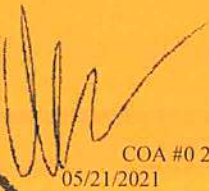
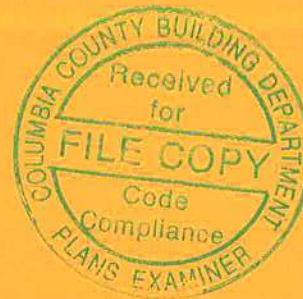


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COA #0 278
05/21/2021



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Orlando, FL 32821
Phone: (800)755-6001
www.alpineitw.com



Site Information:	Page 1:
Customer: Seminole Trusses, Inc.	Job Number: B53612a
Job Description: Hutcherson Res	
Address: NW Levi Glen, LAKE CITY, FL	

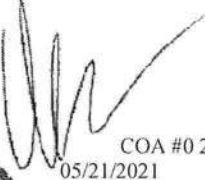
Job Engineering Criteria:			
Design Code: FBC 7th Ed. 2020 Res		IntelliVIEW Version: 20.02.00A	
		JRef #: 1X5L8570003	
Wind Standard: ASCE 7-16	Wind Speed (mph): 140	Design Loading (psf): 37.00	
Building Type: Closed			

This package contains general notes pages, 57 truss drawing(s) and 9 detail(s).

Item	Drawing Number	Truss
1	141.21.1317.46047	CJ2
3	141.21.1317.55323	CJ4
5	141.21.1318.08580	EJ8
7	141.21.1318.12340	EJ8B
9	141.21.1318.28947	GE2
11	141.21.1318.33520	H10A
13	141.21.1318.37497	H10C
15	141.21.1318.41710	H12B
17	141.21.1319.30107	H16A
19	141.21.1319.39743	H18B
21	141.21.1319.43843	H18D
23	141.21.1319.52513	HG8B
25	141.21.1320.31750	HJ11
27	141.21.1320.59710	HJ3A
29	141.21.1321.43733	MH2
31	141.21.1321.47803	MH4
33	141.21.1322.06240	MHG1
35	141.21.1322.38103	PB2
37	141.21.1323.45697	PB4
39	141.21.1323.48837	PB7
41	141.21.1323.55053	S2
43	141.21.1324.02330	S4
45	141.21.1325.14820	S6
47	141.21.1325.20653	S8
49	141.21.1325.27590	SG1
51	141.21.1325.33490	T-1

Item	Drawing Number	Truss
2	141.21.1317.52390	CJ2A
4	141.21.1318.05443	CJ6
6	141.21.1318.10297	EJ8A
8	141.21.1318.14810	GE1
10	141.21.1318.30910	GE3
12	141.21.1318.35450	H10B
14	141.21.1318.39493	H12A
16	141.21.1319.26803	H14A
18	141.21.1319.37130	H18A
20	141.21.1319.41723	H18C
22	141.21.1319.46493	HG8A
24	141.21.1319.56947	HG8C
26	141.21.1320.57420	HJ11A
28	141.21.1321.36030	MH1
30	141.21.1321.45660	MH3
32	141.21.1321.57213	MH5
34	141.21.1322.35900	PB1
36	141.21.1323.12470	PB3
38	141.21.1323.47327	PB5
40	141.21.1323.51347	S1
42	141.21.1324.00350	S3
44	141.21.1324.04427	S5
46	141.21.1325.18060	S7
48	141.21.1325.23137	S9
50	141.21.1325.30853	SG2
52	141.21.1325.36840	T-2

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Site Information:	Page 2:
Customer: Seminole Trusses, Inc.	Job Number: B53612a
Job Description: Hutcherson Res	
Address: NW Levi Glen, LAKE CITY, FL	

Item	Drawing Number	Truss
53	141.21.1325.41153	T-3
55	141.21.1325.46890	T-5
57	141.21.1325.52280	V1
59	PB180160118	
61	A14015ENC160118	
63	CNNAILSP1014	
65	VAL180160118	

Item	Drawing Number	Truss
54	141.21.1325.45133	T-4
56	141.21.1325.48647	TG-1
58	PB160160118	
60	REPCHRD1014	
62	GBLLETIN0118	
64	A14030ENC160118	
66	VALTN160118	

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.

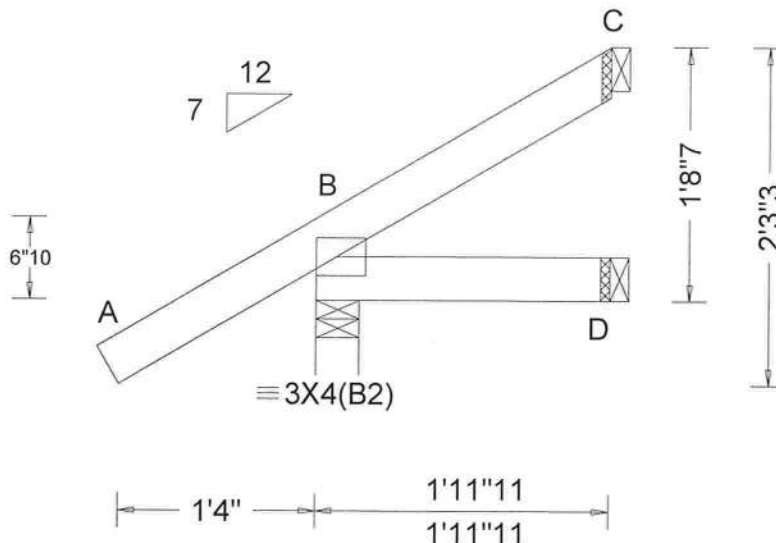
Refer to ASCE-7 for Wind and Seismic abbreviations.

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

References:

1. AWC: American Wood Council; 222 Catoctin 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.

SEQN: 65994 FROM: RNB	JACK Qty: 16	Ply: 1 Qty: 16	Job Number: B53612a Hutcherson Res Truss Label: CJ2	Cust: R 857 JRef: 1X5L8570003 T14 DrwNo: 141.21.1317.46047 SSB / WHK 05/21/2021
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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: B 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): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.001 C - - HORZ(TL): 0.001 C - - Creep Factor: 2.0 Max TC CSI: 0.135 Max BC CSI: 0.022 Max Web CSI: 0.000 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 198 /- /- /129 /22 /50 D 35 /- /- /21 /- /- C 24 /- /- /22 /19 /- 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	47	-1.41	1.97
BC	22	0.13	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.



****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.

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

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

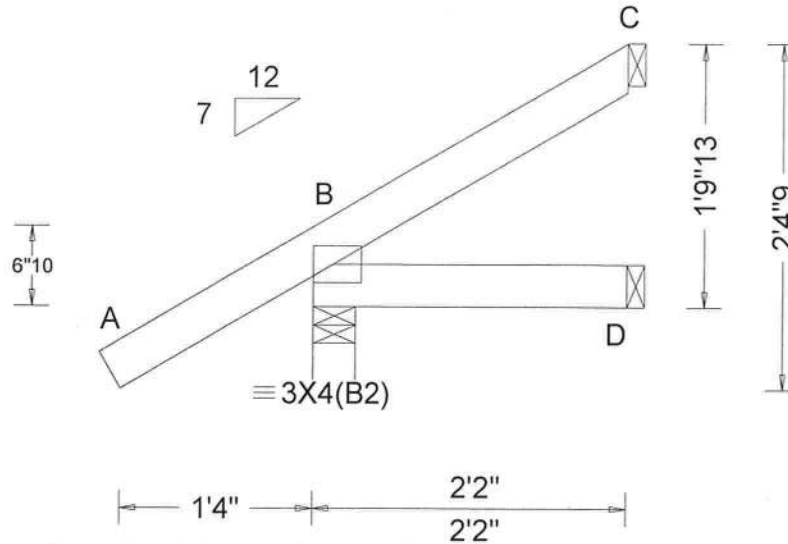
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Suite 305
Orlando FL, 32821

SEQN: 66018
FROM: RNB

JACK	Ply: 1
	Qty: 7

Job Number: B53612a
Hutcherson Res
Truss Label: CJ2A

Cust: R 857	JRef: 1X5L8570003	T18
DrwNo: 141.21.1317.52390		
SSB / WHK	05/21/2021	



Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)			Defl/CSI Criteria			▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection in loc L/defl L/#			Gravity			Non-Gravity					
TCDL: 7.00	Speed: 140 mph	Pf: NA	Ce: NA		VERT(LL): NA	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL				
BCLL: 0.00	Enclosure: Closed	Lu: NA	Cs: NA		VERT(CL): NA	B	202	/-	/-	/130	/21	/53				
BCDL: 10.00	Risk Category: II	Snow Duration: NA			HORZ(LL): -0.001 C	-	-			/22	/-	/-				
	EXP: B Kzt: NA				HORZ(TL): 0.001 C	-	-			/23	/22	/-				
Des Ld: 37.00	Mean Height: 15.00 ft				Creep Factor: 2.0	Wind reactions based on MWFRS										
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:			Max TC CSI: 0.135	B	Brg Width = 3.5			Min Req = 1.5						
Soffit: 2.00	BCDL: 6.0 psf	FBC 7th Ed. 2020 Res.			Max BC CSI: 0.028	D	Brg Width = 1.5			Min Req = -						
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014			Max Web CSI: 0.000	C	Brg Width = 1.5			Min Req = -						
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes				Bearing B Fcperp = 425psi.										
	Loc. from endwall: Any	FT/RT:20(0)/0(0)				Members not listed have forces less than 375#										
	GCpi: 0.18	Plate Type(s):														
	Wind Duration: 1.60	WAVE														
					VIEW Ver: 20.02.00A.1020.20											

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	50	-1.41	2.17
BC	24	0.13	2.17

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.



05/21/2021

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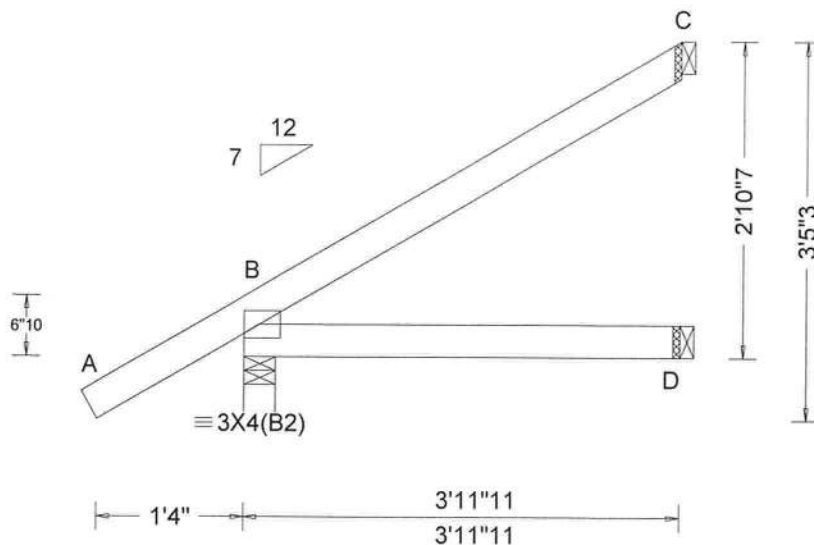
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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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Orlando FL 32821



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 7.00	Speed: 140 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	B 256 /- /- /158 /13 /83
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 D - -	D 74 /- /- /40 /- /-
	EXP: B Kzt: NA		HORZ(TL): 0.002 D - -	C 93 /- /- /49 /47 /-
Des Ld: 37.00	Mean Height: 15.00 ft		Creep Factor: 2.0	Wind reactions based on MWFRS
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Max TC CSI: 0.151	B Brg Width = 3.5 Min Req = 1.5
Soffit: 2.00	BCDL: 6.0 psf	FBC 7th Ed. 2020 Res.	Max BC CSI: 0.115	D Brg Width = 1.5 Min Req = -
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max Web CSI: 0.000	C Brg Width = 1.5 Min Req = -
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes		Bearing B Fcperp = 425psi.
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/0(0)		Members not listed have forces less than 375#
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.02.00A.1020.20	

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

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

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	-1.41	3.97
BC	46	0.13	3.97

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

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



05/21/2021

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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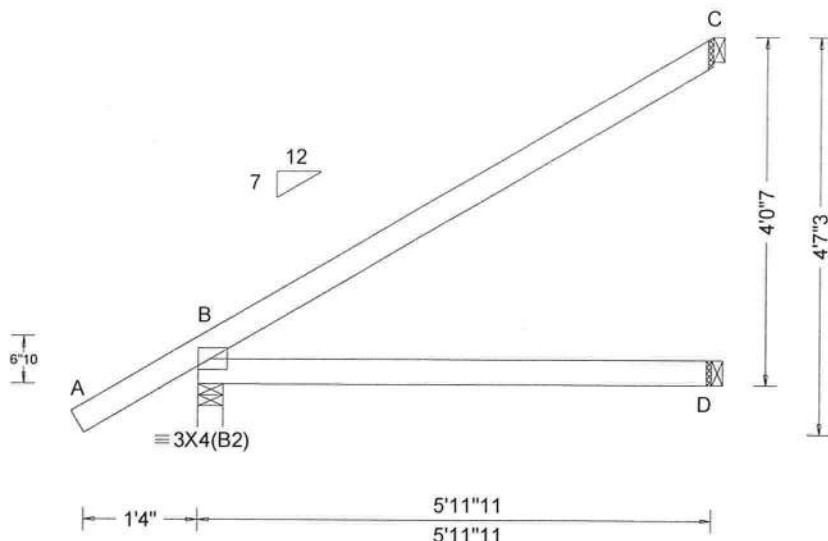
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6750 Forum Drive
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Orlando FL 32821



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 7.00	Speed: 140 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	B 327 /- /- /197 /8 /115
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.006 D - -	D 113 /- /- /60 /- /-
Des Ld: 37.00	EXP: B Kzt: NA	Building Code:	HORZ(TL): 0.011 D - -	C 149 /- /- /81 /72 /-
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	Wind reactions based on MWFRS
Soffit: 2.00	TCDL: 4.2 psf	IBC 7th Ed. 2020 Res.	Max TC CSI: 0.394	B Brg Width = 3.5 Min Req = 1.5
Load Duration: 1.25	BCDL: 6.0 psf	TPI Std: 2014	Max BC CSI: 0.283	D Brg Width = 1.5 Min Req = -
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.000	C Brg Width = 1.5 Min Req = -
	C&C Dist a: 3.00 ft	FT/RT:20(0)/0(0)		Bearing B Fcperp = 425psi.
	Loc. from endwall: not in 4.50 ft	Plate Type(s):		Members not listed have forces less than 375#
	GCpi: 0.18	WAVE		
	Wind Duration: 1.60		VIEW Ver: 20.02.00A.1020.20	

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	-1.41	5.97
BC	70	0.13	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.



05/21/2021

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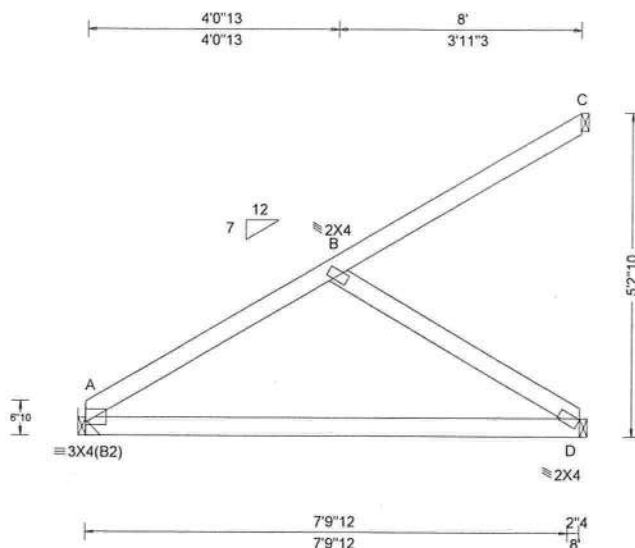
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 66006 FROM: RNB	EJAC Qty: 4	Ply: 1 Qty: 4	Job Number: B53612a Hutcherson Res Truss Label: EJ8A	Cust: R 857 JRef: 1X5L8570003 T1 DrwNo: 141.21.1318.10297 SSB / WHK 05/21/2021
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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)			Defl/CSI Criteria			▲ Maximum Reactions (lbs)							
TCLL:	20.00	Wind Std:	ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection in	loc	L/defl	L/#	Gravity				Non-Gravity		
TCDL:	7.00	Speed:	140 mph	Pf: NA		Ce: NA	VERT(LL):	-0.004	B	999 360	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL:	0.00	Enclosure:	Closed	Lu: NA	Cs: NA		VERT(CL):	-0.010	B	999 240	A	303	/-	/-	/169	/-	/129
BCDL:	10.00	Risk Category:	II	Snow Duration:	NA		HORZ(LL):	-0.003	D	- -	D	218	/-	/-	/157	/21	/-
Des Ld:	37.00	EXP: B	Kzt: NA				HORZ(TL):	0.010	D	- -	C	88	/-	/-	/46	/44	/-
NCBCLL:	10.00	Mean Height:	15.00 ft	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/0(0) Plate Type(s): WAVE			Creep Factor: 2.0			Wind reactions based on MWFRS							
Soffit:	2.00	TCDL:	4.2 psf				Max TC CSI: 0.277			A		Brg Width = -		Min Req = -			
Load Duration:	1.25	BCDL:	6.0 psf	MWFRS Parallel Dist: h/2 to h			Max BC CSI: 0.459			D		Brg Width = 1.5		Min Req = -			
Spacing:	24.0 "	C&C Dist a:	3.00 ft	Rep Fac: Yes			Max Web CSI: 0.127			C		Brg Width = 1.5		Min Req = -			
Loc. from endwall: not in 9.00 ft				FT/RT:20(0)/0(0)			VIEW Ver: 20.02.00A,1020.20			Members not listed have forces less than 375#							
GCpi: 0.18				Plate Type(s):													
Wind Duration: 1.60				WAVE													

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	0.07	8.00
BC	75	0.13	7.86

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.

Wind loading based on both gable and hip roof types.



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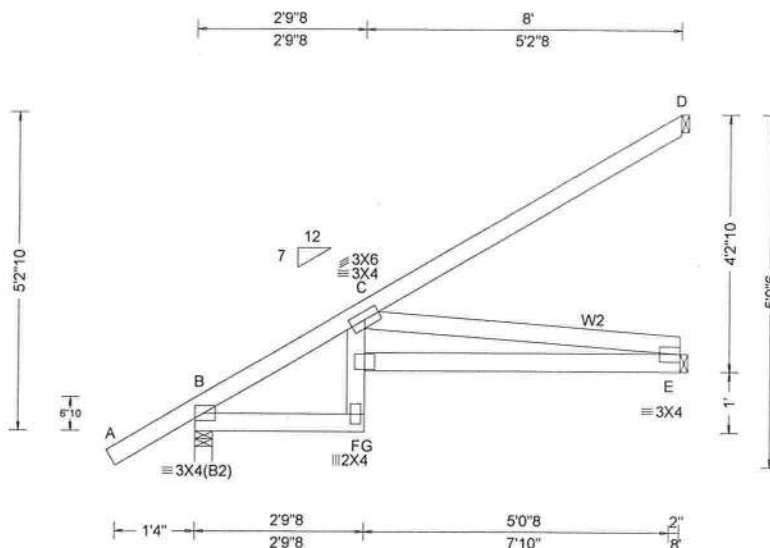
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 66025 FROM: RNB	EJAC Ply: 1 Qty: 4	Job Number: B53612a Hutcherson Res Truss Label: EJ8B	Cust: R 857 JRef: 1X5L8570003 T56 DrwNo: 141.21.1318.12340 SSB / WHK 05/21/2021
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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: B 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): 0.045 F 999 360 VERT(CL): 0.084 F 999 240 HORZ(LL): 0.029 E - - HORZ(TL): 0.053 E - - Creep Factor: 2.0 Max TC CSI: 0.331 Max BC CSI: 0.308 Max Web CSI: 0.485 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 401 /- /- /238 /4 /148 E 174 /- /- /118 /- /- D 138 /- /- /76 /63 /- 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# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #1; W2 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	-1.41	8.00
BC	30	0.13	2.65
BC	64	2.69	8.00

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.



05/21/2021

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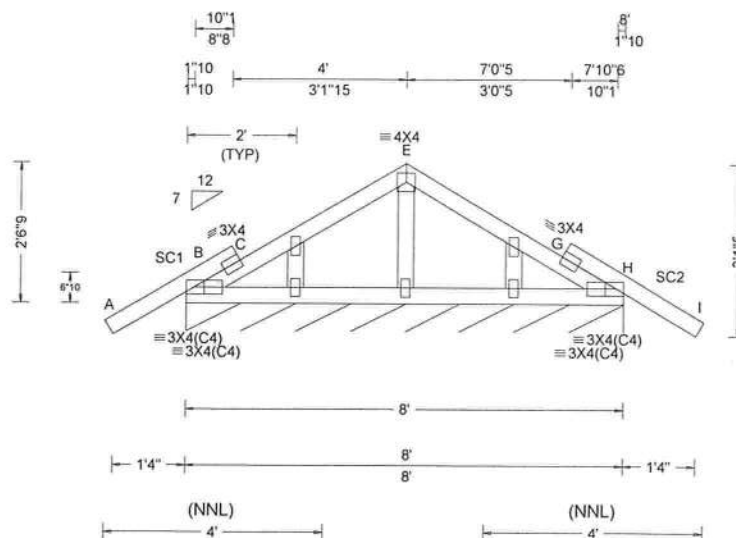
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 66643 FROM: RNB	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: B53612a Hutcherson Res Truss Label: GE1	Cust: R 857 JRef: 1X5L8570003 T23 DrwNo: 141.21.1318.14810 SSB / WHK 05/21/2021
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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: B 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/def L/# VERT(LL): 0.002 L 999 360 VERT(CL): 0.003 L 999 240 HORZ(LL): -0.001 G - - HORZ(TL): 0.001 G - - Creep Factor: 2.0 Max TC CSI: 0.156 Max BC CSI: 0.139 Max Web CSI: 0.023 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL H* 127 /- /- /53 /12 /8 Wind reactions based on MWFRS H Brg Width = 96.0 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 559 -524 G - H 426 -521

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;

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	31	-1.41	0.99
TC	54	0.00	4.00
TC	54	4.00	8.00
TC	33	6.87	9.41
BC	75	0.00	8.00

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.

Wind

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

Wind loading based on both gable and hip roof types.

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). 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.



05/21/2021

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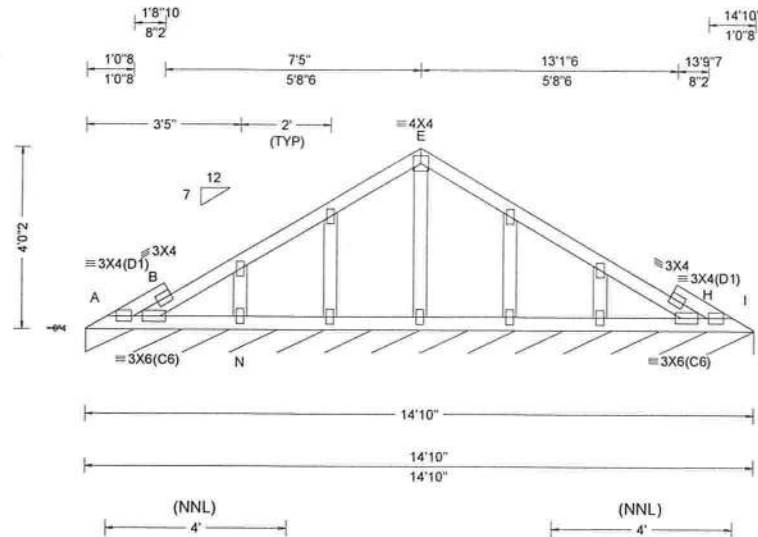
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 66647 FROM: RNB	GABL Ply: 1 Qty: 1	Job Number: B53612a Hutcherson Res Truss Label: GE2	Cust: R 857 JRef: 1X5L8570003 T22 DrwNo: 141.21.1318.28947 SSB / WHK 05/21/2021
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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: B 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): 0.004 H 999 360 VERT(CL): 0.008 H 999 240 HORZ(LL): 0.002 B - - HORZ(TL): 0.004 B - - Creep Factor: 2.0 Max TC CSI: 0.099 Max BC CSI: 0.055 Max Web CSI: 0.047 VIEW Ver: 20.02.00A.1020.20	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity I* 102 /- /- /57 /- /9 Wind reactions based on MWFRS I Brg Width = 177 Min Req = - Bearing A 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;

Additional Notes

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

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	20	0.29	1.79
TC	75	1.33	7.42
TC	75	7.42	13.50
TC	20	13.04	14.54
BC	75	0.00	14.83

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.

Wind

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



05/21/2021

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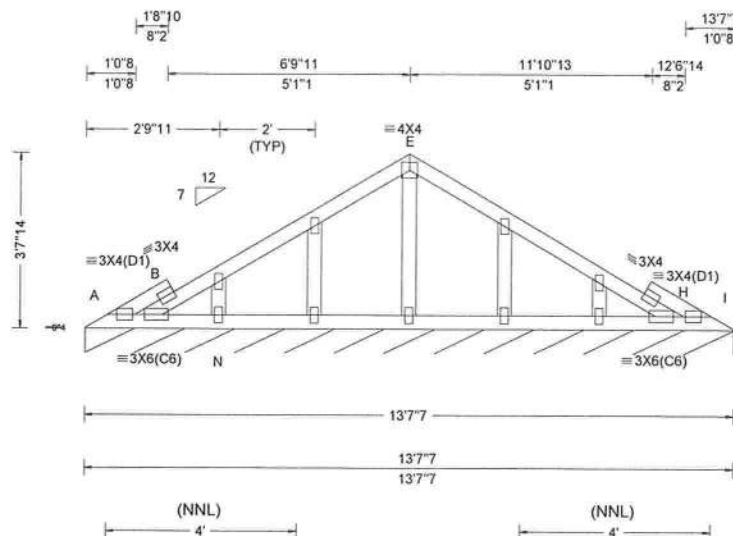
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 66649 FROM: RNB	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: B53612a Hutcherson Res Truss Label: GE3	Cust: R 857 JRef: 1X5L8570003 T47 DrwNo: 141.21.1318.30910 SSB / WHK 05/21/2021
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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: B 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): 0.002 B 999 360 VERT(CL): 0.003 B 999 240 HORZ(LL): -0.001 B - - HORZ(TL): 0.002 B - - Creep Factor: 2.0 Max TC CSI: 0.074 Max BC CSI: 0.031 Max Web CSI: 0.050 VIEW Ver: 20.02.00A,1020.20	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity I* 101 /- /- /57 /- /10 Wind reactions based on MWFRS I Brg Width = 163 Min Req = - Bearing A 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;

Additional Notes

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

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	20	0.29	1.79
TC	75	1.33	6.81
TC	75	6.81	12.28
TC	20	11.83	13.33
BC	120	0.00	13.62

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

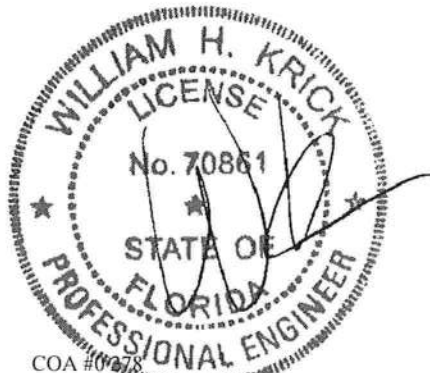
Loading

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.

Wind

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

Wind loading based on both gable and hip roof types.



05/21/2021

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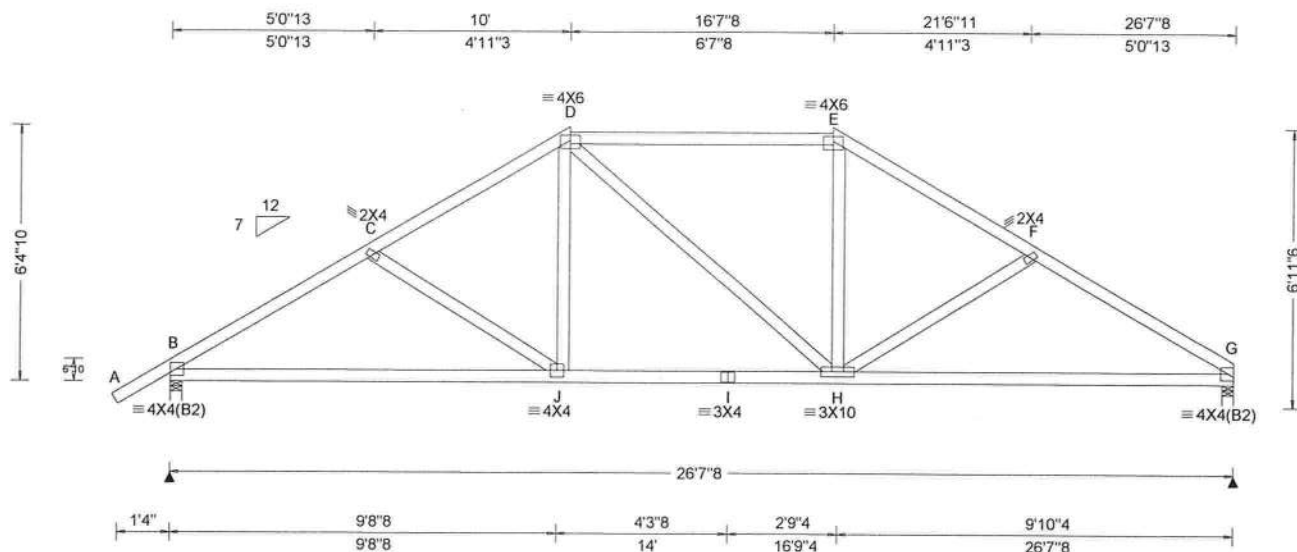
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Suite 305
Orlando FL, 32821

SEQN: 66031 FROM: RNB	HIPS Ply: 1 Qty: 1	Job Number: B53612a Hutcherson Res Truss Label: H10A	Cust: R 857 JRef: 1X5L8570003 T2 DrwNo: 141.21.1318.33520 SSB / WHK 05/21/2021
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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: B 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): 0.059 J 999 360 VERT(CL): 0.110 J 999 240 HORZ(LL): 0.029 H - - HORZ(TL): 0.054 H - - Creep Factor: 2.0 Max TC CSI: 0.997 Max BC CSI: 0.594 Max Web CSI: 0.144 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1103 /- /- /592 /103 /139 G 1012 /- /- /530 /82 /- 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 368 -1544 E - F 354 -1315 C - D 352 -1314 F - G 374 -1555 D - E 348 -1082 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - J 1259 -258 I - H 1076 -181 J - I 1076 -181 H - G 1275 -265

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	56	-1.41	10.00
TC	24	10.00	16.62
TC	57	16.62	26.56
BC	120	0.13	26.49

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.



COA #0928

05/21/2021

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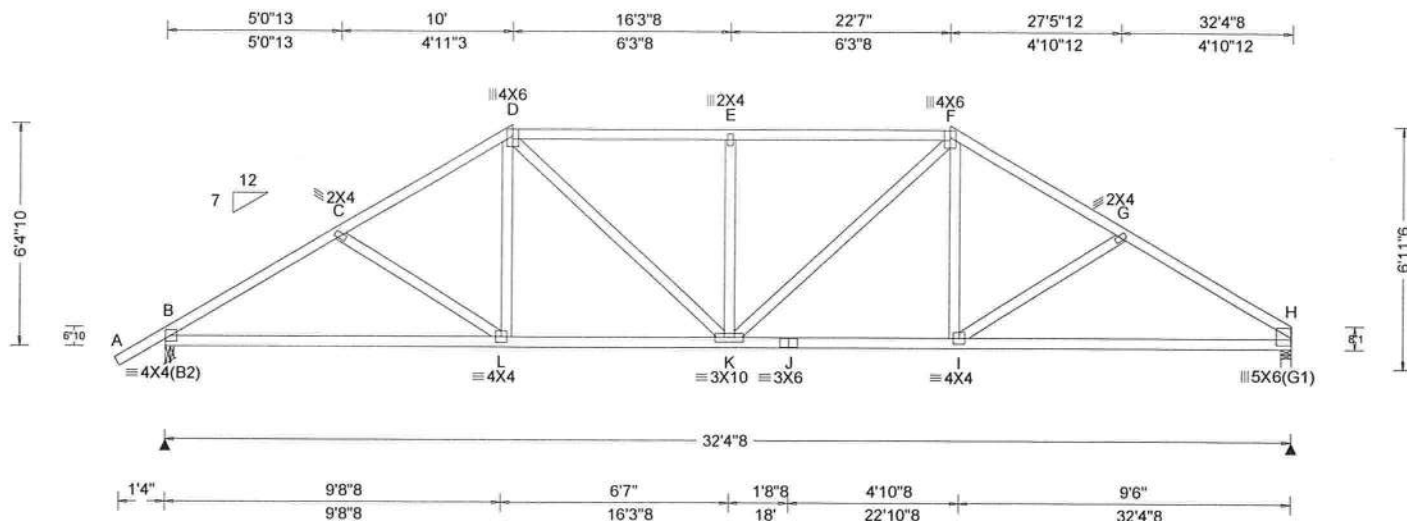
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6750 Forum Drive
Suite 305
Orlando FL, 32821



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 7.00	Speed: 140 mph	Pf: NA Ce: NA	VERT(LL): 0.096 E 999 360	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.182 E 999 240	B 1324 /- /- /705 /124 /139
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.039 I - -	H 1229 /- /- /639 /103 /-
Des Ld: 37.00	EXP: B Kzt: NA		HORZ(TL): 0.074 I - -	Wind reactions based on MWFRS
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	B Brg Width = 3.0 Min Req = 1.7
Soffit: 2.00	TCDL: 4.2 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.963	H Brg Width = 3.5 Min Req = 1.5
Load Duration: 1.25	BCDL: 6.0 psf	TPI Std: 2014	Max BC CSI: 0.595	Bearings B & H Fcperp = 425psi.
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes	Max Web CSI: 0.289	Members not listed have forces less than 375#
	C&C Dist a: 3.24 ft	FT/RT:20(0)/0(0)		Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: not in 9.00 ft	Plate Type(s):		Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18			
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.02.00A.1020.20	
Lumber				B - C 493 - 1952 E - F 585 - 1710
				C - D 475 - 1729 F - G 483 - 1729
				D - E 585 - 1710 G - H 499 - 1952

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Rt Stub 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	47	-1.41	10.00
TC	24	10.00	22.58
TC	52	22.58	32.38
BC	120	0.13	32.38

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.



05/21/2021

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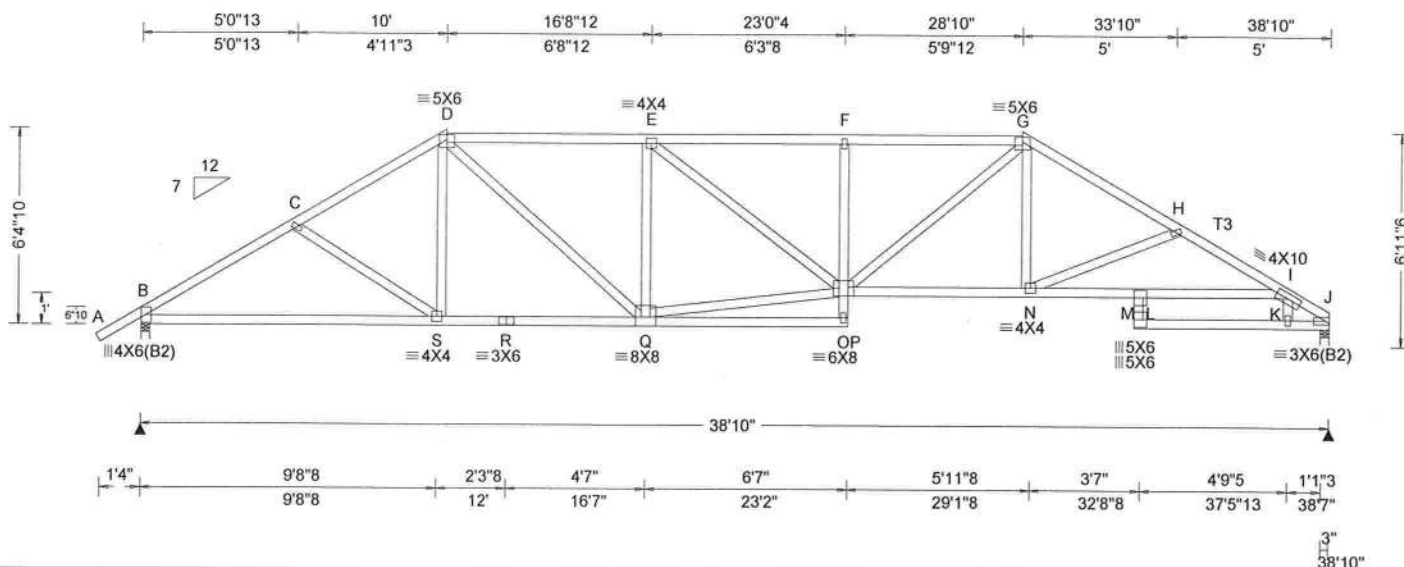
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6750 Forum Drive
Suite 305
Orlando FL 32821

SEQN: 66170 FROM: RNB	HIPS Qty: 1	Job Number: B53612a Hutcherson Res Truss Label: H10C	Cust: R 857 JRef: 1X5L8570003 T31 DrwNo: 141.21.1318.37497 SSB / WHK 05/21/2021
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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: B 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: 3.88 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	PP Deflection in loc L/defl L/# VERT(LL): 0.462 M 999 360 VERT(CL): 0.873 M 531 240 HORZ(LL): 0.251 K - - HORZ(TL): 0.474 K - - Creep Factor: 2.0 Max TC CSI: 0.989 Max BC CSI: 0.966 Max Web CSI: 0.896 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1567 - / - / - / 830 / 148 / 145 J 1478 - / - / - / 768 / 127 / - Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 2.0 J Brg Width = 3.5 Min Req = 1.9 Bearings B & J 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 598 -2395 F - G 874 -2887 C - D 584 -2187 G - H 695 -2696 D - E 746 -2385 H - I 781 -3151 E - F 870 -2874 I - J 160 -778

Lumber

Top chord: 2x4 SP #1; T3 2x4 SP SS Dense;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

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	40	-1.41	10.00
TC	24	10.00	28.83
TC	31	28.83	38.77
BC	120	0.13	23.02
BC	120	23.02	37.56
BC	74	32.50	38.70

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.



05/21/2021

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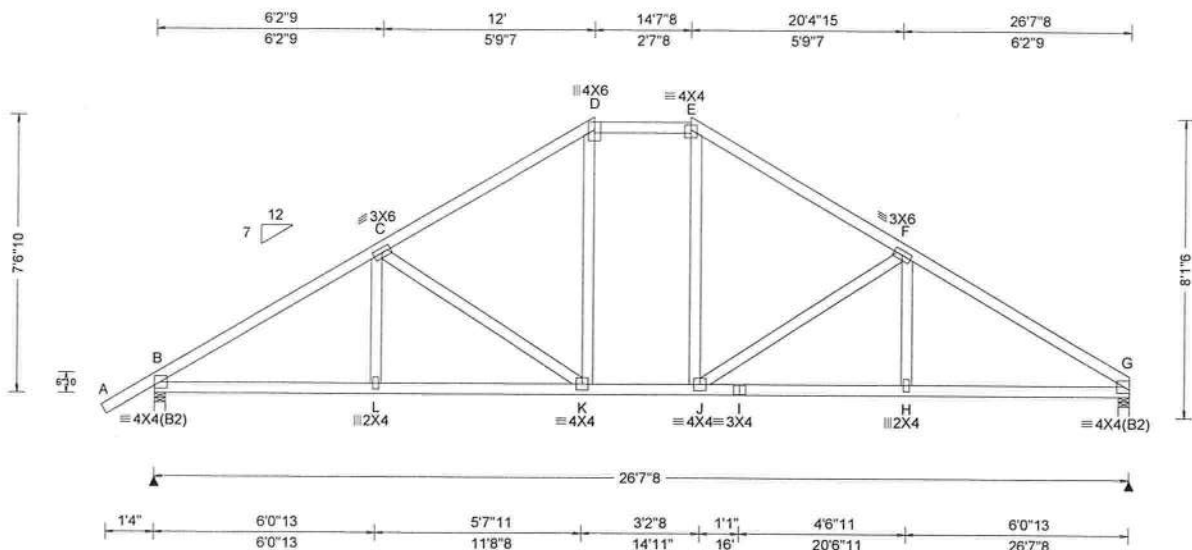
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 66036 FROM: RNB	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: B53612a Hutcherson Res Truss Label: H12A	Cust: R 857 JRef: 1X5L8570003 T3 DrwNo: 141.21.1318.39493 SSB / WHK 05/21/2021
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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)	
TCLL: 20.00		Wind Std: ASCE 7-16		Pg: NA Ct: NA CAT: NA		PP Deflection in loc L/defl L/#		Gravity Non-Gravity	
TCCL: 7.00		Speed: 140 mph		Pf: NA Ce: NA		VERT(LL): 0.063 K 999 360		Loc R+ / R- / Rh	/ Rw / U / RL
BCCL: 0.00		Enclosure: Closed		Lu: NA Cs: NA		VERT(CL): 0.161 K 999 240		B 1103 /- /- /593 /100 /162	
BCDL: 10.00		Risk Category: II		Snow Duration: NA		HORZ(LL): 0.032 H - -		G 1012 /- /- /531 /79 /-	
Des Ld: 37.00		EXP: B Kzt: NA				HORZ(TL): 0.062 D - -		Wind reactions based on MWFRS	
NCBCLL: 10.00		Mean Height: 15.00 ft		Building Code:		Creep Factor: 2.0		B Brg Width = 3.5	Min Req = 1.5
Soffit: 2.00		TCCL: 4.2 psf		FBC 7th Ed. 2020 Res.		Max TC CSI: 0.971		G Brg Width = 3.5	Min Req = 1.5
Load Duration: 1.25		BCDL: 6.0 psf		TPI Std: 2014		Max BC CSI: 0.407		Bearings B & G Fcperp = 425psi.	
Spacing: 24.0 "		MWFRS Parallel Dist: h/2 to h		Rep Fac: Yes		Max Web CSI: 0.415		Members not listed have forces less than 375#	
		C&C Dist a: 3.00 ft		FT/RT:20(0)/0(0)				Maximum Top Chord Forces Per Ply (lbs)	
		Loc. from endwall: not in 9.00 ft		Plate Type(s):		VIEW Ver: 20.02.00A.1020.20		Chords Tens.Comp.	Chords Tens. Comp.
		GCpi: 0.18		WAVE				B - C 227 -1560	E - F 258 -1181
		Wind Duration: 1.60						C - D 257 -1180	F - G 232 -1572
								D - E 256 -936	

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	54	-1.41	12.00
TC	24	12.00	14.62
TC	55	14.62	26.56
BC	120	0.13	26.49

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.



05/21/2021

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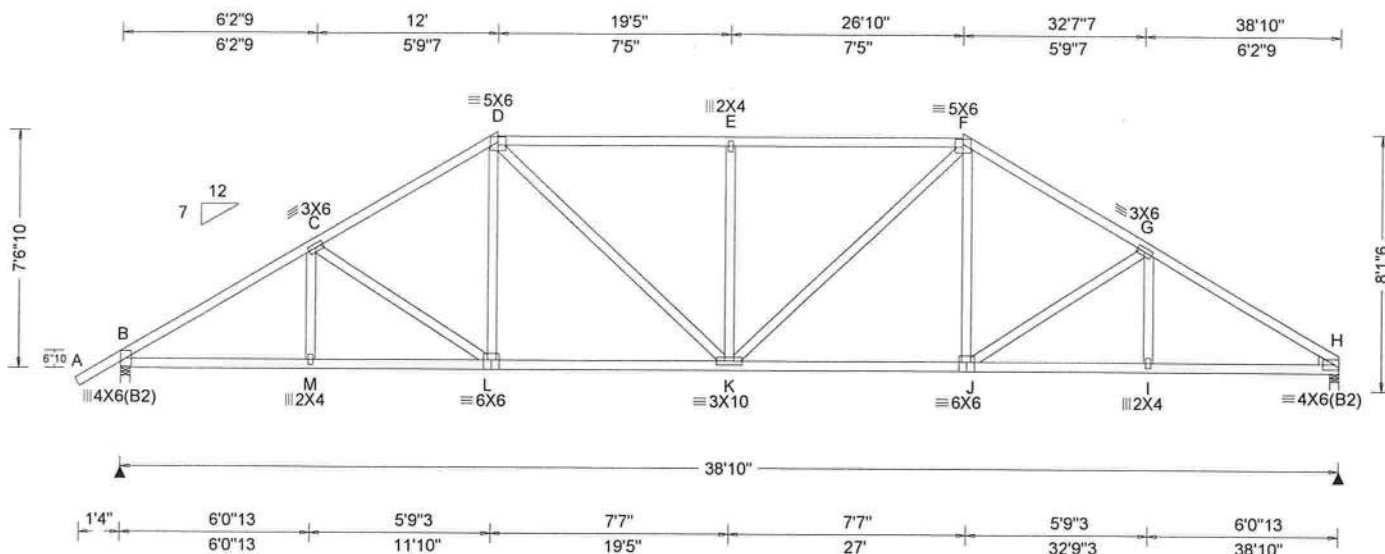
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 66174 FROM: RNB	HIPS Ply: 1 Qty: 1	Job Number: B53612a Hutcherson Res Truss Label: H12B	Cust: R 857 JRef: 1X5L8570003 T32 DrwNo: 141.21.1318.41710 SSB / WHK 05/21/2021
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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: B 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: 3.88 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	PP Deflection in loc L/defl L/# VERT(LL): 0.152 E 999 360 VERT(CL): 0.287 E 999 240 HORZ(LL): 0.068 I - - HORZ(TL): 0.129 I - - Creep Factor: 2.0 Max TC CSI: 0.978 Max BC CSI: 0.758 Max Web CSI: 0.465 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1567 - / - /840 /145 /170 H 1478 - / - /777 /124 - Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 2.0 H Brg Width = 3.5 Min Req = 1.9 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 490 -2396 E - F 618 -2055 C - D 534 -2077 F - G 536 -2083 D - E 618 -2055 G - H 496 -2411

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 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	40	-1.41	12.00
TC	24	12.00	26.83
TC	41	26.83	38.77
BC	120	0.13	38.70

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 - M	1977 -357	K - J	1729 -305
M - L	1976 -359	J - I	1993 -366
L - K	1726 -306	I - H	1994 -364

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
L - D	397 0	K - F	450 -182
D - K	455 -186	F - J	399 0
E - K	318 -474		

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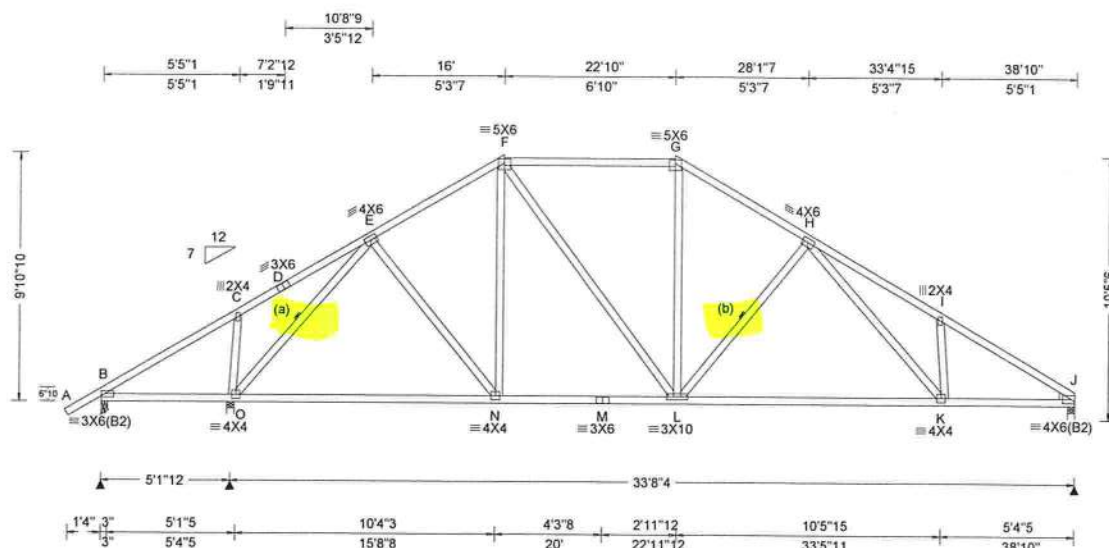
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Orlando FL, 32821





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 7.00	Speed: 140 mph	Pf: NA Ce: NA	VERT(LL): 0.086 H 999 360	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.162 H 999 240	B 300 /- /- /135 /5 /220
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.042 K - -	O 1506 /- /- /824 /- /-
	EXP: B Kzt: NA		HORZ(TL): 0.079 K - -	J 1280 /- /- /704 /- /-
Des Ld: 37.00	Mean Height: 15.00 ft		Creep Factor: 2.0	Wind reactions based on MWFRS
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Max TC CSI: 0.980	B Brg Width = 3.0 Min Req = 1.5
Soffit: 2.00	BCDL: 6.0 psf	FBC 7th Ed. 2020 Res.	Max BC CSI: 0.796	O Brg Width = 3.5 Min Req = 1.9
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max Web CSI: 0.965	J Brg Width = 3.5 Min Req = 1.6
Spacing: 24.0 "	C&C Dist a: 3.88 ft	Rep Fac: Yes		Bearings B, O, & J Fcperp = 425psi.
	Loc. from endwall: not in 9.00 ft	FT/RT:20(O)/0(O)		Members not listed have forces less than 375#
	GCpi: 0.18	Plate Type(s):		Maximum Top Chord Forces Per Ply (lbs)
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.02.00A.1020.20	Chords, Tens Comp, Chords, Tens Comp

Lumber

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

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	66	-1.41	16.00
TC	24	16.00	22.83
TC	45	22.83	38.77
BC	120	0.13	38.70

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.



05/21/2021

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!

****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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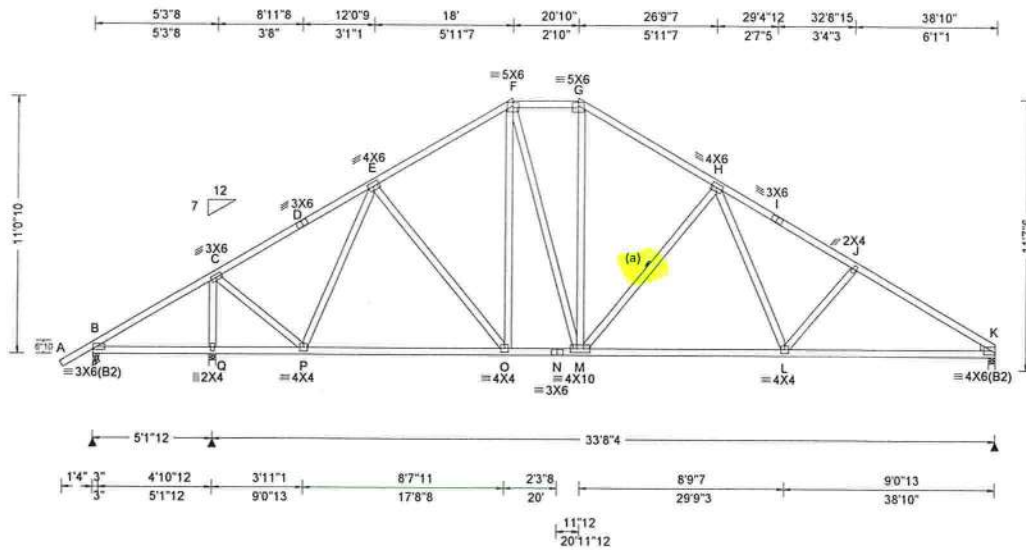
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org



6750 Forum Drive
Suite 305
Orlando FL 32821

SEQN: 66183 FROM: RNB	HIPS Ply: 1 Qty: 1	Job Number: B53612a Hutcherson Res Truss Label: H18A	Cust: R 857 JRef: 1X5L8570003 T35 DrwNo: 141.21.1319.37130 SSB / WHK 05/21/2021
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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: B 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	PP Deflection in loc L/defl L/# VERT(LL): 0.078 L 999 360 VERT(CL): 0.147 L 999 240 HORZ(LL): 0.032 L - - HORZ(TL): 0.060 L - - Creep Factor: 2.0 Max TC CSI: 0.983 Max BC CSI: 0.592 Max Web CSI: 0.791 VIEW Ver: 20.02.00A,1020.20	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 237 /-109 /- /41 /19 /245 Q 1701 /- /- /934 /- /- K 1255 /- /- /697 /- /- Wind reactions based on MWFRS B Brg Width = 3.0 Min Req = 1.5 Q Brg Width = 3.5 Min Req = 2.1 K Brg Width = 3.5 Min Req = 1.6 Bearings B, Q, & K 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 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	65	-1.41	18.00
TC	24	18.00	20.83
TC	47	20.83	38.77
BC	75	0.13	38.70

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 #00278
05/21/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
P - O	868 -20	M - L	1330 -73
O - N	908 0	L - K	1645 -166
N - M	908 0		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
Q - C	256 -1601	M - H	154 -560
C - P	1154 -67	H - L	462 0
P - E	144 -662		

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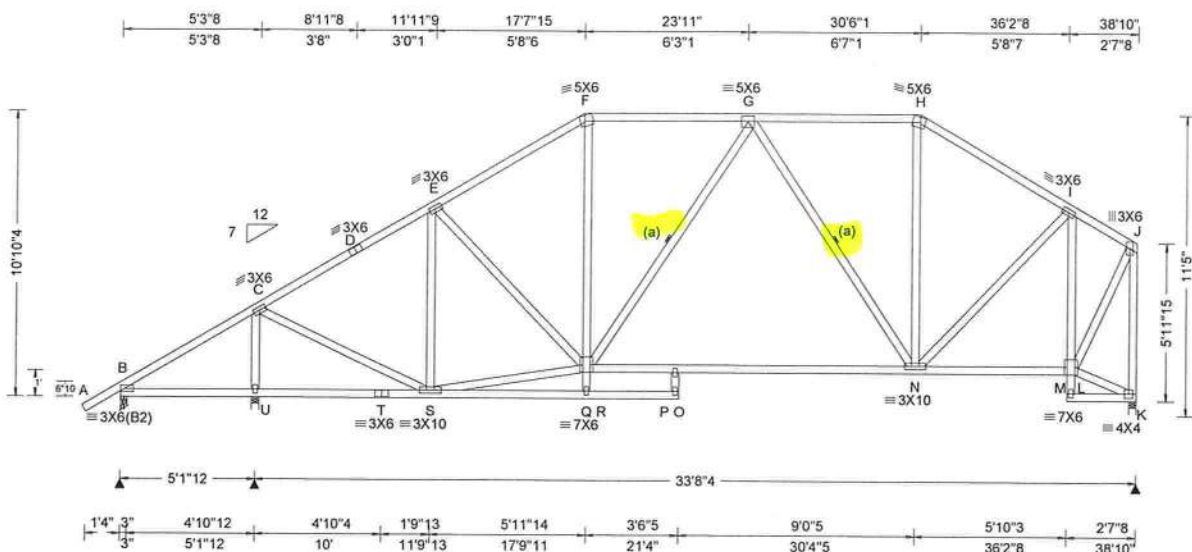
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 66200 FROM: RNB	HIPS Qty: 5	Ply: 1	Job Number: B53612a Hutcherson Res Truss Label: H18B	Cust: R 857 JRef: 1X5L8570003 T38 DrwNo: 141.21.1319.39743 SSB / WHK 05/21/2021
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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: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: > 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	PP Deflection in loc L/def L/# VERT(LL): 0.203 P 999 360 VERT(CL): 0.579 P 698 240 HORZ(LL): 0.022 K - - HORZ(TL): 0.041 K - - Creep Factor: 2.0 Max TC CSI: 0.990 Max BC CSI: 0.843 Max Web CSI: 0.823 VIEW Ver: 20.02.00A.1020.20	Gravity Loc R+ / R- / Rh / Rw / U / RL B 286 - / - / - / 123 / 27 / 305 U 1569 - / - / - / 910 - / - K 1268 - / - / - / 628 - / - Non-Gravity Wind reactions based on MWFRS B Brg Width = 3.0 Min Req = 1.5 U Brg Width = 3.5 Min Req = 2.0 K Brg Width = 3.5 Min Req = 1.6 Bearings B, U, & K 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;

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.

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	61	-1.41	17.66
TC	24	17.66	30.50
TC	71	30.50	38.83
BC	75	0.13	21.33
BC	120	17.79	36.34
BC	30	36.35	38.83

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.

Right end vertical exposed to wind pressure.
Deflection meets L/180.

Wind loading based on both gable and hip roof types.

Additional Notes

Refer to DWG PB160160118 for piggyback details.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens. Comp.	Chords	Tens. Comp.
Q - P	1143 0	N - L	517 -78
P - N	1102 0		

Maximum Web Forces Per Ply (lbs)

Webs	Tens. Comp.	Webs	Tens. Comp.
U - C	121 -1424	G - N	1 -411
C - S	1128 0	N - I	511 0
S - E	34 -585	I - L	3 -851
S - Q	993 -29	L - J	1045 -6
F - Q	389 0	J - K	0 -1238



COA #09478
05/21/2021

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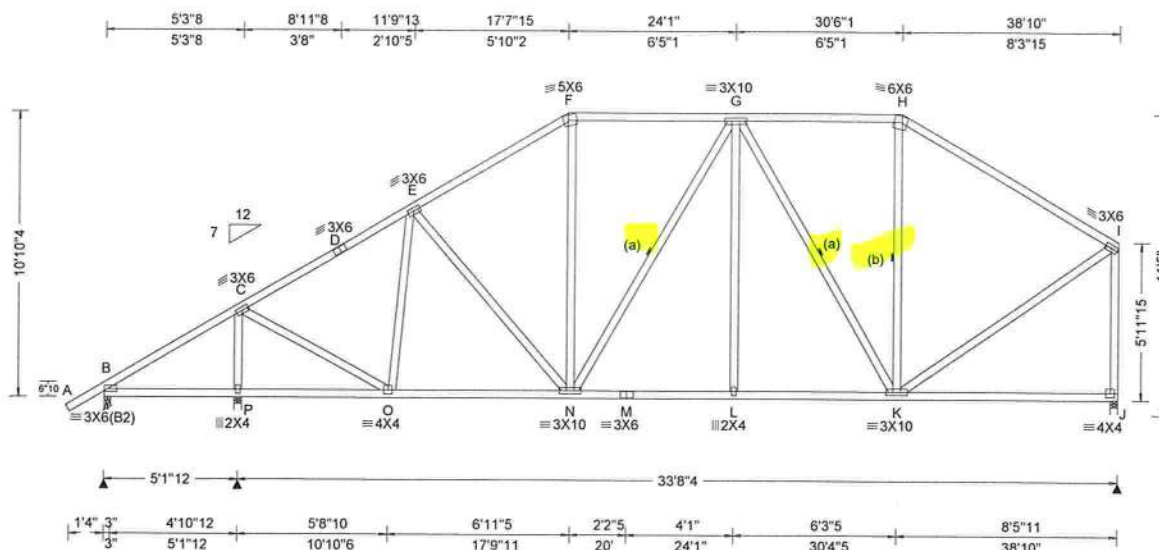
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 66207 FROM: RNB	HIPS Qty: 2	Ply: 1 Qty: 2	Job Number: B53612a Hutcherson Res Truss Label: H18C	Cust: R 857 JRef: 1X5L8570003 T45 DrwNo: 141.21.1319.41723 SSB / WHK 05/21/2021
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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)						
TCLL: 20.00		Wind Std: ASCE 7-16		Pg: NA Ct: NA CAT: NA		PP Deflection in loc L/defl L/#		Gravity		Non-Gravity				
TCDL: 7.00		Speed: 140 mph		Pf: NA Ce: NA		VERT(LL): 0.046 L 999 360		Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00		Enclosure: Closed		Lu: NA Cs: NA		VERT(CL): 0.088 L 999 240		B	286	/-	/-	/118	/27	/305
BCDL: 10.00		Risk Category: II		Snow Duration: NA		HORZ(LL): 0.014 K - -		P	1560	/-	/-	/909	/-	/-
Des Ld: 37.00		EXP: B Kzt: NA		Building Code:		HORZ(TL): 0.026 K - -		J	1326	/-	/-	/628	/-	/-
NCBCLL: 10.00		Mean Height: 15.00 ft		FBC 7th Ed. 2020 Res.		Creep Factor: 2.0		Wind reactions based on MWFRS						
Soffit: 2.00		TCDL: 4.2 psf		TPI Std: 2014		Max TC CSI: 1.000		B	Brg Width = 3.0		Min Req = 1.5			
Load Duration: 1.25		BCDL: 6.0 psf		Rep Fac: Yes		Max BC CSI: 0.487		P	Brg Width = 3.5		Min Req = 2.0			
Spacing: 24.0 "		MWFRS Parallel Dist: > 2h		FT/RT:20(0)/0(0)		Max Web CSI: 0.798		J	Brg Width = 3.5		Min Req = 1.7			
		C&C Dist a: 3.88 ft		Plate Type(s):		VIEW Ver: 20.02.00A.1020.20		Bearings B, P, & J Fcperp = 425psi.						
		Loc. from endwall: not in 9.00 ft		WAVE				Members not listed have forces less than 375#						
		GCpi: 0.18						Maximum Top Chord Forces Per Ply (lbs)						
		Wind Duration: 1.60						Chords Tens Comp Chords Tens Comp						

Lumber

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

Bracing

(b) 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.

(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.

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	-1.41	17.66
TC	24	17.66	30.50
TC	42	30.50	38.83
BC	75	0.13	38.83

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.

Right end vertical exposed to wind pressure. Deflection meets L/180.

Wind loading based on both gable and hip roof types.

Additional Notes

Refer to DWG PB160160118 for piggyback details.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
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O - N	964 -81	M - L	1072 0
N - M	1072 0	L - K	1072 0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
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P - C	98 -1434	G - K	0 -476
C - O	1144 0	K - I	996 0
O - E	37 -435	I - J	0 -1200



COA #00078

05/21/2021

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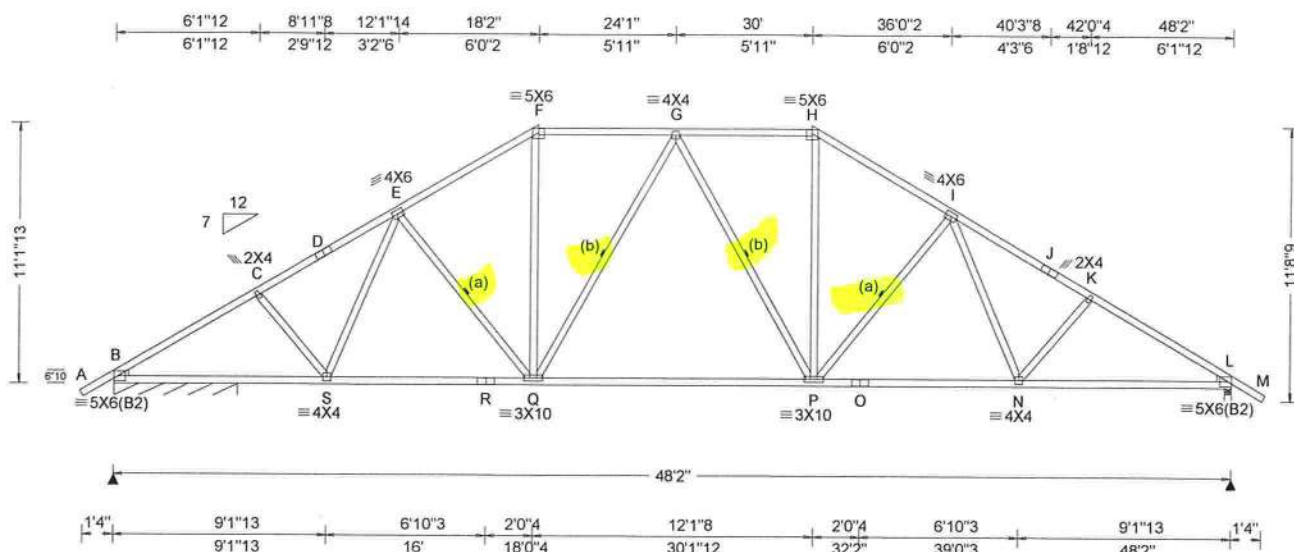
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 66136 FROM: RNB	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: B53612a Hutcherson Res Truss Label: H18D	Cust: R 857 JRef: 1X5L8570003 T44 DrwNo: 141.21.1319.43843 SSB / WHK 05/21/2021
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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	Wind Std:	ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
TCDL:	7.00	Speed:	140 mph	Pf: NA	Ce: NA		VERT(LL): 0.216 G 999 360	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL:	0.00	Enclosure:	Closed	Lu: NA	Cs: NA		VERT(CL): 0.406 G 999 240	B*	365	/-	/-	/200	/-	/51
BCDL:	10.00	Risk Category:	II	Snow Duration: NA			HORZ(LL): 0.107 N - -	L	1909	/-	/-	/1038	/-	/-
Des Ld:	37.00	EXP: B	Kzt: NA			Building Code:	HORZ(TL): 0.202 N - -	Wind reactions based on MWFRS						
NCBCLL:	10.00	Mean Height:	15.00 ft			FBC 7th Ed. 2020 Res.	Creep Factor: 2.0	B	Brg Width = 63.5		Min Req = -			
Soffit:	2.00	TCDL:	4.2 psf			TPI Std: 2014	Max TC CSI: 0.980	L	Brg Width = 3.5		Min Req = 2.4			
Load Duration:	1.25	BCDL:	6.0 psf			Rep Fac: Yes	Max BC CSI: 0.935	Bearings B & L Fcperp = 425psi.						
Spacing:	24.0 "	C&C Dist a:	4.82 ft			FT/RT:20(0)/0(0)	Max Web CSI: 0.540	Members not listed have forces less than 375#						
		Loc. from endwall:	not in 13.00 ft			Plate Type(s):		Maximum Top Chord Forces Per Ply (lbs)						
		GCpi:	0.18			WAVE HS		Chords	Tens.Comp.		Chords	Tens. Comp.		
		Wind Duration:	1.60				VIEW Ver: 20.02.00A.1020.20	B - C	550 -2933		G - H	501 -1922		

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.
(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
All plates are H0308 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	31	-1.41	18.17
TC	24	18.17	30.00
TC	32	30.00	49.57
BC	120	0.13	48.03

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.

Additional Notes
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - S	4861 -764	P - O	2251 -257
S - R	2207 -285	O - N	2251 -257
R - Q	2207 -285	N - L	2515 -342
Q - P	2021 -236		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
E - Q	173 -454	P - I	151 -508
Q - F	794 -124	I - N	385 0
H - P	800 -122		



COA #00278
05/21/2021

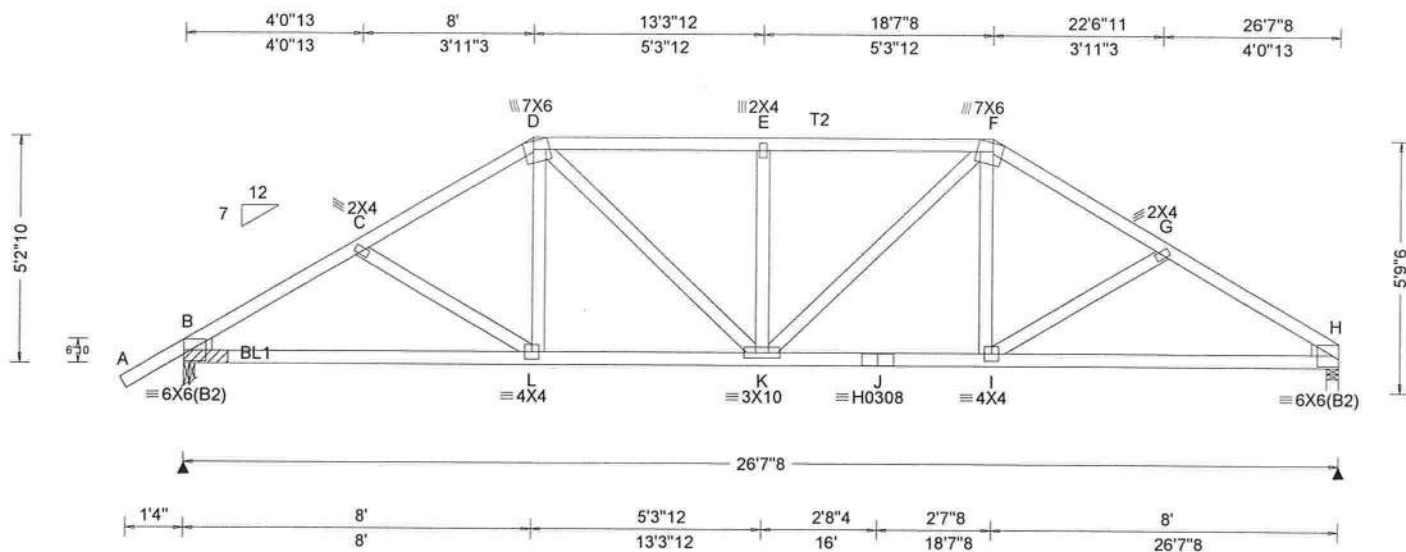
****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 66028 FROM: RNB	HIPS Ply: 1 Qty: 1	Job Number: B53612a Hutcherson Res Truss Label: HG8A	Cust: R 857 JRef: 1X5L8570003 T15 DrwNo: 141.21.1319.46493 SSB / WHK 05/21/2021
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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg, Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)			
TCLL: 20.00		Wind Std: ASCE 7-16		Pg: NA Ct: NA CAT: NA		PP Deflection in loc L/defl L/#		Gravity		Non-Gravity	
TCDL: 7.00		Speed: 140 mph		Pf: NA Ce: NA		VERT(LL): 0.193 E 999 360		Loc	R+ / R-	/ Rh	/ Rw / U / RL
BCLL: 0.00		Enclosure: Closed		Lu: NA Cs: NA		VERT(CL): 0.358 E 886 240		B	2548	-	- / 396 -
BCDL: 10.00		Risk Category: II		Snow Duration: NA		HORZ(LL): 0.086 I - -		H	2457	-	- / 369 -
Des Ld: 37.00		EXP: B Kzt: NA				HORZ(TL): 0.161 I - -		Wind reactions based on MWFRS			
NCBCLL: 10.00		Mean Height: 15.00 ft		Building Code:		Creep Factor: 2.0		B	Brg Width = 3.0	Min Req = -	
Soffit: 2.00		TCDL: 4.2 psf		FBC 7th Ed. 2020 Res.		Max TC CSI: 0.966		H	Brg Width = 3.5	Min Req = 3.1	
Load Duration: 1.25		BCDL: 6.0 psf		TPI Std: 2014		Max BC CSI: 0.979		Bearings B & H Fcperp = 425psi.			
Spacing: 24.0 "		MWFRS Parallel Dist: 0 to h/2		Rep Fac: Varies by Ld Case		Max Web CSI: 0.370		Members not listed have forces less than 375#			
		C&C Dist a: 3.00 ft		FT/RT: 20(0)/0(0)				Maximum Top Chord Forces Per Ply (lbs)			
		Loc. from endwall: not in 9.00 ft		Plate Type(s):				Chords	Tens. Comp.	Chords	Tens. Comp.
		GCpi: 0.18		WAVE, HS		VIEW Ver: 20.02.00A.1020.20		B - C	687 -4168	E - F	700 -4211
		Wind Duration: 1.60						C - D	646 -4073	F - G	648 -4083

Lumber	
Top chord: 2x4 SP SS Dense; T2 2x4 SP #1;	
Bot chord: 2x4 SP SS Dense;	
Webs: 2x4 SP #3;	
Lt Wedge: 2x4 SP #3; Rt Wedge: 2x4 SP #3;	
Special Loads	
----- (Lumber Dur. Fac. = 1.25 / Plate Dur. Fac. = 1.25)	
TC: From	56 plf at -1.48 to 56 plf at 8.00
TC: From	28 plf at 8.00 to 28 plf at 18.62
TC: From	56 plf at 18.62 to 56 plf at 26.63
BC: From	5 plf at -1.48 to 5 plf at 0.00
BC: From	20 plf at 0.00 to 20 plf at 8.03
BC: From	10 plf at 8.03 to 10 plf at 18.59
BC: From	20 plf at 18.59 to 20 plf at 26.63
TC:	217 lb Conc. Load at 8.03, 18.59
TC:	91 lb Conc. Load at 10.06, 12.06, 13.31, 14.56
16.56	
BC:	687 lb Conc. Load at 8.03, 18.59
BC:	207 lb Conc. Load at 10.06, 12.06, 13.31, 14.56
16.56	

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	29	-1.41	8.00
TC	24	8.00	18.62
TC	30	18.62	26.56
BC	104	0.13	26.49

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

Wind

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.

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" 4 SPF Standard
Brg block to be same size and species as chord.
Refer to drawing CNNAILSP1014 for more information.



05/21/2021

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

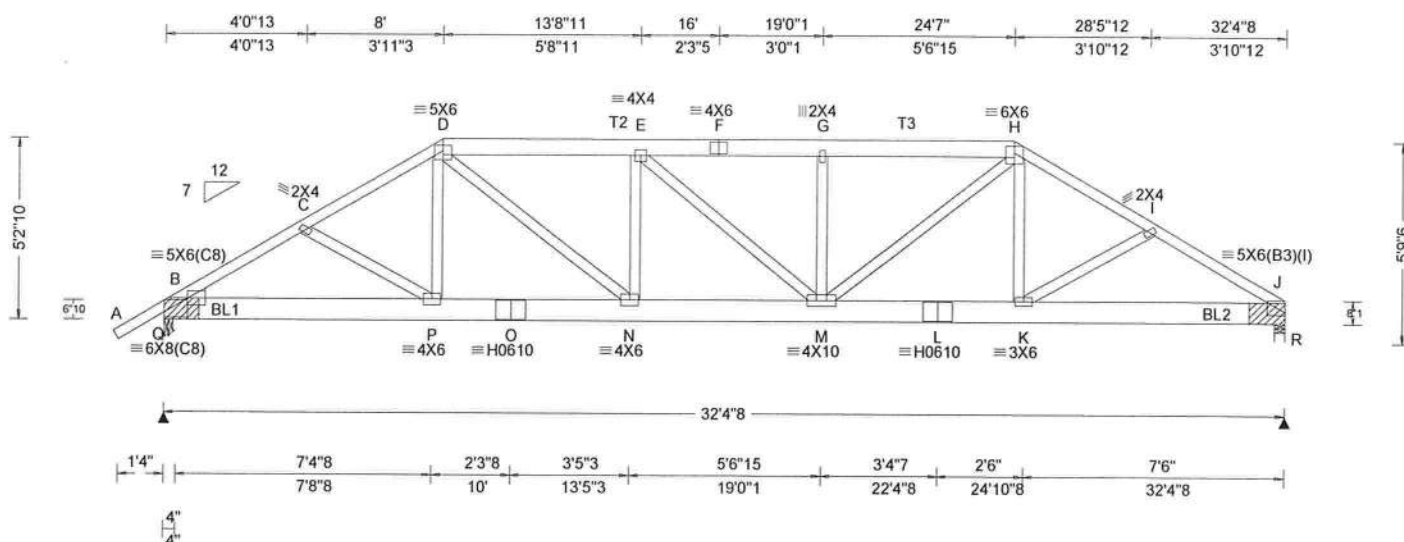
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ALPINE
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: B 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: 3.24 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: Varies by Ld Case FT/RT: 20(0)/0(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/def L/# VERT(LL): 0.216 G 999 360 VERT(CL): 0.401 G 959 240 HORZ(LL): 0.052 K - - HORZ(TL): 0.096 K - - Creep Factor: 2.0 Max TC CSI: 0.995 Max BC CSI: 0.970 Max Web CSI: 0.775 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL Q 3086 -/- /- /- /495 -/ R 3023 -/- /- /- /474 -/ Wind reactions based on MWFRS Q Brg Width = 3.0 Min Req = - R Brg Width = 3.5 Min Req = - Bearings Q & R 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 897 -5340 F - G 1003 -5904 C - D 849 -5214 G - H 1003 -5905 D - E 1001 -5905 H - I 833 -5099 E - F 1003 -5904 I - J 878 -5201

Lumber

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

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 56 plf at -1.48 to 56 plf at 8.00
TC: From 28 plf at 8.00 to 28 plf at 24.58
TC: From 56 plf at 24.58 to 56 plf at 32.38
BC: From 5 plf at -1.48 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 8.03
BC: From 10 plf at 8.03 to 10 plf at 24.55
BC: From 20 plf at 24.55 to 20 plf at 32.38
TC: 217 lb Conc. Load at 8.03,24.55
TC: 91 lb Conc. Load at 10.06,12.06,14.06,16.06
16.52,18.52,20.52,22.52
BC: 687 lb Conc. Load at 8.03,24.55
BC: 207 lb Conc. Load at 10.06,12.06,14.06,16.06
16.52,18.52,20.52,22.52

Plating Notes

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

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	24	-1.41	8.00
TC	24	8.00	24.58
TC	22	24.58	32.38
BC	115	0.13	32.23

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



COA #00278

05/21/2021

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 66163	HIPS	Ply: 1	Job Number: B53612a	Cust: R 857 JRef: 1X5L8570003 T26
FROM: RNB		Qty: 1	Hutcherson Res	DrwNo: 141.21.1319.52513
Page 2 of 2			Truss Label: HG8B	SSB / WHK 05/21/2021

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"	6	SPF Standard
2	32.083'	1	12"	4	SPF Standard

Brg block to be same size and species as chord.

Refer to drawing CNNAILSP1014 for more information.



COA #06278

05/21/2021

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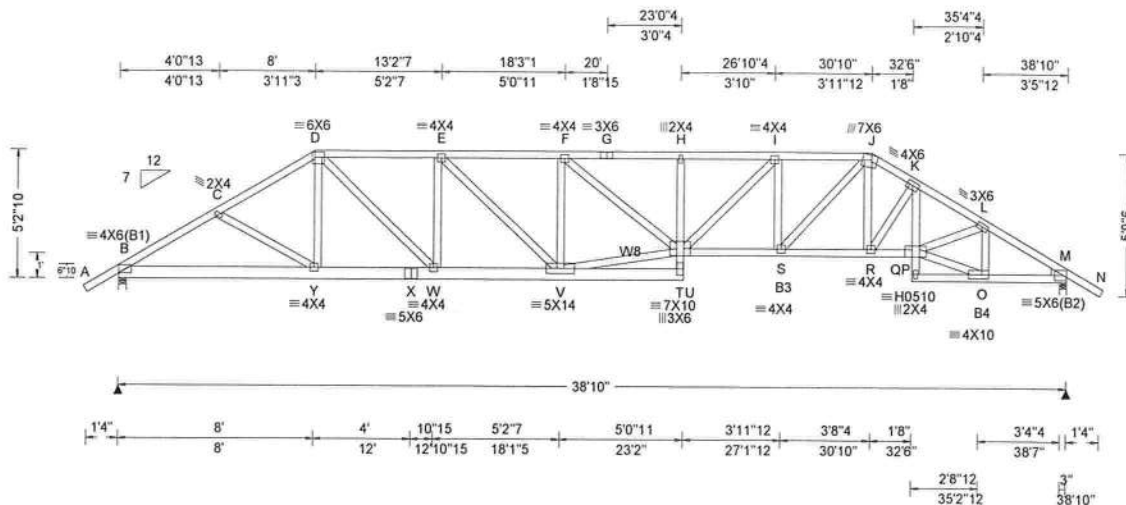
SEQN: 66161
FROM: RNB
Page 1 of 2

HIPS
Ply: 2
Qty: 1

Job Number: B53612a
Hutcherson Res
Truss Label: HG8C

Cust: R 857 JRef: 1X5L8570003 T55
DrwNo: 141.21.1319.56947
SSB / WHK 05/21/2021

2 Complete Trusses Required



Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)							
TCLL: 20.00		Wind Std: ASCE 7-16		Pg: NA Ct: NA CAT: NA		PP Deflection in loc L/defl L/#		Gravity			Non-Gravity				
TCDL: 7.00		Speed: 140 mph		Pf: NA Ce: NA		VERT(LL): 0.359 H 999 360		Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
BCLL: 0.00		Enclosure: Closed		Lu: NA Cs: NA		VERT(CL): 0.665 H 696 240		B	3699	/-	/-	/-	/604	/-	
BCDL: 10.00		Risk Category: II		Snow Duration: NA		HORZ(LL): 0.130 O - -		M	3719	/-	/-	/-	/607	/-	
Des Ld: 37.00		EXP: B Kzt: NA		Building Code:		HORZ(TL): 0.241 O - -		Wind reactions based on MWFRS							
NCBCLL: 0.00		Mean Height: 15.00 ft		FBC 7th Ed. 2020 Res.		Creep Factor: 2.0		B		Brg Width = 3.5		Min Req = 2.6			
Soffit: 2.00		TCDL: 4.2 psf		TPI Std: 2014		Max TC CSI: 0.993		M		Brg Width = 3.5		Min Req = 2.6			
Load Duration: 1.25		BCDL: 6.0 psf		Rep Fac: No		Max BC CSI: 0.916		Bearings B & M Fcperp = 425psi.							
Spacing: 24.0 "		MWFRS Parallel Dist: 0 to h/2		FT/RT:20(0)/0(0)		Max Web CSI: 0.981		Members not listed have forces less than 375#							
		C&C Dist a: 3.88 ft		Plate Type(s):		VIEW Ver: 20.02.00A.1020.20		Maximum Top Chord Forces Per Ply (lbs)							
		Loc. from endwall: not in 9.00 ft		WAVE, HS				Chords		Tens.Comp.		Chords		Tens. Comp.	
		GCpi: 0.18						B - C		537 - 3156		H - I		868 - 5033	
		Wind Duration: 1.60													

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x6 SP #1; B3, B4 2x4 SP #1;
Webs: 2x4 SP #3; W8 2x4 SP #1;
Rt Wedge: 2x4 SP #3;

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 56 plf at -1.48 to 56 plf at 8.00
TC: From 28 plf at 8.00 to 28 plf at 30.83
TC: From 56 plf at 30.83 to 56 plf at 40.31
BC: From 5 plf at -1.48 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 8.03
BC: From 10 plf at 8.03 to 10 plf at 32.50
BC: From 20 plf at 32.50 to 20 plf at 38.83
BC: From 5 plf at 38.83 to 5 plf at 40.31
TC: 217 lb Conc. Load at 8.03
TC: 91 lb Conc. Load at 10.06, 12.06, 14.06, 16.06
18.06, 19.42, 20.77, 22.77
TC: 138 lb Conc. Load at 24.77, 26.77, 28.77
TC: 156 lb Conc. Load at 30.80
BC: 687 lb Conc. Load at 8.03
BC: 207 lb Conc. Load at 10.06, 12.06, 14.06, 16.06
18.06, 19.42, 20.77, 22.77
BC: 174 lb Conc. Load at 24.77, 26.77, 28.77
BC: 797 lb Conc. Load at 30.80

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	49	-1.41	8.00
TC	24	8.00	30.83
TC	39	30.83	40.24
BC	120	0.15	23.02
BC	115	23.02	32.62
BC	73	32.65	38.70

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 - Y	2666 - 449	T - S	4331 - 737
Y - X	2672 - 441	S - R	3383 - 564
X - W	2672 - 441	R - P	3840 - 636
W - V	3648 - 628	O - M	2493 - 403

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
D - W	1319 - 249	S - J	1283 - 228
W - E	153 - 598	J - R	855 - 102
E - V	599 - 103	R - K	134 - 860
V - F	214 - 933	K - P	890 - 131
V - T	4078 - 703	P - O	2575 - 415
F - T	1155 - 199	P - L	1459 - 252
T - I	991 - 185	O - L	219 - 1182
I - S	209 - 875		



05/21/2021

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 66161	HIPS	Ply: 2	Job Number: B53612a	Cust: R 857 JRef: 1X5L8570003 T55
FROM: RNB		Qty: 1	Hutcherson Res	DrwNo: 141.21.1319.56947
Page 2 of 2			Truss Label: HG8C	SSB / WHK 05/21/2021

Wind

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.



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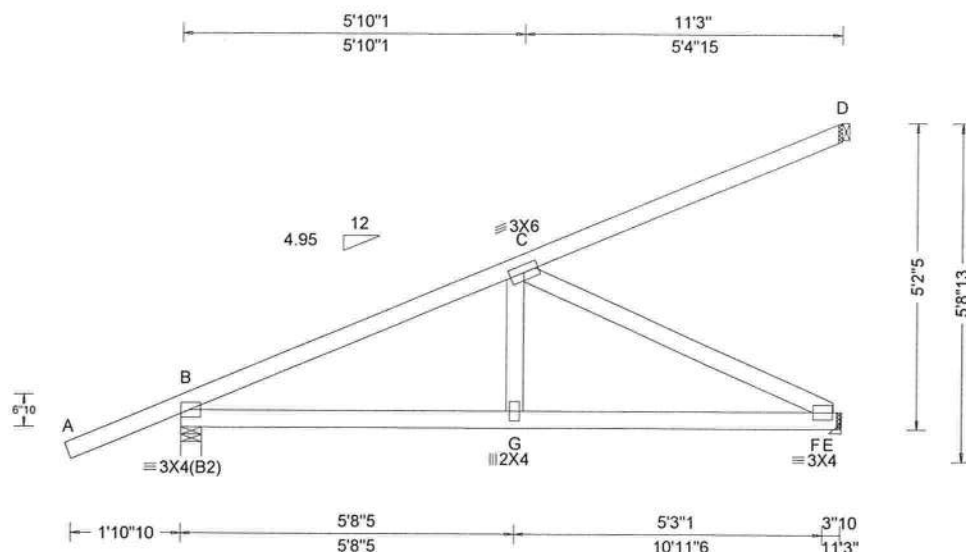
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 7.00	Speed: 140 mph	Pf: NA Ce: NA	VERT(LL): 0.032 G 999 360	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.060 G 999 240	B 472 /- /- /- /72 /-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.010 D - -	E 480 /- /- /- /36 /-
Des Ld: 37.00	EXP: B Kzt: NA		HORZ(TL): 0.018 D - -	D 126 /- /- /- /51 /-
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	Wind reactions based on MWFRS
Soffit: 2.00	TCDL: 4.2 psf	FBC 7th Ed. 2020 Res.	Max Ct CSI: 0.988	B Brg Width = 4.2 Min Req = 1.5
Load Duration: 1.25	BCDL: 6.0 psf	TPI Std: 2014	Max BC CSI: 0.705	E Brg Width = 1.5 Min Req = -
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Varies by Ld Case	Max Web CSI: 0.640	D Brg Width = 1.5 Min Req = -
	C&C Dist a: 3.00 ft	FT/RT: 20(0)/0(0)		Bearing B Fcperp = 425psi.
	Loc. from endwall: not in 4.50 ft	Plate Type(s):		Members not listed have forces less than 375#
	GCpi: 0.18	WAVE	VIEW Ver: 20.02.00A.1020.20	Maximum Top Chord Forces Per Ply (lbs)
	Wind Duration: 1.60			Chords Tens Comp

Lumber

Top chord: 2x4 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	-2.00 to	55 plf at	-0.11
TC:	From	2 plf at	-0.11 to	2 plf at	11.25
BC:	From	0 plf at	-2.00 to	4 plf at	-0.11
BC:	From	2 plf at	-0.11 to	2 plf at	11.25
TC:	49 lb Conc. Load at	2.79			
TC:	185 lb Conc. Load at	5.62			
TC:	299 lb Conc. Load at	8.45			
BC:	70 lb Conc. Load at	2.79			
BC:	148 lb Conc. Load at	5.62			
BC:	225 lb Conc. Load at	8.45			

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	73	-1.94	11.25
BC	120	0.14	11.25

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

Wind

Wind loads and reactions based on MWFRS

Wind loading based on both gable and hip roof types.



05/21/2021

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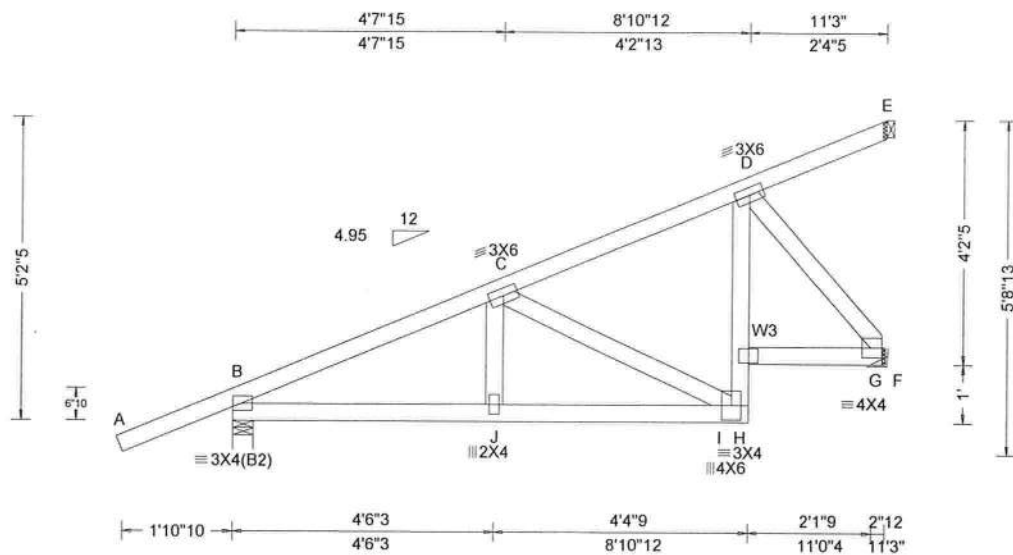
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SEQN: 66023 FROM: RNB	HIP_ Ply: 1 Qty: 1	Job Number: B53612a Hutcherson Res Truss Label: HJ11A	Cust: R 857 JRef: 1X5L8570003 T57 DrwNo: 141.21.1320.57420 SSB / WHK 05/21/2021
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Loading Criteria (psf)	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: B 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	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): 0.040 I 999 360 VERT(CL): 0.076 I 999 240 HORZ(LL): 0.045 G - - HORZ(TL): 0.086 G - - Creep Factor: 2.0 Max TC CSI: 0.964 Max BC CSI: 0.316 Max Web CSI: 0.734 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 472 /- /- /- /72 /- F 622 /- /- /- /102 /- E 18 /-17 /- /15 /- /- Wind reactions based on MWFRS B Brg Width = 4.2 Min Req = 1.5 F Brg Width = 1.5 Min Req = - E 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. Chords Tens. Comp.

Lumber
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3; W3 2x4 SP #1;

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From -0 plf at -2.00 to 55 plf at -0.11
TC: From 2 plf at -0.11 to 2 plf at 11.25
BC: From 0 plf at -2.00 to 4 plf at -0.11
BC: From 2 plf at -0.11 to 2 plf at 11.25
TC: 49 lb Conc. Load at 2.79
TC: 185 lb Conc. Load at 5.62
TC: 299 lb Conc. Load at 8.45
BC: 70 lb Conc. Load at 2.79
BC: 148 lb Conc. Load at 5.62
BC: 225 lb Conc. Load at 8.45

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	74	-1.94	11.25
BC	102	0.14	8.60
BC	31	8.66	11.25

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

Wind

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.



05/21/2021

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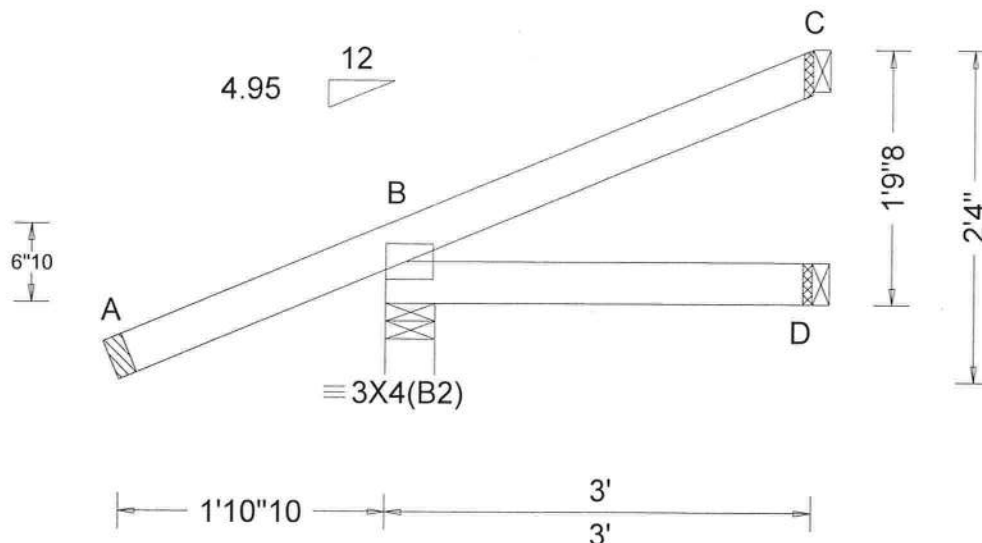
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6750 Forum Drive
Suite 305
Orlando FL, 32821



Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)						
TCLL:	20.00	Wind Std:	ASCE 7-16	Pg: NA	Ct: NA CAT: NA	PP Deflection in loc L/defl L/#		Gravity						
TCDL:	7.00	Speed:	140 mph	Pf: NA	Ce: NA	VERT(LL): NA		Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL:	0.00	Enclosure:	Closed	Lu: NA	Cs: NA	VERT(CL): NA		B	272	/-	/-	/-	/59	/-
BCDL:	10.00	Risk Category:	II	Snow Duration: NA		HORZ(LL): -0.001 C - -		D	54	/-	/-	/18	/-	/-
		EXP: B	Kzt: NA			HORZ(TL): 0.002 C - -		C	47	/-	/-	/-	/15	/-
Des Ld:	37.00	Mean Height:	15.00 ft			Creep Factor: 2.0		Wind reactions based on MWFRS						
NCBCLL:	10.00	TCDL:	4.2 psf	Building Code:		Max TC CSI: 0.176		B	Brg Width = 4.2			Min Req = 1.5		
Soffit:	2.00	BCDL:	6.0 psf	FBC 7th Ed. 2020 Res.		Max BC CSI: 0.057		D	Brg Width = 1.5			Min Req = -		
Load Duration:	1.25	MWFRS Parallel Dist: 0 to h/2		TPI Std: 2014		Max Web CSI: 0.000		C	Brg Width = 1.5			Min Req = -		
Spacing:	24.0 "	C&C Dist a: 3.00 ft		Rep Fac: Yes				Bearing B Fcperp = 425psi.						
		Loc. from endwall: Any		FT/RT:20(0)/0(0)				Members not listed have forces less than 375#						
		GCpi: 0.18		Plate Type(s):										
		Wind Duration: 1.60		WAVE		VIEW Ver: 20.02.00A.1020.20								

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	64	-1.94	3.00
BC	34	0.14	3.00

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

Wind

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.



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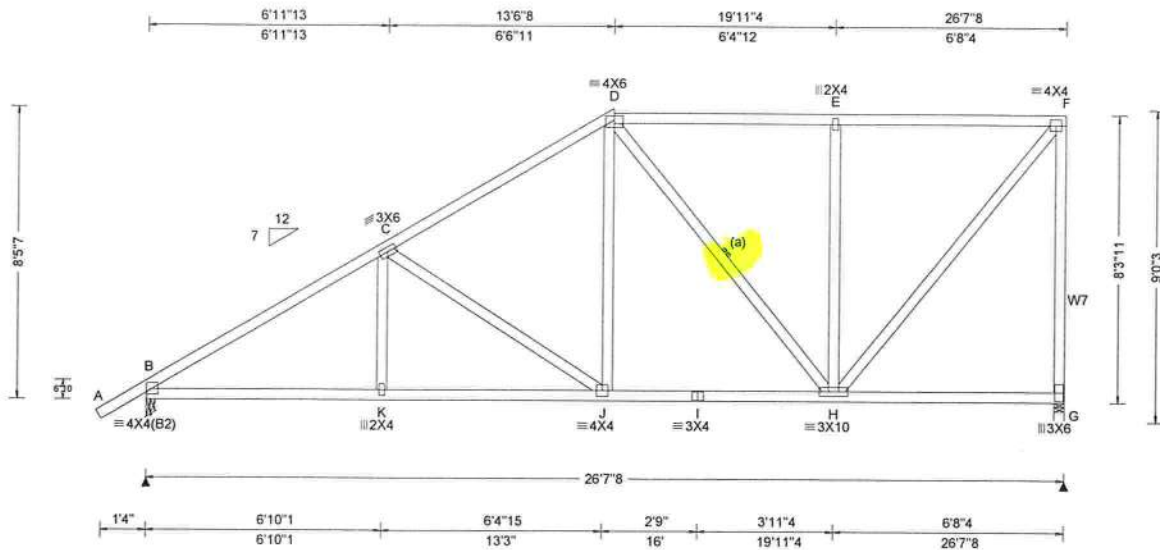
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6750 Forum Drive
Suite 305
Orlando FL 32821

SEQN: 66043 FROM: RNB	HIPM Ply: 1 Qty: 1	Job Number: B53612a Hutcherson Res Truss Label: MH1	Cust: R 857 JRef: 1X5L8570003 T10 DrwNo: 141.21.1321.36030 SSB / WHK 05/21/2021
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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: B 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: 3.00 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): 0.052 K 999 360 VERT(CL): 0.099 K 999 240 HORZ(LL): 0.019 H - - HORZ(TL): 0.036 H - - Creep Factor: 2.0 Max TC CSI: 0.975 Max BC CSI: 0.385 Max Web CSI: 0.952 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1105 /- /- /624 /- /287 G 1009 /- /- /521 /109 /- Wind reactions based on MWFRS B Brg Width = 3.0 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 336 -1547 D - E 366 -674 C - D 373 -1097 E - F 364 -672

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3; W7 2x4 SP #1;

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.) 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	-1.41	13.54
TC	24	13.54	26.63
BC	120	0.13	26.63

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.



05/21/2021

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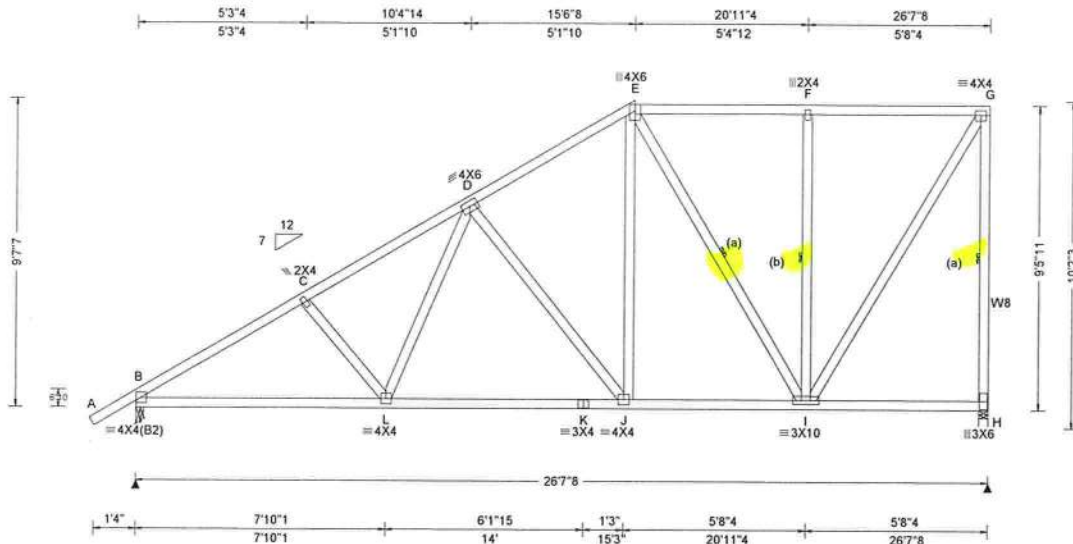
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 66046 FROM: RNB	HIPM Qty: 1	Ply: 1 Qty: 1	Job Number: B53612a Hutcherson Res Truss Label: MH2	Cust: R 857 JRef: 1X5L8570003 T9 DrwNo: 141.21.1321.43733 SSB / WHK 05/21/2021
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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)						
TCLL:	20.00	Wind Std:	ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection in loc L/def L/#	Gravity			Non-Gravity			
TCDL:	7.00	Speed:	140 mph	Pf: NA	Ce: NA		VERT(LL): 0.057 L 999 360	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL:	0.00	Enclosure:	Closed	Lu: NA	Cs: NA		VERT(CL): 0.107 L 999 240	B	1105	/-	/-	/628	/92	/330
BCDL:	10.00	Risk Category:	II	Snow Duration:	NA		HORZ(LL): 0.019 l - -	H	1009	/-	/-	/541	/113	/-
Des Ld:	37.00	EXP: B	Kzt: NA				HORZ(TL): 0.035 l - -	Wind reactions based on MWFRS						
NCBCLL:	10.00	Mean Height:	15.00 ft	Building Code:	FBC 7th Ed. 2020 Res.	Creep Factor:	2.0	B	Brg Width = 3.0	Min Req = 1.5				
Soffit:	2.00	TCDL:	4.2 psf	TPI Std:	2014	Max TC CSI:	0.965	H	Brg Width = 3.5	Min Req = 1.5				
Load Duration:	1.25	BCDL:	6.0 psf	Rep Fac:	Yes	Max BC CSI:	0.423	Bearings B & H Fcperp = 425psi.						
Spacing:	24.0 "	C&C Dist a:	3.00 ft	FT/RT:	20(0)/0(0)	Max Web CSI:	0.888	Members not listed have forces less than 375#						
		Loc. from endwall:	not in 9.00 ft	Plate Type(s):				Maximum Top Chord Forces Per Ply (lbs)						
		GCpi:	0.18	WAVE		VIEW Ver:	20.02.00A,1020.20	Chords	Tens.Comp.	Chords	Tens. Comp.			
		Wind Duration:	1.60					B - C	309	-1568	E - F	317	-519	

Lumber
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3; W8 2x4 SP #1;

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 -1.41 15.54
TC 24 15.54 26.63
BC 120 0.13 26.63
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 - L	1277 -512	K - J	1025 -441
L - K	1025 -441	J - I	722 -365

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
L - D	381 0	E - I	118 -405
D - J	122 -465	I - G	982 -397
J - E	503 -24	G - H	447 -962

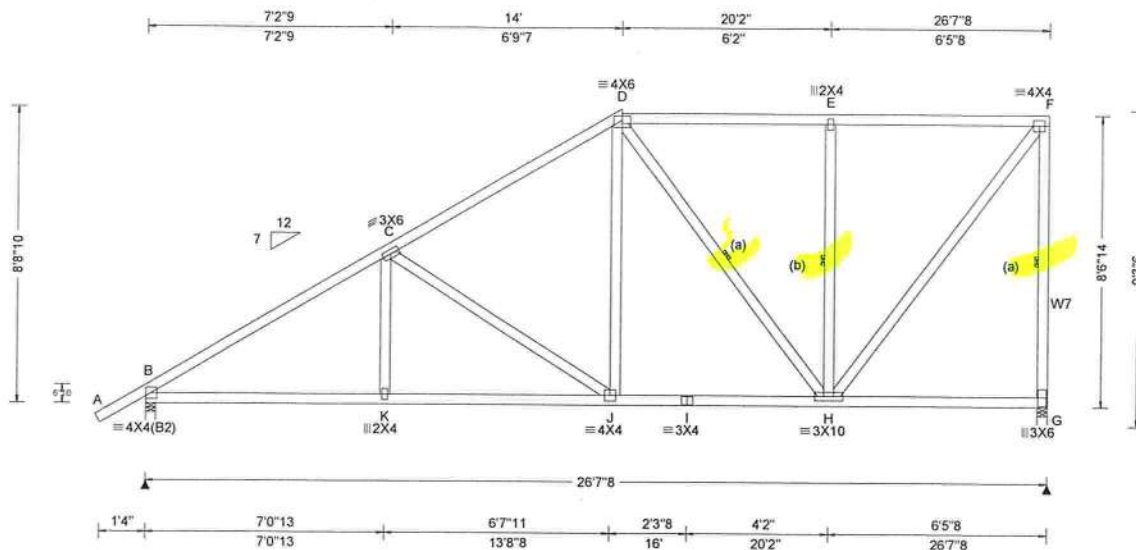


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SEQN: 66049 FROM: RNB	HIPM Qty: 1	Ply: 1 Qty: 1	Job Number: B53612a Hutcherson Res Truss Label: MH3	Cust: R 857 JRef: 1X5L8570003 T8 DrwNo: 141.21.1321.45660 SSB / WHK 05/21/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg.Pt 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: B 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/def L/# VERT(LL): 0.052 K 999 360 VERT(CL): 0.099 K 999 240 HORZ(LL): 0.019 H - - HORZ(TL): 0.035 H - - Creep Factor: 2.0 Max TC CSI: 0.975 Max BC CSI: 0.378 Max Web CSI: 0.864 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1105 /- /- /625 /95 /297 G 1009 /- /- /525 /110 /- 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 326 -1542 D - E 353 -635 C - D 363 -1069 E - F 351 -633

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3; W7 2x4 SP #1;

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	-1.41	14.00
TC	24	14.00	26.63
BC	120	0.13	26.63

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	1243 -489	J - I	826 -400
K - J	1241 -491	I - H	826 -400

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - J	117 -483	H - F	1029 -421
J - D	450 0	F - G	456 -957
E - H	355 -408		



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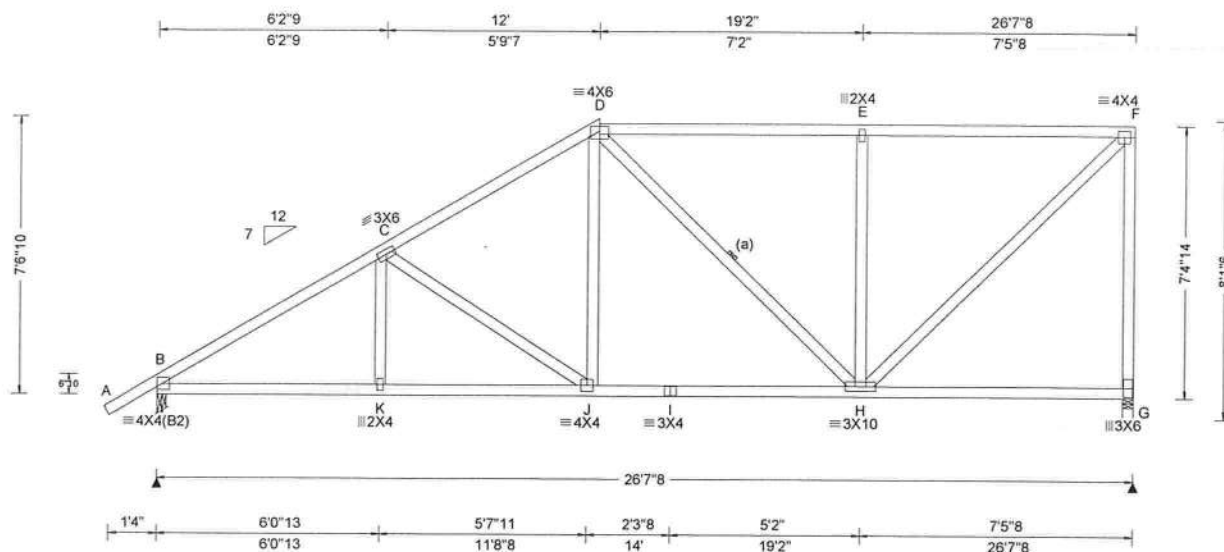
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 7.00	Speed: 140 mph	Pf: NA Ce: NA	VERT(LL): 0.054 J 999 360	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.102 J 999 240	B 1105 /- /- /619 /98 /254
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.019 H - -	G 1009 /- /- /508 /106 /-
Des Ld: 37.00	EXP: B Kzt: NA		HORZ(TL): 0.036 H - -	Wind reactions based on MWFRS
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	B Brg Width = 3.0 Min Req = 1.5
Soffit: 2.00	TCDL: 4.2 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.973	G Brg Width = 3.5 Min Req = 1.5
Load Duration: 1.25	BCDL: 6.0 psf	TPI Std: 2014	Max BC CSI: 0.440	Bearings B & G Fcperp = 425psf.
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes	Max Web CSI: 0.983	Members not listed have forces less than 375#
	C&C Dist a: 3.00 ft	FT/RT:20(0)/0(0)		Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: not in 9.00 ft	Plate Type(s):		Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18			B - C 369 - 1560 D - E 418 - 824
	Wind Duration: 1.60	WAVE	VIEW Ver. 20.02.00A.1020.20	C - D 411 - 1193 E - F 417 - 824
Lumber				

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 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	54	-1.41	12.00
TC	24	12.00	26.63
BC	120	0.13	26.63

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.



05/21/2021

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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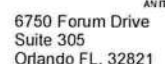
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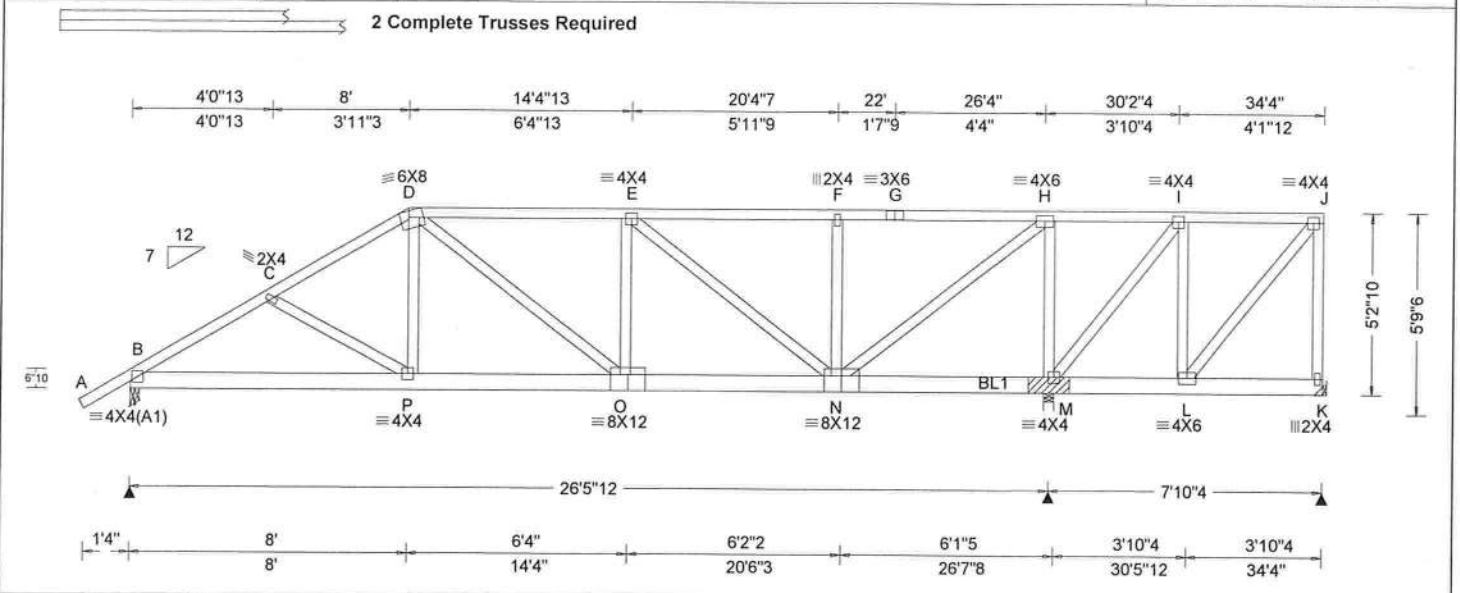
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 7.00	Speed: 140 mph	Pf: NA Ce: NA	VERT(LL): 0.070 O 999 360	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.130 O 999 240	B 2272 /- /- /- /343 /-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.019 D - -	M 7199 /- /- /- /675 /-
Des Ld: 37.00	EXP: B Kzt: NA	Building Code:	HORZ(TL): 0.034 D - -	K 595 /- /- /217 /- /-
NCBCLL: 0.00	Mean Height: 15.00 ft	FBC 7th Ed. 2020 Res.	Creep Factor: 2.0	Wind reactions based on MWFRS
Soffit: 2.00	TCDL: 4.2 psf	TPI Std: 2014	Max TC CSI: 0.981	B Brg Width = 3.0 Min Req = 1.6
Load Duration: 1.25	BCDL: 6.0 psf	Rep Fac: No	Max BC CSI: 0.625	M Brg Width = 3.5 Min Req = -
Spacing: 24.0"	MWFRS Parallel Dist: 0 to h/2	FT/RT: 20(0)/0(0)	Max Web CSI: 0.787	K Brg Width = - Min Req = -
	C&C Dist a: 3.43 ft	Plate Type(s):	VIEW Ver: 20.02.00A.1020.20	Bearings B & M Fcperp = 425psi.
	Loc. from endwall: not in 9.00 ft	WAVE		Members not listed have forces less than 375#
	GCpi: 0.18			Maximum Top Chord Forces Per Ply (lbs)
	Wind Duration: 1.60			Chords Tens.Comp. Chords Tens. Comp.

Lumber

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

Nailnote

Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 8.00" o.c.
Webs: 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.
(1) 1/2" bolts may be used for
(2) 0.128"x3", min. nails on
The Bottom Chord Only.

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 56 plf at -1.48 to 56 plf at 34.33
BC: From 5 plf at -1.48 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 34.33
TC: 217 lb Conc. Load at 8.06
TC: 88 lb Conc. Load at 10.13, 12.13, 14.13, 16.13
TC: 91 lb Conc. Load at 18.13, 20.13, 22.13, 24.13
26.13
BC: 687 lb Conc. Load at 8.06
BC: 218 lb Conc. Load at 10.13, 12.13, 14.13, 16.13
BC: 207 lb Conc. Load at 18.13, 20.13, 22.13, 24.13
26.13
BC: 887 lb Conc. Load at 26.69, 28.40, 30.40, 32.40

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	-1.41	8.00
TC	24	8.00	34.33
BC	120	0.13	34.33

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

Hangers / Ties

(J) Hanger Support Required, by others



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6750 Forum Drive
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Orlando FL, 32821

SEQN: 66073	HIPM	Ply: 2	Job Number: B53612a	Cust: R 857 JRef: 1X5L8570003 T20
FROM: RNB		Qty: 1	Hutcherson Res	DrwNo: 141.21.1322.06240
Page 2 of 2			Truss Label: MHG1	SSB / WHK 05/21/2021

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.

Bearing Block(s)

Brg blocks: 0.128"x3", min. nails

brg x-loc #blocks length/blk #nails/blk wall plate

2 26.333' 1 14" 18 SPF Standard

Brg block to be same size and species as chord.

Refer to drawing CNNAILSP1014 for more information.



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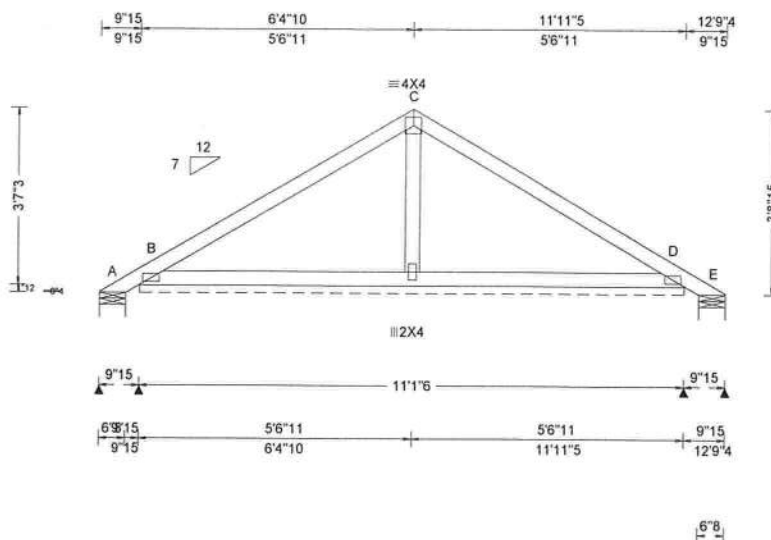
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 66213 FROM: RNB	GABL Qty: 3	Ply: 1	Job Number: B53612a Hutcherson Res Truss Label: PB1	Cust: R 857 JRef: 1X5L8570003 T52 DrwNo: 141.21.1322.35900 SSB / WHK 05/21/2021
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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		Wind Std: ASCE 7-16		Pg: NA Ct: NA CAT: NA		PP Deflection in loc L/defl L/#		Gravity			Non-Gravity				
TCDL: 7.00		Speed: 140 mph		Pf: NA Ce: NA		VERT(LL): 0.004 F 999 360		Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
BCLL: 0.00		Enclosure: Closed		Lu: NA Cs: NA		VERT(CL): 0.011 F 999 240		A	-	/-365	/-	/127	/206	/106	
BCDL: 10.00		Risk Category: II		Snow Duration: NA		HORZ(LL): -0.003 F - -		B* 224	/-	/-	/-	/69	/33	/-	
Des Ld: 37.00		EXP: B Kzt: NA				HORZ(TL): 0.008 F - -		E	-	/-404	/-	/87	/153	/-	
NCBCLL: 10.00		Mean Height: 15.24 ft				Creep Factor: 2.0		B		/-156					
Soffit: 2.00		TCDL: 4.2 psf		Building Code:		Max TC CSI: 0.935		D		/-134					
Load Duration: 1.25		BCDL: 6.0 psf		FBC 7th Ed. 2020 Res.		Max BC CSI: 0.187		Wind reactions based on MWFRS							
Spacing: 24.0 "		MWFRS Parallel Dist: > 2h		TPI Std: 2014		Max Web CSI: 0.027		A	Brg Width = 6.5			Min Req = 1.5			
		C&C Dist a: 3.00 ft		Rep Fac: Varies by Ld Case				B	Brg Width = 133			Min Req = -			
		Loc. from endwall: not in 12.11 ft		FT/RT:20(0)/0(0)				E	Brg Width = 6.5			Min Req = 1.5			
		GCpi: 0.18		Plate Type(s):				Bearings A, B, & E are a rigid surface.							
		Wind Duration: 1.60		WAVE		VIEW Ver: 20.02.00A.1020.20		Members not listed have forces less than 375#							
								Maximum Top Chord Forces Per Ply (lbs)							
								Chords		Tens.Comp.		Chords		Tens. Comp.	
								B - C		138 - 448		C - D		123 - 474	

Lumber

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

Plating Notes

All plates are 2X4(A1) 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	75	-0.58	5.56
TC	75	5.56	11.69
BC	120	0.15	10.97

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.

Wind

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

Additional Notes

Negative reaction(s) of -404# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.



05/21/2021

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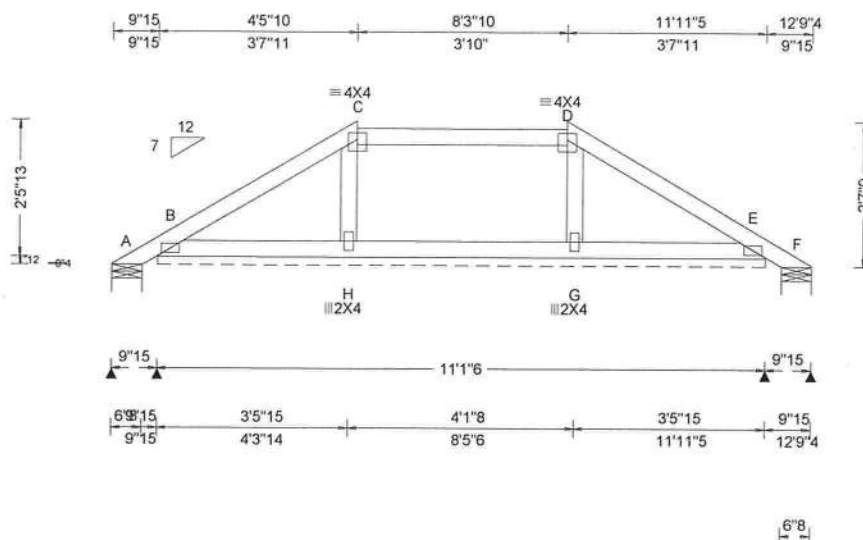
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 66211 FROM: RNB	GABL Qty: 1	Ply: 1 Job Number: B53612a Hutcherson Res Truss Label: PB2	Cust: R 857 JRef: 1X5L8570003 T40 DrwNo: 141.21.1322.38103 SSB / WHK 05/21/2021
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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: B Kzt: NA Mean Height: 20.27 ft TCDL: 4.2 psf BCDL: 2.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 12.11 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: Varies by Ld Case FT/RT: 20(0)/0(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.002 H 999 360 VERT(CL): 0.003 H 999 240 HORZ(LL): 0.001 G - - HORZ(TL): 0.002 H - - Creep Factor: 2.0 Max TC CSI: 0.331 Max BC CSI: 0.059 Max Web CSI: 0.060 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A - /-73 /- /62 /82 /75 B* 120 /- /- /53 /42 /- F - /-73 /- /42 /44 /- Wind reactions based on MWFRS A Brg Width = 6.5 Min Req = 1.5 B Brg Width = 133 Min Req = - F Brg Width = 6.5 Min Req = 1.5 Bearings A, B, & F are a rigid surface. 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

All plates are 2X4(A1) 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	58	-0.58	3.64
TC	24	3.64	7.47
TC	58	7.47	11.69
BC	120	0.15	10.97

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.

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

Refer to DWG PB160160118 for piggyback details.



05/21/2021

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The drawing shows a roof truss system with the following details:

- Side Elevation (Top):** Shows the roof profile with a 12/7 pitch. The roof is supported by a central ridge and two side supports. The ridge is labeled with two 4x4 members (C and D). The side supports are labeled with two 2x4 members (H and G). The roof is supported by a central ridge and two side supports. The ridge is labeled with two 4x4 members (C and D). The side supports are labeled with two 2x4 members (H and G).
- End Elevation (Bottom):** Shows the truss structure from the end. The roof is supported by a central ridge and two side supports. The ridge is labeled with two 4x4 members (C and D). The side supports are labeled with two 2x4 members (H and G). The roof is supported by a central ridge and two side supports. The ridge is labeled with two 4x4 members (C and D). The side supports are labeled with two 2x4 members (H and G).
- Dimensions:**
 - Roof pitch: 12/7
 - Roof height: 25'3"
 - Roof width: 28'15"
 - Roof length: 11'1"6"
 - Roof depth: 6'8"
- Labels:**
 - 4x4 (ridge members)
 - 2x4 (side support members)
 - C, D (ridge labels)
 - H, G (side support labels)

Lumber

Plating Notes

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

Purlins

Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	57	-0.58	3.56
TC	24	3.56	7.56
TC	57	7.56	11.69
BC	120	0.15	10.97

Loading

Wind

Wind loading based on both gable and hip roof types.

Additional Notes

Refer to DWG PB160160118 for piggyback details.



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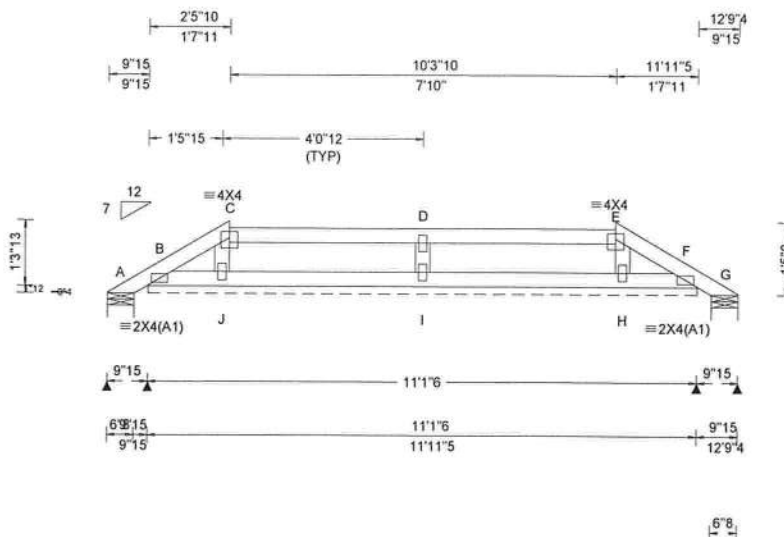
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SEQN: 66209 FROM: RNB	GABL Ply: 1 Qty: 1	Job Number: B53612a Hutcherson Res Truss Label: PB4	Cust: R 857 JRef: 1X5L8570003 T49 DrwNo: 141.21.1323.45697 SSB / WHK 05/21/2021
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Loading Criteria (psf)	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: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 12.11 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: Varies by Ld Case FT/RT: 20(0)/0(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/ VERT(LL): 0.000 D 999 360 VERT(CL): 0.001 D 999 240 HORZ(LL): 0.000 H - - HORZ(TL): 0.001 J - - Creep Factor: 2.0 Max TC CSI: 0.461 Max BC CSI: 0.037 Max Web CSI: 0.077 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL A 17 /- /- /28 /15 /38 B* 165 /- /- /46 /18 /- G 25 /- /- /15 /4 /- I /-240 Wind reactions based on MWFRS A Brg Width = 6.5 Min Req = 1.5 B Brg Width = 133 Min Req = - G Brg Width = 6.5 Min Req = 1.5 Bearings A, B, & G are a rigid surface. Members not listed have forces less than 375# Maximum Gable Forces Per Ply (lbs) Gables Tens.Comp. D - I 259 - 737

Lumber

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

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	30	-0.58	1.64
TC	24	1.64	9.47
TC	30	9.47	11.69
BC	75	0.15	10.97

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.

Wind

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

Additional Notes

See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.
Refer to DWG PB160160118 for piggyback details.



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!

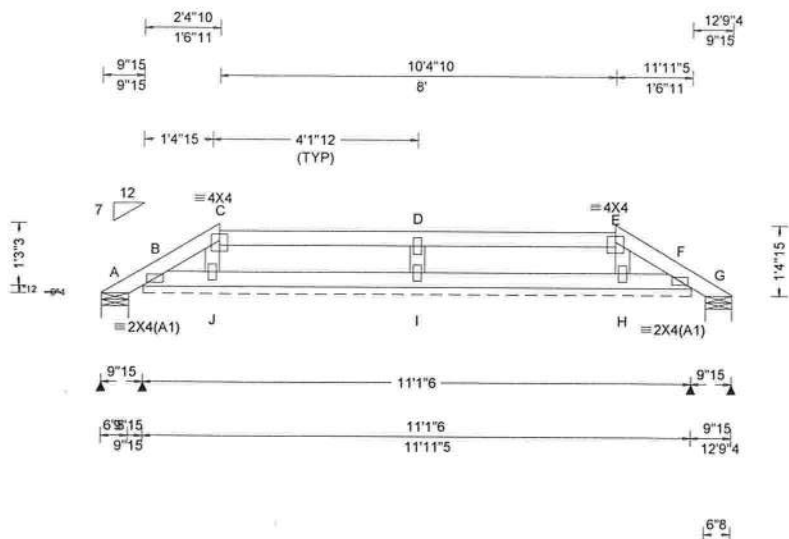
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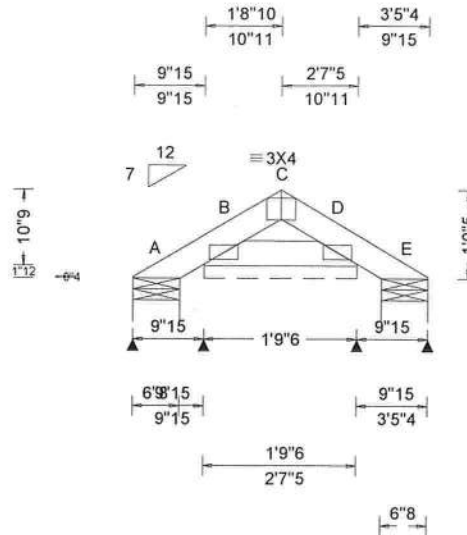


Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 7.00	Speed: 140 mph	Pf: NA Ce: NA	VERT(LL): 0.000 D 999 360	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 D 999 240	A 19 /- /- /28 /14 /36
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 H - -	B* 162 /- /- /45 /18 /-
Des Ld: 37.00	EXP: B Kzt: NA		HORZ(TL): 0.000 C - -	G 27 /- /- /16 /4 /-
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	I /-245
Soffit: 2.00	TCDL: 4.2 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.471	Wind reactions based on MWFRS
Load Duration: 1.25	BCDL: 6.0 psf	TPI Std: 2014	Max BC CSI: 0.039	A Brg Width = 6.5 Min Req = 1.5
Spacing: 24.0 "	MWFRS Parallel Dist: > 2h	Rep Fac: Varies by Ld Case	Max Web CSI: 0.079	B Brg Width = 133 Min Req = -
	C&C Dist a: 3.00 ft	FT/RT:20(0)/0(0)		G Brg Width = 6.5 Min Req = 1.5
	Loc. from endwall: not in 12.11 ft	Plate Type(s):		Bearings A, B, & G are a rigid surface.
	GCpi: 0.18			Members not listed have forces less than 375#
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.02.00A.1020.20	Maximum Gable Forces Per Plv (lbs)

05/21/2021

6750 Forum Drive
Suite 305
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SEQN: 66219 FROM: RNB	GABL Qty: 5	Ply: 1	Job Number: B53612a Hutcherson Res Truss Label: PB7	Cust: R 857 JRef: 1X5L8570003 T50 DrwNo: 141.21.1323.48837 SSB / WHK 05/21/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 7.00	Speed: 140 mph	Pf: NA Ce: NA	VERT(LL): 0.000 C 999 360	A	35	/-	/-	/21	/8	/25
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.000 C 999 240	B*	176	/-	/-	/64	/19	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 - -	E	35	/-	/-	/20	/8	/-
Des Ld: 37.00	EXP: B Kzt: NA		HORZ(TL): 0.000 - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	A	Brg Width = 6.5			Min Req = 1.5		
Soffit: 2.00	TCDL: 4.2 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.009	B	Brg Width = 21.4			Min Req = -		
Load Duration: 1.25	BCDL: 6.0 psf	TPI Std: 2014	Max BC CSI: 0.015	E	Brg Width = 6.5			Min Req = 1.5		
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Varies by Ld Case	Max Web CSI: 0.000	Bearings A, B, & E are a rigid surface.						
	C&C Dist a: 3.00 ft	FT/RT: 20(0)/0(0)		Members not listed have forces less than 375#						
	Loc. from endwall: not in 12.11 ft	Plate Type(s):								
	GCpi: 0.18	WAVE	VIEW Ver: 20.02.00A.1020.20							
	Wind Duration: 1.60									

Lumber

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

Plating Notes

All plates are 2X4(A1) 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	20	-0.58	0.89
TC	20	0.89	2.36
BC	18	0.15	1.63

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.

Wind

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

Additional Notes

Refer to DWG PB160160118 for piggyback details.



COA #0028
05/21/2021

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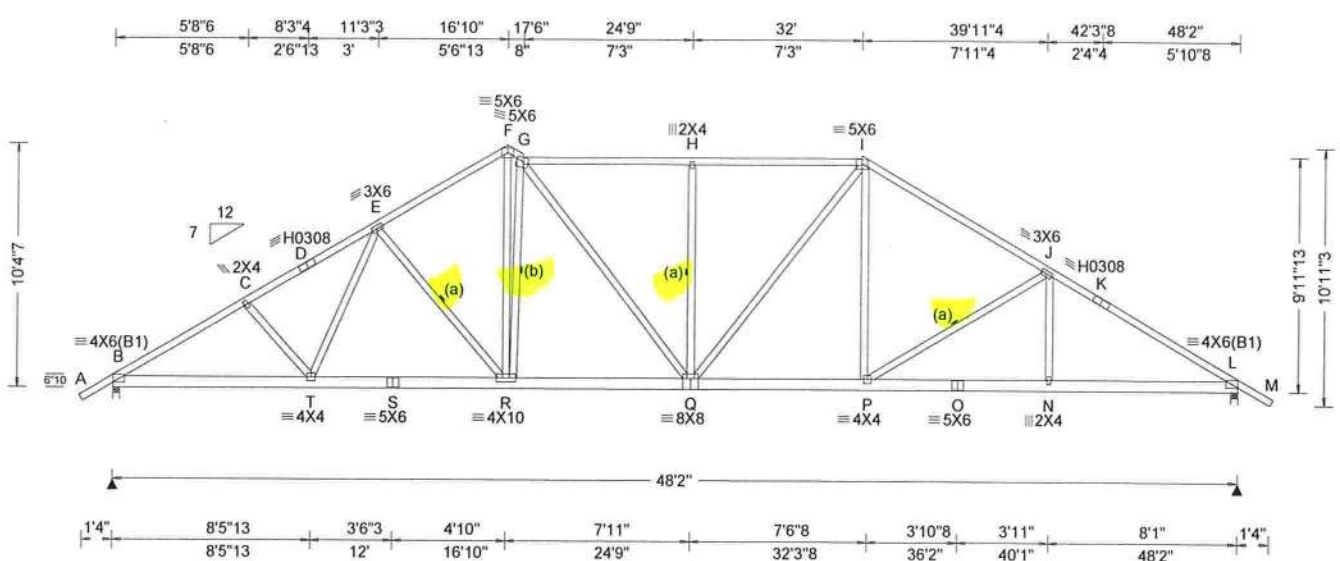
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
TCDL: 7.00	Speed: 140 mph	Pf: NA Ce: NA	VERT(LL): 0.205 H 999 360	Loc	R+	/R-	/Rh	/Rw	/U	/RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.386 H 999 240	B	1921	/-	/-	/1045	/-	/251
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.058 E - -	L	1921	/-	/-	/1043	/-	/-
Des Ld: 37.00	EXP: B Kzt: NA		HORZ(TL): 0.109 E - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	B	Brg Width = 3.5			Min Req = 2.4		
Soffit: 2.00	TCDL: 4.2 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.989	L	Brg Width = 3.5			Min Req = 2.4		
Load Duration: 1.25	BCDL: 6.0 psf	TPI Std: 2014	Max BC CSI: 0.570	Bearings B & L Fcperp = 425psi.						
Spacing: 24.0 "	MWFRS Parallel Dist: > 2h	Rep Fac: Yes	Max Web CSI: 0.974	Members not listed have forces less than 375#						
	C&C Dist a: 4.82 ft	FT/RT:20(0)/0(0)		Maximum Top Chord Forces Per Ply (lbs)						
	Loc. from endwall: not in 13.00 ft	Plate Type(s):		Chords	Tens.Comp.		Chords	Tens. Comp.		
	GCpi: 0.18			B - C	510	- 3064	G - H	588	- 2335	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 20.02.00A.1020.20	C - D	502	- 2876	H - I	588	- 2335	

Lumber
 Top chord: 2x4 SP #1;
 Bot chord: 2x6 SP #1;
 Webs: 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.
 (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	38	-1.41	16.83
TC	10	16.83	17.50
TC	24	17.50	32.00
TC	36	32.00	49.57
BC	120	0.15	48.02

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.

Additional Notes
 WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - T	2569 -354	Q - P	2070 -214
T - S	2308 -281	P - O	2514 -317
S - R	2308 -281	O - N	2514 -317
R - Q	2123 -237	N - L	2515 -315

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
E - R	129 -447	H - Q	288 -490
F - R	2017 -518	I - P	525 0
R - G	514 -1483	P - J	130 -509
Q - I	434 -140		

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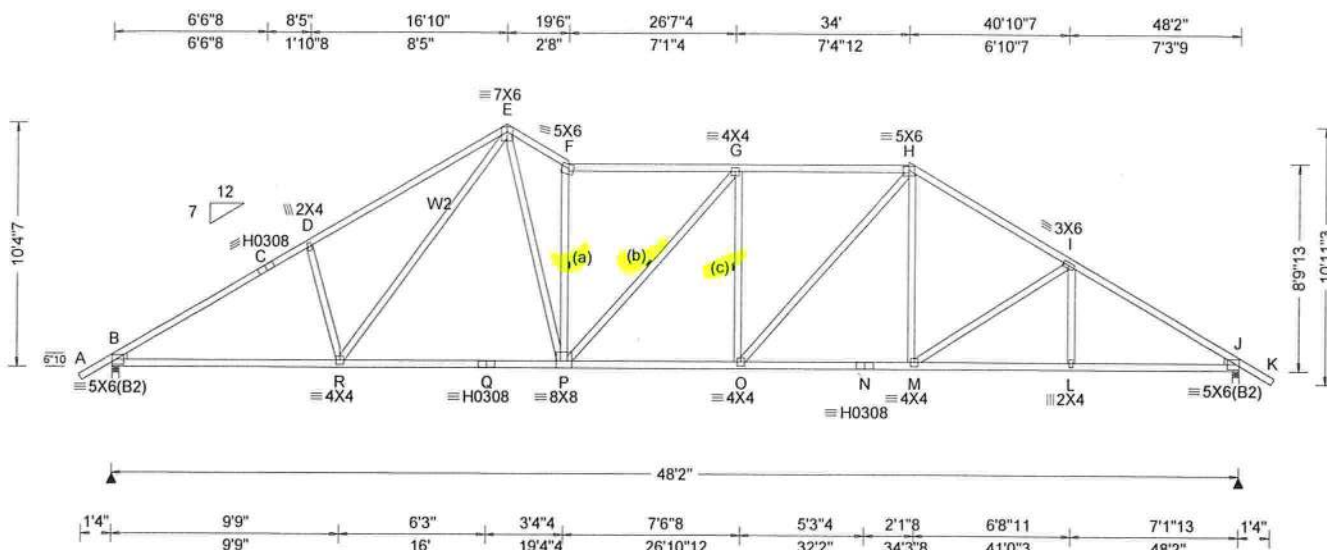
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SEQN: 66126 FROM: RNB	SPEC Qty: 1	Ply: 1	Job Number: B53612a Hutcherson Res Truss Label: S2	Cust: R 857 JRef: 1X5L8570003 T42 DrwNo: 141.21.1323.55053 SSB / WHK 05/21/2021
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Loading Criteria (psf)	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: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 4.82 ft Loc. from endwall: not in 13.00 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): 0.281 F 999 360 VERT(CL): 0.528 F 999 240 HORZ(LL): 0.107 L - - HORZ(TL): 0.201 L - - Creep Factor: 2.0 Max TC CSI: 0.991 Max BC CSI: 0.952 Max Web CSI: 0.940 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1921 - / - / 1039 - / 251 J 1921 - / - / 1033 - / - Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 2.4 J Brg Width = 3.5 Min Req = 2.4 Bearings B & J 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 486 -3025 F - G 580 -2523 C - D 495 -2842 G - H 626 -2616 D - E 594 -2895 H - I 564 -2632 E - F 688 -2913 I - J 519 -3039

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3; W2 2x4 SP #1;
Lt Wedge: 2x4 SP #3; Rt Wedge: 2x4 SP #3;

Bracing

- (c) 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 2x4 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3", min.) nails @ 6" oc.
- (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.

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	37	16.83	19.50
TC	24	19.50	34.00
TC	32	34.00	49.57
BC	120	0.13	48.03

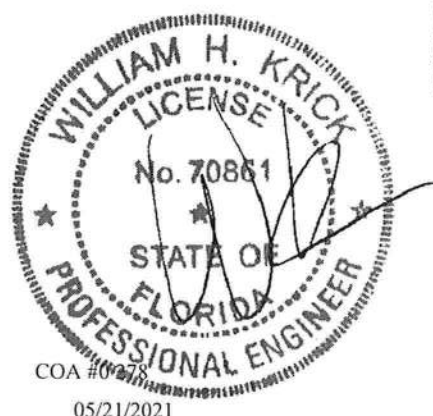
Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

Wind

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

Additional Notes

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05/21/2021

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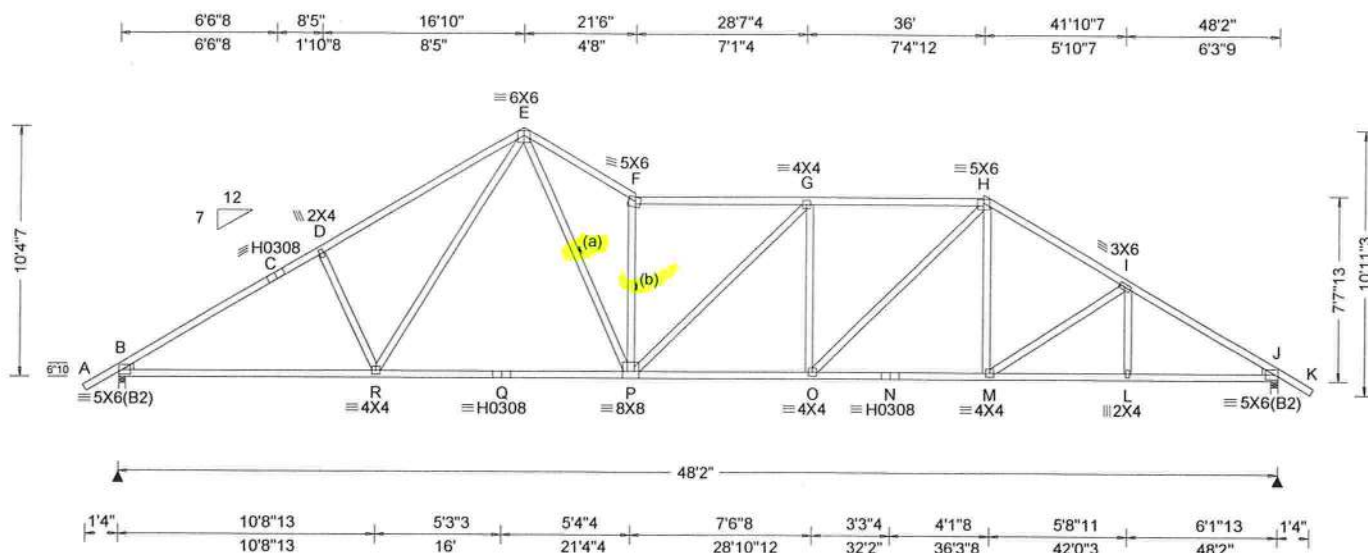
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SEQN: 66123 FROM: RNB	SPEC Qty: 1	Job Number: B53612a Hutcherson Res Truss Label: S3	Cust: R 857 JRef: 1X5L8570003 T41 DrwNo: 141.21.1324.00350 SSB / WHK 05/21/2021
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Loading Criteria (psf)	Wind Criteria	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: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 4.82 ft Loc. from endwall: not in 13.00 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): 0.328 F 999 360 VERT(CL): 0.618 F 932 240 HORZ(LL): 0.108 L - - HORZ(TL): 0.204 L - - Creep Factor: 2.0 Max TC CSI: 0.997 Max BC CSI: 0.861 Max Web CSI: 0.906 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1921 -/- /- /1034 -/- /251 J 1921 -/- /- /1025 -/- /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 2.4 J Brg Width = 3.5 Min Req = 2.4 Bearings B & J 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 478 -3020 F - G 644 -3010 C - D 487 -2837 G - H 676 -2958 D - E 548 -2821 H - I 576 -2745 E - F 785 -3503 I - J 528 -3039

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.
(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 36 16.83 21.50
TC 24 21.50 36.00
TC 32 36.00 49.57
BC 120 0.13 48.03
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.

Additional Notes
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Chords	Tens.Comp.	Chords	Tens. Comp.
B - R	2500 -311	O - N	2307 -298
R - Q	1993 -186	N - M	2307 -298
Q - P	1993 -186	M - L	2524 -352
P - O	2977 -457	L - J	2525 -351

Webs	Tens.Comp.	Webs	Tens. Comp.
D - R	220 -398	G - O	248 -531
R - E	653 -67	O - H	929 -224
E - P	2377 -529	H - M	389 0
P - F	548 -2006		

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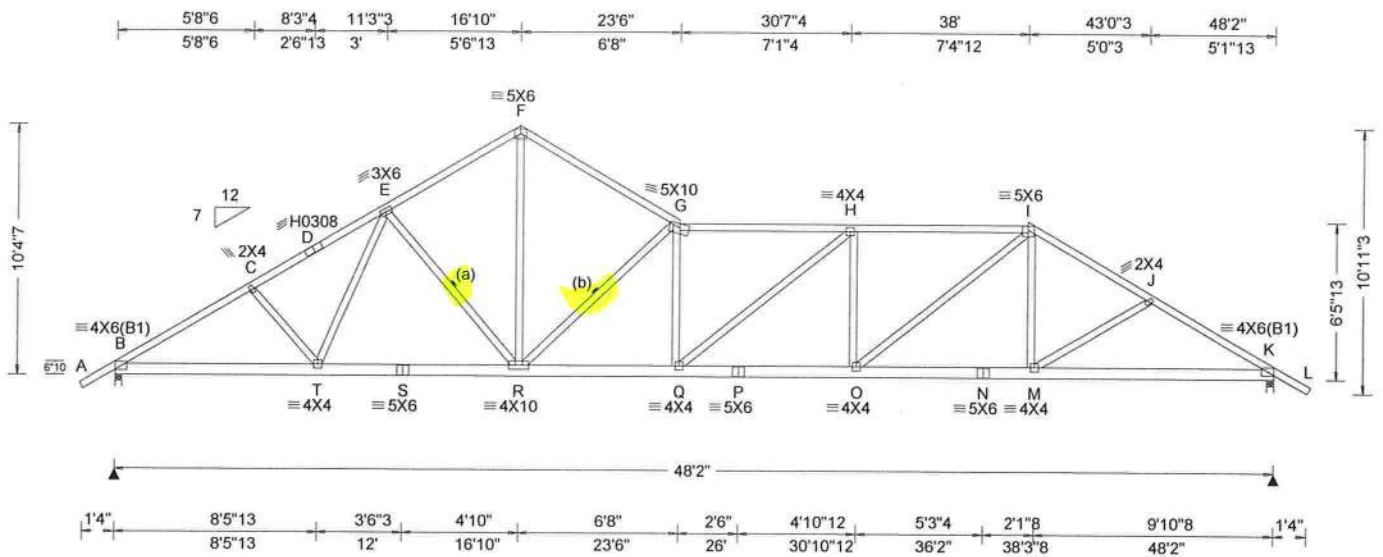
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SEQN: 66120 FROM: RNB	SPEC Qty: 1	Ply: 1 Qty: 1	Job Number: B53612a Hutcherson Res Truss Label: S4	Cust: R 857 JRef: 1X5L8570003 T30 DrwNo: 141.21.1324.02330 SSB / WHK 05/21/2021
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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)			Defl/CSI Criteria			▲ Maximum Reactions (lbs)						
TCLL: 20.00		Wind Std: ASCE 7-16		Pg: NA Ct: NA CAT: NA			PP Deflection in loc L/defl L/#			Gravity			Non-Gravity			
TCDL: 7.00		Speed: 140 mph		Pf: NA Ce: NA			VERT(LL): 0.286 G 999 360			Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00		Enclosure: Closed		Lu: NA Cs: NA			VERT(CL): 0.538 G 999 240			B	1921	/-	/-	/1030	/-	/251
BCDL: 10.00		Risk Category: II		Snow Duration: NA			HORZ(LL): 0.084 F - -			K	1921	/-	/-	/1017	/-	/-
Des Ld: 37.00		EXP: B Kzt: NA		Building Code: FBC 7th Ed. 2020 Res.			HORZ(TL): 0.159 F - -			Wind reactions based on MWFRS						
NCBCLL: 10.00		Mean Height: 15.00 ft					Creep Factor: 2.0			B Brg Width = 3.5 Min Req = 2.4						
Soffit: 2.00		TCDL: 4.2 psf		TPI Std: 2014			Max TC CSI: 0.993			K Brg Width = 3.5 Min Req = 2.4						
Load Duration: 1.25		BCDL: 6.0 psf		Rep Fac: Yes			Max BC CSI: 0.569			Bearings B & K Fcperp = 425psi.						
Spacing: 24.0 "		MWFRS Parallel Dist: > 2h		FT/RT:20(0)/0(0)			Max Web CSI: 0.927			Members not listed have forces less than 375#						
		C&C Dist a: 4.82 ft		Plate Type(s):			VIEW Ver: 20.02.00A.1020.20			Maximum Top Chord Forces Per Ply (lbs)						
		Loc. from endwall: not in 13.00 ft		WAVE, HS						Chords Tens.Comp. Chords Tens. Comp.						
		GCpi: 0.18								B - C 461 - 3064 G - H 742 - 3640						
		Wind Duration: 1.60														

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x6 SP #1;
Webs: 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.
- (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	38	-1.41	16.83
TC	44	16.83	23.50
TC	24	23.50	38.00
TC	38	38.00	49.57
BC	120	0.15	48.02

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.

Additional Notes

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



05/21/2021

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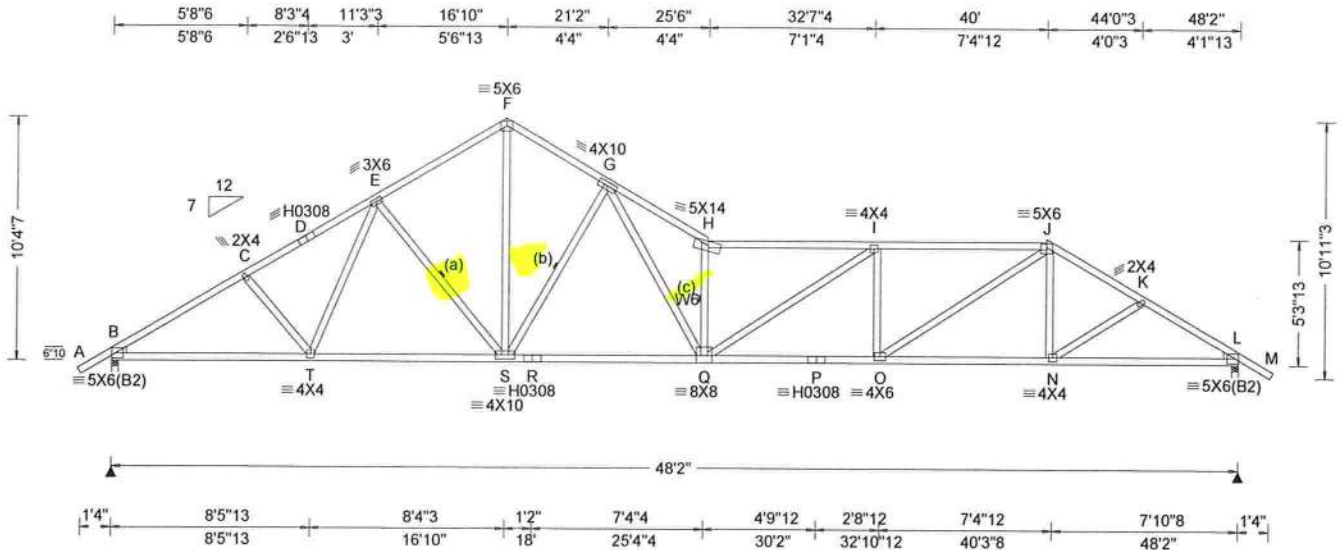
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ALPINE
AN ITW COMPANY
6750 Forum Drive
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SEQN: 66110 FROM: RNB	SPEC Qty: 1	Job Number: B53612a Hutcherson Res Truss Label: S5	Cust: R 857 JRef: 1X5L8570003 T29 DrwNo: 141.21.1324.04427 SSB / WHK 05/21/2021
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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)						
TCLL: 20.00		Wind Std: ASCE 7-16		Pg: NA Ct: NA CAT: NA		PP Deflection in loc L/defl L/#		Gravity		Non-Gravity				
TCDL: 7.00		Speed: 140 mph		Pf: NA Ce: NA		VERT(LL): 0.487 H 999 360		Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00		Enclosure: Closed		Lu: NA Cs: NA		VERT(CL): 0.918 H 627 240		B	1921	/-	/-	/1023	/-	/251
BCDL: 10.00		Risk Category: II		Snow Duration: NA		HORZ(LL): 0.152 F - -		L	1921	/-	/-	/1008	/-	/-
Des Ld: 37.00		EXP: B Kzt: NA		Building Code: FBC 7th Ed. 2020 Res.		HORZ(TL): 0.286 F - -		Wind reactions based on MWFRS						
NCBCLL: 10.00		Mean Height: 15.00 ft				Creep Factor: 2.0		B Brg Width = 3.5		Min Req = 2.4				
Soffit: 2.00		TCDL: 4.2 psf		TPI Std: 2014		Max TC CSI: 0.995		L Brg Width = 3.5		Min Req = 2.4				
Load Duration: 1.25		BCDL: 6.0 psf		Rep Fac: Yes		Max BC CSI: 0.828		Bearings B & L Fcperp = 425psi.						
Spacing: 24.0 "		MWFRS Parallel Dist: > 2h		FT/RT:20(0)/0(0)		Max Web CSI: 0.887		Members not listed have forces less than 375#						
		Loc. from endwall: not in 13.00 ft		Plate Type(s):		VIEW Ver: 20.02.00A.1020.20		Maximum Top Chord Forces Per Ply (lbs)						
		GCpi: 0.18		WAVE, HS				Chords	Tens.Comp.	Chords	Tens. Comp.			
		Wind Duration: 1.60						B - C	446	- 3055	G - H	1027	- 5157	

Lumber
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3; W6 2x4 SP #1;
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.
(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	32	-1.41	16.83
TC	30	16.83	25.50
TC	24	25.50	40.00
TC	31	40.00	49.57
BC	120	0.13	48.03

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.

Additional Notes
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - T	2539 - 298	Q - P	3998 - 688
T - S	2315 - 228	P - O	3998 - 688
S - R	2886 - 355	O - N	2518 - 370
R - Q	2886 - 355	N - L	2515 - 404

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
E - S	140 - 482	Q - H	684 - 2870
F - S	2057 - 373	Q - I	554 - 6
S - G	423 - 1734	I - O	296 - 831
G - Q	3087 - 660	O - J	1741 - 376

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!

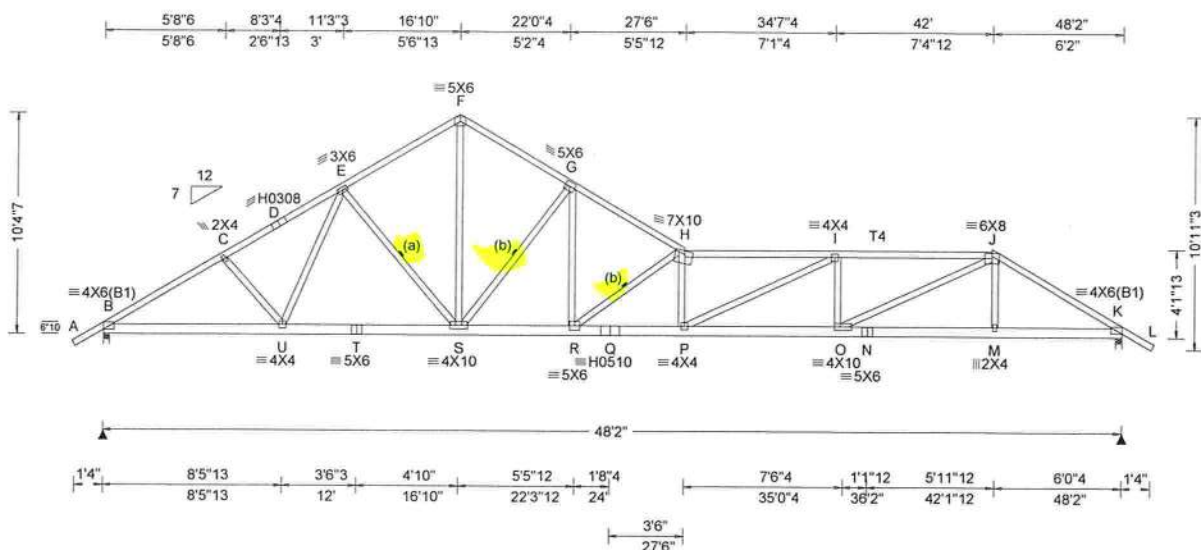
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 140 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 4.82 ft Loc. from endwall: not in 13.00 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): 0.478 H 999 360 VERT(CL): 0.900 H 638 240 HORZ(LL): 0.149 F - - HORZ(TL): 0.281 F - - Creep Factor: 2.0 Max TC CSI: 0.991 Max BC CSI: 0.683 Max Web CSI: 0.957 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1921 -/- /- /1019 -/- /251 K 1921 -/- /- /1001 -/- /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 2.4 K Brg Width = 3.5 Min Req = 2.4 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 429 -3062 G - H 664 -3804 C - D 420 -2875 H - I 1062 -5789 D - E 435 -2800 I - J 978 -4841 E - F 461 -2408 J - K 587 -3097 F - G 462 -2400

Lumber
Top chord: 2x4 SP #1; T4 2x4 SP SS Dense;
Bot chord: 2x6 SP #1;
Webs: 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.
(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	38	-1.41	16.83
TC	36	16.83	27.50
TC	24	27.50	42.00
TC	37	42.00	49.57
BC	120	0.15	48.02

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.

Additional Notes
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Maximum Bot Chord Forces Per Ply (lbs)

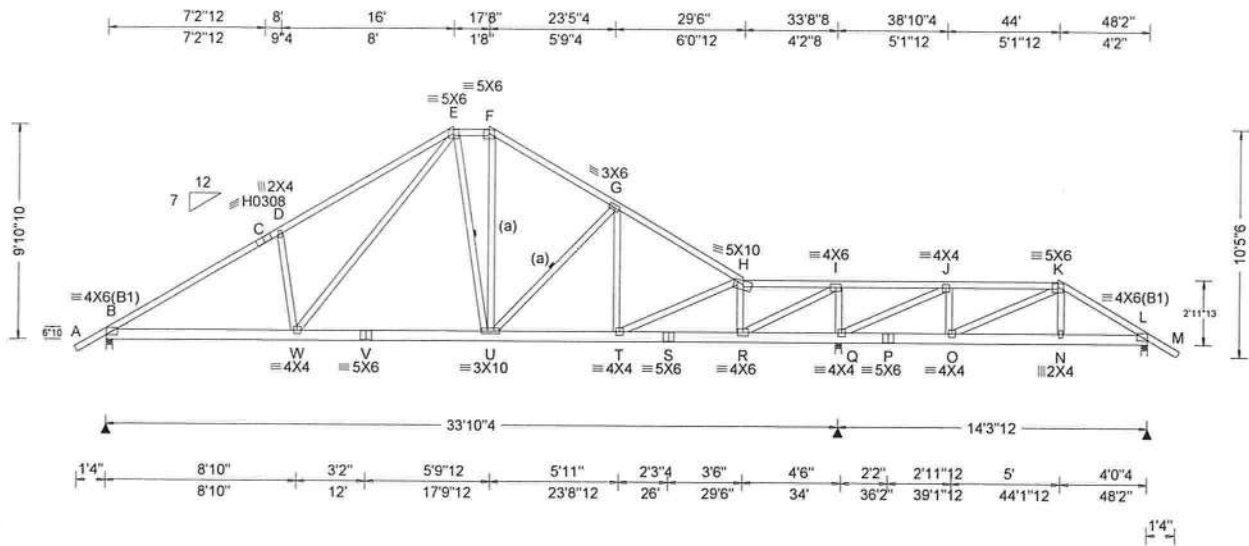
Chords	Tens.Comp.	Chords	Tens. Comp.
B - U	2567 -285	Q - P	5787 -934
U - T	2313 -212	P - O	4917 -875
T - S	2313 -212	O - N	2608 -408
S - R	3144 -376	N - M	2608 -408
R - Q	5787 -934	M - K	2610 -404

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
E - S	135 -470	R - H	672 -3169
F - S	2040 -349	P - I	976 -66
S - G	410 -1872	I - O	322 -984
G - R	1922 -335	O - J	2513 -502

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SEQN: 66116 FROM: RNB	SPEC Ply: 1 Qty: 1	Job Number: B53612a Hutcherson Res Truss Label: S7	Cust: R 857 JRef: 1X5L8570003 T5 DrwNo: 141.21.1325.18060 SSB / WHK 05/21/2021
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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: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 4.82 ft Loc. from endwall: not in 13.00 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): 0.073 W 999 360 VERT(CL): 0.138 W 999 240 HORZ(LL): 0.028 D - - HORZ(TL): 0.053 D - - Creep Factor: 2.0 Max TC CSI: 0.993 Max BC CSI: 0.568 Max Web CSI: 0.864 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1296 -/- /- /720 -/- /240 Q 2158 -/- /- /1060 -/- /- L 502 -/- /- /244 /21 -/- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.6 Q Brg Width = 3.5 Min Req = 2.7 L Brg Width = 3.5 Min Req = 1.5 Bearings B, Q, & 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: 2x6 SP #1;
Webs: 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	48	-1.41	16.00
TC	24	16.00	17.67
TC	61	17.67	29.50
TC	24	29.50	44.00
TC	75	44.00	49.57
BC	75	0.15	48.02

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.

Additional Notes

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Chords	Tens.Comp.	Chords	Tens. Comp.
B - C	219 - 1863	G - H	212 - 1487
C - D	222 - 1668	H - I	136 - 939
D - E	336 - 1785	I - J	1264 - 153
E - F	247 - 1002	J - K	457 - 255
F - G	249 - 1253	K - L	133 - 520

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - W	1521 - 87	R - Q	225 - 1095
W - V	1015 0	Q - P	235 - 490
V - U	1015 0	P - O	235 - 490
U - T	1212 - 34	O - N	401 - 54
T - S	937 - 42	N - L	405 - 49
S - R	937 - 42		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
D - W	220 - 413	H - R	219 - 1098
W - E	710 - 130	I - Q	334 - 1434
F - U	456 - 95	Q - J	319 - 1229
R - I	2269 - 289	O - K	31 - 453



COA #0288
05/21/2021

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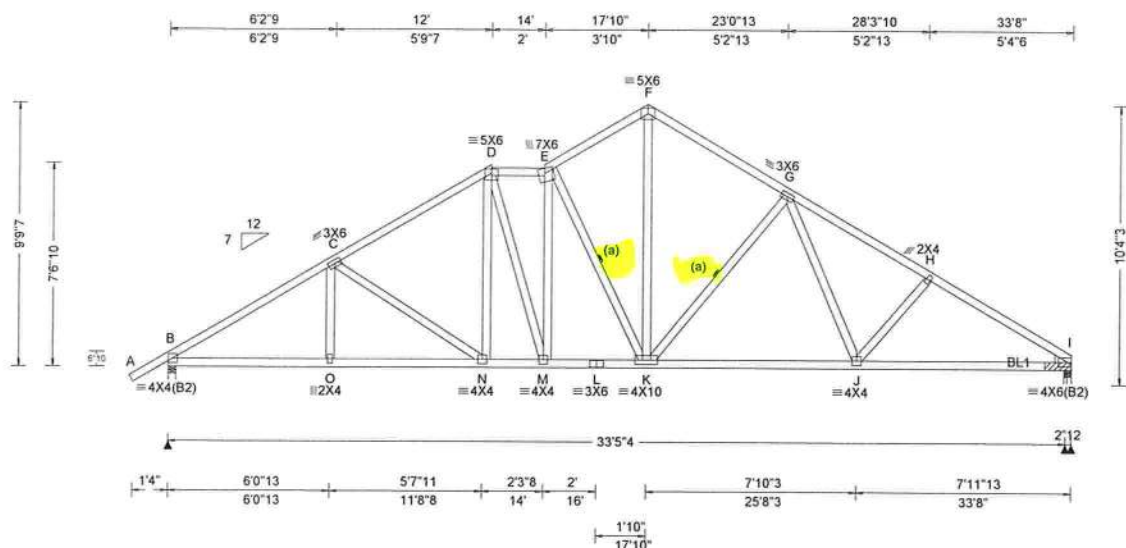
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 66084 FROM: RNB	SPEC Ply: 1 Qty: 1	Job Number: B53612a Hutcherson Res Truss Label: S8	Cust: R 857 JRef: 1X5L8570003 T24 DrwNo: 141.21.1325.20653 SSB / WHK 05/21/2021
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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	Wind Std: ASCE 7-16	Speed: 140 mph	Pg: NA	Ct: NA	CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
BCCL: 0.00	BCDL: 10.00	Enclosure: Closed	Risk Category: II	Pf: NA	Ce: NA		VERT(LL): 0.112 E 999 360	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Des Ld: 37.00	NCBCLL: 10.00	EXP: B Kzt: NA	Mean Height: 15.00 ft	Lu: NA	Cs: NA		VERT(CL): 0.211 E 999 240	B	1373	/-	/-	/736	/-	/211
Soffit: 2.00	Load Duration: 1.25	BCDL: 6.0 psf	TCDL: 4.2 psf	Building Code:			HORZ(LL): 0.050 J - -	I	212	/-463	/-	/161	/18	/-
Spacing: 24.0 "		MWFRS Parallel Dist: > 2h	BCDL: 6.0 psf	TPI Std: 2014			HORZ(TL): 0.094 J - -	I	1742	/-	/-	/651	/74	/-
		C&C Dist a: 3.37 ft	Loc. from endwall: not in 9.00 ft	Rep Fac: Yes			Creep Factor: 2.0	Wind reactions based on MWFRS						
		GCpi: 0.18	Wind Duration: 1.60	FT/RT:20(0)/0(0)			Max TC CSI: 0.982	B	Brg Width = 3.5			Min Req = 1.7		
				Plate Type(s):			Max BC CSI: 0.643	I	Brg Width = 1.5			Min Req = 1.5		
				WAVE			Max Web CSI: 0.517	I	Brg Width = 2.0			Min Req = -		
							VIEW Ver: 20.02.00A.1020.20	Bearings B, I, & I 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 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	45	-1.41	12.00
TC	24	12.00	14.00
TC	54	14.00	17.83
TC	47	17.83	33.60
BC	120	0.13	33.53

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.

Bearing Block(s)

Brg blocks: 0.128"x3", min. nails
brg x-loc #blocks length/blk #nails/blk wall plate
3 33.500' 1 12" 4 SPF Standard
Brg block to be same size and species as chord.
Refer to drawing C>NNALSP1014 for more information.

Additional Notes

Negative reaction(s) of -463# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - O	1682 -156	L - K	1447 -85
O - N	1681 -158	K - J	1460 -94
N - M	1389 -80	J - I	3445 -360
M - L	1447 -85		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
E - K	170 -634	K - G	139 -487
F - K	1079 -179	G - J	375 -4



COA #00278

05/21/2021

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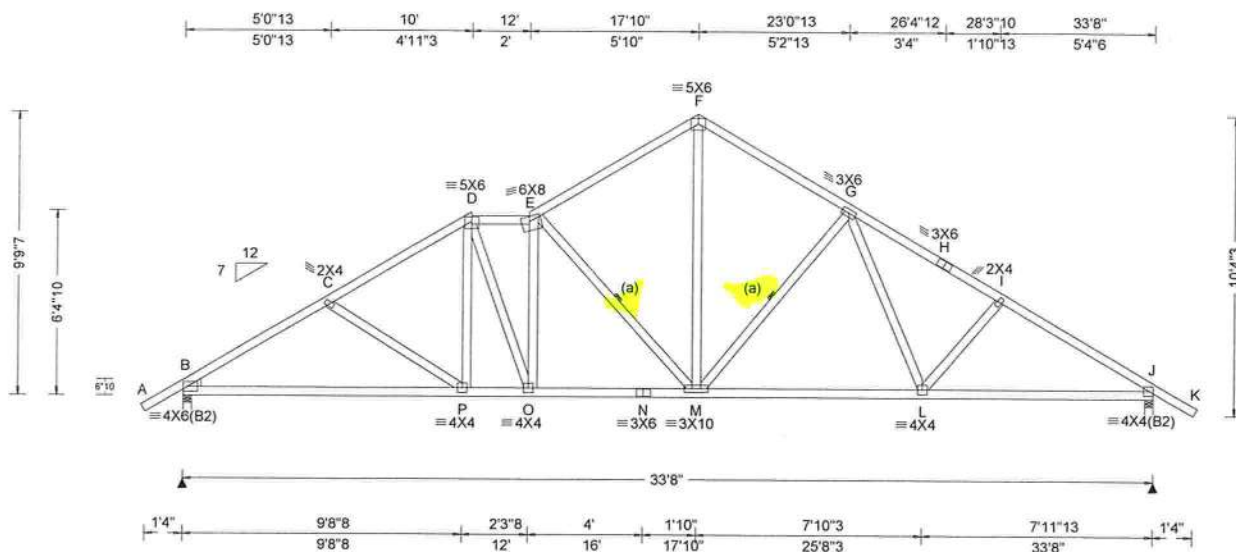
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org



6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 66081 FROM: RNB	SPEC Ply: 1 Qty: 1	Job Number: B53612a Hutcherson Res Truss Label: S9	Cust: R 857 JRef: 1X5L8570003 T17 DrwNo: 141.21.1325.23137 SSB / WHK 05/21/2021
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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: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: > 2h C&C Dist at: 3.37 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): 0.115 M 999 360 VERT(CL): 0.215 M 999 240 HORZ(LL): 0.053 L - - HORZ(TL): 0.100 L - - Creep Factor: 2.0 Max TC CSI: 0.976 Max BC CSI: 0.598 Max Web CSI: 0.597 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1368 -/- /- /735 -/- /224 J 1368 -/- /- /737 -/- /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.7 J Brg Width = 3.5 Min Req = 1.7 Bearings B & J 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 293 -2035 F - G 265 -1401 C - D 263 -1807 G - H 253 -1814 D - E 292 -1638 H - I 237 -1870 E - F 260 -1411 I - J 247 -2048

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Lt 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	46	-1.41	10.00
TC	24	10.00	12.00
TC	62	12.00	17.83
TC	45	17.83	35.07
BC	120	0.13	33.53

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 #06378

05/21/2021

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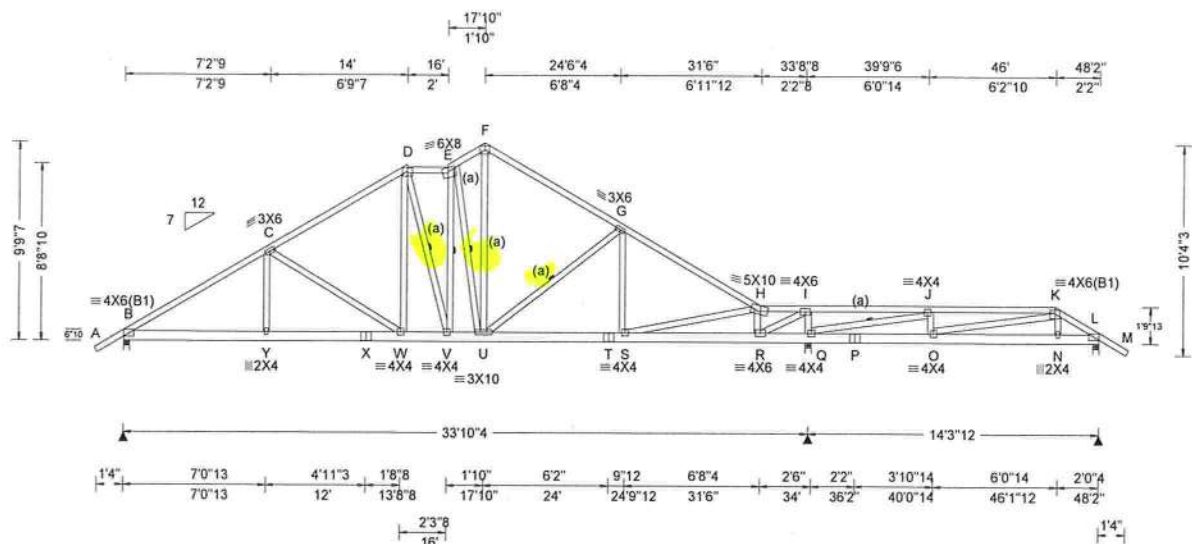
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6750 Forum Drive
Suite 305
Orlando FL, 32821



Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)						
TCLL: 20.00		Wind Std: ASCE 7-16		Pg: NA Ct: NA CAT: NA		PP Deflection in loc L/defl L/#		Gravity				Non-Gravity		
TCDL: 7.00		Speed: 140 mph		Pf: NA Ce: NA		VERT(LL): 0.078 W 999 360		Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00		Enclosure: Closed		Lu: NA Cs: NA		VERT(CL): 0.149 W 999 240		B	1329	/-	/-	/-	/125	/-
BCDL: 10.00		Risk Category: II		Snow Duration: NA		HORZ(LL): 0.024 C - -		Q	2070	/-	/-	/-	/194	/-
Des Ld: 37.00		EXP: B Kzt: 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		HORZ(TL): 0.045 C - -		L	647	/-	/-	/-	/80	/-
NCBCLL: 10.00		Mean Height: 15.00 ft				Creep Factor: 2.0		Wind reactions based on MWFRS						
Soffit: 2.00		TCDL: 4.2 psf		VIEW Ver: 20.02.00A.1020.20		Max TC CSI: 0.964		B	Brg Width = 3.5		Min Req = 1.7			
Load Duration: 1.25		BCDL: 6.0 psf				Max BC CSI: 0.635		Q	Brg Width = 3.5		Min Req = 2.6			
Spacing: 24.0 "		MWFRS Parallel Dist: 0 to h/2				Max Web CSI: 0.828		L	Brg Width = 3.5		Min Req = 1.5			
		C&C Dist a: 4.82 ft						Bearings B, Q, & L Fcperp = 425psi.						
		Loc. from endwall: not in 13.00 ft						Members not listed have forces less than 375#						
		GCpi: 0.18						Maximum Top Chord Forces Per Ply (lbs)						
		Wind Duration: 1.60						Chords Tens.Comp. Chords Tens. Comp.						

Lumber

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

Special Loads

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

TC: From	56 plf at	-1.48 to	56 plf at	33.94
TC: From	28 plf at	33.94 to	28 plf at	46.00
TC: From	56 plf at	46.00 to	56 plf at	49.65
BC: From	5 plf at	-1.48 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	33.94
BC: From	10 plf at	33.94 to	10 plf at	45.97
BC: From	20 plf at	45.97 to	20 plf at	48.17
BC: From	5 plf at	48.17 to	5 plf at	49.65
TC:	32 lb Conc. Load at	33.94, 35.94, 37.94, 39.94		
TC:	79 lb Conc. Load at	45.97		
BC:	39 lb Conc. Load at	33.94, 35.94, 37.94, 39.94		
BC:	92 lb Conc. Load at	45.97		

Plating Notes

All plates are 5X6 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	46	-1.41	14.00
TC	24	14.00	16.00
TC	26	16.00	17.83
TC	51	17.83	31.50
TC	24	31.50	46.00
TC	50	46.00	49.57
BC	75	0.15	48.02

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



COA #0078
05/21/2021

B - C	172 - 1947	G - H	152 - 1702
C - D	141 - 1497	H - I	57 - 857
D - E	92 - 1187	I - J	1217 - 100
E - F	92 - 1224	J - K	87 - 835
F - G	129 - 1340	K - L	67 - 838

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - Y	1599 - 123	S - R	857 - 57
Y - X	1597 - 125	R - Q	66 - 943
X - W	1597 - 125	Q - P	817 - 103
W - V	1197 - 95	P - O	817 - 103
V - U	1187 - 92	O - N	684 - 64
U - T	1394 - 111	N - L	698 - 56
T - S	1394 - 111		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - W	38 - 464	S - H	613 - 51
W - D	417 - 0	H - R	148 - 1178
E - U	44 - 549	R - I	2107 - 147
F - U	944 - 1	I - Q	172 - 1376
U - G	37 - 417	Q - J	209 - 1739

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 66113	SPEC	Ply: 1	Job Number: B53612a	Cust: R 857 JRef: 1X5L8570003 T48
FROM: RNB		Qty: 1	Hutcherson Res	DrwNo: 141.21.1325.27590
Page 2 of 2			Truss Label: SG1	SSB / WHK 05/21/2021

Wind

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.

Additional Notes

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



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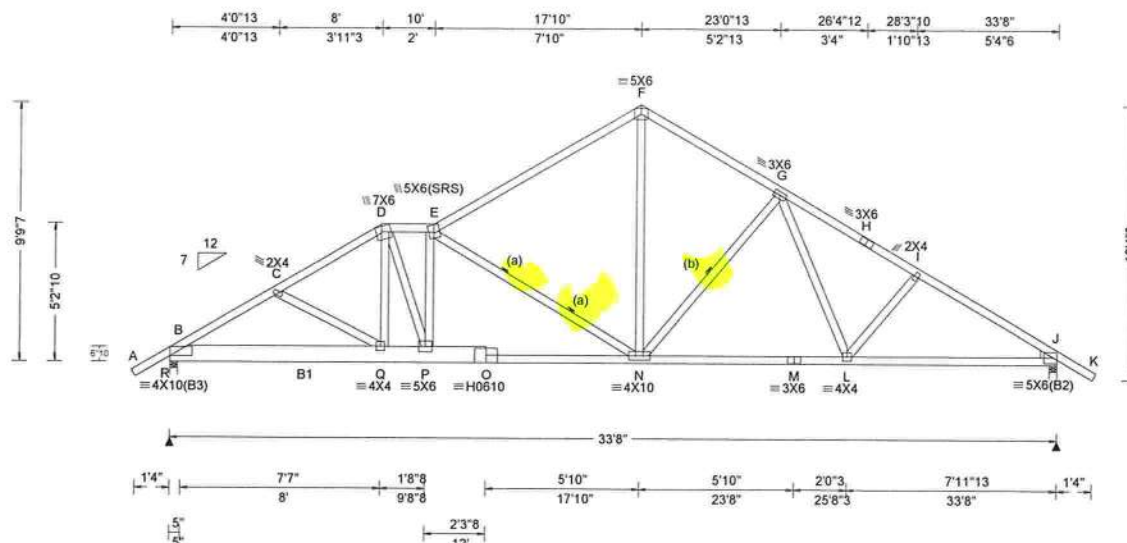
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 66078	SPEC	Ply: 1	Job Number: B53612a	Cust: R 857	JRef: 1X5L8570003	T21
FROM: RNB		Qty: 1	Hutcherson Res	DrwNo: 141.21.1325.30853		
			Truss Label: SG2	SSB / WHK	05/21/2021	



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 7.00	Speed: 140 mph	Pf: NA Ce: NA	VERT(LL): 0.172 E 999 360	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.319 E 999 240	R 2409 /- /- /- /93 /-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.069 L - -	J 1730 /- /- /- /100 /-
	EXP: B Kzt: NA		HORZ(TL): 0.128 L - -	Wind reactions based on MWFRS
Des Ld: 37.00	Mean Height: 15.00 ft		Creep Factor: 2.0	R Brg Width = 3.5 Min Req = 3.0
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Max TC CSI: 0.985	J Brg Width = 3.5 Min Req = 2.2
Soffit: 2.00	BCDL: 6.0 psf	FBC 7th Ed. 2020 Res.	Max BC CSI: 0.805	Bearings R & J Fcperp = 425psi.
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max Web CSI: 0.897	Members not listed have forces less than 375#
Spacing: 24.0 "	C&C Dist a: 3.37 ft	Rep Fac: Varies by Ld Case		Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/0(0)		Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 1.60	WAVE_HS	VIEW Ver: 20.02.00A.1020.20	B - C 140 -4020 F - G 72 -2102

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1; B1 2x8 SP SS Dense;
Webs: 2x4 SP #3;
Rt Wedge: 2x4 SP #3;

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 2x6 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3", min.) nails @ 6" oc.

Special Loads

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

TC: From	56 plf at	-1.48 to	56 plf at	8.00
TC: From	28 plf at	8.00 to	28 plf at	10.00
TC: From	56 plf at	10.00 to	56 plf at	35.15
BC: From	5 plf at	-1.48 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	8.06
BC: From	10 plf at	8.06 to	10 plf at	12.00
BC: From	20 plf at	12.00 to	20 plf at	33.67
BC: From	5 plf at	33.67 to	5 plf at	35.15
TC:	217 lb Conc. Load at	8.06		
BC:	687 lb Conc. Load at	8.06		
BC:	595 lb Conc. Load at	10.13		

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	-1.41	8.00
TC	24	8.00	10.00
TC	36	10.00	17.83
TC	32	17.83	35.07
BC	120	0.15	33.53

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

Wind

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.



05/21/2021

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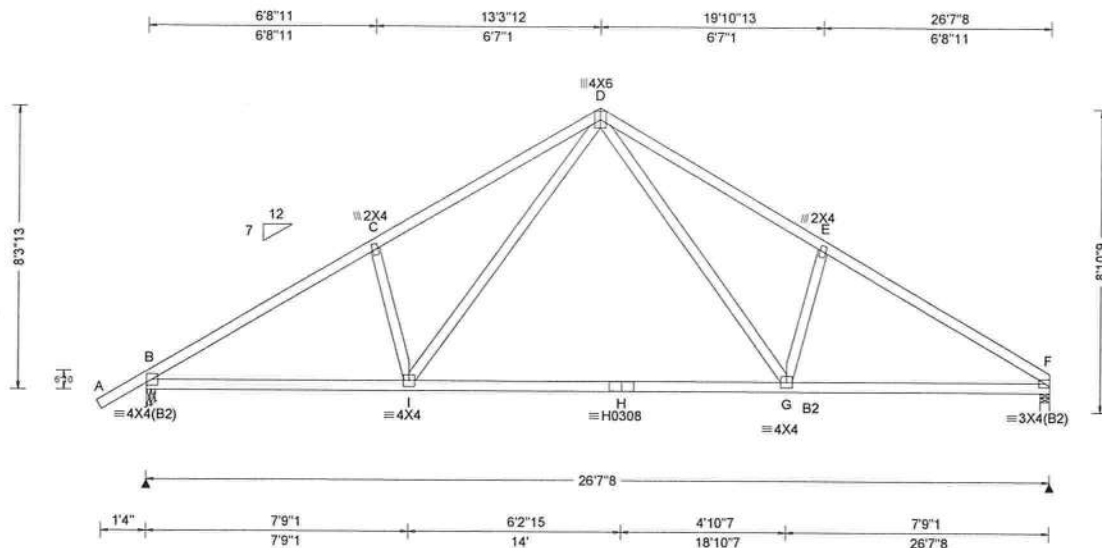
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6750 Forum Drive
Suite 305
Orlando FL 32821

SEQN: 66040 FROM: RNB	COMN Ply: 1 Qty: 4	Job Number: B53612a Hutcherson Res Truss Label: T-1	Cust: R 857 JRef: 1X5L8570003 T4 DrwNo: 141.21.1325.33490 SSB / WHK 05/21/2021
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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: B 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, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.066 G 999 360 VERT(CL): 0.132 G 999 240 HORZ(LL): 0.030 G - - HORZ(TL): 0.059 G - - Creep Factor: 2.0 Max TC CSI: 0.996 Max BC CSI: 0.754 Max Web CSI: 0.251 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1103 /- /- /591 /99 /178 F 1012 /- /- /530 /78 /- Wind reactions based on MWFRS B Brg Width = 3.0 Min Req = 1.5 F Brg Width = 3.5 Min Req = 1.5 Bearings B & F 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 159 -1563 D - E 245 -1470 C - D 239 -1462 E - F 164 -1570

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP SS Dense; B2 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	54	-1.41	13.31
TC	55	13.31	26.56
BC	120	0.13	26.49

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.



05/21/2021

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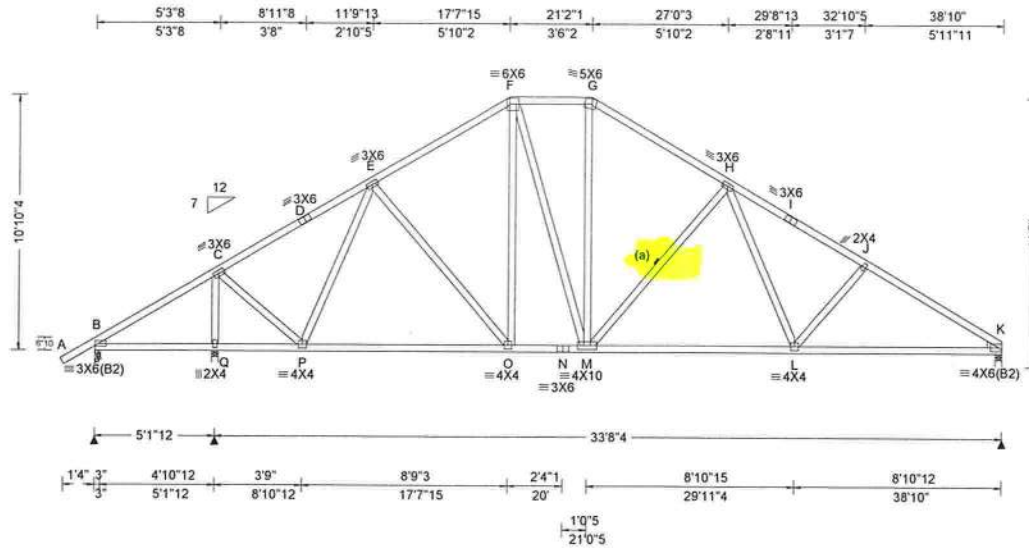
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 66186 FROM: RNB	COMN	Ply: 1 Qty: 3	Job Number: B53612a Hutcherson Res Truss Label: T-2	Cust: R 857 JRef: 1X5L8570003 T51 DrwNo: 141.21.1325.36840 SSB / WHK 05/21/2021
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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: B 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	PP Deflection in loc L/defl L/# VERT(LL): 0.078 L 999 360 VERT(CL): 0.148 L 999 240 HORZ(LL): 0.032 L - - HORZ(TL): 0.062 L - - Creep Factor: 2.0 Max TC CSI: 0.965 Max BC CSI: 0.587 Max Web CSI: 0.784 VIEW Ver: 20.02.00A.1020.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 237 /-107 /- /43 /25 /241 Q 1699 /- /- /934 /- /- K 1255 /- /- /699 /- /- Wind reactions based on MWFRS B Brg Width = 3.0 Min Req = 1.5 Q Brg Width = 3.5 Min Req = 2.1 K Brg Width = 3.5 Min Req = 1.6 Bearings B, Q, & K 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 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	65	-1.41	17.66
TC	24	17.66	21.17
TC	47	21.17	38.77
BC	75	0.13	38.70

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.

Additional Notes

Refer to DWG PB160160118 for piggyback details.

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.
P - O	858 0	M - L	1343 0
O - N	909 0	L - K	1649 -68
N - M	909 0		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
Q - C	148 -1601	M - H	158 -562
C - P	1178 0	H - L	456 0
P - E	80 -681		



COA #00278

05/21/2021

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****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

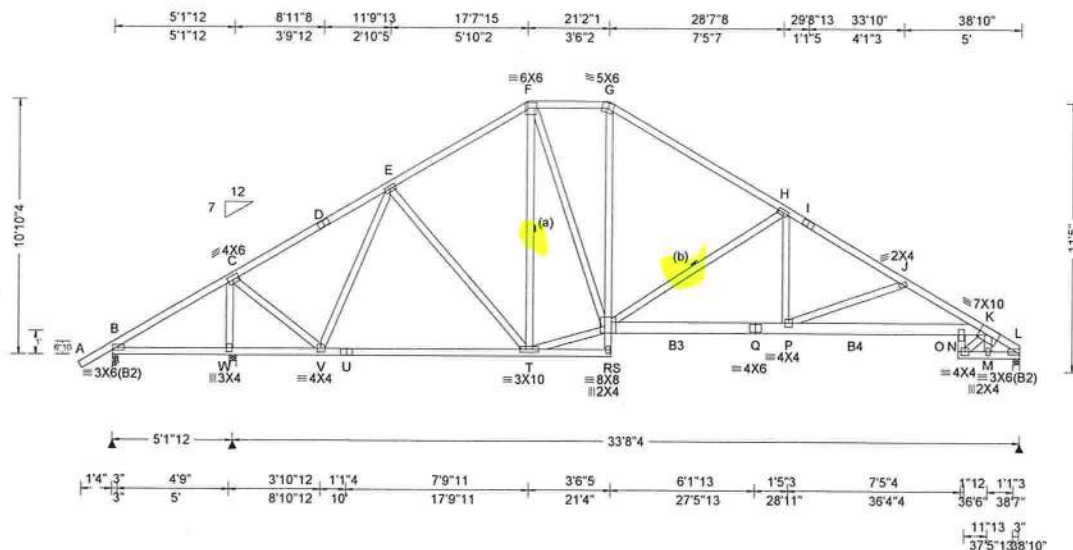
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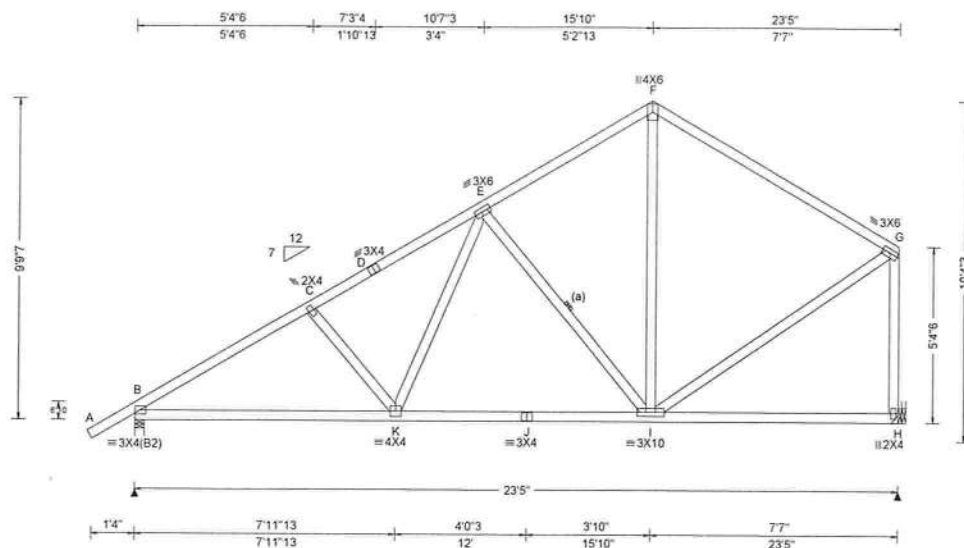


Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 7.00	Speed: 140 mph	Pf: NA Ce: NA	VERT(LL): 0.238 O 999 360	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.448 O 904 240	B 94 /-366 /- /- /120 /226
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.125 M - -	W 1995 /- /- /- /1110 /- /-
	EXP: B Kzt: NA		HORZ(TL): 0.237 M - -	L 1224 /- /- /619 /- /-
Des Ld: 37.00	Mean Height: 15.00 ft		Creep Factor: 2.0	Wind reactions based on MWFRS
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Max TC CSI: 0.979	B Brg Width = 3.0 Min Req = 1.5
Soffit: 2.00	BCDL: 6.0 psf	FBC 7th Ed. 2020 Res.	Max BC CSI: 0.954	W Brg Width = 3.5 Min Req = 2.5
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max Web CSI: 0.949	L Brg Width = 3.5 Min Req = 1.5
Spacing: 24.0 "	C&C Dist a: 3.88 ft	Rep Fac: Yes		Bearings B, W, & L Fcperp = 425psi.
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/0(0)		Members not listed have forces less than 375#
	GCpi: 0.18	Plate Type(s):		Maximum Top Chord Forces Per Ply (lbs)
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.02.00A.1020.20	Chords Tens Comp Chords Tens Comp

Webbs	Tens.Comp.	Webbs	Tens. Comp.
W - C	16 - 1873	R - H	0 - 870
C - V	1391 0	H - P	598 0
V - E	0 - 824	P - J	147 - 399
F - R	589 0	O - N	855 0
T - R	873 0	O - K	0 - 1283



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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 7.00	Speed: 140 mph	Pf: NA Ce: NA	VERT(LL): 0.042 K 999 360	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.077 K 999 240	B 983 /- /- /551 /- /199
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.013 I - -	H 887 /- /- /448 /- /-
	EXP: B Kzt: NA		HORZ(TL): 0.025 I - -	Wind reactions based on MWFRS
Des Ld: 37.00	Mean Height: 15.00 ft		Creep Factor: 2.0	B Brg Width = 3.5 Min Req = 1.5
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Max TC CSI: 0.985	H Brg Width = - Min Req = -
Soffit: 2.00	BCDL: 6.0 psf	FBC 7th Ed. 2020 Res.	Max BC CSI: 0.444	Bearing B Fcperp = 425psi.
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max Web CSI: 0.443	Members not listed have forces less than 375#
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes		Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/0(0)		Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.02.00A.1020.20	B - C 128 - 1344 E - F 139 - 662

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 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	60	-1.41	15.83
TC	74	15.83	23.42
BC	120	0.13	23.42

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.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



COA #0278

05/21/2021

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SEQN: 66071	COMN	Ply: 1	Job Number: B53612a	Cust: R 857 JRef: 1X5L8570003 T11
FROM: RNB		Qty: 4	Hutcherson Res	DrwNo: 141.21.1325.45133
Page 2 of 2			Truss Label: T-4	SSB / WHK 05/21/2021

Hangers / Ties

Simpson Construction Hardware is specified based on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information.

Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Bearing at location x=23'2" uses the following support conditions: 23'2"

Bearing H (23'2", 8'1"2) HUS26

Supporting Member: (2)2x6 SP #1

(14) 0.148"x3" nails into supporting member,

(4) 0.148"x3" nails into supported member.



05/21/2021

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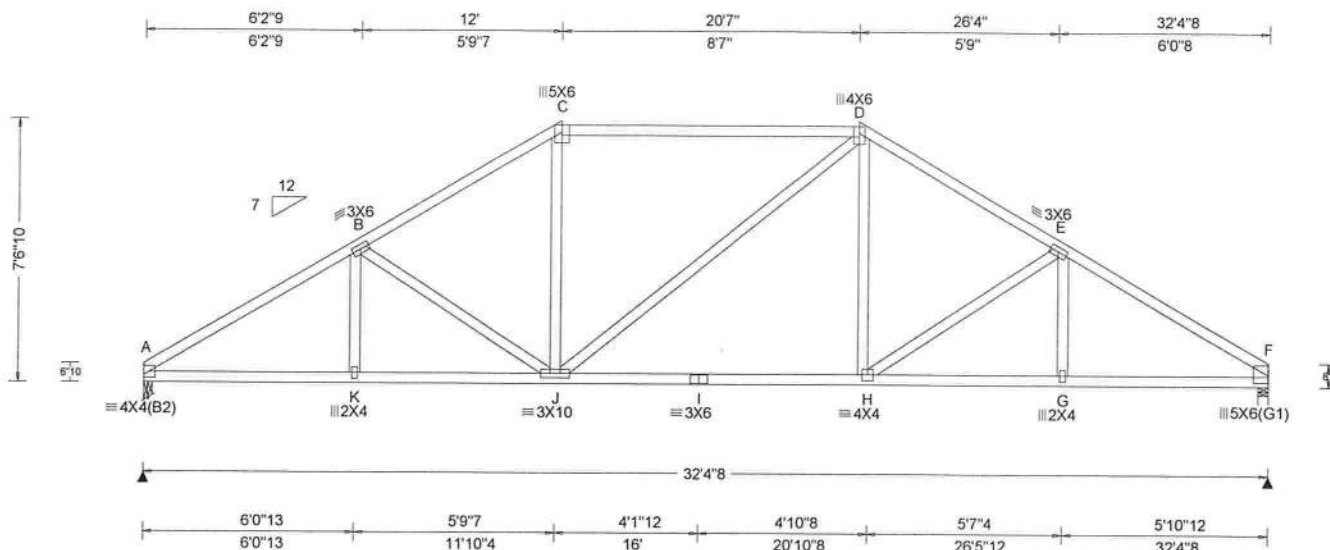
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SEQN: 66151 FROM: RNB	COMM Qty: 1	Ply: 1	Job Number: B53612a Hutcherson Res Truss Label: T-5	Cust: R 857 JRef: 1X5L8570003 T27 DrwNo: 141.21.1325.46890 SSB / WHK 05/21/2021
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Loading Criteria (psf)	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: B 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: 3.24 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): 0.081 J 999 360 VERT(CL): 0.154 J 999 240 HORZ(LL): 0.039 G - - HORZ(TL): 0.074 G - - Creep Factor: 2.0 Max TC CSI: 0.999 Max BC CSI: 0.568 Max Web CSI: 0.286 VIEW Ver: 20.02.00A.1020.20	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A 1236 /- /- /649 /101 /141 F 1231 /- /- /645 /101 /- Wind reactions based on MWFRS A Brg Width = 3.0 Min Req = 1.6 F Brg Width = 3.5 Min Req = 1.5 Bearings A & F Fcperp = 425psi. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 384 -1967 D - E 418 -1621 B - C 419 -1624 E - F 384 -1955 C - D 410 -1343

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Rt Stub 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	48	0.07	12.00
TC	24	12.00	20.58
TC	51	20.58	32.38
BC	120	0.13	32.38

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 #0673
05/21/2021

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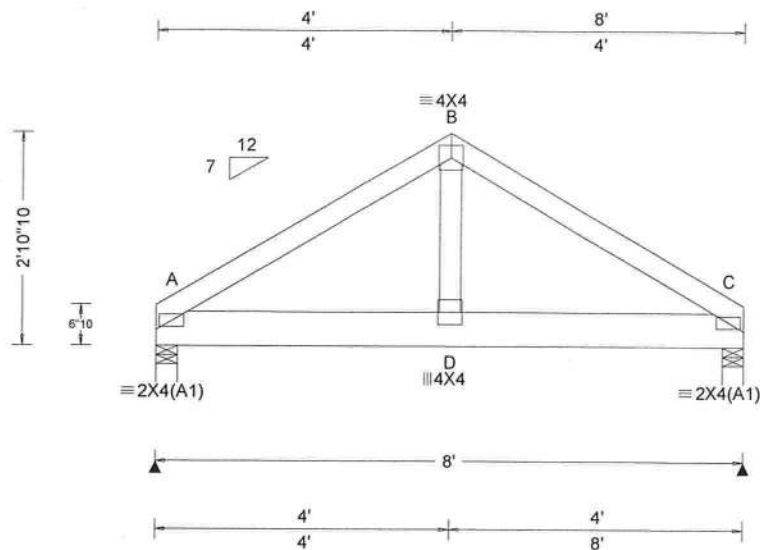
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 7.00	Speed: 140 mph	Pf: NA Ce: NA	VERT(LL): 0.008 D 999 360	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.015 D 999 240	A 878 /- /- /- /11 /-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.002 D - -	C 865 /- /- /- /12 /-
Des Ld: 37.00	EXP: B Kzt: NA		HORZ(TL): 0.004 D - -	Wind reactions based on MWFRS
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	A Brg Width = 3.5 Min Req = 1.5
Soffit: 2.00	TCDL: 4.2 psf	IBC 7th Ed. 2020 Res.	Max TC CSI: 0.353	C Brg Width = 3.5 Min Req = 1.5
Load Duration: 1.25	BCDL: 6.0 psf	TPI Std: 2014	Max BC CSI: 0.232	Bearings A & C Fcperp = 425psi.
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Varies by Ld Case	Max Web CSI: 0.253	Members not listed have forces less than 375#
	C&C Dist a: 3.00 ft	FT/RT:20(0)/0(0)		Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: Any	Plate Type(s):		Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	WAVE	VIEW Ver: 20.02.00A.1020.20	A - B 26 -922 B - C 26 -922
	Wind Duration: 1.60			

Lumber

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

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
 TC: From 56 plf at 0.00 to 56 plf at 8.00
 BC: From 10 plf at 0.00 to 10 plf at 8.00
 BC: 303 lb Conc. Load at 0.96, 2.96, 4.96, 6.96

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	56	0.00	4.00
TC	56	4.00	8.00
BC	92	0.15	7.85

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

Wind

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



05/21/2021

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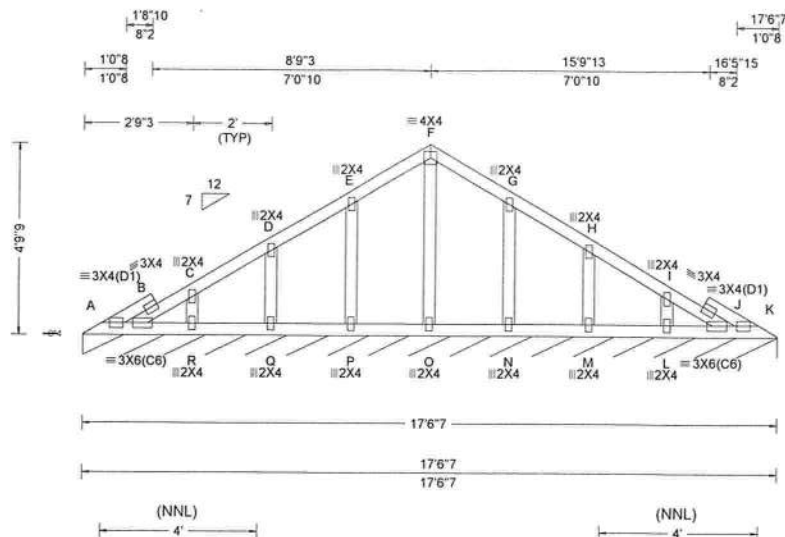
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6750 Forum Drive
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SEQN: 66796 FROM: RNB	VAL Qty: 1	Ply: 1 Job Number: B53612a Hutcherson Res Truss Label: V1	Cust: R 857 JRef: 1X5L8570003 T53 DrwNo: 141.21.1325.52280 SSB / WHK 05/21/2021
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Loading 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: B 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	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): 0.001 B 999 360 VERT(CL): 0.002 B 999 240 HORZ(LL): -0.001 B - - HORZ(TL): 0.002 B - - Creep Factor: 2.0 Max TC CSI: 0.039 Max BC CSI: 0.028 Max Web CSI: 0.037 VIEW Ver: 20.02.00A.1020.20	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity K* 76 /- /- /47 /- /7 Wind reactions based on MWFRS K Brg Width = 210 Min Req = - Bearing A 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	20	0.29	1.79
TC	75	1.33	8.77
TC	75	8.77	16.20
TC	20	15.74	17.24
BC	120	0.00	17.54

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.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.



COA #0078
05/21/2021

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****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

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



6750 Forum Drive
Suite 305
Orlando FL, 32821

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

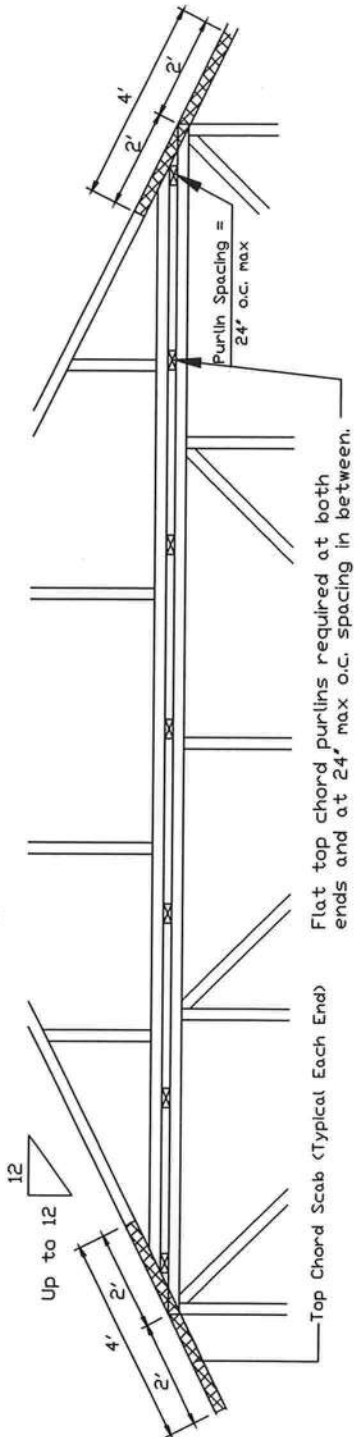
160 mph Vind, 3000 ft Mean Hgt, ASCE 7-16, Enclosed Bldg, located anywhere in roof, Exp C, Vind DL= 5.0 psf (min), Kzt=1.0.
Or 140 mph wind, 3000 ft Mean Hgt, ASCE 7-16, Enclosed Bldg, located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

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.

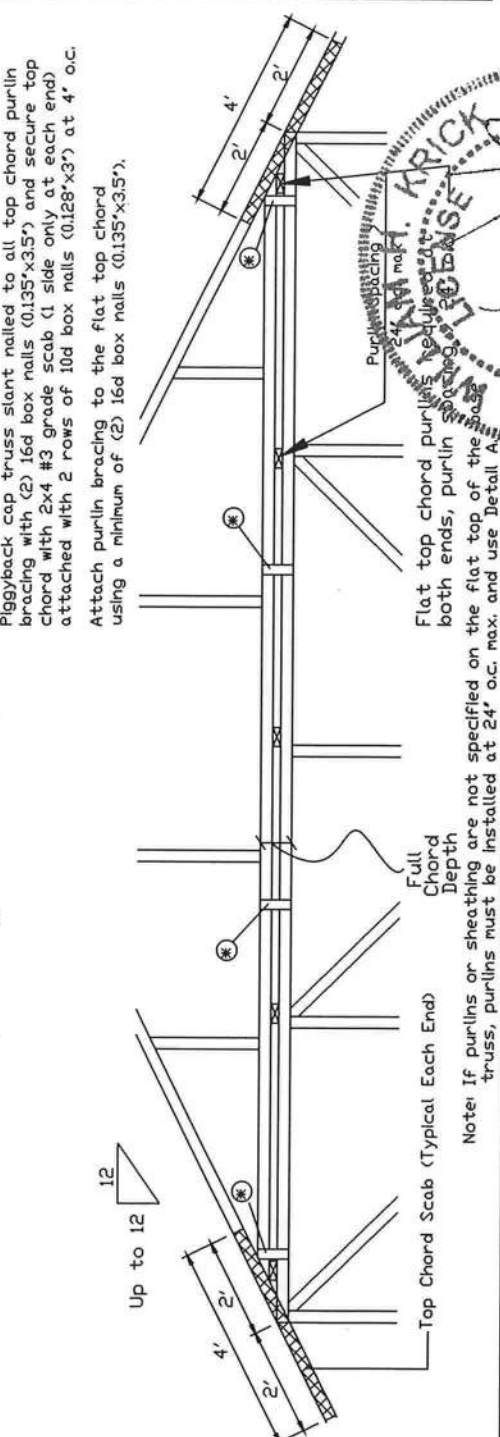
Maximum truss spacing is 24' o.c. detail is not applicable if cap supports additional loads such as cupola, steeple, chimney or drag strut loads.

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

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



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



- * 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.
 - 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.
 - 28PB Wave Piggyback Plate
 - One 28PB 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.

11137231 Riverport Drive
11 Suite 200
11 Maryland Heights, MO 63043

IMPORTANT! READ AND FOLLOW ALL NOTES ON THIS DRAWING

Trusses require extreme care in fabrication, handling, shipping, installing and bracing. Refer to and follow the instructions on the BCSI Building Component Safety Information, by TPI and SBCA) for safety practices prior to erection. The truss manufacturer shall provide the necessary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural lateral restraint. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint for purlins 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 the instructions, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation, or erection of the truss.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

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

WARNING: READ AND FOLLOW ALL NOTES ON THIS DRAWING

IMPORTANT! FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabrication, handling, shipping, installing and bracing. Refer to and follow the instructions on the BCSI Building Component Safety Information, by TPI and SBCA) for safety practices prior to erection. The truss manufacturer shall provide the necessary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural lateral restraint. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint for purlins 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 the instructions, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation, or erection of the truss.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

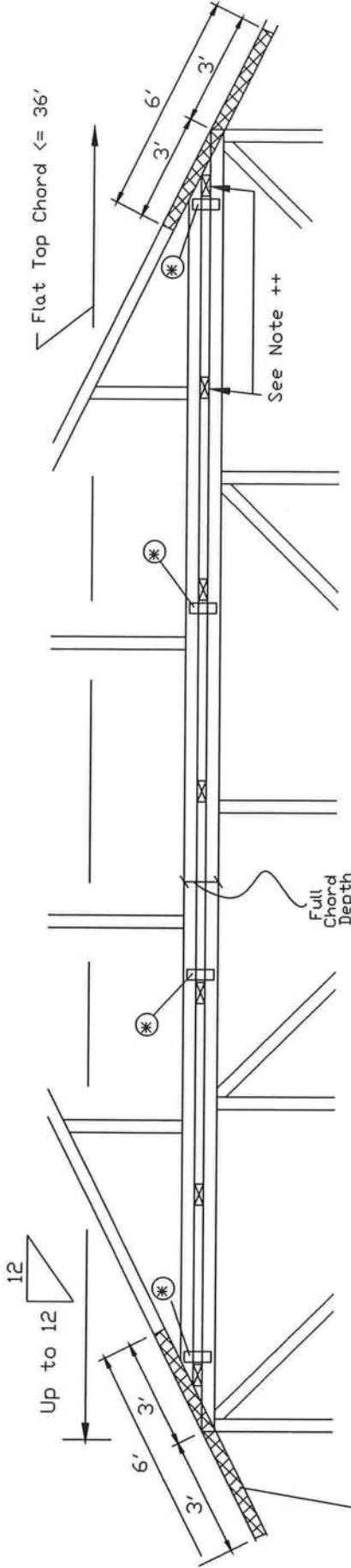
For more information see this job's general notes page and these web sites
ALPINE: www.alphnetw.com TPI: www.tpihst.org SBCA: www.sbcindustry.org ICC: www.iccsafe.org

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.



Top Chord Scab (Typical Each End)

* 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.	28PB Wave Piggyback Plate One 28PB 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 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.

WARNING: READ AND FOLLOW ALL NOTES ON THIS DRAWING
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to 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. Trusses shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Refer to drawings 160A-2 for standard plate positions.
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviations from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation, or bracing of trusses.
The engineer of record shall retain the responsibility for the design and engineering of the structure. The responsibility for the building designer per ANSI/TPI 1 Sec.2 for any structure is the responsibility of the building designer per ANSI/TPI 1 Sec.2.

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

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

ALPINE
AN ITW COMPANY
115141 Earth City Expressway
11 Sullie 242
11 Earth City, MO 63045

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.

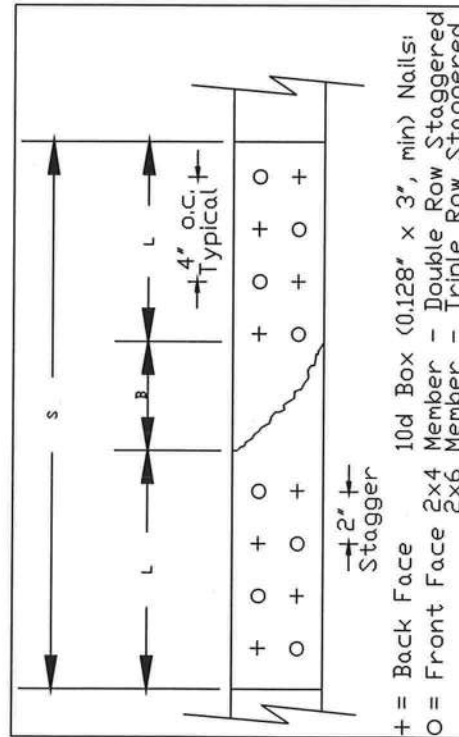
Nail using 10d box or gun nails (0.128"x3", min) into each side member.

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.



Nail Spacing Detail

****IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING TRUSSES**

require extreme care in fabrication, handling, shipping, installing and bracing. Refer to the latest edition of BEST Building Component Safety Information by TPI and SBCA for complete details regarding design, erection and maintenance of temporary bracing.

Shall have a property attached rigid shell. Locations shown for permanent lateral restraint shall have bracing installed per BEST sections 93, 97 or B10, as applicable. Apply plates to each end of all members at locations indicated on drawings. Details, unless noted otherwise.

Refer to drawings 160A-Z for standard plate positions.

Alpre, a division of ITV 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 more information see this Job's general notes page and these web sites:
ALPINE www.alpinetw.com TPI www.tpinst.org SBICA www.sbcindustry.org ICC www.iccsafe.org

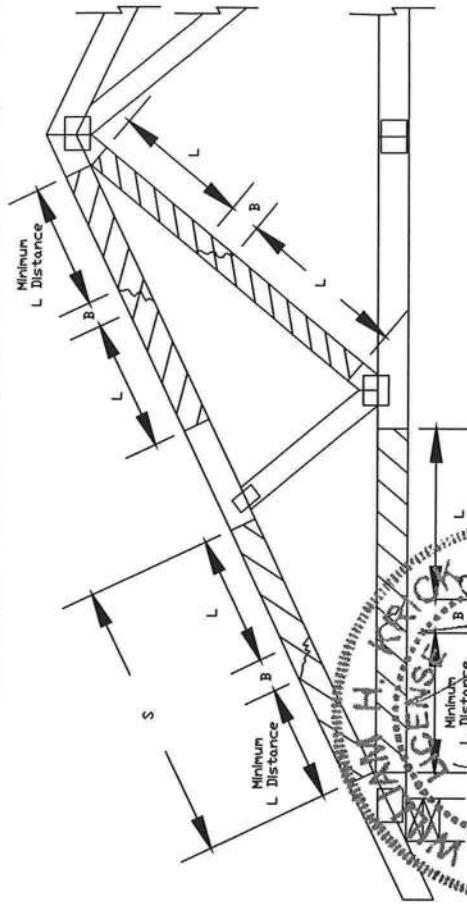
LAURENCE CITY, IOWA 03064

\\ Suite\ 242

Earth City.

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		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#



REF	MEMBER REPAIR
DATE	10/01/14
DRWG	REPCHRD1014

	SPACING	24.0" MAX
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Professional Engineer
State of Florida
No. 10861
06/21/2021

tel and
society
BCSL
from child
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each face

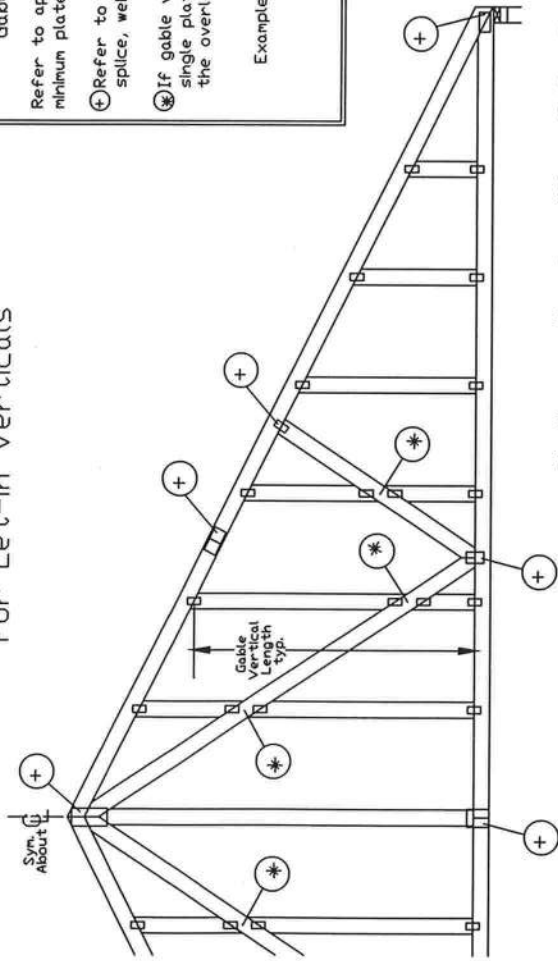
Gable Stud Reinforcement Detail

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

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

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

Gable Detail For Let-in Verticals

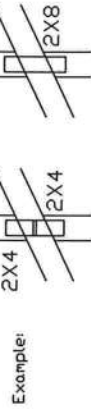


Gable Truss Plate Sizes

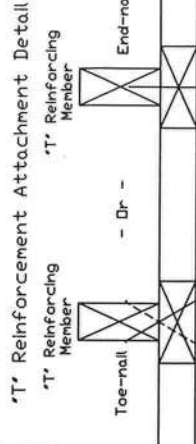
Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs.

⊕ 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:



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. Mbr. 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% = 1.30

(1) 2x4 'L' Brace Length = 8' 7"

Maximum 'T' Reinforced Gable Vertical Length 1.30 x 8' 7" = 11' 2"

Provide connections for uplift specified on the engineered truss design.

Attach each 'T' reinforcing member with

End Driven Nails:

10d Common (0.148"x 3.7min) Nails at 4' o.c. plus

(4) nails in the top and bottom chords.

Toenailed Nails:

10d Common (0.148"x 3.7min) 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.

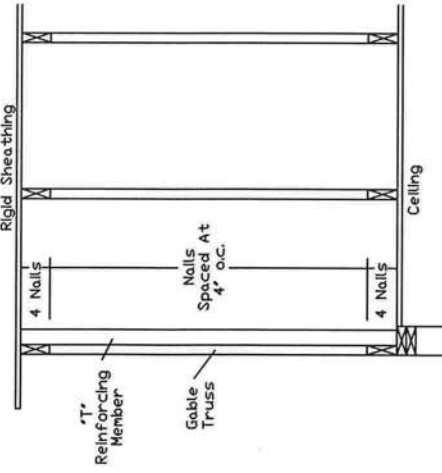
ASCE 7-05 Gable Detail Drawings

A13015051014, A11015051014, A10015051014, A14015051014, A13030051014, A12030051014, A11030051014, A10030051014

ASCE 7-10 & ASCE 7-16 Gable Detail Drawings

A11515ENC100118, A12015ENC100118, A14015ENC100118, A16015ENC100118, A18015ENC100118, A20015ENC100118, A22015ENC100118, A24015ENC100118, A26015ENC100118, A28015ENC100118, A30015ENC100118, A32015ENC100118, A34015ENC100118, A36015ENC100118, A38015ENC100118, A40015ENC100118, A42015ENC100118, A44015ENC100118, A46015ENC100118, A48015ENC100118, A50015ENC100118, A52015ENC100118, A54015ENC100118, A56015ENC100118, A58015ENC100118, A60015ENC100118, A62015ENC100118, A64015ENC100118, A66015ENC100118, A68015ENC100118, A70015ENC100118, A72015ENC100118, A74015ENC100118, A76015ENC100118, A78015ENC100118, A80015ENC100118, A82015ENC100118, A84015ENC100118, A86015ENC100118, A88015ENC100118, A90015ENC100118, A92015ENC100118, A94015ENC100118, A96015ENC100118, A98015ENC100118, A100015ENC100118

See appropriate Alpine gable detail for maximum gable vertical length.



IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING INCLUDING THE INSTALLATION INSTRUCTIONS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to 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 property attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint in plans shall be used for all trusses unless otherwise specified. Apply plates to each end 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 deviations from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

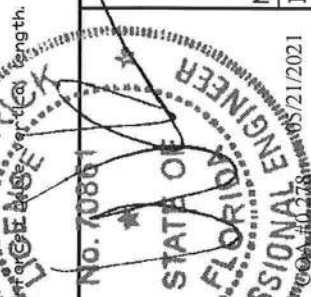
For more information see this job's general notes page and these web sites
ALPINE: www.alpineinc.com TPI: www.tpiinc.com SBCA: www.sbcainc.com ICC: www.iccsafe.org

REF LET-IN VERT
DATE 01/02/2018
DRWG GBLLETIN0118

MAX. TOT. LD. 60 PSF
DUR. FAC. ANY
MAX. SPACING 24.0"



115141 Earth City Expressway
11 Suite 242
11 Earth City, MO 63045



$C, K_{zt} = 1.00$ $C, K_{zt} = 1.00$ $C, K_{zt} = 1.00$ $C, K_{zt} = 1.00$ $C, K_{zt} = 1.00$ $C, K_{zt} = 1.00$  $C, K_{zt} = 1.00$ $C, K_{zt} = 1.00$ $C, K_{zt} = 1.00$ $C, K_{zt} = 1.00$ $C, K_{zt} = 1.00$ $C, K_{zt} = 1.00$ $C, K_{zt} = 1.00$ $C, K_{zt} = 1.00$

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

Top Chord 2x4 SP #2N, SPF #1/#2, DF-L #2 or better.
Bot Chord 2x4 SP #2N or SPF #1/#2 or better.
Webs 2x4 SP #3, SPF #1/#2, DF-L #2 or better.

*** Attach each valley to every supporting truss with:
535# connection or with (1) Simpson H2.5A or
equivalent connector for
ASCE 7-16 180 mph. 30' Mean Height, Part. Enc.
Building, Exp. C, Wind TC DL=5 psf, Kzt= 1.00

ASCE 7-16 160 mph. 30' Mean Height, Part. Enc.
Building, Exp. D, Wind TC DL=5 psf, Kzt = 1.00

Bottom chord may be square or pitched cut as shown.

Valleys short enough to be cut as solid triangular members from a single 2x6, or larger as required, shall be permitted in lieu of fabricating from separate 2x4 members.

All plates shown are Alpine Wave Plates.

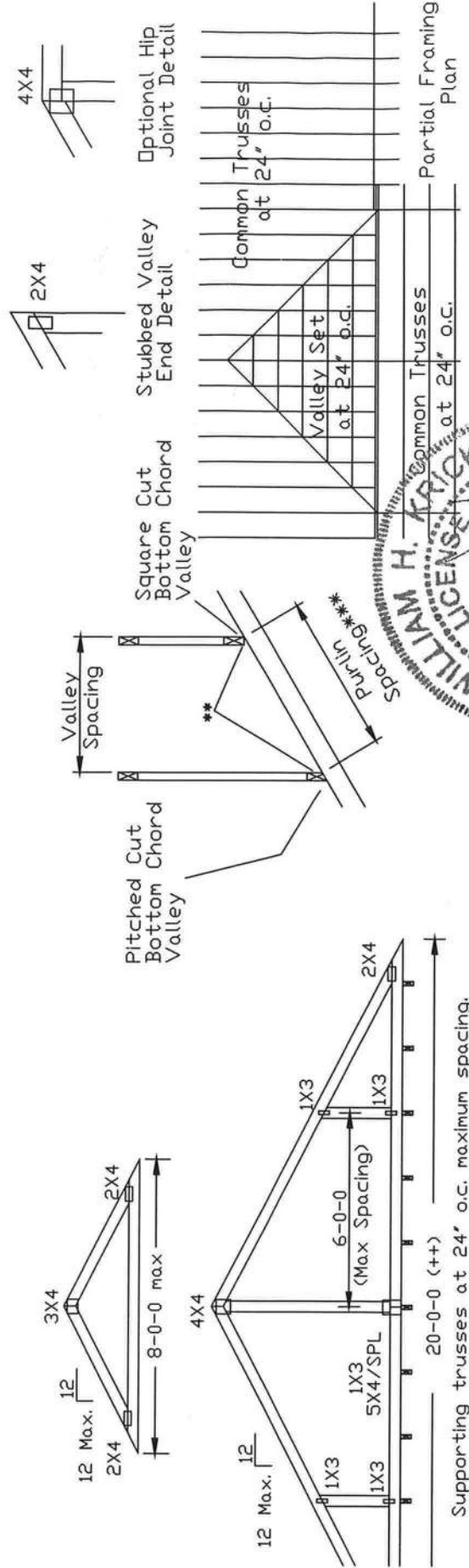
Unless specified otherwise on engineer's sealed design, for vertical valley webs taller than 7'-9" apply 2x4 "T" reinforcement, 80% length of web, same species and grade or better, attached with 10d box (0.128" x 3.0") nails at 6" o.c. In lieu of "T" reinforcement, 2x4 Continuous Lateral Restraint applied at mid-length of web is permitted with diagonal bracing as shown in DRWG BRCLBANC1014.

Top chord of truss beneath valley set must be braced with: properly attached, rated sheathing applied prior to valley installation.

Purlins at 24" o.c. or as otherwise specified on engineer's sealed design
Or
By valley trusses used in lieu of purlin spacing as specified on Engineer's sealed design.

*** Note that the purlin spacing for bracing the top chord of the truss beneath the valley is measured along the slope of the top chord.

++ Larger spans may be built as long as the vertical height does not exceed 14'-0".



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

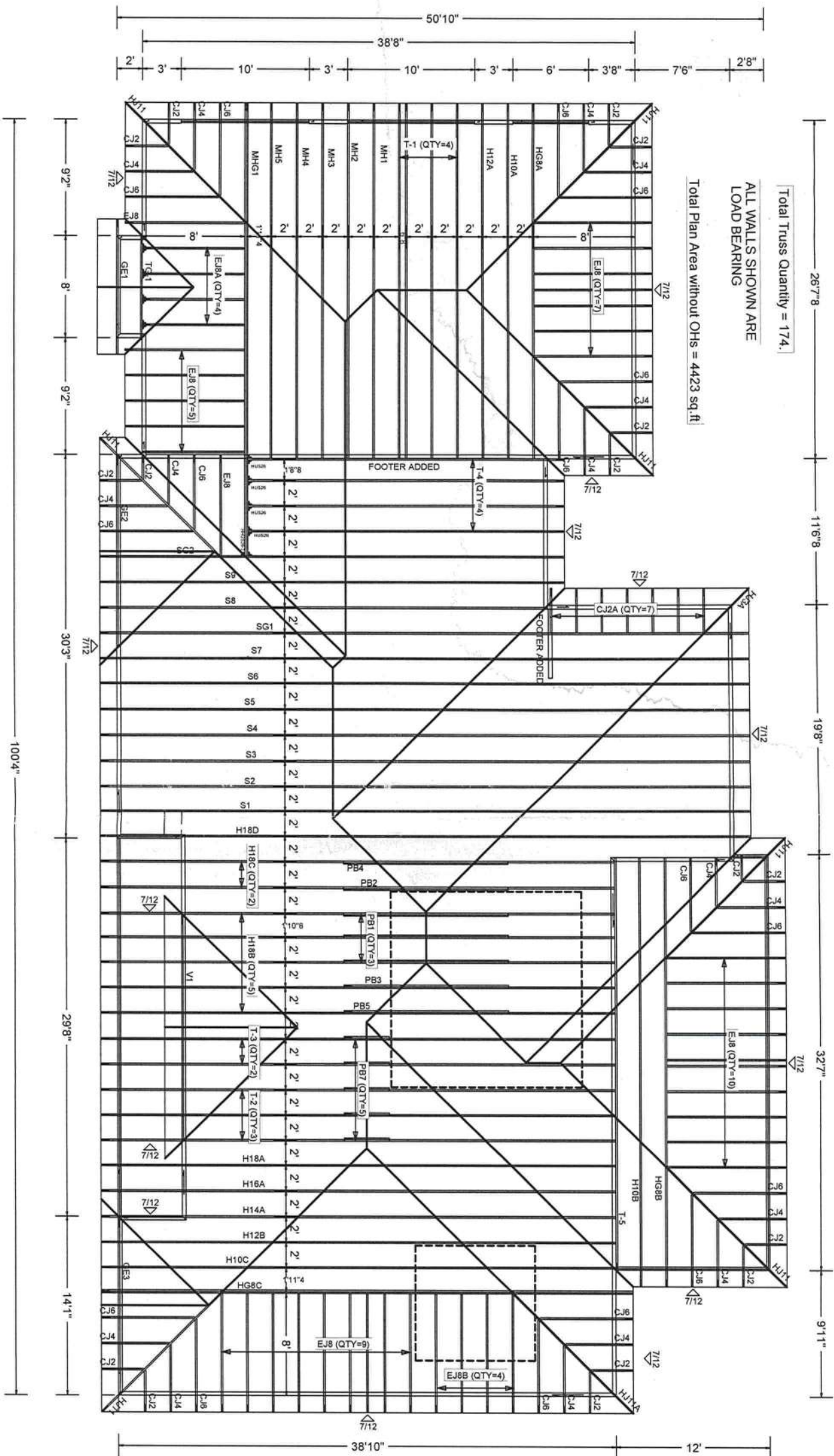
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI Guiding Component Safety Information by TPI and SBCA for details on performing these functions. Installers shall provide temporary bracing per BCSI. Installers shall have a properly attached structural sheathing and bottom chord bracing. Trusses shall have bracing installed per BCSI sections 33, 37 or B10, as applicable, applicable to each type of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

Alpha, a division of ITV Building Components Group Inc. shall not be responsible for any deviation from this drawing. The user of this drawing shall be responsible for the design and engineering of the structure. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI-1 Sec. 3.1.

For more information see this job's general notes page and these web sites:
ALPINE: www.alpinetw.com TPI: www.tpinet.org SBICA: www.sbica.org SBICCA: www.sbicca.org

TC-LL	30	30	40PSF	REF	VALLEY DETAIL
TC DL	20	15	7 PSF	DATE	01/26/2018
BC DL	10	10	10 PSF	DRWG	VAL180160118
BC LL	0	0	0 PSF		
TOT. LD.	60	55	57PSF		
DUR.FAC.	1.25/1.33	1.15	1.15		
SPACING	24.0"				

05/21/2021



Job Name: Hutcherson Res
Customer: Erkinger Home Builders
Designer: Rodney Barone
PlanName:
Created : 05-20-2021
SemRef#: B53612a

JOB NO:
B53612a

PAGE NO:
1 OF 1

