SCI
ENGINEERED TRUSS SYSTEMS

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ROOF
TRUSS ENGINEERING

Salas O'Brien

APPROVAL FOR GENERAL COMPLIANCE WITH THE STRUCTURAL CONTRACT DOCUMENTS

[ ] APPROVED*
Fabrication may proceed as shown.

[X] APPROVED AS CORRECTED*
Fabrication may proceed based on noted corrections.

[ ] DISAPPROVED*
Fabrication may not proceed. Correct and resubmit.

[ ] REVIEWED FOR INFORMATION ONLY
Approval not required. Accepted for information purposes.

[ ] FURNISH ( ) CORRECTED COPIES

*Approval is for general compliance with the structural contract documents only. This approval assumes no responsibility for dimensions, quantities and conditions that pertain to fabrication and installation or for processes and techniques of construction.

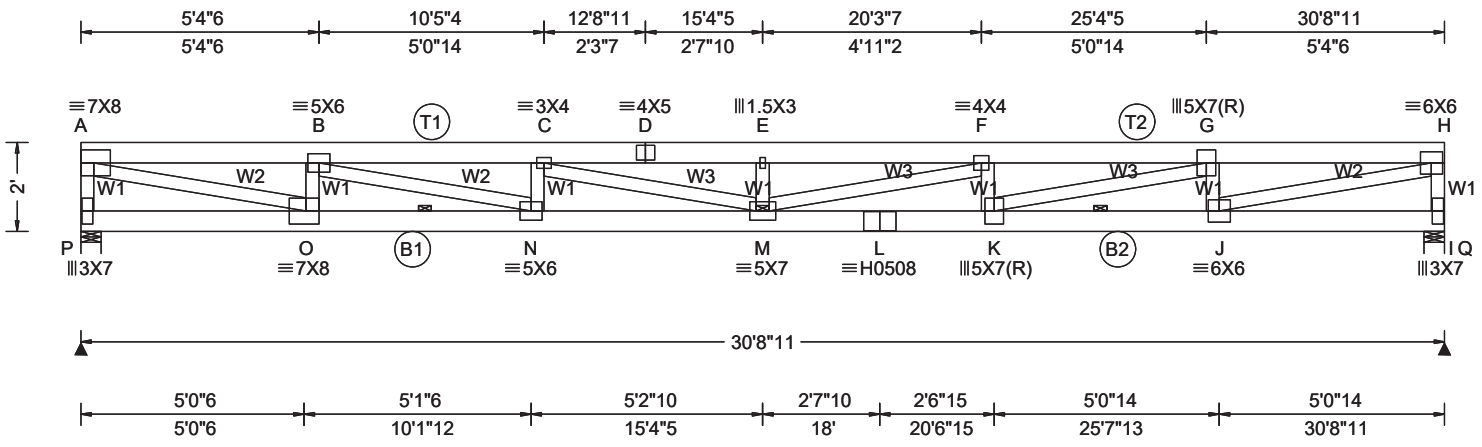
SIGNED BRAD CARVILLE, PE

DATE 10-07-24

332 NEW HAMPSHIRE
COVINGTON, LA
BEACH LUMBER, LLC
SCI Job #209802

Product Lines: Roof Trusses, Floor Trusses, Laminated Beams, Simpson Hardware

SEQN: 144252 / T10 / FLAT FROM:	Ply: 2 Qty: 2 Wgt: 392.0 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1G	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.07 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.460 E	801	360
VERT(CL):	1.070 E	344	240
HORZ(LL):	0.058 A	-	-
HORZ(TL):	0.134 A	-	-

Creep Factor: 2.0
Max TC CSI: 0.597
Max BC CSI: 0.756
Max Web CSI: 0.973
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
P	2770 /-	/-	/-	/687	/-
Q	2152 /-	/-	/-	/554	/-

Wind reactions based on MWFRS
P Brg Wid = 5.5 Min Req = 1.5 (Truss)
Q Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings P & Q are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	1004	-4144	E - F	1710	-6909
B - C	1694	-7011	F - G	1352	-5405
C - D	1710	-6909	G - H	789	-3122
D - E	1710	-6909			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
P - O	19	0	L - K	5528	-1368
O - N	4350	-1041	K - J	3293	-820
N - M	7053	-1690	J - I	16	0
M - L	5528	-1368			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - P	343	-1339	E - M	76	-161
A - O	4311	-1034	F - K	187	-657
O - B	303	-1109	K - G	2219	-540
B - N	2796	-666	G - J	262	-921
N - C	79	-225	J - H	3247	-811
C - M	185	-151	H - I	277	-1031
M - F	1448	-339			

Lumber

Top chord: 2x6 SP #2;
Bot chord: 2x6 SP 2400f-2.0E; B2 2x6 SP #1;
Webs: 2x4 SP #3; W2 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 60 plf at 0.00 to 60 plf at 30.72
BC: From 20 plf at 0.00 to 20 plf at 30.72
PLT: 220 lb Conc. Load at (7.23,28.89), (12.04,28.89)
PLT: 125 lb Conc. Load at (20.50,28.89), (25.46,28.89)
BC: 613 lb Conc. Load at 7.29
BC: 1162 lb Conc. Load at 11.98

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	120	0.00	30.72

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Additional Notes

Truss must be installed as shown with top chord up.

Wind

Wind loads and reactions based on MWFRS.

End verticals exposed to wind pressure. Deflection meets L/240.

Deflection

Max JT VERT DEFL: LL: 0.46" DL: 0.61". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

07/23/24
This drawing was electronically sealed by Robert A Davis PE, Firm #5552

[redacted]

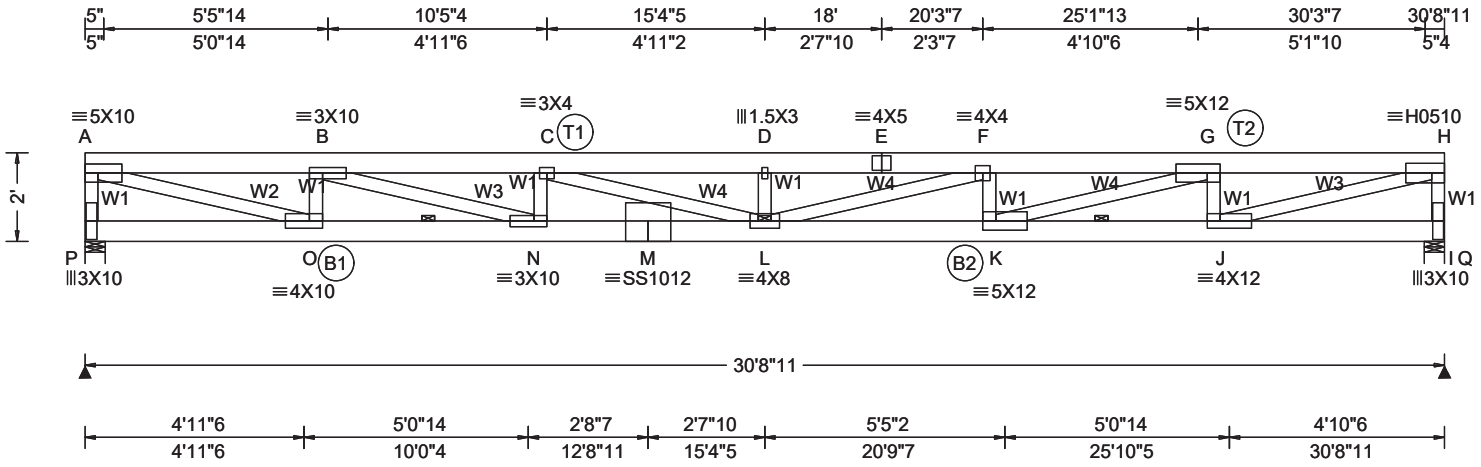
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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: 143859 / T55 / FLAT FROM:	Ply: 1 Qty: 1 Wgt: 196.0 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1A	DRW: ... / ... 07/22/2024



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.07 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE, 18SS, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.456	D	808	360
VERT(CL): 1.157	D	318	240
HORZ(LL): 0.057	A	-	-
HORZ(TL): 0.143	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.760
Max BC CSI: 0.996
Max Web CSI: 0.983
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
P	1682	/-	/-	/629	/358	/53
Q	1436	/-	/-	/629	/358	/-

Wind reactions based on MWFRS
P Brg Wid = 5.5 Min Req = 1.5 (Truss)
Q Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings P & Q are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	1770	-4805	E - F	3179	-7995
B - C	2836	-7667	F - G	2830	-6623
C - D	3179	-7995	G - H	1763	-3968
D - E	3179	-7995			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
P - O	86	-92	L - K	6751	-2931
O - N	5065	-1895	K - J	4181	-1912
N - M	7808	-2899	J - I	27	-36
M - L	7808	-2899			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - P	656	-1597	L - F	1303	-336
A - O	4999	-1861	F - K	329	-688
O - B	588	-1398	K - G	2566	-1006
B - N	2735	-1004	G - J	587	-1142
N - C	326	-758	J - H	4124	-1852
C - L	378	-335	H - I	654	-1356
D - L	221	-363			

Lumber
Top chord: 2x6 SP #1; T2 2x6 SP #2;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W2 2x4 SP #1; W3 2x4 SP #2;

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	105	0.00	30.72

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Loading
Truss supports 1319# mech unit; unit centered at 9-7-10; supported by TC; unit width 4-9-12; supported by 4 trusses.

Wind
Wind loads based on MWFRS with additional C&C member design.

End verticals exposed to wind pressure. Deflection meets L/240.

Deflection
Max JT VERT DEFL: LL: 0.46" DL: 0.83". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes
Truss must be installed as shown with top chord up.

07/23/24
This drawing was electronically sealed by Robert A Davis PE, Firm #5552

[redacted]

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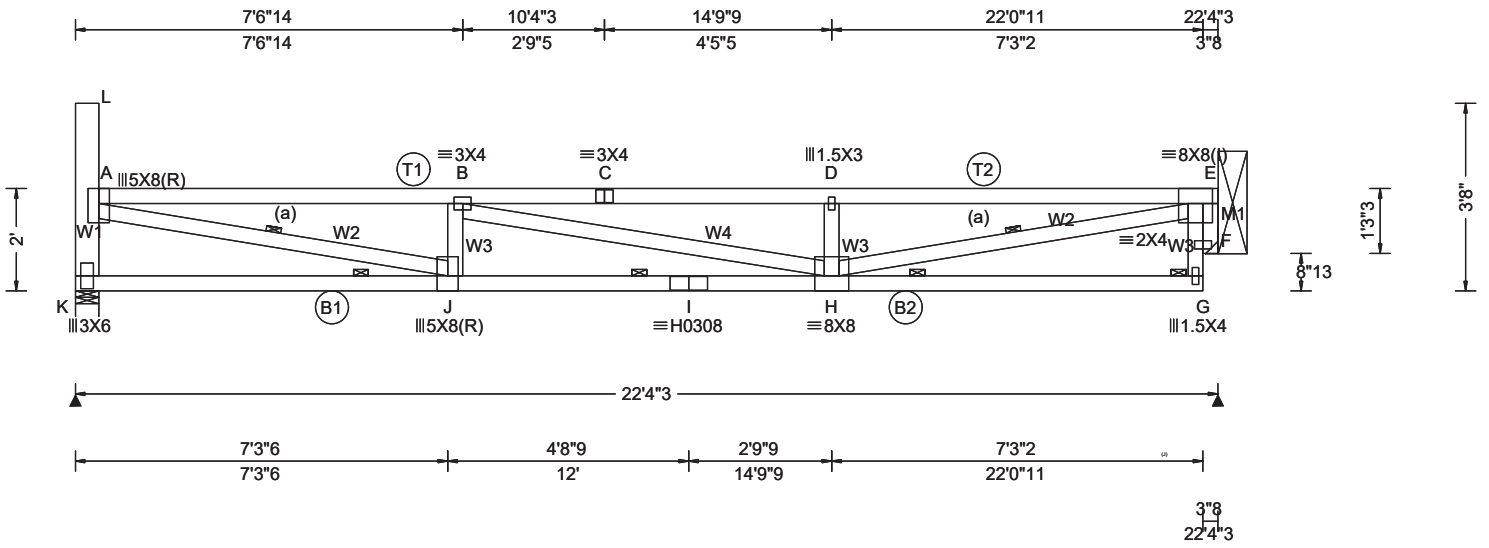
SEQN: 143953 / T82 / FLAT FROM:	Ply: 1 Qty: 9 Wgt: 116.2 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1B	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Yes
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.220 B	999	360
VERT(CL):	0.440 B	605	240
HORZ(LL):	0.030 A	-	-
HORZ(TL):	0.060 A	-	-

Creep Factor: 2.0
Max TC CSI: 0.901
Max BC CSI: 0.998
Max Web CSI: 0.999
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
K	861	/-	/-	/451	/299	/128
F	894	/-	/-	/465	/315	/-

Wind reactions based on MWFRS
K Brg Wid = 5.5 Min Req = 1.5 (Truss)
F 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	1878	-2709	C - D	1848	-2730
B - C	1848	-2730	D - E	1848	-2730

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
K - J	262	-305	I - H	2776	-1940
J - I	2776	-1940	H - G	223	-171

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
K - A	583	-793	D - H	407	-425
A - J	2622	-1841	H - E	2576	-1723
L - A	12	-8	F - G	68	0
J - B	433	-420	E - F	1354	-1657
B - H	94	-61			

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W1 2x6 SP #2;
Rt Bearing Leg: 2x4 SP #3;

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

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

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	71	0.00	22.06

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

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

Loading
Drifting snow load has been considered for only in plane loading as follows:

Location	Lu1	Lu2	Height	Pd	W
0.46	0.00	21.89	1.67	19.06	2.60

Where: Lu1 = leeward distance, Lu2 = windward distance
Pd = max applied load, W = length of applied load.

Wind
Wind loads based on MWFRS with additional C&C member design.

Left end vertical exposed to wind pressure. Deflection meets L/240.

Right end vertical not exposed to wind pressure.

Deflection
Max JT VERT DEFL: LL: 0.22" DL: 0.22". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes
Provide for complete drainage of roof.
Truss must be installed as shown with top chord up.

07/23/24
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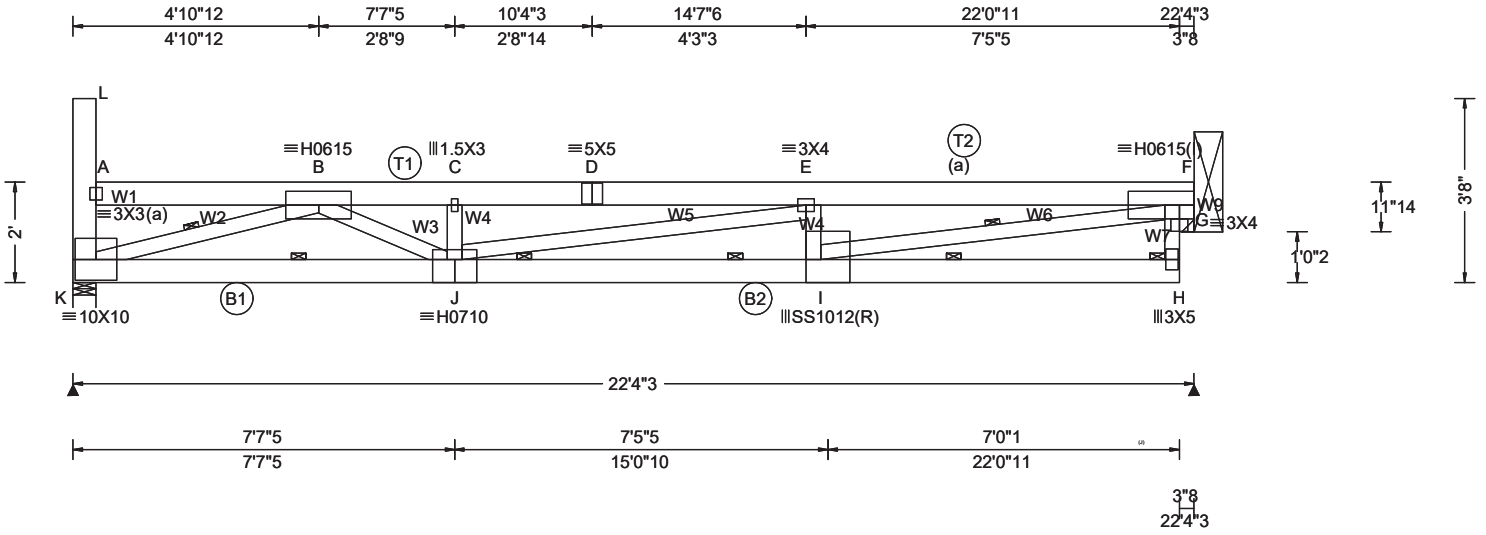
SEQN: 144307 / T90 / FLAT FROM:	Ply: 1 Qty: 2 Wgt: 147.0 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1BG	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE, HS, 18SS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.309 C	863	360
VERT(CL):	0.730 C	365	240
HORZ(LL):	0.052 A	-	-
HORZ(TL):	0.122 A	-	-

Creep Factor: 2.0
Max TC CSI: 0.950
Max BC CSI: 0.966
Max Web CSI: 0.978
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
K	2257 /-	/-	/-	/644	/74
G	1924 /-	/-	/-	/497	/-

Wind reactions based on MWFRS
K Brg Wid = 5.5 Min Req = 2.7 (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	107	-120	D - E	2186	-8102
B - C	2186	-8102	E - F	1883	-7461
C - D	2186	-8102			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
K - J	6362	-1917	I - H	400	-110
J - I	7616	-1935			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
K - A	95	-224	J - E	498	-258
K - B	1898	-6545	E - I	280	-834
L - A	0	-2	I - F	7223	-1813
B - J	2001	-448	G - H	74	0
C - J	149	-620	F - G	902	-3034

Lumber

Top chord: 2x6 SP #1;
Bot chord: 2x6 SP #1; B2 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W1 2x6 SP #2; W2,W7 2x4 SP #2;
W6 2x4 SP 2400f-2.0E + SP SS Dense;
Rt Bearing Leg: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

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

TC: From	60 plf at	0.46 to	60 plf at	9.49	
TC: From	30 plf at	9.49 to	30 plf at	12.86	
TC: From	60 plf at	12.86 to	60 plf at	22.35	
BC: From	20 plf at	0.00 to	20 plf at	7.61	
BC: From	10 plf at	7.61 to	10 plf at	12.86	
BC: From	20 plf at	12.86 to	20 plf at	22.06	

TC: 1000 lb Conc. Load at 4.90
PLT: 330 lb Conc. Load at (9.43,28.93), (16.71,28.93)
BC: 242 lb Conc. Load at 9.49
BC: 678 lb Conc. Load at 12.86

Plating Notes

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

Hangers / Ties

(J) Hanger Support Required, by others

Additional Notes

Truss must be installed as shown with top chord up.

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	66	0.00	22.06

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Loading

Drifting snow load has been considered for only in plane loading as follows:

Location	Lu1	Lu2	Height	Pd	W
0.46	0.00	21.89	1.67	19.06	2.60

Where: Lu1 = leeward distance, Lu2 = windward distance
Pd = max applied load, W = length of applied load.

Wind

Wind loads and reactions based on MWFRS.

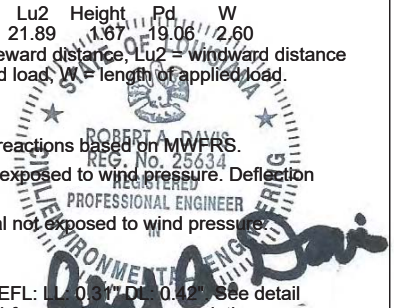
Left end vertical exposed to wind pressure. Deflection meets L/240.

Right end vertical not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL -0.31" DL -0.42". See detail DEFLCAMB1014 for camber recommendations.
Provide for adequate drainage of roof.

07/23/24
This drawing was electronically sealed by Robert A Davis PE, Firm #5552



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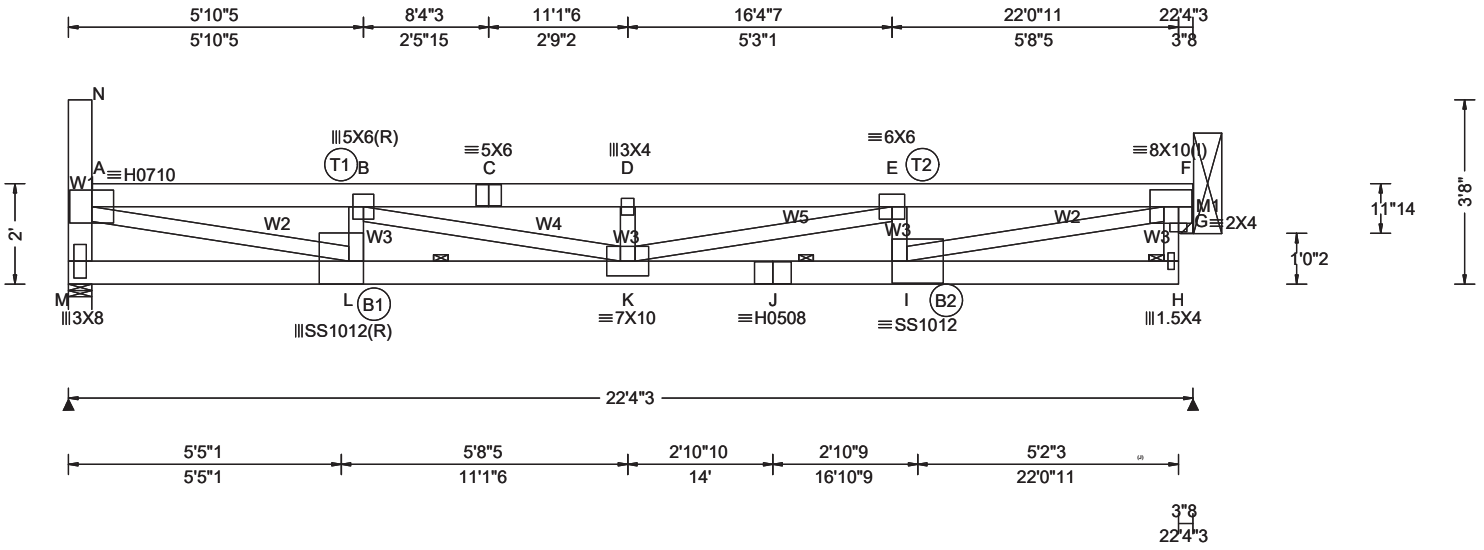
SEQN: 143956 / T83 / FLAT FROM:	Ply: 2 Qty: 2 Wgt: 302.4 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1C	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: NA
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE, HS, 18SS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.370 D	720	360
VERT(CL):	0.740 D	360	240
HORZ(LL):	0.036 A	-	-
HORZ(TL):	0.071 A	-	-

Creep Factor: 2.0
Max TC CSI: 0.974
Max BC CSI: 0.979
Max Web CSI: 0.936
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
M	3664	/-	/-	/451	/1243	/126
G	3091	/-	/-	/465	/1056	/-

Wind reactions based on MWFRS
M Brg Wid = 5.5 Min Req = 1.5 (Truss)
G 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	2118	-6228	D - E	2911	-8550
B - C	2911	-8550	E - F	1750	-5148
C - D	2911	-8550			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
M - L	244	-157	J - I	5398	-1841
L - K	6483	-2211	I - H	179	-64
K - J	5398	-1841			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
M - A	610	-1764	D - K	561	-1572
A - L	6145	-2089	E - I	490	-1348
N - A	6	-4	I - F	5167	-1754
L - B	514	-1416	G - H	47	-5
B - K	2154	-729	F - G	641	-1698
K - E	3284	-1114			

Lumber

Top chord: 2x6 SP 2400f-2.0E; T2 2x6 SP #1;
Bot chord: 2x6 SP 2400f-2.0E; B2 2x6 SP #1;
Webs: 2x4 SP #3; W1 2x6 SP #2; W2 2x4 SP #1;
W5 2x4 SP #2;
Rt Bearing Leg: 2x4 SP #3;

Nailnote

Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @ 6.00" 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 60 plf at 0.46 to 60 plf at 22.35
BC: From 20 plf at 0.00 to 20 plf at 22.06
TC: 1000 lb Conc. Load at 5.90, 7.90, 9.90,11.90 13.21

Plating Notes

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

Hangers / Ties

(J) Hanger Support Required, by others

Deflection

Max JT VERT DEFL: LL: 0.37" DL: 0.37". See detail DEFLCAMB1014 for camber recommendations.
Provide for adequate drainage of roof.

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	113	0.00	22.06

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Loading

Drifting snow load has been considered for only in plane loading as follows:

Location	Lu1	Lu2	Height	Pd	W
0.46	0.00	21.89	1.67	19.06	2.60

Where: Lu1 = leeward distance, Lu2 = windward distance
Pd = max applied load, W = length of applied load.

Wind

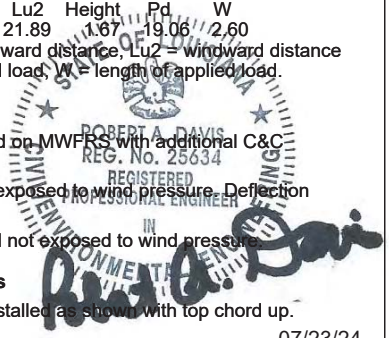
Wind loads based on MWFRS with additional C&C member design.

Left end vertical exposed to wind pressure. Deflection meets L/240.

Right end vertical not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.



07/23/24
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[redacted]

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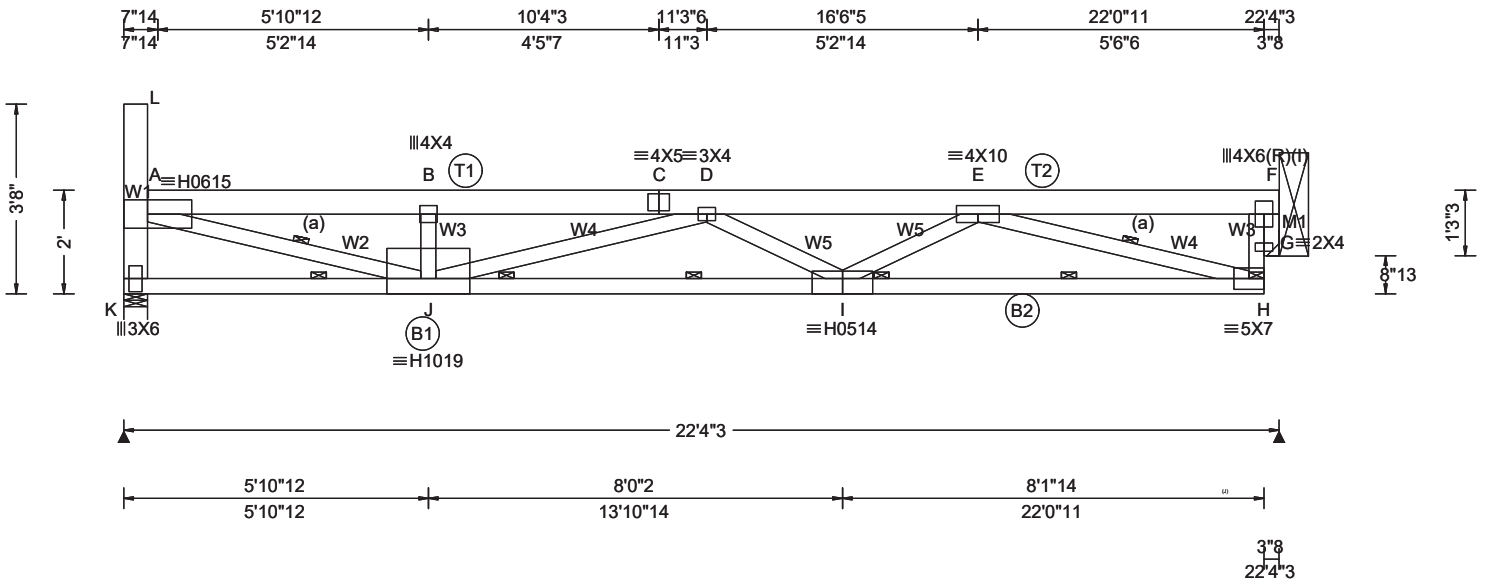
SEQN: 143930 / T84 / FLAT FROM:	Ply: 1 Qty: 3 Wgt: 128.8 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1D	DRW: ... / ... 07/22/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 psf
MWFRS Parallel Dist: h/2 to h
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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.360 D	740	360
VERT(CL):	0.742 D	359	240
HORZ(LL):	0.057 H	-	-
HORZ(TL):	0.118 H	-	-

Creep Factor: 2.0
Max TC CSI: 0.850
Max BC CSI: 0.964
Max Web CSI: 0.996
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
K	2385	/-	/-	/451	/788	/128
G	1478	/-	/-	/465	/487	/-

Wind reactions based on MWFRS
K Brg Wid = 5.5 Min Req = 2.4 (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	2559	- 7738	D - E	1837	- 5723
B - C	2553	- 7724	E - F	109	- 246
C - D	2553	- 7724			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
K - J	385	- 357	I - H	4233	- 1606
J - I	6917	- 2266			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
K - A	795	- 2318	D - I	549	- 1405
A - J	7636	- 2525	I - E	1753	- 447
L - A	15	- 10	E - H	1560	- 4155
B - J	736	- 1929	G - H	1247	- 432
J - D	843	- 353	F - G	2158	- 2445

Lumber

Top chord: 2x6 SP #2;
Bot chord: 2x4 :SP 2400f-2.0E + SP SS Dense:;
B2 2x4 SP #1;
Webs: 2x4 SP #3; W1 2x6 SP #2;
W2 2x4 SP 2400f-2.0E + SP SS Dense;
Rt Bearing Leg: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 60 plf at 0.46 to 60 plf at 22.35
BC: From 20 plf at 0.00 to 20 plf at 22.06
TC: 2000 lb Conc. Load at 5.90
PLT: 54 lb Conc. Load at (9.38,28.93), (12.38,28.93)

Plating Notes

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

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	52	0.00	22.06

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Loading

Drifting snow load has been considered for only in plane loading as follows:

Location	Lu1	Lu2	Height	Pd	W
0.46	0.00	21.89	1.67	19.06	2.60

Where: Lu1 = leeward distance, Lu2 = windward distance
Pd = max applied load, W = length of applied load.

Wind

Wind loads based on MWFRS with additional C&C member design.

Left end vertical exposed to wind pressure. Deflection meets L/240.

Right end vertical not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.33" DL: 0.35". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Truss must be installed as shown with top chord up.

STATE OF LOUISIANA
ROBERT A. DAVIS
REG. No. 25634
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENVIRONMENTAL ENGINEERING

07/23/24
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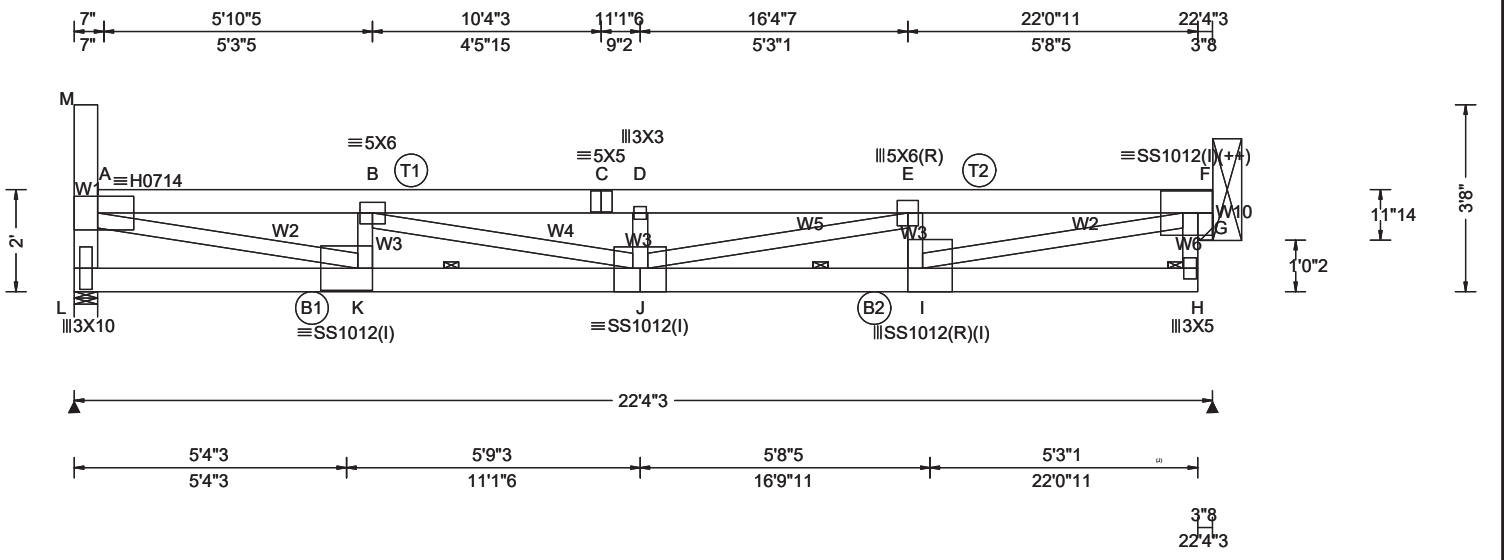
SEQN: 143941 / T86 / FLAT FROM:	Ply: 2 Qty: 2 Wgt: 302.4 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1F	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 psf
MWFRS Parallel Dist: h/2 to h
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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE, HS, 18SS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.427 D	624	360
VERT(CL):	0.853 D	312	240
HORZ(LL):	0.043 A	-	-
HORZ(TL):	0.087 A	-	-

Creep Factor: 2.0
Max TC CSI: 0.741
Max BC CSI: 0.971
Max Web CSI: 0.814
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
L	4650 /-	/-	/451	/1578	/126
G	6105 /-	/-	/465	/2081	/-

Wind reactions based on MWFRS
L Brg Wid = 5.5 Min Req = 1.9 (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	2654	- 7804	D - E	3725	- 10941
B - C	3725	- 10941	E - F	2878	- 8462
C - D	3725	- 10941			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
L - K	303	- 184	J - I	8891	- 3031
K - J	8129	- 2772	I - H	518	- 180

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
L - A	778	- 2249	D - J	508	- 1400
A - K	7701	- 2617	E - I	825	- 2311
M - A	8	- 5	I - F	8260	- 2806
K - B	657	- 1814	G - H	95	- 19
B - J	2930	- 993	F - G	1554	- 4241
J - E	2136	- 723			

Lumber

Top chord: 2x6 SP 2400f-2.0E;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W1 2x6 SP #2;
W2 2x4 SP 2400f-2.0E + SP SS Dense; W4 2x4 SP #2;
W6 2x4 SP #1;
Rt Bearing Leg: 2x4 SP #3;

Nailnote

Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @ 3.50" 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 60 plf at 0.46 to 60 plf at 22.35
BC: From 20 plf at 0.00 to 20 plf at 22.06
TC: 1000 lb Conc. Load at 4.90, 6.90, 8.90,10.90 12.90,14.90,16.90,18.90,20.54

Plating Notes

(++) - This plate works for both joints covered.

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

Hangers / Ties

(J) Hanger Support Required, by others

Additional Notes

Truss must be installed as shown with top chord up.

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	108	0.00	22.06

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Loading

Drifting snow load has been considered for only in plane loading as follows:

Location	Lu1	Lu2	Height	Pd	W
0.46	0.00	21.89	1.67	19.06	2.60

Where: Lu1 = leeward distance, Lu2 = windward distance
Pd = max applied load, W = length of applied load.

Wind

Wind loads based on MWFRS with additional C&C member design.

Left end vertical exposed to wind pressure. Deflection meets L/240.

Right end vertical not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.42" DL: 0.42". See detail DEFLCAMB1014 for camber recommendations.
Provide for adequate drainage of roof.

STATE OF VIRGINIA
ROBERT A. DAVIS
REG. No. 25634
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

07/23/24
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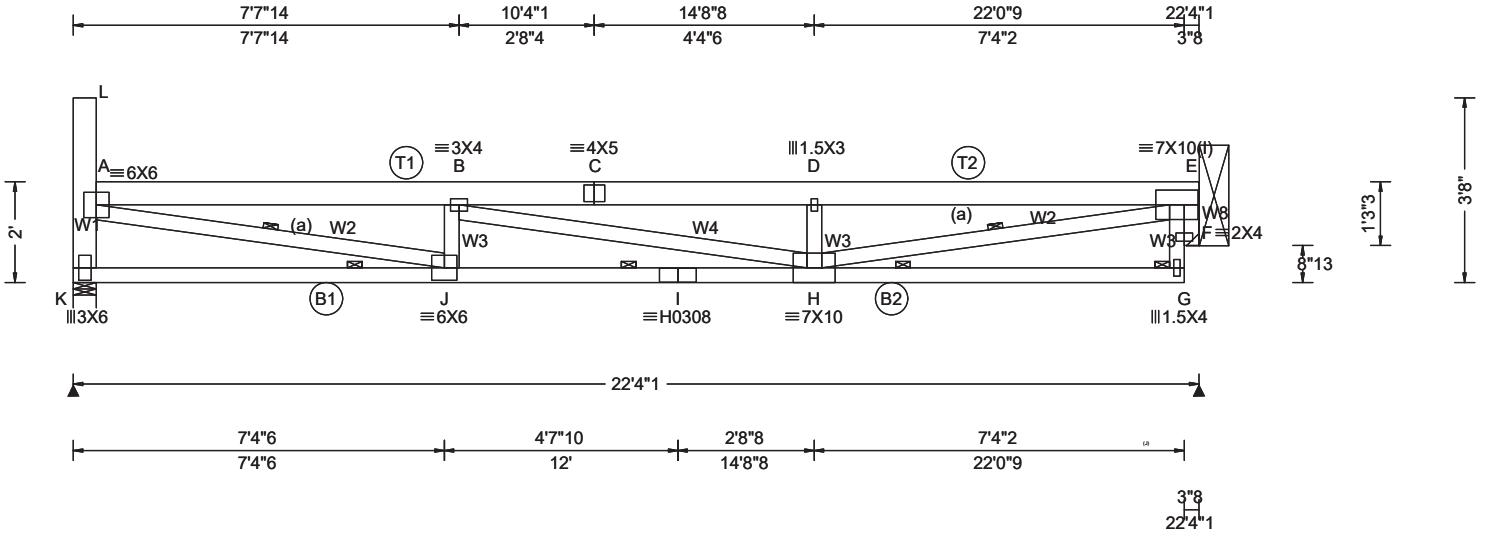
SEQN: 143950 / T74 / FLAT FROM:	Ply: 1 Qty: 7 Wgt: 131.6 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1H	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 psf
MWFRS Parallel Dist: h/2 to h
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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.178 D	999	360
VERT(CL):	0.545 D	488	240
HORZ(LL):	0.018 A	-	-
HORZ(TL):	0.055 A	-	-

Creep Factor: 2.0
Max TC CSI: 0.793
Max BC CSI: 0.992
Max Web CSI: 0.920
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
K	1058	/-	/-	/451	/299	/128
F	1618	/-	/-	/465	/315	/-

Wind reactions based on MWFRS
K Brg Wid = 5.5 Min Req = 1.5 (Truss)
F 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	1967	-3733	C - D	1934	-4309
B - C	1934	-4309	D - E	1934	-4309

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
K - J	357	-387	I - H	3822	-2022
J - I	3822	-2022	H - G	331	-158

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
K - A	585	-989	D - H	406	-846
A - J	3588	-1918	H - E	4073	-1819
L - A	15	-10	F - G	74	0
J - B	405	-544	E - F	1244	-2550
B - H	500	-81			

Lumber

Top chord: 2x6 SP #2;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3; W1 2x6 SP #2; W2 2x4 SP #2;
Rt Bearing Leg: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

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

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	75	0.00	22.05

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Hangers / Ties

(J) Hanger Support Required, by others

Deflection

Max JT VERT DEFL: LL: 0.18" DL: 0.37". See detail DEFLCAMB1014 for camber recommendations.
Provide for adequate drainage of roof.

Loading

Drifting snow load has been considered for only in plane loading as follows:

Location	Lu1	Lu2	Height	Pd	W
0.46	0.00	21.88	1.67	19.05	2.60

Where: Lu1 = leeward distance, Lu2 = windward distance
Pd = max applied load, W = length of applied load.

Truss supports 3226# mech unit; unit centered at 17-5-5; supported by TC; unit width 8-2-5; supported by 7 trusses.

Wind

Wind loads based on MWFRS with additional C&C member design.

Left end vertical exposed to wind pressure. Deflection meets L/240.

Right end vertical not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.

07/23/24
This drawing was electronically sealed by Robert A Davis PE, Firm #5552

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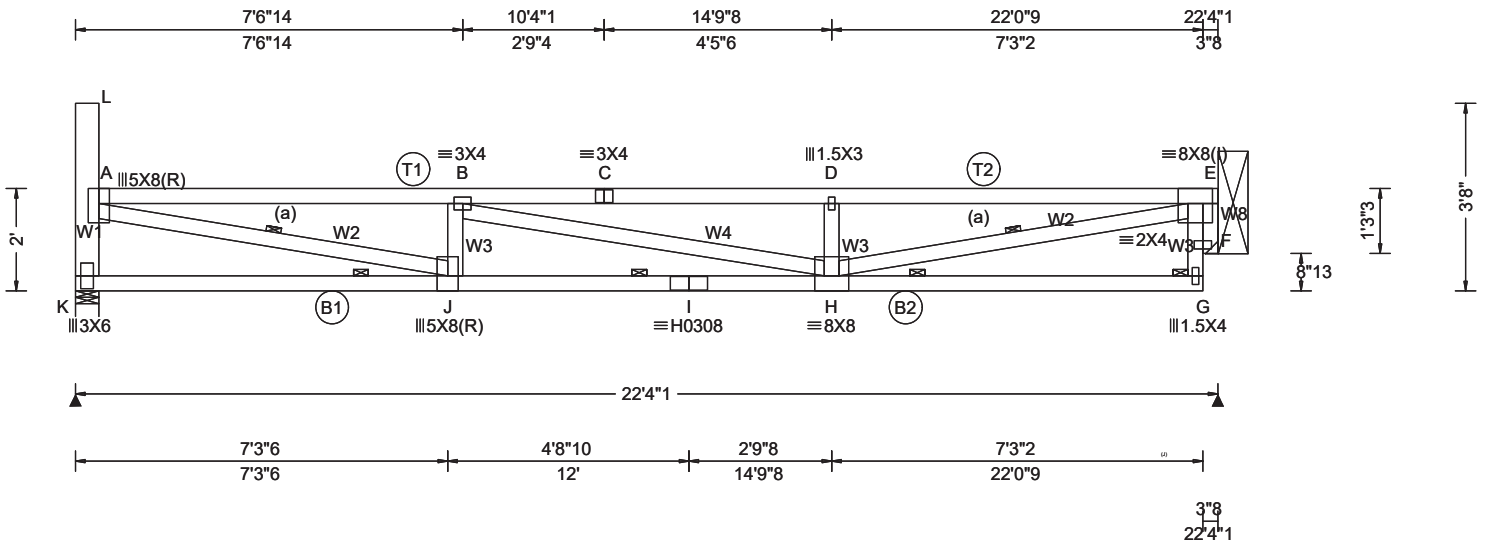
SEQN: 143966 / T89 / FLAT FROM:	Ply: 1 Qty: 15 Wgt: 116.2 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1J	DRW: ... / ... 07/23/2024



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 psf
MWFRS Parallel Dist: h/2 to h
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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Yes
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.219	B	999	360
VERT(CL): 0.439	B	606	240
HORZ(LL): 0.030	A	-	-
HORZ(TL): 0.060	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.899
Max BC CSI: 0.996
Max Web CSI: 0.998
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
K	861	/-	/-	/451	/299	/128
F	893	/-	/-	/465	/315	/-

Wind reactions based on MWFRS
K Brg Wid = 5.5 Min Req = 1.5 (Truss)
F 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	1900	-2706	C - D	1858	-2728
B - C	1858	-2728	D - E	1858	-2728

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
K - J	341	-341	I - H	2773	-1961
J - I	2773	-1961	H - G	222	-171

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
K - A	586	-792	D - H	407	-425
A - J	2619	-1871	H - E	2574	-1733
L - A	15	-9	F - G	68	0
J - B	440	-420	E - F	1356	-1656
B - H	105	-63			

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W1 2x6 SP #2;
Rt Bearing Leg: 2x4 SP #3;

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

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

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	71	0.00	22.05

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

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

Loading
Drifting snow load has been considered for only in plane loading as follows:

Location	Lu1	Lu2	Height	Pd	W
0.46	0.00	21.88	1.67	19.05	2.60

Where: Lu1 = leeward distance, Lu2 = windward distance
Pd = max applied load, W = length of applied load.

Wind
Wind loads based on MWFRS with additional C&C member design.

Left end vertical exposed to wind pressure. Deflection meets L/240.

Right end vertical not exposed to wind pressure.

Deflection
Max JT VERT DEFL: LL: 0.22" DL: 0.22". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes
Provide for complete drainage of roof.
Truss must be installed as shown with top chord up.

07/23/24
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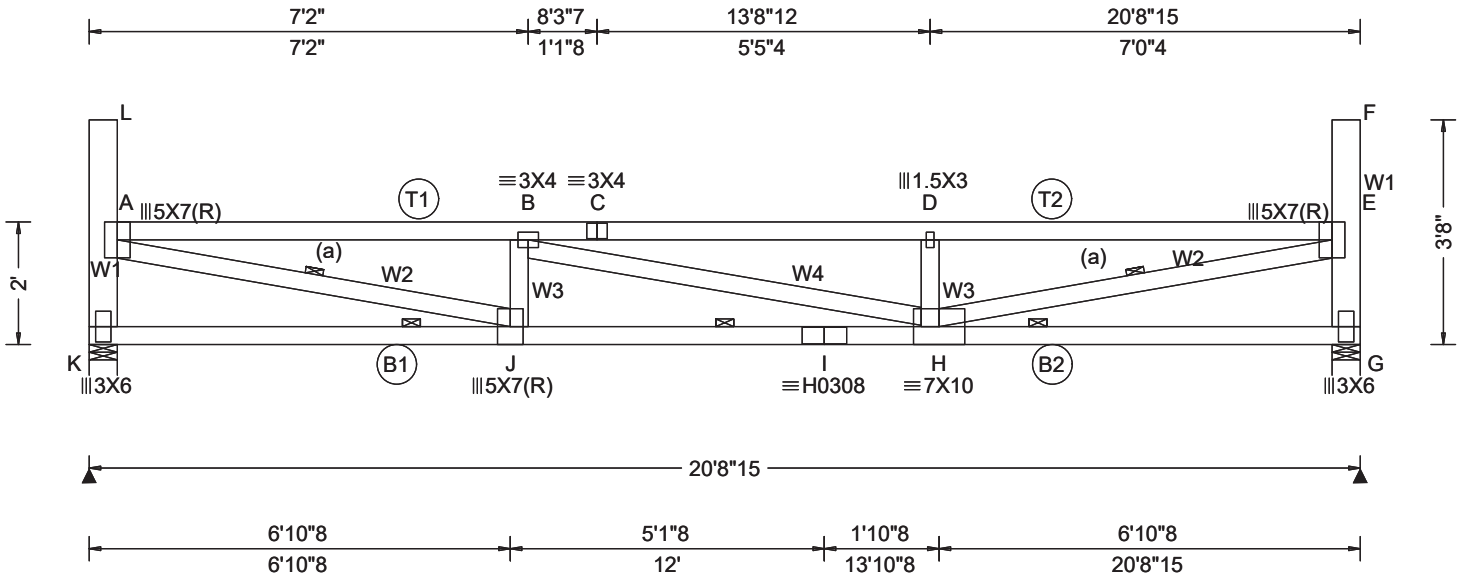
SEQN: 143972 / T44 / FLAT FROM:	Ply: 1 Qty: 10 Wgt: 114.8 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1K	DRW: ... / ... 07/23/2024



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Yes
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.168	B	999	360
VERT(CL): 0.339	B	734	240
HORZ(LL): 0.024	A	-	-
HORZ(TL): 0.049	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.825
Max BC CSI: 0.970
Max Web CSI: 0.878
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
K	802	/-	/-	/434	/288	/195
G	802	/-	/-	/434	/288	/-

Wind reactions based on MWFRS
K Brg Wid = 5.5 Min Req = 1.5 (Truss)
G Brg Wid = 5.5 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	1638	- 2366	C - D	1679	- 2405
B - C	1679	- 2405	D - E	1650	- 2376

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
K - J	536	- 600	I - H	2427	- 1957
J - I	2427	- 1957	H - G	126	- 120

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
K - A	592	- 738	D - H	390	- 377
A - J	2293	- 1800	H - E	2306	- 1816
L - A	15	- 9	E - G	592	- 738
J - B	444	- 385	F - E	15	- 9
B - H	212	- 172			

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W1 2x6 SP #2;

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

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	73	0.00	20.75

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

Loading
Drifting snow load has been considered for only in plane loading as follows:

Location	Lu1	Lu2	Height	Pd	W
0.46	0.00	20.00	1.67	17.51	2.39
20.29	0.00	20.00	1.67	17.51	2.39

Where: Lu1 = leeward distance, Lu2 = windward distance
Pd = max applied load, W = length of applied load.

Wind
Wind loads based on MWFRS with additional C&C member design.
End verticals exposed to wind pressure. Deflection meets L/240.

Deflection
Max JT VERT DEFL: LL: 0.16" DL: 0.17". See detail DEFLCAMB1014 for camber recommendations.
Provide for adequate drainage of roof.

Additional Notes
Provide for complete drainage of roof.
Truss must be installed as shown with top chord up.

07/23/24
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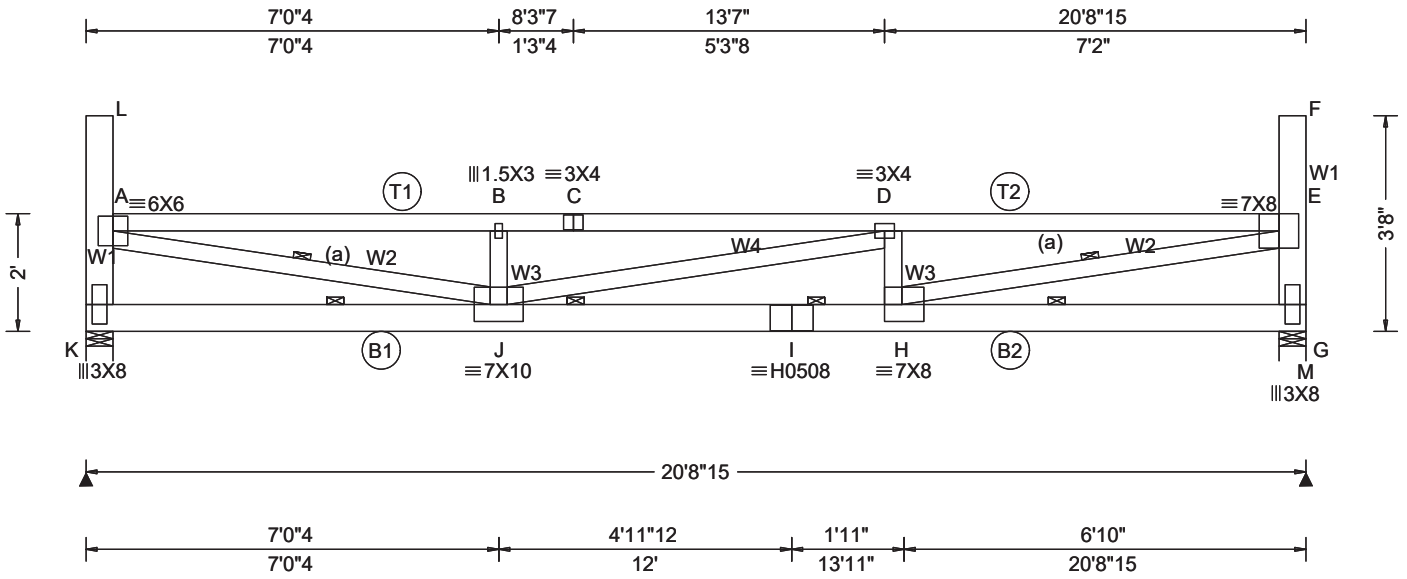
SEQN: 143978 / T45 / FLAT FROM:	Ply: 1 Qty: 1 Wgt: 127.4 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1KG	DRW: ... / ... 07/23/2024



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.261	B	954	360
VERT(CL): 0.524	B	475	240
HORZ(LL): 0.034	A	-	-
HORZ(TL): 0.068	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.878
Max BC CSI: 0.967
Max Web CSI: 0.833
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
K	1290 /-	/-	/-	/656	/-
M	1179 /-	/-	/-	/590	/-

Wind reactions based on MWFRS
K Brg Wid = 5.5 Min Req = 1.5 (Truss)
M Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings K & M are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	1992	-3789	C - D	1990	-3786
B - C	1990	-3786	D - E	1989	-3782

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
K - J	184	-100	I - H	3803	-1927
J - I	3803	-1927	H - G	176	-95

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
K - A	488	-950	D - H	76	-182
A - J	3683	-1858	H - E	3688	-1861
L - A	0	-3	E - G	495	-964
B - J	71	-178	F - E	0	-3
J - D	11	-29			

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #1; B2 2x6 SP #2;
Webs: 2x4 SP #3; W1 2x6 SP #2; W2 2x4 SP #2;

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

Special Loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 30 plf at 0.46 to 30 plf at 20.29
BC: From 10 plf at 0.00 to 10 plf at 20.75
BC: 167 lb Conc. Load at 0.68, 2.68, 4.68, 6.68 8.68,10.68,12.68,14.68,16.68,18.68

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	60	0.00	20.75

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Loading
Drifting snow load has been considered for only in plane loading as follows:

Location	Lu1	Lu2	Height	Pd	W
0.46	0.00	20.00	1.67	17.51	2.39
20.29	0.00	20.00	1.67	17.51	2.39

Where: Lu1 = leeward distance, Lu2 = windward distance
Pd = max applied load, W = length of applied load.

Wind
Wind loads and reactions based on MWFRS.

End verticals exposed to wind pressure. Deflection meets L/240.

Deflection
Max JT VERT DEFL: LL: 0.26" DL: 0.26". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes
Truss must be installed as shown with top chord up.

07/23/24
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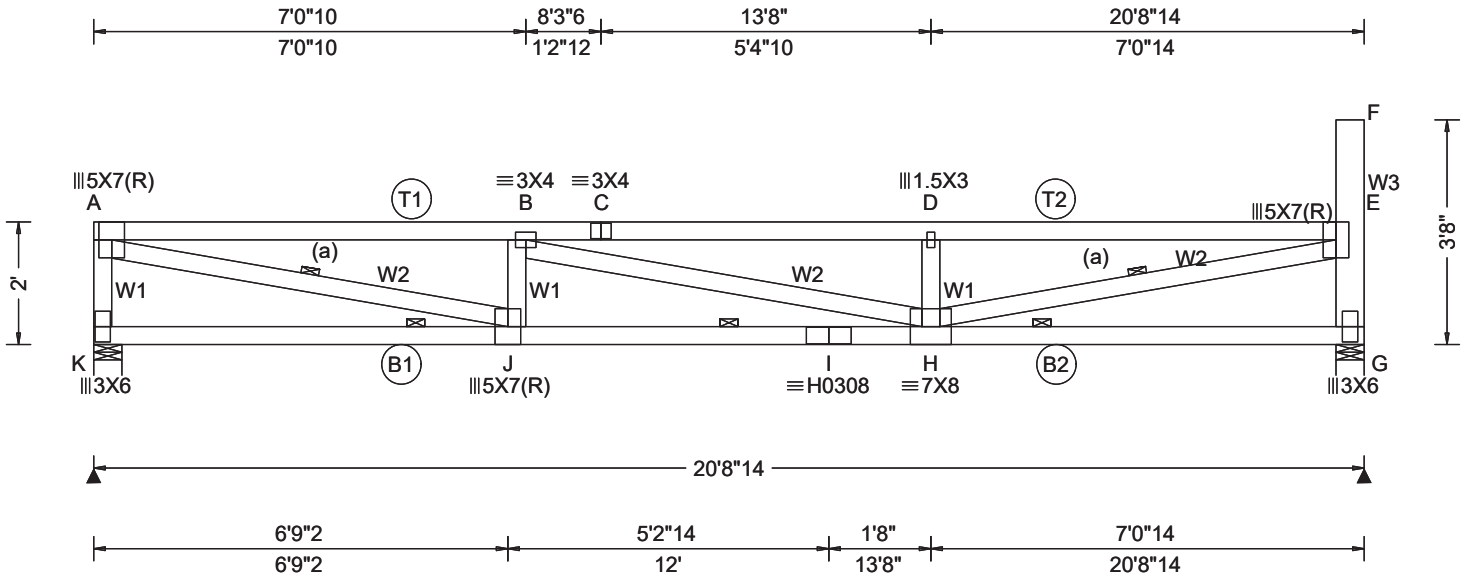
SEQN: 143984 / T54 / FLAT FROM:	Ply: 1 Qty: 7 Wgt: 112.0 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1L	DRW: ... / ... 07/23/2024



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Yes
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.172	D	999	360
VERT(CL): 0.347	D	717	240
HORZ(LL): 0.027	A	-	-
HORZ(TL): 0.055	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.949
Max BC CSI: 0.979
Max Web CSI: 0.901
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
K	829	/-	/-	/436	/291	/128
G	802	/-	/-	/421	/280	/-

Wind reactions based on MWFRS
K Brg Wid = 5.5 Min Req = 1.5 (Truss)
G Brg Wid = 5.5 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	1670	- 2340	C - D	1798	- 2419
B - C	1798	- 2419	D - E	1801	- 2423

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
K - J	181	- 309	I - H	2415	- 1791
J - I	2415	- 1791	H - G	130	- 123

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - K	593	- 766	H - E	2346	- 1776
A - J	2365	- 1687	D - H	393	- 378
J - B	451	- 444	E - G	572	- 735
B - H	117	- 54	F - E	15	- 9

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W3 2x6 SP #2;

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

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	76	0.00	20.74

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

Loading
Drifting snow load has been considered for only in plane loading as follows:

Location	Lu1	Lu2	Height	Pd	W
20.28	0.00	20.28	1.67	17.75	2.42

Where: Lu1 = leeward distance, Lu2 = windward distance
Pd = max applied load, W = length of applied load.

Wind
Wind loads based on MWFRS with additional C&C member design.
Left end vertical not exposed to wind pressure.
Right end vertical exposed to wind pressure.
Deflection meets L/240.

Deflection
Max JT VERT DEFL: LL: 0.17" DL: 0.17". See detail DEFLCAMB1014 for camber recommendations.
Provide for adequate drainage of roof.

Additional Notes
Provide for complete drainage of roof.
Truss must be installed as shown with top chord up.

07/23/24
This drawing was electronically sealed by Robert A Davis PE, Firm #5552

[redacted]

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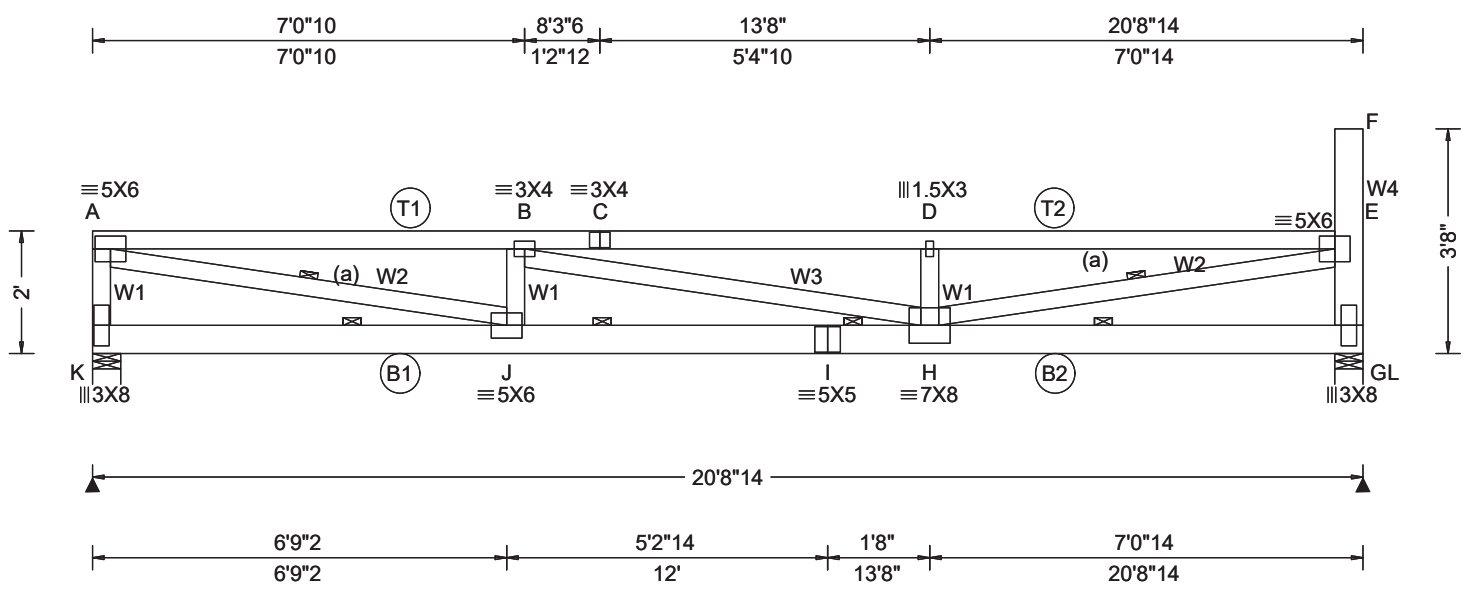
SEQN: 143990 / T66 / FLAT FROM:	Ply: 1 Qty: 1 Wgt: 124.6 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1LG	DRW: ... / ... 07/23/2024



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): -0.255	D	977	360
VERT(CL): 0.423	D	588	240
HORZ(LL): -0.036	A	-	-
HORZ(TL): 0.061	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.864
Max BC CSI: 0.969
Max Web CSI: 0.679
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
K	1027 /-	/-	/-	/669	/31
L	937 /-	/-	/-	/588	/-

Wind reactions based on MWFRS
K Brg Wid = 5.5 Min Req = 1.5 (Truss)
L Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings K & L are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	1945	-2963	C - D	1985	-3008
B - C	1985	-3008	D - E	1987	-3010

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
K - J	39	0	I - H	3002	-1897
J - I	3002	-1897	H - G	147	-99

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - K	512	-800	H - E	2924	-1857
A - J	3007	-1955	D - H	72	-180
J - B	126	-221	E - G	485	-766
B - H	7	-19	F - E	0	-2

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #3; W2 2x4 SP #2; W4 2x6 SP #2;

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

Special Loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 30 plf at 0.00 to 30 plf at 20.28
BC: From 10 plf at 0.00 to 10 plf at 20.74
BC: 115 lb Conc. Load at 0.67, 2.67, 4.67, 6.67 8.67,10.67,12.67,14.67,16.67,18.67

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	59	0.00	20.74

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Loading
Drifting snow load has been considered for only in plane loading as follows:

Location	Lu1	Lu2	Height	Pd	W
20.28	0.00	20.28	1.67	17.75	2.42

Where: Lu1 = leeward distance, Lu2 = windward distance
Pd = max applied load, W = length of applied load.

Wind
Wind loads and reactions based on MWFRS.

End verticals exposed to wind pressure. Deflection meets L/240.

Deflection
Max JT VERT DEFL: LL: -0.25" DL: 0.21". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes
Truss must be installed as shown with top chord up.

07/23/24
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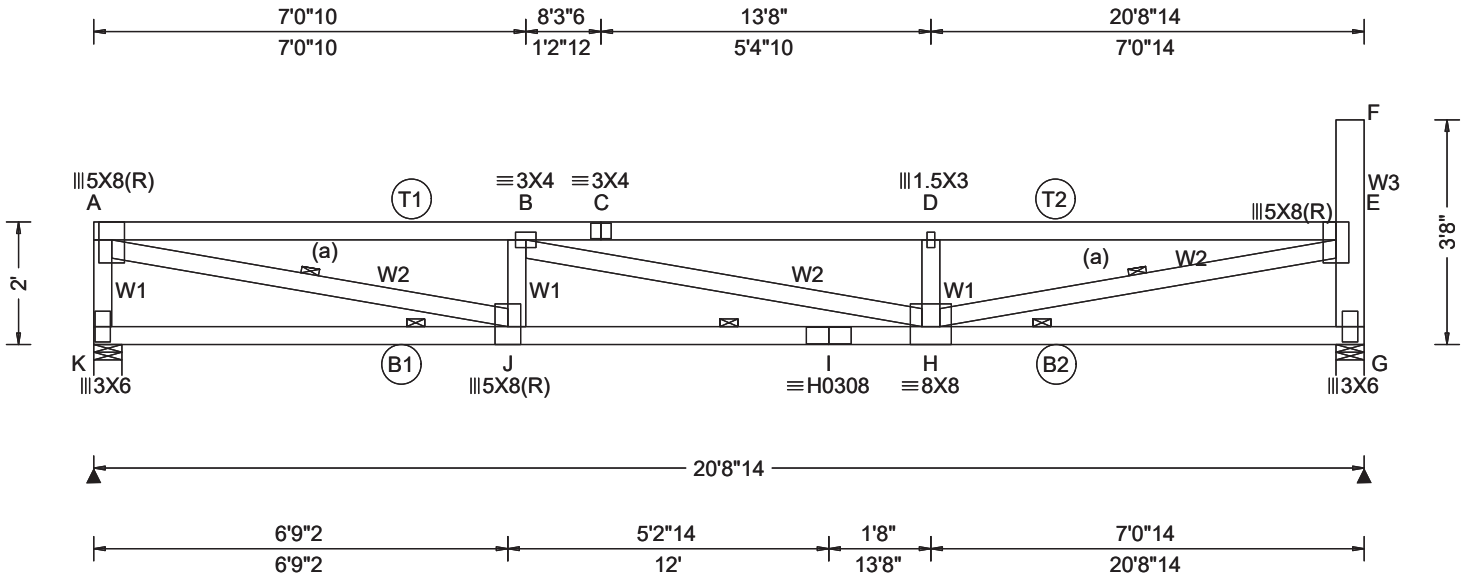
SEQN: 143997 / T61 / FLAT FROM:	Ply: 1 Qty: 3 Wgt: 112.0 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1M	DRW: ... / ... 07/23/2024



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 18.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.178	D	999	360
VERT(CL): 0.381	D	652	240
HORZ(LL): 0.028	A	-	-
HORZ(TL): 0.061	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.997
Max BC CSI: 0.979
Max Web CSI: 0.998
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
K	886	/-	/-	/436	/291	/128
G	854	/-	/-	/421	/280	/-

Wind reactions based on MWFRS
K Brg Wid = 5.5 Min Req = 1.5 (Truss)
G Brg Wid = 5.5 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	1394	-2586	C - D	1491	-2653
B - C	1491	-2653	D - E	1493	-2657

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
K - J	154	-256	I - H	2671	-1487
J - I	2671	-1487	H - G	133	-103

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - K	497	-821	H - E	2582	-1477
A - J	2620	-1408	D - H	335	-425
J - B	381	-508	E - G	479	-786
B - H	84	-34	F - E	12	-8

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W3 2x6 SP #2;

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

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	76	0.00	20.74

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Loading
Drifting snow load has been considered for only in plane loading as follows:

Location	Lu1	Lu2	Height	Pd	W
20.28	0.00	20.28	1.67	17.75	2.42

Where: Lu1 = leeward distance, Lu2 = windward distance
Pd = max applied load, W = length of applied load.

Truss supports 162# mech unit; unit centered at 9-10-12; supported by TC; unit width 2-5-12; supported by 3 trusses.

Deflection
Max JT VERT DEFL: LL: 0.18" DL: 0.20". See detail DEFLCAMB1014 for camber recommendations.
Provide for adequate drainage of roof.

Wind
Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Right end vertical exposed to wind pressure. Deflection meets L/240.

Additional Notes
Truss must be installed as shown with top chord up.

07/23/24
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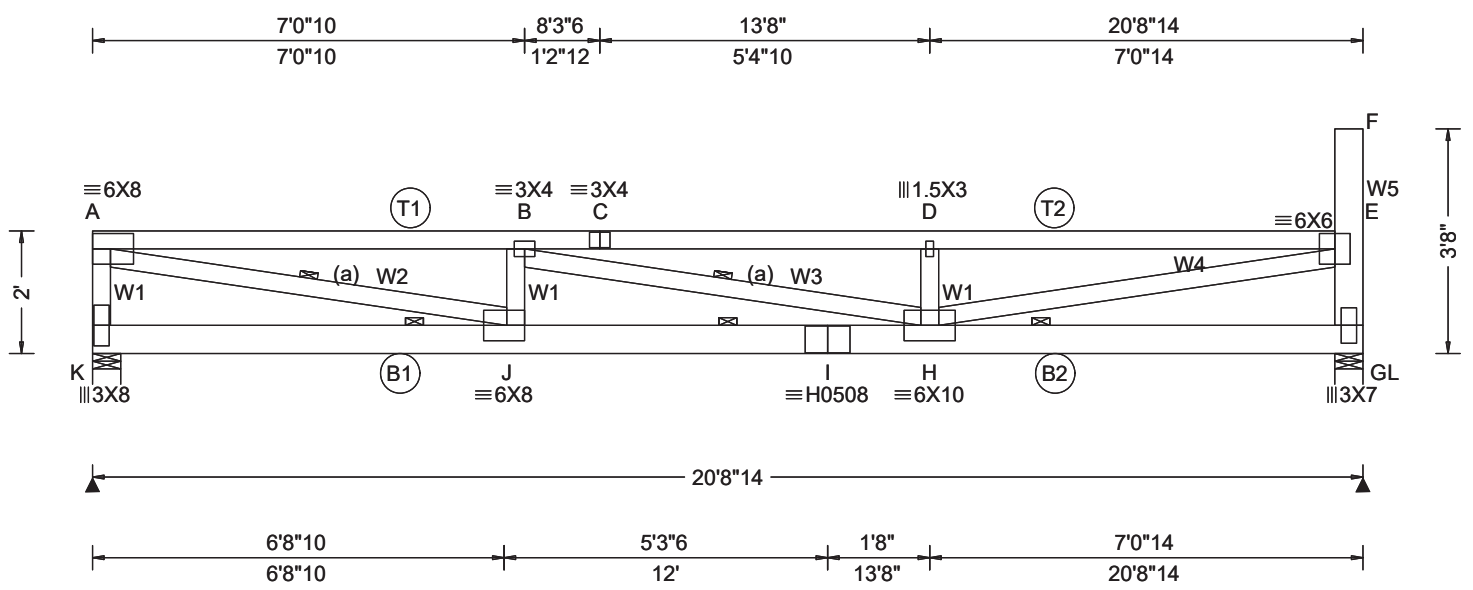
SEQN: 144198 / T5 / FLAT FROM:	Ply: 1 Qty: 1 Wgt: 124.6 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1MG	DRW: ... / ... 07/23/2024



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.240	B	999	360
VERT(CL): 0.482	B	516	240
HORZ(LL): 0.033	A	-	-
HORZ(TL): 0.067	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.780
Max BC CSI: 0.969
Max Web CSI: 0.898
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
K	1630 / -	-	-	/598	/31
L	1022 / -	-	-	/343	/-

Wind reactions based on MWFRS
K Brg Wid = 5.5 Min Req = 1.5 (Truss)
L Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings K & L are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	1612	- 4513	C - D	1212	- 3361
B - C	1212	- 3361	D - E	1214	- 3365

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
K - J	56	0	I - H	4527	- 1560
J - I	4527	- 1560	H - G	159	- 62

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - K	433	- 1176	H - E	3273	- 1104
A - J	4584	- 1615	D - H	223	- 377
J - B	104	- 224	E - G	349	- 921
B - H	431	- 1200	F - E	0	- 2

Lumber
Top chord: 2x4 :SP 2400f-2.0E + SP SS Dense:;
T2 2x4 SP #1;
Bot chord: 2x6 SP 2400f-2.0E; B2 2x6 SP #2;
Webs: 2x4 SP #3; W2 2x4 SP #1; W4 2x4 SP #2;
W5 2x6 SP #2;

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

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

TC: From	30 plf at	0.00 to	30 plf at	4.59
TC: From	60 plf at	4.59 to	60 plf at	20.28
BC: From	10 plf at	0.00 to	10 plf at	4.59
BC: From	20 plf at	4.59 to	20 plf at	20.74

BC: 160 lb Conc. Load at 1.14
BC: 1044 lb Conc. Load at 4.59

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	67	0.00	20.74

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Wind
Wind loads and reactions based on MWFRS.

End verticals exposed to wind pressure. Deflection meets L/240.

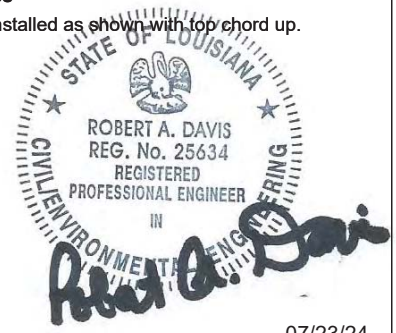
Loading
Drifting snow load has been considered for only in plane loading as follows:

Location	Lu1	Lu2	Height	Pd	W
20.28	0.00	20.28	1.67	17.75	2.42

Where: Lu1 = leeward distance, Lu2 = windward distance
Pd = max applied load, W = length of applied load.

Deflection
Max JT VERT DEFL: LL: 0.24" DL: 0.24". See detail DEFLCAMB1014 for camber recommendations.
Provide for adequate drainage of roof.

Additional Notes
Truss must be installed as shown with top chord up.



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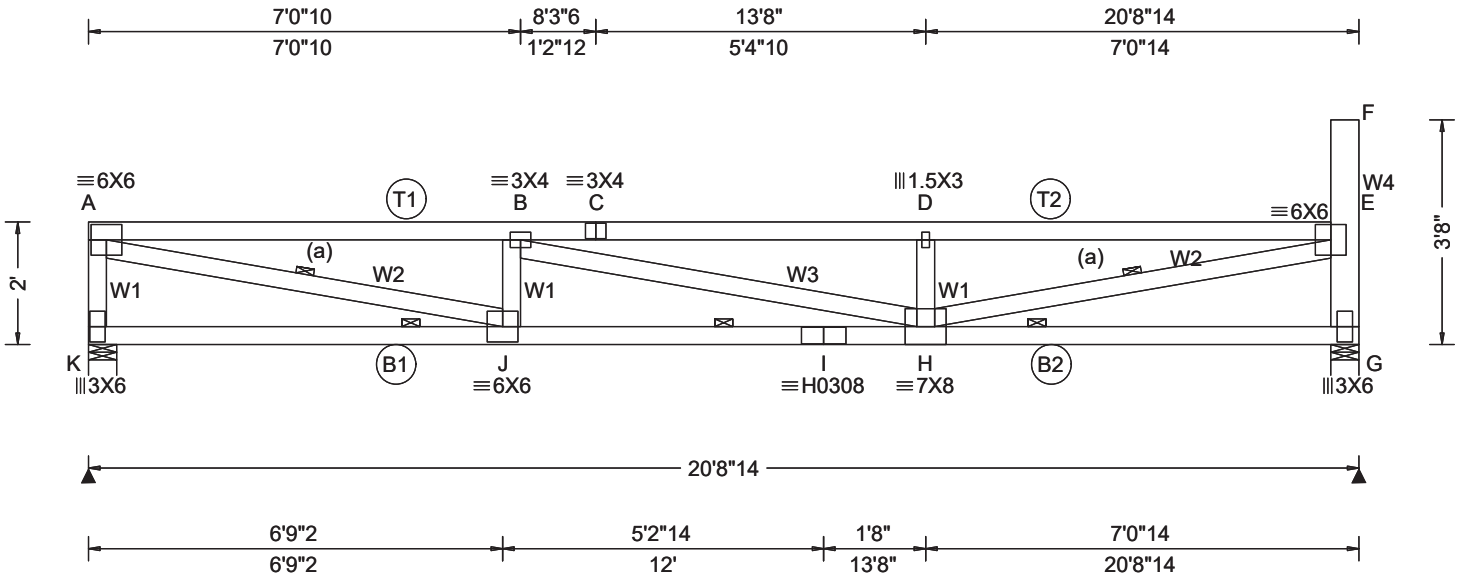
SEQN: 144000 / T58 / FLAT FROM:	Ply: 1 Qty: 2 Wgt: 109.2 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1N	DRW: ... / ... 07/23/2024



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 psf
MWFRS Parallel Dist: h/2 to h
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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.173	B	999	360
VERT(CL): 0.422	B	590	240
HORZ(LL): 0.027	A	-	-
HORZ(TL): 0.067	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.893
Max BC CSI: 0.954
Max Web CSI: 0.718
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
K	1018	/-	/-	/436	/292	/143
G	958	/-	/-	/424	/282	/-

Wind reactions based on MWFRS
K Brg Wid = 5.5 Min Req = 1.5 (Truss)
G Brg Wid = 5.5 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	1657	- 3127	C - D	1795	- 3114
B - C	1795	- 3114	D - E	1798	- 3118

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
K - J	210	- 344	I - H	3237	- 1823
J - I	3237	- 1823	H - G	139	- 123

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - K	595	- 953	H - E	3049	- 1795
A - J	3182	- 1699	D - H	393	- 500
J - B	454	- 650	E - G	577	- 890
B - H	129	- 127	F - E	15	- 9

Lumber
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W2 2x4 SP #2; W4 2x6 SP #2;

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

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	75	0.00	20.74

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Loading
Drifting snow load has been considered for only in plane loading as follows:

Location	Lu1	Lu2	Height	Pd	W
20.28	0.00	20.28	1.67	17.75	2.42

Where: Lu1 = leeward distance, Lu2 = windward distance
Pd = max applied load, W = length of applied load.

Truss supports 862# mech unit; unit centered at 9-4-5; supported by TC; unit width 3-9-0; supported by 5 trusses.

Deflection
Max JT VERT DEFL: LL: 0.17" DL: 0.24". See detail DEFLCAMB1014 for camber recommendations.
Provide for adequate drainage of roof.

Wind
Wind loads based on MWFRS with additional C&C member design.

End verticals exposed to wind pressure. Deflection meets L/240.

Additional Notes
Truss must be installed as shown with top chord up.

07/23/24
This drawing was electronically sealed by Robert A Davis PE, Firm #5552

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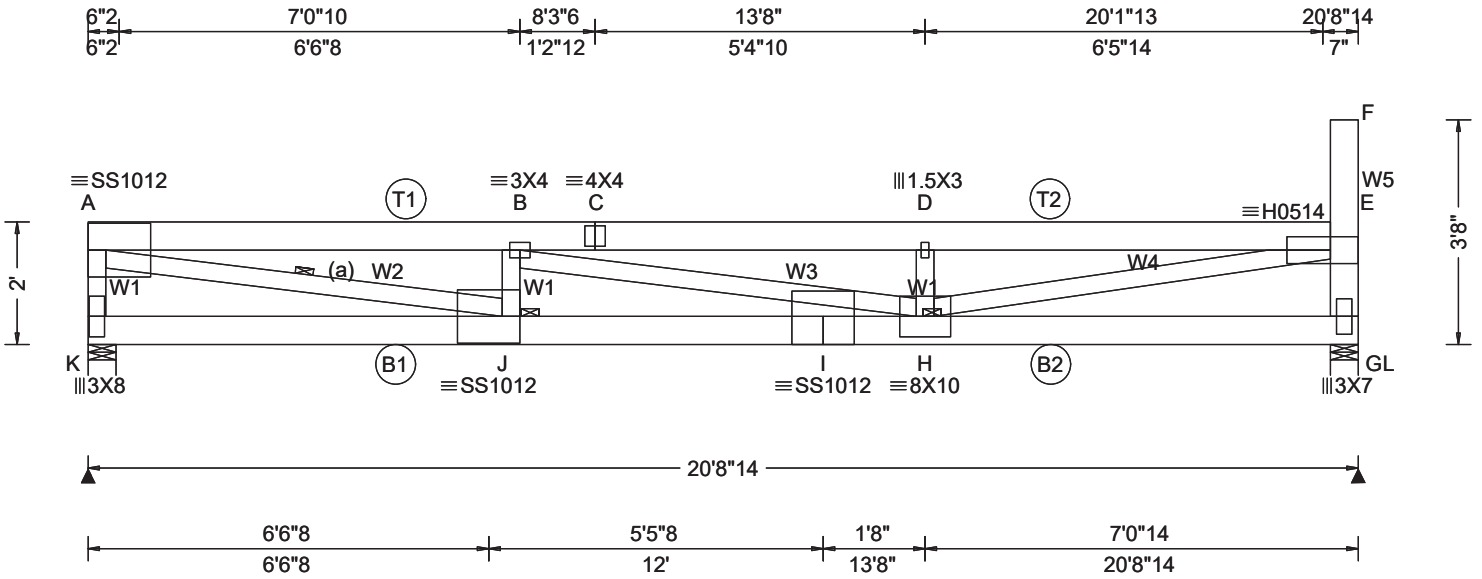
SEQN: 144189 / T2 / FLAT FROM:	Ply: 1 Qty: 1 Wgt: 140.0 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1NG	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
18SS, WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.275 B	905	360
VERT(CL):	0.620 B	401	240
HORZ(LL):	0.034 A	-	-
HORZ(TL):	0.077 A	-	-

Creep Factor: 2.0
Max TC CSI: 0.802
Max BC CSI: 0.975
Max Web CSI: 0.988
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
K	1634 / -	/ -	/ -	/463	/31
L	1406 / -	/ -	/ -	/391	/ -

Wind reactions based on MWFRS
K Brg Wid = 5.5 Min Req = 1.5 (Truss)
L Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings K & L are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	1648	- 6014	C - D	1515	- 5387
B - C	1515	- 5387	D - E	1519	- 5396

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
K - J	38	0	I - H	6089	- 1609
J - I	6089	- 1609	H - G	241	- 88

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - K	480	- 1573	H - E	5236	- 1383
A - J	6130	- 1658	D - H	157	- 312
J - B	158	- 404	E - G	415	- 1351
B - H	166	- 721	F - E	0	- 2

Lumber

Top chord: 2x6 SP #2;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W2,W4 2x4 SP #1; W5 2x6 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

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

TC: From	60 plf at	0.00 to	60 plf at	7.55
TC: From	30 plf at	7.55 to	30 plf at	11.17
TC: From	60 plf at	11.17 to	60 plf at	20.28
BC: From	20 plf at	0.00 to	20 plf at	7.55
BC: From	10 plf at	7.55 to	10 plf at	12.00
BC: From	20 plf at	12.00 to	20 plf at	20.74

PLT: 172 lb Conc. Load at (7.48,28.93), (11.23,28.93)
BC: 785 lb Conc. Load at 7.55
BC: 431 lb Conc. Load at 11.17

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	92	0.00	20.74

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Additional Notes

Truss must be installed as shown with top chord up.

Loading

Drifting snow load has been considered for only in plane loading as follows:

Location	Lu1	Lu2	Height	Pd	W
20.28	0.00	20.28	1.67	17.75	2.42

Where: Lu1 = leeward distance, Lu2 = windward distance
Pd = max applied load, W = length of applied load.

Truss supports 862# mech unit; unit centered at 9-4-5; supported by TC; unit width 3-9-0; supported by 5 trusses.

Wind

Wind loads and reactions based on MWFRS.

End verticals exposed to wind pressure. Deflection meets L/240.

Deflection

Max JT VERT DEFL: LL: 0.27" DL: 0.34". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

07/23/24
This drawing was electronically sealed by Robert A Davis PE, Firm #5552

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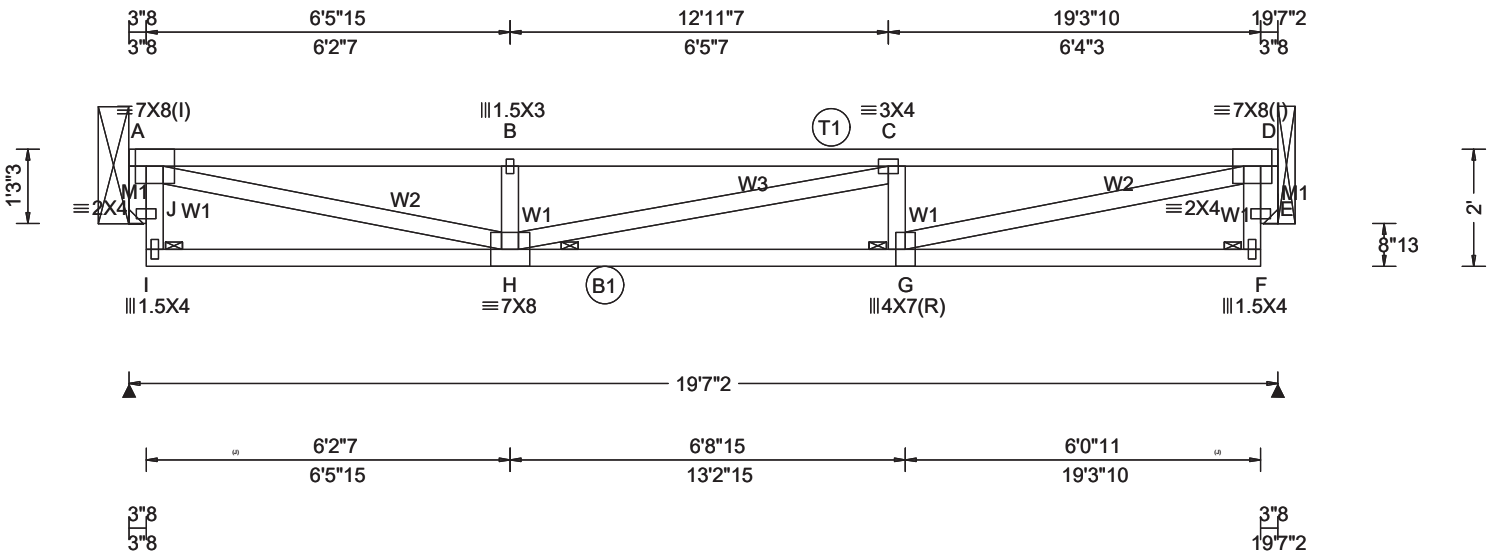
SEQN: 144009 / T42 / FLAT FROM:	Ply: 1 Qty: 4 Wgt: 98.0 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1P	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 psf
MWFRS Parallel Dist: h/2 to h
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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.114 C	999	360
VERT(CL):	0.251 C	921	240
HORZ(LL):	0.016 A	-	-
HORZ(TL):	0.034 A	-	-

Creep Factor: 2.0
Max TC CSI: 0.837
Max BC CSI: 0.965
Max Web CSI: 0.998
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
J	809	/-	/-	/395	/268	/30
E	913	/-	/-	/395	/268	/-

Wind reactions based on MWFRS
J Brg Wid = - Min Req = -
E Brg Wid = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	1450	- 2162	C - D	1408	- 2272
B - C	1450	- 2162			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
I - H	168	- 138	G - F	237	- 134
H - G	2348	- 1475			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - J	58	0	H - C	25	- 192
A - H	2068	- 1367	C - G	395	- 451
J - A	1031	- 1332	G - D	2114	- 1324
J - I	58	0	E - F	58	0
B - H	388	- 364	D - E	1105	- 1785

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Lt Bearing Leg: 2x4 SP #3;
Rt Bearing Leg: 2x4 SP #3;

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 60 plf at 0.00 to 60 plf at 19.59
BC: From 20 plf at 0.29 to 20 plf at 19.30
TC: 167 lb Conc. Load at 15.81

Plating Notes

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

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	91	0.00	19.01

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Hangers / Ties

(J) Hanger Support Required, by others

Additional Notes

Truss must be installed as shown with top chord up.

Wind

Wind loads based on MWFRS with additional C&C member design.

Left end vertical exposed to wind pressure. Deflection meets L/240.

Right end vertical not exposed to wind pressure.

07/23/24
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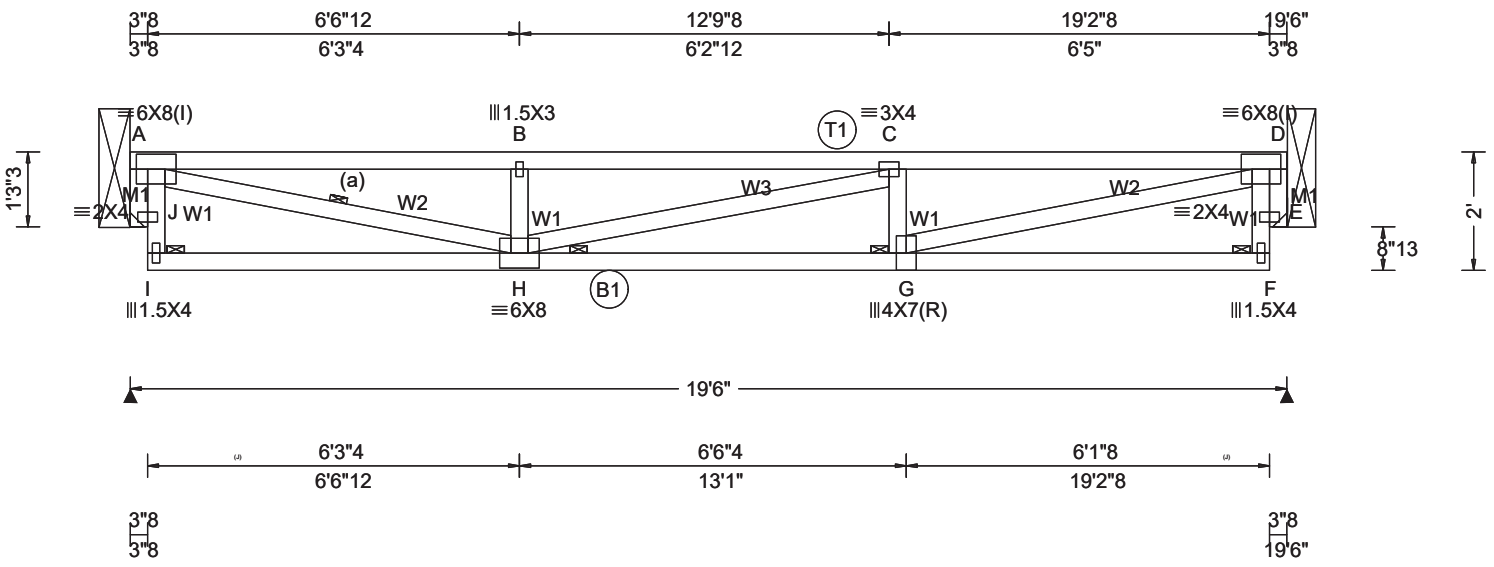
SEQN: 144015 / T39 / FLAT FROM:	Ply: 1 Qty: 10 Wgt: 98.0 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1Q	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 psf
MWFRS Parallel Dist: h/2 to h
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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Yes
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.114 B	999	360
VERT(CL):	0.227 B	999	240
HORZ(LL):	0.016 A	-	-
HORZ(TL):	0.032 A	-	-

Creep Factor: 2.0
Max TC CSI: 0.298
Max BC CSI: 0.996
Max Web CSI: 0.981
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
J	774	/-	/-	/393	/267	/30
E	774	/-	/-	/393	/267	/-

Wind reactions based on MWFRS
J Brg Wid = - Min Req = -
E Brg Wid = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	1447	- 2046	C - D	1405	- 1997
B - C	1447	- 2046			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
I - H	165	- 142	G - F	167	- 138
H - G	2062	- 1471			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - J	59	0	H - C	24	- 17
A - H	1949	- 1358	C - G	389	- 386
J - A	1055	- 1296	G - D	1900	- 1316
J - I	59	0	E - F	58	0
B - H	382	- 376	D - E	1129	- 1311

Lumber
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Lt Bearing Leg: 2x4 SP #3;
Rt Bearing Leg: 2x4 SP #3;

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

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

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	92	0.00	18.92

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

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

Wind
Wind loads based on MWFRS with additional C&C member design.
Left end vertical exposed to wind pressure. Deflection meets L/240.
Right end vertical not exposed to wind pressure.

Additional Notes
Provide for complete drainage of roof.
Truss must be installed as shown with top chord up.

07/23/24
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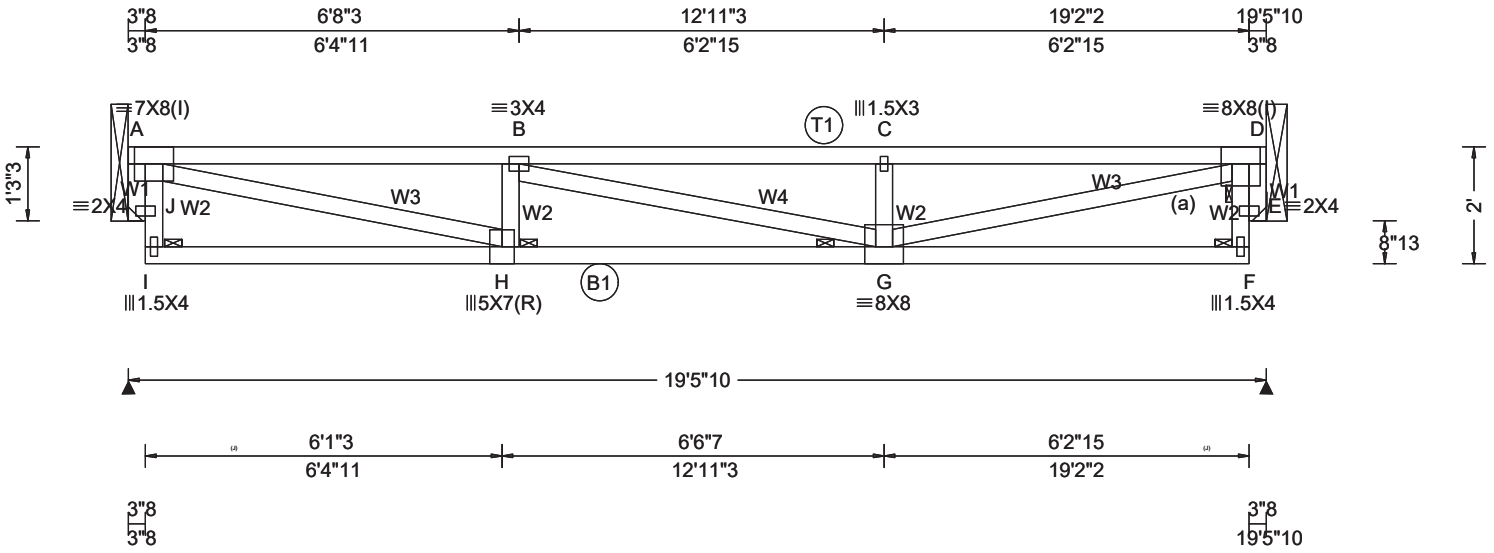
SEQN: 144021 / T43 / FLAT FROM:	Ply: 1 Qty: 4 Wgt: 98.0 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1R	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 psf
MWFRS Parallel Dist: h/2 to h
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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.121 C	999	360
VERT(CL):	0.291 C	790	240
HORZ(LL):	0.016 A	-	-
HORZ(TL):	0.038 A	-	-

Creep Factor: 2.0
Max TC CSI: 0.713
Max BC CSI: 0.989
Max Web CSI: 0.970
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
J	876	/-	/-	/392	/266	/45
E	1003	/-	/-	/392	/267	/-

Wind reactions based on MWFRS
J Brg Wid = - Min Req = -
E Brg Wid = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	1397	- 2382	C - D	1441	- 2690
B - C	1441	- 2690			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
I - H	170	- 137	G - F	234	- 134
H - G	2465	- 1462			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - J	58	0	B - G	233	- 5
A - H	2297	- 1309	C - G	382	- 606
J - A	1069	- 1375	G - D	2546	- 1355
J - I	58	0	E - F	62	0
H - B	388	- 495	D - E	1108	- 1803

Lumber
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Lt Bearing Leg: 2x4 SP #3;
Rt Bearing Leg: 2x4 SP #3;

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

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

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	92	0.00	18.89

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.
The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

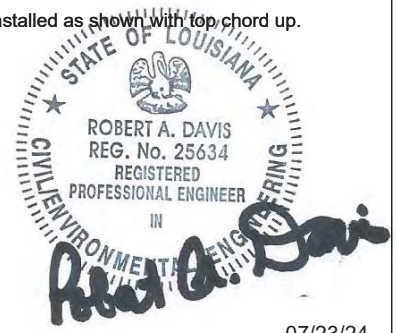
Hangers / Ties
(J) Hanger Support Required, by others

Loading
Truss supports 499# mech unit; unit centered at 13-4-13; supported by TC; unit width 4-11-7; supported by 3 trusses.

Wind
Wind loads based on MWFRS with additional C&C member design.
Left end vertical exposed to wind pressure. Deflection meets L/240.
Right end vertical not exposed to wind pressure.

Deflection
Max JT VERT DEFL: LL: 0.12" DL: 0.17". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes
Truss must be installed as shown with top chord up.



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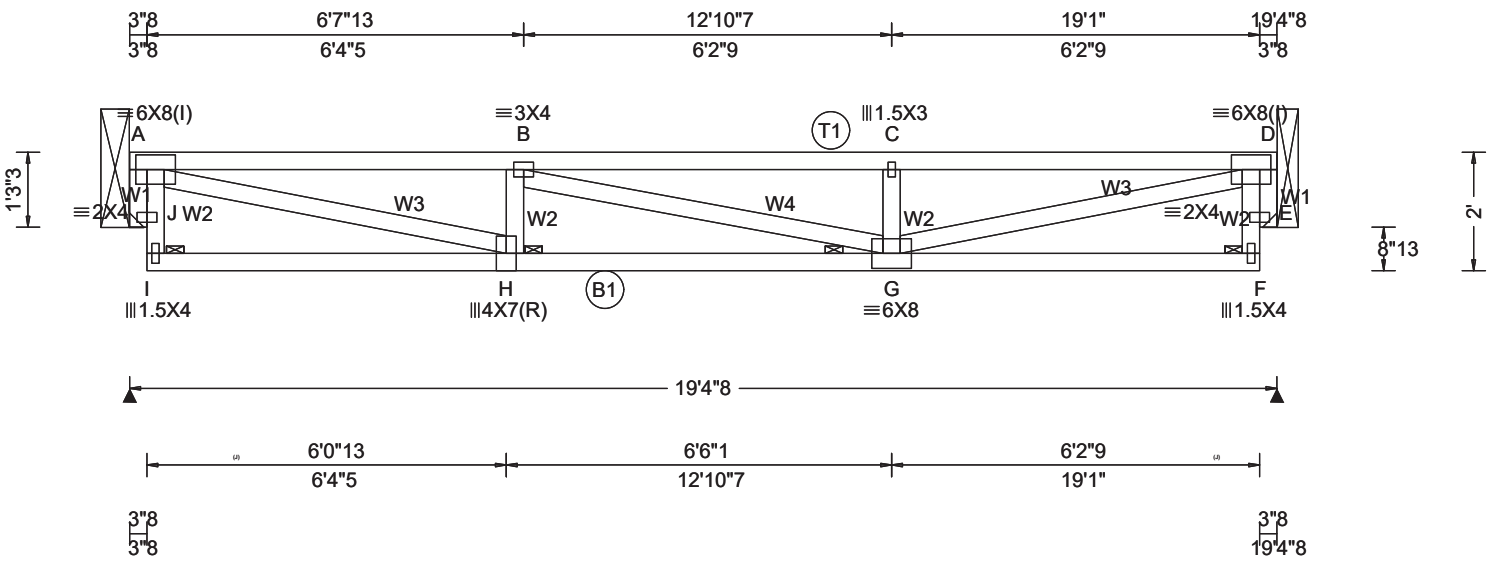
SEQN: 144024 / T41 / FLAT FROM:	Ply: 1 Qty: 9 Wgt: 98.0 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1S	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 psf
MWFRS Parallel Dist: h/2 to h
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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Yes
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.111 C	999	360
VERT(CL):	0.220 C	999	240
HORZ(LL):	0.016 A	-	-
HORZ(TL):	0.032 A	-	-

Creep Factor: 2.0
Max TC CSI: 0.294
Max BC CSI: 0.975
Max Web CSI: 0.987
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
J	769	/-	/-	/390	/265	/30
E	769	/-	/-	/390	/265	/-

Wind reactions based on MWFRS
J Brg Wid = - Min Req = -
E Brg Wid = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	1390	- 1970	C - D	1432	- 2018
B - C	1432	- 2018			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
I - H	164	- 141	G - F	163	- 133
H - G	2034	- 1455			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - J	57	0	B - G	26	- 16
A - H	1875	- 1301	C - G	381	- 375
J - A	1061	- 1292	G - D	1925	- 1347
J - I	57	0	E - F	58	0
H - B	388	- 384	D - E	1099	- 1278

Lumber
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Lt Bearing Leg: 2x4 SP #3;
Rt Bearing Leg: 2x4 SP #3;

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

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	92	0.00	18.79

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

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

Wind
Wind loads based on MWFRS with additional C&C member design.
Left end vertical exposed to wind pressure. Deflection meets L/240.
Right end vertical not exposed to wind pressure.

Additional Notes
Provide for complete drainage of roof.
Truss must be installed as shown with top chord up.

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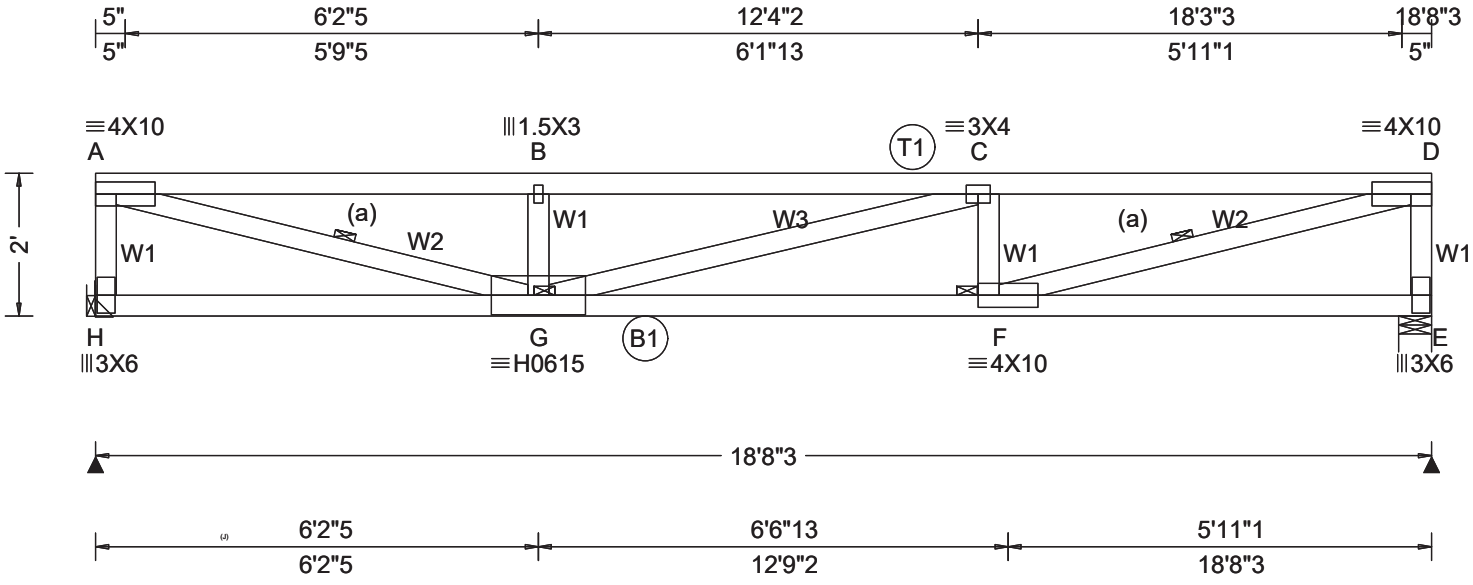
SEQN: 144027 / T76 / FLAT FROM:	Ply: 1 Qty: 2 Wgt: 95.2 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1T	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 psf
MWFRS Parallel Dist: h/2 to h
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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.100 C	999	360
VERT(CL):	0.263 C	853	240
HORZ(LL):	0.016 A	-	-
HORZ(TL):	0.042 A	-	-

Creep Factor: 2.0
Max TC CSI: 0.568
Max BC CSI: 0.980
Max Web CSI: 0.928
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
H	1071 /-	/-	/384	/257	/59
E	893 /-	/-	/384	/257	/-

Wind reactions based on MWFRS
H Brg Wid = - Min Req = -
E Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearing E is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	1424	-2343	C - D	1380	-2380
B - C	1424	-2343			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
H - G	82	-113	F - E	36	-51
G - F	2472	-1474			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - H	551	-1012	C - F	419	-544
A - G	2398	-1456	F - D	2436	-1411
B - G	406	-471	D - E	551	-835
G - C	45	-134			

Lumber
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

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

Special Loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 60 plf at 0.00 to 60 plf at 18.68
BC: From 20 plf at 0.00 to 20 plf at 18.68
TC: 220 lb Conc. Load at 0.00
PLT: 125 lb Conc. Load at (8.46,28.93), (13.41,28.93)

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	89	0.00	18.68

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

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

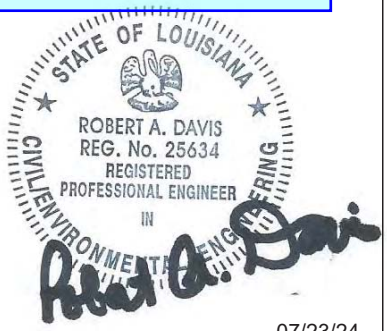
Deflection
Max JT VERT DEFL: LL: 0.10" DL: 0.16". See detail DEFLCAMB1014 for camber recommendations.
Provide for adequate drainage of roof.

Wind
Wind loads based on MWFRS with additional C&C member design.

End verticals exposed to wind pressure. Deflection meets L/240.

Additional Notes
Truss must be installed as shown with top chord up.

THIS TRUSS SUPPORTS MECH UNITS CU-1-3 AND RTU2. VERIFY THIS HAS BEEN ACCOUNTED FOR IN THE DESIGN



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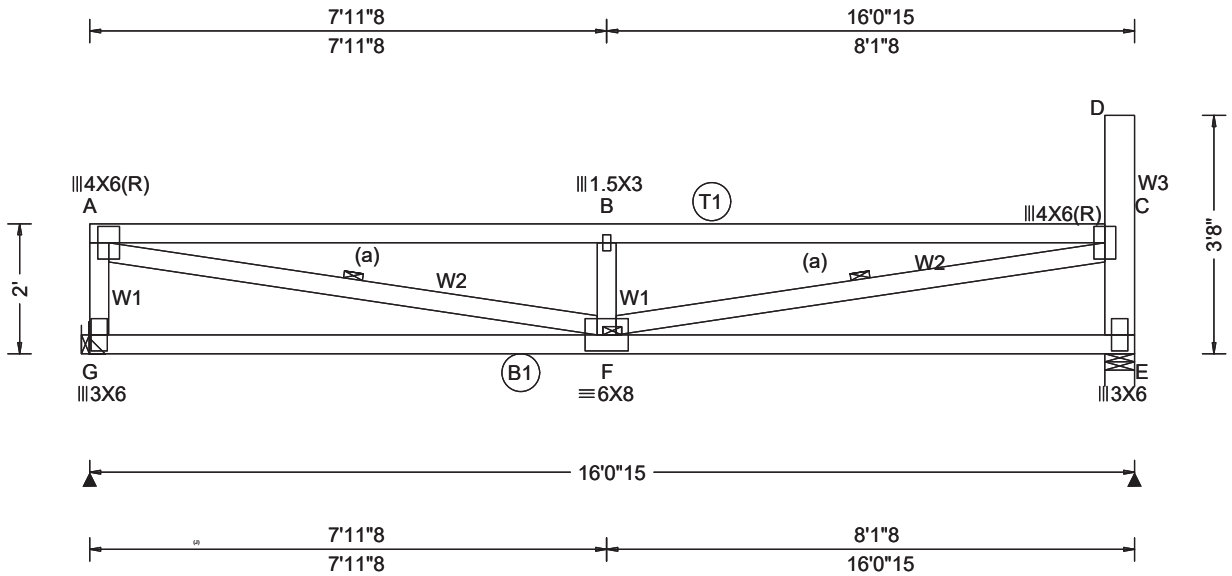
SEQN: 144030 / T67 / FLAT FROM:	Ply: 1 Qty: 1 Wgt: 84.0 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1U	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 psf
MWFRS Parallel Dist: h/2 to h
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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Yes
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.115 B	999	360
VERT(CL):	0.232 B	832	240
HORZ(LL):	0.012 A	-	-
HORZ(TL):	0.024 A	-	-

Creep Factor: 2.0
Max TC CSI: 0.824
Max BC CSI: 0.344
Max Web CSI: 0.813
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	643	/-	/-	/345	/231	/143
E	616	/-	/-	/331	/222	/-

Wind reactions based on MWFRS
G Brg Wid = - Min Req = -
E Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearing E is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	1509	- 1794	B - C	1513	- 1797

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
G - F	196	- 358	F - E	132	- 137

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - G	533	- 570	B - F	597	- 527
A - F	1776	- 1519	C - E	516	- 544
F - C	1693	- 1579	D - C	15	- 9

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W3 2x6 SP #2;

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

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	120	0.00	16.08

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

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

Loading
Drifting snow load has been considered for only in plane loading as follows:

Location	Lu1	Lu2	Height	Pd	W
15.62	0.00	20.00	1.67	17.51	2.39

Where: Lu1 = leeward distance, Lu2 = windward distance
Pd = max applied load, W = length of applied load.

Wind
Wind loads based on MWFRS with additional C&C member design.
End verticals exposed to wind pressure. Deflection meets L/240.

Additional Notes
Provide for complete drainage of roof.
Truss must be installed as shown with top chord up.

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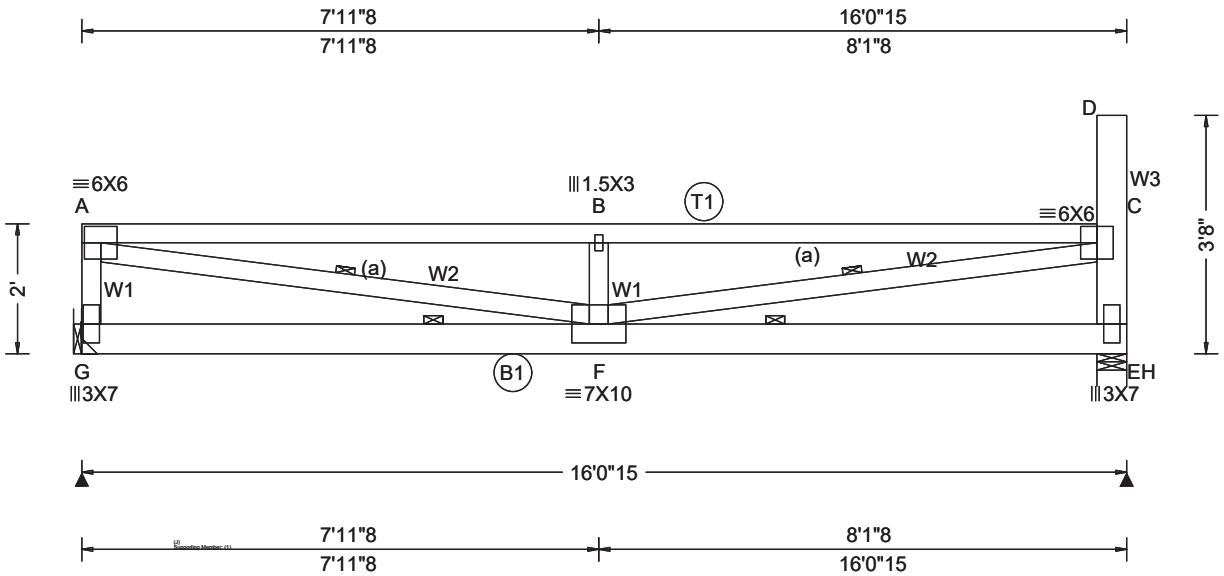
SEQN: 144192 / T1 / FLAT FROM:	Ply: 1 Qty: 1 Wgt: 96.6 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1UG	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.201 B	958	360
VERT(CL):	0.404 B	477	240
HORZ(LL):	0.017 A	-	-
HORZ(TL):	0.035 A	-	-

Creep Factor: 2.0
Max TC CSI: 0.983
Max BC CSI: 0.790
Max Web CSI: 0.988
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
G	1501 /-	/-	/-	/509	/31
H	923 /-	/-	/-	/299	/-

Wind reactions based on MWFRS
G Brg Wid = - Min Req = -
H Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearing H is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	1222	-3544	B - C	1224	-3548

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
G - F	89	0	F - E	152	-60

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - G	349	-912	B - F	294	-477
A - F	3526	-1192	C - E	330	-888
F - C	3450	-1111	D - C	0	-2

Lumber

Top chord: 2x4 :SP 2400f-2.0E + SP SS Dense:;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W2 2x4 SP #2; W3 2x6 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 60 plf at 0.00 to 60 plf at 15.62
BC: From 20 plf at 0.00 to 20 plf at 16.08
BC: 734 lb Conc. Load at 2.89
BC: 431 lb Conc. Load at 6.51

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	92	0.00	16.08

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Hangers / Ties

(J) Hanger Support Required, by others

Wind

Wind loads and reactions based on MWFRS.

End verticals exposed to wind pressure. Deflection meets L/240.

Loading

Drifting snow load has been considered for only in plane loading as follows:

Location	Lu1	Lu2	Height	Pd	W
15.62	0.00	20.00	1.67	17.51	2.39

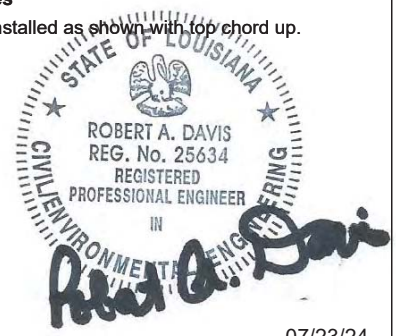
Where: Lu1 = leeward distance, Lu2 = windward distance
Pd = max applied load, W = length of applied load.

Deflection

Max JT VERT DEFL: LL: 0.20" DL: 0.20". See detail DEFLCAMB1014 for camber recommendations.
Provide for adequate drainage of roof.

Additional Notes

Truss must be installed as shown with top chord up.



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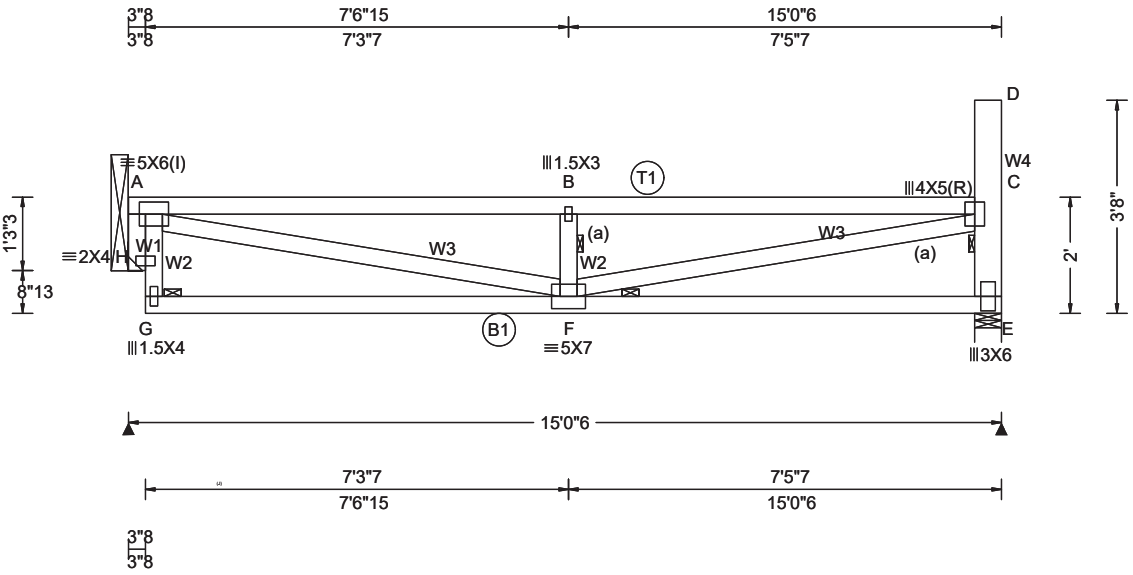
SEQN: 144048 / T52 / FLAT FROM:	Ply: 1 Qty: 2 Wgt: 82.6 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1V	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 psf
MWFRS Parallel Dist: h/2 to h
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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Yes
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.082	B	999	360
VERT(CL): 0.164	B	999	240
HORZ(LL): -0.011	A	-	-
HORZ(TL): 0.022	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.644
Max BC CSI: 0.244
Max Web CSI: 0.644
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
H	601	/-	/-	/315	/216	/138
E	568	/-	/-	/303	/201	/-

Wind reactions based on MWFRS
H Brg Wid = - Min Req = -
E Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearing E is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	1374	- 1514	B - C	1378	- 1517

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
G - F	174	- 323	F - E	112	- 128

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - H	66	0	B - F	540	- 456
A - F	1376	- 1148	F - C	1433	- 1333
H - A	1254	- 1242	C - E	478	- 502
H - G	66	0	D - C	15	- 9

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W4 2x6 SP #2;
Lt Bearing Leg: 2x6 SP #3;

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

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

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	120	0.00	14.74

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

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

Loading
Drifting snow load has been considered for only in plane loading as follows:

Location	Lu1	Lu2	Height	Pd	W
14.57	0.00	20.00	1.67	17.51	2.39

Where: Lu1 = leeward distance, Lu2 = windward distance
Pd = max applied load, W = length of applied load.

Wind
Wind loads based on MWFRS with additional C&C member design.

End verticals exposed to wind pressure. Deflection meets L/240.

Additional Notes
Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

07/23/24
This drawing was electronically sealed by Robert A Davis PE, Firm #5552

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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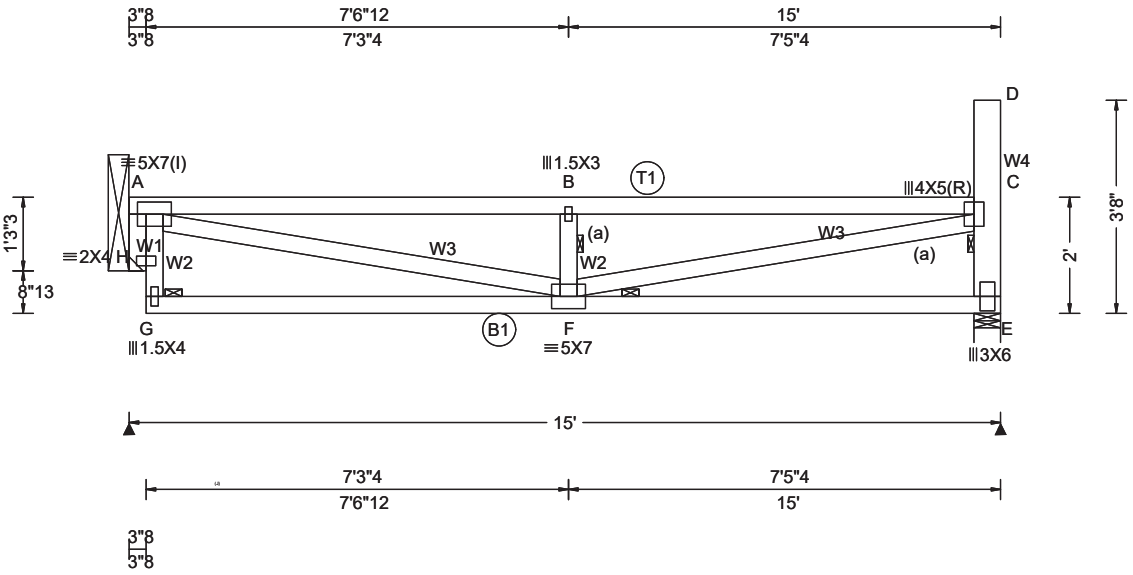
SEQN: 144051 / T35 / FLAT FROM:	Ply: 1 Qty: 8 Wgt: 82.6 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1W	DRW: ... / ... 07/22/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.084 B	999	360
VERT(CL):	0.180 B	989	240
HORZ(LL):	0.011 A	-	-
HORZ(TL):	0.023 A	-	-

Creep Factor: 2.0
Max TC CSI: 0.825
Max BC CSI: 0.279
Max Web CSI: 0.607
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
H	634	/-	/-	/315	/215	/128
E	614	/-	/-	/301	/199	/-

Wind reactions based on MWFRS
H Brg Wid = - Min Req = -
E Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearing E is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	1371	- 1665	B - C	1375	- 1669

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
G - F	174	- 305	F - E	120	- 128

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - H	67	0	B - F	539	- 526
A - F	1533	- 1141	F - C	1580	- 1319
H - A	1246	- 1251	C - E	476	- 547
H - G	67	0	D - C	15	- 9

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W4 2x6 SP #2;
Lt Bearing Leg: 2x6 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

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

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	120	0.00	14.71

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Wind

Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Right end vertical exposed to wind pressure.
Deflection meets L/240.

Loading

Drifting snow load has been considered for only in plane loading as follows:

Location	Lu1	Lu2	Height	Pd	W
14.54	0.00	20.00	1.67	17.51	2.39

Where: Lu1 = leeward distance, Lu2 = windward distance
Pd = max applied load, W = length of applied load.

Truss supports 162# mech unit; unit centered at 8-8-9; supported by TC; unit width 2-5-12; supported by 4 trusses.

Additional Notes

Truss must be installed as shown with top chord up.

07/23/24
This drawing was electronically sealed by Robert A Davis PE, Firm #5552

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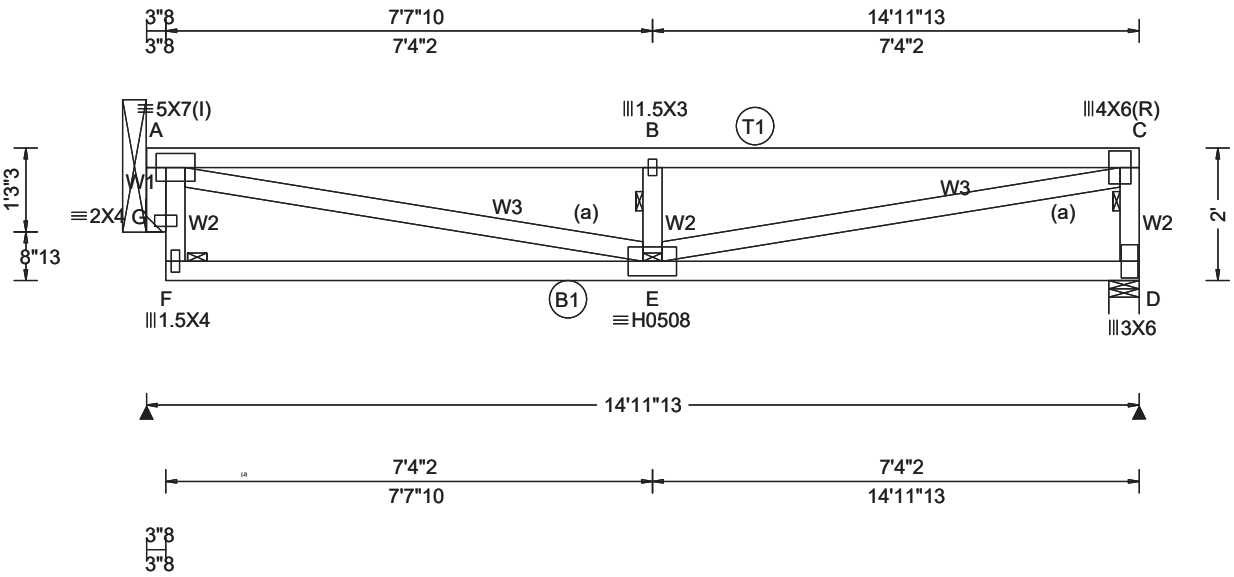
SEQN: 144054 / T53 / FLAT FROM:	Ply: 1 Qty: 2 Wgt: 77.0 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1Y	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 psf
MWFRS Parallel Dist: h/2 to h
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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.087 B	999	360
VERT(CL):	0.185 B	960	240
HORZ(LL):	0.011 A	-	-
HORZ(TL):	0.023 A	-	-

Creep Factor: 2.0
Max TC CSI: 0.934
Max BC CSI: 0.277
Max Web CSI: 0.634
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	634	/-	/-	/304	/208	/59
D	640	/-	/-	/304	/203	/-

Wind reactions based on MWFRS
G Brg Wid = - Min Req = -
D Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearing D is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	1246	- 1672	B - C	1246	- 1672

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
F - E	177	- 195	E - D	52	- 63

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - G	67	0	B - E	561	- 564
A - E	1535	- 1074	E - C	1664	- 1210
G - A	1221	- 1270	C - D	483	- 574
G - F	67	0			

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Bearing Leg: 2x4 SP #3;

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

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

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	120	0.00	14.69

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.
The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

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

Loading
Truss supports 162# mech unit; unit centered at 8-8-9; supported by TC; unit width 2-5-12; supported by 4 trusses.

Wind
Wind loads based on MWFRS with additional C&C member design.
End verticals exposed to wind pressure. Deflection meets L/240.

Additional Notes
Truss must be installed as shown with top chord up.

07/23/24
This drawing was electronically sealed by Robert A Davis PE, Firm #5552

[redacted]

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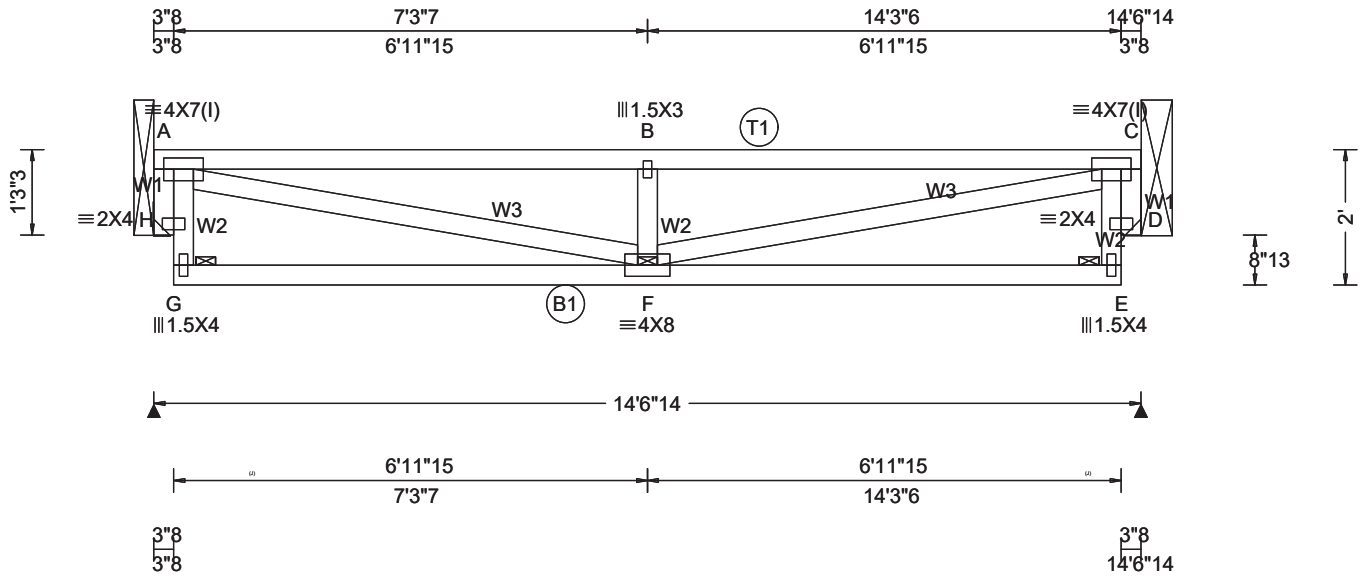
SEQN: 144057 / T46 / FLAT FROM:	Ply: 1 Qty: 2 Wgt: 75.6 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1Z	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 psf
MWFRS Parallel Dist: h/2 to h
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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Yes
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.069	B	999	360
VERT(CL): 0.137	B	999	240
HORZ(LL): 0.010	A	-	-
HORZ(TL): 0.020	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.487
Max BC CSI: 0.226
Max Web CSI: 0.910
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
H	577	/-	/-	/292	/200	/45
D	577	/-	/-	/292	/200	/-

Wind reactions based on MWFRS
H Brg Wid = - Min Req = -
D Brg Wid = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	1115	- 1378	B - C	1115	- 1378

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
G - F	167	- 165	F - E	167	- 159

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - H	63	0	B - F	508	- 437
A - F	1247	- 980	F - C	1247	- 983
H - A	1163	- 1199	D - E	63	0
H - G	63	0	C - D	1221	- 1199

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Bearing Leg: 2x4 SP #3;
Rt Bearing Leg: 2x4 SP #3;

Plating Notes

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

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	120	0.00	13.99

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

Hangers / Ties

(J) Hanger Support Required, by others

Wind

Wind loads based on MWFRS with additional C&C member design.

Left end vertical exposed to wind pressure. Deflection meets L/240.

Right end vertical not exposed to wind pressure.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

07/23/24
This drawing was electronically sealed by Robert A Davis PE, Firm #5552

[redacted]

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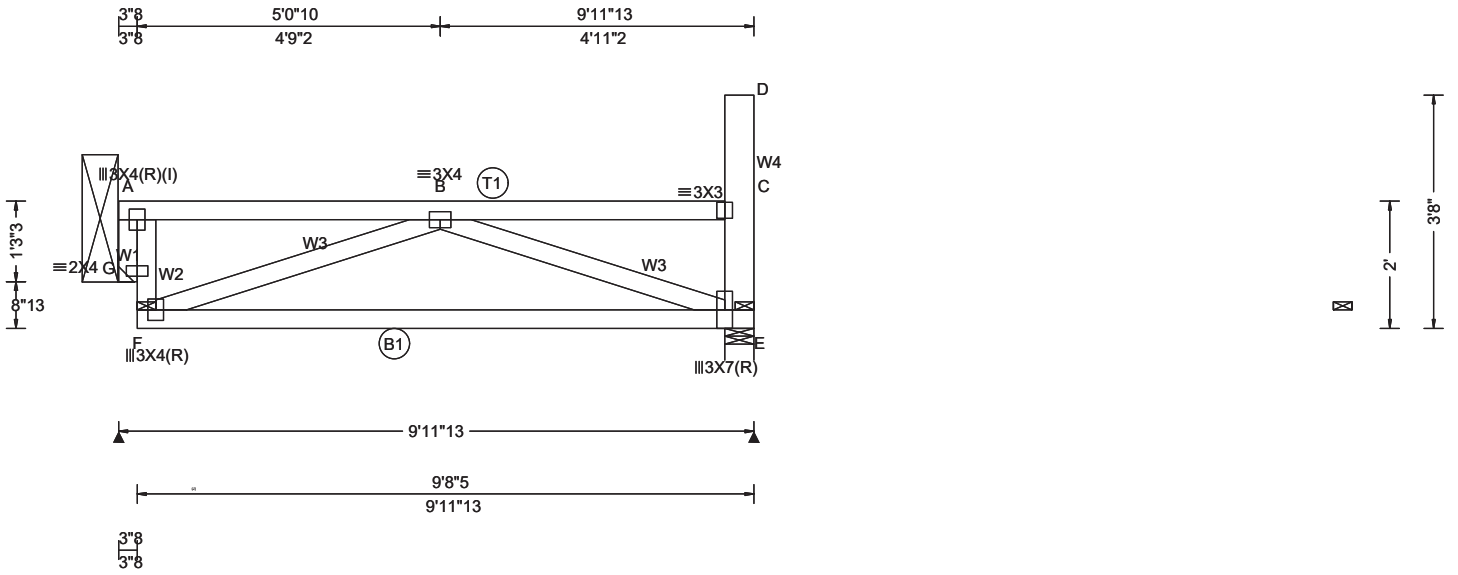
SEQN: 144063 / T51 / FLAT FROM:	Ply: 1 Qty: 18 Wgt: 54.6 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1AA	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Yes
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.013	B	999	360
VERT(CL): 0.027	B	999	240
HORZ(LL): -0.008	E	-	-
HORZ(TL): 0.010	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.271
Max BC CSI: 0.516
Max Web CSI: 0.468
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	399	/-	/-	/218	/150	/128
E	367	/-	/-	/202	/137	/-

Wind reactions based on MWFRS
G Brg Wid = - Min Req = -
E Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearing E is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	175	- 116	B - C	252	- 371

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
F - E	554	- 684

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - G	253	- 216	B - E	822	- 493
G - A	748	- 621	C - E	140	- 106
G - F	253	- 216	D - C	14	- 9
F - B	686	- 485			

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W4 2x6 SP #2;
Lt Bearing Leg: 2x6 SP #3;

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

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	116	0.00	9.69

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

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

Loading
Drifting snow load has been considered for only in plane loading as follows:

Location	Lu1	Lu2	Height	Pd	W
9.53	0.00	20.00	1.67	17.51	2.39

Where: Lu1 = leeward distance, Lu2 = windward distance
Pd = max applied load, W = length of applied load.

Additional Notes
Provide for complete drainage of roof.
Truss must be installed as shown with top chord up.

Wind
Wind loads based on MWFRS with additional C&C member design.
Left end vertical not exposed to wind pressure.
Right end vertical exposed to wind pressure. Deflection meets L/240.

07/23/24
This drawing was electronically sealed by Robert A Davis PE, Firm #5552

[redacted]

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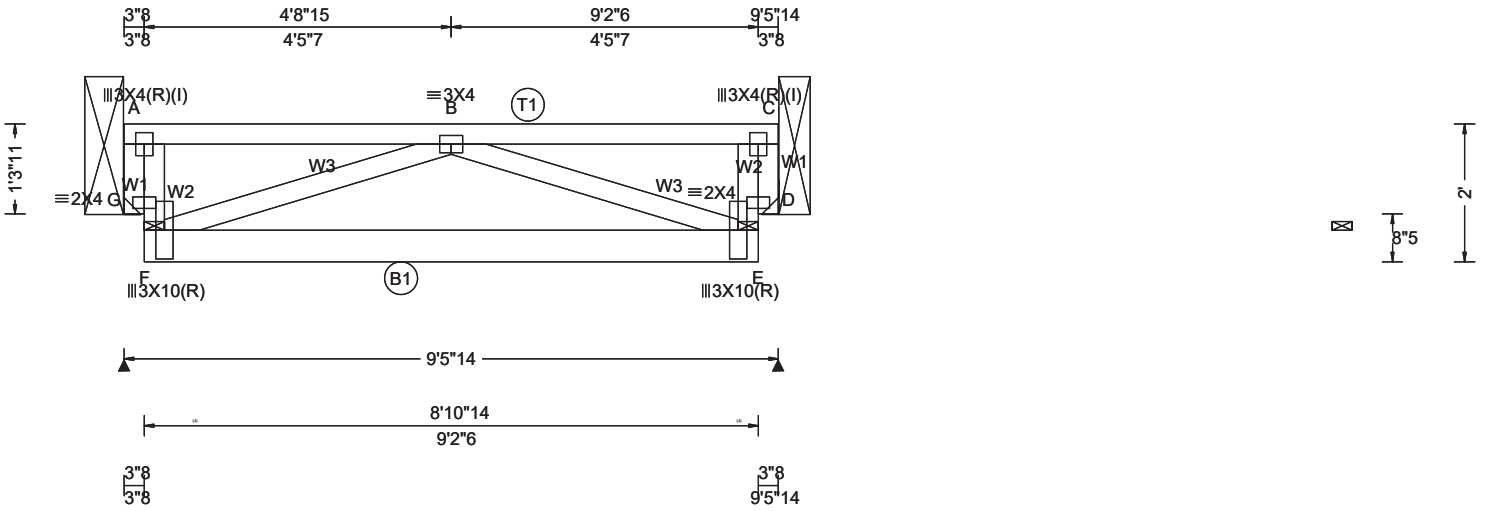
SEQN: 144096 / T57 / FLAT FROM:	Ply: 2 Qty: 1 Wgt: 120.4 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1AAG	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.004 B	999	240
VERT(CL):	0.008 B	999	180
HORZ(LL):	-0.001 E	-	-
HORZ(TL):	0.001 E	-	-

Creep Factor: 2.0
Max TC CSI: 0.062
Max BC CSI: 0.896
Max Web CSI: 0.425
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
G	1064 /-	/-	/-	/365	/39
D	1205 /-	/-	/-	/414	/-

Wind reactions based on MWFRS
G Brg Wid = - Min Req = -
D Brg Wid = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	35	-92	B - C	34	-97

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
F - E	198	-91

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - G	499	-163	B - E	61	-108
G - A	203	-568	D - E	569	-188
G - F	499	-163	C - D	798	-822
F - B	60	-113			

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #1;
Webs: 2x4 SP #3;
Lt Bearing Leg: 2x4 SP #3;
Rt Bearing Leg: 2x4 SP #3;

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 30 plf at 0.00 to 30 plf at 9.49
BC: From 10 plf at 0.29 to 10 plf at 9.20
BC: 379 lb Conc. Load at 1.09, 3.09, 5.09, 7.09 9.09

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

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

Additional Notes
Truss must be installed as shown with top chord up.

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	107	0.00	8.91

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Wind
Wind loads and reactions based on MWFRS.

Left end vertical exposed to wind pressure. Deflection meets L/240.

Right end vertical not exposed to wind pressure.

07/23/24
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[redacted]

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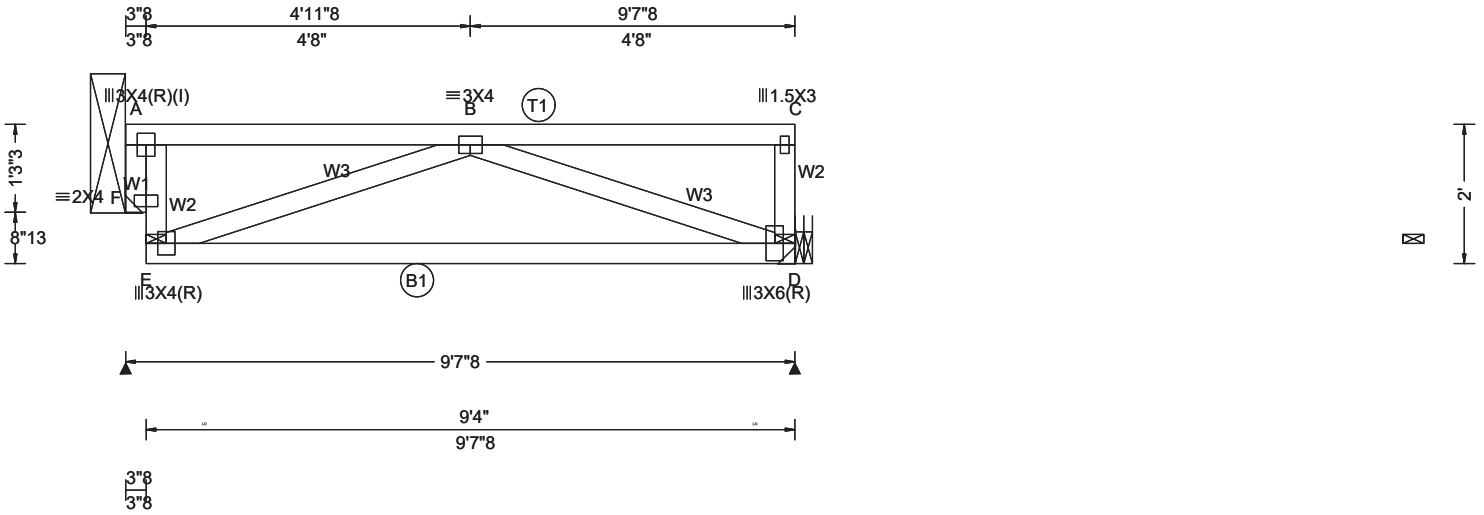
SEQN: 144090 / T56 / FLAT FROM:	Ply: 1 Qty: 5 Wgt: 49.0 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1AB	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 psf
MWFRS Parallel Dist: h/2 to h
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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Yes
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.012	B	999	360
VERT(CL): 0.023	B	999	240
HORZ(LL): -0.005	D	-	-
HORZ(TL): 0.008	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.261
Max BC CSI: 0.535
Max Web CSI: 0.273
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	385	/-	/-	/194	/135	/45
D	379	/-	/-	/194	/130	/-

Wind reactions based on MWFRS
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	78	-96	B - C	6	-37

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
E - D	501	-630

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - F	242	-186	E - B	589	-431
F - A	656	-597	B - D	664	-495
F - E	242	-186	C - D	155	-116

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Bearing Leg: 2x4 SP #3;

Plating Notes

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

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	112	0.00	9.33

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

Hangers / Ties

(J) Hanger Support Required, by others

Wind

Wind loads based on MWFRS with additional C&C member design.

Left end vertical exposed to wind pressure. Deflection meets L/240.

Right end vertical not exposed to wind pressure.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

07/23/24
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[redacted]

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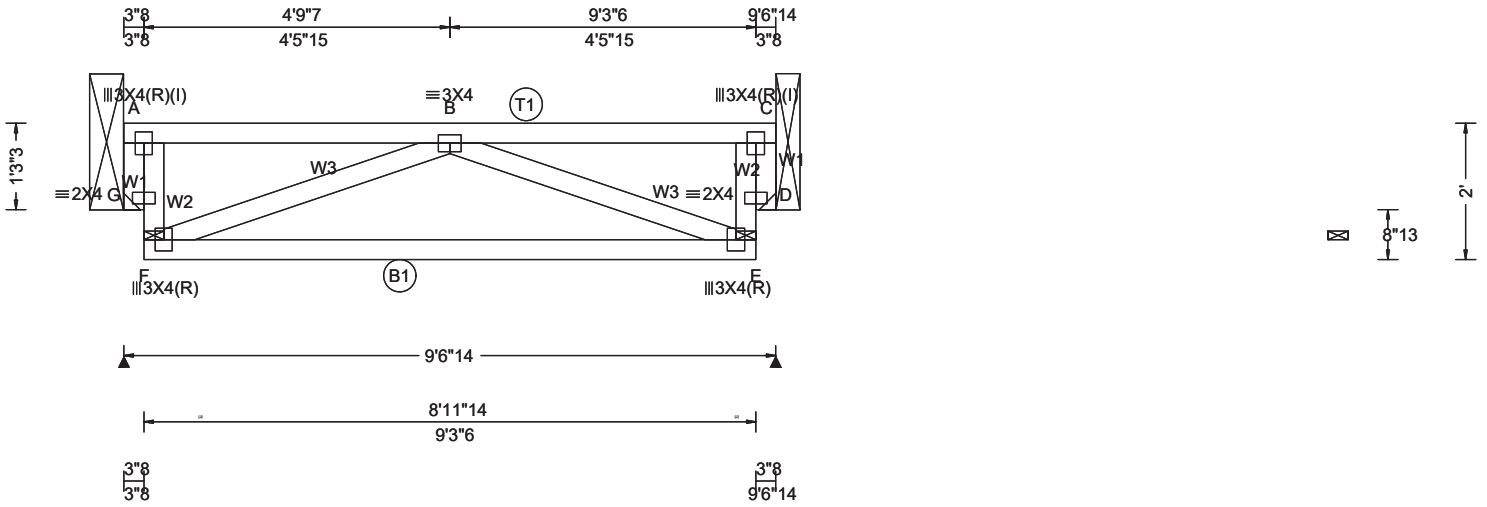
SEQN: 144087 / T38 / FLAT FROM:	Ply: 1 Qty: 9 Wgt: 50.4 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1AC	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 psf
MWFRS Parallel Dist: h/2 to h
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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Yes
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.011	B	999	360
VERT(CL): 0.021	B	999	240
HORZ(LL): -0.004	E	-	-
HORZ(TL): 0.008	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.220
Max BC CSI: 0.500
Max Web CSI: 0.253
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	377	/-	/-	/190	/132	/45
D	377	/-	/-	/190	/132	/-

Wind reactions based on MWFRS
G Brg Wid = - Min Req = -
D Brg Wid = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	77	-91	B - C	71	-91

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
F - E	474	-593

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - G	235	-181	B - E	558	-410
G - A	639	-580	D - E	235	-182
G - F	235	-181	C - D	868	-762
F - B	555	-410			

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Bearing Leg: 2x4 SP #3;
Rt Bearing Leg: 2x4 SP #3;

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

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	108	0.00	8.99

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

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

Wind
Wind loads based on MWFRS with additional C&C member design.
Left end vertical exposed to wind pressure. Deflection meets L/240.
Right end vertical not exposed to wind pressure.

Additional Notes
Provide for complete drainage of roof.
Truss must be installed as shown with top chord up.

07/23/24
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[redacted]

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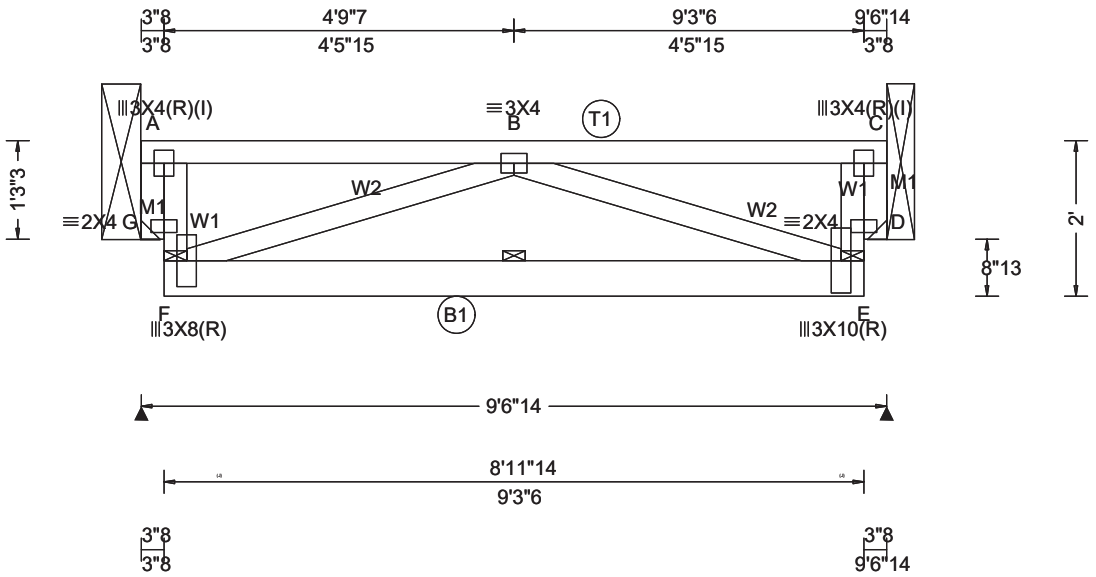
SEQN: 144081 / T85 / FLAT FROM:	Ply: 1 Qty: 1 Wgt: 57.4 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1ACG	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.006 B	999	360
VERT(CL):	0.012 B	999	240
HORZ(LL):	-0.002 E	-	-
HORZ(TL):	0.003 E	-	-

Creep Factor: 2.0
Max TC CSI: 0.123
Max BC CSI: 0.827
Max Web CSI: 0.414
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	563	/-	/-	/-	/194	/27
D	594	/-	/-	/-	/204	/-

Wind reactions based on MWFRS
G Brg Wid = - Min Req = -
D Brg Wid = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	36	- 101	B - C	37	- 103

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
F - E	308	- 149

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - G	494	- 155	B - E	123	- 218
G - A	246	- 651	D - E	525	- 165
G - F	494	- 155	C - D	780	- 846
F - B	121	- 220			

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #1;
Webs: 2x4 SP #3;
Lt Bearing Leg: 2x4 SP #3;
Rt Bearing Leg: 2x4 SP #3;

Special Loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 30 plf at 0.00 to 30 plf at 9.57
BC: From 10 plf at 0.29 to 10 plf at 9.28
BC: 156 lb Conc. Load at 0.97, 2.97, 4.97, 6.97 8.97

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

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	100	0.00	8.99

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.
The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

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

Additional Notes
Truss must be installed as shown with top chord up.

Wind
Wind loads and reactions based on MWFRS.
Left end vertical exposed to wind pressure. Deflection meets L/240.
Right end vertical not exposed to wind pressure.

07/23/24
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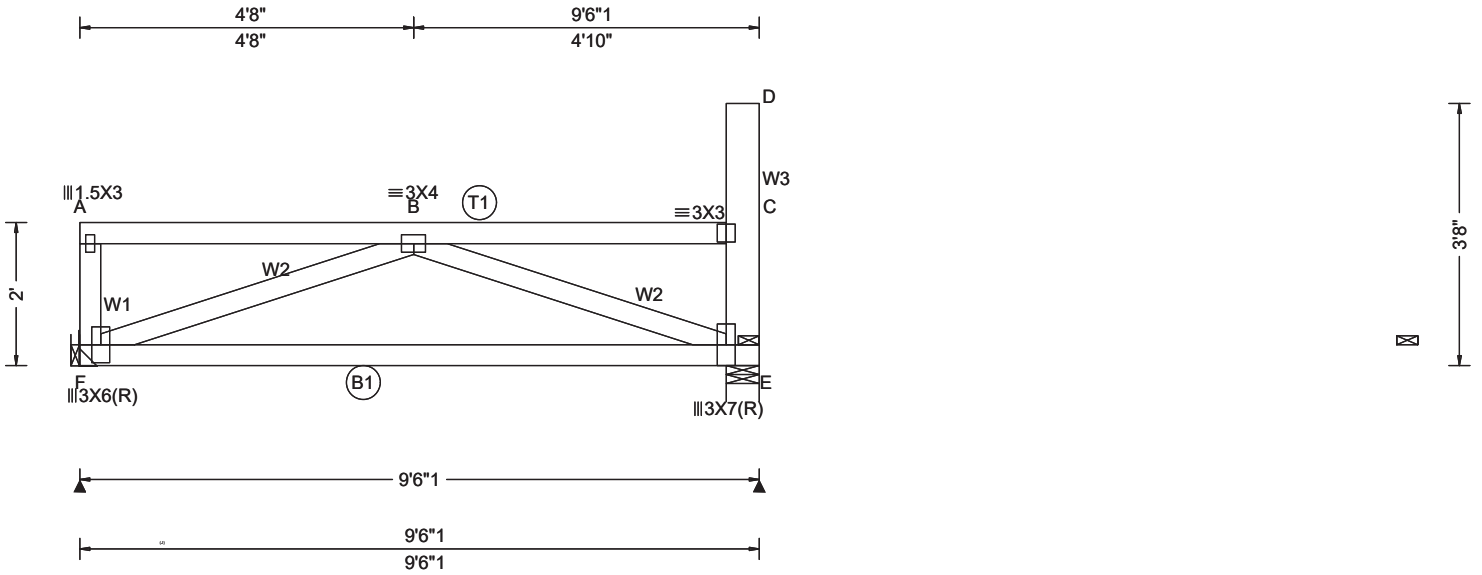
SEQN: 144084 / T64 / FLAT FROM:	Ply: 1 Qty: 1 Wgt: 53.2 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1AD	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: NA
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	-0.010 B	999	360
VERT(CL):	0.024 B	999	240
HORZ(LL):	-0.003 E	-	-
HORZ(TL):	0.008 E	-	-

Creep Factor: 2.0
Max TC CSI: 0.308
Max BC CSI: 0.543
Max Web CSI: 0.255
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	552	/-	/-	/221	/147	/128
E	353	/-	/-	/201	/141	/-

Wind reactions based on MWFRS
F Brg Wid = - Min Req = -
E Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearing E is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	7	-33	B - C	250	-370

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
F - E	522	-718

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - F	153	-286	C - E	135	-101
F - B	798	-521	D - C	14	-9
B - E	858	-466			

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #3; W3 2x6 SP #2;

Special Loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 60 plf at 0.00 to 60 plf at 9.05
BC: From 20 plf at 0.00 to 20 plf at 9.50
TC: 173 lb Conc. Load at 0.00

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	114	0.00	9.50

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.
The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

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

Loading
Drifting snow load has been considered for only in plane loading as follows:

Location	Lu1	Lu2	Height	Pd	W
9.05	0.00	20.00	1.67	17.51	2.39

Where: Lu1 = leeward distance, Lu2 = windward distance
Pd = max applied load, W = length of applied load.

Additional Notes
Truss must be installed as shown with top chord up.

Wind
Wind loads based on MWFRS with additional C&C member design.
Left end vertical not exposed to wind pressure.
Right end vertical exposed to wind pressure.
Deflection meets L/240.

07/23/24
This drawing was electronically sealed by
Robert A Davis PE, Firm #5552

[redacted]

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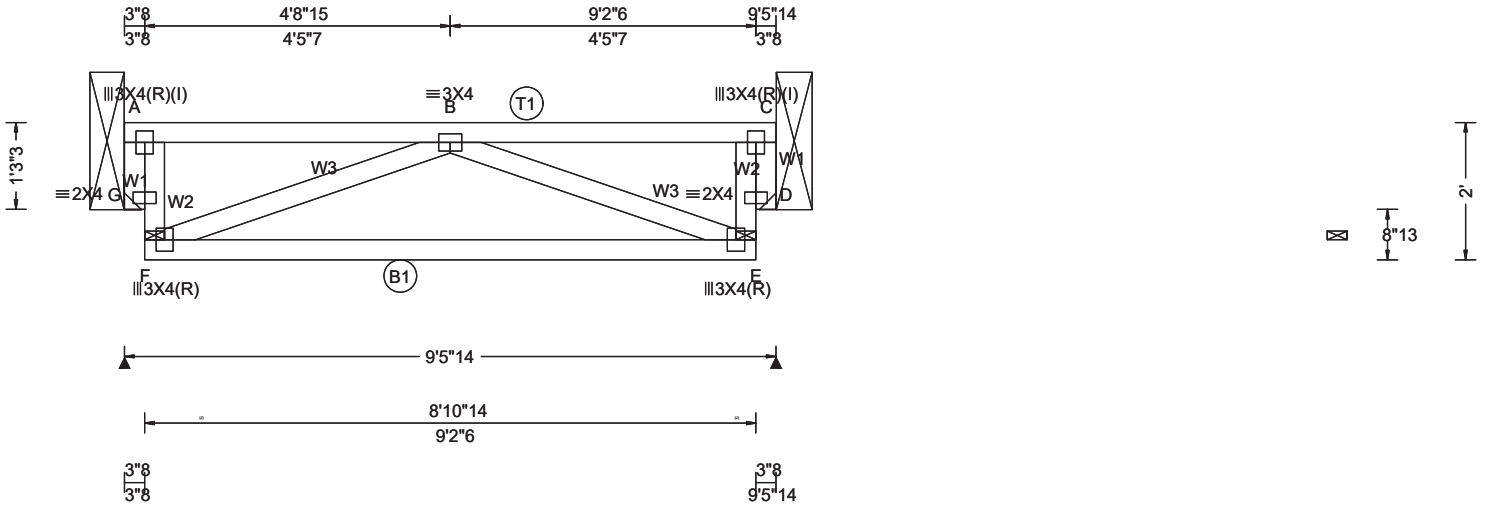
SEQN: 144099 / T40 / FLAT FROM:	Ply: 1 Qty: 15 Wgt: 50.4 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1AF	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 psf
MWFRS Parallel Dist: h/2 to h
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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Yes
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.011	B	999	360
VERT(CL): 0.021	B	999	240
HORZ(LL): -0.004	E	-	-
HORZ(TL): 0.008	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.217
Max BC CSI: 0.491
Max Web CSI: 0.249
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	374	/-	/-	/188	/131	/45
D	374	/-	/-	/189	/131	/-

Wind reactions based on MWFRS
G Brg Wid = - Min Req = -
D Brg Wid = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	75	- 90	B - C	70	- 90

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
F - E	466	- 584

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - G	233	- 180	B - E	551	- 403
G - A	631	- 572	D - E	233	- 181
G - F	233	- 180	C - D	859	- 753
F - B	547	- 403			

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Bearing Leg: 2x4 SP #3;
Rt Bearing Leg: 2x4 SP #3;

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

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	107	0.00	8.91

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

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

Wind
Wind loads based on MWFRS with additional C&C member design.
Left end vertical exposed to wind pressure. Deflection meets L/240.
Right end vertical not exposed to wind pressure.

Additional Notes
Provide for complete drainage of roof.
Truss must be installed as shown with top chord up.

07/23/24
This drawing was electronically sealed by Robert A Davis PE, Firm #5552

[redacted]

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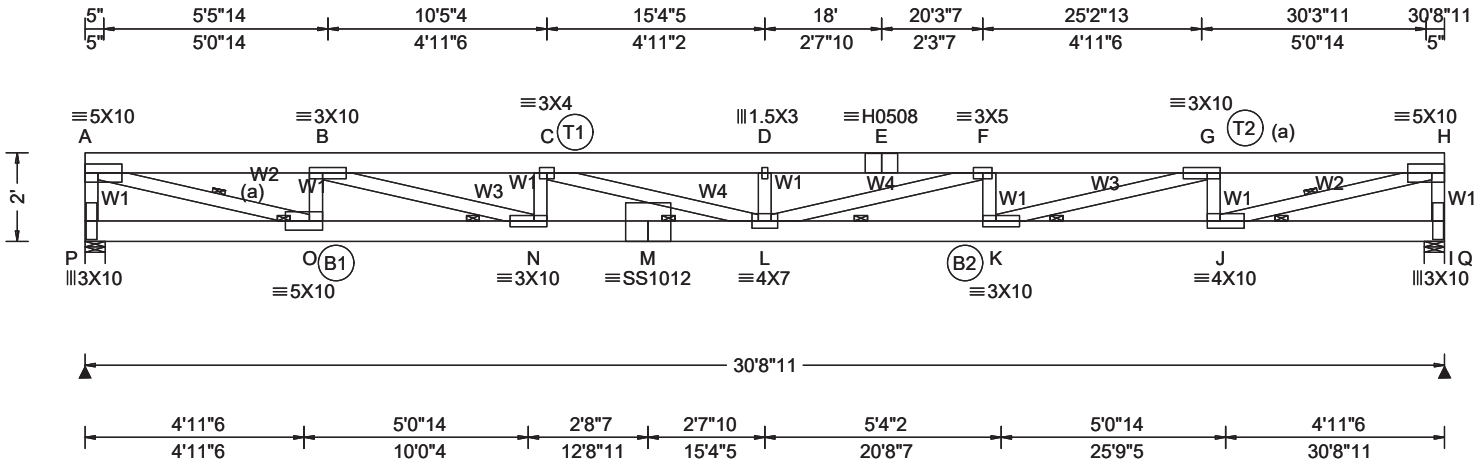
SEQN: 144304 / T78 / FLAT FROM:	Ply: 1 Qty: 1 Wgt: 196.0 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1AG	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.07 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE, 18SS, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.602 D	612	360
VERT(CL):	1.370 D	269	240
HORZ(LL):	0.075 A	-	-
HORZ(TL):	0.171 A	-	-

Creep Factor: 2.0
Max TC CSI: 0.949
Max BC CSI: 0.971
Max Web CSI: 0.843
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
P	1886 /-	/-	/-	/843	/-
Q	1730 /-	/-	/-	/853	/-

Wind reactions based on MWFRS
P Brg Wid = 5.5 Min Req = 1.6 (Truss)
Q Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings P & Q are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	2393	-5319	E - F	4270	-9052
B - C	3818	-8462	F - G	3820	-7770
C - D	4270	-9052	G - H	2399	-4769
D - E	4270	-9052			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
P - O	25	0	L - K	7867	-3823
O - N	5555	-2455	K - J	4972	-2460
N - M	8568	-3820	J - I	24	0
M - L	8568	-3820			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - P	799	-1750	L - F	1241	-429
A - O	5532	-2469	F - K	216	-525
O - B	535	-1271	K - G	2940	-1389
B - N	3054	-1392	G - J	529	-1093
N - C	214	-573	J - H	4959	-2475
C - L	506	-432	H - I	798	-1587
D - L	65	-177			

Lumber

Top chord: 2x6 SP #2;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W2 2x4 SP #1; W3 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

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

TC: From	60 plf at	0.00 to	60 plf at	2.54
TC: From	30 plf at	2.54 to	30 plf at	28.54
TC: From	60 plf at	28.54 to	60 plf at	30.72
BC: From	20 plf at	0.00 to	20 plf at	2.54
BC: From	10 plf at	2.54 to	10 plf at	28.54
BC: From	20 plf at	28.54 to	20 plf at	30.72

PLT: 220 lb Conc. Load at (7.23,28.89), (12.04,28.89)
BC: 126 lb Conc. Load at 2.54, 4.54, 6.54, 8.54 10.54,12.54,14.54,16.54,18.54,20.54,22.54,24.54 26.54,28.54

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	60	0.00	30.72

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Additional Notes

Truss must be installed as shown with top chord up.

Loading

Truss supports 1319# mech unit; unit centered at 9-7-10; supported by TC; unit width 4-9-12; supported by 6 trusses.

Wind

Wind loads and reactions based on MWFRS.

End verticals exposed to wind pressure. Deflection meets L/240.

Deflection

Max JT VERT DEFL: LL: 0.60" DL: 0.77". See detail DEFLCAMB1014 for camber recommendations.
Provide for adequate drainage of roof.

07/23/24
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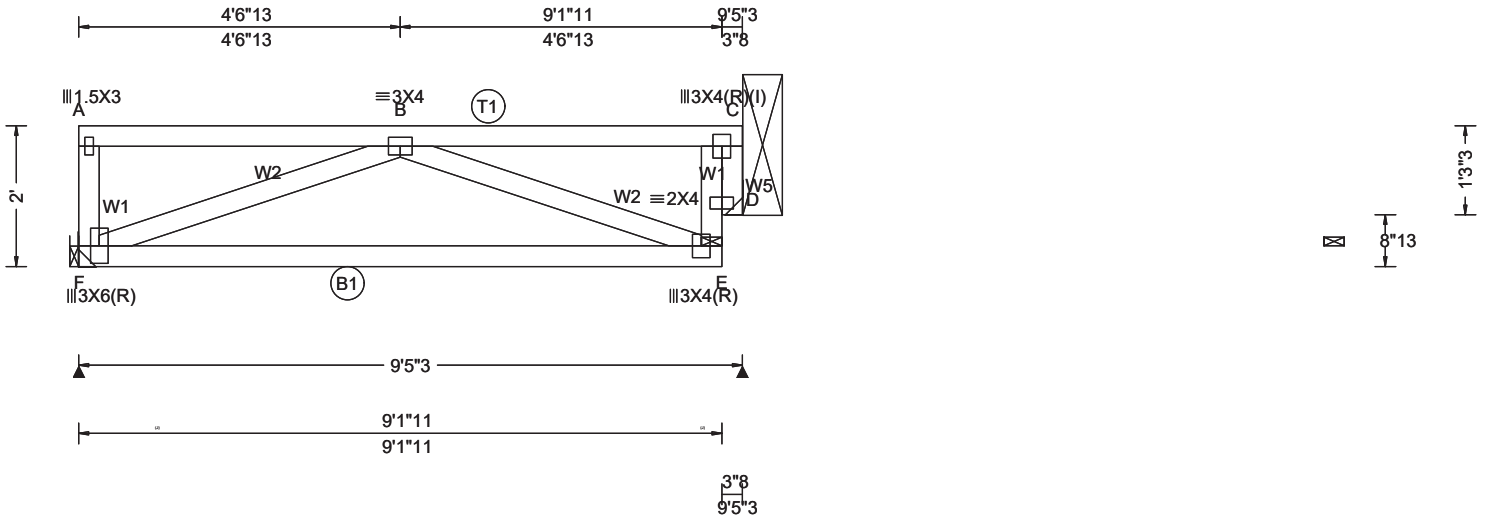
SEQN: 144114 / T81 / FLAT FROM:	Ply: 1 Qty: 2 Wgt: 49.0 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1AH	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 psf
MWFRS Parallel Dist: h/2 to h
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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.014 B	999	360
VERT(CL):	0.041 B	999	240
HORZ(LL):	0.005 E	-	-
HORZ(TL):	0.013 E	-	-

Creep Factor: 2.0
Max TC CSI: 0.467
Max BC CSI: 0.669
Max Web CSI: 0.419
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	561	/-	/-	/192	/129	/45
D	508	/-	/-	/194	/135	/-

Wind reactions based on MWFRS
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	48	- 52	B - C	72	- 89

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
F - E	890	- 626

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - F	153	- 152	D - E	391	- 191
F - B	651	- 906	C - D	1031	- 819
B - E	591	- 855			

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Rt Bearing Leg: 2x4 SP #3;

Special Loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 60 plf at 0.00 to 60 plf at 9.43
BC: From 20 plf at 0.00 to 20 plf at 9.14
TC: 320 lb Conc. Load at 3.79

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

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	110	0.00	9.14

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

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

Additional Notes
Truss must be installed as shown with top chord up.

Wind
Wind loads based on MWFRS with additional C&C member design.

Left end vertical exposed to wind pressure. Deflection meets L/240.

Right end vertical not exposed to wind pressure.

THIS TRUSS SUPPORTS MECH UNIT RTU1. VERIFY THIS HAS BEEN ACCOUNTED FOR IN THE DESIGN

07/23/24
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[redacted]

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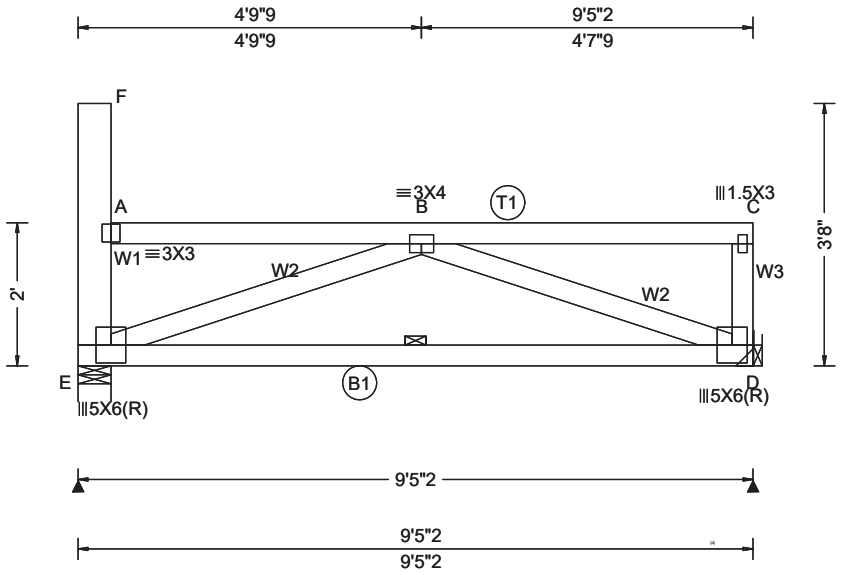
SEQN: 144117 / T91 / FLAT FROM:	Ply: 1 Qty: 2 Wgt: 53.2 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1AJ	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 psf
MWFRS Parallel Dist: h/2 to h
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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.037 B	999	360
VERT(CL):	0.089 B	999	240
HORZ(LL):	0.012 D	-	-
HORZ(TL):	0.029 D	-	-

Creep Factor: 2.0
Max TC CSI: 0.343
Max BC CSI: 0.991
Max Web CSI: 0.920
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E	831	/-	/-	/200	/277	/128
D	1216	/-	/-	/220	/209	/-

Wind reactions based on MWFRS
E Brg Wid = 5.5 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	250	-370	B - C	7	-37

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
E - D	1865	-746

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
E - A	134	-99	B - D	788	-1949
E - B	852	-1894	C - D	152	-454
F - A	14	-9			

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W1 2x6 SP #2;

Special Loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 60 plf at 0.46 to 60 plf at 9.43
BC: From 20 plf at 0.00 to 20 plf at 9.43
TC: 1000 lb Conc. Load at 4.90
TC: 320 lb Conc. Load at 9.43

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	80	0.00	9.43

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.
The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

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

Loading
Drifting snow load has been considered for only in plane loading as follows:

Location	Lu1	Lu2	Height	Pd	W
0.46	0.00	20.00	1.67	17.51	2.39

Where: Lu1 = leeward distance, Lu2 = windward distance
Pd = max applied load, W = length of applied load.

Wind
Wind loads based on MWFRS with additional C&C member design.
Left end vertical exposed to wind pressure. Deflection meets L/240.
Right end vertical not exposed to wind pressure.

Additional Notes
Truss must be installed as shown with top chord up.

07/23/24
This drawing was electronically sealed by Robert A Davis PE, Firm #5552

[redacted]

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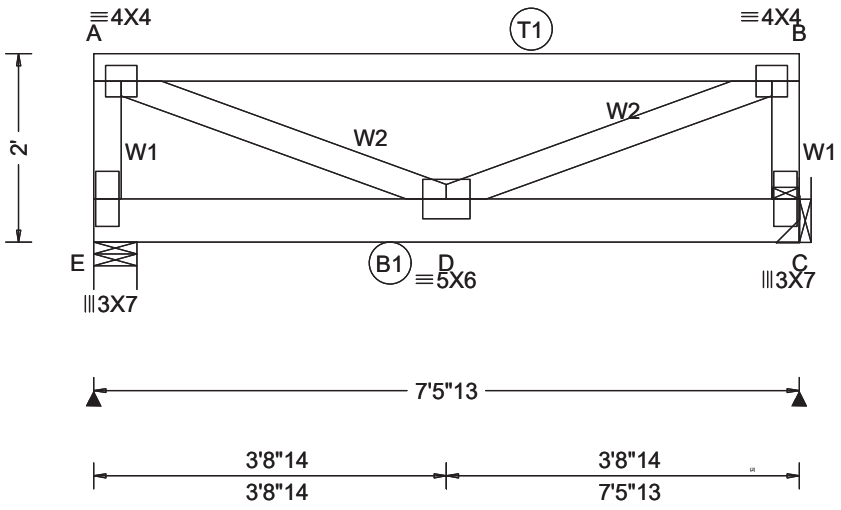
SEQN: 144180 / T4 / FLAT FROM:	Ply: 1 Qty: 1 Wgt: 44.8 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1AKG	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.023 D	999	360
VERT(CL):	0.049 D	999	240
HORZ(LL):	0.004 A	-	-
HORZ(TL):	0.008 A	-	-

Creep Factor: 2.0
Max TC CSI: 0.761
Max BC CSI: 0.762
Max Web CSI: 0.604
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
E	824 /-	/-	/-	/292	/39
C	1260 /-	/-	/-	/376	/-

Wind reactions based on MWFRS
E Brg Wid = 5.5 Min Req = 1.5 (Truss)
C Brg Wid = - Min Req = -
Bearing E is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - B	486	- 1484

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
E - D	30	- 36	D - C	42	- 20

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - E	267	- 760	D - B	1573	- 507
A - D	1586	- 491	B - C	303	- 982

Lumber
Top chord: 2x4 SP #1;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #3;

Special Loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 30 plf at 0.00 to 30 plf at 4.59
TC: From 60 plf at 4.59 to 60 plf at 7.48
BC: From 10 plf at 0.00 to 10 plf at 4.59
BC: From 20 plf at 4.59 to 20 plf at 7.48
TC: 173 lb Conc. Load at 7.48
BC: 160 lb Conc. Load at 1.14
BC: 1336 lb Conc. Load at 4.59

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	90	0.00	7.48

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

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

Wind
Wind loads and reactions based on MWFRS.

Left end vertical exposed to wind pressure. Deflection meets L/240.

Right end vertical not exposed to wind pressure.

Additional Notes
Truss must be installed as shown with top chord up.

07/23/24
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Robert A Davis PE, Firm #5552

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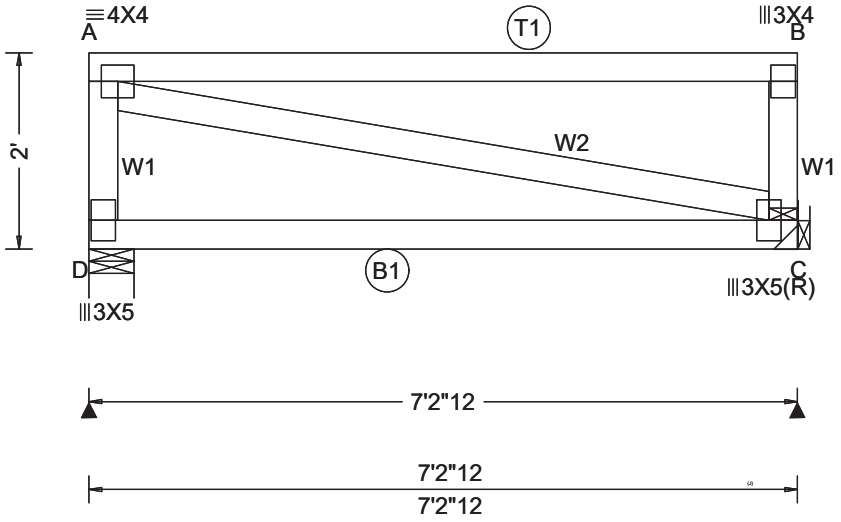
SEQN: 144129 / T73 / FLAT FROM:	Ply: 1 Qty: 2 Wgt: 39.2 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1AL	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 psf
MWFRS Parallel Dist: h/2 to h
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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.000 B	999	360
VERT(CL):	0.001 B	999	240
HORZ(LL):	0.000 B	-	-
HORZ(TL):	0.001 C	-	-

Creep Factor: 2.0
Max TC CSI: 0.942
Max BC CSI: 0.314
Max Web CSI: 0.404
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
D	289	/-	/-	/150	/102	/45
C	509	/-	/-	/153	/102	/-

Wind reactions based on MWFRS
D Brg Wid = 5.5 Min Req = 1.5 (Truss)
C Brg Wid = - Min Req = -
Bearing D is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - B	60	-56

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
D - C	56	-102

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - D	326	-217	B - C	321	-437
A - C	43	-32			

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Special Loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 60 plf at 0.00 to 60 plf at 7.23
BC: From 20 plf at 0.00 to 20 plf at 7.23
TC: 220 lb Conc. Load at 7.23

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	87	0.00	7.23

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

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

Wind
Wind loads based on MWFRS with additional C&C member design.

Left end vertical exposed to wind pressure. Deflection meets L/240.

Right end vertical not exposed to wind pressure.

Additional Notes
Truss must be installed as shown with top chord up.

07/23/24
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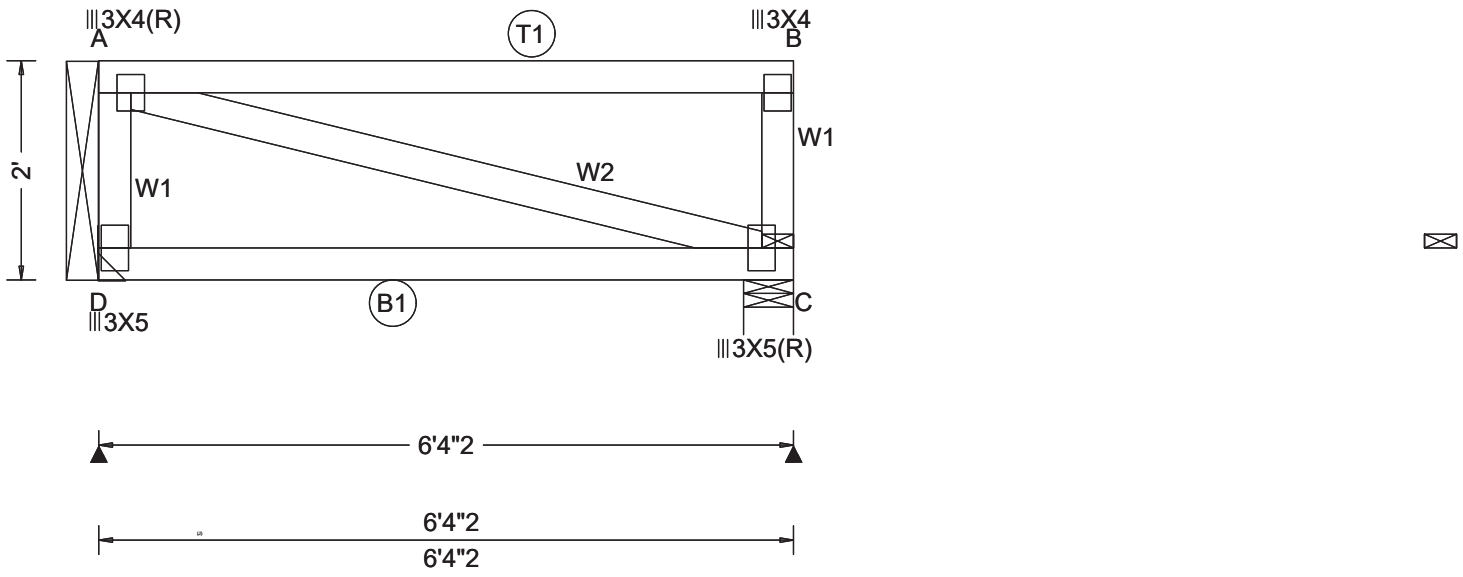
SEQN: 144123 / T49 / FLAT FROM:	Ply: 1 Qty: 5 Wgt: 33.6 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-1AM	DRW: ... / ... 07/23/2024



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 psf
MWFRS Parallel Dist: h/2 to h
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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.000	A	999	360
VERT(CL): 0.001	A	999	240
HORZ(LL): 0.001	B	-	-
HORZ(TL): 0.001	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.786
Max BC CSI: 0.247
Max Web CSI: 0.317
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
D	286	/-	/-	/137	/94	/59
C	262	/-	/-	/137	/94	/-

Wind reactions based on MWFRS
D Brg Wid = - Min Req = -
C Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearing C is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - B	85	-43

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
D - C	61	-133

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - D	310	-223	B - C	294	-198
A - C	65	-65			

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Special Loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 60 plf at 0.00 to 60 plf at 6.35
BC: From 20 plf at 0.00 to 20 plf at 6.35
TC: 41 lb Conc. Load at 1.31

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	76	0.00	6.35

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

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

Wind
Wind loads based on MWFRS with additional C&C member design.

End verticals exposed to wind pressure. Deflection meets L/240.

Additional Notes
Truss must be installed as shown with top chord up.

07/23/24
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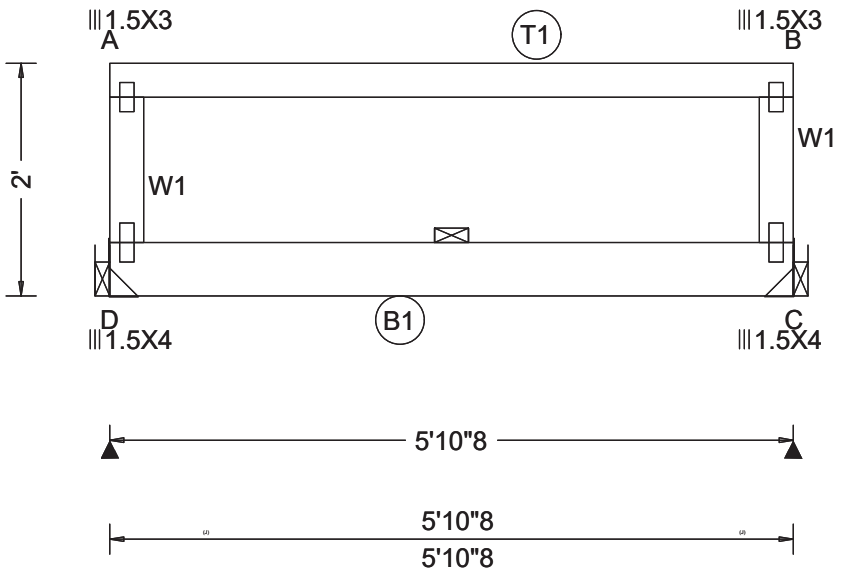
SEQN: 144255 / T80 / FLAT FROM:	Ply: 1 Qty: 1 Wgt: 26.6 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-2G	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	-0.000 B	999	360
VERT(CL):	0.000 B	999	240
HORZ(LL):	-0.028 A	-	-
HORZ(TL):	0.029 A	-	-

Creep Factor: 2.0
Max TC CSI: 0.307
Max BC CSI: 0.936
Max Web CSI: 0.183
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
D	678	/-	/-	/-	/164	/39
C	678	/-	/-	/-	/174	/-

Wind reactions based on MWFRS
D Brg Wid = - Min Req = -
C Brg Wid = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - B	23	-43

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
D - C	43	-23

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - D	46	-88	B - C	51	-88

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #1;
Webs: 2x4 SP #3;

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 30 plf at 0.00 to 30 plf at 5.88
BC: From 10 plf at 0.00 to 10 plf at 5.88
BC: 561 lb Conc. Load at 1.94, 3.94

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	51	0.00	5.88

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Hangers / Ties

(J) Hanger Support Required, by others

Wind

Wind loads and reactions based on MWFRS.

Left end vertical exposed to wind pressure. Deflection meets L/240.

Right end vertical not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.

07/23/24
This drawing was electronically sealed by
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[redacted]

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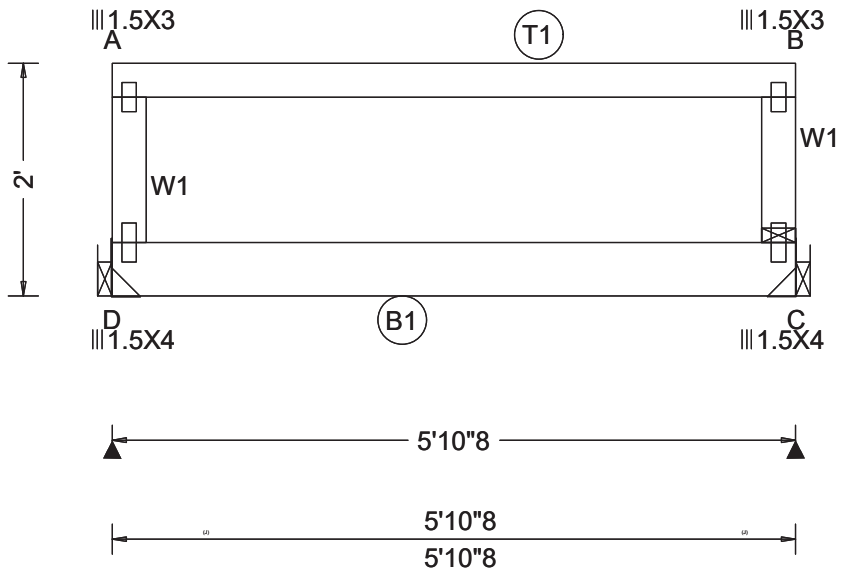
SEQN: 144126 / T50 / FLAT FROM:	Ply: 1 Qty: 1 Wgt: 26.6 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-2GA	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	-0.000 B	999	360
VERT(CL):	0.000 B	999	240
HORZ(LL):	-0.027 A	-	-
HORZ(TL):	0.028 A	-	-

Creep Factor: 2.0
Max TC CSI: 0.308
Max BC CSI: 0.317
Max Web CSI: 0.082
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
D	242 /-	/-	/-	/82	/39
C	242 /-	/-	/-	/93	/-

Wind reactions based on MWFRS
D Brg Wid = - Min Req = -
C Brg Wid = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - B	19	-21

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
D - C	21	-19

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - D	46	-88	B - C	51	-88

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #3;

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 30 plf at 0.00 to 30 plf at 5.88
BC: From 10 plf at 0.00 to 10 plf at 5.88
BC: 124 lb Conc. Load at 1.94, 3.94

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	70	0.00	5.88

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Hangers / Ties

(J) Hanger Support Required, by others

Wind

Wind loads and reactions based on MWFRS.

Left end vertical exposed to wind pressure. Deflection meets L/240.

Right end vertical not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.

07/23/24
This drawing was electronically sealed by
Robert A Davis PE, Firm #5552

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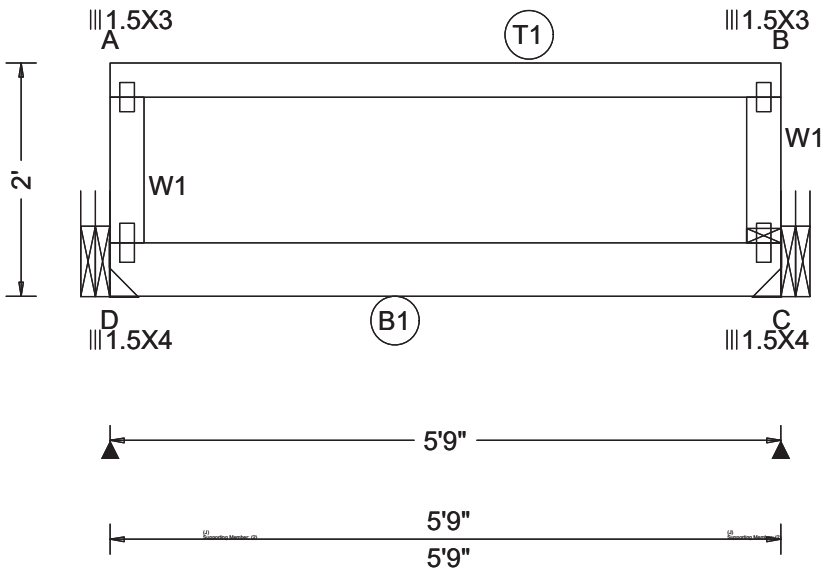
SEQN: 144233 / T9 / FLAT FROM:	Ply: 1 Qty: 1 Wgt: 26.6 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-2GB	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	-0.000 B	999	360
VERT(CL):	0.000 B	999	240
HORZ(LL):	-0.027 A	-	-
HORZ(TL):	0.029 A	-	-

Creep Factor: 2.0
Max TC CSI: 0.294
Max BC CSI: 0.828
Max Web CSI: 0.159
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
D	613	/-	/-	/-	/134	/39
C	635	/-	/-	/-	/149	/-

Wind reactions based on MWFRS
D Brg Wid = - Min Req = -
C Brg Wid = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - B	21	- 38

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
D - C	38	- 21

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - D	45	- 86	B - C	50	- 86

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #1;
Webs: 2x4 SP #3;

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 30 plf at 0.00 to 30 plf at 5.75
BC: From 10 plf at 0.00 to 10 plf at 5.75
BC: 509 lb Conc. Load at 1.94, 3.94

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	69	0.00	5.75

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Hangers / Ties

(J) Hanger Support Required, by others

Wind

Wind loads and reactions based on MWFRS.

Left end vertical exposed to wind pressure. Deflection meets L/240.

Right end vertical not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.

07/23/24
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Robert A Davis PE, Firm #5552

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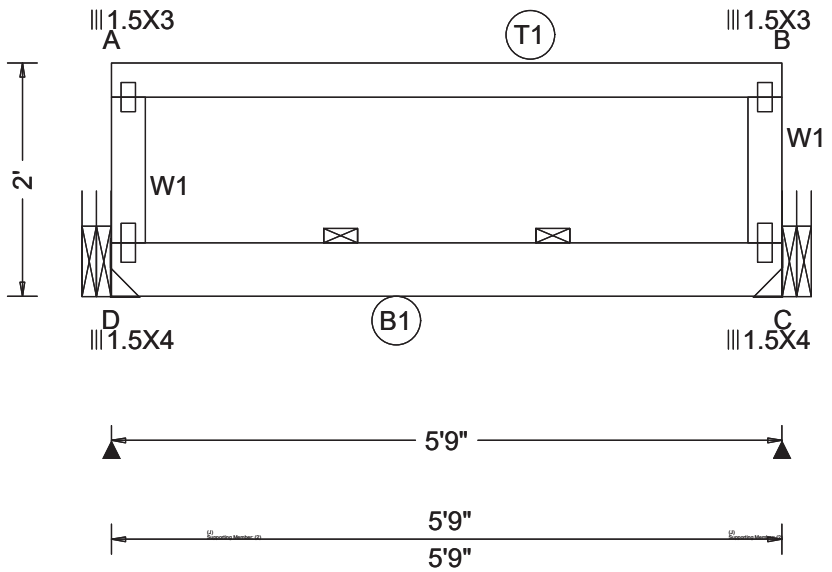
SEQN: 144236 / T8 / FLAT FROM:	Ply: 1 Qty: 1 Wgt: 26.6 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-2GC	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	-0.000 B	999	360
VERT(CL):	0.000 B	999	240
HORZ(LL):	-0.028 A	-	-
HORZ(TL):	0.029 A	-	-

Creep Factor: 2.0
Max TC CSI: 0.293
Max BC CSI: 0.966
Max Web CSI: 0.265
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
D	1162 /-	/-	/-	/285	/39
C	1209 /-	/-	/-	/308	/-

Wind reactions based on MWFRS
D Brg Wid = - Min Req = -
C Brg Wid = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - B	26	-56

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
D - C	56	-26

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - D	45	-86	B - C	50	-86

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3;

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 30 plf at 0.00 to 30 plf at 5.75
BC: From 10 plf at 0.00 to 10 plf at 5.75
BC: 1071 lb Conc. Load at 1.94, 3.94

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	33	0.00	5.75

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Hangers / Ties

(J) Hanger Support Required, by others

Wind

Wind loads and reactions based on MWFRS.

Left end vertical exposed to wind pressure. Deflection meets L/240.

Right end vertical not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.

07/23/24
This drawing was electronically sealed by Robert A Davis PE, Firm #5552

[redacted]

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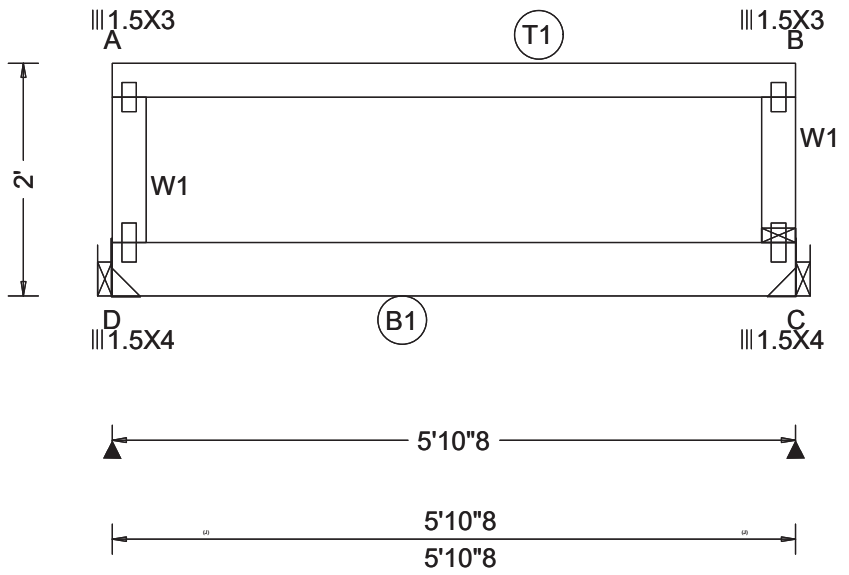
SEQN: 144141 / T60 / FLAT FROM:	Ply: 1 Qty: 1 Wgt: 26.6 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-2GD	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	-0.000 B	999	360
VERT(CL):	0.000 B	999	240
HORZ(LL):	-0.026 A	-	-
HORZ(TL):	0.028 A	-	-

Creep Factor: 2.0
Max TC CSI: 0.308
Max BC CSI: 0.142
Max Web CSI: 0.082
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
D	160 /-	/-	/-	/75	/39
C	160 /-	/-	/-	/86	/-

Wind reactions based on MWFRS
D Brg Wid = - Min Req = -
C Brg Wid = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - B	19	-16

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
D - C	16	-19

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - D	46	-88	B - C	51	-88

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #3;

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 30 plf at 0.00 to 30 plf at 5.88
BC: From 10 plf at 0.00 to 10 plf at 5.88
BC: 43 lb Conc. Load at 1.94, 3.94

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	70	0.00	5.88

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Hangers / Ties

(J) Hanger Support Required, by others

Wind

Wind loads and reactions based on MWFRS.

Left end vertical exposed to wind pressure. Deflection meets L/240.

Right end vertical not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.

07/23/24
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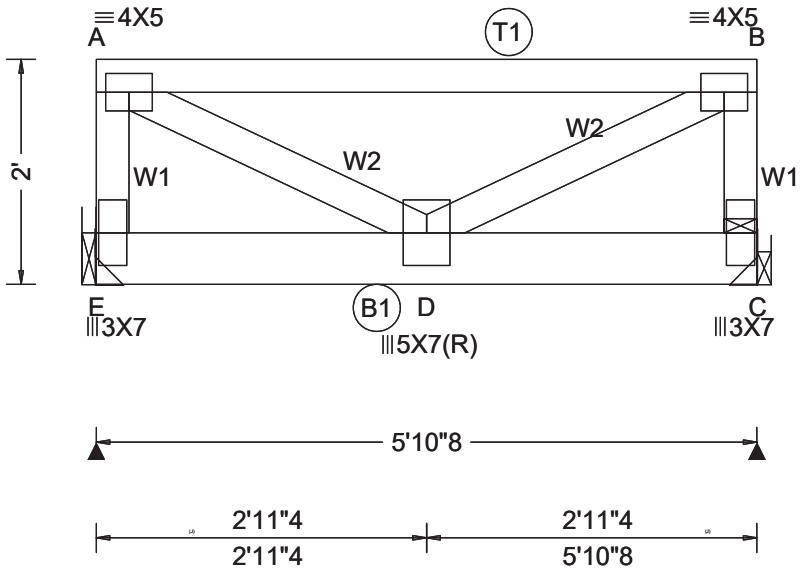
SEQN: 144177 / T3 / FLAT FROM:	Ply: 1 Qty: 1 Wgt: 35.0 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-2GF	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.018	D	999	360
VERT(CL): 0.037	D	999	240
HORZ(LL): 0.004	A	-	-
HORZ(TL): 0.007	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.451
Max BC CSI: 0.803
Max Web CSI: 0.656
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
E	1336 / -	/ -	/ -	/452	/39
C	1044 / -	/ -	/ -	/368	/-

Wind reactions based on MWFRS
E Brg Wid = - Min Req = -
C Brg Wid = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - B	519	- 1524

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
E - D	23	- 30	D - C	16	- 8

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - E	319	- 919	D - B	1723	- 583
A - D	1716	- 559	B - C	331	- 922

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #3;

Special Loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 30 plf at 0.00 to 30 plf at 5.88
BC: From 10 plf at 0.00 to 10 plf at 5.88
BC: 1501 lb Conc. Load at 1.94
BC: 643 lb Conc. Load at 3.94

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	70	0.00	5.88

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

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

Wind
Wind loads and reactions based on MWFRS.

Left end vertical exposed to wind pressure. Deflection meets L/240.

Right end vertical not exposed to wind pressure.

Additional Notes
Truss must be installed as shown with top chord up.

07/23/24
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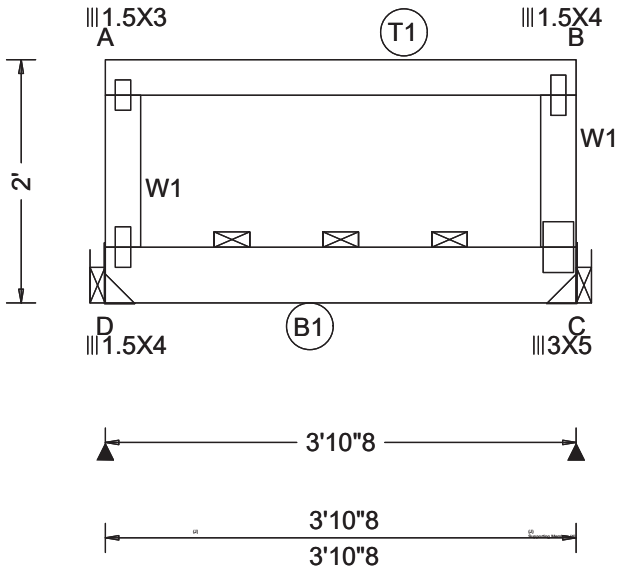
SEQN: 144183 / T6 / FLAT FROM:	Ply: 1 Qty: 1 Wgt: 19.6 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-2GG	DRW: ... / ... 07/22/2024



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): -0.000	B	999	360
VERT(CL): 0.000	B	999	240
HORZ(LL): -0.027	A	-	-
HORZ(TL): 0.028	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.262
Max BC CSI: 0.992
Max Web CSI: 0.104
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
D	785	/-	/-	/-	/233	/39
C	785	/-	/-	/-	/249	/-

Wind reactions based on MWFRS
D Brg Wid = - Min Req = -
C Brg Wid = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - B	19	- 25

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
D - C	25	- 19

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - D	61	- 116	B - C	68	- 116

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #1;
Webs: 2x4 SP #3;

Bracing
Fasten rated sheathing to one face of this frame.

Special Loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 60 plf at 0.00 to 60 plf at 3.87
BC: From 20 plf at 0.00 to 20 plf at 3.87
BC: 1260 lb Conc. Load at 1.94

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	14	0.00	3.87

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Wind
Wind loads and reactions based on MWFRS.

Left end vertical exposed to wind pressure. Deflection meets L/240.

Right end vertical not exposed to wind pressure.

Additional Notes
Truss must be installed as shown with top chord up.

07/23/24
This drawing was electronically sealed by Robert A Davis PE, Firm #5552

[redacted]

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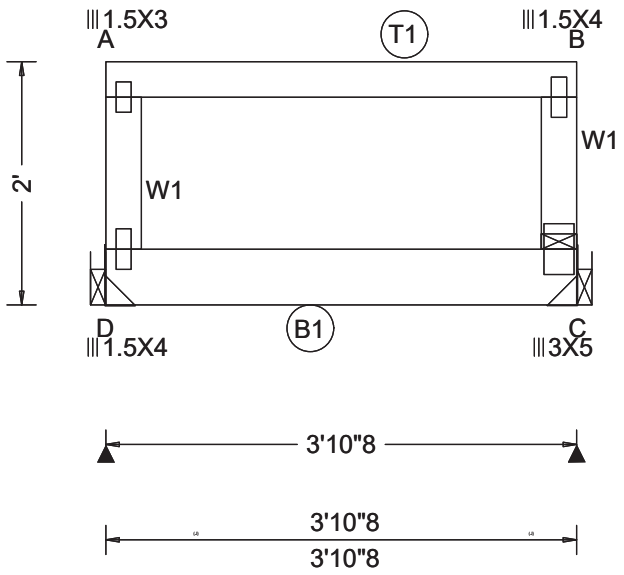
SEQN: 144144 / T70 / FLAT FROM:	Ply: 1 Qty: 1 Wgt: 19.6 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** T-2GH	DRW: ... / ... 07/22/2024



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): -0.000	B	999	360
VERT(CL): 0.000	B	999	240
HORZ(LL): -0.026	A	-	-
HORZ(TL): 0.028	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.262
Max BC CSI: 0.608
Max Web CSI: 0.063
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
D	431	/-	/-	/-	/118	/39
C	431	/-	/-	/-	/135	/-

Wind reactions based on MWFRS
D Brg Wid = - Min Req = -
C Brg Wid = - Min Req = -

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - B	16	- 17

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
D - C	17	- 16

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - D	61	- 116	B - C	68	- 116

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #3;

Bracing
Fasten rated sheathing to one face of this frame.

Special Loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 60 plf at 0.00 to 60 plf at 3.88
BC: From 20 plf at 0.00 to 20 plf at 3.88
BC: 552 lb Conc. Load at 1.94

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	46	0.00	3.88

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Wind
Wind loads and reactions based on MWFRS.

Left end vertical exposed to wind pressure. Deflection meets L/240.

Right end vertical not exposed to wind pressure.

Additional Notes
Truss must be installed as shown with top chord up.

07/23/24
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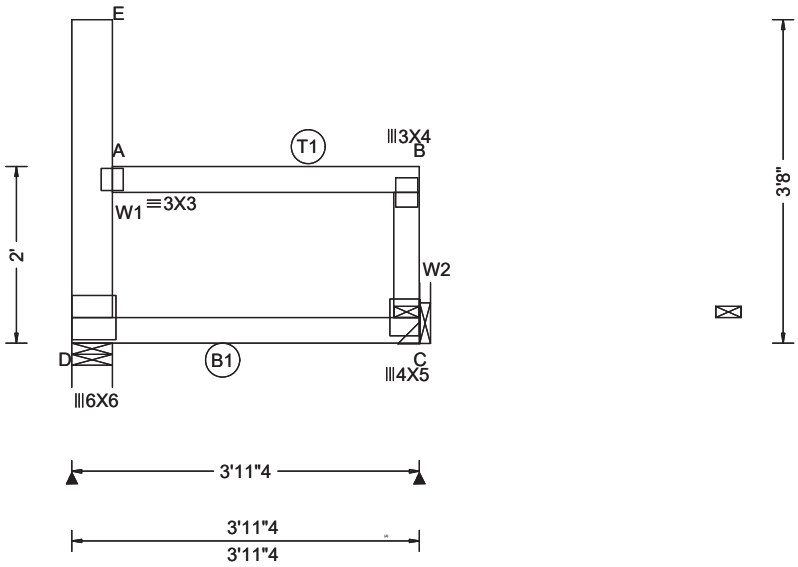
SEQN: 144275 / T75 / FLAT FROM:	Ply: 1 Qty: 5 Wgt: 22.4 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** J-1	DRW: ... / ... 07/23/2024



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 psf
MWFRS Parallel Dist: h/2 to h
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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Yes
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.009	A	999	360
VERT(CL): 0.011	A	999	240
HORZ(LL): 0.136	A	-	-
HORZ(TL): 0.149	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.314
Max BC CSI: 0.435
Max Web CSI: 0.357
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
D	132 /-	/-	/111	/101	/128
C	156 /-	/-	/145	/97	/-

Wind reactions based on MWFRS
D Brg Wid = 5.5 Min Req = 1.5 (Truss)
C Brg Wid = - Min Req = -
Bearing D is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - B	97	-116

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
D - C	116	-97

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - A	219	-94	B - C	223	-115
E - A	14	-9			

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x6 SP #2; W2 2x4 SP #3;

Bracing
Fasten rated sheathing to one face of this frame.

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	47	0.00	3.94

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

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

Loading
Drifting snow load has been considered for only in plane loading as follows:

Location	Lu1	Lu2	Height	Pd	W
0.46	0.00	20.00	1.67	17.51	2.39

Where: Lu1 = leeward distance, Lu2 = windward distance
Pd = max applied load, W = length of applied load.

Wind
Wind loads based on MWFRS with additional C&C member design.
Left end vertical exposed to wind pressure. Deflection meets L/240.
Right end vertical not exposed to wind pressure.

Additional Notes
Provide for complete drainage of roof.
Truss must be installed as shown with top chord up.

07/23/24
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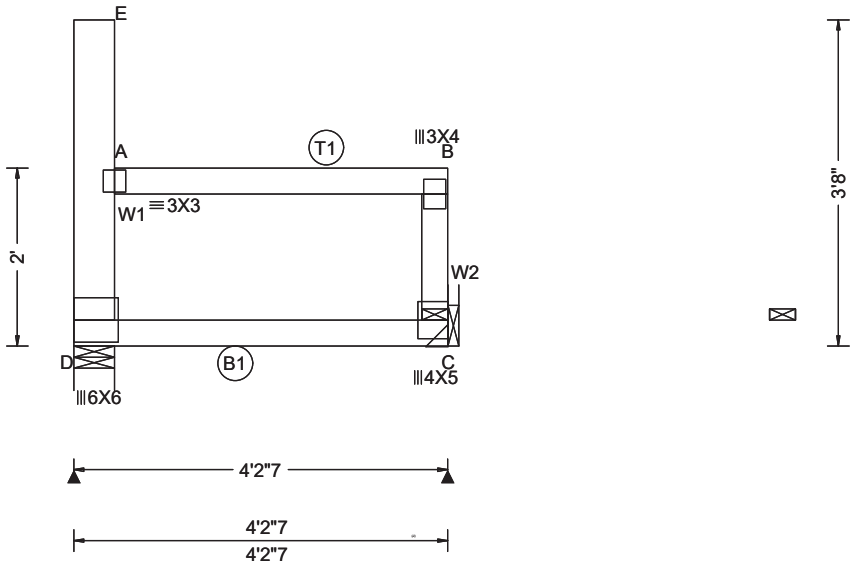
SEQN: 144278 / T48 / FLAT FROM:	Ply: 1 Qty: 10 Wgt: 23.8 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** J-1A	DRW: ... / ... 07/23/2024



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 psf
MWFRS Parallel Dist: h/2 to h
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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Yes
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.009 A	999	360
VERT(CL):	0.011 A	999	240
HORZ(LL):	0.137 A	-	-
HORZ(TL):	0.150 A	-	-

Creep Factor: 2.0
Max TC CSI: 0.346
Max BC CSI: 0.430
Max Web CSI: 0.365
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
D	142 /-	/-	/114	/101	/128
C	167 /-	/-	/147	/98	/-

Wind reactions based on MWFRS
D Brg Wid = 5.5 Min Req = 1.5 (Truss)
C Brg Wid = - Min Req = -
Bearing D is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - B	101	- 115

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
D - C	115	- 101

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - A	228	- 102	B - C	233	- 124
E - A	14	- 9			

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x6 SP #2; W2 2x4 SP #3;

Bracing
Fasten rated sheathing to one face of this frame.

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	50	0.00	4.20

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

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

Loading
Drifting snow load has been considered for only in plane loading as follows:

Location	Lu1	Lu2	Height	Pd	W
0.46	0.00	20.00	1.67	17.51	2.39

Where: Lu1 = leeward distance, Lu2 = windward distance
Pd = max applied load, W = length of applied load.

Wind
Wind loads based on MWFRS with additional C&C member design.
Left end vertical exposed to wind pressure. Deflection meets L/240.
Right end vertical not exposed to wind pressure.

Additional Notes
Provide for complete drainage of roof.
Truss must be installed as shown with top chord up.

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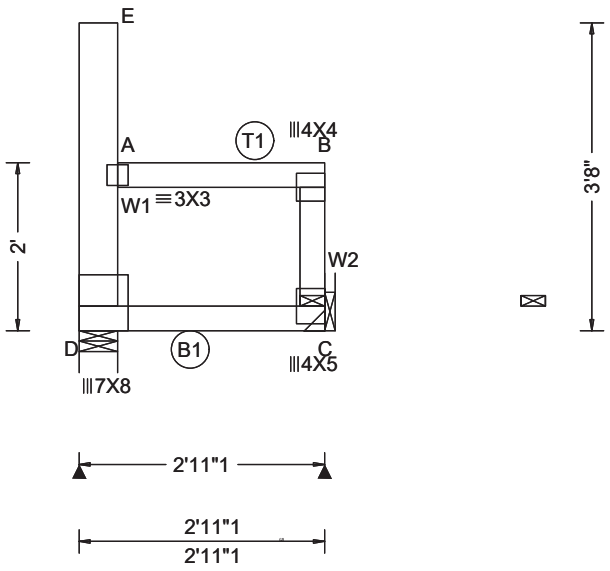
SEQN: 144290 / T37 / FLAT FROM:	Ply: 1 Qty: 10 Wgt: 19.6 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** J-1B	DRW: ... / ... 07/23/2024



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 psf
MWFRS Parallel Dist: h/2 to h
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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Yes
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.009	A	999	360
VERT(CL): 0.010	A	999	240
HORZ(LL): 0.134	A	-	-
HORZ(TL): 0.145	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.243
Max BC CSI: 0.452
Max Web CSI: 0.324
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
D	92	/-	/-	/104	/108	/128
C	115	/-	/-	/147	/98	/-

Wind reactions based on MWFRS
D Brg Wid = 5.5 Min Req = 1.5 (Truss)
C Brg Wid = - Min Req = -
Bearing D is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - B	87	-118

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
D - C	118	-87

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - A	189	-64	B - C	186	-84
E - A	14	-9			

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x6 SP #2; W2 2x4 SP #3;

Bracing
Fasten rated sheathing to one face of this frame.

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	35	0.00	2.92

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

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

Loading
Drifting snow load has been considered for only in plane loading as follows:

Location	Lu1	Lu2	Height	Pd	W
0.46	0.00	20.00	1.67	17.51	2.39

Where: Lu1 = leeward distance, Lu2 = windward distance
Pd = max applied load, W = length of applied load.

Wind
Wind loads based on MWFRS with additional C&C member design.
Left end vertical exposed to wind pressure. Deflection meets L/240.
Right end vertical not exposed to wind pressure.

Additional Notes
Provide for complete drainage of roof.
Truss must be installed as shown with top chord up.

07/23/24
This drawing was electronically sealed by Robert A Davis PE, Firm #5552

[redacted]

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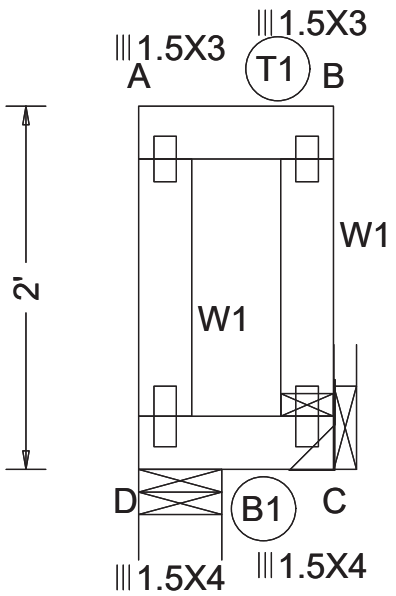
SEQN: 144293 / T72 / FLAT FROM:	Ply: 1 Qty: 2 Wgt: 11.2 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** J-1C	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 psf
MWFRS Parallel Dist: h/2 to h
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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Yes
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	-0.000 B	999	360
VERT(CL):	0.000 B	999	240
HORZ(LL):	0.033 A	-	-
HORZ(TL):	0.035 A	-	-

Creep Factor: 2.0
Max TC CSI: 0.031
Max BC CSI: 0.029
Max Web CSI: 0.079
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
D	43	/-	/-	/39	/45	/45
C	43	/-	/-	/58	/40	/-

Wind reactions based on MWFRS
D Brg Wid = 5.5 Min Req = 1.5 (Truss)
C Brg Wid = - Min Req = -
Bearing D is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - B	21	- 15

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
D - C	15	- 21

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - D	70	- 32	B - C	84	- 32

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing
Fasten rated sheathing to one face of this frame.

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	13	0.00	1.07

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

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

Wind
Wind loads based on MWFRS with additional C&C member design.
Left end vertical exposed to wind pressure. Deflection meets L/240.
Right end vertical not exposed to wind pressure.

Additional Notes
Provide for complete drainage of roof.
Truss must be installed as shown with top chord up.

STATE OF LOUISIANA
ROBERT A. DAVIS
REG. No. 25634
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENVIRONMENTAL ENGINEERING

07/23/24
This drawing was electronically sealed by
Robert A Davis PE, Firm #5552

[redacted]

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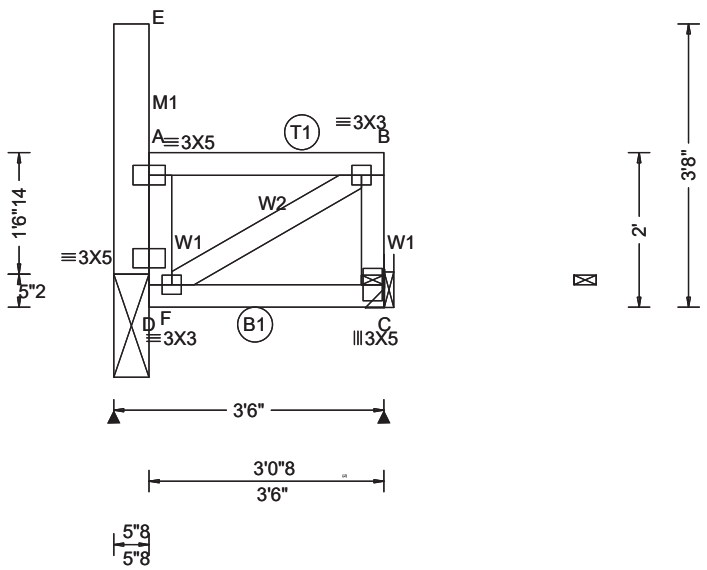
SEQN: 144301 / T79 / FLAT FROM:	Ply: 1 Qty: 14 Wgt: 29.4 lbs	**Job Number:** 209802R 332 New Hampshire - Roof **Truss Label:** J-1D	DRW: ... / ... 07/23/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 131 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 29.00 ft
TCDL: 4.2 psf
BCDL: 1.8 psf
MWFRS Parallel Dist: h/2 to h
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: 5.0 Ct: 1.1 CAT: II
Pf: 3.9 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2021
TPI Std: 2014
Rep Fac: Yes
FT/RT/PT:10(0)/10(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.000 A	999	360
VERT(CL):	0.000 B	999	240
HORZ(LL):	0.004 A	-	-
HORZ(TL):	0.005 A	-	-

Creep Factor: 2.0
Max TC CSI: 0.182
Max BC CSI: 0.050
Max Web CSI: 0.344
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	118	/-	/-	/101	/102	/121
C	126	/-	/-	/130	/87	/-

Wind reactions based on MWFRS
F Brg Wid = 5.5 Min Req = 1.5 (Support)
C Brg Wid = - Min Req = -
Bearing F is a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - B	200	- 298

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
D - C	5	- 7

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - F	113	- 163	F - D	113	- 163
E - A	16	- 28	D - B	348	- 221
F - A	291	- 118	B - C	259	- 100

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Bearing Leg: 2x6 SP #2;

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
BC	36	0.00	3.04

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

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

Wind
Wind loads based on MWFRS with additional C&C member design.
Left end vertical exposed to wind pressure. Deflection meets L/240.
Right end vertical not exposed to wind pressure.

Blocking
Blocking reinforcement required to prevent buckling of members over the bearings:
Bearing 1 located at 0.0' (blocking >= 11930.41" if used)

Additional Notes
Provide for complete drainage of roof.
Truss must be installed as shown with top chord up.

07/23/24
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