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Alpine, an ITW Company
 6750 Forum Drive, Suite 305
 Orlando, FL 32821
 Phone: (800)755-6001
 www.alpineitw.com

COA #0 278
 05/12/2021



Site Information:	Page 1:
Customer: Seminole Trusses, Inc.	Job Number: B53547a
Job Description: Stevens Res	
Address: hwy 247 Forest Country, Lake City, FL	

Job Engineering Criteria:	
Design Code: FBC 7th Ed. 2020 Res	IntelliVIEW Version: 20.02.00A through 21.01.00A JRef #: 1X5c8570001
Wind Standard: ASCE 7-16 Wind Speed (mph): 140	Design Loading (psf): 37.00
Building Type: Closed	

This package contains general notes pages, 49 truss drawing(s) and 7 detail(s).

Item	Drawing Number	Truss
1	132.21.0927.54545	CJ1
3	132.21.0927.53857	CJ2A
5	132.21.0927.53577	CJ3A
7	132.21.0927.53764	CJ4
9	132.21.0927.53639	CJ5
11	132.21.0927.53702	CJ6
13	132.21.0927.54265	CJ6B
15	132.21.0927.53498	CJ9
17	132.21.0927.54498	EJ8
19	132.21.0948.13987	EJ8B
21	132.21.0927.54140	GE2
23	132.21.0927.54186	GE4
25	132.21.0927.53796	H17A
27	132.21.0952.55323	HJ11
29	132.21.0954.34003	HJ9
31	132.21.0927.53951	MH1
33	132.21.0927.53545	MH3
35	132.21.0927.53889	MH5
37	132.21.0927.53952	S2
39	132.21.0927.54357	S4
41	132.21.0927.54296	S6
43	132.21.0927.53967	S8
45	132.21.0927.54092	T-1
47	132.21.0927.54061	T-3
49	132.21.0953.37233	HG11A

Item	Drawing Number	Truss
2	132.21.0927.54093	CJ2
4	132.21.0927.53515	CJ3
6	132.21.0927.54529	CJ3B
8	132.21.0927.53873	CJ4A
10	132.21.0927.54436	CJ5A
12	132.21.0927.53921	CJ6A
14	132.21.0927.53843	CJ7
16	132.21.0927.53717	CJ9A
18	132.21.0927.54326	EJ8A
20	132.21.0927.54342	GE1
22	132.21.0927.54123	GE3
24	132.21.0927.53749	H14A
26	132.21.0927.54279	H19A
28	132.21.0949.20390	HJ13
30	132.21.0927.54468	M1
32	132.21.0927.54310	MH2
34	132.21.0927.54170	MH4
36	132.21.0927.53623	S1
38	132.21.0927.54249	S3
40	132.21.0927.53576	S5
42	132.21.0927.53516	S7
44	132.21.0927.53718	SG1
46	132.21.0927.54062	T-2
48	132.21.0948.11867	EJ8C
50	160TL	



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Job Description: Stevens Res	
Address: hwy 247 Forest Country, Lake City, FL	

Item	Drawing Number	Truss
51	A14015ENC160118	
53	GBLLETIN0118	
55	PB180160118	

Item	Drawing Number	Truss
52	CNNAILSP1014	
54	PB160160118	
56	REPCHRD1014	

General Notes

Truss Design Engineer Scope of Work, Design Assumptions and Design Responsibilities:

The design responsibilities assumed in the preparation of these design drawings are those specified in ANSI/TPI 1, Chapter 2; and the National Design Standard for Metal Plate Connected Wood Truss Construction, by the Truss Plate Institute. The truss component designs conform to the applicable provisions of ANSI/TPI 1 and NDS, the National Design Specification for Wood Construction by AWC. The truss component designs are based on the specified loading and dimension information furnished by others to the Truss Design Engineer. The Truss Design Engineer has no duty to independently verify the accuracy or completeness of the information provided by others and may rely on that information without liability. The responsibility for verification of that information remains with others neither employed nor controlled by the Truss Design Engineer. The Truss Design Engineer's seal and signature on the attached drawings, or cover page listing these drawings, indicates acceptance of professional engineering responsibility solely for the truss component designs and not for the technical information furnished by others which technical information and consequences thereof remain their sole responsibility.

The suitability and use of these drawings for any particular structure is the responsibility of the Building Designer in accordance with ANSI/TPI 1 Chapter 2. The Building Designer is responsible for determining that the dimensions and loads for each truss component match those required by the plans and by the actual use of the individual component, and for ascertaining that the loads shown on the drawings meet or exceed applicable building code requirements and any additional factors required in the particular application. Truss components using metal connector plates with integral teeth shall not be placed in environments that will cause the moisture content of the wood in which plates are embedded to exceed 19% and/or cause corrosion of connector plates and other metal fasteners.

The Truss Design Engineer shall not be responsible for items beyond the specific scope of the agreed contracted work set forth herein, including but not limited to: verifying the dimensions of the truss component, calculation of any of the truss component design loads, inspection of the truss components before or after installation, the design of temporary or permanent bracing and their attachment required in the roof and/or floor systems, the design of diaphragms or shear walls, the design of load transfer connections to and from diaphragms and shear walls, the design of load transfer to the foundation, the design of connections for truss components to their bearing supports, the design of the bearing supports, installation of the truss components, observation of the truss component installation process, review of truss assembly procedures, sequencing of the truss component installation, construction means and methods, site and/or worker safety in the installation of the truss components and/or its connections.

This document may be a high quality facsimile of the original engineering document which is a digitally signed electronic file with third party authentication. A wet or embossed seal copy of this engineering document is available upon request.

Temporary Lateral Restraint and Bracing:

Temporary lateral restraint and diagonal bracing shall be installed according to the provisions of BCSI chapters B1, B2, B7 and/or B10 (Building Component Safety Information, by TPI and SBCA), or as specified by the Building Designer or other Registered Design Professional. The required locations for lateral restraint and/or bracing depicted on these drawings are only for the permanent lateral support of the truss members to reduce buckling lengths, and do not apply to and may not be relied upon for the temporary stability of the truss components during their installation.

Permanent Lateral Restraint and Bracing:

The required locations for lateral restraint or bracing depicted on these drawings are for the permanent lateral support of the truss members to reduce buckling lengths. Permanent lateral support shall be installed according to the provisions of BCSI chapters B3, B7 and/or B10, or as specified by the Building Designer or other Registered Design Professional. These drawings do not depict or specify installation/erection bracing, wind bracing, portal bracing or similar building stability bracing which are parts of the overall building design to be specified, designed and detailed by the Building Designer.

Connector Plate Information:

Alpine connector plates are made of ASTM A653 or ASTM A1063 galvanized steel with the following designations, gauges and grades: W=Wave, 20ga, grade 40; H=High Strength, 20ga, grade 60; S=Super Strength, 18ga, grade 60. Information on model code compliance is contained in the ICC Evaluation Service report ESR-1118, available on-line at www.icc-es.org.

Fire Retardant Treated Lumber:

Fire retardant treated lumber must be properly re-dried and maintained below 19% or less moisture level through all stages of construction and usage. Fire retardant treated lumber may be more brittle than untreated lumber. Special handling care must be taken to prevent breakage during all handling activities.

General Notes (continued)

Key to Terms:

Information provided on drawings reflects a summary of the pertinent information required for the truss design. Detailed information on load cases, reactions, member lengths, forces and members requiring permanent lateral support may be found in calculation sheets available upon written request.

BCDL = Bottom Chord standard design Dead Load in pounds per square foot.

BCLL = Bottom Chord standard design Live Load in pounds per square foot.

CL = Certified lumber.

Des Ld = total of TCLL, TCDL, BCLL and BCDL Design Load in pounds per square foot.

FRT = Fire Retardant Treated lumber.

FRT-DB = D-Blaze Fire Retardant Treated lumber.

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

FRT-PG = PYRO-GUARD Fire Retardant Treated lumber.

g = green lumber.

HORZ(LL) = maximum Horizontal panel point deflection due to Live Load, in inches.

HORZ(TL) = maximum Horizontal panel point long term deflection in inches, due to Total Load, including creep adjustment.

HPL = additional Horizontal Load added to a truss Piece in pounds per linear foot or pounds.

Ic = Incised lumber.

FJ = Finger Jointed lumber.

L/# = user specified divisor for limiting span/deflection ratio for evaluation of actual L/defl value.

L/defl = ratio of Length between bearings, in inches, divided by the vertical Deflection due to creep, in inches, at the referenced panel point. Reported as 999 if greater than or equal to 999.

Loc = Location, starting location of left end of bearing or panel point (joint) location of deflection.

Max BC CSI = Maximum bending and axial Combined Stress Index for Bottom Chords for of all load cases.

Max TC CSI = Maximum bending and axial Combined Stress Index for Top Chords for of all load cases.

Max Web CSI = Maximum bending and axial Combined Stress Index for Webs for of all load cases.

NCBCLL = Non-Concurrent Bottom Chord design Live Load in pounds per square foot.

PL = additional Load applied at a user specified angle on a truss Piece in pounds per linear foot or pounds.

PLB = additional vertical load added to a Bottom chord Piece of a truss in pounds per linear foot or pounds

PLT = additional vertical load added to a Top chord Piece of a truss in pounds per linear foot or pounds.

PP = Panel Point.

R = maximum downward design Reaction, in pounds, from all specified gravity load cases, at the indicated location (Loc).

-R = maximum upward design Reaction, in pounds, from all specified gravity load cases, at the identified location (Loc).

Rh = maximum horizontal design Reaction in either direction, in pounds, from all specified gravity load cases, at the indicated location (Loc).

RL = maximum horizontal design Reaction in either direction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).

Rw = maximum downward design Reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the identified location (Loc).

TCDL = Top Chord standard design Dead Load in pounds per square foot.

TCLL = Top Chord standard design Live Load in pounds per square foot.

U = maximum Upward design reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).

VERT(CL) = maximum Vertical panel point deflection in inches due to Live Load and Creep Component of Dead Load in inches.

VERT(CTL) = maximum Vertical panel point deflection ratios due to Live Load and Creep Component of Dead Load, and maximum long term Vertical panel point deflection in inches due to Total load, including creep adjustment.

VERT(LL) = maximum Vertical panel point deflection in inches due to Live Load.

VERT(TL) = maximum Vertical panel point long term deflection in inches due to Total load, including creep adjustment.

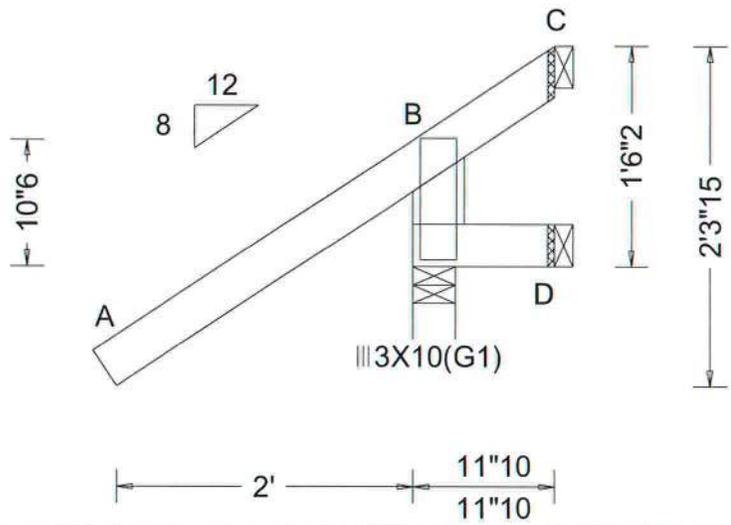
W = Width of non-hanger bearing, in inches.

Refer to ASCE-7 for Wind and Seismic abbreviations.

Uppercase Acronyms not explained above are as defined in TPI 1.

References:

1. AWC: American Wood Council; 222 Catoclin Circle SE, Suite 201; Leesburg, VA 20175; www.awc.org.
2. ICC: International Code Council; www.iccsafe.org.
3. Alpine, a division of ITW Building Components Group Inc.: 514 Earth City Expressway, Suite 242, Earth City, MO 63045; www.alpineitw.com.
4. TPI: Truss Plate Institute, 2670 Crain Highway, Suite 203, Waldorf, MD 20601; www.tpinst.org.
5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www.sbcindustry.com.



Loading Criteria (psf) TCCL: 20.00 TCCL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/0(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.002 C - - HORZ(TL): 0.004 C - - Creep Factor: 2.0 Max TC CSI: 0.518 Max BC CSI: 0.032 Max Web CSI: 0.000 VIEW Ver: 20.02.00A.1020.20	▲ Maximum Reactions (lbs)																																			
				<table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>303</td> <td>/-</td> <td>/-</td> <td>/271</td> <td>/115</td> <td>/72</td> </tr> <tr> <td>D</td> <td>11</td> <td>/-14</td> <td>/-</td> <td>/9</td> <td>/4</td> <td>/-</td> </tr> <tr> <td>C</td> <td>-</td> <td>/-87</td> <td>/-</td> <td>/70</td> <td>/111</td> <td>/-</td> </tr> </tbody> </table>		Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	B	303	/-	/-	/271	/115	/72	D	11	/-14	/-	/9	/4	/-	C	-	/-87	/-	/70	/111	/-
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C	-	/-87	/-	/70	/111	/-																																	

Lumber
 Top chord: 2x4 SP #1;
 Bot chord: 2x4 SP #1;
 Lt Stub Wedge: 2x6 SP #1;

Plating Notes
 Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC	44	-2.08	0.97
BC	12	0.00	0.97

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

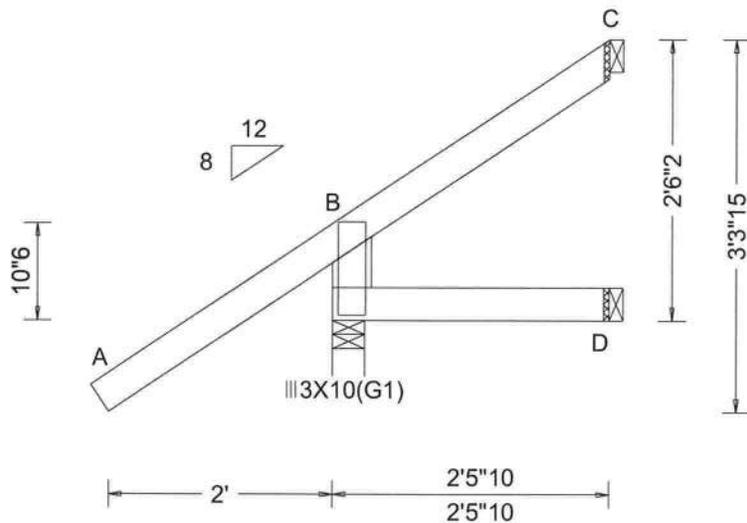
Wind
 Wind loads based on MWFRS with additional C&C member design.
 Wind loading based on both gable and hip roof types.



****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**
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 For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org



SEQN: 64505 / FROM: RNB	JACK Qty: 3	Ply: 1 Qty: 3	Job Number: B53547a Stevens Res Truss Label: CJ2	Cust: R 857 JRef: 1X5c8570001 T21 DrwNo: 132.21.0927.54093 SSB / DF 05/12/2021
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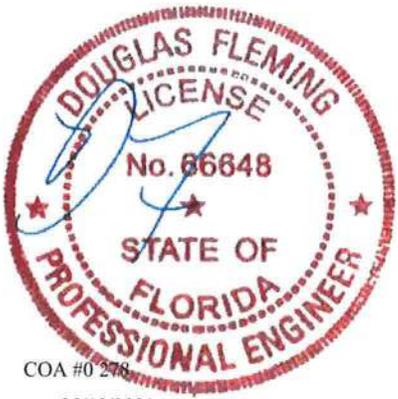
Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpI: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/0(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.003 C - - HORZ(TL): 0.005 C - - Creep Factor: 2.0 Max TC CSI: 0.403 Max BC CSI: 0.043 Max Web CSI: 0.000	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 277 /- /- /223 /62 /113 D 43 /- /- /27 /- /- C 27 /- /- /39 /44 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B Fcperp = 425psi. Members not listed have forces less than 375#
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Lumber
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Lt Stub Wedge: 2x6 SP #1;

Plating Notes
Plates sized for a minimum of 3.50 sq.in./piece.

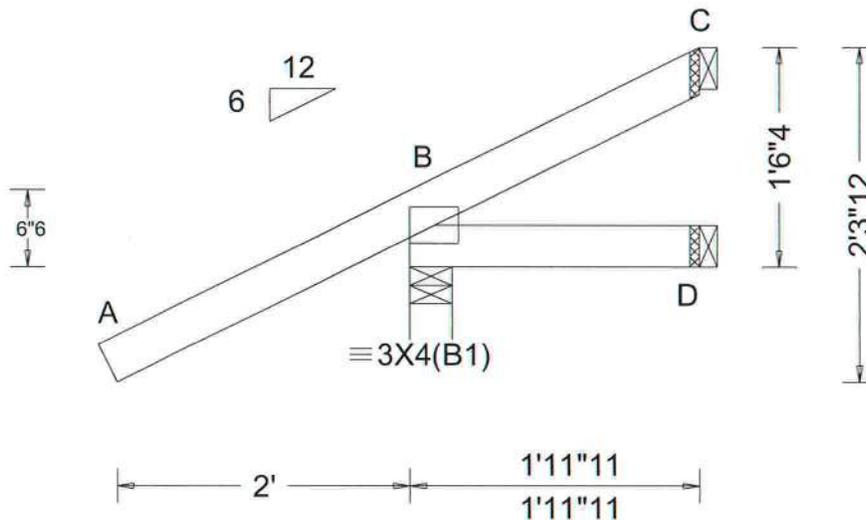
Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:
Chord Spacing(in oc) Start(ft) End(ft)
TC 66 -2.08 2.47
BC 30 0.00 2.47
Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.



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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/0(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.001 C - - HORZ(TL): 0.002 C - - Creep Factor: 2.0 Max TC CSI: 0.476 Max BC CSI: 0.072 Max Web CSI: 0.000	▲ Maximum Reactions (lbs)																																
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Loc	Gravity			Non-Gravity																																
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D	32	-	-	/20	/2	-																														
C	-	-7	-	/42	/42	-																														

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;

Plating Notes

Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC	54	-2.07	1.97
BC	22	0.17	1.97

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

Wind

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

Wind loading based on both gable and hip roof types.



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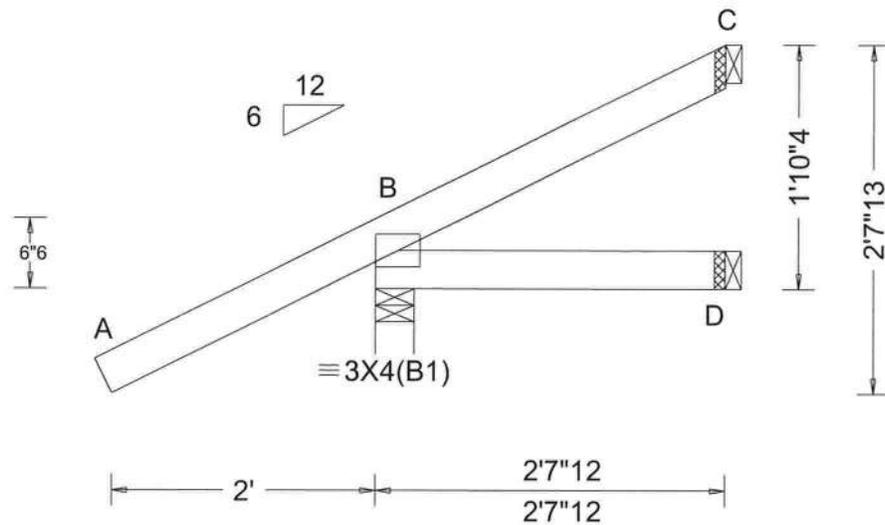
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SEQN: 64548 / FROM: RNB	JACK Qty: 1	Ply: 1 Qty: 1	Job Number: B53547a Stevens Res Truss Label: CJ3	Cust: R 857 JRef: 1X5c8570001 T24 DrwNo: 132.21.0927.53515 SSB / DF 05/12/2021
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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg.Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/0(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.001 C - - HORZ(TL): 0.002 C - - Creep Factor: 2.0 Max TC CSI: 0.476 Max BC CSI: 0.071 Max Web CSI: 0.000 VIEW Ver: 20.02.00A.1020.20	▲ Maximum Reactions (lbs) <table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>282</td> <td>-</td> <td>-</td> <td>/227</td> <td>/86</td> <td>/88</td> </tr> <tr> <td>D</td> <td>45</td> <td>-</td> <td>-</td> <td>/24</td> <td>-</td> <td>-</td> </tr> <tr> <td>C</td> <td>27</td> <td>-</td> <td>-</td> <td>/34</td> <td>/32</td> <td>-</td> </tr> </tbody> </table> Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B Fcperp = 425psi. Members not listed have forces less than 375#	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	B	282	-	-	/227	/86	/88	D	45	-	-	/24	-	-	C	27	-	-	/34	/32	-
Loc	Gravity			Non-Gravity																																		
	R+	/R-	/Rh	/Rw	/U	/RL																																
B	282	-	-	/227	/86	/88																																
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Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;

Plating Notes

Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC	63	-2.07	2.65
BC	30	0.17	2.65

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

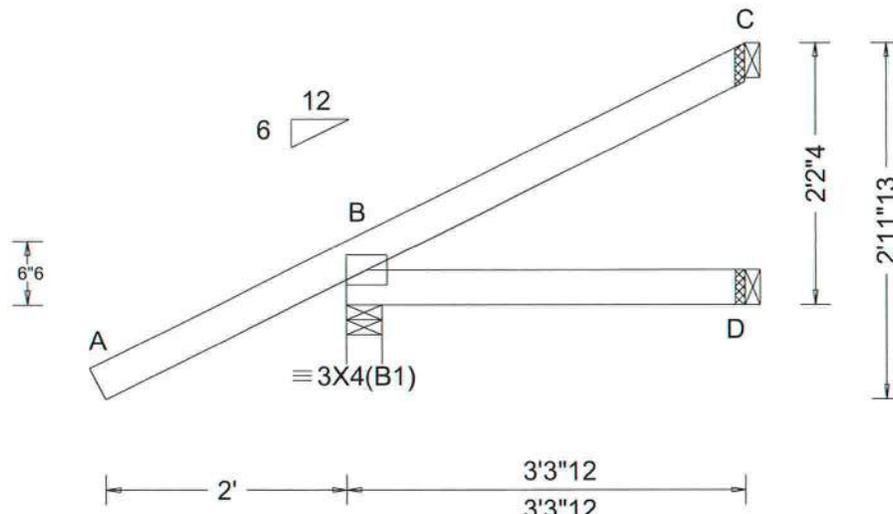
Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.



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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/0(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.002 D - - HORZ(TL): 0.002 D - - Creep Factor: 2.0 Max TC CSI: 0.480 Max BC CSI: 0.070 Max Web CSI: 0.000 VIEW Ver: 20.02.00A.1020.20	▲ Maximum Reactions (lbs)																																
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Wind reactions based on MWFRS
 B Brg Width = 3.5 Min Req = 1.5
 D Brg Width = 1.5 Min Req = -
 C Brg Width = 1.5 Min Req = -
 Bearing B Fcperp = 425psi.
 Members not listed have forces less than 375#

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

Plating Notes
 Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC	72	-2.07	3.31
BC	38	0.17	3.31

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

Wind
 Wind loads based on MWFRS with additional C&C member design.
 Wind loading based on both gable and hip roof types.



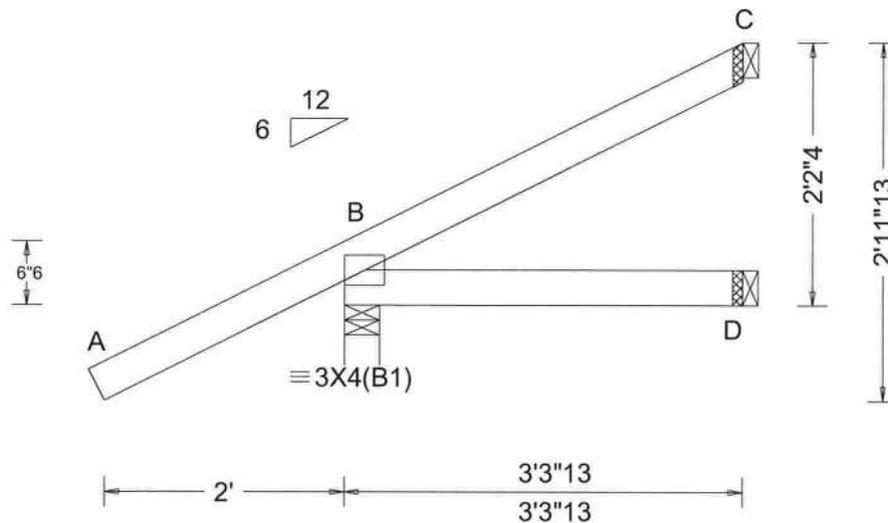
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SEQN: 64523 / FROM: RNB	JACK Qty: 1	Ply: 1 Qty: 1	Job Number: B53547a Stevens Res Truss Label: CJ3B	Cust: R 857 JRef: 1X5c8570001 T55 DrwNo: 132.21.0927.54529 SSB / DF 05/12/2021
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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/0(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.002 D - - HORZ(TL): 0.002 D - - Creep Factor: 2.0 Max TC CSI: 0.480 Max BC CSI: 0.070 Max Web CSI: 0.000 VIEW Ver: 20.02.00A.1020.20	▲ Maximum Reactions (lbs) Gravity Loc R+ /R- /Rh /Rw /U /RL Non-Gravity B 296 /- /- /232 /84 /102 D 59 /- /- /31 /- /- C 55 /- /- /31 /49 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B Fcperp = 425psi. Members not listed have forces less than 375#
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Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;

Plating Notes

Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC	72	-2.07	3.32
BC	38	0.17	3.32

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

Wind

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

Wind loading based on both gable and hip roof types.



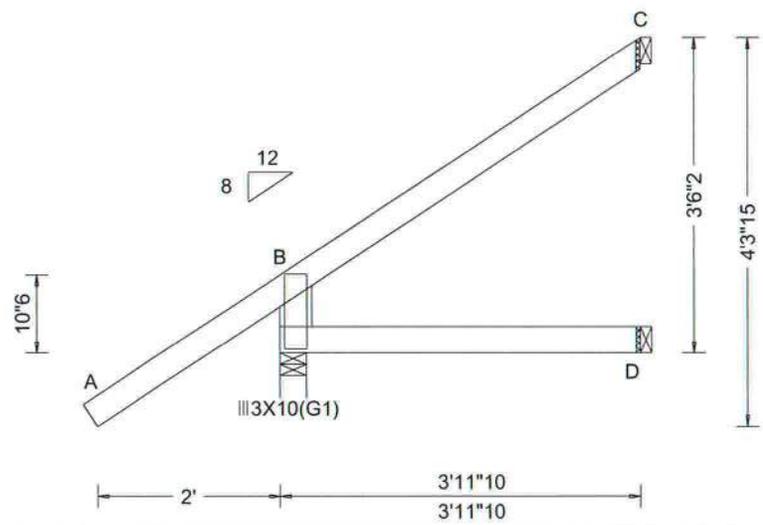
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Loc	Gravity			Non-Gravity																															
	R+	/R-	/Rh	/Rw	/U	/RL																													
B	314	/-	/-	/238	/48	/154																													
D	73	/-	/-	/42	/-	/-																													
C	84	/-	/-	/60	/84	/-																													

Lumber
 Top chord: 2x4 SP #1;
 Bot chord: 2x4 SP #1;
 Lt Stub Wedge: 2x6 SP #1;

Plating Notes
 Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC	75	-2.08	3.97
BC	48	0.00	3.97

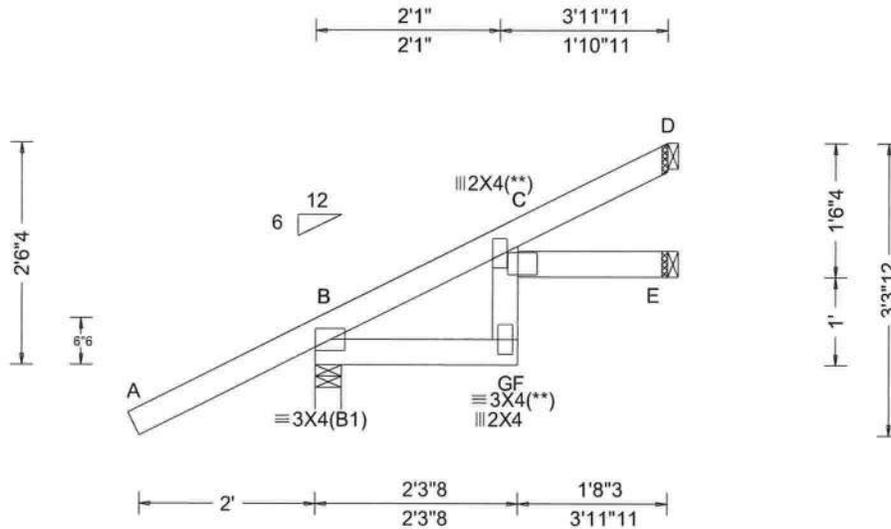
Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

Wind
 Wind loads based on MWFRS with additional C&C member design.
 Wind loading based on both gable and hip roof types.



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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
Loc	R+	/R-	/Rh	/Rw	/U	/RL				
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	B	313	-	-	/240	/83	/116
TCDL: 7.00	Speed: 140 mph	Pf: NA Ce: NA	VERT(LL): 0.012 F 999 360	E	40	-	-	/22	-	-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.021 F 999 240	D	89	-	-	/53	/51	-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.007 C - -	Wind reactions based on MWFRS						
Des Ld: 37.00	EXP: C Kzt: NA	Building Code:	HORZ(TL): 0.012 C - -	B Brg Width = 3.5			Min Req = 1.5			
NCBCLL: 10.00	Mean Height: 15.00 ft	FBC 7th Ed. 2020 Res.	Creep Factor: 2.0	E Brg Width = 1.5			Min Req = -			
Soffit: 2.00	TCDL: 4.2 psf	TPI Std: 2014	Max TC CSI: 0.316	D Brg Width = 1.5			Min Req = -			
Load Duration: 1.25	BCDL: 6.0 psf	Rep Fac: Yes	Max BC CSI: 0.046	Bearing B Fcperp = 425psi.						
Spacing: 24.0"	MWFRS Parallel Dist: 0 to h/2	FT/RT: 20(0)/0(0)	Max Web CSI: 0.058	Members not listed have forces less than 375#						
	C&C Dist a: 3.00 ft	Plate Type(s):	VIEW Ver: 20.02.00A.1020.20							
	Loc. from endwall: not in 4.50 ft	WAVE								
	GCpi: 0.18									
	Wind Duration: 1.60									

Lumber

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

Plating Notes

(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.
Plates sized for a minimum of 3.50 sq.in./piece.

Purlins

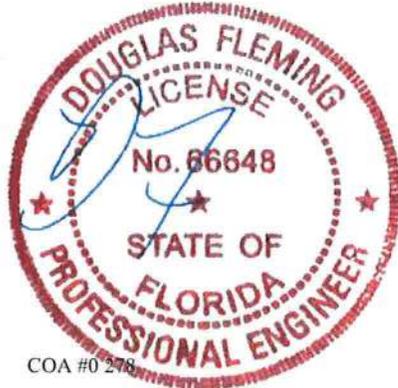
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Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	75	-2.07	3.97
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BC	20	2.29	3.97

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

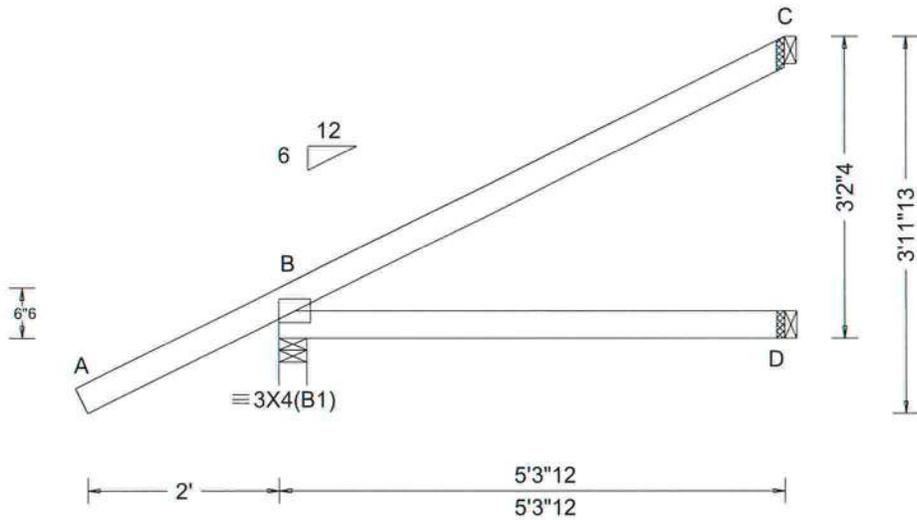
Wind

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B	355	/-	/-	/262	/85	/143																												
D	98	/-	/-	/51	/-	/-																												
C	120	/-	/-	/70	/92	/-																												

Wind reactions based on MWFRS
 B Brg Width = 3.5 Min Req = 1.5
 D Brg Width = 1.5 Min Req = -
 C Brg Width = 1.5 Min Req = -
 Bearing B Fcperp = 425psi.
 Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
 Bot chord: 2x4 SP #1;

Plating Notes

Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC	75	-2.07	5.31
BC	62	0.17	5.31

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

Wind

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

Wind loading based on both gable and hip roof types.



COA #0 278

05/12/2021

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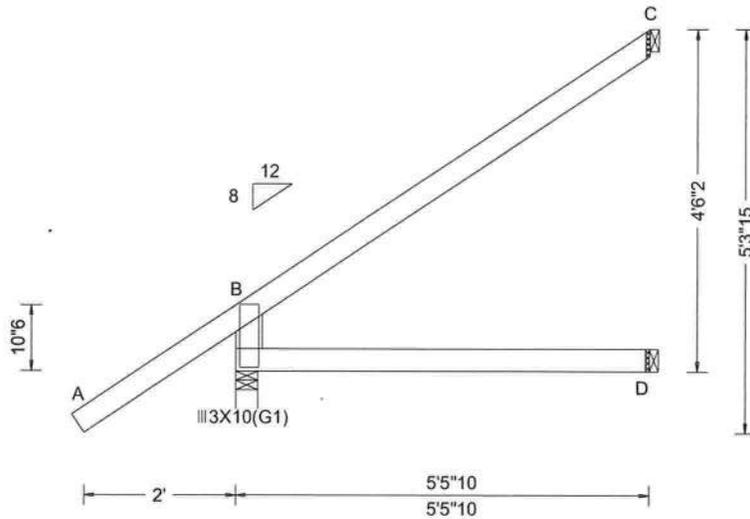
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6750 Forum Drive
 Suite 305
 Orlando FL, 32821

SEQN: 64509 / FROM: RNB	JACK Ply: 1 Qty: 2	Job Number: B53547a Slevens Res Truss Label: CJ5A	Cust: R 857 JRef: 1X5c8570001 T52 DrwNo: 132.21.0927.54436 SSB / DF 05/12/2021
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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/0(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.015 C - - HORZ(TL): 0.018 C - - Creep Factor: 2.0 Max TC CSI: 0.521 Max BC CSI: 0.231 Max Web CSI: 0.000 VIEW Ver: 20.02.00A.1020.20	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 363 /- /- /264 /45 /195 D 102 /- /- /57 /- /- C 130 /- /- /97 /120 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B Fcperp = 425psi. Members not listed have forces less than 375#
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Lumber
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Lt Stub Wedge: 2x6 SP #1;

Plating Notes
Plates sized for a minimum of 3.50 sq.in./piece.

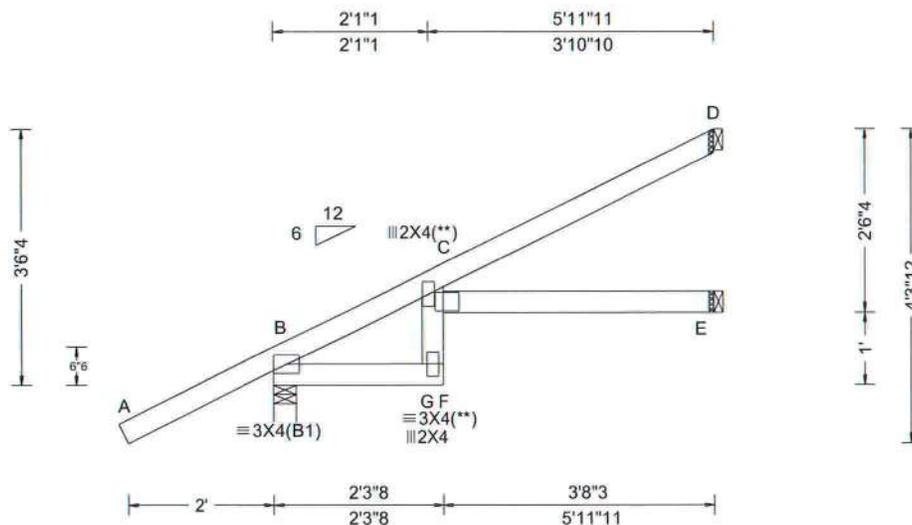
Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:
Chord Spacing(in oc) Start(ft) End(ft)
TC 75 -2.08 5.47
BC 66 0.00 5.47
Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.



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Loading Criteria (psf) TCCL: 20.00 TCCL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/0(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.078 F 904 360 VERT(CL): 0.140 F 505 240 HORZ(LL): 0.044 C - - HORZ(TL): 0.078 C - - Creep Factor: 2.0 Max TC CSI: 0.442 Max BC CSI: 0.143 Max Web CSI: 0.157 VIEW Ver: 20.02.00A.1020.20	▲ Maximum Reactions (lbs)																														
				<table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>377</td> <td>/-</td> <td>/-</td> <td>/275</td> <td>/86</td> <td>/157</td> </tr> <tr> <td>E</td> <td>82</td> <td>/-</td> <td>/-</td> <td>/44</td> <td>/-</td> <td>/-</td> </tr> <tr> <td>D</td> <td>150</td> <td>/-</td> <td>/-</td> <td>/95</td> <td>/95</td> <td>/-</td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	B	377	/-	/-	/275	/86	/157	E	82	/-	/-	/44	/-	/-	D	150	/-
Loc	Gravity			Non-Gravity																														
	R+	/R-	/Rh	/Rw	/U	/RL																												
B	377	/-	/-	/275	/86	/157																												
E	82	/-	/-	/44	/-	/-																												
D	150	/-	/-	/95	/95	/-																												

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

Plating Notes
 (**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.
 Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC	75	-2.07	5.97
BC	25	0.17	2.29
BC	44	2.29	5.97

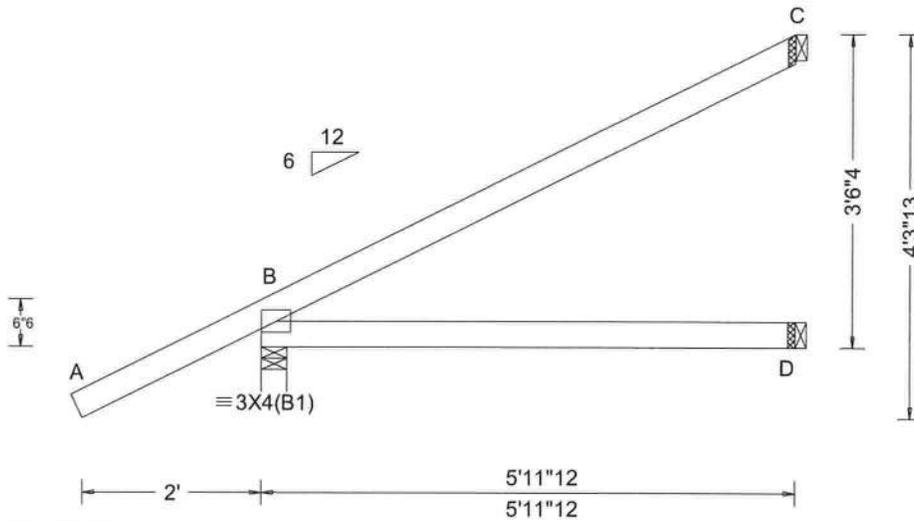
Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

Wind
 Wind loads based on MWFRS with additional C&C member design.
 Wind loading based on both gable and hip roof types.



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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
Loc	R+	/R-	/Rh	/Rw	/U	/RL				
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	B	377	-	-	/275	/86	/157
TCDL: 7.00	Speed: 140 mph	Pf: NA Ce: NA	VERT(LL): NA	D	110	-	-	/58	-	-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	C	139	-	-	/84	/105	-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.004 D - -	Wind reactions based on MWFRS						
Des Ld: 37.00	EXP: C Kzt: NA	Building Code:	HORZ(TL): 0.007 D - -	B	Brg Width = 3.5		Min Req = 1.5			
NCBCLL: 10.00	Mean Height: 15.00 ft	FBC 7th Ed. 2020 Res.	Creep Factor: 2.0	D	Brg Width = 1.5		Min Req = -			
Soffit: 2.00	TCDL: 4.2 psf	TPI Std: 2014	Max TC CSI: 0.483	C	Brg Width = 1.5		Min Req = -			
Load Duration: 1.25	BCDL: 6.0 psf	Rep Fac: Yes	Max BC CSI: 0.272	Bearing B Fcperp = 425psi.						
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	FT/RT: 20(0)/0(0)	Max Web CSI: 0.000	Members not listed have forces less than 375#						
	C&C Dist a: 3.00 ft	Plate Type(s):	VIEW Ver: 20.02.00A.1020.20							
	Loc. from endwall: not in 4.50 ft	WAVE								
	GCPi: 0.18									
	Wind Duration: 1.60									

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;

Plating Notes

Plates sized for a minimum of 3.50 sq.in./piece.

Purlins

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

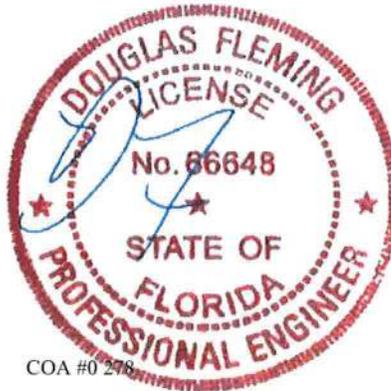
Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	75	-2.07	5.98
BC	70	0.17	5.98

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

Wind

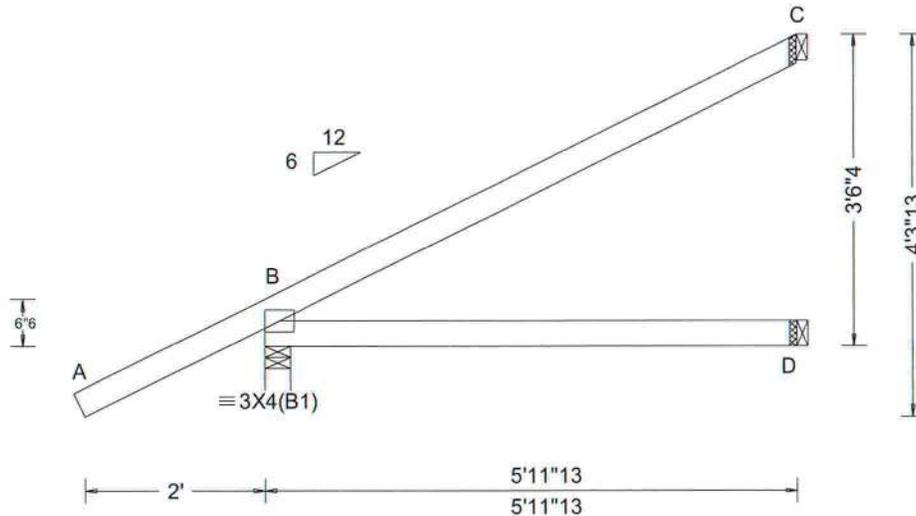
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.



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Loading Criteria (psf) TCCL: 20.00 TCCL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/0(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.004 D - - HORZ(TL): 0.007 D - - Creep Factor: 2.0 Max TC CSI: 0.483 Max BC CSI: 0.272 Max Web CSI: 0.000 VIEW Ver: 20.02.00A.1020.20	▲ Maximum Reactions (lbs)																														
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Loc	Gravity			Non-Gravity																														
	R+	/R-	/Rh	/Rw	/U	/RL																												
B	377	-	-	/275	/86	/157																												
D	110	-	-	/58	-	-																												
C	139	-	-	/84	/105	-																												

Lumber

Top chord: 2x4 SP #1;
 Bot chord: 2x4 SP #1;

Plating Notes

Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC	75	-2.07	5.98
BC	70	0.17	5.98

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

Wind

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

Wind loading based on both gable and hip roof types.



COA #0 278

05/12/2021

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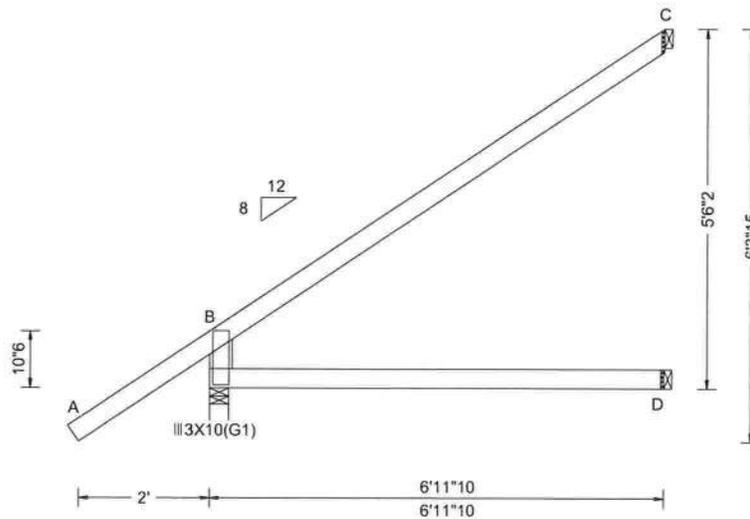
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6750 Forum Drive
 Suite 305
 Orlando FL, 32821



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
Loc	R+	/R-	/Rh	/Rw	/U	/RL				
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	B	415	-	-	/294	/43	/236
TCDL: 7.00	Speed: 140 mph	Pf: NA Ce: NA	VERT(LL): NA	D	131	-	-	/75	-	-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	C	173	-	-	/131	/153	-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.031 C - -	Wind reactions based on MWFRS						
Des Ld: 37.00	EXP: C Kzt: NA	Building Code:	HORZ(TL): 0.047 D - -	B	Brg Width = 3.5			Min Req = 1.5		
NCBCLL: 10.00	Mean Height: 15.00 ft	FBC 7th Ed. 2020 Res.	Creep Factor: 2.0	D	Brg Width = 1.5			Min Req = -		
Soffit: 2.00	TCDL: 4.2 psf	TPI Std: 2014	Max TC CSI: 0.809	C	Brg Width = 1.5			Min Req = -		
Load Duration: 1.25	BCDL: 6.0 psf	Rep Fac: Yes	Max BC CSI: 0.390	Bearing B Fcperp = 425psi.						
Spacing: 24.0"	MWFRS Parallel Dist: h/2 to h	FT/RT:20(0)/0(0)	Max Web CSI: 0.000	Members not listed have forces less than 375#						
	C&C Dist a: 3.00 ft	Plate Type(s):	VIEW Ver: 20.02.00A.1020.20							
	Loc. from endwall: not in 9.00 ft	WAVE								
	GCpi: 0.18									
	Wind Duration: 1.60									

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Lt Stub Wedge: 2x6 SP #1;

Plating Notes

Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC	75	-2.08	6.97
BC	84	0.00	6.97

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

Wind

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

Wind loading based on both gable and hip roof types.



COA #0 278
05/12/2021

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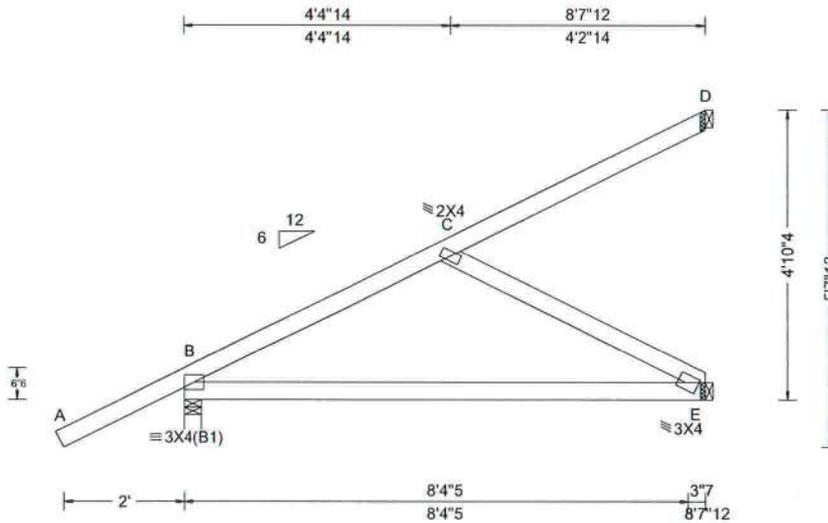
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 64520 / FROM: RNB	JACK Qty: 1	Ply: 1 Job Number: B53547a Stevens Res Truss Label: CJ9	Cust: R857 JRef: 1X5c8570001 T45 DrwNo: 132.21.0927.53498 SSB / DF 05/12/2021
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Loading Criteria (psf) TCCL: 20.00 TCCL: 7.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/0(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): -0.008 C 999 360 VERT(CL): -0.012 C 999 240 HORZ(LL): -0.005 E - - HORZ(TL): 0.011 E - - Creep Factor: 2.0 Max TC CSI: 0.439 Max BC CSI: 0.516 Max Web CSI: 0.142 VIEW Ver: 20.02.00A.1020.20	▲ Maximum Reactions (lbs)																																			
				<table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>467</td> <td>/-</td> <td>/-</td> <td>/327</td> <td>/94</td> <td>/212</td> </tr> <tr> <td>E</td> <td>212</td> <td>/-</td> <td>/-</td> <td>/159</td> <td>/50</td> <td>/-</td> </tr> <tr> <td>D</td> <td>100</td> <td>/-</td> <td>/-</td> <td>/63</td> <td>/75</td> <td>/-</td> </tr> </tbody> </table>		Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	B	467	/-	/-	/327	/94	/212	E	212	/-	/-	/159	/50	/-	D	100	/-	/-	/63	/75	/-
Loc	Gravity			Non-Gravity																																			
	R+	/R-	/Rh	/Rw	/U	/RL																																	
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E	212	/-	/-	/159	/50	/-																																	
D	100	/-	/-	/63	/75	/-																																	

Lumber

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

Plating Notes

Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC	75	-2.07	8.65
BC	75	0.17	8.48

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

Wind

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

Wind loading based on both gable and hip roof types.



05/12/2021

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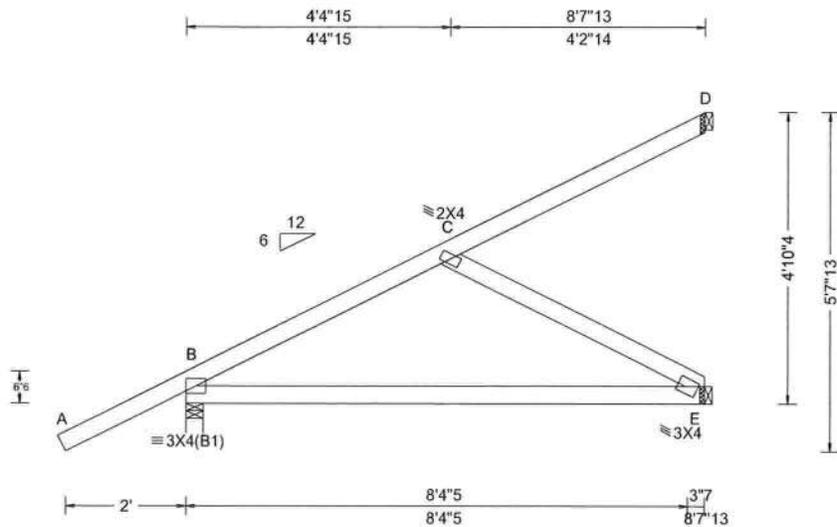
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6750 Forum Drive
 Suite 305
 Orlando FL, 32821



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp1: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/0(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): -0.008 C 999 360 VERT(CL): -0.012 C 999 240 HORZ(LL): -0.004 E - - HORZ(TL): 0.010 E - - Creep Factor: 2.0 Max TC CSI: 0.450 Max BC CSI: 0.515 Max Web CSI: 0.142 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 467 /- /- /328 /94 /212 E 212 /- /- /159 /50 /- D 100 /- /- /63 /75 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 E Brg Width = 1.5 Min Req = - D Brg Width = 1.5 Min Req = - Bearing B Fcperp = 425psi. Members not listed have forces less than 375#

Lumber

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

Plating Notes

Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC	75	-2.07	8.65
BC	75	0.17	8.49

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

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.



05/12/2021

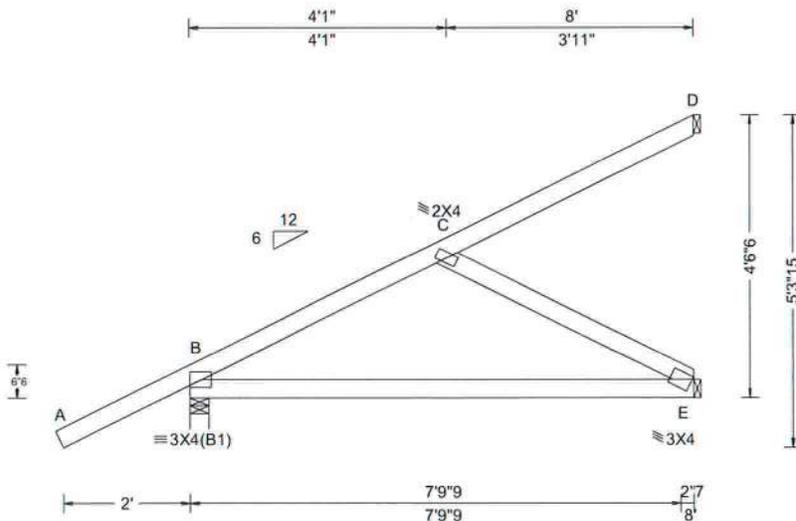
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SEQN: 64544 / FROM: RNB	EJAC Qty: 4	Ply: 1 Qty: 4	Job Number: B53547a Stevens Res Truss Label: EJ8	Cust: R 857 JRef: 1X5c8570001 T32 DrwNo: 132.21.0927.54498 SSB / DF 05/12/2021
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Loading Criteria (psf) TCCL: 20.00 TCCL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/0(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): -0.006 C 999 360 VERT(CL): -0.009 C 999 240 HORZ(LL): -0.004 E - - HORZ(TL): 0.008 E - - Creep Factor: 2.0 Max TC CSI: 0.336 Max BC CSI: 0.442 Max Web CSI: 0.111 VIEW Ver: 20.02.00A.1020.20	▲ Maximum Reactions (lbs)																													
				<table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="2">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U /RL</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>444</td> <td>-</td> <td>-</td> <td>/314</td> <td>/92 /198</td> </tr> <tr> <td>E</td> <td>194</td> <td>-</td> <td>-</td> <td>/143</td> <td>/44 -</td> </tr> <tr> <td>D</td> <td>94</td> <td>-</td> <td>-</td> <td>/60</td> <td>/70 -</td> </tr> </tbody> </table> <p>Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 E Brg Width = 1.5 Min Req = - D Brg Width = 1.5 Min Req = - Bearing B Fcperp = 425psi. Members not listed have forces less than 375#</p>					Loc	Gravity			Non-Gravity		R+	R-	/Rh	/Rw	/U /RL	B	444	-	-	/314	/92 /198	E	194	-	-	/143	/44 -	D	94
Loc	Gravity			Non-Gravity																													
	R+	R-	/Rh	/Rw	/U /RL																												
B	444	-	-	/314	/92 /198																												
E	194	-	-	/143	/44 -																												
D	94	-	-	/60	/70 -																												

Lumber

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

Plating Notes

Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC	75	-2.07	8.00
BC	75	0.17	7.84

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

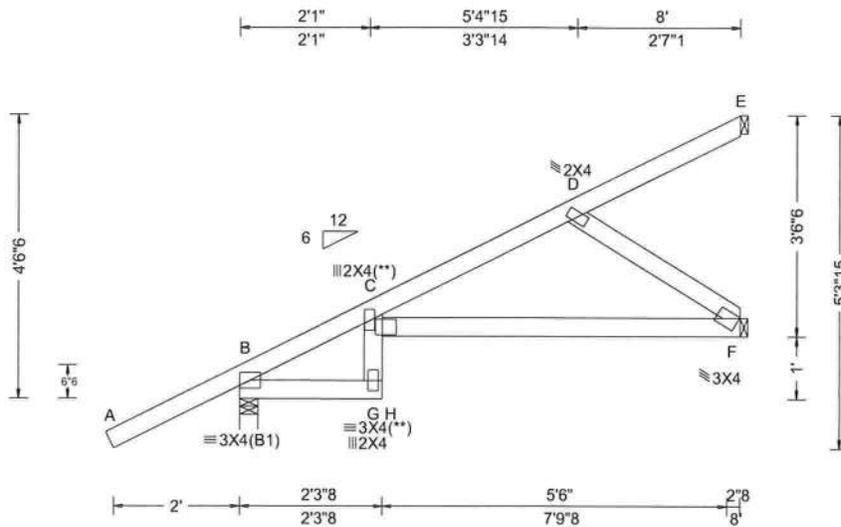
Wind

Wind loads based on MWFRS with additional C&C member design.
 Wind loading based on both gable and hip roof types.



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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
Loc	R+	/R-	/Rh	/Rw	/U	/RL				
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	B	443	-	-	/313	/41	/143
TCDL: 7.00	Speed: 140 mph	Pf: NA Ce: NA	VERT(LL): 0.077 G 999 360	F	261	-	-	/188	/42	-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.129 G 736 240	E	33	-20	-	/15	/20	-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.043 C - -	Wind reactions based on MWFRS						
Des Ld: 37.00	EXP: C Kzt: NA	Building Code:	HORZ(TL): 0.077 C - -	B Brg Width = 3.5		Min Req = 1.5				
NCBCLL: 10.00	Mean Height: 15.00 ft	FBC 7th Ed. 2020 Res.	Creep Factor: 2.0	F Brg Width = 1.5		Min Req = -				
Soffit: 2.00	TCDL: 4.2 psf	TPI Std: 2014	Max TC CSI: 0.455	E Brg Width = 1.5		Min Req = -				
Load Duration: 1.25	BCDL: 6.0 psf	Rep Fac: Yes	Max BC CSI: 0.308	Bearing B Fcperp = 425psi.						
Spacing: 24.0"	MWFRS Parallel Dist: h to 2h	FT/RT: 20(0)/0(0)	Max Web CSI: 0.296	Members not listed have forces less than 375#						
	C&C Dist a: 3.00 ft	Plate Type(s):	VIEW Ver: 20.02.00A.1020.20	Maximum Web Forces Per Ply (lbs)						
	Loc. from endwall: not in 9.00 ft	WAVE		Webs	Tens.	Comp.				
	GCpi: 0.18			D - F	394	-335				
	Wind Duration: 1.60									

Lumber

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

Plating Notes

(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.
Plates sized for a minimum of 3.50 sq.in./piece.

Purlins

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

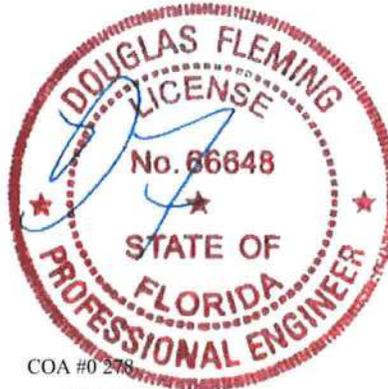
Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	75	-2.07	8.00
BC	24	0.17	2.15
BC	69	2.09	7.86

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

Wind

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

Wind loading based on both gable and hip roof types.



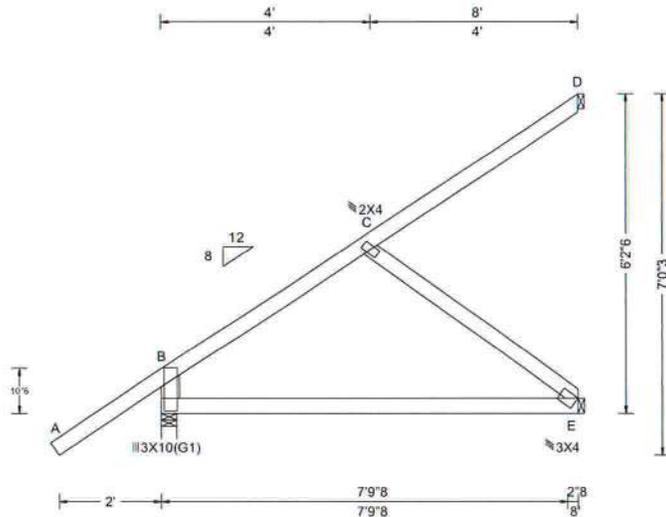
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SEQN: 67375 FROM: CVB	EJAC Qty: 9	Ply: 1	Job Number: B53547a Stevens Res Truss Label: EJ8B	Cust: R 857 JRef: 1X5c8570001 T56 DrwNo: 132.21.0948, 13987 SSB / DF 05/12/2021
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Loading Criteria (psf) TCCL: 20.00 TCCL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/0(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): -0.005 C 999 360 VERT(CL): -0.016 C 999 240 HORZ(LL): 0.008 E - - HORZ(TL): 0.026 E - - Creep Factor: 2.0 Max TC CSI: 0.349 Max BC CSI: 0.437 Max Web CSI: 0.115 VIEW Ver: 20.02.00A.1020.20	▲ Maximum Reactions (lbs)																																			
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Loc	Gravity			Non-Gravity																																			
	R+	/R-	/Rh	/Rw	/U	/RL																																	
B	449	/-	/-	/313	/41	/265																																	
E	201	/-	/-	/172	/77	/-																																	
D	98	/-	/-	/72	/81	/-																																	

Lumber
 Top chord: 2x4 SP #1;
 Bot chord: 2x4 SP #1;
 Webs: 2x4 SP #3;
 Lt Stub Wedge: 2x6 SP #1;

Plating Notes
 Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC	75	-2.08	8.00
BC	95	0.00	7.88

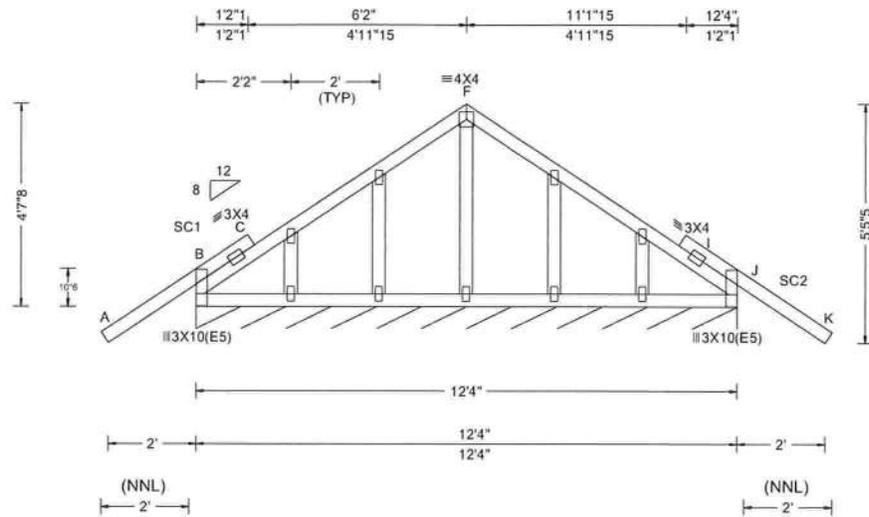
Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

Wind
 Wind loads based on MWFRS with additional C&C member design.
 Wind loading based on both gable and hip roof types.



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Loading Criteria (psf) TCCL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg, Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/0(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.004 C 999 360 VERT(CL): -0.007 C 999 240 HORZ(LL): -0.002 I - - HORZ(TL): 0.003 C - - Creep Factor: 2.0 Max TC CSI: 0.495 Max BC CSI: 0.040 Max Web CSI: 0.034 VIEW Ver: 20.02.00A.1020.20	▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL J* 135 /- /- /56 /5 /12 Wind reactions based on MWFRS J Brg Width = 147 Min Req = - Bearing B Fcperp = 425psi. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 550 -389 I - J 448 -515
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Lumber
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Stack Chord: SC1 2x4 SP #1;
Stack Chord: SC2 2x4 SP #1;

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

Plating Notes
All plates are 2X4 except as noted.
Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC	42	-2.08	1.00
TC	75	0.00	6.17
TC	75	6.17	12.33
TC	42	11.33	14.41
BC	120	0.00	12.33

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

Loading
Truss designed to support 1-4-0 top chord outlookers and cladding load not to exceed 6.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.



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



Additional Notes

See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.

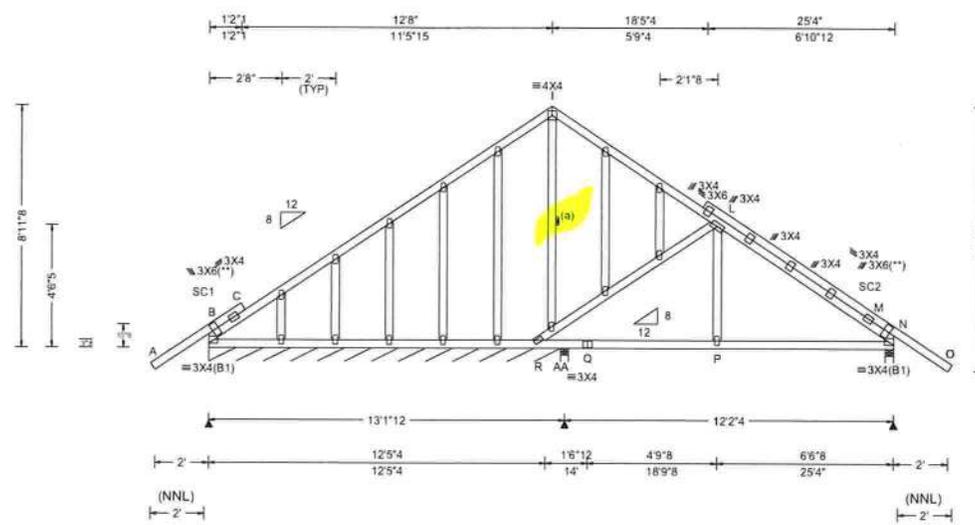


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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/0(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.077 J 999 360 VERT(CL): 0.158 J 916 240 HORZ(LL): 0.057 Q - - HORZ(TL): 0.117 Q - - Creep Factor: 2.0 Max TC CSI: 1.000 Max BC CSI: 0.345 Max Web CSI: 0.122 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B* 170 - / - /69 - / - /11 AA 213 - / - /105 - / - / - N 1091 - / - /506 - / - / - Wind reactions based on MWFRS B Brg Width = 156 Min Req = - AA Brg Width = 3.5 Min Req = 1.5 N Brg Width = 3.5 Min Req = 1.5 Bearings B, AA, & N Fcperp = 425psi. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Stack Chord: SC1 2x4 SP #1;
Stack Chord: SC2 2x4 SP #1;

Bracing
(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Loading
Truss designed to support 1-4-0 top chord outlookers and cladding load not to exceed 6.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Chords Tens.Comp.	Chords Tens. Comp.
B - C 482 -474	L - M 25 -1149
C - I 374 -412	M - N 244 -1211
I - L 210 -507	
Maximum Bot Chord Forces Per Ply (lbs)	
Chords Tens.Comp.	Chords Tens. Comp.
R - Q 1712 0	P - N 855 0
Q - P 856 0	
Maximum Web Forces Per Ply (lbs)	
Webs Tens.Comp.	
R - L 0 -804	

Plating Notes
All plates are 2X4 except as noted.
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.
Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC	42	-2.08	1.00
TC	75	0.11	12.67
TC	62	12.67	25.23
TC	120	18.87	27.41
BC	75	0.19	25.14

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



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6750 Forum Drive
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Additional Notes

See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.



COA #0 278

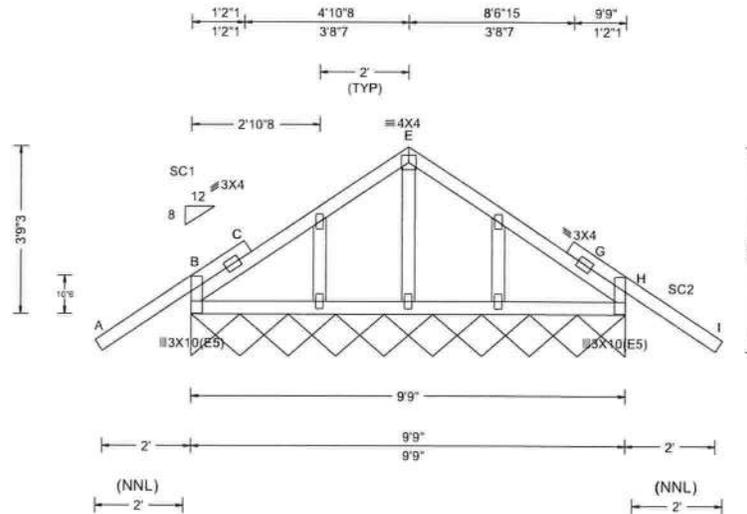
05/12/2021

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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg.Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/0(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.009 C 999 360 VERT(CL): 0.013 C 999 240 HORZ(LL): -0.006 G - - HORZ(TL): 0.007 G - - Creep Factor: 2.0 Max TC CSI: 0.538 Max BC CSI: 0.049 Max Web CSI: 0.027 VIEW Ver: 20.02.00A.1020.20	▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL H* 140 /- /- /59 /23 /15 Wind reactions based on MWFRS H Brg Width = 117 Min Req = - Bearing B Fcperp = 425psi. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 640 -475 G - H 519 -596

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Stack Chord: SC1 2x4 SP #1;
Stack Chord: SC2 2x4 SP #1;

Wind

Wind loads based on MWFRS with additional C&C member design.
End verticals exposed to wind pressure. Deflection meets L/180.
Wind loading based on both gable and hip roof types.

Plating Notes

All plates are 2X4 except as noted.
Plates sized for a minimum of 3.50 sq.in./piece.

Purlins

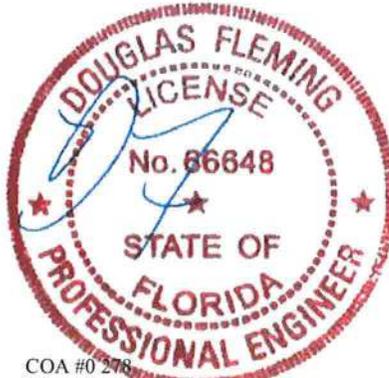
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	42	-2.08	1.00
TC	69	0.00	4.88
TC	69	4.88	9.75
TC	42	8.75	11.83
BC	117	0.00	9.75

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

Loading

Truss designed to support 1-4-0 top chord outlookers and cladding load not to exceed 6.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.



COA #0 278
05/12/2021

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 64664 / FROM: RNB Page 2 of 2	GABL Ply: 1 Qty: 1	Job Number: B53547a Stevens Res Truss Label: GE3	Cust: R 857 JRef: 1X5c8570001 T7 DrwNo: 132.21.0927.54123 SSB / DF 05/12/2021
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Additional Notes

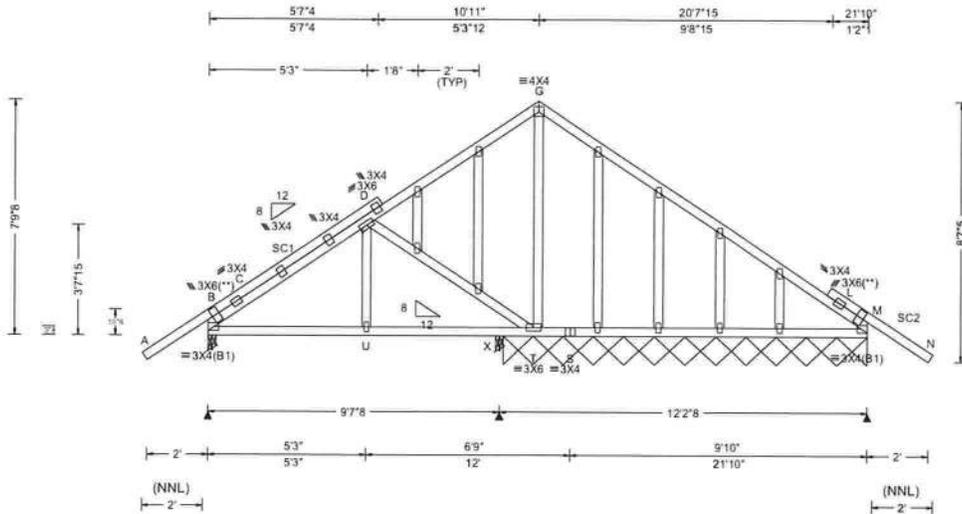
See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.



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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)0(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.062 F 999 360 VERT(CL): 0.123 F 927 240 HORZ(LL): 0.038 F - - HORZ(TL): 0.076 F - - Creep Factor: 2.0 Max TC CSI: 0.606 Max BC CSI: 0.378 Max Web CSI: 0.249 VIEW Ver: 20.02.00A.1020.20	Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 697 /- /- /388 /4 /146 X 138 /- /- /77 /- /- M* 176 /- /- /70 /- /- Wind reactions based on MWFRS B Brg Width = 3.0 Min Req = 1.5 X Brg Width = 3.0 Min Req = 1.5 M Brg Width = 144 Min Req = - Bearings B, X, & X Fcperp = 425psi. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 500 -676 L - M 437 -560 C - D 116 -531
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Lumber
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Stack Chord: SC1 2x4 SP #1;
Stack Chord: SC2 2x4 SP #1;

Wind
Wind loads based on MWFRS with additional C&C member design.
Right end vertical exposed to wind pressure. Deflection meets L/180.
Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)	
Chords Tens.Comp.	Chords Tens. Comp.
B - U 421 0	U - T 845 0

Plating Notes
All plates are 2X4 except as noted.
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.
Plates sized for a minimum of 3.50 sq.in./piece.

Maximum Web Forces Per Ply (lbs)	
Webs Tens.Comp.	
D - T 0 -651	

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)
TC	75	-2.08	5.17
TC	75	0.11	10.92
TC	75	10.92	21.72
TC	42	20.83	23.91
BC	75	0.19	21.64

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

Maximum Gable Forces Per Ply (lbs)	
Gables Tens.Comp.	
T - G 0 -447	



Loading
Truss designed to support 1-4-0 top chord outlookers and cladding load not to exceed 6.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

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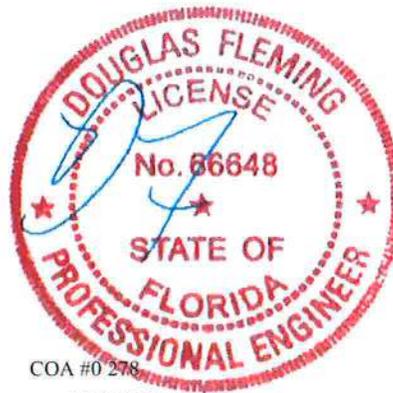


SEQN: 64667 / FROM: RNB Page 2 of 2	GABL Ply: 1 Qty: 1	Job Number: B53547a Stevens Res Truss Label: GE4	Cust: R 857 JRef: 1X5c8570001 T8 DrwNo: 132.21.0927.54186 SSB / DF 05/12/2021
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Additional Notes

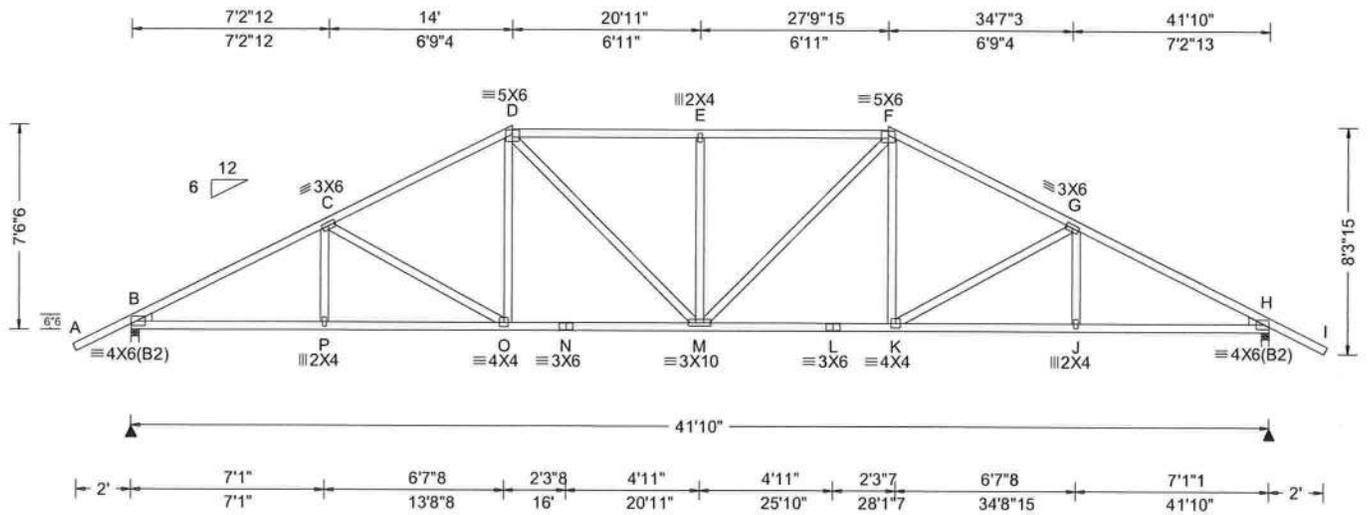
See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.



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Loading Criteria (psf) TCLL: 20.00 TCCL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 4.18 ft Loc. from endwall: not in 6.50 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/0(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.217 E 999 360 VERT(CL): 0.402 E 999 240 HORZ(LL): 0.094 J - - HORZ(TL): 0.174 J - - Creep Factor: 2.0 Max TC CSI: 0.971 Max BC CSI: 0.995 Max Web CSI: 0.460 VIEW Ver: 20.02.00A.1020.20	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 1706 /- /- /1010 /466 /285 H 1707 /- /- /1010 /466 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 2.1 H Brg Width = 3.5 Min Req = 2.1 Bearings B & H Fcperp = 425psi. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 1154 -2820 E - F 1243 -2338 C - D 1128 -2392 F - G 1128 -2392 D - E 1243 -2338 G - H 1154 -2821
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Lumber
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

Plating Notes
Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC	32	-2.07	14.00
TC	24	14.00	27.83
TC	32	27.83	43.90
BC	102	0.17	41.66

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

Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

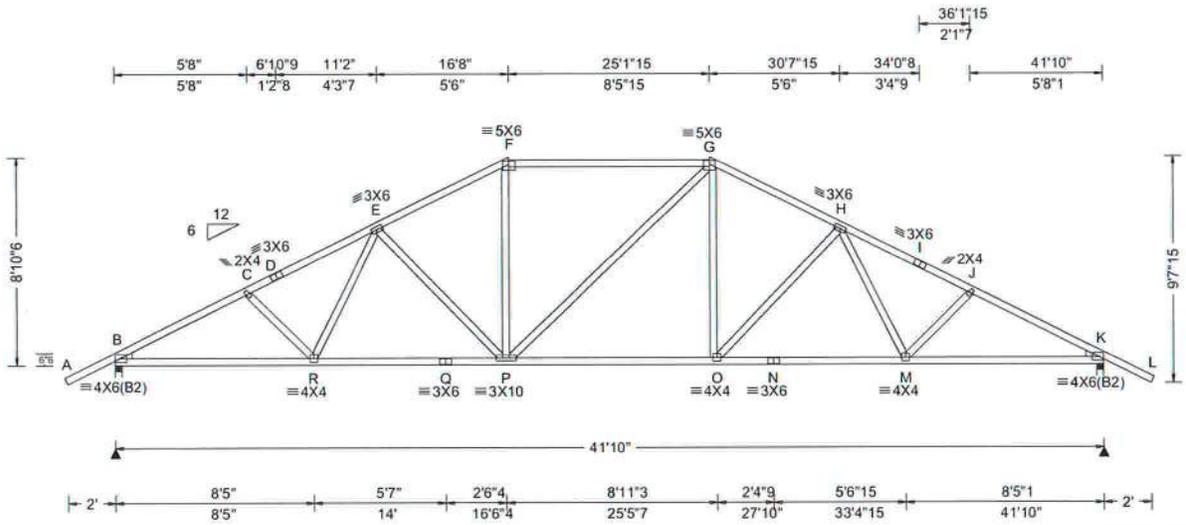


Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.
B - P 2426 -891 M - L 2062 -716
P - O 2424 -894 L - K 2062 -716
O - N 2061 -713 K - J 2425 -896
N - M 2061 -713 J - H 2427 -894

Maximum Web Forces Per Ply (lbs)
Webs Tens.Comp. Webs Tens. Comp.
C - O 207 -403 E - M 424 -432
O - D 439 -35 F - K 439 -35
D - M 395 -238 K - G 207 -403
M - F 394 -238

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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821



Loading Criteria (psf)	
TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	37.00
NCBCLL:	10.00
Soffit:	2.00
Load Duration:	1.25
Spacing:	24.0"

Wind Criteria	
Wind Std:	ASCE 7-16
Speed:	140 mph
Enclosure:	Closed
Risk Category:	II
EXP:	C Kzt: NA
Mean Height:	15.00 ft
TCDL:	4.2 psf
BCDL:	6.0 psf
MWFRS Parallel Dist:	h/2 to h
C&C Dist a:	4.18 ft
Loc. from endwall:	not in 13.00 ft
GCpi:	0.18
Wind Duration:	1.60

Snow Criteria (Pg,Pf in PSF)	
Pg: NA	Ct: NA
CAT: NA	Ce: NA
Pf: NA	Cs: NA
Lu: NA	Cs: NA
Snow Duration:	NA
Building Code:	
FBC 7th Ed. 2020 Res.	
TPI Std:	2014
Rep Fac:	Yes
FT/RT:	20(0)/0(0)
Plate Type(s):	WAVE

Def/CSI Criteria	
PP Deflection in loc L/def L/#	
VERT(LL):	0.200 O 999 360
VERT(CL):	0.371 O 999 240
HORZ(LL):	0.093 M - -
HORZ(TL):	0.173 M - -
Creep Factor:	2.0
Max TC CSI:	0.981
Max BC CSI:	0.985
Max Web CSI:	0.539
VIEW Ver:	20.02.00A.1020.20

▲ Maximum Reactions (lbs)						
Gravity			Non-Gravity			
Loc	R+	/R-	/Rh	/Rw	/U	/RL
B	1706	-	-	/1019	/463	/327
K	1707	-	-	/1019	/463	-
Wind reactions based on MWFRS						
B	Brg Width = 3.5		Min Req = 2.1			
K	Brg Width = 3.5		Min Req = 2.1			
Bearings B & K Fcperp = 425psi.						
Members not listed have forces less than 375#						
Maximum Top Chord Forces Per Ply (lbs)						
Chords	Tens.Comp.	Chords	Tens. Comp.			
B - C	1127 - 2838	G - H	1056 - 2168			
C - D	1081 - 2647	H - I	1100 - 2593			
D - E	1099 - 2615	I - J	1086 - 2647			
E - F	1054 - 2161	J - K	1127 - 2838			
F - G	1027 - 1880					

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

Plating Notes
 Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC	32	-2.07	16.67
TC	24	16.67	25.16
TC	32	25.16	43.90
BC	97	0.17	41.66

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

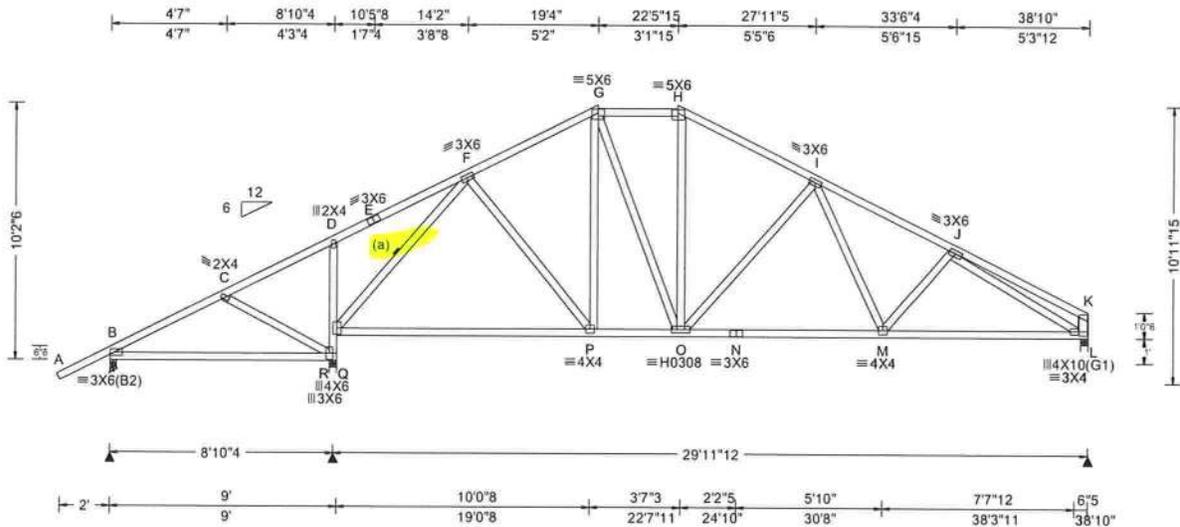
Wind
 Wind loads based on MWFRS with additional C&C member design.
 Wind loading based on both gable and hip roof types.



Maximum Bot Chord Forces Per Ply (lbs)				
Chords	Tens.Comp.	Chords	Tens. Comp.	
B - R	2445 - 876	O - N	2197 - 753	
R - Q	2196 - 750	N - M	2197 - 753	
Q - P	2196 - 750	M - K	2446 - 879	
P - O	1878 - 594			
Maximum Web Forces Per Ply (lbs)				
Webs	Tens.Comp.	Webs	Tens. Comp.	
E - P	232 - 449	G - O	569 - 75	
P - F	569 - 82	O - H	231 - 447	

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCCL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.88 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/0(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.055 I 999 360 VERT(CL): 0.104 I 999 240 HORZ(LL): 0.022 L - - HORZ(TL): 0.045 L - - Creep Factor: 2.0 Max TC CSI: 0.977 Max BC CSI: 0.699 Max Web CSI: 0.966 VIEW Ver: 20.02.00A.1020.20	Gravity Loc R+ / R- / Rh / Rw / U / RL B 449 - / - / /221 /93 /322 R 1501 - / - / /961 /150 - L 1131 - / - / /693 /91 - Non-Gravity Wind reactions based on MWFRS B Brg Width = 3.0 Min Req = 1.5 R Brg Width = 3.5 Min Req = 1.9 L Brg Width = 3.5 Min Req = 1.5 Bearings B, R, & L Fcperp = 425psi. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Rt Stub Wedge: 2x8 SP SS Dense;

Bracing
(a) Continuous lateral restraint equally spaced on member. Or 2x4 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3", min. n.nails @ 6" oc.

Plating Notes
Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC	70	-2.07	19.33
TC	24	19.33	22.50
TC	57	22.50	38.83
BC	75	0.17	8.71
BC	120	8.73	38.83

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

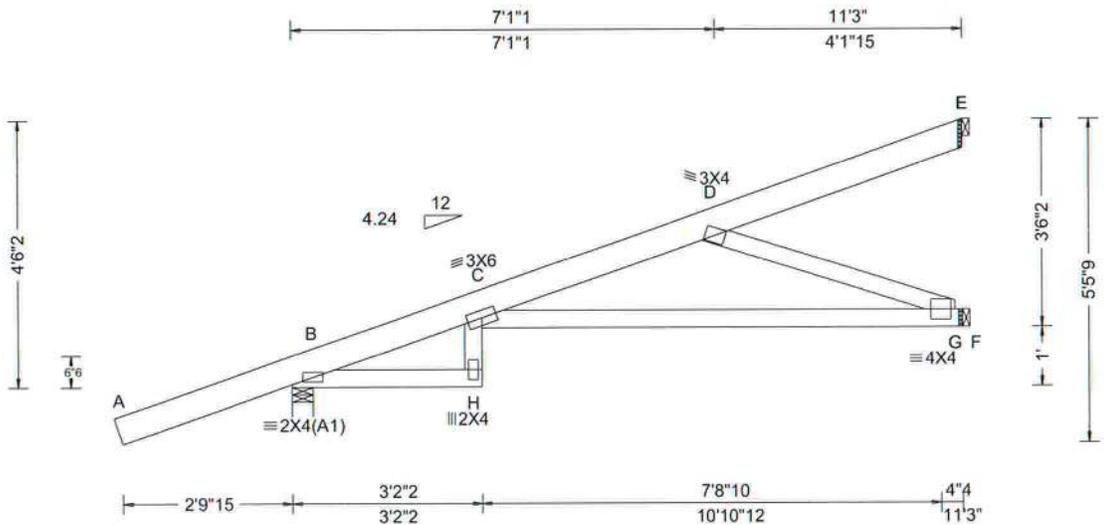
Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.



Maximum Bot Chord Forces Per Ply (lbs)				
Chords Tens.Comp.	Chords Tens. Comp.	Chords Tens. Comp.	Chords Tens. Comp.	
Q - P	781 -242	N - M	1291 -389	
P - O	895 -196	M - L	1484 -499	
O - N	1291 -389			
Maximum Web Forces Per Ply (lbs)				
Webs Tens.Comp.	Webs Tens. Comp.	Webs Tens. Comp.	Webs Tens. Comp.	
R - Q	495 -1298	O - I	267 -483	
Q - F	443 -1222	J - L	503 -1321	

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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/0(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.141 H 947 360 VERT(CL): 0.265 H 503 240 HORZ(LL): 0.066 G - - HORZ(TL): 0.125 G - - Creep Factor: 2.0 Max TC CSI: 0.987 Max BC CSI: 0.957 Max Web CSI: 0.391 VIEW Ver: 21.01.00A.0324.17	▲ Maximum Reactions (lbs)																																			
				<table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>409</td> <td>-</td> <td>-</td> <td>-</td> <td>/185</td> <td>-</td> </tr> <tr> <td>F</td> <td>448</td> <td>-</td> <td>-</td> <td>-</td> <td>/135</td> <td>-</td> </tr> <tr> <td>E</td> <td>52</td> <td>-</td> <td>-</td> <td>-</td> <td>/31</td> <td>-</td> </tr> </tbody> </table>		Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	B	409	-	-	-	/185	-	F	448	-	-	-	/135	-	E	52	-	-	-	/31	-
Loc	Gravity			Non-Gravity																																			
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E	52	-	-	-	/31	-																																	

Lumber Top chord: 2x6 SP #1; Bot chord: 2x4 SP #1; Webs: 2x4 SP #3; Special Loads -----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 0 plf at -2.98 to 55 plf at -0.15 TC: From 2 plf at -0.15 to 2 plf at 11.25 BC: From 0 plf at -2.98 to 4 plf at -0.15 BC: From 2 plf at -0.15 to 2 plf at 11.25 TC: -8 lb Conc. Load at 2.79 TC: 177 lb Conc. Load at 5.62 TC: 300 lb Conc. Load at 8.45 BC: 63 lb Conc. Load at 2.79 BC: 80 lb Conc. Load at 5.62 BC: 164 lb Conc. Load at 8.45	Additional Notes Provide (2) 16d common(0.162"x3.5") toe-nails at top chord. Provide (3) 16d common(0.162"x3.5") toe-nails at bottom chord.	Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. C - G 878 -447					
		Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. D - G 480 -939					

Plating Notes
 Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC	69	-2.90	11.25
BC	35	0.15	3.03
BC	98	3.10	11.25

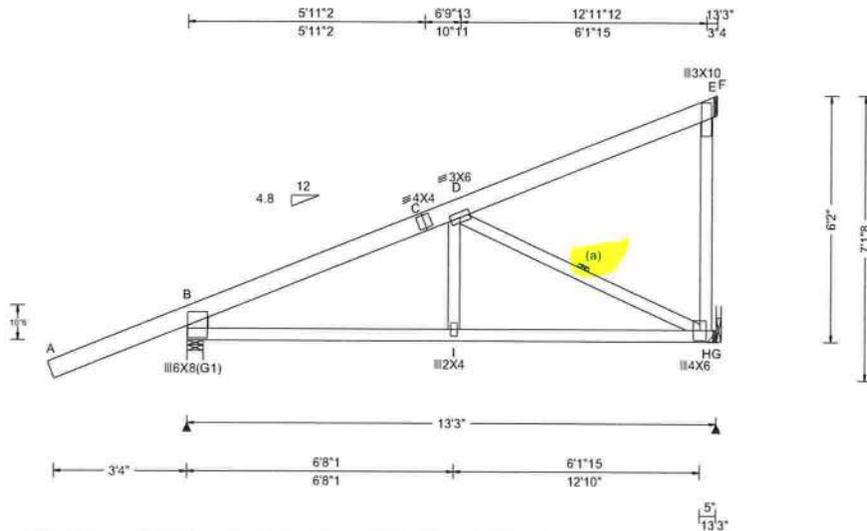
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Wind
 Wind loads and reactions based on MWFRS.
 Wind loading based on both gable and hip roof types.



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6750 Forum Drive
 Suite 305
 Orlando FL, 32821



Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/0(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.048 I 999 360 VERT(CL): 0.085 I 999 240 HORZ(LL): 0.010 H - - HORZ(TL): 0.018 H - - Creep Factor: 2.0 Max TC CSI: 0.996 Max BC CSI: 0.973 Max Web CSI: 0.826 VIEW Ver: 21.01.00A.0324.17	Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 1102 /- /- /- /550 /- G 1120 /- /- /- /452 /- Wind reactions based on MWFRS B Brg Width = 4.8 Min Req = 1.5 G Brg Width = - Min Req = - Bearing B Fcperp = 425psi. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 645 -1441 C - D 520 -1341
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Lumber
Top chord: 2x6 SP #1;
Bot chord: 2x4 SP SS Dense;
Webs: 2x4 SP #3;
Lt Stub Wedge: 2x4 SP #3;

Bracing
(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Plating Notes
Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC 61 -3.42 13.25
BC 109 0.00 13.25
Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.
B - I 1251 -521 I - H 1238 -521

Maximum Web Forces Per Ply (lbs)
Webs Tens.Comp. Webs Tens. Comp.
I - D 573 0 D - H 582 -1382

Special Loads
-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 55 plf at -3.50 to 55 plf at 1.61
TC: From 28 plf at 1.61 to 28 plf at 13.25
BC: From 4 plf at -3.50 to 4 plf at 0.00
BC: From 10 plf at 0.00 to 10 plf at 13.25
TC: 60 lb Conc. Load at -3.33
TC: -32 lb Conc. Load at 1.61
TC: 55 lb Conc. Load at 3.27
TC: 27 lb Conc. Load at 4.11
TC: 223 lb Conc. Load at 6.60
TC: 130 lb Conc. Load at 9.11
TC: 100 lb Conc. Load at 9.94
TC: 173 lb Conc. Load at 11.61
BC: 11 lb Conc. Load at 1.61
BC: 59 lb Conc. Load at 3.27
BC: 43 lb Conc. Load at 4.11
BC: 183 lb Conc. Load at 6.60
BC: 102 lb Conc. Load at 9.11
BC: 212 lb Conc. Load at 9.94
BC: 131 lb Conc. Load at 11.61

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



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Wind

Wind loads and reactions based on MWFRS.
 Right end vertical exposed to wind pressure.
 Deflection meets L/180.
 Wind loading based on both gable and hip roof types.



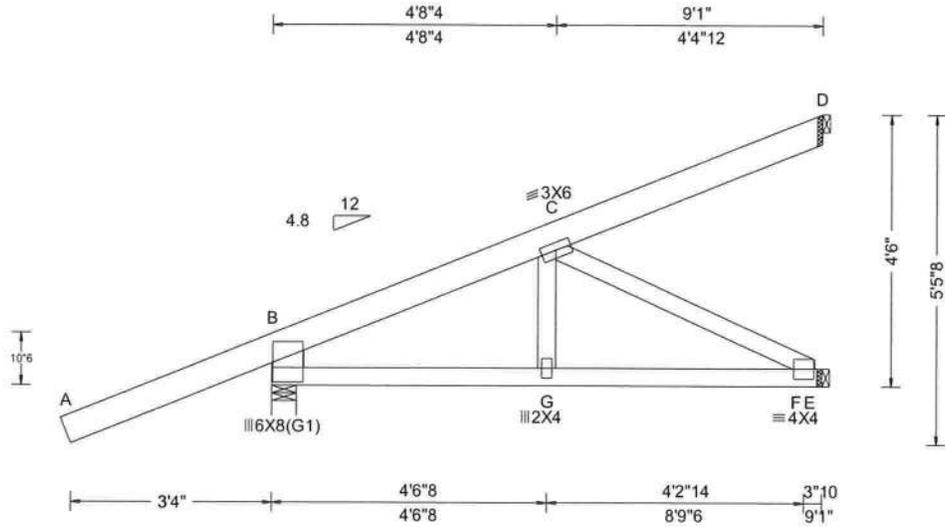
COA #0 278
 05/12/2021

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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/0(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.015 G 999 360 VERT(CL): 0.026 G 999 240 HORZ(LL): -0.005 D - - HORZ(TL): 0.009 D - - Creep Factor: 2.0 Max TC CSI: 0.626 Max BC CSI: 0.367 Max Web CSI: 0.254 VIEW Ver: 21.01.00A.0324.17	▲ Maximum Reactions (lbs) <table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>743</td> <td>-</td> <td>-</td> <td>-</td> <td>405</td> <td>-</td> </tr> <tr> <td>E</td> <td>315</td> <td>-</td> <td>-</td> <td>-</td> <td>190</td> <td>-</td> </tr> <tr> <td>D</td> <td>181</td> <td>-</td> <td>-</td> <td>-</td> <td>103</td> <td>-</td> </tr> </tbody> </table>						Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	B	743	-	-	-	405	-	E	315	-	-	-	190	-	D	181	-	-	-	103	-
				Loc	Gravity			Non-Gravity																																			
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Wind reactions based on MWFRS B Brg Width = 4.8 Min Req = 1.5 E Brg Width = 1.5 Min Req = - D Brg Width = 1.5 Min Req = - Bearing B Fcperp = 425psi. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.				B - C 309 -581		Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.		B - G 461 -223 G - F 453 -225																																			

Lumber
 Top chord: 2x6 SP #1;
 Bot chord: 2x4 SP #1;
 Webs: 2x4 SP #3;
 Lt Stub Wedge: 2x4 SP #3;

Special Loads
 -----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
 TC: From 55 plf at -3.50 to 55 plf at 1.61
 TC: From 28 plf at 1.61 to 28 plf at 6.61
 TC: From 55 plf at 6.61 to 55 plf at 9.08
 BC: From 4 plf at -3.50 to 4 plf at 0.00
 BC: From 10 plf at 0.00 to 10 plf at 6.61
 BC: From 20 plf at 6.61 to 20 plf at 9.08
 TC: 60 lb Conc. Load at -3.21
 TC: -32 lb Conc. Load at 1.61
 TC: 27 lb Conc. Load at 2.44, 4.11
 TC: 120 lb Conc. Load at 5.77
 TC: 84 lb Conc. Load at 6.61
 BC: 11 lb Conc. Load at 1.61
 BC: 45 lb Conc. Load at 2.44
 BC: 43 lb Conc. Load at 4.11
 BC: 98 lb Conc. Load at 5.77
 BC: 73 lb Conc. Load at 6.61

Plating Notes
 Plates sized for a minimum of 3.50 sq.in./piece.

Wind
 Wind loads and reactions based on MWFRS.
 Wind loading based on both gable and hip roof types.

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)
TC	75	-3.42	9.08
BC	109	0.00	9.08

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

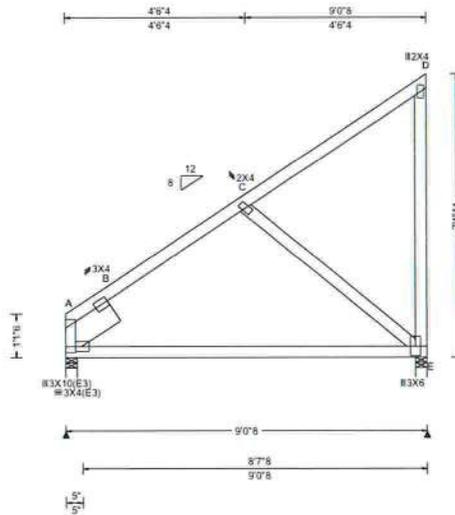
Additional Notes
 Provide (2) 16d common(0.162"x3.5") toe-nails at top chord.
 Provide (3) 16d common(0.162"x3.5") toe-nails at bottom chord.



05/12/2021

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SEQN: 64672 / FROM: RNB	MONO Ply: 1 Qty: 1	Job Number: B53547a Stevens Res Truss Label: M1	Cust: R 857 JRef: 1X5c8570001 T5 DrwNo: 132.21.0927.54468 SSB / DF 05/12/2021
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Loading Criteria (psf) TCCL: 20.00 TCCL: 7.00 BCCL: 0.00 BCCL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 4.2 psf BCCL: 6.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/0(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): -0.010 B 999 360 VERT(CL): 0.028 B 999 240 HORZ(LL): 0.012 B - - HORZ(TL): 0.035 B - - Creep Factor: 2.0 Max TC CSI: 0.355 Max BC CSI: 0.617 Max Web CSI: 0.173 VIEW Ver: 20.02.00A.1020.20	▲ Maximum Reactions (lbs) <table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>347</td> <td>/-</td> <td>/-</td> <td>/202</td> <td>/-</td> <td>/245</td> </tr> <tr> <td>E</td> <td>347</td> <td>/-</td> <td>/-</td> <td>/291</td> <td>/186</td> <td>/-</td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	A	347	/-	/-	/202	/-	/245	E	347	/-	/-	/291	/186	/-
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A - B	99 -385																														

Lumber
 Top chord: 2x4 SP #1;
 Bot chord: 2x4 SP #1;
 Webs: 2x4 SP #3;
 Lt Slider: 2x8 SP SS Dense; block length = 1.50'

Plating Notes
 Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC	75	0.00	9.04
BC	109	0.00	9.04

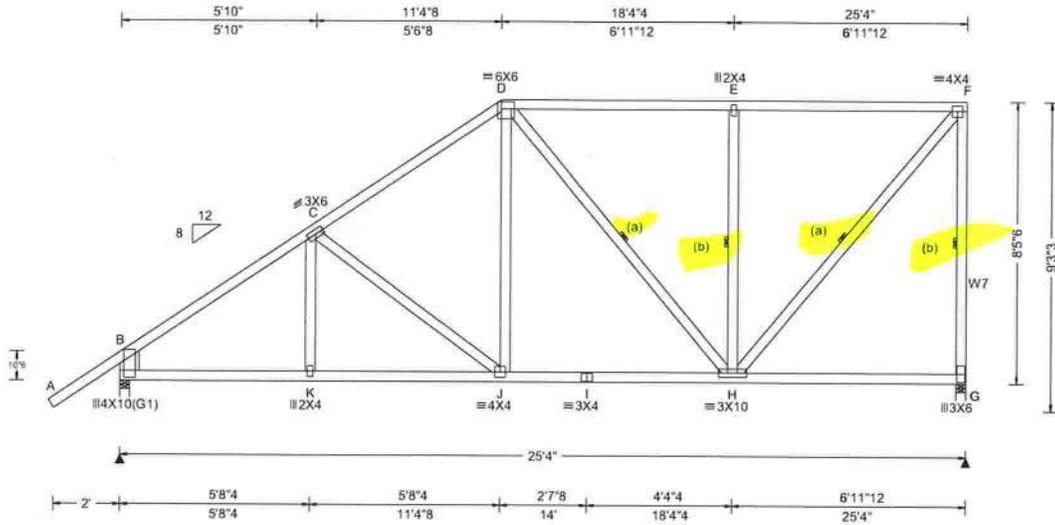
Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

Wind
 Wind loads based on MWFRS with additional C&C member design.
 Right end vertical not exposed to wind pressure.
 Wind loading based on both gable and hip roof types.



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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/0(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.057 K 999 360 VERT(CL): 0.108 K 999 240 HORZ(LL): -0.023 K - - HORZ(TL): 0.043 K - - Creep Factor: 2.0 Max TC CSI: 0.975 Max BC CSI: 0.982 Max Web CSI: 0.877 VIEW Ver: 20.02.00A.1020.20	▲ Maximum Reactions (lbs) <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>R-</th> <th>Rh</th> <th>Rw</th> <th>U</th> <th>RL</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>1107</td> <td>-</td> <td>-</td> <td>706</td> <td>286</td> <td>437</td> </tr> <tr> <td>G</td> <td>968</td> <td>-</td> <td>-</td> <td>527</td> <td>1295</td> <td>-</td> </tr> </tbody> </table> <p>Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 G Brg Width = 3.5 Min Req = 1.5 Bearings B & G Fcperp = 425psi. Members not listed have forces less than 375#</p> Maximum Top Chord Forces Per Ply (lbs) <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Chords</th> <th>Tens.Comp.</th> <th>Chords</th> <th>Tens. Comp.</th> </tr> </thead> <tbody> <tr> <td>B - C</td> <td>617 -1289</td> <td>D - E</td> <td>638 -647</td> </tr> <tr> <td>C - D</td> <td>671 -1007</td> <td>E - F</td> <td>637 -647</td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	R-	Rh	Rw	U	RL	B	1107	-	-	706	286	437	G	968	-	-	527	1295	-	Chords	Tens.Comp.	Chords	Tens. Comp.	B - C	617 -1289	D - E	638 -647	C - D	671 -1007	E - F	637 -647
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Lumber
 Top chord: 2x4 SP #1;
 Bot chord: 2x4 SP #1;
 Webs: 2x4 SP #3; W7 2x4 SP #1;
 Lt Stub Wedge: 2x8 SP SS Dense;

Bracing
 (b) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.
 (a) Continuous lateral restraint equally spaced on member. Or 2x4 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

Plating Notes
 Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC	54	-2.08	11.38
TC	24	11.38	25.33
BC	116	0.00	25.33

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

Wind
 Wind loads based on MWFRS with additional C&C member design.
 Right end vertical exposed to wind pressure.
 Deflection meets L/180.
 Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - K	973 -844	J - I	770 -719
K - J	972 -845	I - H	770 -719

Maximum Web Forces Per Ply (lbs)

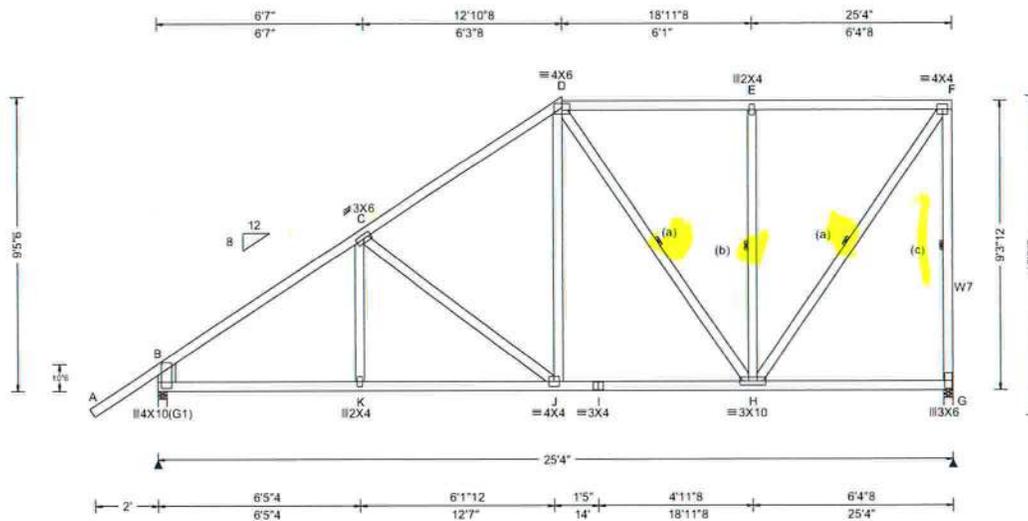
Webs	Tens.Comp.	Webs	Tens. Comp.
D - J	380 -40	H - F	995 -793
E - H	615 -456	F - G	815 -912



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SEQN: 64622 / FROM: RNB	HIPM Qty: 1	Ply: 1 Qty: 1	Job Number: B53547a Stevens Res Truss Label: MH2	Cust: R 857 JRef: 1X5c8570001 T15 DrwNo: 132.21.0927.54310 SSB / DF 05/12/2021
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Loading Criteria (psf) TCCL: 20.00 TCCL: 7.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/0(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.058 K 999 360 VERT(CL): 0.110 K 999 240 HORZ(LL): -0.023 K - - HORZ(TL): 0.043 K - - Creep Factor: 2.0 Max TC CSI: 0.986 Max BC CSI: 0.975 Max Web CSI: 0.881 VIEW Ver: 20.02.00A.1020.20	▲ Maximum Reactions (lbs) <table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>1107</td> <td>-</td> <td>-</td> <td>/712</td> <td>/280</td> <td>/485</td> </tr> <tr> <td>G</td> <td>968</td> <td>-</td> <td>-</td> <td>/550</td> <td>/302</td> <td>-</td> </tr> </tbody> </table>						Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	B	1107	-	-	/712	/280	/485	G	968	-	-	/550	/302	-
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Lumber
 Top chord: 2x4 SP #1;
 Bot chord: 2x4 SP #1;
 Webs: 2x4 SP #3; W7 2x4 SP SS Dense;
 Lt Stub Wedge: 2x8 SP SS Dense;

Wind
 Wind loads based on MWFRS with additional C&C member design.
 Right end vertical exposed to wind pressure.
 Deflection meets L/180.
 Wind loading based on both gable and hip roof types.

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
J - D	408 -65	H - F	944 -749
E - H	557 -405	F - G	808 -916

Bracing
 (b) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.
 (a) Continuous lateral restraint equally spaced on member. Or 2x4 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.
 (c) Continuous lateral restraint equally spaced on member. Or 2x6 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

Plating Notes
 Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC	54	-2.08	12.88
TC	24	12.88	25.33
BC	114	0.00	25.33

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

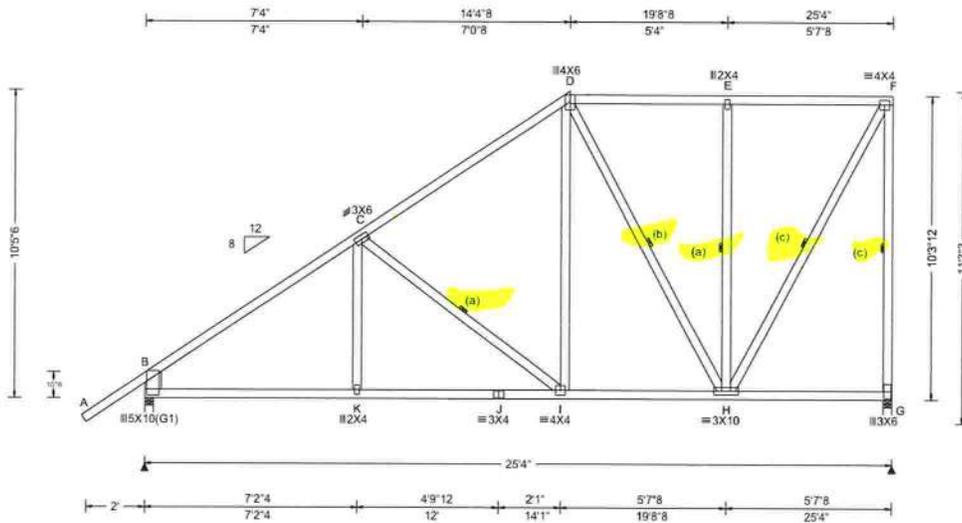


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Loading Criteria (psf) TCCL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/0(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.059 K 999 360 VERT(CL): 0.112 K 999 240 HORZ(LL): -0.022 K - - HORZ(TL): 0.041 K - - Creep Factor: 2.0 Max TC CSI: 0.973 Max BC CSI: 0.970 Max Web CSI: 0.934 VIEW Ver: 20.02.00A.1020.20	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 1107 /- /- /735 /211 /438 G 968 /- /- /556 /334 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 G Brg Width = 3.5 Min Req = 1.5 Bearings B & G Fcperp = 425psi. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 377 -1284 D - E 323 -445 C - D 399 -869 E - F 321 -444
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Lumber
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Lt Stub Wedge: 2x8 SP SS Dense;

Bracing
(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.
(c) Continuous lateral restraint equally spaced on member. Or 2x4 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.
(b) Continuous lateral restraint equally spaced on member. Or 2x6 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

Plating Notes
Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC	53	-2.08	14.38
TC	24	14.38	25.33
BC	112	0.00	25.33

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

Wind
Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.
B - K 961 -603 J - I 960 -604
K - J 960 -604 I - H 619 -411

Maximum Web Forces Per Ply (lbs)
Webs Tens.Comp. Webs Tens. Comp.
C - I 260 -420 H - F 906 -655
I - D 446 -88 F - G 741 -921
E - H 487 -342

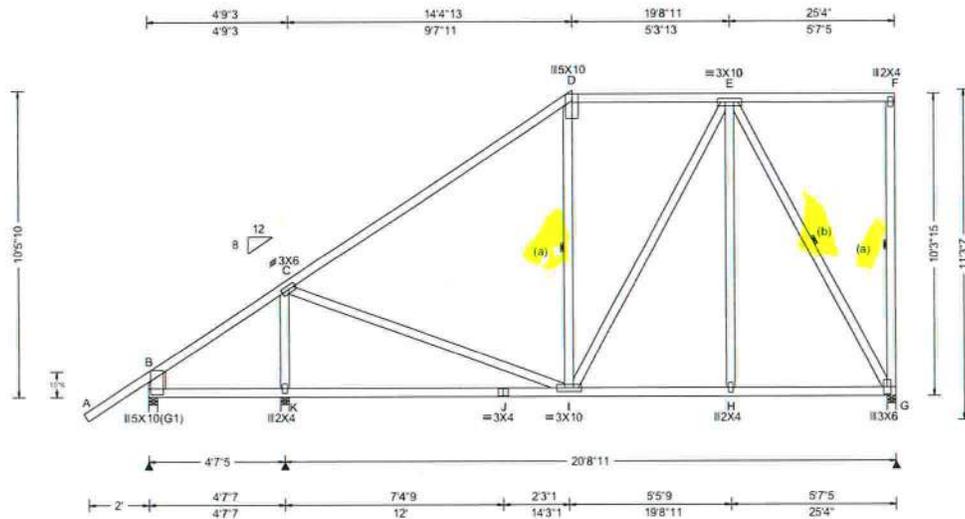


COA #0 278
05/12/2021

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SEQN: 64674 / FROM: RNB	HIPM Qty: 1	Ply: 1 Qty: 1	Job Number: B53547a Slevens Res Truss Label: MH4	Cust: R 857 JRef: 1X5c8570001 T17 DrwNo: 132.21.0927.54170 SSB / DF 05/12/2021
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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:(20/0)/0(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.015 D 999 360 VERT(CL): 0.028 D 999 240 HORZ(LL): -0.007 D - - HORZ(TL): 0.011 K - - Creep Factor: 2.0 Max TC CSI: 0.993 Max BC CSI: 0.472 Max Web CSI: 0.431 VIEW Ver: 20.02.00A.1020.20	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 258 /-48 /- /96 /21 /439 K 1169 /- /- /809 /316 /- G 755 /- /- /409 /277 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 K Brg Width = 3.5 Min Req = 1.5 G Brg Width = 3.5 Min Req = 1.5 Bearings B, K, & G Fcperp = 425psi. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. C - D 251 -642 D - E 326 -410
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Lumber Top chord: 2x4 SP #1; Bol chord: 2x4 SP #1; Webs: 2x4 SP #3; Lt Stub Wedge: 2x8 SP SS Dense;	Wind Wind loads based on MWFRS with additional C&C member design. Right end vertical not exposed to wind pressure. Wind loading based on both gable and hip roof types.	Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. K - C 591 -1003 E - G 551 -653 C - I 532 -159
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Bracing
(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.
(b) Continuous lateral restraint equally spaced on member. Or 2x6 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

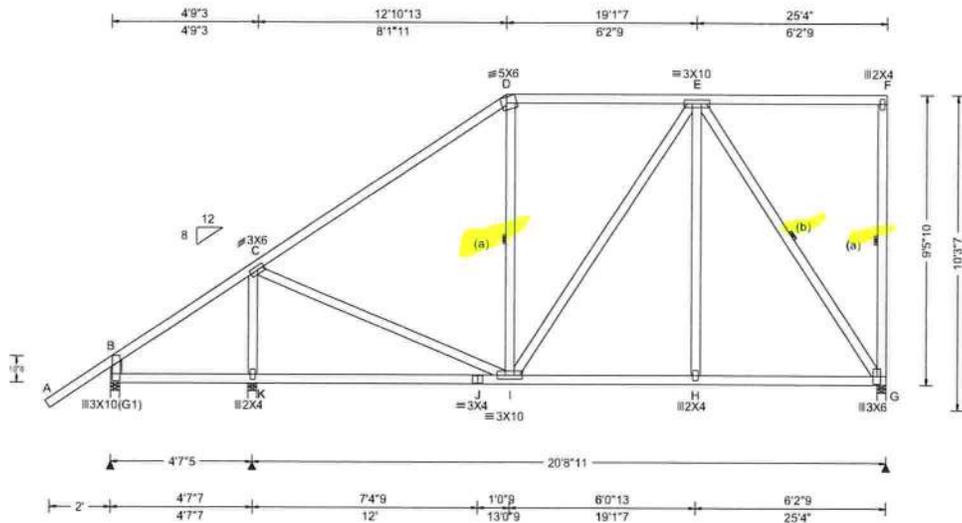
Plating Notes
Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC 70 -2.08 14.40
TC 24 14.40 25.33
BC 75 0.00 25.33
Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.



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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/0(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.014 D 999 360 VERT(CL): 0.026 D 999 240 HORZ(LL): -0.006 D - - HORZ(TL): 0.008 D - - Creep Factor: 2.0 Max TC CSI: 0.870 Max BC CSI: 0.354 Max Web CSI: 0.829 VIEW Ver: 20.02.00A.1020.20	▲ Maximum Reactions (lbs)																																																															
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Lumber
 Top chord: 2x4 SP #1;
 Bot chord: 2x4 SP #1;
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 Lt Stub Wedge: 2x6 SP #1;

Bracing
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Wind
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 Right end vertical not exposed to wind pressure.
 Wind loading based on both gable and hip roof types.

Plating Notes
 Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC	75	-2.08	12.90
TC	24	12.90	25.33
BC	75	0.00	25.33

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

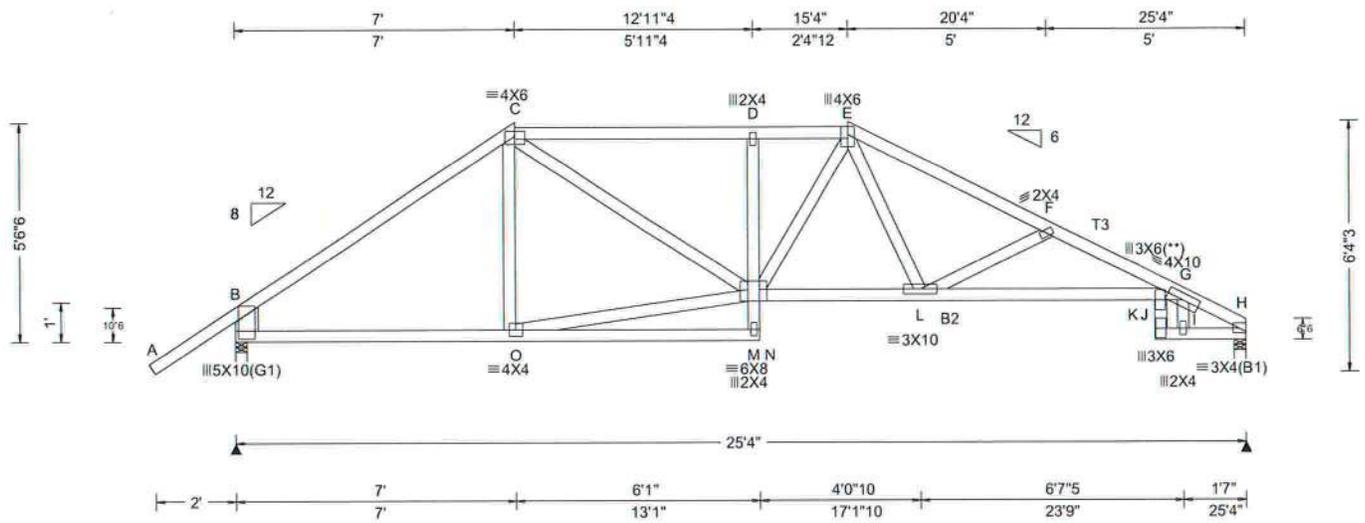


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Lumber

Top chord: 2x4 SP #1; T3 2x4 SP SS Dense;
 Bot chord: 2x4 SP #1; B2 2x4 SP SS Dense;
 Webs: 2x4 SP #3;
 Lt Stub Wedge: 2x8 SP SS Dense;

Plating Notes

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

Plates sized for a minimum of 3.50 sq.in./piece.

Purlins

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

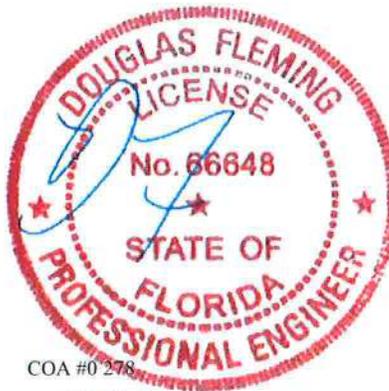
Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	54	-2.08	7.00
TC	24	7.00	15.33
TC	39	15.33	25.23
BC	120	0.00	12.94
BC	109	12.94	23.81
BC	25	23.04	25.16

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

Wind

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

Wind loading based on both gable and hip roof types.



COA #0 278

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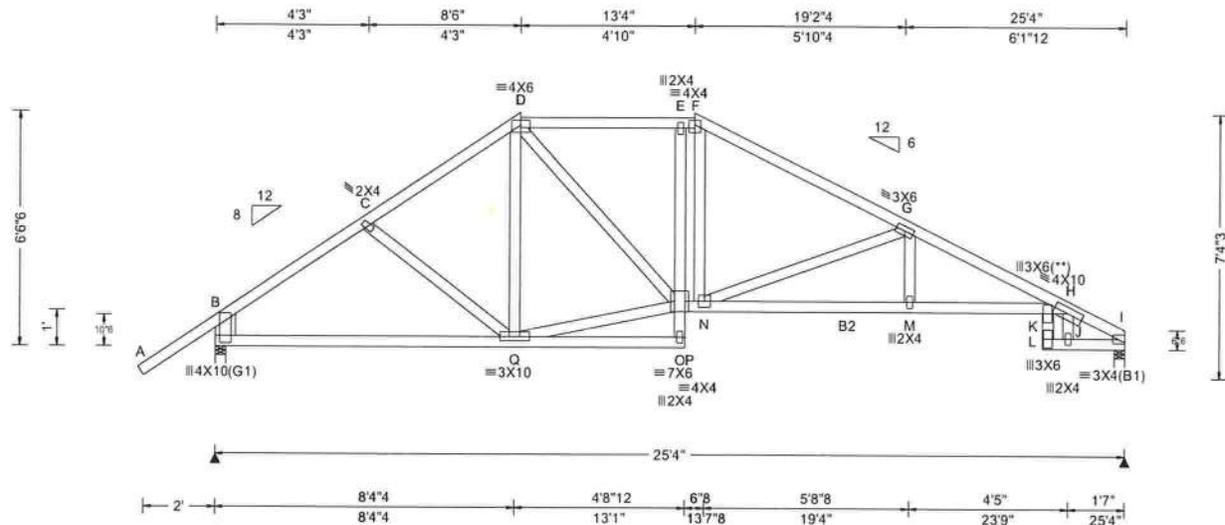
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org





Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/0(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.309 L 978 360 VERT(CL): 0.580 L 522 240 HORZ(LL): 0.202 J - - HORZ(TL): 0.378 J - - Creep Factor: 2.0 Max TC CSI: 0.993 Max BC CSI: 0.999 Max Web CSI: 0.716 VIEW Ver: 20.02.00A.1020.20	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 1097 /- /- /643 /295 /248 I 958 /- /- /550 /245 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 I Brg Width = 3.5 Min Req = 1.5 Bearings B & I Fcperp = 425psi. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 612 -1273 E - F 714 -1156 C - D 608 -1114 F - G 752 -1432 D - E 743 -1198 G - H 1028 -2332
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Lumber
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1; B2 2x4 SP SS Dense;
Webs: 2x4 SP #3;
Lt Stub Wedge: 2x8 SP SS Dense;

Plating Notes
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.
Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC	44	-2.08	8.50
TC	24	8.50	13.33
TC	25	13.33	25.23
BC	120	0.00	12.94
BC	116	12.94	23.81
BC	25	23.04	25.16

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

Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

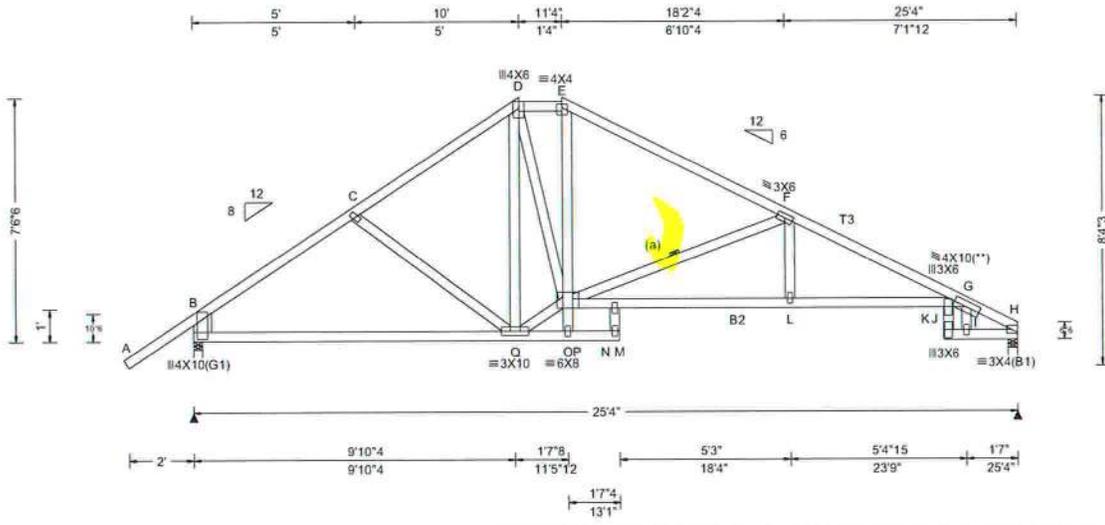


Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.
B - Q 960 -364 M - K 2111 -861
O - N 1208 -457 K - H 2087 -851
N - M 2100 -861

Maximum Web Forces Per Ply (lbs)
Webs Tens.Comp. Webs Tens. Comp.
Q - O 885 -270 L - K 939 -412
D - O 459 -250 J - H 620 -1335
N - G 445 -956

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/0(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.333 K 908 360 VERT(CL): 0.625 K 484 240 HORIZ(LL): 0.215 I - - HORIZ(TL): 0.403 I - - Creep Factor: 2.0 Max TC CSI: 0.978 Max BC CSI: 0.916 Max Web CSI: 0.666 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 1098 /- /- /639 /292 /281 H 959 /- /- /551 /243 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 H Brg Width = 3.5 Min Req = 1.5 Bearings B & H Fcperp = 425psi. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 506 - 1274 E - F 500 - 1200 C - D 480 - 1063 F - G 762 - 2150 D - E 523 - 977

Lumber
Top chord: 2x4 SP #1; T3 2x4 SP SS Dense;
Bot chord: 2x4 SP #1; B2 2x4 SP SS Dense;
Webs: 2x4 SP #3;
Lt Stub Wedge: 2x8 SP SS Dense;

Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Bracing
(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" oc.

Plating Notes
All plates are 2X4 except as noted.
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.
Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC	55	-2.08	10.00
TC	24	10.00	11.33
TC	45	11.33	25.23
BC	120	0.00	13.08
BC	120	11.46	23.81
BC	25	23.04	25.16

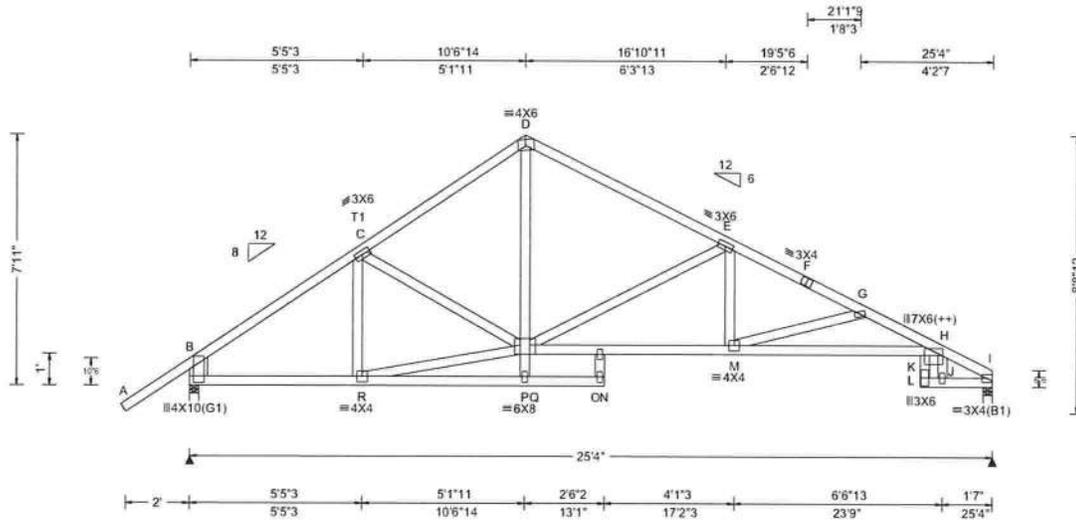
Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.



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6750 Forum Drive
Suite 305
Orlando FL, 32821



Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/0(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.297 L 999 360 VERT(CL): 0.556 L 544 240 HORZ(LL): 0.191 J - - HORZ(TL): 0.358 J - - Creep Factor: 2.0 Max TC CSI: 0.996 Max BC CSI: 0.982 Max Web CSI: 0.795 VIEW Ver: 20.02.00A.1020.20	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1098 /- /- /636 /292 /293 I 959 /- /- /549 /243 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 I Brg Width = 3.5 Min Req = 1.5 Bearings B & I Fcperp = 425psi. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 389 - 1279 F - G 586 - 1904 C - D 424 - 1177 G - H 819 - 2511 D - E 398 - 1109 H - I 125 - 375 E - F 597 - 1860
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Lumber
Top chord: 2x4 SP SS Dense; T1 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Lt Stub Wedge: 2x8 SP SS Dense;

Plating Notes
All plates are 2X4 except as noted.
(++) - This plate works for both joints covered.
Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC	55	-2.08	10.57
TC	35	10.57	25.23
BC	120	0.00	13.08
BC	97	10.57	23.81
BC	25	23.04	25.16

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

Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.



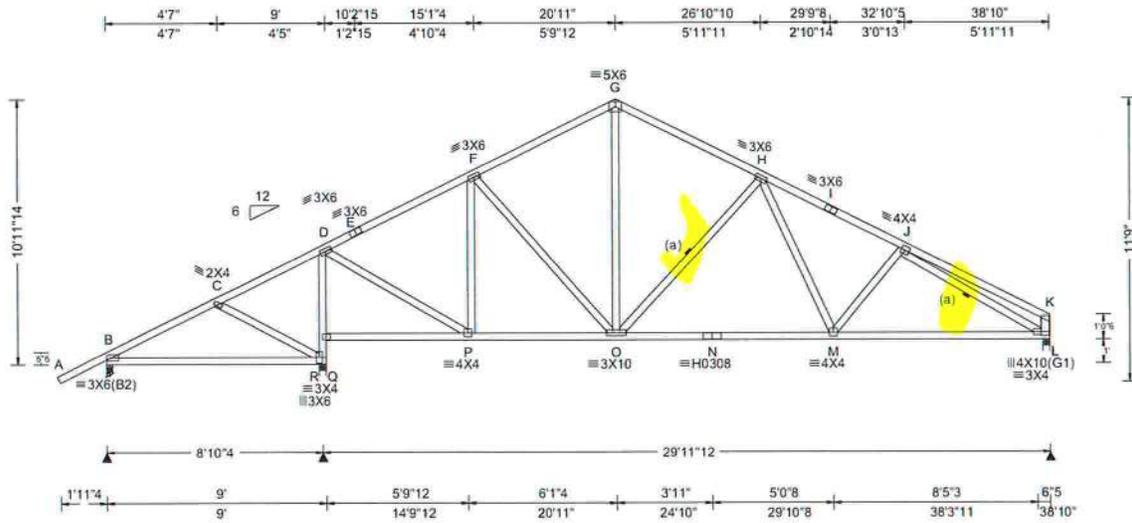
COA #0 278
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Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.
B - R 965 - 188 M - K 2377 - 709
P - O 1593 - 371 K - H 2354 - 703
O - M 1625 - 387

Maximum Web Forces Per Ply (lbs)
Webs Tens.Comp. Webs Tens. Comp.
R - P 938 - 172 M - G 336 - 759
D - P 718 - 192 L - K 523 - 203
P - E 348 - 787 J - H 311 - 714
E - M 484 - 39

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SEQN: 64580 / FROM: RNB	SPEC	Ply: 1 Qty: 3	Job Number: B53547a Stevens Res Truss Label: S5	Cust: R 857 JRef: 1X5c8570001 T27 DrwNo: 132.21.0927.53576 SSB / DF 05/12/2021
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Loading Criteria (psf) TCCL: 20.00 TCCL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.88 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/0(0) Plate Type(s): WAVE, HS	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.057 H 999 360 VERT(CL): 0.107 H 999 240 HORZ(LL): 0.017 L - - HORZ(TL): 0.035 L - - Creep Factor: 2.0 Max TC CSI: 0.984 Max BC CSI: 0.576 Max Web CSI: 0.728 VIEW Ver: 20.02.00A.1020.20	▲ Maximum Reactions (lbs)																																																		
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Lumber Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; Webs: 2x4 SP #3; Rt Stub Wedge: 2x8 SP SS Dense;	Wind Wind loads based on MWFRS with additional C&C member design. Wind loading based on both gable and hip roof types.
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Bracing (a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.	Maximum Bot Chord Forces Per Ply (lbs)																
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Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

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

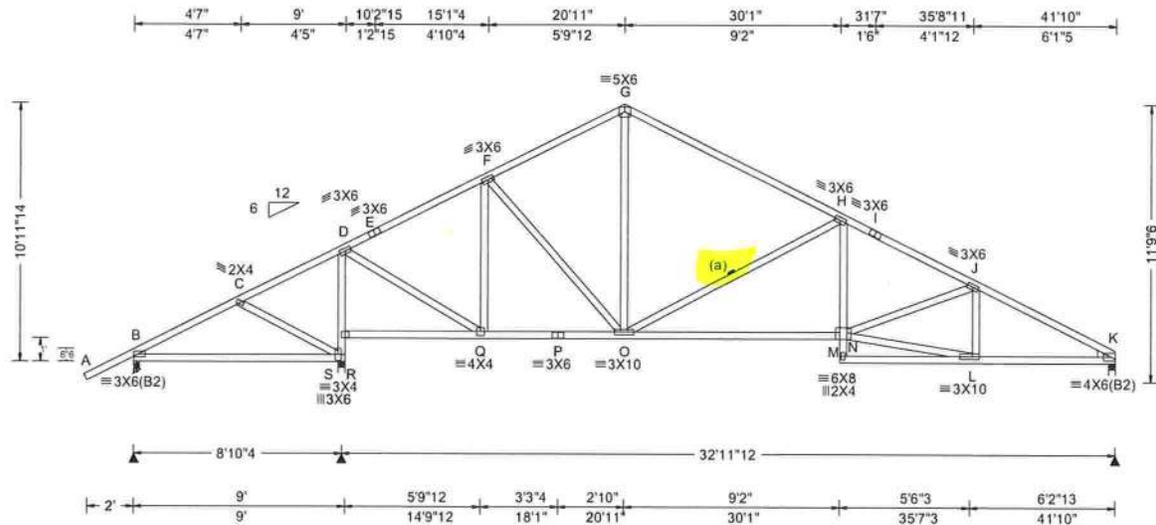
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6750 Forum Drive
Suite 305
Orlando FL, 32821



Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.18 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/0(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.122 M 999 360 VERT(CL): 0.229 M 999 240 HORZ(LL): 0.035 L - - HORZ(TL): 0.068 L - - Creep Factor: 2.0 Max TC CSI: 0.987 Max BC CSI: 0.720 Max Web CSI: 0.708 VIEW Ver: 20.02.00A.1020.20	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 430 /- /- /195 /108 /371 S 1674 /- /- /1052 /139 /- K 1236 /- /- /784 /103 /- Wind reactions based on MWFRS B Brg Width = 3.0 Min Req = 1.5 S Brg Width = 3.5 Min Req = 2.1 K Brg Width = 3.5 Min Req = 1.6 Bearings B, S, & K Fcperp = 425psi. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.
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Lumber Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; Webs: 2x4 SP #3; Rt Wedge: 2x4 SP #3;	Wind Wind loads based on MWFRS with additional C&C member design. Wind loading based on both gable and hip roof types.	Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. Q - P 894 -149 O - M 1940 -495 P - O 894 -149 L - K 1859 -521
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Bracing (a) Continuous lateral restraint equally spaced on member. Or 2x6 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.	Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. S - R 482 -1475 G - O 625 -149 R - D 508 -1412 O - H 467 -1075 D - Q 1119 -267 H - M 560 -55 Q - F 213 -488 M - L 1858 -501
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Plating Notes
Plates sized for a minimum of 3.50 sq.in./piece.

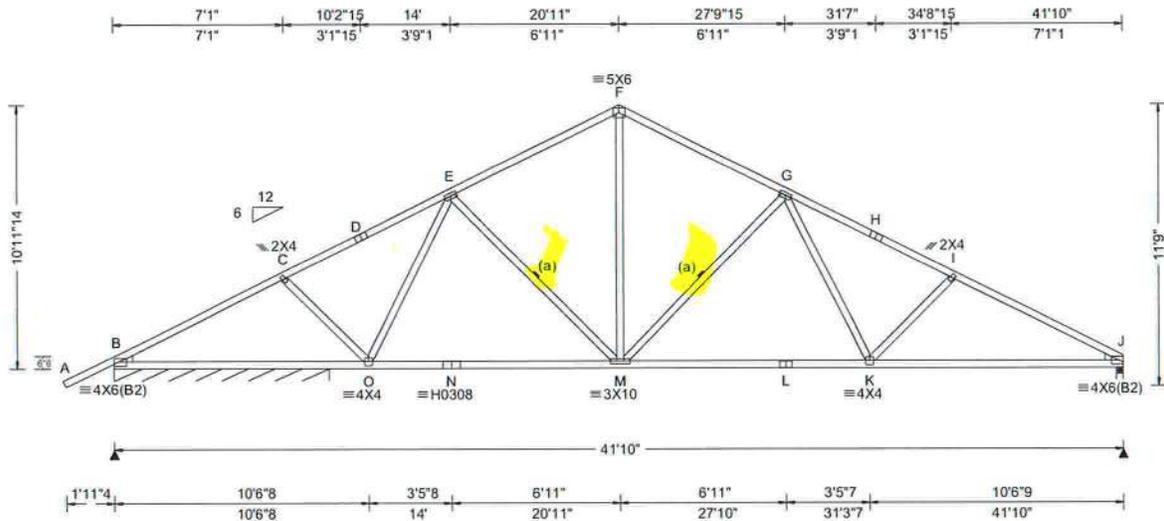
Purlins In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows: Chord Spacing(in oc) Start(ft) End(ft) TC 65 -2.07 20.91 TC 44 20.91 41.73 BC 75 0.17 8.71 BC 75 8.76 30.21 BC 120 30.23 41.66 Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.	
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Loading
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

COA #0 248
05/12/2021

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Loading Criteria (psf) TCLL: 20.00 TCCL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 4.18 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/0(0) Plate Type(s): WAVE, HS	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.177 M 999 360 VERT(CL): 0.332 M 999 240 HORZ(LL): 0.077 K - - HORZ(TL): 0.145 K - - Creep Factor: 2.0 Max TC CSI: 0.977 Max BC CSI: 0.977 Max Web CSI: 0.819 VIEW Ver: 20.02.00A.1020.20	▲ Maximum Reactions (lbs), or *PLF <table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>B*</td> <td>201</td> <td>-</td> <td>-</td> <td>/120</td> <td>/12</td> <td>/42</td> </tr> <tr> <td>J</td> <td>1494</td> <td>-</td> <td>-</td> <td>/855</td> <td>/96</td> <td>-</td> </tr> </tbody> </table>						Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	B*	201	-	-	/120	/12	/42	J	1494	-	-	/855	/96	-
				Loc	Gravity			Non-Gravity																												
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Lumber
 Top chord: 2x4 SP #1;
 Bot chord: 2x4 SP #1;
 Webs: 2x4 SP #3;
 Lt Wedge: 2x4 SP #3; Rt Wedge: 2x4 SP #3;

Bracing
 (a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Plating Notes
 All plates are 3X6 except as noted.
 Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC	37	-2.00	20.91
TC	38	20.91	41.73
BC	120	0.17	41.66

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

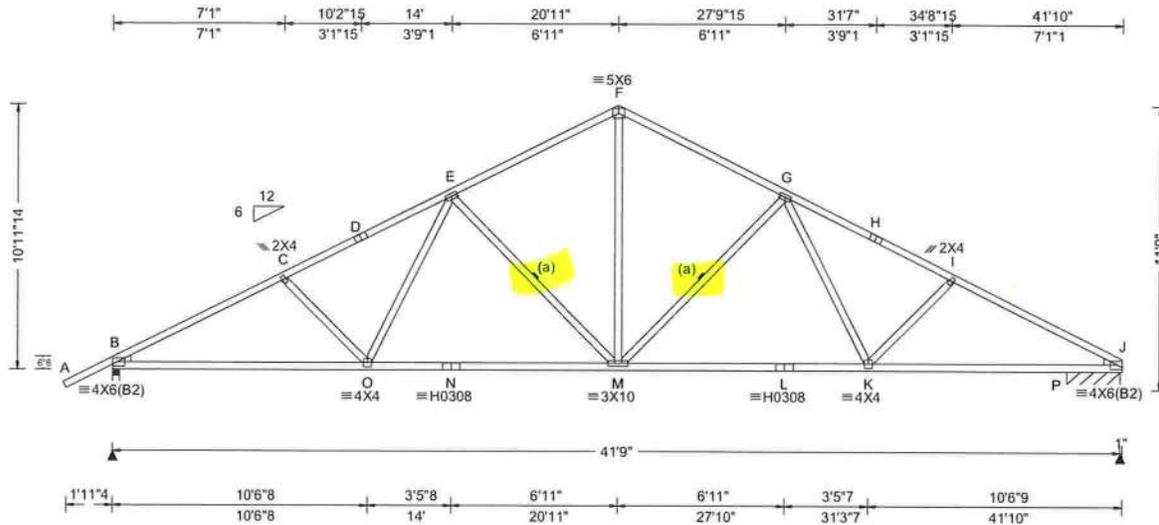
Wind
 Wind loads based on MWFRS with additional C&C member design.
 Wind loading based on both gable and hip roof types.



COA #0 278
 05/12/2021

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Loading Criteria (psf) TLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.18 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg.Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/0(0) Plate Type(s): WAVE, HS	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.199 M 999 360 VERT(CL): 0.375 M 999 240 HORZ(LL): 0.084 K - - HORZ(TL): 0.157 K - - Creep Factor: 2.0 Max TC CSI: 0.990 Max BC CSI: 0.946 Max Web CSI: 0.839 VIEW Ver: 20.02.00A,1020.20	▲ Maximum Reactions (lbs), or *=-PLF Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL					
				Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 2.1 P Brg Width = 26.5 Min Req = - Bearings B & P Fcperp = 425psi. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.					

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

Wind
 Wind loads based on MWFRS with additional C&C member design.
 Wind loading based on both gable and hip roof types.

B - C	901	-2819	F - G	769	-1838
C - D	843	-2560	G - H	919	-2498
D - E	858	-2480	H - I	903	-2574
E - F	765	-1839	I - J	973	-2846

Bracing
 (a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - O	2426 -745	M - L	2030 -544
O - N	2031 -552	L - K	2030 -544
N - M	2031 -552	K - J	4909 -1571

Plating Notes
 All plates are 3X6 except as noted.
 Plates sized for a minimum of 3.50 sq.in./piece.

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
O - E	518 -47	M - G	375 -668
E - M	353 -670	G - K	507 -110
F - M	1264 -381		

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

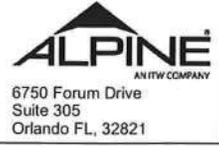
Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	33	-2.00	20.91
TC	40	20.91	41.83
BC	120	0.17	41.75

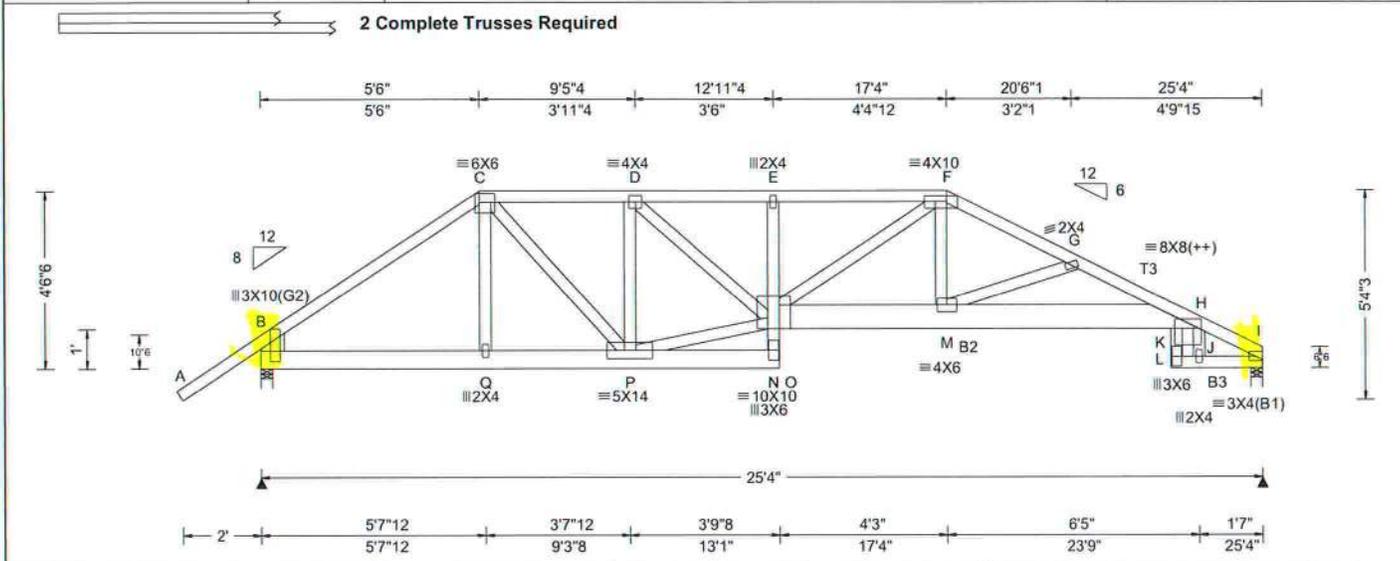
Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

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



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Loading Criteria (psf) TCCL: 20.00 TCCL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/0(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc/defl L/J# VERT(LL): 0.222 G 999 360 VERT(CL): 0.412 G 734 240 HORZ(LL): 0.168 J - - HORZ(TL): 0.312 J - - Creep Factor: 2.0 Max TC CSI: 0.983 Max BC CSI: 0.716 Max Web CSI: 0.731 VIEW Ver: 20.02.00A.1020.20	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 2512 /- /- /- /823 /- I 2141 /- /- /- /618 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.8 I Brg Width = 3.5 Min Req = 1.5 Bearings B & I Fcperp = 425psi. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 586 -1784 E - F 849 -2789 C - D 594 -1879 F - G 807 -2761 D - E 845 -2777 G - H 929 -3077					
				Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - Q 1423 -458 M - K 2832 -849 Q - P 1429 -458 K - H 2513 -759 N - M 2441 -708 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. C - P 665 -201 F - M 891 -197 P - D 299 -868 M - G 155 -434 P - N 1919 -607 L - K 1181 -347 D - N 1134 -315 J - H 514 -1702 N - F 429 -170					

Lumber
 Top chord: 2x4 SP #1; T3 2x4 SP SS Dense;
 Bot chord: 2x6 SP #1; B2 2x8 SP SS Dense;
 B3 2x4 SP SS Dense;
 Webs: 2x4 SP #3;
 Lt Stub Wedge: 2x6 SP #1;

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 57 plf at -2.16 to 57 plf at 5.50
 TC: From 28 plf at 5.50 to 28 plf at 17.33
 TC: From 56 plf at 17.33 to 56 plf at 25.33
 BC: From 5 plf at -2.16 to 5 plf at 0.00
 BC: From 20 plf at 0.00 to 20 plf at 5.53
 BC: From 10 plf at 5.53 to 10 plf at 17.30
 BC: From 20 plf at 17.30 to 20 plf at 25.33
 TC: 266 lb Conc. Load at 5.53
 TC: 94 lb Conc. Load at 7.56, 9.56, 11.58
 TC: 33 lb Conc. Load at 13.58, 15.58
 TC: 76 lb Conc. Load at 17.30
 BC: 538 lb Conc. Load at 5.53
 BC: 194 lb Conc. Load at 7.56, 9.56, 11.58
 BC: 261 lb Conc. Load at 13.58, 15.58
 BC: 718 lb Conc. Load at 17.30

Plating Notes
 (++) - This plate works for both joints covered.
 Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC	78	-2.08	5.50
TC	24	5.50	17.33
TC	49	17.33	25.23
BC	120	0.00	12.94
BC	120	12.94	23.81
BC	25	23.04	25.16

 Apply purlins to any chords with low fillers at 24" OC unless shown otherwise above.



COA #0 278
 05/12/2021

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Wind

Wind loads and reactions based on MWFRS.
Wind loading based on both gable and hip roof types.



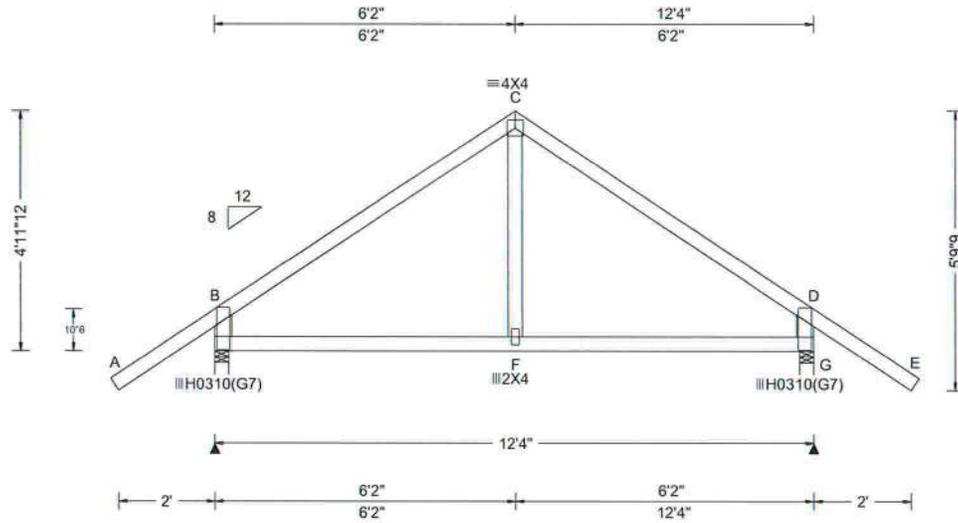
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/0(0) Plate Type(s): HS, WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.012 F 999 360 VERT(CL): 0.022 F 999 240 HORZ(LL): 0.010 F - - HORZ(TL): 0.014 F - - Creep Factor: 2.0 Max TC CSI: 0.561 Max BC CSI: 0.221 Max Web CSI: 0.097 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 602 /- /- /391 /164 /220 G 602 /- /- /391 /164 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 G Brg Width = 3.5 Min Req = 1.5 Bearings B & G Fcperp = 425psi. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 333 -493 C - D 333 -493

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Lt Stub Wedge: 2x6 SP #1;Rt Stub Wedge: 2x6 SP #1;

Plating Notes

Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC	75	-2.08	6.17
TC	75	6.17	14.41
BC	120	0.00	12.33

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

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.



COA #0 278
05/12/2021

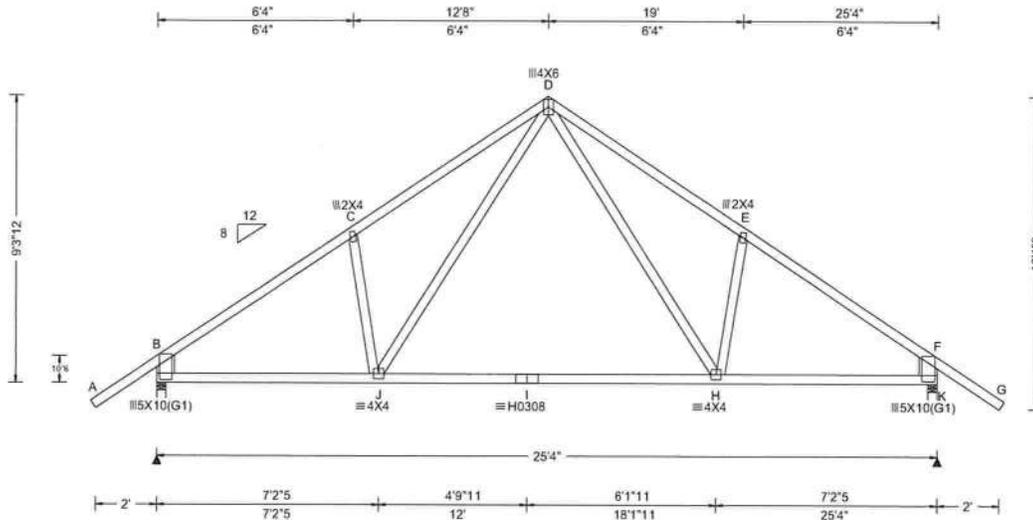
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				Loc		Gravity			Non-Gravity																						
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Lumber
 Top chord: 2x4 SP #1;
 Bot chord: 2x4 SP SS Dense;
 Webs: 2x4 SP #3;
 Lt Stub Wedge: 2x8 SP SS Dense;
 Rt Stub Wedge: 2x8 SP SS Dense;

Plating Notes
 Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC	52	-2.08	12.67
TC	52	12.67	27.41
BC	120	0.00	25.33

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

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

Wind
 Wind loads based on MWFRS with additional C&C member design.
 Wind loading based on both gable and hip roof types.



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - J	1006 - 200	I - H	677 - 81
J - I	677 - 81	H - F	1005 - 219

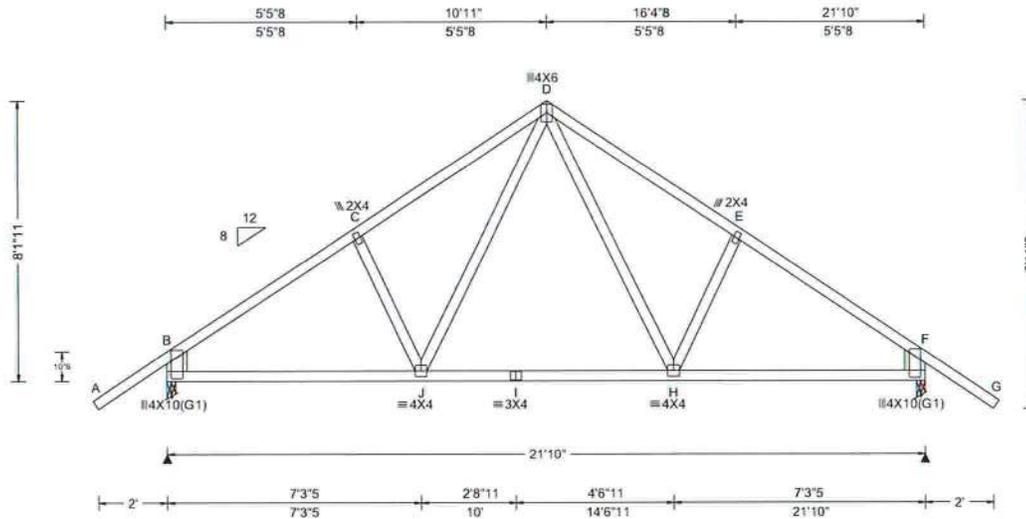
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
J - D	556 - 271	D - H	556 - 272

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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)0(0) Plate Type(s): WAVE	Def/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.058 J 999 360 VERT(CL): 0.108 J 999 240 HORZ(LL): 0.032 H - - HORZ(TL): 0.059 H - - Creep Factor: 2.0 Max TC CSI: 0.973 Max BC CSI: 0.453 Max Web CSI: 0.284 VIEW Ver: 20.02.00A.1020.20	▲ Maximum Reactions (lbs) <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>967</td> <td>-</td> <td>-</td> <td>/591</td> <td>/255</td> <td>/322</td> </tr> <tr> <td>F</td> <td>967</td> <td>-</td> <td>-</td> <td>/591</td> <td>/255</td> <td>-</td> </tr> </tbody> </table> <p>Wind reactions based on MWFRS B Brg Width = 3.0 Min Req = 1.5 F Brg Width = 3.0 Min Req = 1.5 Bearings B & F Fcperp = 425psi. Members not listed have forces less than 375#</p> Maximum Top Chord Forces Per Ply (lbs) <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Chords</th> <th>Tens.Comp.</th> <th>Chords</th> <th>Tens. Comp.</th> </tr> </thead> <tbody> <tr> <td>B - C</td> <td>484 -1082</td> <td>D - E</td> <td>563 -944</td> </tr> <tr> <td>C - D</td> <td>563 -944</td> <td>E - F</td> <td>484 -1082</td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	B	967	-	-	/591	/255	/322	F	967	-	-	/591	/255	-	Chords	Tens.Comp.	Chords	Tens. Comp.	B - C	484 -1082	D - E	563 -944	C - D	563 -944	E - F	484 -1082
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Lumber

Top chord: 2x4 SP #1;
 Bot chord: 2x4 SP #1;
 Webs: 2x4 SP #3;
 Lt Stub Wedge: 2x8 SP SS Dense;
 Rt Stub Wedge: 2x8 SP SS Dense;

Plating Notes

Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC	61	-2.08	10.92
TC	61	10.92	23.91
BC	120	0.00	21.83

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

Loading

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

Wind

Wind loads based on MWFRS with additional C&C member design.
 Wind loading based on both gable and hip roof types.

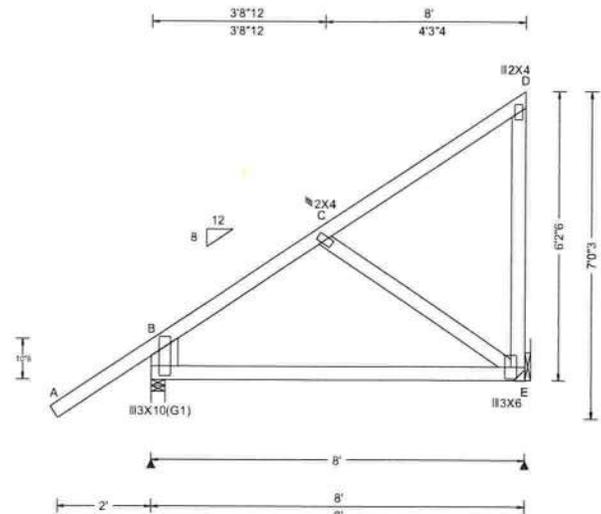


Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - J	807 -186	I - H	578 -76
J - I	578 -76	H - F	806 -210

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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/0(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): -0.006 C 999 360 VERT(CL): -0.017 C 999 240 HORZ(LL): 0.008 E - - HORZ(TL): 0.025 E - - Creep Factor: 2.0 Max TC CSI: 0.349 Max BC CSI: 0.448 Max Web CSI: 0.113 VIEW Ver: 20.02.00A.1020.20	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 452 /- /- /316 /43 /265 E 291 /- /- /241 /157 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 E Brg Width = - Min Req = - Bearing B Fcperp = 425psi. Members not listed have forces less than 375#
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Lumber
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Lt Stub Wedge: 2x8 SP SS Dense;

Plating Notes
Plates sized for a minimum of 3.50 sq.in./piece.

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)
TC	75	-2.08	8.00
BC	96	0.00	8.00

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

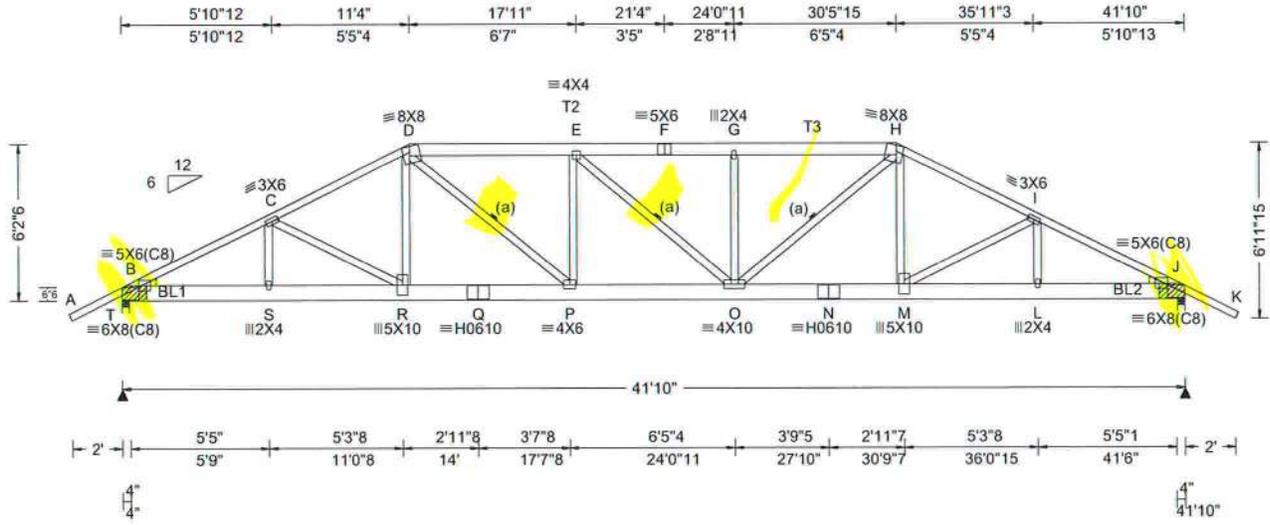
Hangers / Ties
(J) Hanger Support Required, by others

Wind
Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.



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				T 4097 /- /- /- /1701 /- J 4096 /- /- /- /1701 /- Wind reactions based on MWFRS T Brg Width = 3.5 Min Req = - J Brg Width = 3.5 Min Req = - Bearings T & J Fcperp = 425psi. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.			

Lumber
 Top chord: 2x4 SP SS Dense; T2,T3 2x6 SP #1;
 Bot chord: 2x8 SP SS Dense;
 Webs: 2x4 SP #3;
 Lt Wedge: 2x4 SP #3; Rt Wedge: 2x4 SP #3;

Bracing
 (a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5".min.)nails @ 6" oc.

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)
TC	23	-2.07	11.33
TC	24	11.33	30.50
TC	23	30.50	43.90
BC	59	0.15	41.69

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

Maximum Bot Chord Forces Per Ply (lbs)
 Chords Tens.Comp. Chords Tens. Comp.

B - S	6860 - 2869	O - N	6944 - 2985
S - R	6870 - 2877	N - M	6944 - 2985
R - Q	6938 - 2983	M - L	6873 - 2878
Q - P	6938 - 2983	L - J	6863 - 2871
P - O	8484 - 3726		

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

TC: From 56 plf at -2.13 to 56 plf at 11.33
TC: From 28 plf at 11.33 to 28 plf at 30.50
TC: From 56 plf at 30.50 to 56 plf at 43.96
BC: From 4 plf at -2.13 to 4 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 11.36
BC: From 10 plf at 11.36 to 10 plf at 30.46
BC: From 20 plf at 30.46 to 20 plf at 41.83
BC: From 4 plf at 41.83 to 4 plf at 43.96
TC: 98 lb Conc. Load at 13.40,15.40,17.40,19.40
20.91,22.43,24.43,26.43,28.43
BC: 1410 lb Conc. Load at 11.36,30.46
BC: 201 lb Conc. Load at 13.40,15.40,17.40,19.40
20.91,22.43,24.43,26.43,28.43

Plating Notes
 Plates sized for a minimum of 3.50 sq.in./piece.

Wind
 Wind loads and reactions based on MWFRS.
 Wind loading based on both gable and hip roof types.



Maximum Web Forces Per Ply (lbs)
 Webs Tens.Comp. Webs Tens. Comp.

R - D	1766 - 622	O - H	2040 - 973
D - P	2049 - 975	H - M	1793 - 634
P - E	400 - 553	I - L	277 - 376
G - O	395 - 539		

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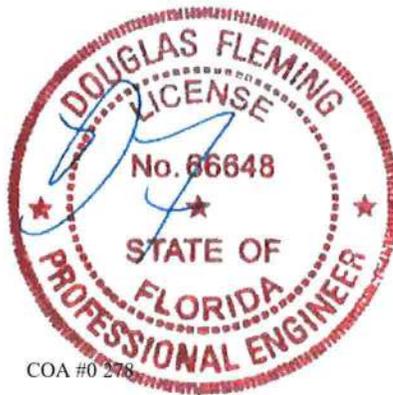
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Bearing Block(s)

Brg blocks: 0.128"x3", min. nails
 brg x-loc #blocks length/blk #nails/blk wall plate
 1 0.000' 1 12" 11 SPF Standard
 2 41.542' 1 12" 11 SPF Standard
 Brg block to be same size and species as chord.
 Refer to drawing CNNAILSP1014 for more information.



COA #0 278
 05/12/2021

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

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

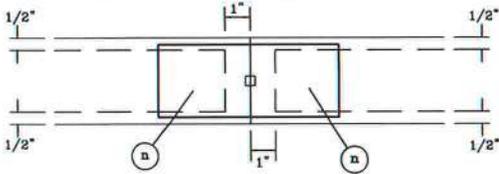
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org



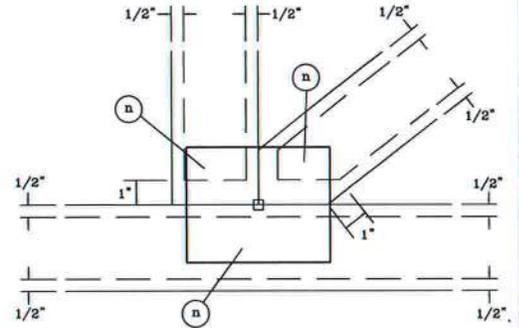
TRULOX INFORMATION DETAIL

TYPICAL OFF PANEL SPLICE

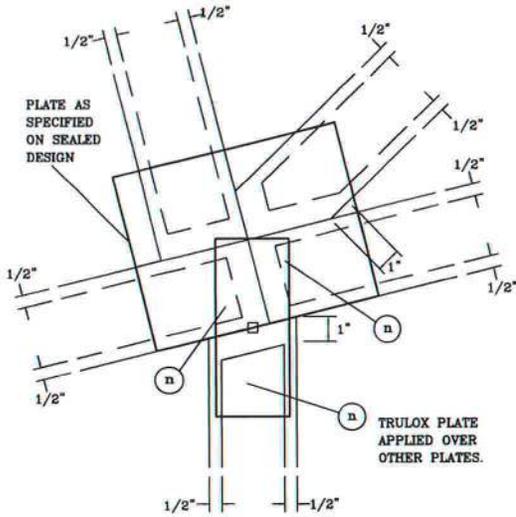


DO NOT APPLY NAILS WITHIN 1/2" OF LUMBER EDGES OR 1" OF LUMBER ENDS ON EACH FACE, AS SHOWN BY DASHED LINES.
 NAILS MUST NOT SPLIT LUMBER.

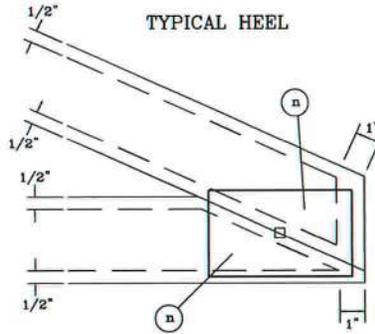
TYPICAL PANEL POINT WITHOUT SPLICE



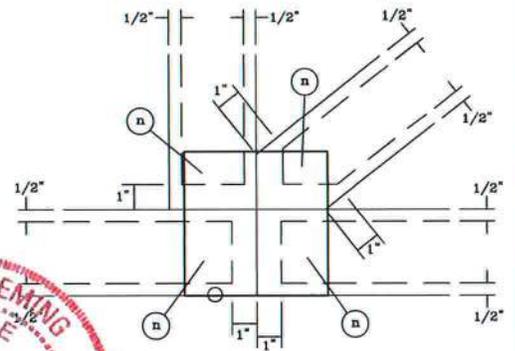
TYPICAL FILLER



TYPICAL HEEL



TYPICAL PANEL POINT SPLICE



NOTES:
 (n) IS THE REQUIRED NUMBER OF 0.120" X 1.375" NAILS, OR EQUAL, PER PLY AS SPECIFIED ON THE SEALED DESIGN REFERENCING THIS DETAIL.
 ○ LOCATES PLATE CORNER OR FLUSH EDGE.
 □ LOCATES PLATE CENTER.



TRULOX PLATING

160
TL

PAGE 1 OF 1
 DATE 10/01/14

Gable Stud Reinforcement Detail

ASCE 7-16: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

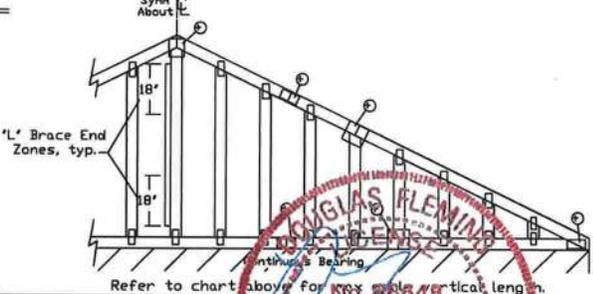
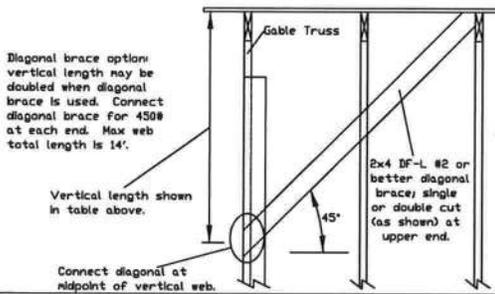
D₁: 120 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00
 D₂: 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00
 D₃: 100 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00

Max Gable Vertical Length	Gable Vertical Spacing	2x4 Vertical Species	Brace Grade	No Braces	(1) 1x4 'L' Brace		(1) 2x4 'L' Brace		(2) 2x4 'L' Brace		(1) 2x6 'L' Brace		(2) 2x6 'L' Brace			
					Group A	Group B										
					#1 / #2		#3		#1		#2		#3		#1	
24" o.c.	SPF	HF	#1 / #2	4' 3"	7' 3"	7' 7"	8' 7"	8' 11"	10' 3"	10' 8"	13' 6"	14' 0"	14' 0"	14' 0"		
					4' 1"	6' 7"	7' 1"	8' 6"	8' 10"	10' 1"	10' 6"	13' 4"	13' 10"	14' 0"	14' 0"	
					Stud	4' 1"	6' 7"	7' 0"	8' 6"	8' 10"	10' 1"	10' 6"	13' 4"	13' 10"	14' 0"	14' 0"
		SP	DFL	#1	4' 6"	7' 4"	7' 8"	8' 8"	9' 0"	10' 4"	10' 9"	13' 8"	14' 0"	14' 0"	14' 0"	
					#2	4' 3"	7' 3"	7' 7"	8' 7"	8' 11"	10' 3"	10' 8"	13' 6"	14' 0"	14' 0"	14' 0"
					#3	4' 2"	6' 0"	6' 4"	7' 11"	8' 6"	10' 2"	10' 7"	12' 5"	13' 4"	14' 0"	14' 0"
	16" o.c.	SPF	HF	#1 / #2	4' 11"	8' 4"	8' 8"	9' 10"	10' 3"	11' 8"	12' 2"	14' 0"	14' 0"	14' 0"	14' 0"	
					#3	4' 8"	8' 1"	8' 6"	9' 8"	10' 1"	11' 7"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
					Stud	4' 8"	8' 1"	8' 6"	9' 8"	10' 1"	11' 7"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		SP	DFL	#1	5' 1"	8' 5"	8' 9"	9' 11"	10' 4"	11' 10"	12' 4"	14' 0"	14' 0"	14' 0"	14' 0"	
					#2	4' 11"	8' 4"	8' 8"	9' 10"	10' 3"	11' 8"	12' 2"	14' 0"	14' 0"	14' 0"	14' 0"
					#3	4' 9"	7' 4"	7' 9"	9' 9"	10' 2"	11' 8"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
12" o.c.	SPF	HF	#1 / #2	5' 5"	9' 2"	9' 6"	10' 10"	11' 3"	11' 8"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"		
				#3	5' 1"	9' 0"	9' 4"	10' 8"	11' 1"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	
				Stud	5' 1"	9' 0"	9' 4"	10' 8"	11' 1"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	
	SP	DFL	#1	5' 8"	9' 3"	9' 8"	10' 11"	11' 4"	13' 0"	13' 6"	14' 0"	14' 0"	14' 0"	14' 0"		
				#2	5' 5"	9' 2"	9' 6"	10' 10"	11' 3"	12' 11"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"	
				#3	5' 3"	8' 5"	9' 0"	10' 9"	11' 2"	12' 10"	13' 4"	14' 0"	14' 0"	14' 0"	14' 0"	
Standard	DFL	Standard	5' 3"	8' 5"	9' 0"	10' 9"	11' 2"	12' 10"	13' 4"	14' 0"	14' 0"	14' 0"	14' 0"			
			5' 1"	7' 5"	7' 11"	9' 11"	10' 7"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"			

Bracing Group Species and Grades			
Group A:			
Spruce-Pine-Fir		Hem-Fir	
#1 / #2	Standard	#2	Stud
#3	Stud	#3	Standard
Douglas Fir-Larch		Southern Pine	
#3	Standard	#3	Standard
Group B:			
Hem-Fir			
#1 & #2			
Douglas Fir-Larch		Southern Pine	
#1	#2	#1	#2

1x4 Braces shall be SRB (Stress-Rated Board).
 For 1x4 So. Pine use only Industrial S5 or Industrial 4S Stress-Rated Boards. Group B values may be used with these grades.

Gable Truss Detail Notes:
 Wind Load deflection criterion is L/240.
 Provide uplift connections for SS pif over continuous bearing (5 psf TC Dead Load).
 Gable end supports load from 4' 0" outlookers with 2' 0" overhang, or 12" plywood overhang.



Attach 'L' braces with 10d (0.128"x30" min) nails.

- * For (1) 'L' brace: space nails at 2' o.c. in 18" end zones and 4' o.c. between zones.
- * For (2) 'L' braces: space nails at 3' o.c. in 18" end zones and 6' o.c. between zones.

'L' bracing must be a minimum of 80% of web member length.

Gable Vertical Plate Sizes	
Vertical Length	No Splice
Less than 4' 0"	1X4 or 2X3
Greater than 4' 0"	3X4

+ Refer to canon truss design for peak, splice, and heel plates.
 Refer to the Building Designer for conditions not addressed by this detail.

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 Suite 242
 Earth City, MO 63045

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 For more information see this job's general notes page and these web sites:
 ALPINE: www.alpine.com TPI: www.tpi.org SBCA: www.sbcaindustry.org ICC: www.iccsafe.org

NO. 56845
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 05126A-0178

REF	ASCE7-16-GAB14015
DATE	01/26/2018
DRWG	A14015ENC160118
MAX. TOT. LD. 60 PSF	
MAX. SPACING 24.0'	

NAIL SPACING DETAIL

MINIMUM SPACING FOR SINGLE BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

BLOCK LOCATION, SIZE, LENGTH, GRADE AND TOTAL NUMBER AND TYPE OF NAILS ARE TO BE SPECIFIED ON SEALED DESIGN REFERENCING THIS DETAIL.

LOAD PERPENDICULAR TO GRAIN

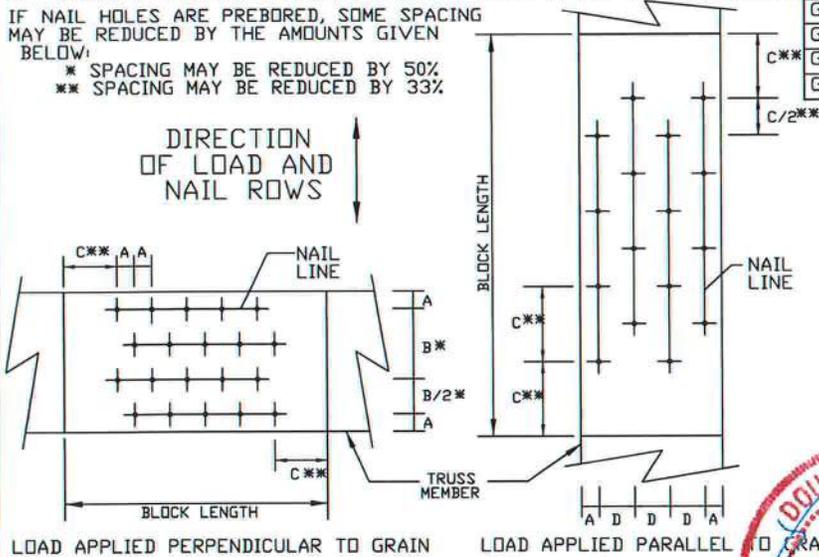
- A - EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
- B - SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
- C - END DISTANCE (15 NAIL DIAMETERS)

LOAD PARALLEL TO GRAIN

- A - EDGE DISTANCE (6 NAIL DIAMETERS)
- C - SPACING OF NAILS IN A ROW AND END DISTANCE (15 NAIL DIAMETERS)
- D - SPACING BETWEEN STAGGERED ROWS OF NAILS (7 1/2 NAIL DIAMETERS)

IF NAIL HOLES ARE PREBORED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW:

- * SPACING MAY BE REDUCED BY 50%
- ** SPACING MAY BE REDUCED BY 33%



MINIMUM NAIL SPACING DISTANCES

NAIL TYPE	DISTANCES			
	A	B*	C**	D
8d BOX (0.113" X 2.5", MIN)	3/4"	1 3/8"	1 3/4"	7/8"
10d BOX (0.128" X 3", MIN)	7/8"	1 5/8"	2"	1"
12d BOX (0.128" X 3.25", MIN)	7/8"	1 5/8"	2"	1"
16d BOX (0.135" X 3.5", MIN)	7/8"	1 5/8"	2 1/8"	1 1/8"
20d BOX (0.148" X 4", MIN)	1"	1 7/8"	2 1/4"	1 1/8"
8d COMMON (0.131" X 2.5", MIN)	7/8"	1 5/8"	2"	1"
10d COMMON (0.148" X 3", MIN)	1"	1 7/8"	2 1/4"	1 1/8"
12d COMMON (0.148" X 3.25", MIN)	1"	1 7/8"	2 1/4"	1 1/8"
16d COMMON (0.162" X 3.5", MIN)	1"	2"	2 1/2"	1 1/4"
GUN (0.120" X 2.5", MIN)	3/4"	1 1/2"	1 7/8"	1"
GUN (0.131" X 2.5", MIN)	7/8"	1 5/8"	2"	1"
GUN (0.120" X 3", MIN)	3/4"	1 1/2"	1 7/8"	1"
GUN (0.131" X 3", MIN)	7/8"	1 5/8"	2"	1"

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Earth City, MO 63045

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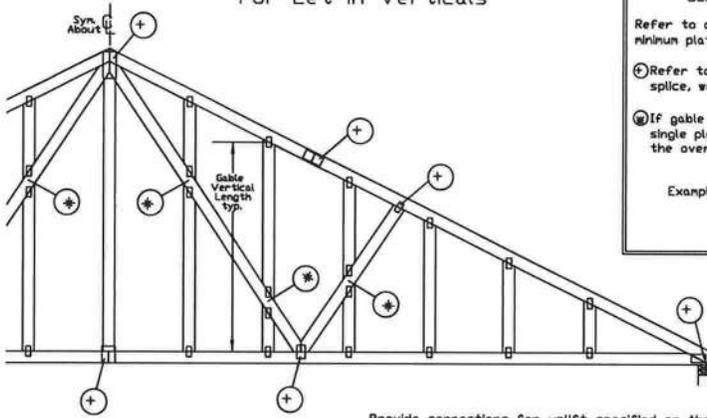
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For more information see this Job's general notes page and these web sites:
ALPINE: www.alpinetw.com | TPI: www.tpiinc.org | SBCA: www.sbcaindustry.org | ICC: www.iccsafe.org

REF	NAIL SPACE
DATE	10/01/14
DRWG	CNNAILSP1014

Gable Detail For Let-in Verticals

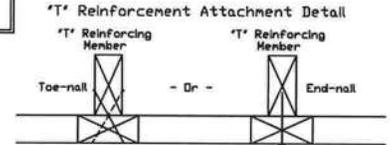


Gable Truss Plate Sizes

Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs.

- Refer to Engineered truss design for peak, splice, web, and heel plates.
- If gable vertical plates overlap, use a single plate that covers the total area of the overlapped plates to span the web.

Example:



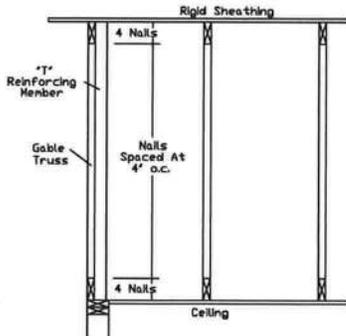
Provide connections for uplift specified on the engineered truss design.
Attach each 'T' reinforcing member with
End Driven Nails:
10d Common (0.148"x 3",min) Nails at 4' o.c. plus
(4) nails in the top and bottom chords.

Toenailed Nails:
10d Common (0.148"x3",min) Toenails at 4' o.c. plus
(4) toenails in the top and bottom chords.

This detail to be used with the appropriate Alpine gable detail for ASCE wind load.

- ASCE 7-05 Gable Detail Drawings
A13015051014, A12015051014, A11015051014, A10015051014, A14015051014,
A13030051014, A12030051014, A11030051014, A10030051014, A14030051014
- ASCE 7-10 & ASCE 7-16 Gable Detail Drawings
A11515ENC100118, A12015ENC100118, A14015ENC100118, A16015ENC100118,
A18015ENC100118, A20015ENC100118, A20015PED100118, A20015PED100118,
A11530ENC100118, A12030ENC100118, A14030ENC100118, A16030ENC100118,
A18030ENC100118, A20030ENC100118, A20030END100118, A20030PED100118,
S11515ENC100118, S12015ENC100118, S14015ENC100118, S16015ENC100118,
S18015ENC100118, S20015ENC100118, S20015END100118, S20015PED100118,
S11530ENC100118, S12030ENC100118, S14030ENC100118, S16030ENC100118,
S18030ENC100118, S20030ENC100118, S20030END100118, S20030PED100118

See appropriate Alpine gable detail for maximum reinforced gable vertical length.



To convert from 'L' to 'T' reinforcing members, multiply 'T' increase by length (based on appropriate Alpine gable detail).

Maximum allowable 'T' reinforced gable vertical length is 14' from top to bottom chord.
'T' reinforcing member material must match size, specie, and grade of the 'L' reinforcing member.

Web Length Increase w/ 'T' Brace

'T' Reinf. Mem. Size	'T' Increase
2x4	30 %
2x6	20 %

Example:
ASCE 7-10 Wind Speed = 120 mph
Mean Roof Height = 30 ft, Kzt = 1.00
Gable Vertical = 24' o.c. SP #3
'T' Reinforcing Member Size = 2x4
'T' Brace Increase (From Above) = 30% x 1.30
(1) 2x4 'L' Brace Length = 8' 7"
Maximum 'T' Reinforced Gable Vertical Length
1.30 x 8' 7" = 11' 2"



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For more information see this job's general notes page and these web sites:
ALPINE: www.alpineinc.com | TPI: www.tpinet.org | IBCA: www.ibcaindustry.org | ICD: www.icdcsa.org



REF	LET-IN VERT
DATE	01/02/2018
DRWG	GBLLETIN0118
MAX. TOT. LD.	60 PSF
DUR. FAC.	ANY
MAX. SPACING	24.0'

Piggyback Detail - ASCE 7-16: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

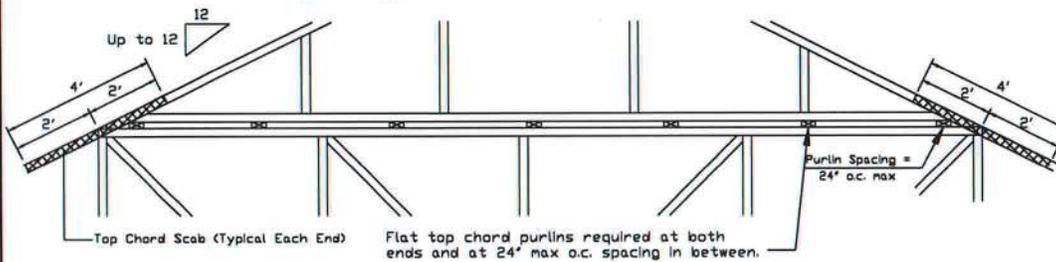
160 mph Wind, 3000 Ft Mean Hgt, ASCE 7-16, Enclosed Bldg, located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0.
 Or 140 mph wind, 30.00 Ft Mean Hgt, ASCE 7-16, Enclosed Bldg, located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

Note: Top chords of trusses supporting piggyback cap trusses must be adequately braced by sheathing or purlins. The building Engineer of Record shall provide diagonal bracing or any other suitable anchorage to permanently restrain purlins, and lateral bracing for out of plane loads over gable ends.

Maximum truss spacing is 24' o.c. detail is not applicable if cap supports additional loads such as cupola, steeple, chimney or drag strut loads.

Refer to Engineer's sealed truss design drawing for piggyback and base truss specifications.

Detail A : Purlin Spacing = 24" o.c. or less

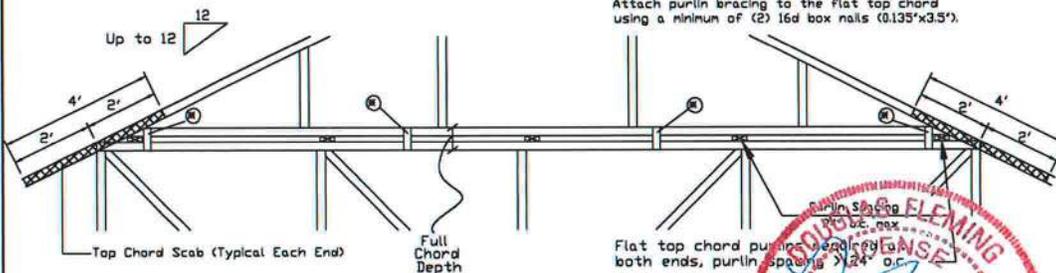


Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

Attach purlin bracing to the flat top chord using (2) 16d box nails (0.135"x3.5").

The top chord #3 grade 2x4 scab may be replaced with either of the following: (1) 3XB Trulox plate attached with (8) 0.120"x1.375" nails, (4) into cap TC & (4) into base truss TC or (2) 2BPB wave piggyback plate plated to the piggyback truss TC and attached to the base truss TC with (4) 0.120"x1.375" nails. Note: Nailing thru holes of wave plate is acceptable.

Detail B : Purlin Spacing > 24" o.c.



Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

Attach purlin bracing to the flat top chord using a minimum of (2) 16d box nails (0.135"x3.5").

In addition, provide connection with one of the following methods:

Trulox
 Use 3XB Trulox plates for 2x4 chord member, and 3X10 Trulox plates for 2x6 and larger chord members. Attach to each face @ 8' o.c. with (4) 0.120"x1.375" nails into cap bottom chord and (4) in base truss top chord. Trulox plates may be staggered 4' o.c. front to back faces.

APA Rated Gusset
 8"x8"x7/16" (min) APA rated sheathing gussets (each face). Attach @ 8' o.c. with (8) 6d common (0.113"x2") nails per gusset, (4) in cap bottom chord and (4) in base truss top chord. Gussets may be staggered 4' o.c. front to back faces.

2x4 Vertical Scabs
 2x4 SPF #2, full chord depth scabs (each face). Attach @ 8' o.c. with (6) 10d box nails (0.128"x3") per scab, (3) in cap bottom chord and (3) in base truss top chord. Scabs may be staggered 4' o.c. front to back faces.

2BPB Wave Piggyback Plate
 One 2BPB wave piggyback plate to each face @ 8' o.c. Attach teeth to piggyback at time of fabrication. Attach to supporting truss with (4) 0.120"x1.375" nails per face per ply. Piggyback plates may be staggered 4' o.c. front to back faces.



ALPINE
 AN ITW COMPANY
 13723 Riverport Drive
 Suite 200
 Maryland Heights, MD 63043

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REF	PIGGYBACK
DATE	01/02/2018
DRWG	PB160160118
SPACING	24.0'

Piggyback Detail - ASCE 7-16: 180 mph, 30' Mean Hgt, Partially Enclosed, Exp. C, Kzt=1.00

180 mph Wind, 30.00 ft Mean Hgt, ASCE 7-16, Part. Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0.
 Or 160 mph wind, 30.00 ft Mean Hgt, ASCE 7-16, Part. Enclosed Bldg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

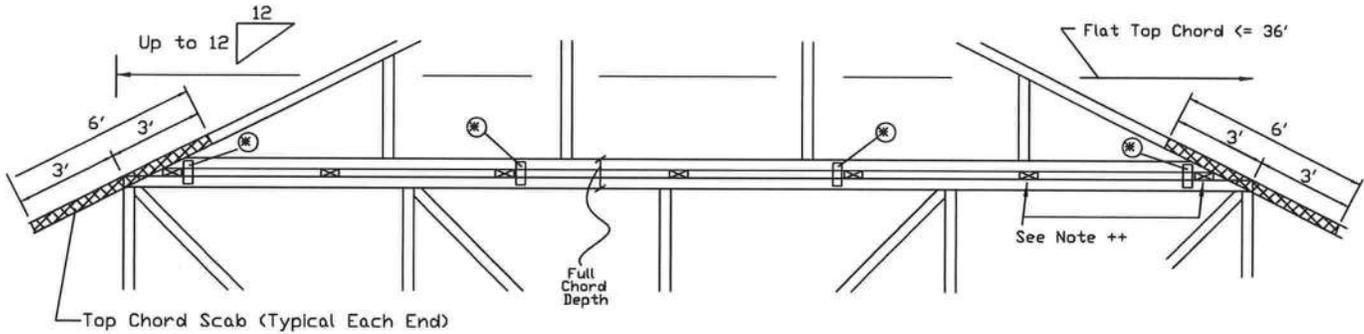
Note: Top chords of trusses supporting piggyback cap trusses must be adequately braced by sheathing or purlins. The building Engineer of Record shall provide diagonal bracing or any other suitable anchorage to permanently restrain purlins, and lateral bracing for out of plane loads over gable ends.

Maximum truss spacing is 24' o.c. detail is not applicable if cap supports additional loads such as cupola, steeple, chimney or drag strut loads.

Refer to Engineer's sealed truss design drawing for piggyback and base truss specifications.

Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

** Flat top chord purlins required at both ends and at a maximum of 24' intervals unless otherwise noted on base truss design drawing. Attach purlin bracing to the flat top chord using a minimum of (2) 16d box nails (0.135"x3.5").



In addition, provide connection with one of the following methods:	
Trulox Use 3X8 Trulox plates for 2x4 chord member, and 3X10 Trulox plates for 2x6 and larger chord members. Attach to each face @ 8' o.c. with (4) 0.120"x1.375" nails into cap bottom chord and (4) in base truss top chord. Trulox plates may be staggered 4' o.c. front to back faces.	2BPB Wave Piggyback Plate One 2BPB wave piggyback plate to each face @ 8' o.c. Attach teeth to piggyback at time of fabrication. Attach to supporting truss with (4) 0.120"x1.375" nails per face per ply. Piggyback plates may be staggered 4' o.c. front to back faces.
APA Rated Gusset 9"x8"x7/16" (min) APA rated sheathing gussets (each face). Attach @ 8' o.c. with (6) 6d common (0.113"x2") nails per gusset, (4) in cap bottom chord and (4) in base truss top chord. Gussets may be staggered 4' o.c. front to back faces.	2x4 Vertical Scabs 2x4 SPF #2, Full chord depth scabs (each face). Attach @ 8' o.c. with (6) 10d box nails (0.128"x3") per scab, (2) on cap bottom chord and (3) in base truss top chord. Scabs may be staggered 4' o.c. front to back faces.



WARNING: READ AND FOLLOW ALL NOTES ON THIS DRAWING
IMPORTANT: FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLER.
 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of ICCI Building Component Safety Information, by ITW and SBCA for best practices prior to performing these functions. Installers shall provide temporary bracing per ICCI. 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 restraints of trusses shall have bracing installed per ICCI sections B3, B7 or B10, as applicable. Apply plates to ends of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions.
 Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.
 A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
 For more information see this job's general notes page and these web sites: ALPND www.alpinecorp.com TPI www.tpi.org SBCA www.sbcindustry.org ICCI www.iccasf.org

REF	PIGGYBACK
DATE	01/02/2018
DRWG	PB180160118
SPACING	24.0'

Cracked or Broken Member Repair Detail

Load Duration = 0%

Member forces may be increased for Duration of Load

This drawing specifies repairs for a truss with broken chord or web member.

This design is valid only for single ply trusses with 2x4 or 2x6 broken members. No more than one break per chord panel and no more than two breaks per truss are allowed. Contact the truss manufacturer for any repairs that do not comply with this detail.

(B) = Damaged area, 12' max length of damaged section
 (L) = Minimum nailing distance on each side of damaged area (B)
 (S) = Two 2x4 or two 2x6 side members, same size, grade, and species as damaged member. Apply one scab per face.
 Minimum side member length(s) = (2)(L) + (B)

Scab member length (S) must be within the broken panel.
 Nail into 2x4 members using two (2) rows at 4' o.c., rows staggered.
 Nail into 2x6 members using three (3) rows at 4' o.c., rows staggered.
 Nail using 10d box or gun nails (0.128"x3", min) into each side member.

The maximum permitted lumber grade for use with this detail is limited to Visual grade #1 and MSR grade 1650f.

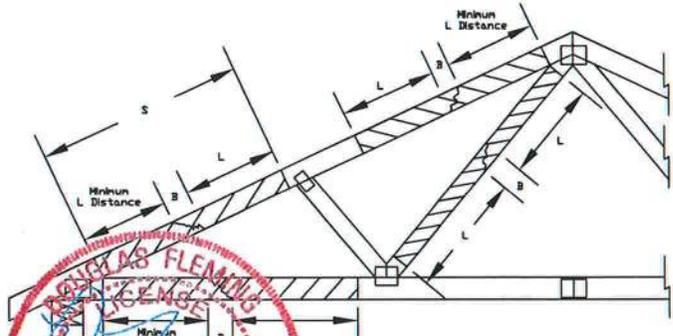
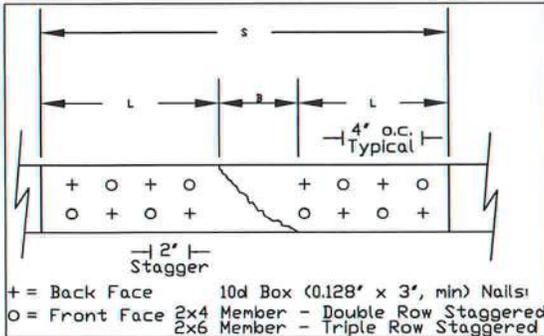
This repair detail may be used for broken connector plate at mid-panel splices.

This repair detail may not be used for damaged chord or web sections occurring within the connector plate area.

Broken chord may not support any tie-in loads.

Maximum Member Axial Force

Member	Size	L	SPF-C	HF	DF-L	SYP
Web Only	2x4	12'	620#	635#	730#	800#
Web Only	2x4	18'	975#	1055#	1295#	1415#
Web or Chord	2x4	24'	975#	1055#	1495#	1745#
Web or Chord	2x6		1465#	1585#	2245#	2620#
Web or Chord	2x4	30'	1910#	1960#	2315#	2555#
Web or Chord	2x6		2230#	2365#	3125#	3575#
Web or Chord	2x4	36'	2470#	2530#	2930#	3210#
Web or Chord	2x6		3535#	3635#	4295#	4745#
Web or Chord	2x4	42'	2975#	3045#	3505#	3835#
Web or Chord	2x6		4395#	4500#	5225#	5725#
Web or Chord	2x4	48'	3460#	3540#	4070#	4445#
Web or Chord	2x6		5165#	5280#	6095#	6660#



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 Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.
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 For more information see this job's general notes page and these web sites:
 ALPINE www.alpinetcs.com; TPI: www.tpinet.org; SICA www.sicaindustry.org; ICCI www.iccif.org



REF	MEMBER REPAIR
DATE	10/01/14
DRWG	REPCHRD1014

SPACING 24.0' MAX