665
Max BC CSI: 0.779
Max Web CSI: 0.653
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
L	1201	/-	/-	/561	/447	/-
H	1201	/-	/-	/561	/447	/-

Wind reactions based on MWFRS
L Brg Wid = - Min Req = -
H Brg Wid = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	16	-22	D - E	2841	-2928
B - C	2843	-2928	E - F	2841	-2928
C - D	3665	-3820	F - G	16	-22

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
L - K	1928	-2040	J - I	3746	-3767
K - J	3747	-3768	I - H	1930	-2041

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - L	142	-103	J - D	176	-14
L - B	2312	-2178	D - I	1117	-975
B - K	1192	-973	I - F	1190	-970
K - C	1118	-976	F - H	2313	-2179
C - J	176	-13	G - H	140	-101

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B2 2x4 SP #1;
Webs: 2x4 SP #2; W1 2x6 SP #2;

Wind

Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

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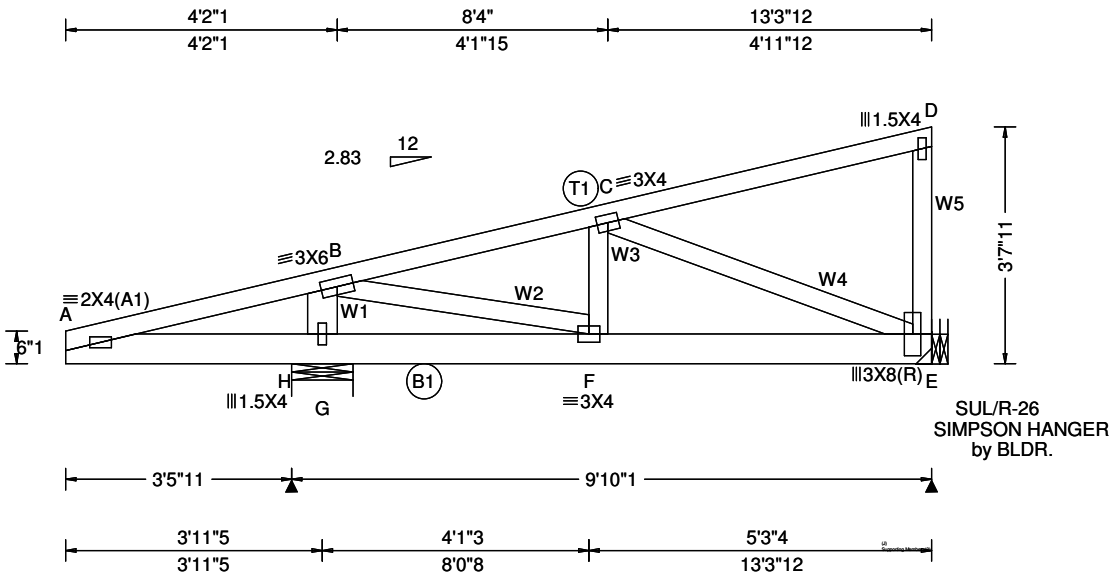
SEQN: 139944 / T55 / HIP_	Ply: 1	**Job Number:** 23081008	DRW:
FROM: AE	Qty: 1	5900 RES.	... / ... 07/25/2024
	Wgt: 291.2 lbs	**Truss Label:** CJ10	



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 25.49 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	-0.023 F	999	360
VERT(CL):	0.033 A	999	240
HORZ(LL):	-0.004 E	-	-
HORZ(TL):	0.004 E	-	-

Creep Factor: 2.0
Max TC CSI: 0.196
Max BC CSI: 0.640
Max Web CSI: 0.188
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
H	662	/-	/-	/-	/1015	/-
E	296	/-	/-	/-	/475	/-

Wind reactions based on MWFRS
H Brg Wid = 11.3 Min Req = 1.5 (Truss)
E Brg Wid = - Min Req = -
Bearing H is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	445	0	C - D	10	-25
B - C	757	-296			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - G	0	-435	F - E	270	-677
G - F	0	-387			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
G - B	327	-452	C - E	728	-287
B - F	574	-616	D - E	0	-65
F - C	28	-468			

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #2; W1 2x6 SP #2;

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 2 plf at 0.00 to 2 plf at 13.31
BC: From 2 plf at 0.00 to 2 plf at 13.31
TC: 262 lb Conc. Load at 2.83
TC: -129 lb Conc. Load at 5.66
TC: 303 lb Conc. Load at 11.31
BC: 178 lb Conc. Load at 2.83
BC: -194 lb Conc. Load at 5.66
BC: 13 lb Conc. Load at 8.49
BC: 188 lb Conc. Load at 11.31

Hangers / Ties

(J) Hanger Support Required, by others

Wind

Wind loads and reactions based on MWFRS.

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

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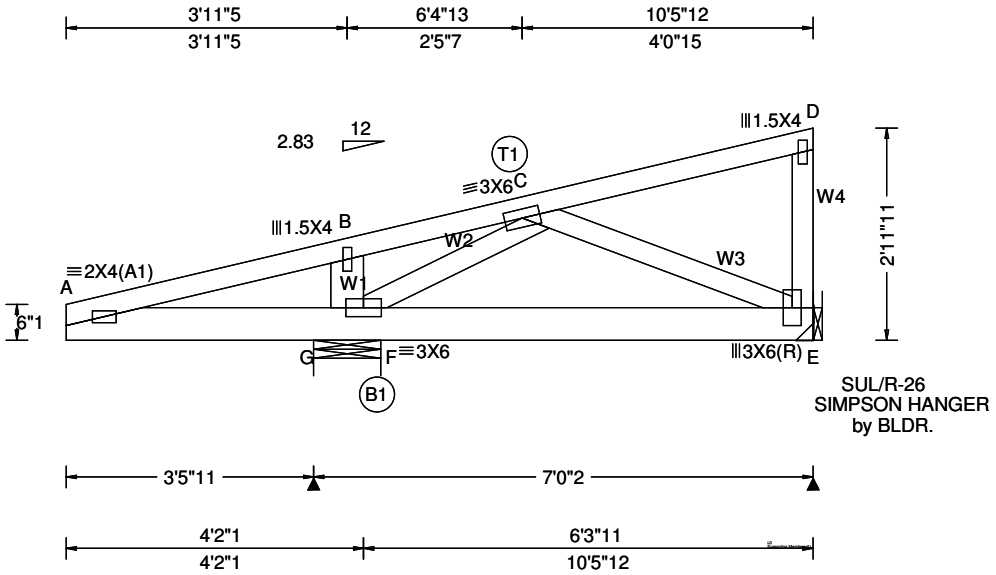
SEQN: 139947 / T13 / HIP_	Ply: 1	**Job Number:** 23081008	DRW:
FROM: AE	Qty: 11	5900 RES.	... / ... 07/25/2024
	Wgt: 221.2 lbs	**Truss Label:** CJ8	



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 25.16 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.031 A	999	360
VERT(CL):	0.044 A	999	240
HORZ(LL):	-0.003 B	-	-
HORZ(TL):	0.005 B	-	-

Creep Factor: 2.0
Max TC CSI: 0.204
Max BC CSI: 0.478
Max Web CSI: 0.063
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	610	/-	/-	/-	/890	/-
E	124	/-154	/-	/-	/205	/-

Wind reactions based on MWFRS
G Brg Wid = 11.3 Min Req = 1.5 (Truss)
E Brg Wid = - Min Req = -
Bearing G is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	546	0	C - D	10	-21
B - C	548	0			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - F	0	-532	F - E	0	-246

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - F	0	-109	C - E	259	0
F - C	0	-361	D - E	0	-53

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #2; W1 2x6 SP #2;

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 2 plf at 0.00 to 2 plf at 10.48
BC: From 2 plf at 0.00 to 2 plf at 10.48
TC: 262 lb Conc. Load at 2.83
TC: -129 lb Conc. Load at 5.66
BC: 178 lb Conc. Load at 2.83
BC: -194 lb Conc. Load at 5.66
BC: 13 lb Conc. Load at 8.49

Hangers / Ties

(J) Hanger Support Required, by others

Wind

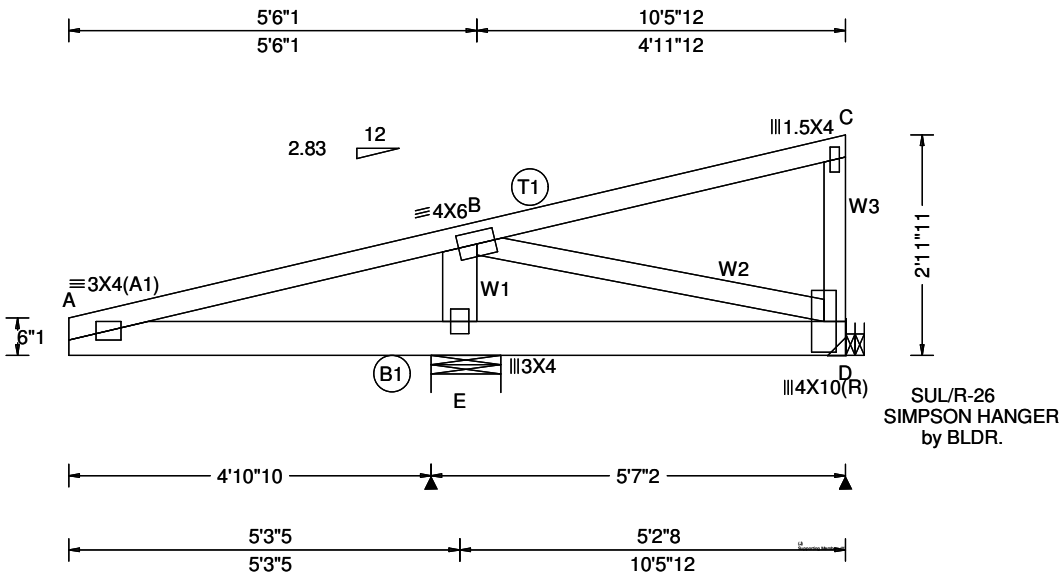
Wind loads and reactions based on MWFRS.

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

SEQN: 139950 / T108 / HIP_ FROM: GO	Ply: 1 Qty: 2 Wgt: 57.4 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** CJ8A	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 25.99 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.134	A	472	360
VERT(CL): 0.204	A	309	240
HORZ(LL): -0.016	B	-	-
HORZ(TL): 0.024	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.815
Max BC CSI: 0.775
Max Web CSI: 0.395
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
E	1165 / -	/ -	/ -	/1348	/ -
D	- / -391	/ -	/134	/96	/ -

Wind reactions based on MWFRS
E Brg Wid = 11.3 Min Req = 1.5 (Truss)
D Brg Wid = - Min Req = -
Bearing E is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	1886	- 954	B - C	9	- 25

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - E	926	- 1829	E - D	856	- 1688

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
E - B	493	- 993	C - D	14	- 54
B - D	1750	- 890			

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #2; W1 2x6 SP #2;

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 2 plf at 0.00 to 2 plf at 10.48
BC: From 2 plf at 0.00 to 2 plf at 10.48
TC: 400 lb Conc. Load at 0.37
TC: 253 lb Conc. Load at 2.83
TC: -228 lb Conc. Load at 5.66
TC: 189 lb Conc. Load at 8.49
BC: 173 lb Conc. Load at 2.83
BC: -223 lb Conc. Load at 5.66
BC: 168 lb Conc. Load at 8.49

Wind

Wind loads and reactions based on MWFRS.

Right end vertical not exposed to wind pressure.

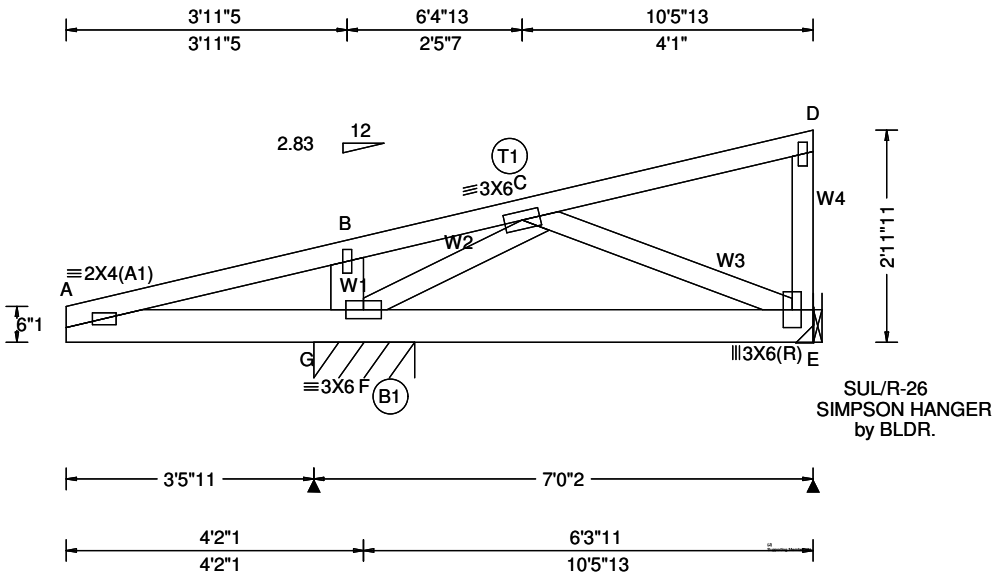
Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -391# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

SEQN: 139953 / T12 / HIP_	Ply: 1	**Job Number:** 23081008	DRW:
FROM: AE	Qty: 1	5900 RES.	... / ... 07/25/2024
	Wgt: 60.2 lbs	**Truss Label:** CJ8P	



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Part. Enc.
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.55
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.026 A	999	360
VERT(CL):	0.039 A	999	240
HORZ(LL):	-0.003 C	-	-
HORZ(TL):	0.004 B	-	-

Creep Factor: 2.0
Max TC CSI: 0.511
Max BC CSI: 0.264
Max Web CSI: 0.077
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs), or *=PLF

	Gravity		Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G*	430	/-	/-	/-	/685	/-
E	124	/-16	/-	/-	/351	/-

Wind reactions based on MWFRS
G Brg Wid = 17.0 Min Req = -
E Brg Wid = - Min Req = -
Bearing G is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	498	0	C - D	41	-33
B - C	500	0			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - F	0	-438	F - E	0	-415

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - F	167	-184	C - E	434	0
F - C	426	-359	D - E	74	-106

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #2; W1 2x6 SP #2;

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 2 plf at 0.00 to 2 plf at 10.48
BC: From 2 plf at 0.00 to 2 plf at 10.48
TC: 262 lb Conc. Load at 2.83
TC: -138 lb Conc. Load at 5.66
TC: 223 lb Conc. Load at 8.49
BC: 178 lb Conc. Load at 2.83
BC: -198 lb Conc. Load at 5.66
BC: -3 lb Conc. Load at 8.49

Plating Notes

All plates are 1.5X4 except as noted.

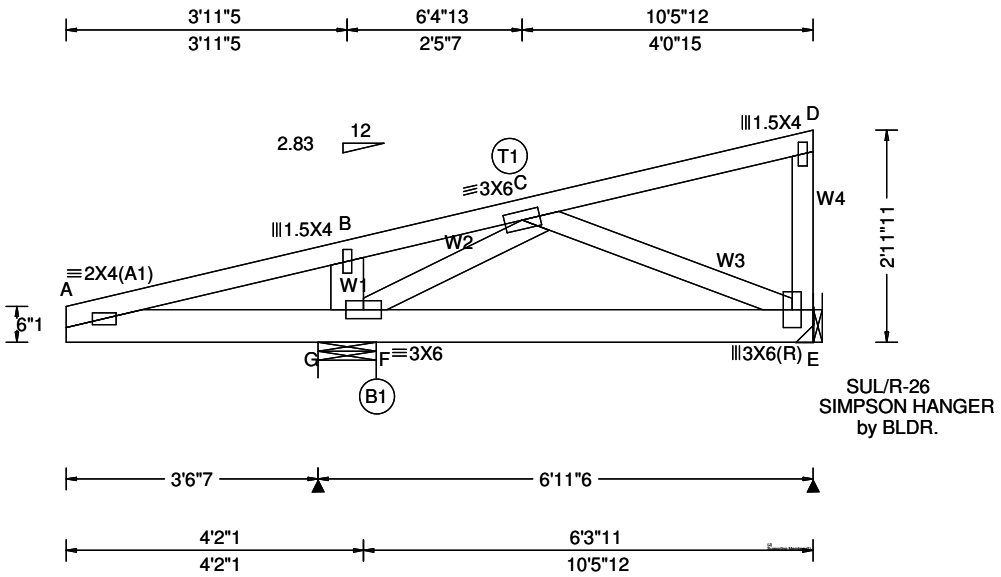
Hangers / Ties

(J) Hanger Support Required, by others

Wind

Wind loads and reactions based on MWFRS.
Right end vertical not exposed to wind pressure.
Left cantilever is exposed to wind
Wind loading based on both gable and hip roof types.

SEQN: 139956 / T21 / HIP_	Ply: 1	**Job Number:** 23081008	DRW:
FROM: AE	Qty: 1	5900 RES.	... / ... 07/25/2024
	Wgt: 51.8 lbs	**Truss Label:** CJ8AP	



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Part. Enc.
Risk Category: II
EXP: C Kzt: NA
Mean Height: 25.99 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.55
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.032 A	999	360
VERT(CL):	0.037 A	999	240
HORZ(LL):	-0.003 B	-	-
HORZ(TL):	0.004 B	-	-

Creep Factor: 2.0
Max TC CSI: 0.172
Max BC CSI: 0.645
Max Web CSI: 0.078
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	610	/-	/-	/-	/1053	/-
E	124	/-11	/-	/-	/438	/-

Wind reactions based on MWFRS
G Brg Wid = 9.8 Min Req = 1.5 (Truss)
E Brg Wid = - Min Req = -
Bearing G is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	459	0	C - D	17	-21
B - C	461	0			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - F	0	-449	F - E	0	-204

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - F	0	-109	C - E	219	0
F - C	0	-359	D - E	0	-53

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #2; W1 2x6 SP #2;

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 2 plf at 0.00 to 2 plf at 10.48
BC: From 2 plf at 0.00 to 2 plf at 10.48
TC: 262 lb Conc. Load at 2.83
TC: -129 lb Conc. Load at 5.66
TC: 224 lb Conc. Load at 8.49
BC: 178 lb Conc. Load at 2.83
BC: -194 lb Conc. Load at 5.66
BC: -3 lb Conc. Load at 8.49

Wind

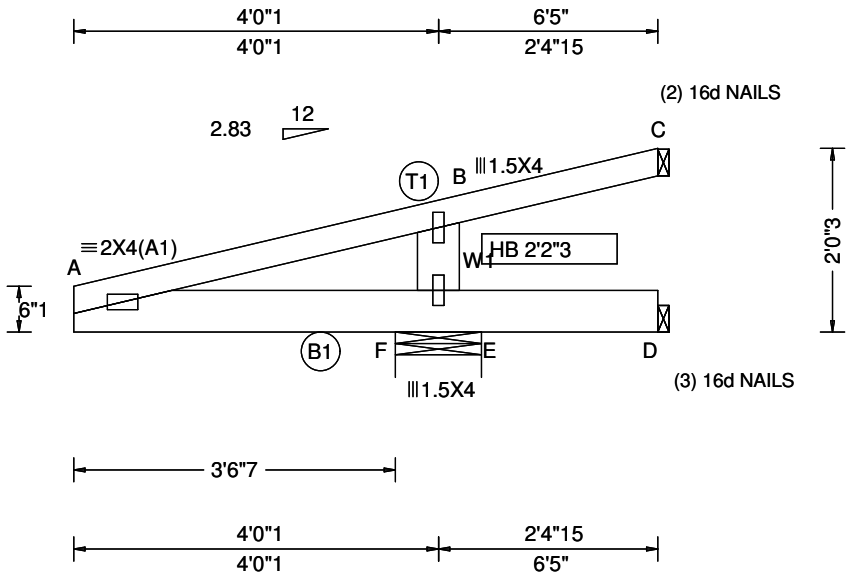
Wind loads and reactions based on MWFRS.

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

SEQN: 139959 / T49 / HIP_ FROM: AE	Ply: 1 Qty: 1 Wgt: 28.7 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** CJ6	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.149	A	341	360
VERT(CL): 0.217	A	234	240
HORZ(LL): -0.039	C	-	-
HORZ(TL): 0.057	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.463
Max BC CSI: 0.438
Max Web CSI: 0.050
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x6 SP #2;

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 2 plf at 0.00 to 2 plf at 6.42
BC: From 2 plf at 0.00 to 2 plf at 6.42
TC: 262 lb Conc. Load at 2.83
TC: -129 lb Conc. Load at 5.66
BC: 178 lb Conc. Load at 2.83
BC: -194 lb Conc. Load at 5.66

Wind

Wind loads and reactions based on MWFRS.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -331# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	661	/-	/-	/-	/619	/-
D	-	/-331	/-	/-	/207	/-
C	-	/-177	/-	/-	/179	/-

Wind reactions based on MWFRS
F Brg Wid = 11.3 Min Req = 1.5 (Truss)
D Brg Wid = 1.5 Min Req = -
C Brg Wid = 1.5 Min Req = -
Bearing F is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	104	-46	B - C	41	-41

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - E	26	-84	E - D	0	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
B - E	277	-282

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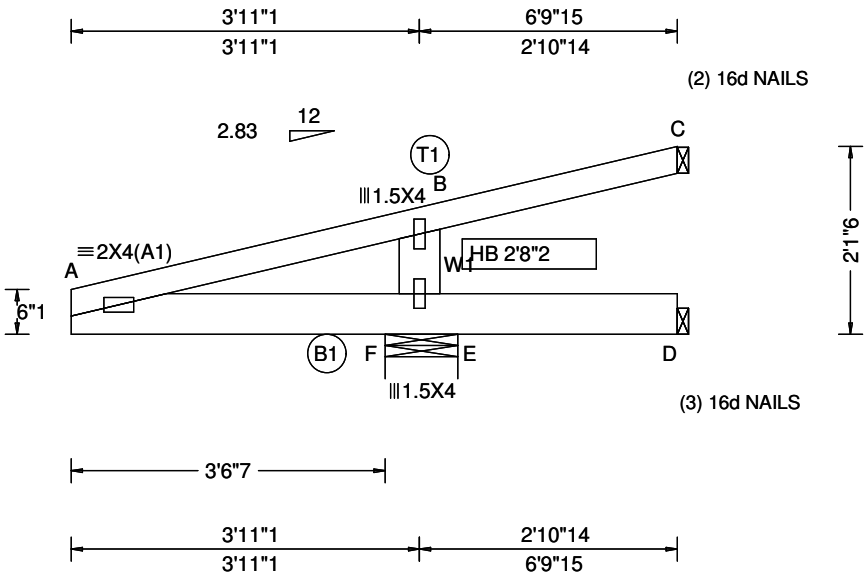
SEQN: 139962 / T59 / HIP_	Ply: 1	**Job Number:** 23081008	
FROM: AE	Qty: 1	5900 RES.	DRW:
	Wgt: 30.1 lbs	**Truss Label:** CJ6A	... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.157 A	317	360
VERT(CL):	0.214 A	232	240
HORZ(LL):	-0.041 C	-	-
HORZ(TL):	0.058 C	-	-

Creep Factor: 2.0
Max TC CSI: 0.424
Max BC CSI: 0.425
Max Web CSI: 0.053
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x6 SP #2;

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 2 plf at 0.00 to 2 plf at 6.83
BC: From 2 plf at 0.00 to 2 plf at 6.83
TC: 262 lb Conc. Load at 2.83
TC: -129 lb Conc. Load at 5.66
BC: 178 lb Conc. Load at 2.83
BC: -194 lb Conc. Load at 5.66

Wind

Wind loads and reactions based on MWFRS.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -269# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	610	/-	/-	/-	/660	/-
D	-	/-269	/-	/-	/192	/-
C	-	/-138	/-	/-	/153	/-

Wind reactions based on MWFRS
F Brg Wid = 9.8 Min Req = 1.5 (Truss)
D Brg Wid = 1.5 Min Req = -
C Brg Wid = 1.5 Min Req = -
Bearing F is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	101	-48	B - C	47	-35

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - E	26	-81	E - D	0	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
B - E	306	-243

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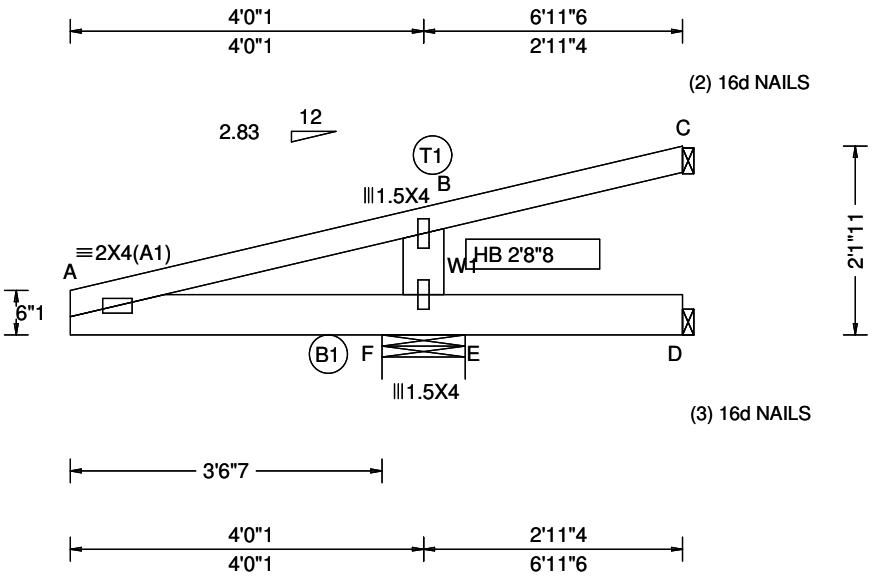
SEQN: 139965 / T24 / HIP_ FROM: AE	Ply: 1 Qty: 1 Wgt: 30.1 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** CJ6B	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.173	A	293	360
VERT(CL): 0.231	A	220	240
HORZ(LL): -0.045	C	-	-
HORZ(TL): 0.064	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.443
Max BC CSI: 0.452
Max Web CSI: 0.056
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	623	/-	/-	/-	/695	/-
D	-	/-270	/-	/-	/172	/-
C	-	/-136	/-	/-	/137	/-

Wind reactions based on MWFRS
F Brg Wid = 11.3 Min Req = 1.5 (Truss)
D Brg Wid = 1.5 Min Req = -
C Brg Wid = 1.5 Min Req = -
Bearing F is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	104	-50	B - C	50	-31

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - E	29	-84	E - D	0	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
B - E	322	-239

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x6 SP #2;

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 2 plf at 0.00 to 2 plf at 6.95
BC: From 2 plf at 0.00 to 2 plf at 6.95
TC: 262 lb Conc. Load at 2.83
TC: -129 lb Conc. Load at 5.66
BC: 178 lb Conc. Load at 2.83
BC: -194 lb Conc. Load at 5.66

Wind

Wind loads and reactions based on MWFRS.

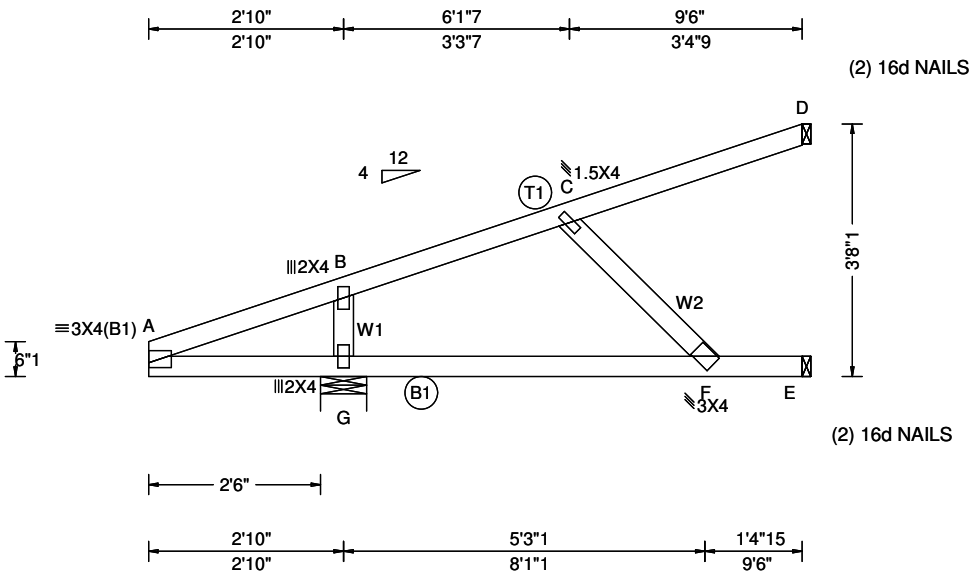
Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -270# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

SEQN: 200908 / T42 / EJAC FROM: AE	Ply: 1 Qty: 9 Wgt: 37.8 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** J10	DRW: ... / ... 07/10/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 25.51 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): -0.128	A	264	360
VERT(CL): 0.194	A	175	240
HORZ(LL): 0.051	D	-	-
HORZ(TL): 0.088	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.872
Max BC CSI: 0.480
Max Web CSI: 0.127
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind
Member design based on both MWFRS and C&C.
Left cantilever is exposed to wind
Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	745	/-	/-	/482	/758	/405
E	171	/-	/-	/167	/190	/-
D	173	/-	/-	/103	/221	/-

Wind reactions based on C&C
G Brg Wid = 8.0 Min Req = 1.5 (Truss)
E Brg Wid = 1.5 Min Req = -
D Brg Wid = 1.5 Min Req = -
Bearing G is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	82	- 169	C - D	55	- 90
B - C	94	- 234			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - G	168	- 23	F - E	0	0
G - F	156	- 286			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - G	608	- 509	C - F	416	- 226

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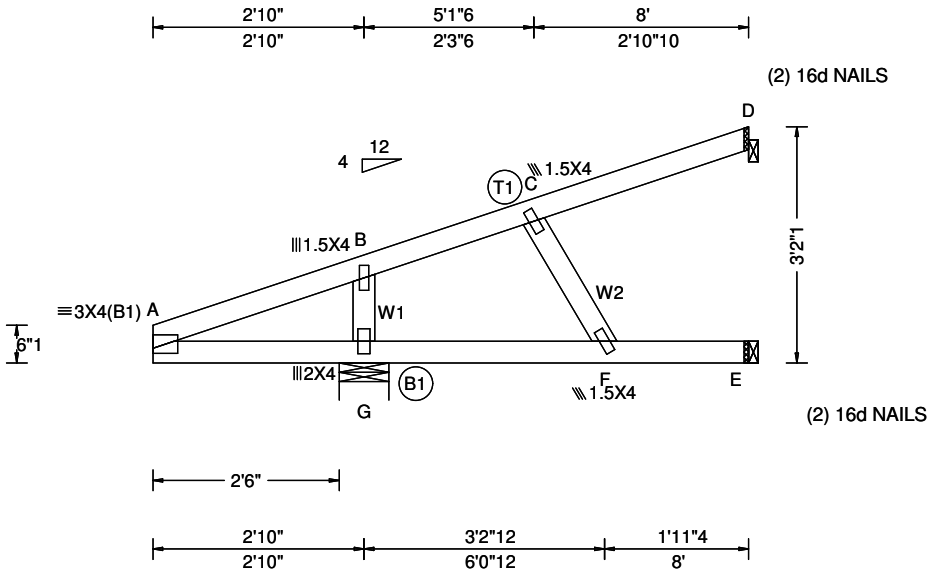
SEQN: 200911 / T34 / JACK FROM: AE	Ply: 1 Qty: 2 Wgt: 30.8 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** JB8	DRW: ... / ... 07/10/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 25.26 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.123	A	275	360
VERT(CL): 0.213	A	159	240
HORZ(LL): -0.053	C	-	-
HORZ(TL): 0.086	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.531
Max BC CSI: 0.364
Max Web CSI: 0.104
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind
Member design based on both MWFRS and C&C.
Left cantilever is exposed to wind
Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	681	/-	/-	/458	/780	/370
E	94	/-8	/-	/112	/110	/-
D	151	/-	/-	/99	/221	/-

Wind reactions based on C&C
G Brg Wid = 8.0 Min Req = 1.5 (Truss)
E Brg Wid = 1.5 Min Req = -
D Brg Wid = 1.5 Min Req = -
Bearing G is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	106	-236	C - D	48	-89
B - C	22	-118			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - G	258	-36	F - E	0	0
G - F	66	-137			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - G	587	-473	C - F	272	-118

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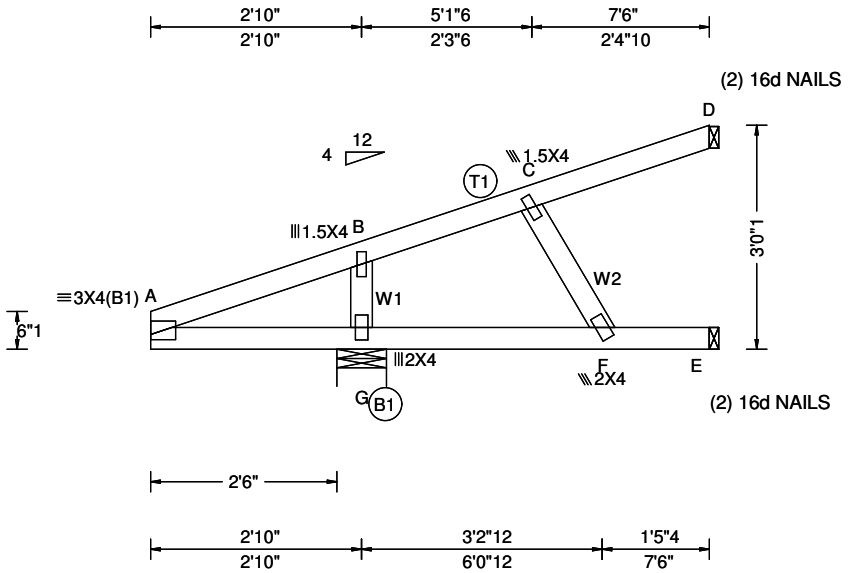
SEQN: 200914 / T44 / EJAC FROM: AE	Ply: 1 Qty: 39 Wgt: 30.8 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** J8	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.107	A	317	360
VERT(CL): 0.205	A	165	240
HORZ(LL): -0.044	D	-	-
HORZ(TL): 0.083	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.523
Max BC CSI: 0.345
Max Web CSI: 0.096
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind
Member design based on both MWFRS and C&C.
Left cantilever is exposed to wind
Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	663	/-	/-	/462	/697	/322
E	84	/-30	/-	/106	/100	/0
D	132	/-	/-	/81	/170	/-

Wind reactions based on C&C
G Brg Wid = 8.0 Min Req = 1.5 (Truss)
E Brg Wid = 1.5 Min Req = -
D Brg Wid = 1.5 Min Req = -
Bearing G is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	114	- 219	C - D	42	- 68
B - C	29	- 105			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - G	238	- 44	F - E	0	0
G - F	60	- 113			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - G	545	- 473	C - F	224	- 99

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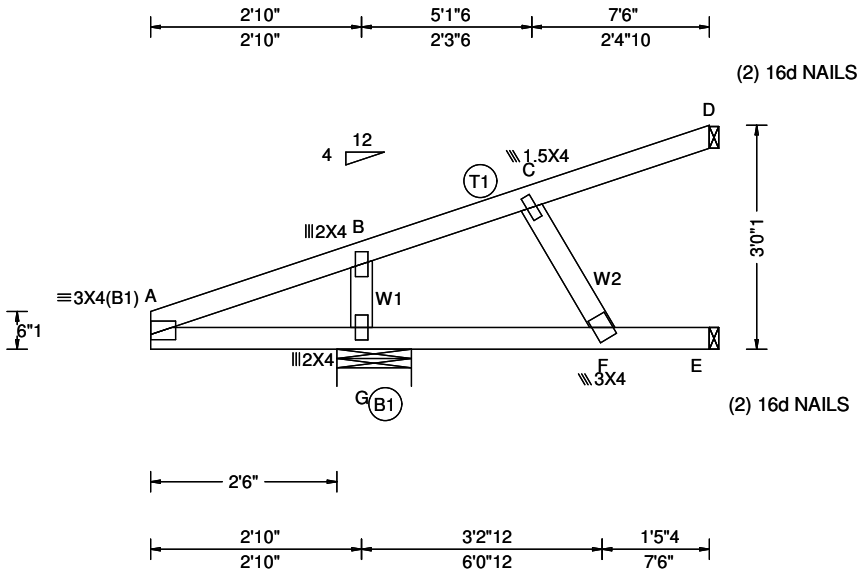
SEQN: 200917 / T17 / EJAC FROM: AE	Ply: 1 Qty: 2 Wgt: 30.8 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** J8P	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Part. Enc.
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.55
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.107	A	317	360
VERT(CL): 0.203	A	166	240
HORZ(LL): -0.044	D	-	-
HORZ(TL): 0.082	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.523
Max BC CSI: 0.436
Max Web CSI: 0.107
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind
Member design based on both MWFRS and C&C.
Left cantilever is exposed to wind
Wind loading based on both gable and hip roof types.
Left bottom chord exposed to wind.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	663	/-	/-	/595	/881	/384
E	84	/-29	/-	/79	/157	/0
D	132	/-	/-	/104	/218	/-

Wind reactions based on C&C
G Brg Wid = 12.0 Min Req = 1.5 (Truss)
E Brg Wid = 1.5 Min Req = -
D Brg Wid = 1.5 Min Req = -
Bearing G is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	109	-229	C - D	42	-79
B - C	28	-106			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - G	262	-66	F - E	0	0
G - F	91	-148			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - G	607	-473	C - F	306	-196

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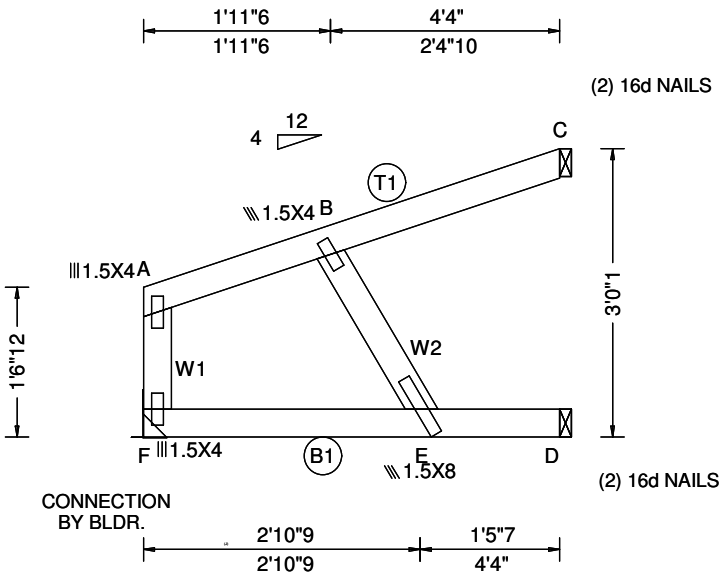
SEQN: 200920 / T101 / JACK FROM: AE	Ply: 1 Qty: 1 Wgt: 19.6 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** J8AP	DRW: ... / ... 07/10/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Part. Enc.
Risk Category: II
EXP: C Kzt: NA
Mean Height: 26.53 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.55
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): -0.072	E	719	360
VERT(CL): -0.081	E	642	240
HORZ(LL): -0.087	B	-	-
HORZ(TL): 0.092	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.268
Max BC CSI: 0.547
Max Web CSI: 0.173
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	238	/-	/-	/173	/232	/279
D	97	/-	/-	/117	/247	/-
C	142	/-	/-	/113	/250	/-

Wind reactions based on C&C
F Brg Wid = - Min Req = -
D Brg Wid = 1.5 Min Req = -
C Brg Wid = 1.5 Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	22	-92	B - C	45	-89

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
F - E	69	-246	E - D	0	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - F	145	-161	B - E	456	-127

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind
Member design based on both MWFRS and C&C.
Left end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

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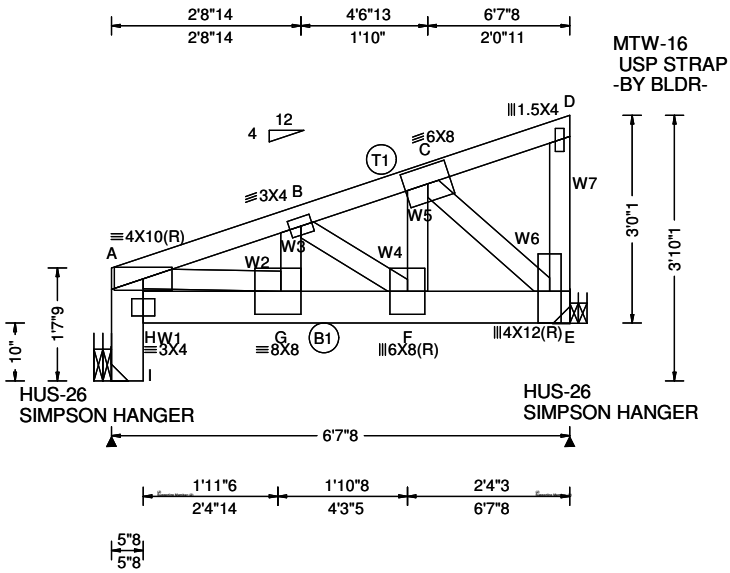
SEQN: 201512 / T73 / MONO FROM: GO	Ply: 1 Qty: 1 Wgt: 77.0 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** J8G	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 26.15 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.041	G	999	360
VERT(CL): 0.074	G	999	240
HORZ(LL): -0.043	D	-	-
HORZ(TL): 0.078	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.383
Max BC CSI: 0.364
Max Web CSI: 0.883
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
I	2347	/-	/-	/-	/843	/-
E	3323	/-	/-	/-	/1121	/-

Wind reactions based on MWFRS
I Brg Wid = - Min Req = -
E Brg Wid = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	1202	-3475	C - D	32	-40
B - C	914	-2653			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
H - G	214	-611	F - E	2174	-748
G - F	3123	-1082			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - H	732	-1979	B - F	302	-803
A - G	3910	-1338	F - C	2608	-800
H - I	833	-2319	C - E	1009	-2935
G - B	661	-127	D - E	70	-85

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP M-26;
Webs: 2x4 SP #2; W1 2x6 SP #2;

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 90 plf at 0.00 to 90 plf at 6.62
BC: From 10 plf at 0.46 to 10 plf at 6.62
BC: 1671 lb Conc. Load at 2.06, 4.06, 6.06

Hangers / Ties

(J) Hanger Support Required, by others

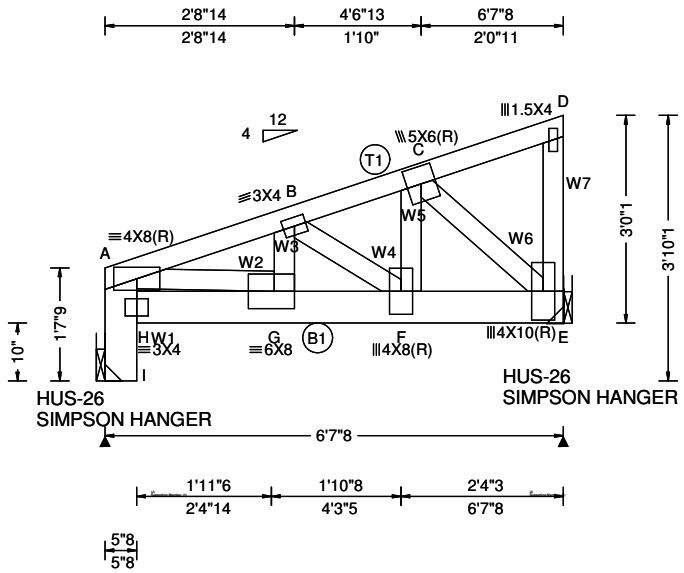
Wind

Wind loads and reactions based on MWFRS.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

SEQN: 201517 / T84 / MONO FROM: GO	Ply: 1 Qty: 1 Wgt: 49.7 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** J8GA	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 26.15 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.035	G	999	360
VERT(CL): 0.063	G	999	240
HORZ(LL): -0.037	D	-	-
HORZ(TL): 0.066	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.309
Max BC CSI: 0.816
Max Web CSI: 0.736
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
I	1890	/-	/-	/-	/727	/-
E	2665	/-	/-	/-	/950	/-

Wind reactions based on MWFRS
I Brg Wid = - Min Req = -
E Brg Wid = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	1052	-2859	C - D	32	-40
B - C	789	-2157			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
H - G	206	-551	F - E	1768	-645
G - F	2564	-945			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - H	657	-1662	B - F	280	-690
A - G	3259	-1187	F - C	2083	-666
H - I	718	-1868	C - E	870	-2385
G - B	534	-102	D - E	70	-84

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #2; W1 2x6 SP #2;

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 90 plf at 0.00 to 90 plf at 6.62
BC: From 10 plf at 0.46 to 10 plf at 6.62
BC: 1278 lb Conc. Load at 2.06
BC: 1310 lb Conc. Load at 4.06, 6.06

Wind

Wind loads and reactions based on MWFRS.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

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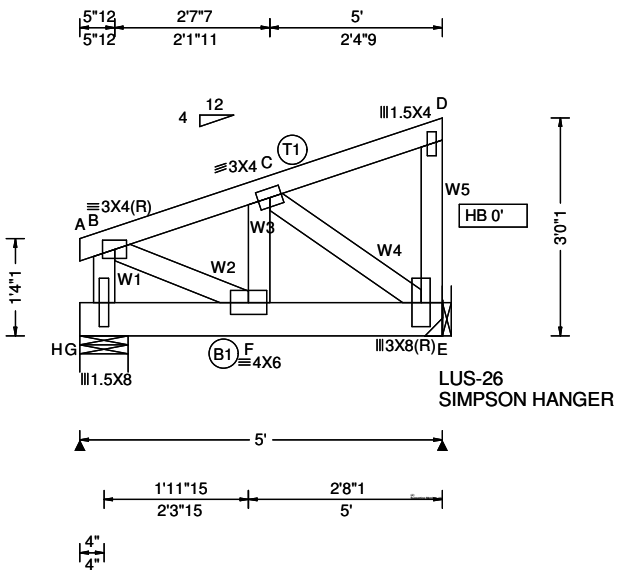
SEQN: 201261 / T56 / MONO FROM: AE	Ply: 1 Qty: 1 Wgt: 35.7 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** J8GB	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 25.59 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.006	F	999	360
VERT(CL): 0.012	F	999	240
HORZ(LL): -0.002	D	-	-
HORZ(TL): 0.003	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.122
Max BC CSI: 0.459
Max Web CSI: 0.199
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
H	949	/-	/-	/-	/358	/-
E	867	/-	/-	/-	/336	/-

Wind reactions based on MWFRS
H Brg Wid = 8.0 Min Req = 1.5 (Truss)
E Brg Wid = - Min Req = -
Bearing H is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	5	-4	C - D	36	-44
B - C	324	-879			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
H - G	0	0	F - E	730	-274
G - F	11	-5			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - G	316	-756	C - E	339	-905
B - F	881	-310	D - E	74	-92
F - C	568	-83			

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #2;

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 90 plf at 0.00 to 90 plf at 5.00
BC: From 10 plf at 0.00 to 10 plf at 5.00
BC: 658 lb Conc. Load at 1.48, 3.48

Wind

Wind loads and reactions based on MWFRS.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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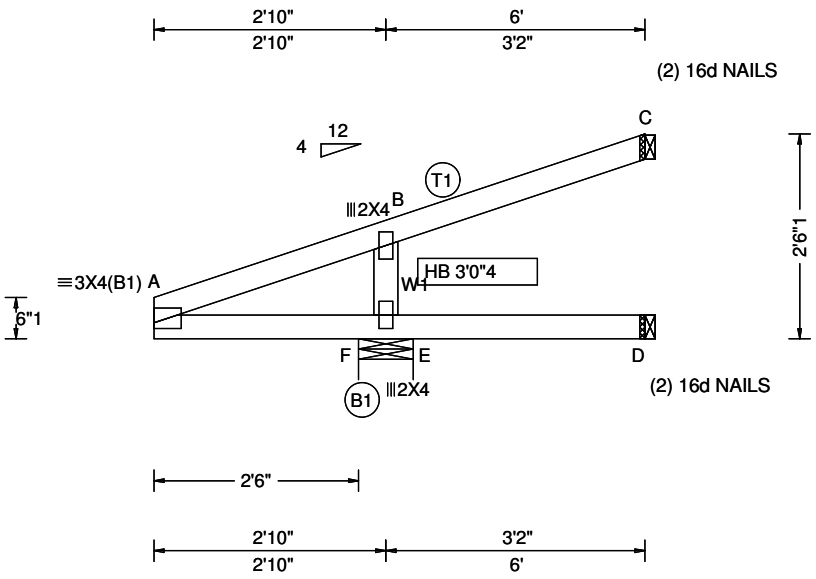
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 200923 / T87 / JACK FROM: AE	Ply: 1 Qty: 24 Wgt: 21.0 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** JB6	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	-0.154 A	231	360
VERT(CL):	0.282 A	126	240
HORZ(LL):	0.060 C	-	-
HORZ(TL):	0.113 C	-	-

Creep Factor: 2.0
Max TC CSI: 0.607
Max BC CSI: 0.441
Max Web CSI: 0.140
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind
Member design based on both MWFRS and C&C.
Left cantilever is exposed to wind
Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	655	/-	/-	/477	/794	/284
D	6	/-46	/-	/88	/49	/-
C	92	/-39	/-	/81	/164	/-

Wind reactions based on C&C
F Brg Wid = 8.0 Min Req = 1.5 (Truss)
D Brg Wid = 1.5 Min Req = -
C Brg Wid = 1.5 Min Req = -
Bearing F is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	108	-286	B - C	29	-79

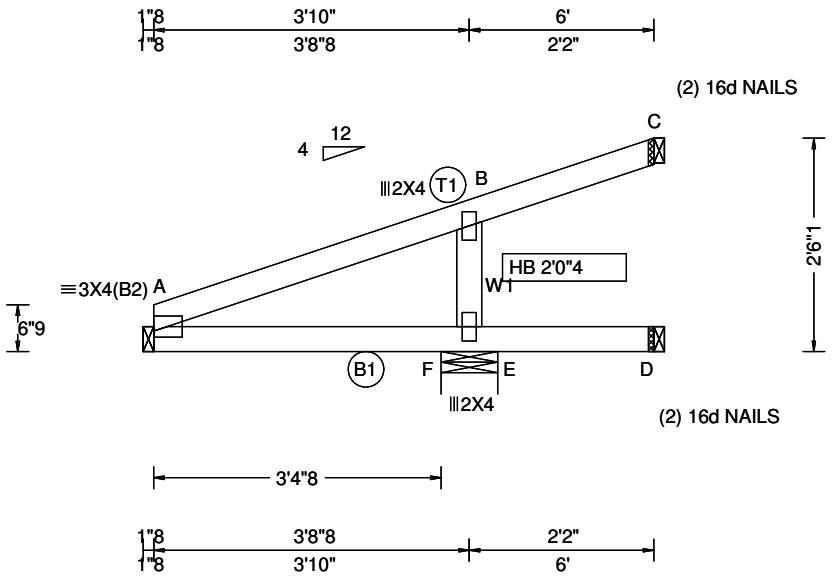
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - E	309	-55	E - D	0	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
B - E	646	-455

SEQN: 200935 / T68 / JACK FROM: GO	Ply: 1 Qty: 2 Wgt: 123.2 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** JB6A	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 25.78 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): -0.003	A	999	360
VERT(CL): 0.003	A	999	240
HORZ(LL): -0.005	B	-	-
HORZ(TL): 0.006	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.321
Max BC CSI: 0.143
Max Web CSI: 0.132
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind
Member design based on both MWFRS and C&C.
Wind loading based on both gable and hip roof types.

Additional Notes
Shim all supports to solid bearing.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	179	/-	/-	/103	/119	/311
F	427	/-	/-	/289	/615	/-
D	16	/-	/-	/18	/-	/-
C	67	/-15	/-	/23	/73	/-

Wind reactions based on C&C
A Brg Wid = 1.5 Min Req = -
F Brg Wid = 8.0 Min Req = 1.5 (Truss)
D Brg Wid = 1.5 Min Req = -
C Brg Wid = 1.5 Min Req = -
Bearing F is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	53	-228	B - C	21	-45

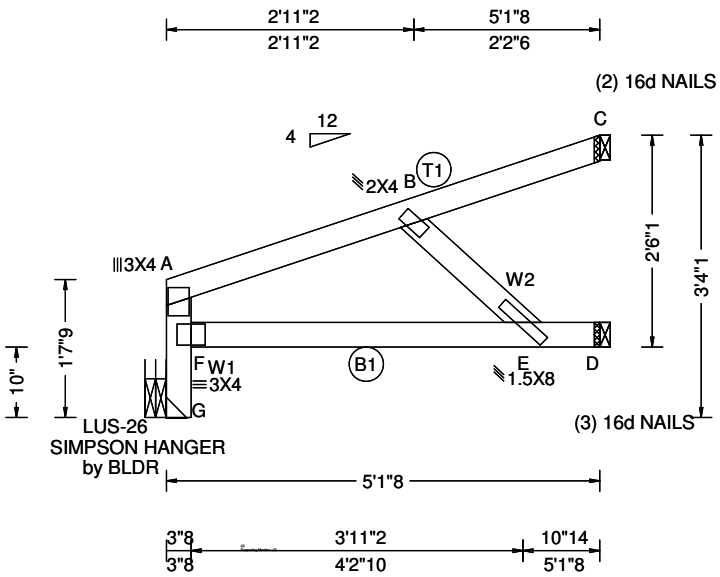
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - E	8	-13	E - D	0	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
B - E	613	-332

SEQN: 200947 / T76 / JACK FROM: AE	Ply: 1 Qty: 2 Wgt: 21.0 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** JB6B	DRW: ... / ... 07/11/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 25.90 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): -0.052	E	999	360
VERT(CL): 0.065	B	923	240
HORZ(LL): -0.216	C	-	-
HORZ(TL): 0.231	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.344
Max BC CSI: 0.474
Max Web CSI: 0.479
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	284	/-	/-	/166	/235	/279
D	152	/-	/-	/127	/346	/-
C	122	/-	/-	/67	/135	/-

Wind reactions based on C&C
G Brg Wid = - Min Req = -
D Brg Wid = 1.5 Min Req = -
C Brg Wid = 1.5 Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	250	- 186	B - C	38	- 52

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
F - E	127	- 459	E - D	0	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - F	194	- 194	B - E	624	- 184
F - G	261	- 283			

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Hangers / Ties
(J) Hanger Support Required, by others

Wind
Member design based on both MWFRS and C&C.
Left end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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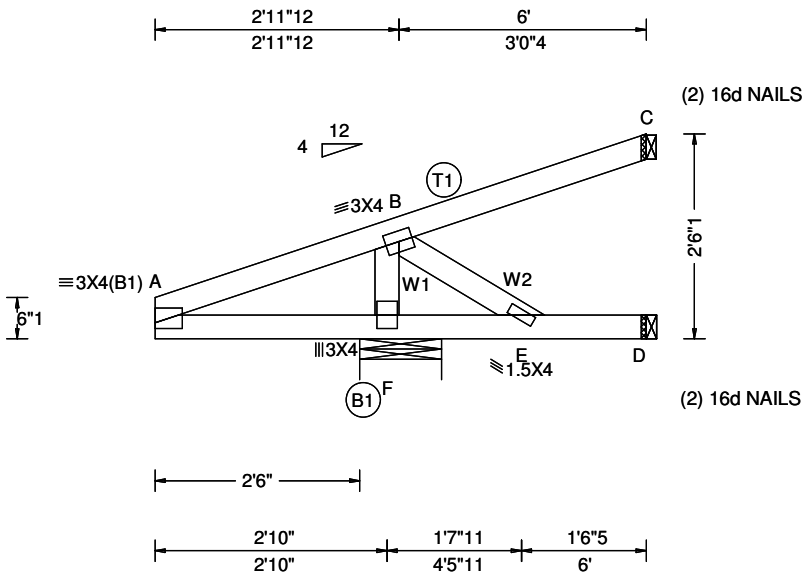
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 200955 / T20 / JACK FROM: AE	Ply: 1 Qty: 2 Wgt: 23.8 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** JB6P	DRW: ... / ... 07/11/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Part. Enc.
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.55
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.030	A	999	360
VERT(CL): 0.064	A	534	240
HORZ(LL): -0.011	B	-	-
HORZ(TL): 0.023	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.359
Max BC CSI: 0.258
Max Web CSI: 0.135
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind
Member design based on both MWFRS and C&C.
Left cantilever is exposed to wind
Wind loading based on both gable and hip roof types.
Left bottom chord exposed to wind.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	625	/-	/-	/563	/905	/334
C	111	/-	/-	/88	/205	/-
D	-	/-71	/-	/37	/62	/-

Wind reactions based on C&C
F Brg Wid = 12.0 Min Req = 1.5 (Truss)
C Brg Wid = 1.5 Min Req = -
D Brg Wid = 1.5 Min Req = -
Bearing F is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	354	- 468	B - C	35	- 89

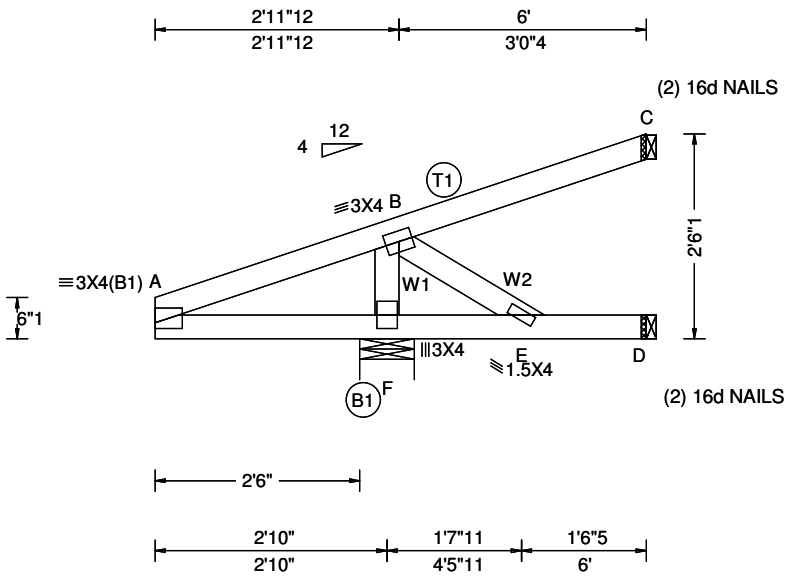
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - F	473	- 290	E - D	0	0
F - E	228	- 293			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
F - B	765	- 615	B - E	367	- 286

SEQN: 200960 / T97 / JACK FROM: AE	Ply: 1 Qty: 2 Wgt: 23.8 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** JB6AP	DRW: ... / ... 07/11/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Part. Enc.
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.55
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	-0.052 A	654	360
VERT(CL):	0.064 A	530	240
HORZ(LL):	-0.019 B	-	-
HORZ(TL):	0.023 B	-	-

Creep Factor: 2.0
Max TC CSI: 0.378
Max BC CSI: 0.280
Max Web CSI: 0.135
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind
Member design based on both MWFRS and C&C.
Left cantilever is exposed to wind
Wind loading based on both gable and hip roof types.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	625	/-	/-	/483	/784	/334
D	-	/-72	/-	/120	/96	/-
C	112	/-	/-	/100	/209	/-

Wind reactions based on C&C
F Brg Wid = 8.0 Min Req = 1.5 (Truss)
D Brg Wid = 1.5 Min Req = -
C Brg Wid = 1.5 Min Req = -
Bearing F is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	363	- 463	B - C	35	- 91

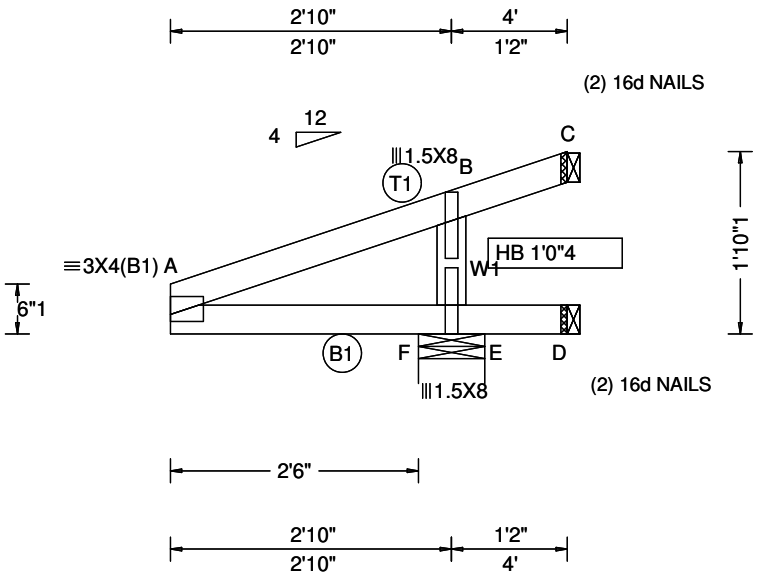
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - F	468	- 293	E - D	0	0
F - E	219	- 286			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
F - B	767	- 615	B - E	354	- 269

SEQN: 200963 / T3 / JACK FROM: AE	Ply: 1 Qty: 30 Wgt: 15.4 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** JB4	DRW: ... / ... 07/11/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	-0.191 A	186	360
VERT(CL):	0.202 A	176	240
HORZ(LL):	0.075 C	-	-
HORZ(TL):	0.081 C	-	-

Creep Factor: 2.0
Max TC CSI: 0.648
Max BC CSI: 0.547
Max Web CSI: 0.220
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind

Member design based on both MWFRS and C&C.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -238# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	862	/-	/-	/685	/1466	/258
D	-	/-214	/-	/363	/221	/-
C	-	/-238	/-	/323	/179	/-

Wind reactions based on C&C
F Brg Wid = 8.0 Min Req = 1.5 (Truss)
D Brg Wid = 1.5 Min Req = -
C Brg Wid = 1.5 Min Req = -
Bearing F is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	106	-263	B - C	102	-95

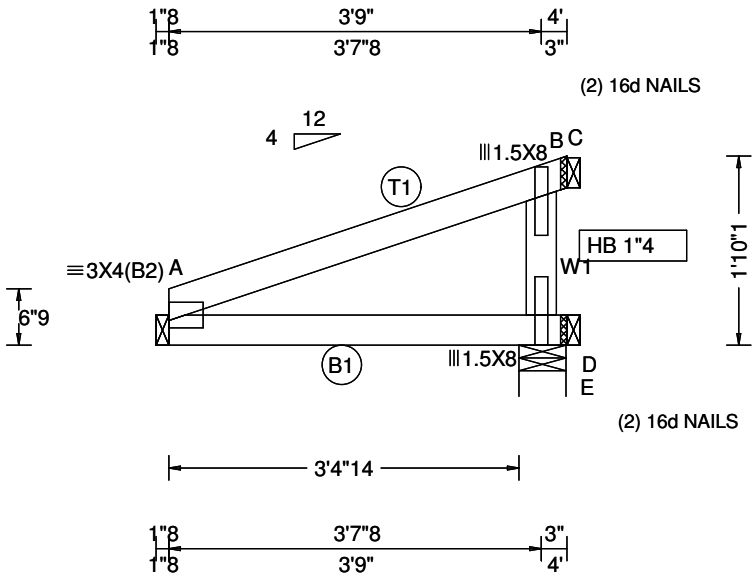
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - E	306	-44	E - D	0	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
B - E	974	-524

SEQN: 200966 / T100 / JACK FROM: AE	Ply: 1 Qty: 2 Wgt: 15.4 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** JB4A	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 25.44 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	NA		
VERT(CL):	NA		
HORZ(LL):	-0.006	A	- -
HORZ(TL):	0.006	A	- -

Creep Factor: 2.0
Max TC CSI: 0.375
Max BC CSI: 0.153
Max Web CSI: 0.230
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	191	/-	/-	/117	/190	/211
E	834	/-	/-	/580	/1178	/-
D	-	/-287	/-	/122	/186	/-
C	-	/-378	/-	/708	/234	/-

Wind reactions based on C&C
A Brg Wid = 1.5 Min Req = -
E Brg Wid = 5.5 Min Req = 1.5 (Truss)
D Brg Wid = 1.5 Min Req = -
C Brg Wid = 1.5 Min Req = -
Bearing E is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	41	- 101	B - C	224	- 122

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - E	13	- 22	E - D	0	0

Maximum Web Forces Per Ply (lbs)

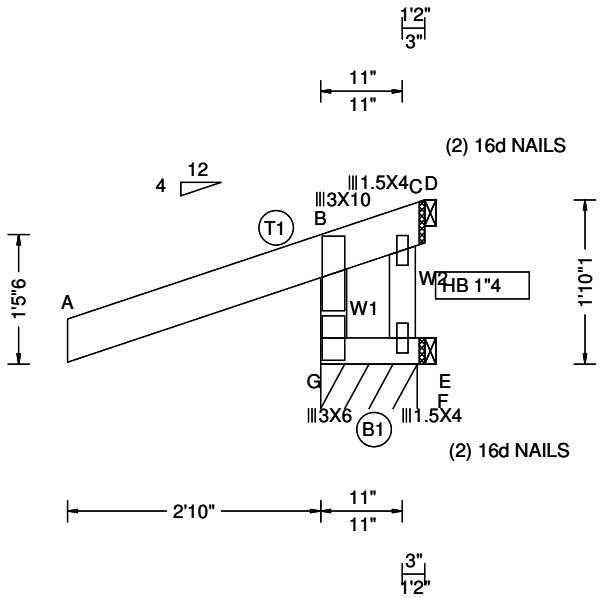
Webs	Tens.	Comp.
B - E	1045	- 556

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind
Member design based on both MWFRS and C&C.
Wind loading based on both gable and hip roof types.

Additional Notes
Negative reaction(s) of -378# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.
Shim all supports to solid bearing.

SEQN: 200984 / T107 / JACK FROM: AE	Ply: 1 Qty: 2 Wgt: 18.9 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** JB4B	DRW: ... / ... 07/11/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 25.42 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	-0.002 B	999	360
VERT(CL):	-0.002 B	999	240
HORZ(LL):	-0.001 B	-	-
HORZ(TL):	0.001 B	-	-

Creep Factor: 2.0
Max TC CSI: 0.825
Max BC CSI: 0.015
Max Web CSI: 0.359
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	618	/-	/-	/469	/1756	/-
E	-	/-4	/2	/1	/3	/8
D	-	/-220	/2	/791	/198	/345

Wind reactions based on C&C
G Brg Wid = 13.0 Min Req = 1.5 (Truss)
E Brg Wid = 1.5 Min Req = -
D Brg Wid = 1.5 Min Req = -
Bearing G is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	84	0	C - D	568	-102
B - C	625	-130			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
G - F	8	-1	F - E	8	-2

Maximum Web Forces Per Ply (lbs)

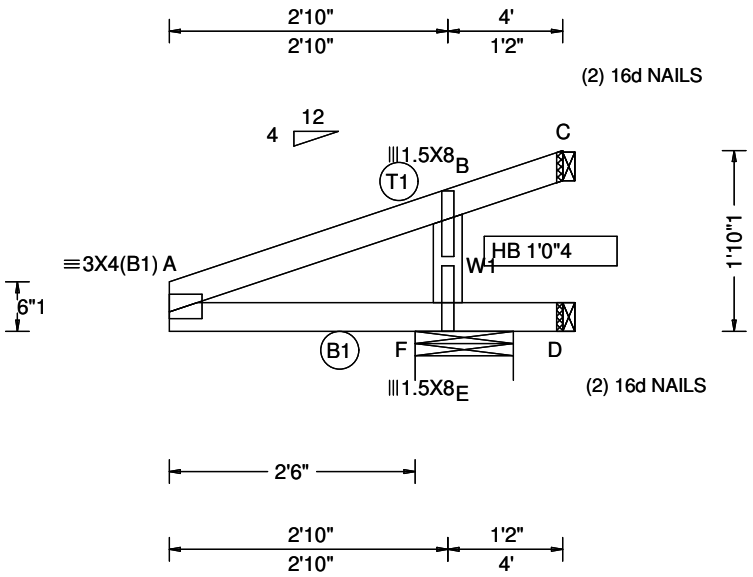
Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - G	1951	-648	C - F	58	-193

Lumber
Top chord: 2x6 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind
Member design based on both MWFRS and C&C.
Left end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes
Negative reaction(s) of -220# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

SEQN: 200987 / T103 / JACK FROM: AE	Ply: 1 Qty: 2 Wgt: 15.4 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** JB4P	DRW: ... / ... 07/11/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Part. Enc.
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.55
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	-0.204 A	174	360
VERT(CL):	0.201 A	177	240
HORZ(LL):	0.081 C	-	-
HORZ(TL):	0.085 C	-	-

Creep Factor: 2.0
Max TC CSI: 0.651
Max BC CSI: 0.603
Max Web CSI: 0.228
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind

Member design based on both MWFRS and C&C.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Left bottom chord exposed to wind.

Additional Notes

Negative reaction(s) of -234# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	862	/-	/-	/782	/1588	/292
D	-	/-213	/-	/349	/216	/-
C	-	/-234	/-	/337	/192	/-

Wind reactions based on C&C
F Brg Wid = 12.0 Min Req = 1.5 (Truss)
D Brg Wid = 1.5 Min Req = -
C Brg Wid = 1.5 Min Req = -
Bearing F is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	106	-281	B - C	107	-95

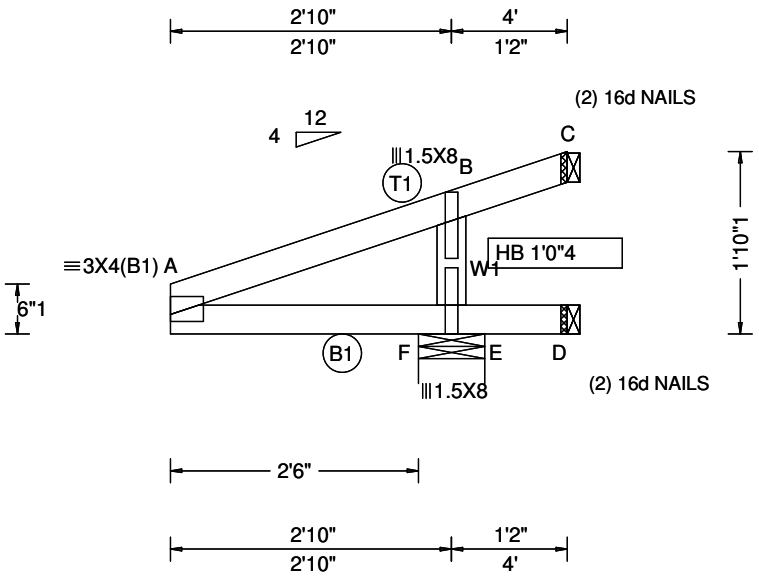
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - E	336	-72	E - D	0	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
B - E	1030	-524

SEQN: 200990 / T90 / JACK FROM: AE	Ply: 1 Qty: 2 Wgt: 15.4 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** JB4AP	DRW: ... / ... 07/11/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Part. Enc.
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.55
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	-0.201 A	177	360
VERT(CL):	0.202 A	176	240
HORZ(LL):	0.079 C	-	-
HORZ(TL):	0.084 C	-	-

Creep Factor: 2.0
Max TC CSI: 0.650
Max BC CSI: 0.587
Max Web CSI: 0.228
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind

Member design based on both MWFRS and C&C.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -238# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	862	/-	/-	/690	/1472	/292
D	-	/-214	/-	/392	/250	/-
C	-	/-238	/-	/336	/191	/-

Wind reactions based on C&C
F Brg Wid = 8.0 Min Req = 1.5 (Truss)
D Brg Wid = 1.5 Min Req = -
C Brg Wid = 1.5 Min Req = -
Bearing F is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	106	-281	B - C	106	-95

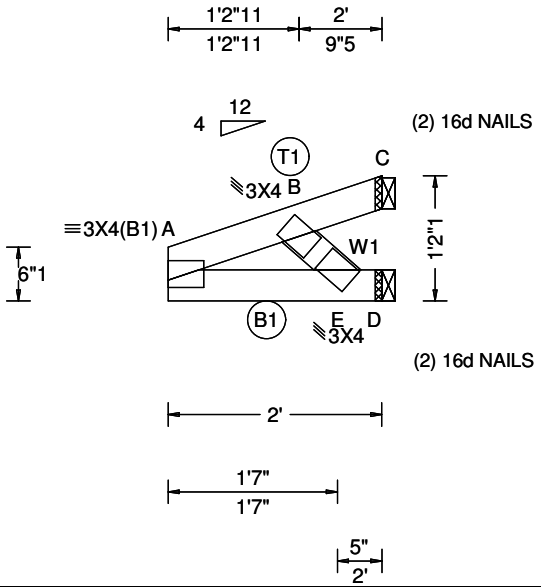
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - E	335	-72	E - D	0	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
B - E	1030	-524

SEQN: 200998 / T86 / JACK FROM: AE	Ply: 1 Qty: 36 Wgt: 9.8 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** JB2	DRW: ... / ... 07/11/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Part. Enc.
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.55
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	-0.007 A	999	360
VERT(CL):	-0.007 A	999	240
HORZ(LL):	-0.001 B	-	-
HORZ(TL):	0.001 B	-	-

Creep Factor: 2.0
Max TC CSI: 0.084
Max BC CSI: 0.212
Max Web CSI: 0.065
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
D	89	/-	/253	/92	/207	/552
C	131	/-	/253	/104	/249	/447

Wind reactions based on C&C
D Brg Wid = 1.5 Min Req = -
C Brg Wid = 1.5 Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	244	-452	B - C	281	-503

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - E	451	-222	E - D	552	-253

Maximum Web Forces Per Ply (lbs)

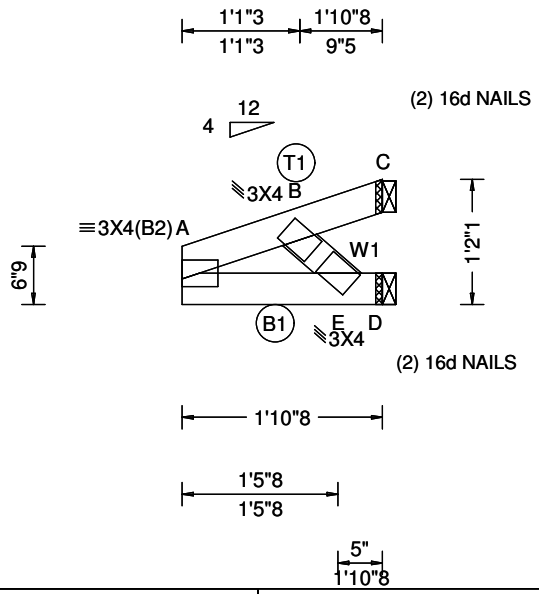
Webs	Tens.	Comp.
B - E	316	-91

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind
Member design based on both MWFRS and C&C.
Wind loading based on both gable and hip roof types.

Additional Notes
The maximum horizontal reaction is 253#
***** BEARING ANALOG MODIFIED! *****

SEQN: 201007 / T46 / JACK FROM: AE	Ply: 1 Qty: 2 Wgt: 152.6 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** JB2A	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Part. Enc.
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.55
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	-0.005 A	999	360
VERT(CL):	-0.006 A	999	240
HORZ(LL):	-0.001 B	-	-
HORZ(TL):	0.001 B	-	-

Creep Factor: 2.0
Max TC CSI: 0.073
Max BC CSI: 0.194
Max Web CSI: 0.060
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
D	84	/-	/222	/91	/197	/484
C	122	/-	/222	/96	/236	/386

Wind reactions based on C&C
D Brg Wid = 1.5 Min Req = -
C Brg Wid = 1.5 Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	216	-396	B - C	249	-440

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - E	392	-197	E - D	484	-222

Maximum Web Forces Per Ply (lbs)

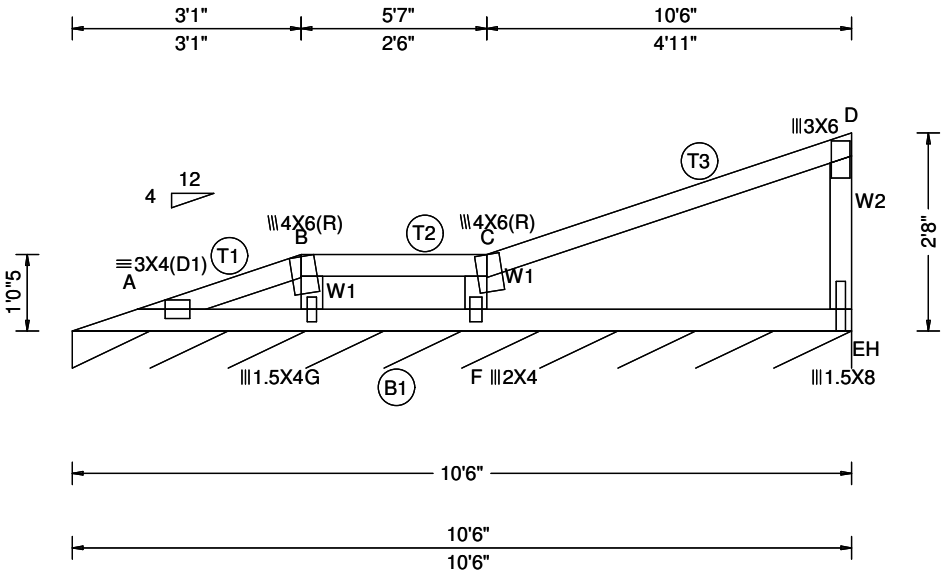
Webs	Tens.	Comp.
B - E	293	-84

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind
Member design based on both MWFRS and C&C.
Wind loading based on both gable and hip roof types.

Additional Notes
The maximum horizontal reaction is 222#
***** BEARING ANALOG MODIFIED! *****

SEQN: 201089 / T39 / VAL FROM: AE	Ply: 1 Qty: 1 Wgt: 43.4 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** V10	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 26.07 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.007	A	999	360
VERT(CL): 0.013	A	999	240
HORZ(LL): -0.005	D	-	-
HORZ(TL): 0.005	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.822
Max BC CSI: 0.198
Max Web CSI: 0.197
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
H*	110	/-	/-	/51	/119	/31

Wind reactions based on C&C
H Brg Wid = 126 Min Req = -
Bearing A is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	49	- 283	C - D	50	- 101
B - C	45	- 319			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - G	319	- 43	F - E	292	- 37
G - F	403	- 45			

Maximum Web Forces Per Ply (lbs)

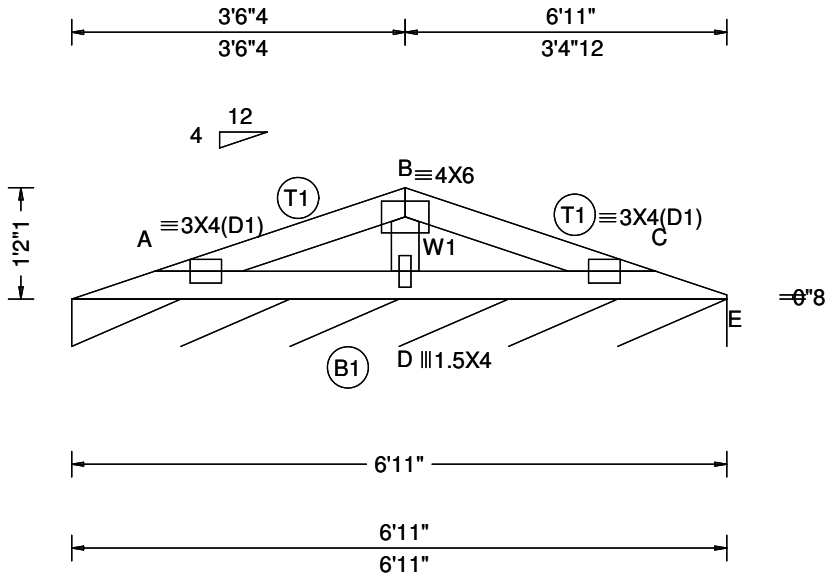
Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - G	453	- 212	D - E	350	- 223
F - C	568	- 339			

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind
Member design based on both MWFRS and C&C.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes
See DWG VAL180220723 for valley details.

SEQN: 201092 / T95 / VAL FROM: AE	Ply: 1 Qty: 1 Wgt: 63.0 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** V6	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 28.19 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	-0.015 A	999	360
VERT(CL):	0.015 A	999	240
HORZ(LL):	0.004 C	-	-
HORZ(TL):	0.004 C	-	-

Creep Factor: 2.0
Max TC CSI: 0.168
Max BC CSI: 0.216
Max Web CSI: 0.075
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E*	110	/-	/-	/59	/106	/6

Wind reactions based on C&C
E Brg Wid = 83.0 Min Req = -
Bearing A is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	192	- 169	B - C	191	- 179

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - D	258	- 153	D - C	258	- 153

Maximum Web Forces Per Ply (lbs)

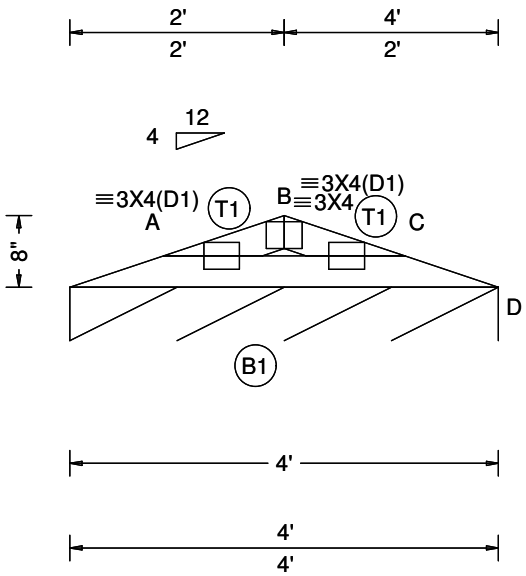
Webs	Tens.	Comp.
B - D	426	- 296

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind
Member design based on both MWFRS and C&C.
Wind loading based on both gable and hip roof types.

Additional Notes
See DWG VAL180220723 for valley details.

SEQN: 201095 / T38 / VAL FROM: AE	Ply: 1 Qty: 1 Wgt: 11.2 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** V4	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 28.27 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	-0.010 C	999	360
VERT(CL):	0.015 C	999	240
HORZ(LL):	0.003 A	-	-
HORZ(TL):	0.005 A	-	-

Creep Factor: 2.0
Max TC CSI: 0.171
Max BC CSI: 0.157
Max Web CSI: 0.000
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
D*	110	/-	/-	/47	/75	/4

Wind reactions based on C&C
D Brg Wid = 48.0 Min Req = -
Bearing A is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	455	- 377	B - C	453	- 377

Maximum Bot Chord Forces Per Ply (lbs)

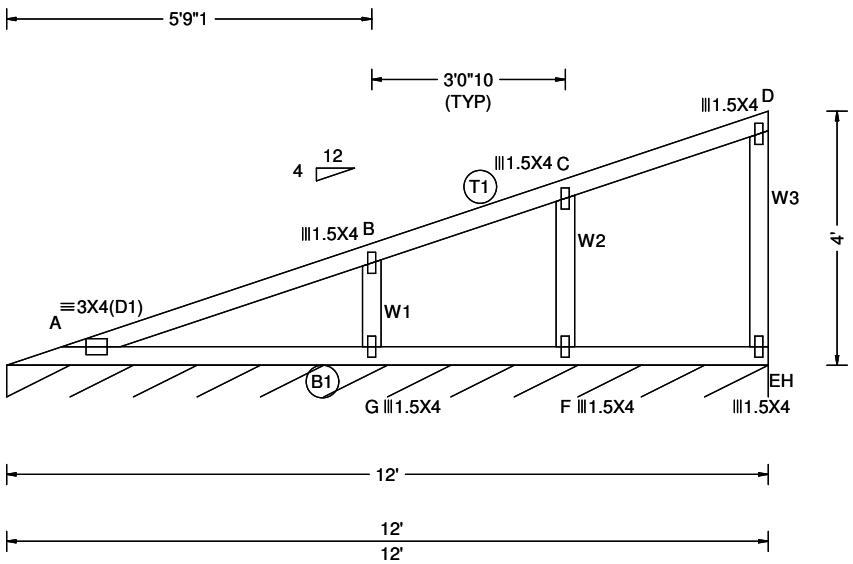
Chords	Tens.	Comp.
A - C	390	- 423

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind
Member design based on both MWFRS and C&C.
Wind loading based on both gable and hip roof types.

Additional Notes
See DWG VAL180220723 for valley details.

SEQN: 201107 / T93 / VAL FROM: AE	Ply: 1 Qty: 1 Wgt: 46.2 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** VM12	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 26.56 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.048	A	999	360
VERT(CL): 0.087	A	999	240
HORZ(LL): -0.011	A	-	-
HORZ(TL): 0.015	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.483
Max BC CSI: 0.331
Max Web CSI: 0.084
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
H*	110	/-	/-	/68	/80	/35

Wind reactions based on C&C
H Brg Wid = 144 Min Req = -
Bearing A is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	79	- 330	C - D	38	- 60
B - C	36	- 177			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - G	393	- 65	F - E	413	- 72
G - F	406	- 70			

Maximum Web Forces Per Ply (lbs)

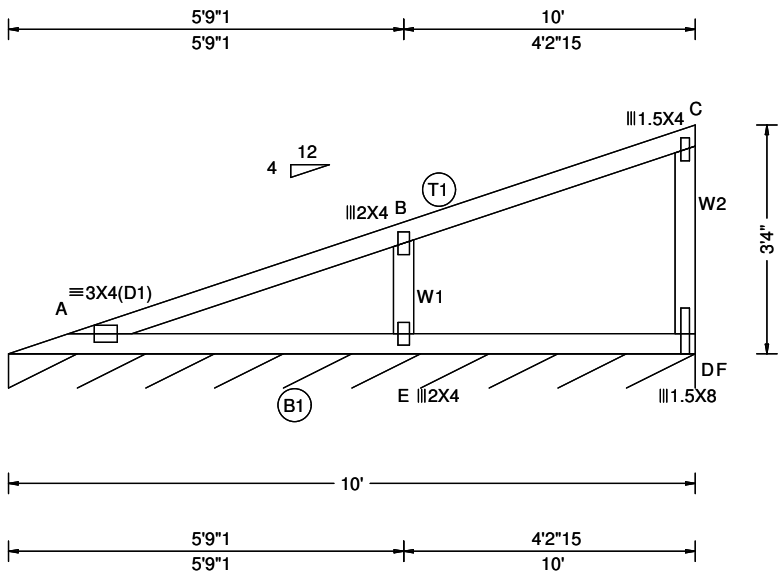
Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - G	474	- 424	D - E	158	- 127
C - F	351	- 259			

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind
Member design based on both MWFRS and C&C.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes
See DWG VAL180220723 for valley details.

SEQN: 201104 / T92 / VAL FROM: AE	Ply: 1 Qty: 1 Wgt: 39.2 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** VM10	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 26.89 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.044	A	999	360
VERT(CL): 0.081	A	999	240
HORZ(LL): -0.010	A	-	-
HORZ(TL): 0.014	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.610
Max BC CSI: 0.302
Max Web CSI: 0.117
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F*	110	/-	/-	/67	/90	/38

Wind reactions based on C&C
F Brg Wid = 120 Min Req = -
Bearing A is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	68	-286	B - C	41	-81

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - E	353	-53	E - D	372	-58

Maximum Web Forces Per Ply (lbs)

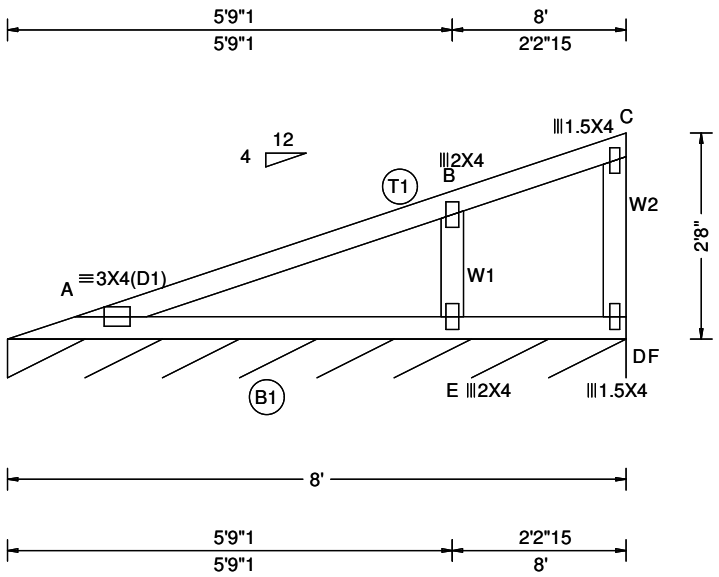
Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - E	665	-503	C - D	210	-140

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind
Member design based on both MWFRS and C&C.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes
See DWG VAL180220723 for valley details.

SEQN: 201110 / T91 / VAL FROM: AE	Ply: 1 Qty: 1 Wgt: 29.4 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** VM8	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 27.22 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): -0.048	A	999	360
VERT(CL): 0.085	A	999	240
HORZ(LL): -0.012	A	-	-
HORZ(TL): 0.015	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.494
Max BC CSI: 0.352
Max Web CSI: 0.111
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F*	110	/-	/-	/66	/100	/41

Wind reactions based on C&C
F Brg Wid = 96.0 Min Req = -
Bearing A is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	70	-227	B - C	10	-56

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - E	314	-43	E - D	332	-49

Maximum Web Forces Per Ply (lbs)

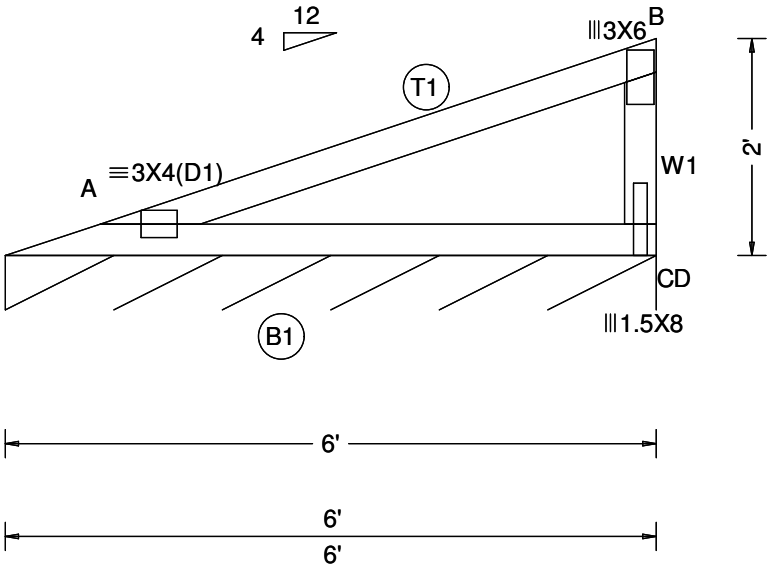
Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - E	629	-435	C - D	57	-18

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind
Member design based on both MWFRS and C&C.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes
See DWG VAL180220723 for valley details.

SEQN: 201113 / T74 / VAL FROM: AE	Ply: 1 Qty: 4 Wgt: 19.6 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** VM6	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 25.77 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	NA		
VERT(CL):	NA		
HORZ(LL):	-0.020 A	-	-
HORZ(TL):	0.025 A	-	-

Creep Factor: 2.0
Max TC CSI: 0.677
Max BC CSI: 0.548
Max Web CSI: 0.181
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
D*	110	/-	/-	/64	/109	/44

Wind reactions based on C&C
D Brg Wid = 72.0 Min Req = -
Bearing A is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - B	25	-96

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - C	205	-14

Maximum Web Forces Per Ply (lbs)

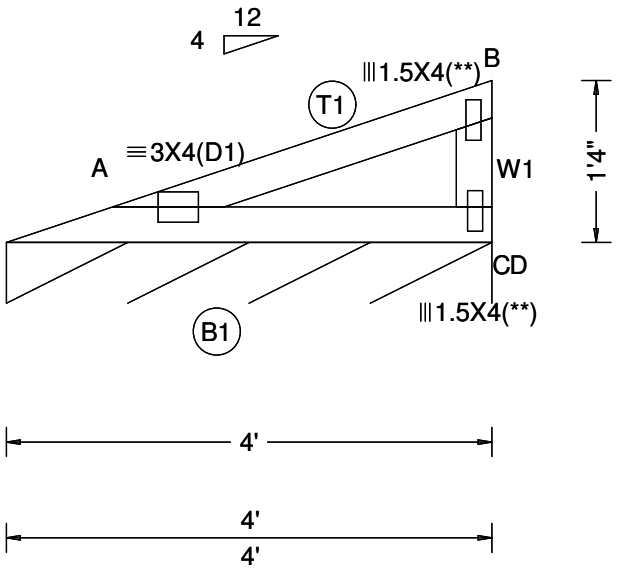
Webs	Tens.	Comp.
B - C	360	-215

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Wind
Member design based on both MWFRS and C&C.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes
See DWG VAL180220723 for valley details.

SEQN: 201119 / T64 / VAL FROM: AE	Ply: 1 Qty: 6 Wgt: 14.0 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** VM4	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 26.05 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	NA		
VERT(CL):	NA		
HORZ(LL):	-0.008	A	- -
HORZ(TL):	0.008	A	- -

Creep Factor: 2.0
Max TC CSI: 0.336
Max BC CSI: 0.332
Max Web CSI: 0.093
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
D*	110	/-	/-	/60	/140	/54

Wind reactions based on C&C
D Brg Wid = 48.0 Min Req = -
Bearing A is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - B	23	-67

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - C	178	-11

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
B - C	296	-135

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2;

Plating Notes

(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Wind

Member design based on both MWFRS and C&C.

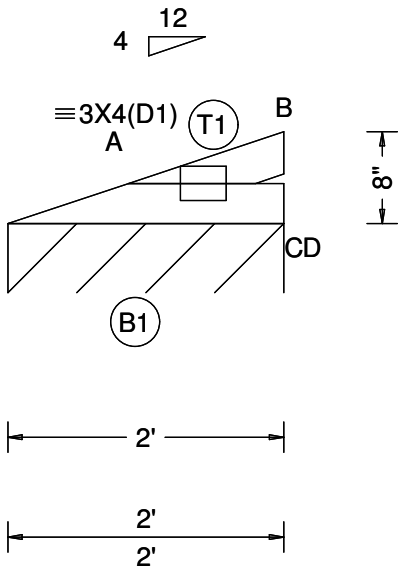
Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWG VAL180220723 for valley details.

SEQN: 201122 / T32 / VAL FROM: AE	Ply: 1 Qty: 8 Wgt: 5.6 lbs	**Job Number:** 23081008 5900 RES. **Truss Label:** VM2	DRW: ... / ... 07/25/2024



Loading Criteria (psf)

TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 175 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 25.96 ft
TCDL: 6.0 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 8th Ed. 2023 Res. HVHZ
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	-0.002 C	999	360
VERT(CL):	0.002 C	999	240
HORZ(LL):	-0.001 C	-	-
HORZ(TL):	0.001 C	-	-

Creep Factor: 2.0
Max TC CSI: 0.043
Max BC CSI: 0.064
Max Web CSI: 0.000
Mfg Specified Camber:

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs), or *=PLF

	Gravity		Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
D*	110	/-	/-	/47	/87	/35

Wind reactions based on C&C
D Brg Wid = 24.0 Min Req = -
Bearing A is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - B	0	-7

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - C	0	0

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind
Member design based on both MWFRS and C&C.
Wind loading based on both gable and hip roof types.

Additional Notes
See DWG VAL180220723 for valley details.

ICC-ES Evaluation Report

ESR-2552

Reissued March 2024

Subject to renewal March 2025

This report also contains:

- LABC Supplement

- FBC Supplement

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DIVISION: 06 00 00—WOOD, PLASTICS AND COMPOSITES **Section: 06 05 23—Wood, Plastic, and Composite Fastenings**	**REPORT HOLDER: SIMPSON STRONG-TIE COMPANY INC.**	**EVALUATION SUBJECT: SIMPSON STRONG-TIE® FACE-MOUNT HANGERS FOR SAWN LUMBER, STRUCTURAL COMPOSITE LUMBER (SCL), PREFABRICATED WOOD I-JOISTS AND GLULAM BEAMS (ENGINEERED WOOD PRODUCTS)**	

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2021, 2018, 2015, and 2012 *International Building Code®* (IBC)
- 2021, 2018, 2015, and 2012 *International Residential Code®* (IRC)

For evaluation for compliance with codes adopted by the *Los Angeles Department of Building and Safety* (LADBS), see ESR-2552 LABC and LARC Supplement.

Property evaluated:

- Structural

2.0 USES

The Simpson Strong-Tie® face-mount hangers described in this report are used as wood framing connectors in wood construction in accordance with Section 2304.10.4 of the 2021 IBC, 2304.10.3 of the 2018 and 2015 IBC and Section 2304.9.3 of the 2012 IBC. The face-mount hangers may also be used in structures regulated under the IRC when an engineered design is submitted in accordance with Section R301.1.3 of the IRC.

3.0 DESCRIPTION

3.1 General:

With the exception of the CBH, ACBH, SCBH and HSKP Hangers Series, the Simpson Strong-Tie face-mount hangers described in this report are U-shaped hangers that have prepunched holes for the installation of nails or Simpson Strong-Drive SDS screws, depending on the hanger model, into the face of the supporting wood header or beam or ledger. The CBH Hanger is used in pairs and is a die-formed steel plate with a welded stud and prepunched holes for the installation of Simpson Strong-Drive SDS screws. The ACBH hanger is used in pairs and is manufactured in one piece from aluminum with predrilled holes for the installation of Simpson Strong-Drive SDCF screws. The SCBH hanger is used in pairs and is manufactured in one piece from steel with predrilled holes for the installation of Simpson Strong-Drive SDCF screws. The HSKP hanger has a horizontal bearing plate to support the joist/beam and includes prepunched holes in its back plate for the installation of Simpson Strong-Drive SDCF screws into the face of the supporting wood Column.

3.1.1 LU Series Hangers: The LU series hangers are formed from No. 20 gage galvanized steel. See Table 1 for hanger dimensions, required fasteners, and allowable loads; and Figure 1 for a drawing of a typical LU series hanger.

3.1.2 LUCZ Series Hangers: The LUCZ hangers have concealed flanges to allow for installation near the end of a supporting member such as a ledger or header. The hangers are formed from No. 18 gage galvanized steel coated with a G185 zinc coating. See Table 2 and Figure 2 for hanger dimensions, required fastener schedule, allowable loads and a typical installation detail.

3.1.3 U Hangers: The U series hangers are formed from No. 16 gage galvanized steel. The hangers are face-nailed to the supporting wood header, and nailed to the supported solid sawn lumber, structural composite lumber or prefabricated wood I-joists with web stiffeners to accept the required size and number of joist nails shown in Table 3. See Table 3 for the U series hanger model numbers, hanger dimensions, required fasteners, and allowable loads. See Figure 3 for a drawing of a typical U series joist hanger.

3.1.4 HU and HUC Series Hangers: The HU and HUC series hangers are formed from No. 14 gage galvanized steel, and are face-nailed to the supporting wood header/beam and nailed to the solid sawn lumber, supported structural composite lumber or prefabricated wood I-joists with web stiffeners. HU hangers having a seat width (W) equal to or greater than $2^{9}/_{16}$ inches (65 mm) are available with concealed flanges and are specified with the model designation HUC. See Table 4 for hanger model numbers, hanger dimensions, required fasteners and allowable loads based on the nailing. The HU and HUC hangers have triangular and round holes in both the U-shaped portion supporting the wood joist and in the flanges attached to the supporting wood header/beam. The allowable loads are achieved by filling all holes (both the round and triangular) with size of nails shown in Table 4. See Figures 4A and 4B for drawings of typical HU and HUC hangers, and Figure 4C shows a typical installation of an HU hanger supporting a prefabricated wood I-joist with approved web stiffeners.

3.1.5 HUCQ Series Hangers: The HUCQ series hangers are formed from No. 14 gage galvanized steel and are used to support glulam beams or other approved wood members. Other approved wood members must be laterally supported at the ends in accordance with Section 2308.4.6 of the IBC and Section R502.7 of the IRC. The hangers have prepunched holes for the installation of Simpson Strong-Drive SDS series wood screws (SDS). See Table 5 for the HUCQ series model numbers, hanger dimensions, required fasteners and allowable loads. See Figure 5 for a drawing of the HUCQ series hanger.

3.1.6 LUS Series Hangers: The LUS series hangers are formed from No. 18 gage galvanized steel. The hangers have prepunched holes for the installation of nails that are driven at a 45-degree angle through the joist and into the header, which is described as double shear nailing in the installation instructions. See Table 6 for the hanger dimensions, required fasteners, and allowable loads; and Figure 6 for a drawing of a typical LUS series hanger.

3.1.7 MUS Joist Hanger: The MUS series hangers are formed from No. 18 gage galvanized steel. The U-shaped portion of the hangers has prepunched holes for the installation of joist nails that are driven at an angle through the joist and into the header, which is described as double shear nailing in the installation instructions. See Table 7 for the hanger dimensions, required fasteners, and allowable loads; Figure 7 for a drawing of a typical MUS series hanger.

3.1.8 HUS Series Hangers: The HUS hangers having a seat width, *W*, of $3^{9}/_{16}$ inches (90 mm) are formed from No. 14 gage galvanized steel. The HUS1.81/10 hanger with a seat width, *W*, of $1^{13}/_{16}$ inches (46 mm) is formed from No. 16 gage galvanized steel. The hangers have prepunched holes for the installation of nails that are driven at a 45-degree angle through the joist and into the header, which is described as double shear nailing in the installation instructions. See Table 8 for HUS series hanger models, hanger dimensions, required fasteners, and allowable loads. See Figure 8 for a drawing of a typical HUS hanger.

3.1.9 HHUS Series Hangers: The HHUS series hangers are formed from No. 14 gage galvanized steel. The hangers have pre-punched holes for the installation of nails that are driven at a 45 degree angle through the joist and into the header, which is described as double shear nailing in the installation instructions. See Table 9 for the hanger model numbers, hanger dimensions, required fasteners, and allowable loads. See Figure 9 for a drawing of a typical HHUS hanger.

3.1.10 HGUS Series Hangers: The HGUS series hangers are formed from No. 12 gage galvanized steel and are used to support glulam beams or other approved wood members. Other approved wood members must be laterally supported at the ends in accordance with Section 2308.4.6 of the IBC and Section R502.7 of the

IRC. The hangers have prepunched holes for the installation of nails that are driven at a 45-degree angle through the joist and into the header, which is described as double shear nailing in the installation instructions. See Table 10 for the HGUS series hanger model numbers, hanger dimensions, required fasteners and allowable loads. See Figure 10 for a drawing of a typical HGUS hanger.

3.1.11 HTU Series Hangers: The HTU hangers are designed to support trusses installed with full or partial heel heights and gaps between the truss and the supporting girders of up to, but not exceeding, 1/2 inch (12.7 mm), as shown in Tables 11A and 11C, and 1/8 inch (3.2 mm) as shown in Table 11B. Minimum and maximum nailing options are given in Tables 11A, 11B, and 11C to address varying heel heights and support conditions. The HTU hangers are formed from No. 16 gage galvanized steel. See Table 11A and Figures 11A and 11B for hanger dimensions, required fastener schedule, allowable loads and an installation detail for installations in which the gap between the truss and the supporting girders is less than or equal to 1/2 inch (12.7 mm). See Table 11B and Figures 11A and 11B for hanger dimensions, required fastener schedule, allowable loads and an installation detail for installations in which the gap between the truss and the supporting girders is less than or equal to 1/8 inch (3.2 mm). See Table 11C and Figures 11A and 11C for hanger dimensions, required fastener schedule, allowable loads and an installation detail for installations in which the minimum allowable number of nails is driven into the supporting girder, and the gap between the truss and supporting girder is less than or equal to 1/2 inch (12.7 mm).

3.1.12 LGU, MGU, HGU and HHGU Series Hangers: The LGU and MGU series hangers are formed from No. 10 gage galvanized steel; HGU series hangers are formed from No. 7 gage galvanized steel; and HHGU series hangers are formed from No. 3 gage steel. The LGU, MGU, HGU and HHGU series hangers are used to support glulam beams or other approved wood members. Other approved wood members must be laterally supported at the ends in accordance with Section 2308.4.6 of the IBC and Section R502.7 of the IRC. The hangers have pre-punched holes for the installation of Simpson Strong-Drive SDS series wood screws (SDS). See Table 12 for the LGU, MGU, HGU and HHGU series model numbers, hanger dimensions, required fasteners and allowable loads. See Figure 12 for a drawing of the HHGU series hanger and a typical installation detail.

3.1.13 SUR/L Series Hangers: The SUR/L series hangers are formed from No. 16 gage galvanized steel. The SUR and SUL hangers are identical except they are skewed at 45 degrees to the right (SUR) and the left (SUL), respectively. See Table 13 for hanger models, hanger dimensions, required fasteners, and allowable loads. See Figure 13A for a drawing of a typical SUL hanger and Figure 13B for a typical SUR hanger installation.

3.1.14 HSUR/L Series Hangers: The HSUR/L series hangers are formed from No. 14 gage galvanized steel. The HSUR and HSUL hangers are identical except they are skewed at 45 degrees to the right (HSUR) and the left (HSUL), respectively, and are designed to support prefabricated wood I-joists having approved web stiffeners, and structural composite lumber (SCL). See Table 14 for the hanger model numbers, hanger dimensions, required fasteners, and allowable loads. See Figure 14A for a drawing of a typical HSUR hanger, and Figure 14B for a typical HSUR hanger installation.

3.1.15 IUS Series Hangers: The IUS series hangers are formed from No. 18 gage galvanized steel and are used exclusively to support prefabricated wood I-joists to a supporting wood member. See Table 15A for the IUS series hanger model numbers, hanger dimensions, and required fasteners; and Table 15B for allowable loads. See Figures 15A, 15B, and 15C for drawings of a typical IUS hanger and a typical IUS hanger installation.

3.1.16 MIU Series Joist Hangers: The MIU series hangers are formed from No. 16 gage galvanized steel and are used to support prefabricated wood I-joists or other approved wood members. Other approved wood members must be laterally supported at the ends in accordance with Section 2308.4.6 of the IBC and Section R502.7 of the IRC. See Table 16 for the MIU series hanger model numbers, hanger dimensions, required fasteners, and allowable loads. See Figure 16A for a drawing of a typical MIU hanger and Figure 16B for a drawing of a typical MIU hanger installation.

3.1.17 DU, DHU and DHUTF Series Hangers: The DU, DHU and DHUTF series hangers are face-mount and top-flange hangers that are formed from either No. 14 gage or No. 12 gage galvanized steel. They are designed to transfer joist floor loads to a wood stud wall through two layers of 5/8-inch-thick (15.9 mm) gypsum board complying with ASTM C1396, and are installed using a combination of nails and Simpson Strong-Drive SDS series wood screws (SDS), which are addressed in ESR-2236. These hangers are installed after the two layers of 5/8" Type X gypsum board is installed and fastened using, at a minimum, the fastener schedule in

Item 14.1-5 in IBC Table 721.1(2). See Table 17A for hanger dimensions and allowable loads. See Table 17B for fastener schedule. See Figure 17 for a drawing of the DU, DHU and DHUTF hangers and a typical installation.

3.1.18 CBH Series Hangers: The CBH series hangers are face-mounted and installed in inverted pairs. They are formed from No. 3 gage steel. They are used to support glulam beams or other approved wood members and are installed using Simpson Strong-Drive SDS series wood screws (SDS), which are addressed in ESR-2236. See Table 18A & 18B for hanger dimensions, fastener schedules and allowable loads. See Figure 18 for a drawing of the CBH hangers and a typical installation.

3.1.19 ACBH and SCBH Series Hangers: The ACBH series hangers are aluminum and the SCBH series hangers are steel. The ACBH and SCBH series hangers are face-mounted and installed in inverted pairs. They are used to support glulam beams and are installed using Simpson Strong-Drive SDCF series wood screws, which are addressed in ESR-3046. See Table 19 for hanger dimensions, fastener schedules and allowable loads. See Figure 19 for drawings of the ACBH and SCBH hangers and a typical installation.

3.1.20 HSKP Series Hangers: The HSKP series hangers are factory welded with a No. 3 gage steel back plate, ½" steel bearing plate and a No. 3 gage steel (for HSKP5.75x14.5 and HSKP5.75x17.0) or 3/8" steel (for HSKP5.75x19.5) knife plate. The HSKP is installed using Simpson Strong-Drive SDCF series wood screws, which are addressed in ESR-3046. See Table 20 for model numbers, hanger dimensions, fasteners shedules, allowable loads and installation instructions. See Figure 20 for hanger drawings, typical installation and bearing area requirements for the carried members.

3.2 Materials:

3.2.1 Hanger Material: All hangers described in this report, with the exception of the CBH, ACBH, SCBH, HSKP, HTU, HGUS and HHGU series hangers, are manufactured from galvanized steel complying with ASTM A653, SS designation, Grade 33, with a minimum yield strength, F_y, of 33,000 psi (227 MPa) and a minimum tensile strength, F_u, of 45,000 psi (310 MPa).

The HTU and HGUS series hangers are manufactured from galvanized steel complying with ASTM A653, SS designation, Grade 40, with a minimum yield strength, F_y, of 40,000 psi (276 MPa) and a minimum tensile strength, F_u, of 55,000 psi (379 MPa).

The HHGU and CBH series hangers are manufactured from nongalvanized steel complying with ASTM A1011 SS, Grade 33, with a minimum yield strength, F_y, of 33,000 psi (227 MPa) and a minimum tensile strength, F_u, of 52,000 psi (358 MPa).

The stud of the CBH hangers is manufactured from nongalvanized steel complying with ASTM A108 Grade 1018 with a minimum yield strength, F_y, of 70,000 psi (483 MPa) and a minimum tensile strength, F_u, of 80,000 psi (552 MPa).

The ACBH series hangers are manufactured from ASTM B221 6061-T6 aluminum with a minimum yield strength, F_y, of 40,000 psi (276 MPa) and a minimum tensile strength, F_u, of 45,000 psi (310 MPa).

The SCBH series hangers are manufactured from nongalvanized steel complying with ASTM A572, Grade 50 with minimum yield strength, F_y, of 50,000 psi (345 MPa) and a minimum tensile strength, F_u, of 65,000 psi (448 MPa).

The HSKP series hanger is manufactured from three components: a back plate, a bearing plate and a knife plate. The HSKP back plate and knife plate are manufactured from nongalvanized steel complying with ASTM A1011 SS, Grade 33, with a minimum yield strength, F_y, of 33,000 psi (227 MPa) and a minimum tensile strength, F_u, of 52,000 psi (358 MPa). The HSKP bearing plate is manufactured from nongalvanized steel complying with ASTM A572, Grade 50, with a minimum yield strength, F_y, of 50,000 psi (345 MPa) and a minimum tensile strength, F_u, of 65,000 psi (448 MPa).

Exception: The HSKP5.75x19.5 knife plate component is manufactured from nongalvanized steel complying with ASTM A36 with a minimum yield strength, F_y, of 36,000 psi (248 MPa) and a minimum tensile strength, F_u, of 58,000 psi (400 MPa).

Base-metal thicknesses for the hangers in this report are as follows:

NOMINAL THICKNESS (gage No. or inch)	MINIMUM BASE-METAL THICKNESS (inch)
1/2"	0.4900
3/8"	0.3650
No. 3	0.2285
No. 7	0.1715
No. 10	0.1275
No. 12	0.0975
No. 14	0.0685
No. 16	0.0555
No. 18	0.0444
No. 20	0.0335

For **SI:** 1 inch = 25.4 mm.

The thickness of the installed pairs of CBH, ACBH, and SCBH series hangers are shown in the applicable figures in this report.

With the exception of the CBH and SCBH hangers, the galvanized zinc coating for the steel hangers in Section 3.1 conforms to ASTM A924 and ASTM A653 with a G90 designation. Some models of these hangers (designated with a model number ending with Z) are available with a G185 zinc coating specification in accordance with ASTM A653. Some models (designated with a model number ending with HDG) are available with a hot-dip galvanization, also known as "batch" galvanization, in accordance with ASTM A123, with a minimum specified coating weight of 2.0 ounces of zinc per square foot of surface area (600 g/m^2), total for both sides. With the exception of the LUCZ, model numbers in this report do not include the Z or HDG ending, but the information shown applies.

The CBH series hanger product is available with an electrogalvanized finish in accordance with ASTM B633 or with a hot-dip galvanized finish in accordance with ASTM A123 (designated with a model number ending with HDG). The SCBH series hanger product has an electrogalvanized finish in accordance with ASTM B633.

The lumber treater or holder of this report (Simpson Strong-Tie Company) should be contacted for recommendations on minimum corrosion resistance of steel connectors in contact with the specific proprietary preservative treated or fire retardant treated lumber.

3.2.2 Wood: Wood headers/beams and columns to which the connectors are fastened must be either sawn lumber, structural glued-laminated timber, or engineered lumber having a minimum specific gravity of 0.50 (minimum equivalent specific gravity of 0.50 for engineered lumber), and having a maximum moisture content of 19 percent (16 percent for engineered lumber) except as noted in Section 4.1. The thickness of the supporting wood member (header) must be equal to or greater than the length of the fasteners specified in the tables in this report, or as required by wood member design, whichever is greater.

Supported wood members that are prefabricated woodI-joists or SCL must be addressed in a current evaluation report, which will specify the allowable shear capacity and allowable reactions at supports for the proprietary engineered wood lumber. When required, web stiffeners for prefabricated wood I-joists must comply with specifications noted in the applicable evaluation report for the I-joists. The hangers described in this evaluation report may support I-joists having a current ICC-ES evaluation report. The evaluation report for the prefabricated wood I-joist must specify a minimum bearing length that is equal to or less than the hanger bearing length. When the hangers are used to support prefabricated wood I-joists, joist end reactions must not exceed the allowable joist end reaction per the I-joist manufacturer's code report. For installation with engineered wood members, minimum allowable fastener spacing and end and edge distances, as specified in the applicable evaluation report for the engineered wood product, must be met.

3.2.3 Fasteners: Nails used for hangers described in this report must comply with ASTM F1667 and have the following minimum fastener dimensions and bending yield strengths (F_{yb}):

FASTENERS	SHANK DIAMETER (inches)	NAIL LENGTH (inches)	F_{yb} (psi)
10d × 1 1/2	0.148	1 1/2	90,000
10d	0.148	3	90,000
16d × 2 1/2	0.162	2 1/2	90,000
16d	0.162	3 1/2	90,000

For **SI:** 1 inch = 25.4 mm, 1 psi = 6.895 kPa.

Unless otherwise indicated, fasteners listed in this report as 10d and 16d are 10d common and 16d common nails, respectively.

Some of the hangers and concealed beam hangers (CBH) described in this report are attached to the wood members using Simpson Strong-Drive SDS series wood screws addressed in ESR-2236. Other concealed beam hangers (ACBH and SCBH) and HSKP hangers described in this report are attached to wood members using SDCF Strong-Drive wood screws addressed in ESR-3046.

Fasteners used in contact with preservative treated or fire retardant treated lumber must comply with Section 2304.10.6 of the 2021 IBC, Section 2304.10.5 of the 2018 and 2015 IBC, Section 2304.9.5 of the 2012, and applicable sections of the IRC. The chemical treatment manufacturer or this report holder (Simpson Strong-Tie Company) should be contacted for recommendations on minimum corrosion resistance of fasteners and connection capacities of fasteners used with the specific proprietary preservative treated or fire retardant treated lumber.

4.0 DESIGN AND INSTALLATION

4.1 Design:

The tabulated allowable loads shown in this report are based on allowable stress design (ASD) and include the load duration factor, C_D, corresponding with the applicable loads in accordance with the NDS.

Tabulated allowable loads apply to products connected to wood used under dry conditions and where sustained temperatures are 100ºF (37.8ºC) or less. When products are installed to wood having a moisture content greater than 19 percent (16 percent for engineered wood products), or where wet service is expected, the allowable loads must be adjusted by the wet service factor, CM, specified in the NDS. When connectors are installed in wood that will experience sustained exposure to temperatures exceeding 100ºF (37.8ºC), the allowable loads in this report must be adjusted by the temperature factor, Ct, specified in the NDS.

Connected wood members must be analyzed for load-carrying capacity at the connection in accordance with the NDS and the applicable evaluation report for engineered wood products.

4.2 Installation:

Installation of the connectors must be in accordance with this evaluation report and the manufacturer's published installation instructions. In the event of a conflict between this report and the manufacturer's published installation instructions, this report governs.

5.0 CONDITIONS OF USE:

The Simpson Strong-Tie face-mount hangers described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

5.1 The connectors must be manufactured, identified and installed in accordance with this report and the manufacturer's published installation instructions. A copy of the instructions must be available at the jobsite at all times during installation.

5.2 Calculations showing compliance with this report must be submitted to the code official. The calculations must be prepared by a registered design professional where required by the statutes of the jurisdiction in which the project is to be constructed.

5.3 Adjustment factors noted in Section 4.1 and the applicable codes must be considered, where applicable.

5.4 Connected wood members and fasteners must comply, respectively, with Sections 3.2.2 and 3.2.3 of this report.

5.5 Use of connectors with preservative or fire retardant treated lumber must be in accordance with Section 3.2.1 of this report. Use of fasteners with preservative treated or fire retardant treated lumber must be in accordance with Section 3.2.3 of this report.

5.6 The face mount hangers are manufactured under a quality control program with inspections by ICC-ES.

6.0 EVIDENCE SUBMITTED

6.1 Data in accordance with the ICC-ES Acceptance Criteria for Joist Hangers and Similar Devices (AC13), dated October 2018 (editorially revised December 2020).

6.2 Tests and calculations in accordance with the ICC-ES Acceptance Criteria for Dowel-Type Threaded Fasteners used in Wood (AC233), dated June 2023.

7.0 IDENTIFICATION

7.1 The products described in this report are identified with a die-stamp or an adhesive label indicating the name of the manufacturer (Simpson Strong-Tie) the model number, and the number of an index evaluation report (ESR-2523) that is used as an identifier for the products addressed in this report.

7.2 The report holder's contact information is the following:

SIMPSON STRONG-TIE COMPANY INC.
5956 WEST LAS POSITAS BOULEVARD
PLEASANTON, CALIFORNIA 94588
(800) 999-5099
www.strongtie.com
jellis@strongtie.com

DIVISION: 06 00 00—WOOD, PLASTICS AND COMPOSITES
Section: 06 05 23—Wood, Plastic, and Composite Fastenings

REPORT HOLDER:

SIMPSON STRONG-TIE COMPANY INC.

EVALUATION SUBJECT:

SIMPSON STRONG-TIE® FACE-MOUNT HANGERS FOR SAWN LUMBER, STRUCTURAL COMPOSITE LUMBER (SCL), PREFABRICATED WOOD I-JOISTS AND GLULAM BEAMS (ENGINEERED WOOD PRODUCTS)

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that Simpson Strong-Tie® face-mount hangers for sawn lumber, structural composite lumber (SCL), prefabricated wood I-joists and glulam beams (engineered wood products), described in ICC-ES evaluation report ESR-2552, have also been evaluated for compliance with the codes noted below as adopted by the Los Angeles Department of Building and Safety (LADBS).

Applicable code editions:

- 2023 *City of Los Angeles Building Code* (LABC)
- 2023 *City of Los Angeles Residential Code* (LARC)

2.0 CONCLUSIONS

The Simpson Strong-Tie® face mount hangers for sawn lumber, structural composite lumber (SCL), prefabricated wood I-joists and glulam beams (engineered wood products), described in Sections 2.0 through 7.0 of the evaluation report ESR-2552, comply with the LABC Chapter 23, and the LARC, and are subjected to the conditions of use described in this supplement.

3.0 CONDITIONS OF USE

The Simpson Strong-Tie® face mount hangers for sawn lumber, structural composite lumber (SCL), prefabricated wood I-joists and glulam beams (engineered wood products), described in this evaluation report supplement, must comply with all of the following conditions:

- All applicable sections in the evaluation report ESR-2552.
- The design, installation, conditions of use and identification are in accordance with the 2021 *International Building Code®* (2021 IBC) provisions noted in the evaluation report ESR-2552.
- The design, installation and inspection are in accordance with additional requirements of LABC Chapters 16 and 17, as applicable.
- The supported end of a joist or beam must be within $^1/_4$-inch from the supporting member.
- Solid blocking must be required for all joist hangers supporting roof joists having one end twisted more than one-half degree per foot of length relative to the other end, except as specifically noted in the evaluation report.
- Under the LARC, an engineered design in accordance with LARC Section R301.1.3 must be submitted.

This supplement expires concurrently with the evaluation report, reissued March 2024.

DIVISION: 06 00 00—WOOD, PLASTICS AND COMPOSITES
Section: 06 05 23—Wood, Plastic, and Composite Fastenings

REPORT HOLDER:

SIMPSON STRONG-TIE COMPANY INC.

EVALUATION SUBJECT:

SIMPSON STRONG-TIE® FACE-MOUNT HANGERS FOR SAWN LUMBER, STRUCTURAL COMPOSITE LUMBER (SCL), PREFABRICATED WOOD I-JOISTS AND GLULAM BEAMS (ENGINEERED WOOD PRODUCTS)

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that the Simpson Strong-Tie® face-mount hangers, described in ICC-ES evaluation report ESR-2552, have also been evaluated for compliance with the codes noted below.

Applicable code editions:

- 2023 *Florida Building Code—Building*
- 2023 *Florida Building Code—Residential*

2.0 CONCLUSIONS

The Simpson Strong-Tie® face-mount hangers, described in Sections 2.0 through 7.0 of ICC-ES evaluation report ESR-2552, comply with the *Florida Building Code—Building*, and the *Florida Building Code—Residential*, provided the design requirements are determined in accordance with the *Florida Building Code—Building* or the *Florida Building Code—Residential,* as applicable. The installation requirements noted in ICC-ES evaluation report ESR-2552 for the 2021 *International Building Code®* meet the requirements of the *Florida Building Code—Building* or the *Florida Building Code—Residential,* as applicable.

Use of the Simpson Strong-Tie® face-mount hangers has also been found to be in compliance with the High-Velocity Hurricane Zone provisions of the *Florida Building Code—Building*, and the *Florida Building Code—Residential* with the following condition:

a. For connections subject to uplift, the connection must be designed for no less than 700 pounds (3114 N).

For products falling under Florida Rule 61G20-3, verification that the report holder's quality assurance program is audited by a quality assurance entity approved by the Florida Building Commission for the type of inspections being conducted is the responsibility of an approved validation entity (or the code official when the report holder does not possess an approval by the Commission).

This supplement expires concurrently with the evaluation report, reissued March 2024.

TABLE 10—ALLOWABLE LOADS FOR THE HGUS SERIES JOIST HANGERS

MODEL NO.	DIMENSIONS[1] (Inches)			FASTENERS[2] (Quantity-Type)		ALLOWABLE LOADS[3,5,6] (lbs)			
						Uplift[4]	Download		
	W	H	B	Header	Joist[3]	C_D = 1.6	C_D = 1.0	C_D = 1.15	C_D = 1.25
HGUS26	1 5/8	5 3/8	5	20-16d	8-16d	1,040	4,355	4,875	5,230
HGUS28	1 5/8	7 1/8	5	36-16d	12-16d	1,650	7,275	7,275	7,275
HGUS210	1 5/8	9 1/8	5	46-16d	16-16d	2,090	9,100	9,100	9,100
HGUS2.75/10	2 3/4	8 7/8	4	46-16d	16-16d	4,095	9,100	9,100	9,100
HGUS2.75/12	2 3/4	10 7/8	4	56-16d	20-16d	5,205	11,915	13,050	13,545
HGUS2.75/14	2 3/4	12 7/8	4	66-16d	22-16d	5,360	12,900	13,700	14,240
HGUS3.25/10	3 1/4	8 5/8	4	46-16d	16-16d	4,095	9,100	9,100	9,100
HGUS3.25/12	3 1/4	10 5/8	4	56-16d	20-16d	5,205	11,915	13,330	14,290
HGUS26-2	3 7/16	5 7/16	4	20-16d	8-16d	2,155	4,355	4,875	5,230
HGUS28-2	3 7/16	7 3/16	4	36-16d	12-16d	3,235	7,460	7,460	7,460
HGUS210-2	3 7/16	9 3/16	4	46-16d	16-16d	4,095	9,100	9,100	9,100
HGUS46	3 5/8	5 5/16	4	20-16d	8-16d	2,155	4,355	4,875	5,230
HGUS48	3 5/8	7 1/16	4	36-16d	12-16d	3,235	7,460	7,460	7,460
HGUS410	3 5/8	9 1/16	4	46-16d	16-16d	4,095	9,100	9,100	9,100
HGUS412	3 5/8	10 7/16	4	56-16d	20-16d	5,205	11,915	13,330	14,290
HGUS414	3 5/8	12 7/16	4	66-16d	22-16d	5,360	13,860	14,350	14,350
HGUS26-3	4 15/16	5 7/16	4	20-16d	8-16d	2,155	4,355	4,875	5,230
HGUS28-3	4 15/16	7 3/16	4	36-16d	12-16d	3,235	7,460	7,460	7,460
HGUS210-3	4 15/16	9 3/16	4	46-16d	16-16d	4,095	9,100	9,100	9,100
HGUS212-3	4 15/16	10 3/4	4	56-16d	20-16d	5,205	11,915	13,330	14,290
HGUS214-3	4 15/16	12 3/4	4	66-16d	22-16d	5,360	13,860	14,350	14,350
HGUS5.25/10	5 1/4	9 1/16	4	46-16d	16-16d	4,095	9,100	9,100	9,100
HGUS5.25/12	5 1/4	10 5/8	4	56-16d	20-16d	5,205	11,915	13,330	14,290
HGUS5.5/8	5 1/2	6 15/16	4	36-16d	12-16d	3,235	7,460	7,460	7,460
HGUS5.5/10	5 1/2	8 15/16	4	46-16d	16-16d	4,095	9,100	9,100	9,100
HGUS5.5/12	5 1/2	10 1/2	4	56-16d	20-16d	5,205	11,915	13,330	14,290
HGUS5.5/14	5 1/2	12 1/2	4	66-16d	22-16d	5,515	9,695	9,695	9,695
HGUS5.62/10	5 5/8	8 7/8	4	46-16d	16-16d	4,095	9,100	9,100	9,100
HGUS5.62/12	5 5/8	10 7/16	4	56-16d	20-16d	5,205	11,915	13,330	14,290
HGUS5.62/14	55/8	12 7/16	4	66-16d	22-16d	5,515	9,695	9,695	9,695
HGUS26-4	6 9/16	5 7/16	4	20-16d	8-16d	2,155	4,355	4,875	5,230
HGUS28-4	6 9/16	7 3/16	4	36-16d	12-16d	3,235	7,460	7,460	7,460
HGUS210-4	6 9/16	9 3/16	4	46-16d	16-16d	4,095	9,100	9,100	9,100
HGUS212-4	6 9/16	10 9/16	4	56-16d	20-16d	5,205	11,915	13,330	14,290
HGUS214-4	6 9/16	12 9/16	4	66-16d	22-16d	5,360	13,735	14,360	14,360
HGUS6.88/10	6 7/8	8 13/16	4	46-16d	16-16d	4,095	9,100	9,100	9,100
HGUS6.88/12	6 7/8	10 13/16	4	56-16d	20-16d	5,205	11,915	13,330	14,290
HGUS6.88/14	6 7/8	12 13/16	4	66-16d	22-16d	5,515	9,695	9,695	9,695
HGUS7.25/8	7 1/4	7 1/4	4	36-16d	12-16d	3,235	7,460	7,460	7,460
HGUS7.25/10	7 1/4	8 5/8	4	46-16d	16-16d	4,095	9,100	9,100	9,100
HGUS7.25/12	7 1/4	10 5/8	4	56-16d	20-16d	5,205	11,915	13,330	14,290
HGUS7.25/14	7 1/4	12 5/8	4	66-16d	22-16d	5,515	9,695	9,695	9,695
HGUS7.37/10	7 3/8	8 9/16	4	46-16d	16-16d	4,065	9,095	9,095	9,095
HGUS7.37/12	7 3/8	10 9/16	4	56-16d	20-16d	5,205	11,915	13,330	14,290
HGUS7.37/14	7 3/8	12 9/16	4	66-16d	22-16d	5,515	13,735	14,360	14,360

For **SI:** 1 inch = 25.4 mm, 1 lbf = 4.45 N.

[1]Refer to Figure 10 (this page) for definitions of hanger nomenclature (W, H, B).
[2]Refer to Section 3.2.3 of this report for nail sizes and required minimum physical properties.
[3]Tabulated allowable loads must be selected based on duration of load as permitted by the applicable building code.
[4]Joist nails must be driven at a 45 degree angle through the joist into the header/beam (double shear nailing) to achieve tabulated loads.
[5]Allowable uplift loads have been increased for wind or earthquake loading with no further increase allowed. The allowable uplift loads must be reduced when other load durations govern.
[6]HGUS series hangers provide torsional resistance, which is defined as the moment of not less than 75 pounds (334 N) times the depth of the joist at which the lateral movement of the top or bottom of the joist with respect to the vertical position of the joist is 0.125" (3.2 mm). The height, H, of the joist hanger must be at least 60 percent of the height of the joist unless additional lateral restraint is provided, as designed by others.

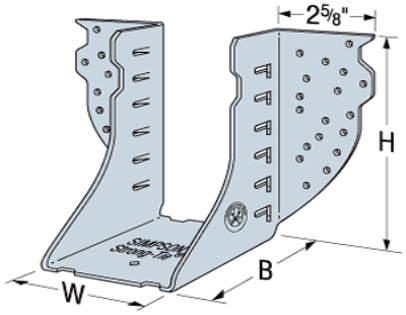


FIGURE 10—HGUS SERIES JOIST HANGER

TABLE 8—ALLOWABLE LOADS FOR THE HUS AND HUSC SERIES HANGERS

MODEL NO.	DIMENSIONS[1] (inches)			COMMON NAILS[2] (Quantity-Type)		ALLOWABLE LOADS[3,4,7] (lbf)			
	W	H	B	Header	Joist[5]	Uplift[6]	Download		
						C_D = 1.6	C_D = 1.0	C_D = 1.15	C_D = 1.25
HUS26	1 5/8	5 3/8	3	14-16d	6-16d	1,320	2,735	3095	3230
HUS28	1 5/8	7 1/16	3	22-16d	8-16d	1,760	4095	4095	4095
HUS210	1 5/8	9 1/16	3	30-16d	10-16d	2,635	5,450	5,795	5,830
HUS1.81/10	1 13/16	8 7/8	3	30-16d	10-16d	2,675	5,510	5,830	5,830
HUS46	3 9/16	4 5/16	2	4-16d	4-16d	1,165	1,090	1,225	1,320
HUS48	3 9/16	6 15/16	2	6-16d	6-16d	1,320	1,630	1,840	1,980
HUS410	3 9/16	8 15/16	2	8-16d	8-16d	3,265	2,175	2,455	2,640
HUS412	3 9/16	10 3/4	2	10-16d	10-16d	3,435	2,720	3,070	3,300
HUS26-2	3 1/8	5 3/16	2	4-16d	4-16d	1,165	1,090	1,225	1,320
HUS28-2	3 1/8	7 3/16	2	6-16d	6-16d	1,320	1,630	1,840	1,980
HUS210-2	3 1/8	9 3/16	2	8-16d	8-16d	3,285	2,175	2,455	2,640
HUS212-2	3 1/8	11	2	10-16d	10-16d	3,435	2,720	3,070	3,300

For **SI:** 1 inch = 25.4 mm, 1 pound = 4.45 N.

[1]Refer to Figure 8 (this page) for definitions of hanger nomenclature (W, H, B).
[2]Refer to Section 3.2.3 of this report for nail sizes and required minimum physical properties.
[3]Tabulated allowable loads must be selected based on duration of load as permitted by the applicable building code.
[4]HUS series hangers provide torsional resistance, which is defined as a moment of not less than 75 pounds (334 N) times the depth of the joist at which the lateral movement of the top or bottom of the joist with respect to the vertical position of the joist is 0.125 inch (3.2 mm). The height, H, of the joist hanger must be at least 60 percent of the height of the joist unless additional lateral restraint is provided, as designed by others.
[5]Joist nails must be driven at a 45 degree angle through the joist into the header/beam (double shear nailing) to achieve the tabulated loads.
[6]Allowable uplift loads have been increased for wind or earthquake loading with no further increase is allowed. The allowable uplift loads must be reduced when other load durations govern.
[7]HUS series hangers with widths (W) equal to or greater than 3 9/16 inches (90 mm) are available with header flanges turned in (concealed) and are identified with the model designation HUSC#.

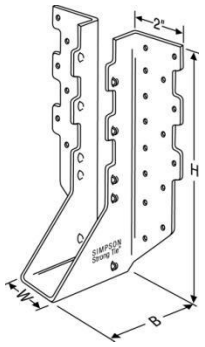


FIGURE 8—HUS SERIES HANGER (See Table 8)

TABLE 6 ALLOWABLE LOADS FOR THE LUS SERIES JOIST HANGERS

MODEL NO.	DIMENSIONS[1] (inches)			COMMON NAILS[2] (Quantity-Type)		ALLOWABLE LOADS[3,4] (lbf)			
	W	H	B	Header	Joist[5]	Uplift[6]	Download		
						C_D = 1.6	C_D = 1.0	C_D = 1.15	C_D = 1.25
LUS24	1 9/16	3 1/8	1 3/4	4-10d	2-10d	435	670	765	820
LUS26	1 9/16	4 3/4	1 3/4	4-10d	4-10d	1,165	865	990	1,060
LUS28	1 9/16	6 5/8	1 3/4	6-10d	4-10d	1,165	1,100	1,260	1,350
LUS210	1 9/16	7 13/16	1 3/4	8-10d	4-10d	1,165	1,335	1,530	1,640
LUS36	2 9/16	5 1/4	2	4-16d	4-16d	1,060	1,030	1,170	1,265
LUS310	2 9/16	7 9/32	2	6-16d	4-16d	1,070	1,315	1,490	1,610
LUS24-2	3 1/8	3 1/8	2	4-16d	2-16d	410	800	905	980
LUS26-2	3 1/8	4 15/16	2	4-16d	4-16d	1,060	1,030	1,170	1,265
LUS28-2	3 1/8	7	2	6-16d	4-16d	1,060	1,315	1,490	1,610
LUS210-2	3 1/8	8 15/16	2	8-16d	6-16d	1,445	1,830	2,075	2,245
LUS214-2	3 1/8	10 15/16	2	10-16d	6-16d	1,445	2,110	2,395	2,590
LUS44	3 9/16	3	2	4-16d	2-16d	410	800	905	980
LUS46	3 9/16	4 3/4	2	4-16d	4-16d	1,060	1,030	1,170	1,265
LUS48	3 9/16	6 3/4	2	6-16d	4-16d	1,060	1,315	1,490	1,610
LUS410	3 9/16	8 3/4	2	8-16d	6-16d	1,445	1,830	2,075	2,245
LUS414	3 9/16	10 3/4	2	10-16d	6-16d	1,445	2,110	2,395	2,590
LUS26-3	4 5/8	4 1/8	2	4-16d	4-16d	1,060	1,030	1,170	1,265
LUS28-3	4 5/8	6 1/4	2	6-16d	4-16d	1,060	1,315	1,490	1,610
LUS210-3	4 5/8	8 13/16	2	8-16d	6-16d	1,445	1,830	2,075	2,245

For **SI:** 1 inch = 25.4 mm, 1 lbf = 4.45 N.

[1]Refer to Figure 6 (this page) for definitions of hanger nomenclature (W, H, B).
[2]Refer to Section 3.2.3 of this report for nail sizes and required minimum physical properties.
[3]Tabulated allowable loads must be selected based on duration of load as permitted by the applicable building code.
[4]LUS Series hangers provide torsional resistance, which is defined as a moment of not less than 75 pounds (334 N) times the depth of the joist at which the lateral movement of the top or bottom of the joist with respect to the vertical position of the joist is 0.125 inch (3.2 mm). The height, H, of the joist hanger must be at least 60 percent of the height of the joist unless additional lateral restraint is provided, as designed by others.
[5]Joist nails must be driven at a 45 degree angle through the joist into the header/beam (double shear nailing) to achieve the tabulated loads.
[6]Allowable uplift loads have been increased for wind or earthquake loading with no further increase is allowed. The allowable uplift loads must be reduced when other load durations govern.

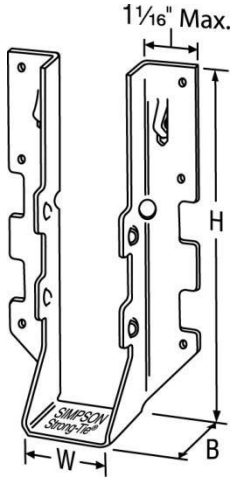


FIGURE 6—LUS SERIES HANGER
(See Table 6)

TABLE 7—NAILING SCHEDULES, DIMENSIONS AND ALLOWABLE LOADS FOR HTW, LTW AND MTW TWIST STRAP TIES[5]

STOCK NUMBER	STEEL GAGE	STRAP DIMENSIONS (in.)				FASTENER SCHEDULE		ALLOWABLE UPLIFT LOAD[1,2] C_D = 1.6 (lbs)	
		W	L	L1	L2	Qty [3]	Type [4]	Stud-to-rim joist installation	Truss-to-top – plate installation
HTW16	14	1 1/4	16	5 1/8	5 1/8	16	10d x 1 1/2	1,115	1,355
						16	10d common	1,300	1,355
HTW20	14	1 1/4	20	7 1/8	7 1/8	24	10d x 1 1/2	1,555	1,355
						20	10d common	1,355	1,355
HTW24	14	1 1/4	24	9 1/8	9 1/8	24	10d x 1 1/2	1,555	1,355
						20	10d common	1,355	1,355
HTW28	14	1 1/4	28	11 1/8	11 1/8	24	10d x 1 1/2	1,555	1,355
						20	10d common	1,355	1,355
HTW30	14	1 1/4	30	7	17 1/4	24	10d x 1 1/2	1,555	1,355
						20	10d common	1,355	1,355
HTW30C	14	1 1/4	30	12 1/8	12 1/8	24	10d x 1 1/2	1,555	1,355
						20	10d common	1,355	1,355
LTW12	18	1 1/4	12	4 1/2	4 1/2	12	10d x 1 1/2	770	625
						12	10d common	770	625
LTW16	18	1 1/4	16	6 1/2	6 1/2	12	10d x 1 1/2	770	625
						12	10d common	770	625
LTW18	18	1 1/4	18	7 1/2	7 1/2	12	10d x 1 1/2	770	625
						12	10d common	770	625
LTW20	18	1 1/4	20	8 1/2	8 1/2	12	10d x 1 1/2	770	625
						12	10d common	770	625
MTW12	16	1 1/4	12	4 1/2	4 1/2	14	10d x 1 1/2	1,185	965
						14	10d common	1,185	965
MTW16	16	1 1/4	16	6 1/2	6 1/2	14	10d x 1 1/2	1,185	965
						14	10d common	1,185	965
MTW18	16	1 1/4	18	7 1/2	7 1/2	14	10d x 1 1/2	1,185	965
						14	10d common	1,185	965
MTW20	16	1 1/4	20	8 1/2	8 1/2	14	10d x 1 1/2	1,185	965
						14	10d common	1,185	965
MTW24C	16	1 1/4	24	10 7/16	10 7/16	14	10d x 1 1/2	1,185	965
						14	10d common	1,185	965
MTW28C	16	1 1/4	28	12 7/16	12 7/16	14	10d x 1 1/2	1,185	965
						14	10d common	1,185	965
MTW30C	16	1 1/4	30	13 7/16	13 7/16	14	10d x 1 1/2	1,185	965
						14	10d common	1,185	965
MTW30	16	1 1/4	30	8 5/16	18 5/16	14	10d x 1 1/2	1,185	965
						14	10d common	1,185	965

For **SI:** 1 inch = 25.4 mm, 1 lb = 4.45 N.

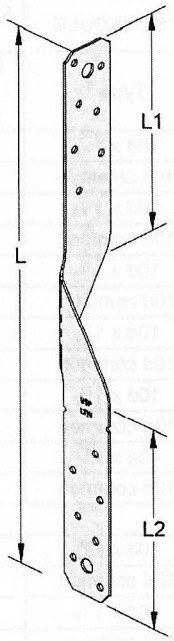
[1]Allowable uplift loads have been adjusted for a load duration factor, C_D, of 1.60, corresponding to a ten-minute load duration (i.e., wind or earthquake loading), in accordance with the NDS. The allowable loads do not apply to loads of other durations, and are not permitted to be adjusted for other load durations. See Section 4.1 for additional design requirements.

[2]Allowable uplift loads shown are for installations in sawn lumber or structural composite lumber complying with Section 3.26.2.

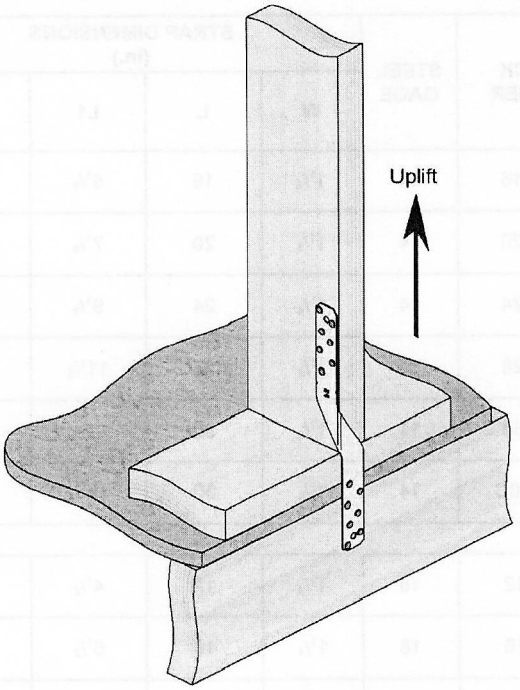
[3]Listed fastener quantity is the total required for the connection, with half the tabulated quantity at each end.

[4]See Section 3.26.3 for required nail dimensions and mechanical properties. HTW, LTW and MTW twist strap ties may be installed with either 10d x 1 1/2 or 10d common nails.

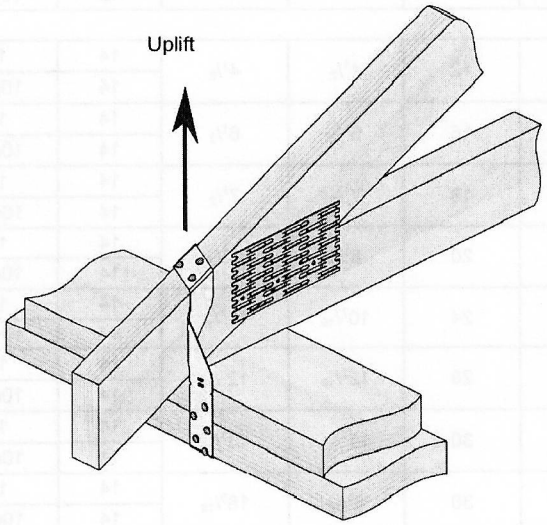
[5]Some illustrations for the twist straps show connection that could cause cross-grain tension or bending of the wood during loading if not reinforced sufficiently. In such cases, mechanical reinforcement should be considered.



LTW/MTW/HTW



Typical LTW/MTW/HTW
Stud-To-Rim Joist Installation



Typical LTW/MTW/HTW
Truss-To-Top Plate Installation

FIGURE 7—DIMENSIONS AND INSTALLATION OF LTW, MTW AND HTW TWIST STRAP TIES

TABLE 13—ALLOWABLE LOADS FOR THE SUR/SUL SERIES JOIST HANGERS

MODEL NO.	DIMENSIONS[1] (inches)					FASTENERS (Quantity-Type)		ALLOWABLE LOADS[2,6,7] (lbs)			
								Uplift[5]	Download		
	W	H	B	A_1	A_2	Header	Joist	C_D=1.6	C_D=1.0	C_D=1.15	C_D=1.25
SUR/L24	1 9/16	3 1/16	2	1 1/8	1 1/4	4-16d	4-10d x 1 1/2	395	575	650	705
SUR/L26	1 9/16	5	2	1 1/8	1 5/16	6-16d	6-10d x 1 1/2	675	865	980	1,055
SUR/L210	1 9/16	8	2	1 1/8	1 5/16	10-16d	10-10d x 1 1/2	1,445	1,440	1,635	1,760
SUR/L214	1 9/16	10	2	1 1/8	1 5/16	12-16d	12-10d x 1 1/2	1,890	1,730	1,960	2,115
SUR/L1.81/9	1 13/16	9	3	1 5/8	2 5/16	12-16d	2-10d x 1 1/2	210[3,4]	1,730	1,955	1,955
SUR/L1.81/11	1 13/16	11	3	1 5/8	2 5/16	16-16d	2-10d x 1 1/2	210[3,4]	2,300	2,560	2,560
SUR/L1.81/14	1 13/16	13 3/4	3	1 5/8	2 5/16	20-16d	2-10d x 1 1/2	210[3,4]	2,560	2,560	2,560
SUR/L2.06/9	2 1/16	9 1/16	3 3/16	1 5/8	2 1/8	14-16d	2-10d x 1 1/2	210[3]	2,015	2,285	2,465
SUR/L2.06/11	2 1/16	11 1/4	3 3/16	1 5/8	2 1/8	16-16d	2-10d x 1 1/2	210[3]	2,300	2,610	2,665
SUR/L2.06/14	2 1/16	13 5/8	3 3/16	1 5/8	2 1/8	18-16d	2-10d x 1 1/2	210[3]	2,590	2,665	2,665
SUR/L2.1/9	2 1/8	9 1/16	3 3/16	1 9/16	2 1/8	14-16d	2-10d x 1 1/2	210[3]	2,015	2,285	2,465
SUR/L2.1/11	2 1/8	11 3/16	3 3/16	1 9/16	2 1/8	16-16d	2-10d x 1 1/2	210[3]	2,300	2,610	2,665
SUR/L2.1/14	2 1/8	13 9/16	3 3/16	1 9/16	2 1/8	18-16d	2-10d x 1 1/2	210[3]	2,590	2,665	2,665
SUR/L2.37/9	2 3/8	8 15/16	3 3/16	1 5/16	2 1/8	14-16d	2-10d x 1 1/2	210[3]	2,015	2,285	2,465
SUR/L2.37/11	2 3/8	11 3/16	3 3/16	1 5/16	2 1/8	16-16d	2-10d x 1 1/2	210[3]	2,300	2,610	2,665
SUR/L2.37/14	2 3/8	13 7/16	3 3/16	1 5/16	2 1/8	18-16d	2-10d x 1 1/2	210[3]	2,590	2,665	2,665
SUR/L2.56/9	2 9/16	8 13/16	3 3/16	1 1/8	2 1/8	14-16d	2-10d x 1 1/2	210[3]	2,015	2,285	2,465
SUR/L2.56/11	2 9/16	11 3/16	3 3/16	1 1/8	2 1/8	16-16d	2-10d x 1 1/2	210[3]	2,300	2,615	2,665
SUR/L2.56/14	2 9/16	13 5/16	3 3/16	1 1/8	2 1/8	18-16d	2-10d x 1 1/2	210[3]	2,590	2,665	2,665
SUR/L26-2	3 1/8	4 15/16	2 5/8	1 1/2	2 3/8	8-16d	4-16d x 2 1/2	725	1.150	1,305	1,325
SUR/L210-2	3 1/8	8 11/16	2 5/8	1 7/16	2 3/8	14-16d	6-16d x 2 1/2	1,160	2,015	2,285	2,345
SUR/L214-2	3 1/8	12 11/16	2 7/16	1 7/16	2 3/8	18-16d	8-16d x 2 1/2	1,505	2,345	2,345	2,345
SUR/L46	3 9/16	4 3/4	2 5/8	1	2 3/8	8-16d	4-16d	730	1,150	1,305	1,325
SUR/L410	3 9/16	8 1/2	2 5/8	1	2 3/8	14-16d	6-16d	1,160	2,015	2,285	2,345
SUR/L414	3 9/16	12 1/2	2 5/8	1	2 3/8	18-16d	8-16d	1,490	2,345	2,345	2,345

For **SI:** 1 inch = 25.4 mm, 1 lbf = 4.45 N.

[1]Refer to Figure 13a (this page) for definitions of hanger nomenclature (W, H, B, A1, A2).
[2]Tabulated allowable loads must be selected based on duration of load as permitted by the applicable building code.
[3]Optional triangle holes may be filled (requires web stiffeners for I-joist) for additional uplift resistance. When a total of six 10d x 1 1/2-inch-long nails are installed into the joist for 9- and 11-inch models, an uplift value of 825 lbs may be used. When a total of eight 10dx1 1/2" nails are installed into the joist for 14-inch models, an uplift value of 1,190 lbs may be used.
[4]Uplift value based on use of solid sawn lumber or LVL joist member. When using an I-joist as the joist member, allowable uplift must be taken as 140 lbs.
[5]The uplift loads have been increased for wind or earthquake loading with no further increase allowed. The allowable uplift loads must be reduced when other load durations govern.
[6]SUR/L series hangers provide torsional resistance, which is defined as a moment of not less than 75 pounds (334 N) times the depth of the joist at which the lateral movement of the top or bottom of the joist with respect to its vertical position is 0.125 inch (3.2 mm). The height (H) of the hanger must be at least 60 percent of the height of the joist unless additional lateral restraint is provided, as designed by others.
[7]The 2-2x and a 4x SUR/L models are available with the A2 flanges concealed and are specified with the model designation SUR/LC

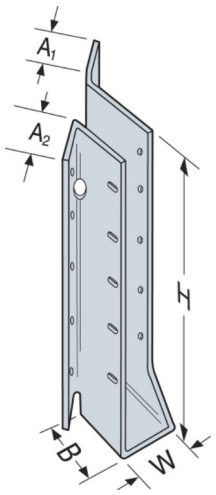


FIGURE 13A—SUL SERIES JOIST HANGER

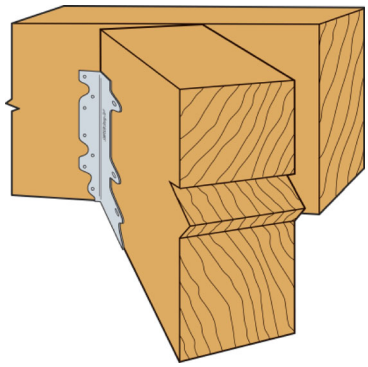


FIGURE 13B—TYPICAL SUR HANGER INSTALLATION

Valley Detail - ASCE 7-16: 180 mph, 30' Mean Height, Partially Enclosed, Exp. C, Kzt=1.00

Top Chord 2x4 SP #2N, SPF #1/#2, DF-L #2 or better.
Bot Chord 2x4 SP #2N or SPF #1/#2 or better.
Webs 2x4 SP #3, SPF #1/#2, DF-L #2 or better.

** Attach each valley to every supporting truss with:
535# connection or with (1) Simpson H2.5A or equivalent connector for
ASCE 7-16 180 mph. 30' Mean Height, Part. Enc. Building, Exp. C, Wind TC DL=5 psf, Kzt = 1.00
Or
ASCE 7-16 160 mph. 30' Mean Height, Part. Enc. Building, Exp. D, Wind TC DL=5 psf, Kzt = 1.00

Bottom chord may be square or pitched cut as shown.

Valleys short enough to be cut as solid triangular members from a single 2x6, or larger as required, shall be permitted in lieu of fabricating from separate 2x4 members.

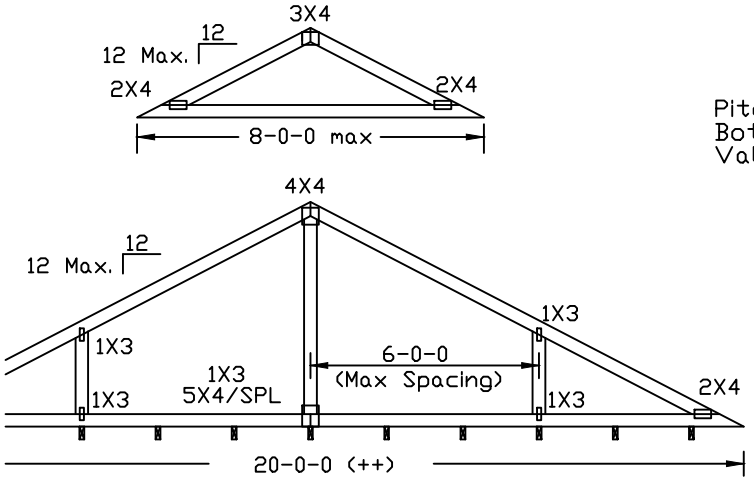
All plates shown are Alpine Wave Plates.

Unless specified otherwise on engineer's sealed design, for vertical valley webs taller than 7-9" apply 2x4 "T" reinforcement, 80% length of web, same species and grade or better, attached with 10d box (0.128" x 3.0") nails at 6" o.c. In lieu of "T" reinforcement, 2x4 Continuous Lateral Restraint applied at mid-length of web is permitted with diagonal bracing as shown in DRWG BRCLBANC1014.

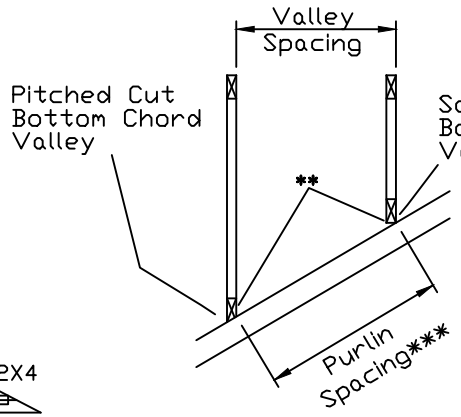
Top chord of truss beneath valley set must be braced with:
properly attached, rated sheathing applied prior to valley truss installation.
Or
Purlins at 24" o.c. or as otherwise specified on engineer's sealed design
Or
By valley trusses used in lieu of purlin spacing as specified on Engineer's sealed design.

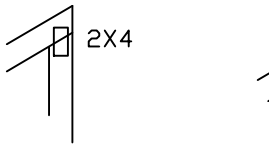
*** Note that the purlin spacing for bracing the top chord of the truss beneath the valley is measured along the slope of the top chord.

++ Larger spans may be built as long as the vertical height does not exceed 14'-0".

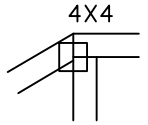


Supporting trusses at 24" o.c. maximum spacing.



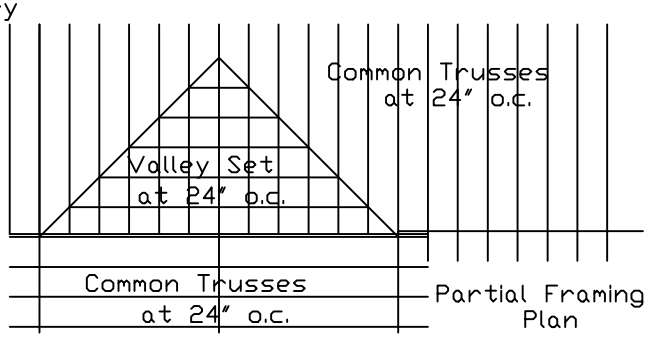


Stubbed Valley End Detail



Optional Hip Joint Detail

Square Cut Bottom Chord Valley



Partial Framing Plan

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see this job's general notes page and these web sites:
ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcacomponents.com; ICC: www.iccsafe.org

TC LL	30	30	40	PSF
TC DL	20	15	7	PSF
BC DL	10	10	10	PSF
BC LL	0	0	0	PSF
TOT. LD.	60	55	57	PSF
DUR.FAC.	1.25/1.33	1.15	1.15	
SPACING		24.0"		

REF	VALLEY DETAIL
DATE	01/26/2018
DRWG	VAL180160118

B1 BCSI-B1 SUMMARY SHEET - GUIDE FOR HANDLING, I
Spans over 60′ may require complex permanent bracin

WARNING!

GENERAL NOTES

Trusses are not marked in any way to identify the frequency or location of temporary lateral restraint and diagonal bracing. Follow the recommendations for handling, installing and temporary restraining and bracing of trusses. Refer to BCSI – Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses*** for more detailed information.

Truss Design Drawings may specify locations of permanent lateral restraint or reinforcement for individual truss members. Refer to the BCSI-B3*** for more information. All other permanent bracing design is the responsibility of the building designer.

NOTAS GENERALES

*Los trusses no están marcados de ningún modo que identifique la frecuencia o localización de restricción lateral y arriostre diagonal temporales. Use las recomendaciones de manejo, instalación, restricción y arriostre temporal de los trusses. Vea el folleto BCSI – Guía de Buena Práctica para el Manejo, Instalación, Restricción y Arriostre de los Trusses de Madera Conectados con Placas de Metal*** para información más detallada.*

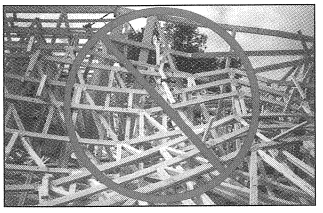
*Los dibujos de diseño de los trusses pueden especificar las localizaciones de restricción lateral permanente o refuerzo en los miembros individuales del truss. Vea la hoja resumen BCSI-B3*** para más información. El resto de los diseños de arriostres permanentes son la responsabilidad del diseñador del edificio.*

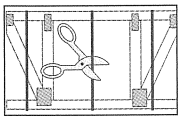
WARNING! The consequences of improper handling, erecting, installing, restraining and bracing can result in a collapse of the structure, or worse, serious personal injury or death.

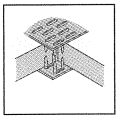
¡ADVERTENCIA! El resultado de un manejo, levantamiento, instalación, restricción y arrisotre incorrecto puede ser la caída de la estructura o aún peor, heridos o muertos.

CAUTION! Banding and truss plates have sharp edges. Wear gloves when handling and safety glasses when cutting banding.

¡CAUTELA! Chapas de metal tienen bordes afilados. Lleve guantes y lentes protectores cuando corte las ataduras.

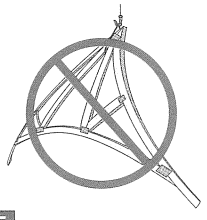






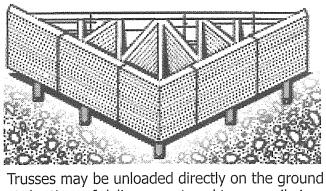
HANDLING — *MANEJO*

NOTICE Avoid lateral bending.
Evite la flexión lateral.



NOTICE The contractor is responsible for properly receiving, unloading and storing the trusses at the jobsite. Unload trusses to smooth surface to prevent damage.

El contratista tiene la responsabilidad de recibir, descargar y almacenar adecuadamente los trusses en la obra. Descargue los trusses en la tierra liso para prevenir el daño.



☑ Trusses may be unloaded directly on the ground at the time of delivery or stored temporarily in contact with the ground after delivery. If trusses are to be stored horizontally for more than one week, place blocking of sufficient height beneath the stack of trusses at 8′ (2.4 m) to 10′ (3 m) on-center (o.c.).

Los trusses pueden ser descargados directamente en el suelo en aquel momento de entrega o almacenados temporalmente en contacto con el suelo después de entrega. Si los trusses estarán guardados horizontalmente para más de una semana, ponga bloqueando de altura suficiente detrás de la pila de los trusses a 8 hasta 10 pies en centro (o.c.).

☑ For trusses stored for more than one week, cover bundles to protect from the environment.

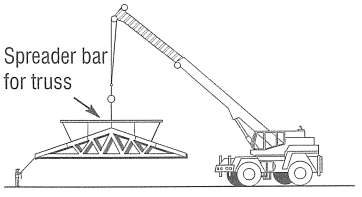
Para trusses guardados por más de una semana, cubra los paquetes para protegerlos del ambiente.

Refer to BCSI*** for more detailed information pertaining to handling and jobsite storage of trusses.

*Vea el folleto BCSI*** para información más detallada sobre el manejo y almacenado de los trusses en área de trabajo.*

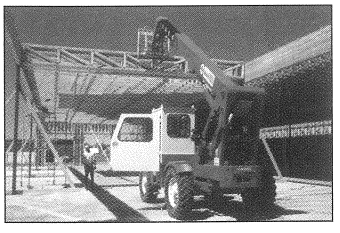
CAUTION! Use special care in windy weather or near power lines and airports.

¡CAUTELA! Utilice cuidado especial en días ventosos o cerca de cables eléctricos o de aeropuertos.



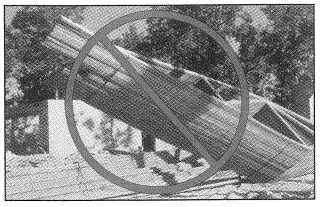
☑ Use proper rigging and hoisting equipment.

Use equipo apropiado para levantar e improvisar.



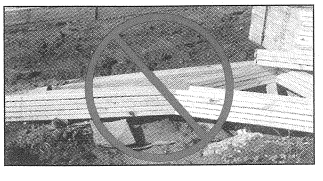
⊘ **DO NOT** store unbraced bundles upright.

NO almacene verticalmente los trusses sueltos.



⊘ **DO NOT** store on uneven ground.

NO almacene en tierra desigual.



HOISTING AND PLACEMENT OF TRUSS BUNDLES
RECOMENDACIONES PARA LEVANTAR PAQUETES DE TRUSSES

⊘ **DON'T** overload the crane.

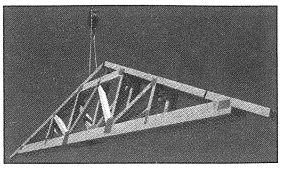
NO sobrecargue la grúa.

⊘ **NEVER** use banding to lift a bundle.

NUNCA use las ataduras para levantar un paquete.

☑ A single lift point may be used for bundles of top chord pitch trusses up to 45′ (13.7 m) and parallel chord trusses of 30′ (9.1 m) or less.
Use at least two lift points for bundles with trusses up to 60′ (18.3 m).
Use at least 3 lift points for bundles with trusses greater than 60′ (18.3 m).

Puede usar un solo lugar de levantar para paquetes de trusses de la cuerda superior hasta 45′ y trusses de cuerdas paralelas de 30′ o menos.
Puede usar dos puntos de levantar para paquetes más de 60 pies.
Use por lo menos tres puntos de levantar para paquetes más de 60 pies.



WARNING! Do not over load supporting structure with truss bundle.

¡ADVERTENCIA! No sobrecargue la estructura apoyada con el paquete de trusses.

☑ Place truss bundles in stable position.

Puse paquetes de trusses en una posició estable.

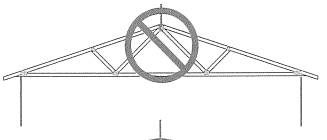
MECHANICAL HOISTING RECOMMENDATIONS FOR SINGLE TRUSSES
RECOMENDACIONES PARA LEVANTAR TRUSSES INDIVIDUALES

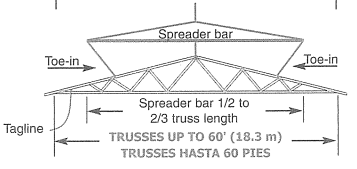
☑ Hold each truss in position with the erection equipment until top chord temporary lateral restraint is installed and the truss is fastened to the bearing points.

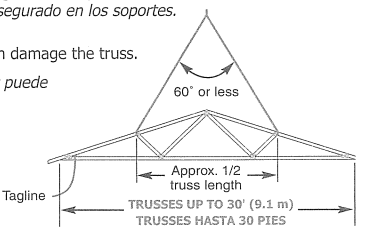
Sostenga cada truss en posición con equipo de grúa hasta que la restricción lateral temporal de la cuerda superior esté instalado y el truss está asegurado en los soportes.

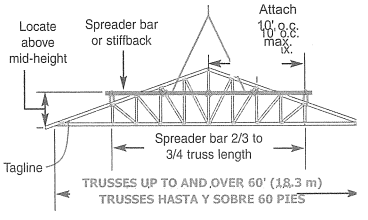
NOTICE Using a single pick-point at the peak can damage the truss.

El uso de un solo lugar en el pico para levantar puede hacer daño al truss.





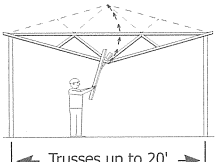




INSTALLATION OF SINGLE TRUSSES BY HAND
RECOMMENDACCIONES DE LEVANTAMIENTO DE TRUSSES INDIVIDUALES POR LA MANO

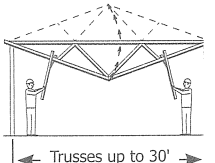
☑ Trusses 20' (6.1 m) or less, support near peak.

Soporte cerca al pico los trusses de 20 pies o menos.



☑ Trusses 30' (9.1 m) or less, support at quarter points.

Soporte de los cuartos de tramo los trusses de 30 pies o menos.



TEMPORARY RESTRAINT & BRACING
RESTRICCIÓN Y ARRIOSTRE TEMPORAL

NOTICE Refer to BCSI-B2*** for more information.

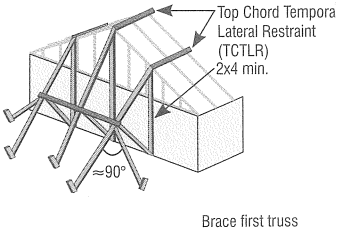
*Vea el resumen BCSI-B2*** para más información.*

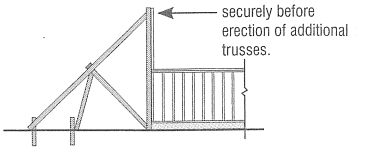
☑ Locate ground braces for first truss directly in line with all rows of top chord temporary lateral restraint (see table in the next column).

Coloque los arriostres de tierra para el primer truss directamente en línea con cada una de las filas de restricción lateral temporal de la cuerda superior (vea la tabla en la próxima columna).

⊘ **DO NOT** walk on unbraced trusses.

NO camine en trusses sueltos.





¡ADVERTENCIA! HOJA RESUMEN DE LA GUÍA DE BUENA PRÁCTIC
Vanos más de 60 pies pueden requerir arriostre p

STALLING, RESTRAINING AND BRACING OF TRUSSES
Please always consult a Registered Design Professional.

B1

STEPS TO SETTING TRUSSES
LAS MEDIDAS DE LA INSTALACIÓN DE LOS TRUSSES

☑ **1)** Install ground bracing. **2)** Set first truss and attach securely to ground bracing. **3)** Set next 4 trusses with short member temporary lateral restraint (see below). **4)** Install top chord diagonal bracing (see below). **5)** Install web member plane diagonal bracing to stabilize the first five trusses (see below). **6)** Install bottom chord temporary lateral restraint and diagonal bracing (see below). **7)** Repeat process on groups of four trusses until all trusses are set.

1) Instale los arriostres de tierra. 2) Instale el primero truss y ate seguramente al arriostre de tierra. 3) Instale los próximos 4 trusses con restricción lateral temporal de miembro corto (vea abajo). 4) Instale el arriostre diagonal de la cuerda superior (vea abajo). 5) Instale arriostre diagonal para los planos de los miembros secundarios para estabilice los primeros cinco trusses (vea abajo). 6) Instale la restricción lateral temporal y arriostre diagonal para la cuerda inferior (vea abajo). 7) Repita éste procedimiento en grupos de cuatro trusses hasta que todos los trusses estén instalados.

NOTICE Refer to BCSI-B2*** for more information.

*Vea el resùmen BCSI-B2*** para más información.*

RESTRAINT/BRACING FOR ALL PLANES OF TRUSSES
RESTRICCIÓN/ARRIOSTRE PARA TODOS PLANOS DE TRUSSES

☑ This restraint & bracing method is for all trusses except 3x2 and 4x2 parallel chord trusses (PCTs). See top of next column for temporary restraint and bracing of PCTs.

Este método de restricción y arriostre es para todo trusses excepto trusses de cuerdas paralelas (PCTs) 3x2 y 4x2. Vea la parte superior de la columna para la restricción y arriostre temporal de PCTs.

1) TOP CHORD — *CUERDA SUPERIOR*

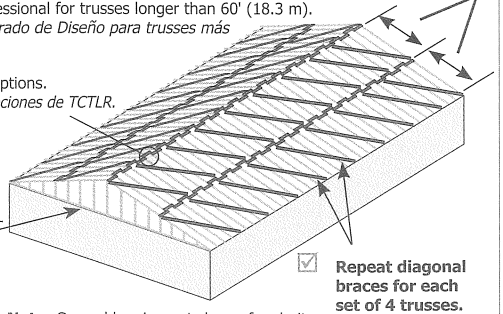
Truss Span *Longitud de Tramo*	Top Chord Temporary Lateral Restraint (TCTLR) Spacing *Espaciamiento del Arriostre Temporal de la Cuerda Superior*
Up to 30' (9.1 m)	10' (3 m) o.c. max.
30' (9.1 m) – 45' (13.7 m)	8' (2.4 m) o.c. max.
45' (13.7 m) – 60' (18.3 m)	6' (1.8 m) o.c. max.
60' (18.3 m) – 80' (24.4 m)*	4' (1.2 m) o.c. max.

*Consult a Registered Design Professional for trusses longer than 60' (18.3 m).
**Consulte a un Profesional Registrado de Diseño para trusses más de 60 pies.*

☑ See BCSI-B2*** for TCTLR options.
*Vea el BCSI-B2*** para las opciones de TCTLR.*

NOTICE Refer to BCSI-B3*** for Gable End Frame restraint/bracing/ reinforcement information.

*Para información sobre restricción/arriostre/refuerzo para Armazones Hastiales vea el resumen BCSI-B3****



☑ **Repeat diagonal braces for each set of 4 trusses.**
Repita los arrisotres diagonales para cada grupo de 4 trusses.

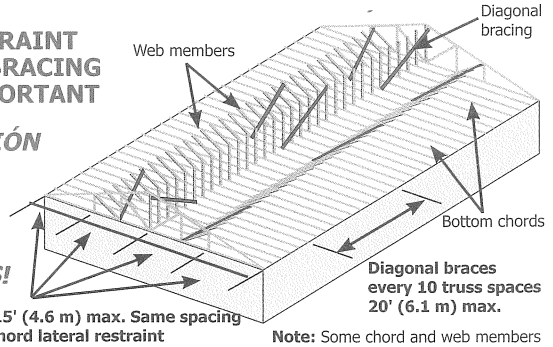
Note: Ground bracing not shown for clarity.

2) WEB MEMBER PLANE — *PLANO DE LOS MIEMBROS SECUNDARIOS*

NOTICE

LATERAL RESTRAINT & DIAGONAL BRACING ARE VERY IMPORTANT

¡LA RESTRICCIÓN LATERAL Y EL ARRIOSTRE DIAGONAL SON MUY IMPORTANTES!

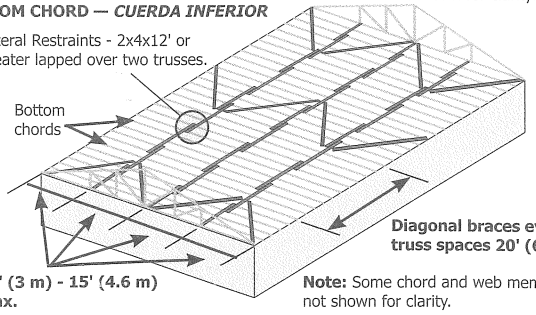


Diagonal braces every 10 truss spaces 20' (6.1 m) max.

10' (3 m) - 15' (4.6 m) max. Same spacing as bottom chord lateral restraint

Note: Some chord and web members not shown for clarity.

3) BOTTOM CHORD — *CUERDA INFERIOR*

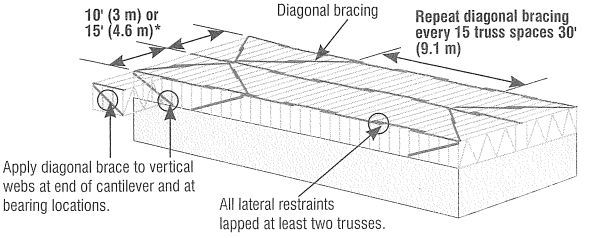


Note: Some chord and web members not shown for clarity.

RESTRAINT & BRACING FOR 3x2 AND 4x2 PARALLEL CHORD TRUSSES
RESTRICCIÓN Y ARRIOSTRE PARA TRUSSES DE CUERDAS PARALELAS 3X2 Y 4X2

NOTICE Refer to BCSI-B7*** for more information.

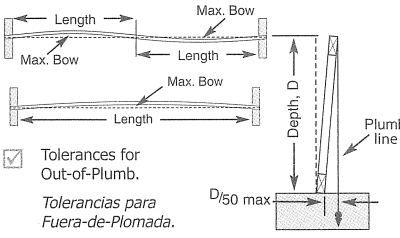
*Vea el resumen BCSI-B7*** para más información.*



***Top chord temporary lateral restraint spacing shall be 10' (3 m) o.c. max. for 3x2 chords and 15' (4.6 m) o.c. for 4x2 chords.**

INSTALLING — *INSTALACIÓN*

☑ Tolerances for Out-of-Plane.
Tolerancias para Fuera-de-Plano.



☑ Tolerances for Out-of-Plumb.
Tolerancias para Fuera-de-Plomada.

Out-of-Plumb	
D/50	D (ft.)
1/4" (6 mm)	1' (0.3 m)
1/2" (13 mm)	2' (0.6 m)
3/4" (19 mm)	3' (0.9 m)
1" (25 mm)	4' (1.2 m)
1-1/4" (32 mm)	5' (1.5 m)
1-1/2" (38 mm)	6' (1.8 m)
1-3/4" (45 mm)	7' (2.1 m)
2" (51 mm)	≥8' (≥2.4 m)

Out-of-Plane	
Max. Bow	Truss Length
3/4" (19 mm)	12.5' (3.8 m)
7/8" (22 mm)	14.6' (4.5 m)
1" (25 mm)	16.7' (5.1 m)
1-1/8" (29 mm)	18.8' (5.7 m)
1-1/4" (32 mm)	20.8' (6.3 m)
1-3/8" (35 mm)	22.9' (7.0 m)
1-1/2" (38 mm)	25.0' (7.6 m)
1-3/4" (45 mm)	29.2' (8.9 m)
2" (51 mm)	≥33.3' (10.1 m)

CONSTRUCTION LOADING
CARGA DE CONSTRUCCIÓN

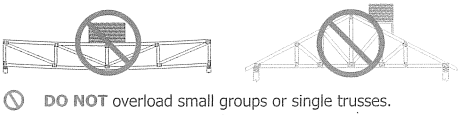
⊘ **DO NOT** proceed with construction until all lateral restraint and bracing is securely and properly in place.

NO proceda con la construcción hasta que todas las restricciones laterales y los arriostres estén colocados en forma apropiada y segura.

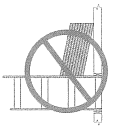
⊘ **DO NOT** exceed maximum stack heights. Refer to BCSI-B4*** for more information.

*NO exceda las alturas máximas de montón. Vea el resumen BCSI-B4*** para más información.*

Maximum Stack Height for Material on Trusses	
Material	Height
Gypsum Board	12" (305 mm)
Plywood or OSB	16" (406 mm)
Asphalt Shingles	2 bundles
Concrete Block	8" (203 mm)
Clay Tile	3-4 tiles high



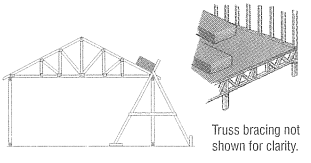
⊘ **DO NOT** overload small groups or single trusses.
NO sobrecargue pequeños grupos o trusses individuales.



⊘ **NEVER** stack materials near a peak or at mid-span.
***NUNCA** amontone los materiales cerca de un pico.*

☑ Place loads over as many trusses as possible.
Coloque las cargas sobre tantos trusses como sea posible.

☑ Position loads over load bearing walls.
Coloque las cargas sobre las paredes soportantes.



Truss bracing not shown for clarity.

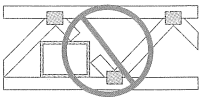
ALTERATIONS — ALTERACIONES

NOTICE Refer to BCSI-B5.***

*Vea el resumen BCSI-B5.****

⊘ **DO NOT** cut, alter, or drill any structural member of a truss unless specifically permitted by the truss design drawing.

NO corte, altere o perfore ningún miembro estructural de un truss, a menos que esté específicamente permitido en el dibujo del diseño del truss.



NOTICE Trusses that have been overloaded during construction or altered without the Truss Manufacturer's prior approval may render the Truss Manufacturer's limited warranty null and void.

Trusses que se han sobrecargado durante la construcción o han sido alterados sin la autorización previa del Fabricante de Trusses, pueden hacer nulo y sin efecto la garantía limitada del Fabricante de Trusses.

***Contact the Component Manufacturer for more information or consult a Registered Design Professional for assistance.**
To view a non-printing PDF of this document, visit www.sbcindustry.com/b1.

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PARA EL MANEJO, INSTALACIÓN, RESTRICCIÓN Y ARRIOSTRE DE LOS TRUSSES
manente complejo. Por favor, siempre consulte a un Profesional Registrado de Diseño.