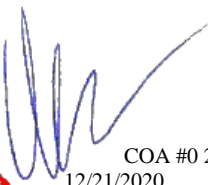


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COA #0 278
12/21/2020



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



Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 20-4950
Job Description: Jenkins Res	
Address:	

Job Engineering Criteria:			
Design Code: FBC 2017 RES		IntelliVIEW Version: 20.01.01A JRef #: 1X1b2150007	
Wind Standard: ASCE 7-16	Wind Speed (mph): 130	Design Loading (psf): 37.00	
Building Type: Closed			

This package contains general notes pages, 25 truss drawing(s) and 1 detail(s).

Item	Drawing Number	Truss
1	356.20.0843.03650	A01
3	356.20.0842.46393	A03
5	356.20.0842.31823	A05
7	356.20.0842.28730	A07
9	356.20.0842.24963	A09
11	356.20.0842.13823	A11
13	356.20.0842.08703	A13
15	356.20.0842.05287	A15
17	356.20.0842.01417	B01
19	356.20.0841.58047	B03
21	356.20.0841.52333	EJ7
23	356.20.0841.53647	CJ5
25	356.20.0841.56723	CJ1

Item	Drawing Number	Truss
2	356.20.0842.59237	A02
4	356.20.0842.34157	A04
6	356.20.0842.30263	A06
8	356.20.0842.27140	A08
10	356.20.0842.22520	A10
12	356.20.0842.10477	A12
14	356.20.0842.07083	A14
16	356.20.0842.03317	A16
18	356.20.0841.59433	B02
20	356.20.0841.49337	HJ7
22	356.20.0841.50740	EJ7A
24	356.20.0841.54950	CJ3
26	BRCLBSUB0119	

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.

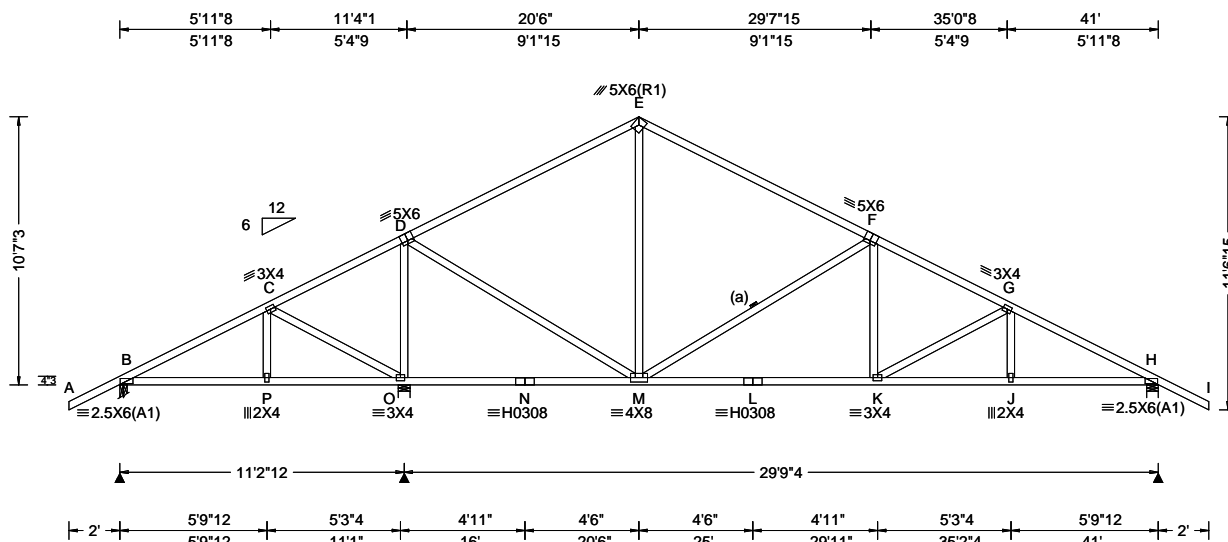
Refer to ASCE-7 for Wind and Seismic abbreviations.

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: 3953 FROM: SDY	COMN Ply: 1 Qty: 2	Job Number: 20-4950 Jenkins Res Truss Label: A01	Cust: R 215 JRRef: 1X1b2150007 T8 DrwNo: 356.20.0843.03650 / WHK 12/21/2020
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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: 20.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.07 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.10 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 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/def L/# VERT(LL): 0.081 K 999 240 VERT(CL): 0.144 K 999 180 HORZ(LL): 0.023 E - - HORZ(TL): 0.040 E - - Creep Factor: 2.0 Max TC CSI: 0.844 Max BC CSI: 0.601 Max Web CSI: 0.996 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL B 390 -/- /- /217 /41 /330 O 2018 -/- /- /1019 /75 -/- H 1258 -/- /- /750 /85 -/- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 O Brg Width = 5.5 Min Req = 1.5 H Brg Width = 5.5 Min Req = 1.5 Bearings B, O, & H are a rigid surface. 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 #2;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

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

Wind

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

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
M - L	1431 -191	K - J	1721 -293
L - K	1431 -191	J - H	1723 -291

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - O	137 -429	E - M	430 -16
O - D	467 -1559	M - F	305 -901
D - M	1155 -190	F - K	644 0



COA #0278

12/21/2020

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

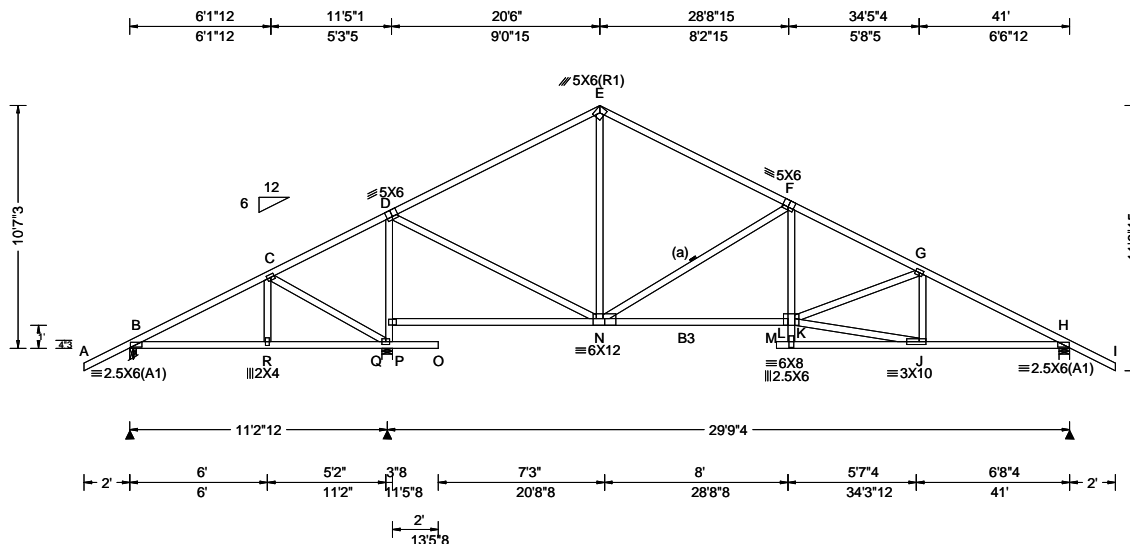
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

SEQN: 3995 FROM: SDY	COMN Ply: 1 Qty: 6	Job Number: 20-4950 Jenkins Res Truss Label: A02	Cust: R 215 JRef: 1X1b2150007 T9 DrwNo: 356.20.0842.59237 / WHK 12/21/2020
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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: 20.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.07 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.10 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 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.091 K 999 240 VERT(CL): 0.170 K 999 180 HORZ(LL): 0.020 E - - HORZ(TL): 0.040 E - - Creep Factor: 2.0 Max TC CSI: 0.800 Max BC CSI: 0.991 Max Web CSI: 0.676 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 500 -/- /- /213 /105 /330 Q 1691 -/- /- /1027 /46 -/ H 1224 -/- /- /801 /109 -/ Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 Q Brg Width = 5.5 Min Req = 1.6 H Brg Width = 5.5 Min Req = 1.5 Bearings B, Q, & H are a rigid surface. 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 #2;
Bot chord: 2x4 SP #2; B3 2x4 SP M-31;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

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.
N - K	1555 -291	J - H	1676 -354

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - Q	123 -461	E - N	601 -65
Q - P	324 -1362	N - F	341 -950
P - D	340 -1318	F - K	764 -43
D - N	1009 -50	K - J	1690 -344



COA #0218

12/21/2020

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

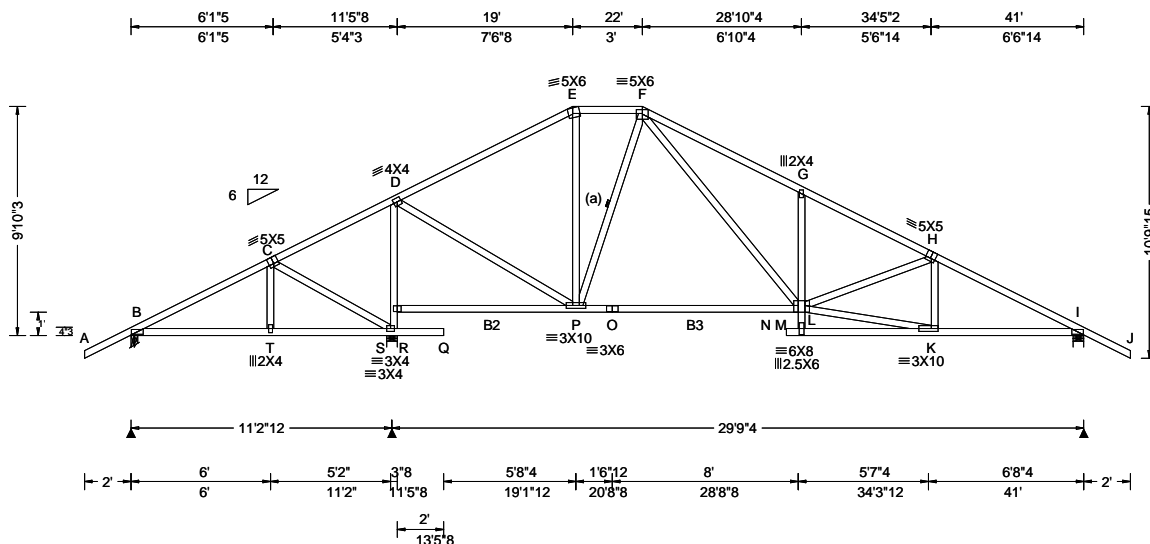
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

SEQN: 3992 FROM: SDY	HIPS Ply: 1 Qty: 1	Job Number: 20-4950 Jenkins Res Truss Label: A03	Cust: R 215 JRef: 1X1b2150007 T25 DrwNo: 356.20.0842.46393 / WHK 12/21/2020
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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: 20.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.10 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 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.104 G 999 240 VERT(CL): 0.193 G 999 180 HORZ(LL): 0.019 E - - HORZ(TL): 0.038 E - - Creep Factor: 2.0 Max TC CSI: 0.670 Max BC CSI: 0.847 Max Web CSI: 0.899 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 503 -/- /- /232 /96 /310 S 1673 -/- /- /1004 /47 -/ I 1225 -/- /- /801 /110 -/ Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 S Brg Width = 5.5 Min Req = 1.6 I Brg Width = 5.5 Min Req = 1.5 Bearings B, S, & I are a rigid surface. 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 #2;
Bot chord: 2x4 SP #2; B2,B3 2x4 SP M-31;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2.5X6(A1) except as noted.

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	835 -95	K - I	1686 -396
O - L	838 -95		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - S	133 -464	P - F	192 -386
S - R	374 -1350	F - L	1182 -390
R - D	381 -1323	L - G	268 -375
D - P	1011 -105	L - K	1739 -380



COA #0278

12/21/2020

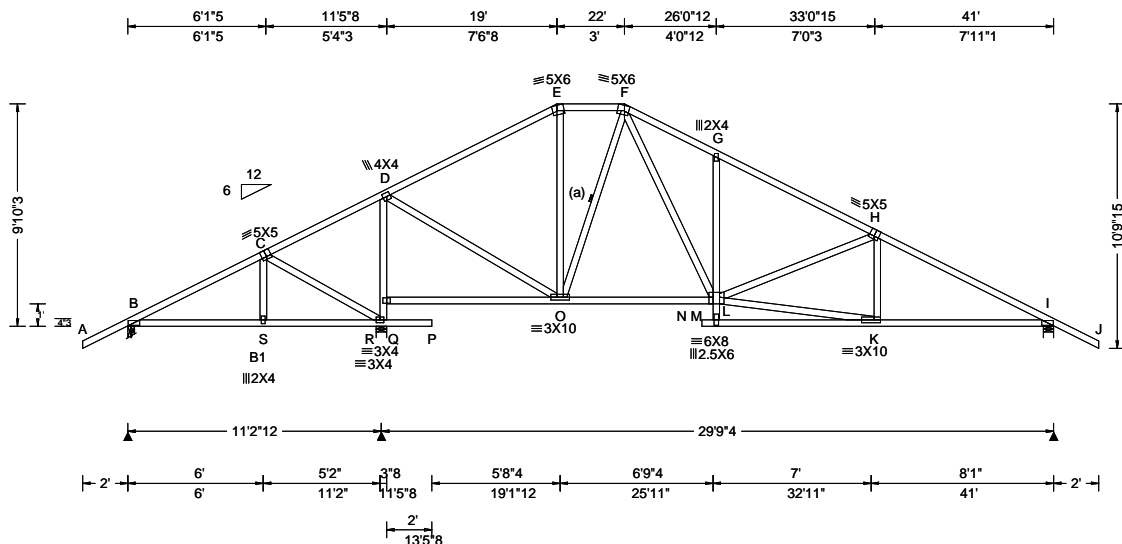
****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**
****IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: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

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

SEQN: 3949 FROM: SDY	HIPS Ply: 1 Qty: 1	Job Number: 20-4950 Jenkins Res Truss Label: A04	Cust: R 215 JRRef: 1X1b2150007 T23 DrwNo: 356.20.0842.34157 / WHK 12/21/2020
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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: 20.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.10 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 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.089 G 999 240 VERT(CL): 0.161 G 999 180 HORZ(LL): 0.018 E - - HORZ(TL): 0.035 E - - Creep Factor: 2.0 Max TC CSI: 0.657 Max BC CSI: 0.468 Max Web CSI: 0.756 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 504 -/- /- /232 /99 /310 R 1739 -/- /- /1003 /46 -/ I 1277 -/- /- /803 /112 -/ Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 R Brg Width = 5.5 Min Req = 1.7 I Brg Width = 5.5 Min Req = 1.5 Bearings B, R, & I are a rigid surface. 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 #2;
Bot chord: 2x4 SP M-31; B1 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2.5X6(A1) except as noted.

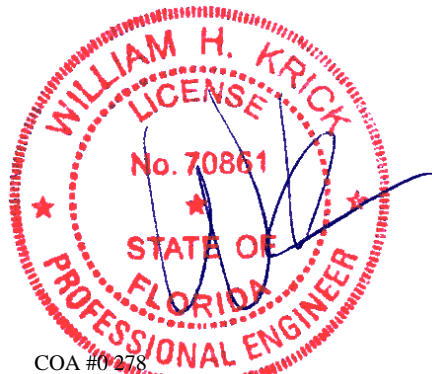
Loading

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.



COA #0278

12/21/2020

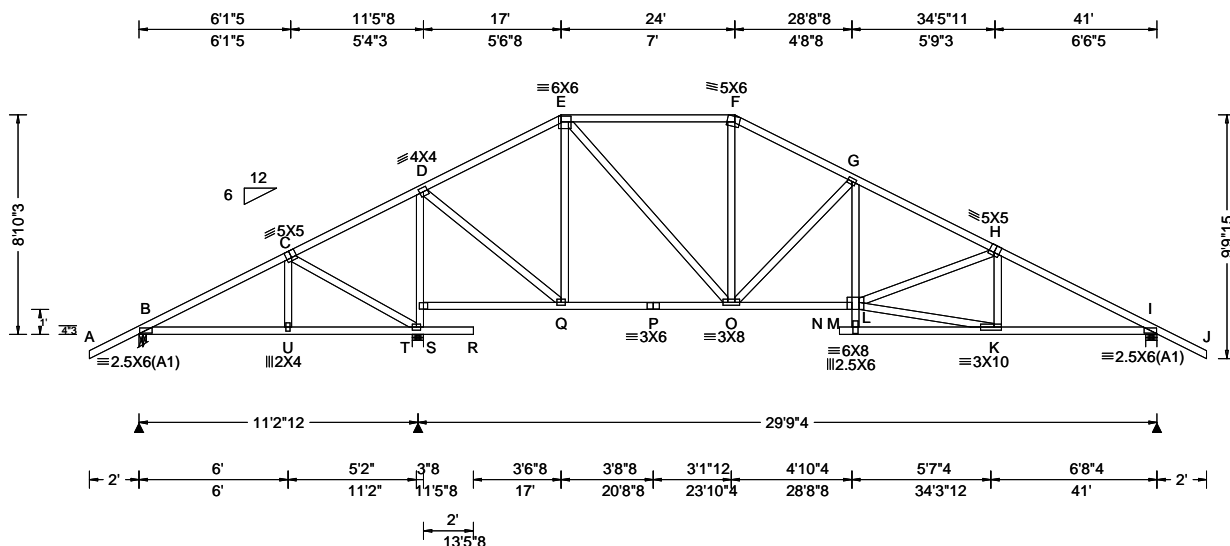
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 3989 FROM: SDY	HIPS Ply: 1 Qty: 1	Job Number: 20-4950 Jenkins Res Truss Label: A05	Cust: R 215 JRRef: 1X1b2150007 T7 DrwNo: 356.20.0842.31823 / WHK 12/21/2020
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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: 20.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.10 ft Loc. from endwall: not in 13.00 ft GCp: 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 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.091 L 999 240 VERT(CL): 0.169 L 999 180 HORZ(LL): 0.018 K - - HORZ(TL): 0.034 K - - Creep Factor: 2.0 Max TC CSI: 0.490 Max BC CSI: 0.874 Max Web CSI: 0.744 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL B 508 - / - / - /250 /93 /283 T 1662 - / - / - /978 /48 - / - I 1230 - / - / - /800 /116 - / - Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 T Brg Width = 5.5 Min Req = 1.6 I Brg Width = 5.5 Min Req = 1.5 Bearings B, T, & I are a rigid surface. 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 #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Plating Notes

All plates are 3X4 except as noted.

Wind

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

Wind loading based on both gable and hip roof types.



COA #0278

12/21/2020

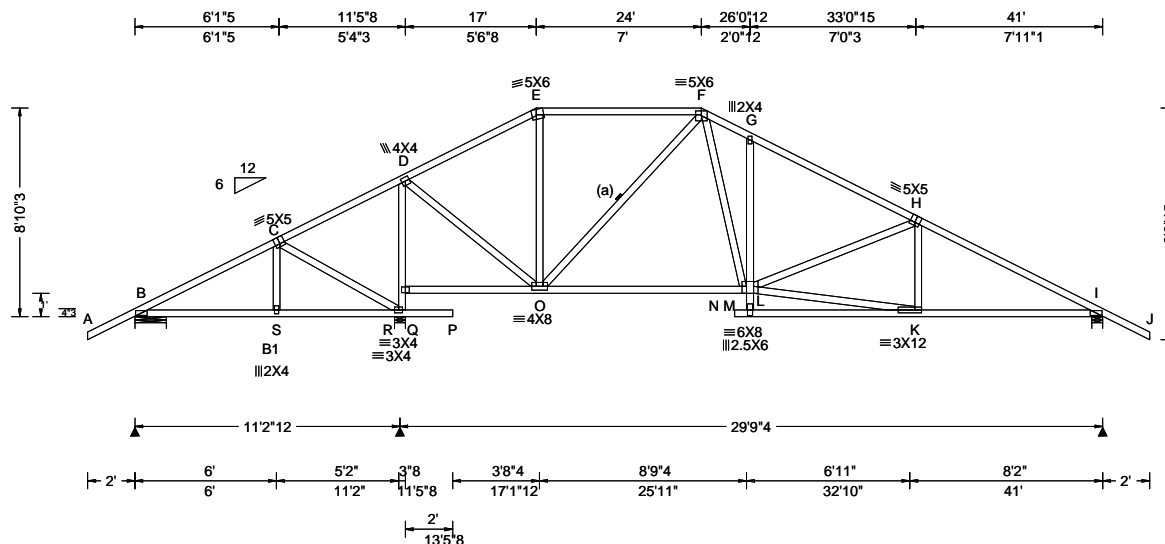
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ALPINE
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6750 Forum Drive
Suite 305
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SEQN: 3942 FROM: SDY	HIPS Ply: 1 Qty: 1	Job Number: 20-4950 Jenkins Res Truss Label: A06	Cust: R 215 JRef: 1X1b2150007 T17 DrwNo: 356.20.0842.30263 / WHK 12/21/2020
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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: 20.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.10 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 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.087 G 999 240 VERT(CL): 0.156 G 999 180 HORZ(LL): 0.015 E - - HORZ(TL): 0.029 E - - Creep Factor: 2.0 Max TC CSI: 0.536 Max BC CSI: 0.475 Max Web CSI: 0.845 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL B 520 - / - / - / 262 / 85 / 283 R 1728 - / - / - / 964 / 50 / - I 1295 - / - / - / 801 / 116 / - Non-Gravity B Brg Width = 16.0 Min Req = 1.5 R Brg Width = 5.5 Min Req = 1.7 I Brg Width = 5.5 Min Req = 1.5 Wind reactions based on MWFRS Members not listed have forces less than 375# Bearings B, R, & I are a rigid surface. Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31; B1 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2.5X6(A1) except as noted.

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.



COA #0278

12/21/2020

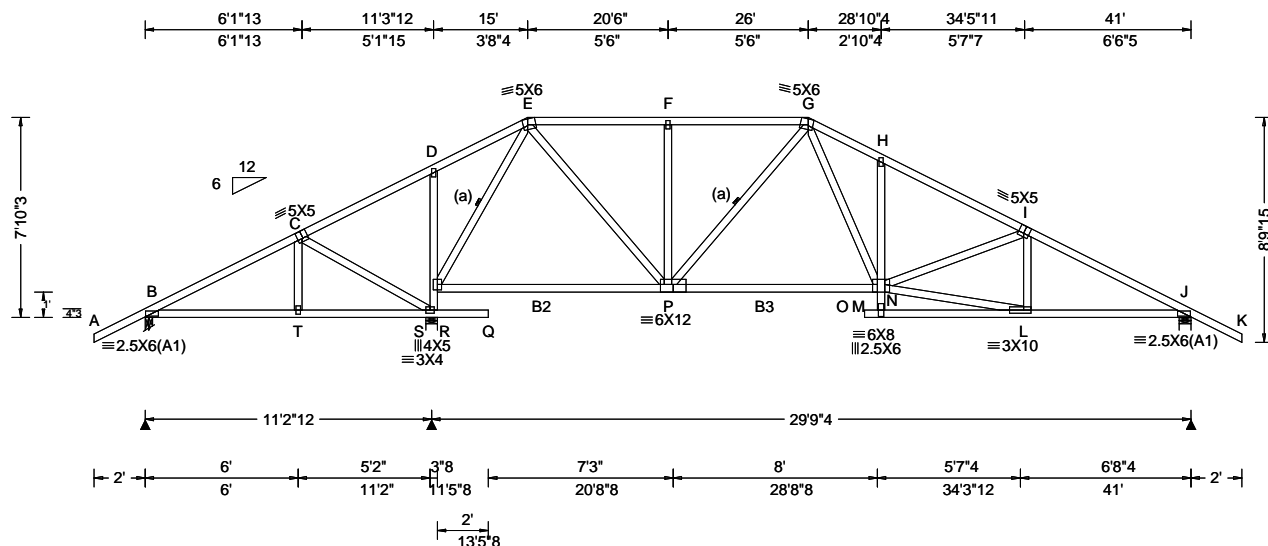
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ALPINE
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6750 Forum Drive
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SEQN: 3983 FROM: SDY	HIPS Ply: 1 Qty: 1	Job Number: 20-4950 Jenkins Res Truss Label: A07	Cust: R 215 JRef: 1X1b2150007 T16 DrwNo: 356.20.0842.28730 / WHK 12/21/2020
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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: 20.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.10 ft Loc. from endwall: not in 13.00 ft GCp: 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 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.091 H 999 240 VERT(CL): 0.170 H 999 180 HORZ(LL): -0.015 S - - HORZ(TL): 0.029 L - - Creep Factor: 2.0 Max TC CSI: 0.370 Max BC CSI: 0.847 Max Web CSI: 0.665 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 511 -/- /- /267 /90 /256 S 1658 -/- /- /947 /45 -/- J 1235 -/- /- /793 /119 -/- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 S Brg Width = 5.5 Min Req = 1.6 J Brg Width = 5.5 Min Req = 1.5 Bearings B, S, & J are a rigid surface. 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 #2;
Bot chord: 2x4 SP #2; B2,B3 2x4 SP M-31;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

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.
R - P	483 -113	L - J	1696 -520
P - M	1226 -348		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - S	155 -469	E - P	1036 -307
S - R	455 -1293	G - M	913 -300
R - E	337 -1169	M - L	1716 -508



COA #0278

12/21/2020

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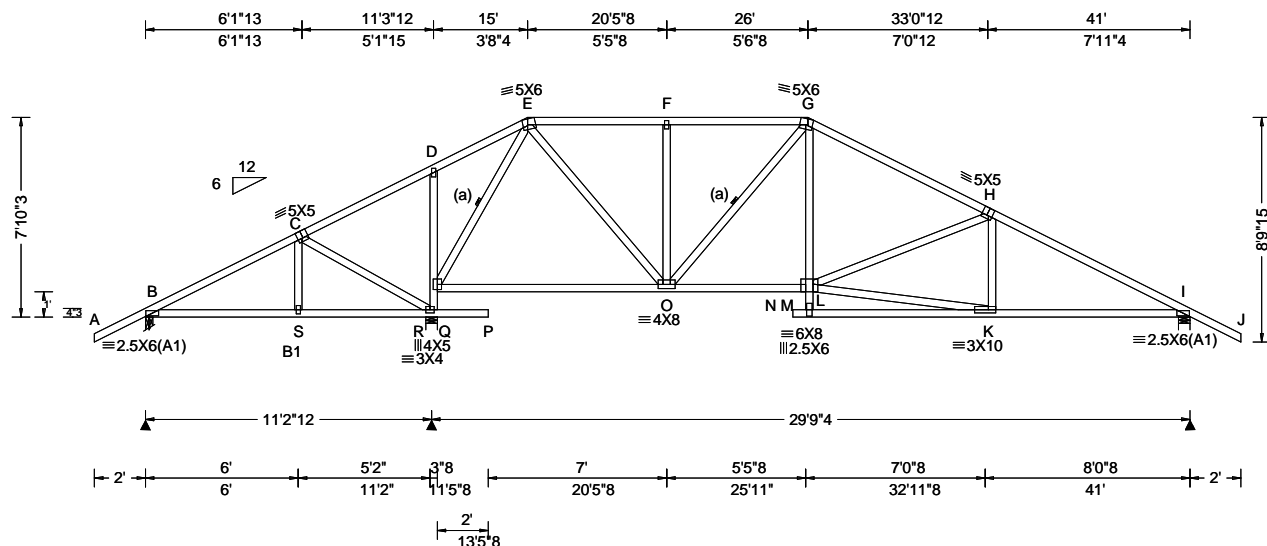
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 3938 FROM: SDY	HIPS Ply: 1 Qty: 1	Job Number: 20-4950 Jenkins Res Truss Label: A08	Cust: R 215 JRRef: 1X1b2150007 T22 DrwNo: 356.20.0842.27140 / WHK 12/21/2020
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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: 20.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.10 ft Loc. from endwall: not in 13.00 ft GCp: 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 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.085 L 999 240 VERT(CL): 0.150 L 999 180 HORZ(LL): 0.016 E - - HORZ(TL): 0.030 E - - Creep Factor: 2.0 Max TC CSI: 0.531 Max BC CSI: 0.503 Max Web CSI: 0.670 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL B 497 -/- /- /268 /91 /255 R 1806 -/- /- /946 /44 -/ I 1290 -/- /- /794 /118 -/ Non-Gravity Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 R Brg Width = 5.5 Min Req = 1.8 I Brg Width = 5.5 Min Req = 1.5 Bearings B, R, & I are a rigid surface. 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 #2;
Bot chord: 2x4 SP M-31; B1 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

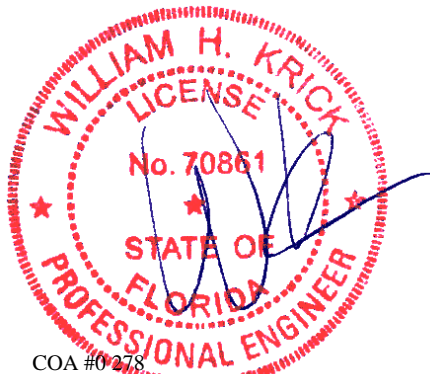
Loading

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.



COA #0278

12/21/2020

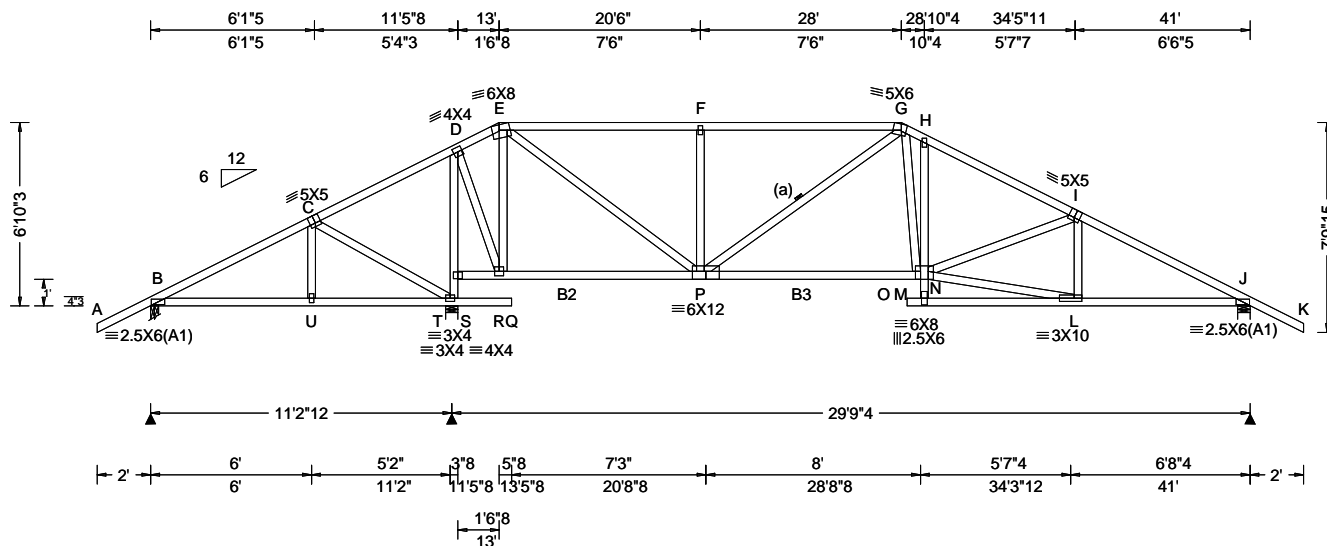
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 3986 FROM: SDY	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 20-4950 Jenkins Res Truss Label: A09	Cust: R 215 JRef: 1X1b2150007 T26 DrwNo: 356.20.0842.24963 / WHK 12/21/2020
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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: 20.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.10 ft Loc. from endwall: not in 13.00 ft GCp: 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 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.096 H 999 240 VERT(CL): 0.178 H 999 180 HORZ(LL): 0.016 L - - HORZ(TL): 0.031 L - - Creep Factor: 2.0 Max TC CSI: 0.592 Max BC CSI: 0.846 Max Web CSI: 0.772 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 505 -/- /- /277 /77 /228 T 1663 -/- /- /924 /111 /- J 1230 -/- /- /778 /134 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 T Brg Width = 5.5 Min Req = 1.6 J Brg Width = 5.5 Min Req = 1.5 Bearings B, T, & J are a rigid surface. 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 #2;
Bot chord: 2x4 SP #2; B2, B3 2x4 SP M-31;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

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 - M	1454 -422	L - J	1693 -524

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - T	173 -471	E - P	1290 -480
T - S	484 -1318	F - P	375 -453
S - D	457 -1328	G - M	810 -252
D - R	1065 -336	M - L	1721 -511
E - R	371 -936		



COA #0278

12/21/2020

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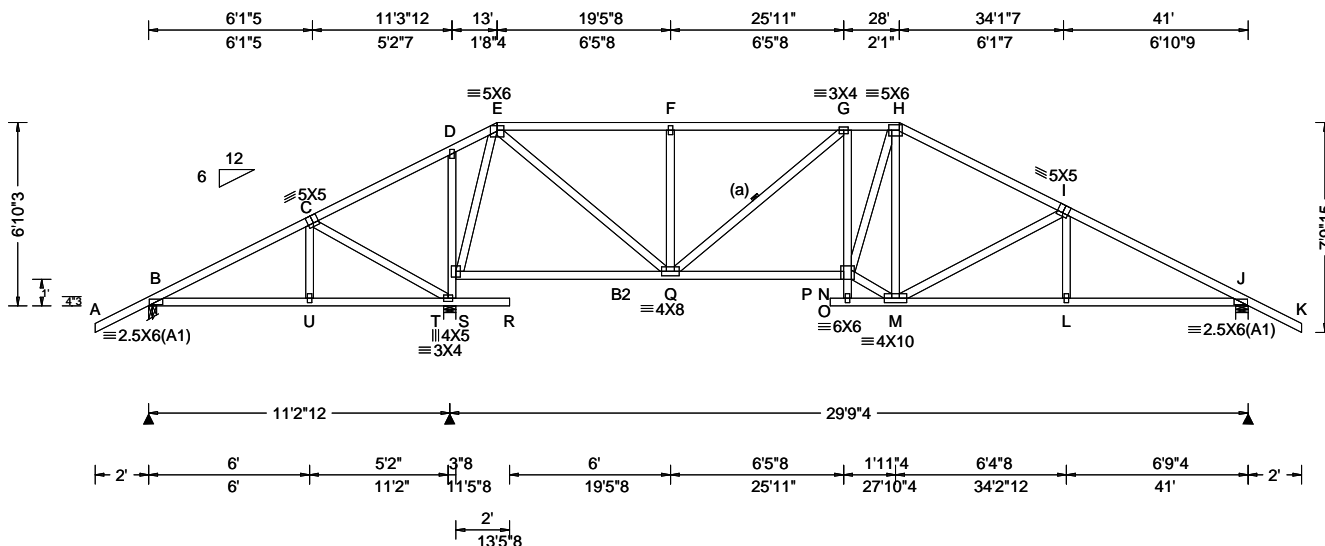
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ALPINE
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 3931 FROM: SDY	HIPS Ply: 1 Qty: 1	Job Number: 20-4950 Jenkins Res Truss Label: A10	Cust: R 215 JRef: 1X1b2150007 T24 DrwNo: 356.20.0842.22520 / WHK 12/21/2020
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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: 20.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 4.10 ft Loc. from endwall: not in 13.00 ft GCp: 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 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.094 P 999 240 VERT(CL): 0.171 P 999 180 HORZ(LL): -0.019 Q - - HORZ(TL): 0.035 Q - - Creep Factor: 2.0 Max TC CSI: 0.443 Max BC CSI: 0.882 Max Web CSI: 0.756 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL B 495 -/- /- /278 /175 /228 T 1735 -/- /- /922 /270 -/ J 1236 -/- /- /780 /299 -/ Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 T Brg Width = 5.5 Min Req = 1.7 J Brg Width = 5.5 Min Req = 1.5 Bearings B, T, & J are a rigid surface. 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 #2;
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

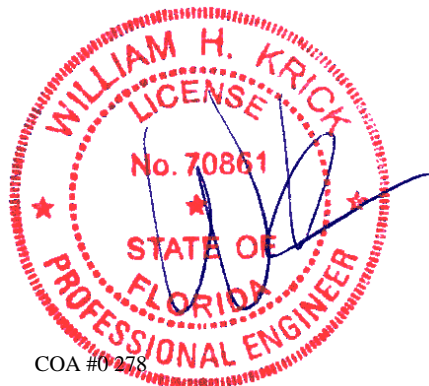
Loading

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.

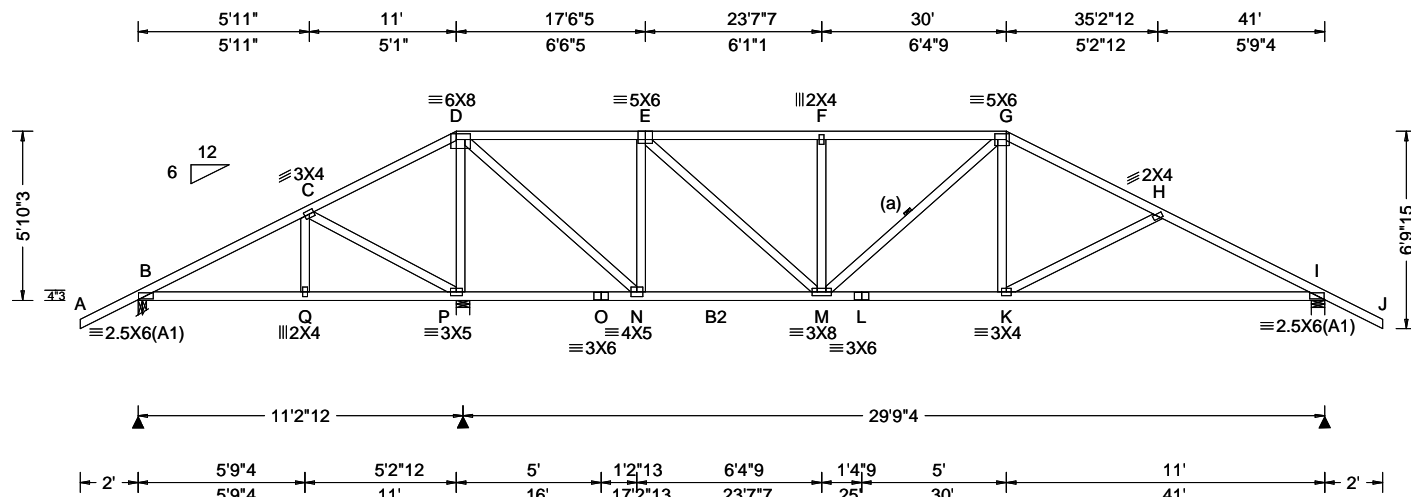


COA #0278
12/21/2020

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

SEQN: 3969 FROM: SDY	HIPS Ply: 1 Qty: 1	Job Number: 20-4950 Jenkins Res Truss Label: A11	Cust: R 215 JRRef: 1X1b2150007 T3 DrwNo: 356.20.0842.13823 / WHK 12/21/2020
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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: 20.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.10 ft Loc. from endwall: not in 13.00 ft GCp: 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 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.072 F 999 240 VERT(CL): 0.135 F 999 180 HORZ(LL): 0.014 K - - HORZ(TL): 0.026 K - - Creep Factor: 2.0 Max TC CSI: 0.580 Max BC CSI: 0.646 Max Web CSI: 0.989 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 363 /-72 /- /200 /52 /201 P 1998 /- /- /1008 /194 /- I 1151 /- /- /709 /110 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 P Brg Width = 5.5 Min Req = 1.5 I Brg Width = 5.5 Min Req = 1.5 Bearings B, P, & I are a rigid surface. 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 #2;
Bot chord: 2x4 SP M-31; B2 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

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 - C	465 -182	F - G	593 -1154
C - D	797 -237	G - H	567 -1440
D - E	348 -551	H - I	649 -1743
E - F	592 -1153		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - P	226 -495	N - E	511 -912
D - P	724 -1631	E - M	770 -336
D - N	1563 -662	G - K	664 -4



COA #0278

12/21/2020

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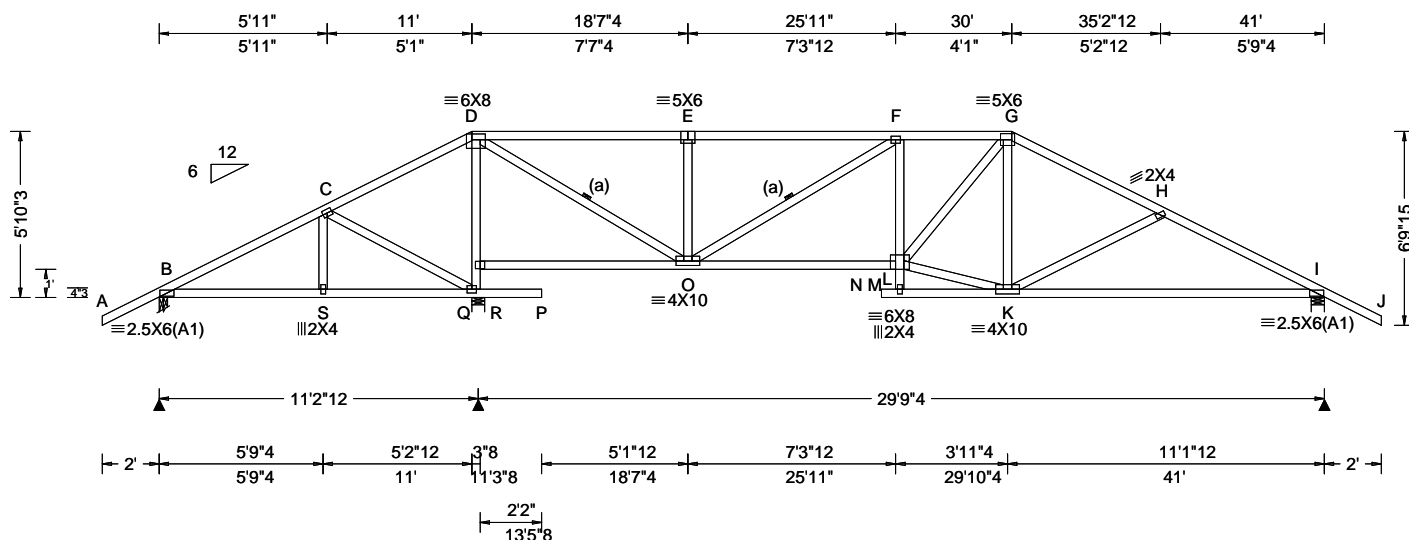
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 3927 FROM: SDY	HIPS Ply: 1 Qty: 1	Job Number: 20-4950 Jenkins Res Truss Label: A12	Cust: R 215 JRRef: 1X1b2150007 T4 DrwNo: 356.20.0842.10477 / WHK 12/21/2020
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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: 20.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 4.10 ft Loc. from endwall: not in 6.50 ft GCp: 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 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.108 N 999 240 VERT(CL): 0.201 N 999 180 HORZ(LL): -0.024 O - - HORZ(TL): 0.044 O - - Creep Factor: 2.0 Max TC CSI: 0.703 Max BC CSI: 0.650 Max Web CSI: 0.981 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL B 505 -/- /- /288 /168 /201 R 1667 -/- /- /888 /280 -/ I 1236 -/- /- /764 /299 -/ Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 R Brg Width = 5.5 Min Req = 1.5 I Brg Width = 5.5 Min Req = 1.5 Bearings B, R, & I are a rigid surface. 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 #2;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

Wind

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

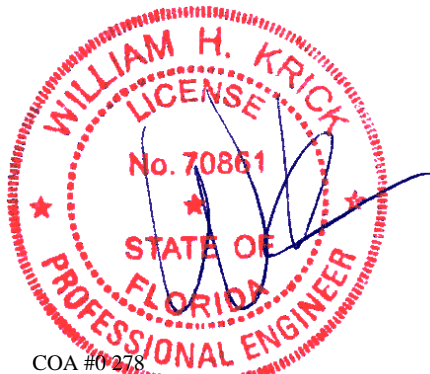
Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
O - L	1835 -650	K - I	1672 -595

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - R	219 -484	E - O	405 -481
R - Q	497 -1299	O - F	212 -578
D - Q	503 -1272	L - K	1498 -385
D - O	1772 -701	L - G	689 -386



COA #0278

12/21/2020

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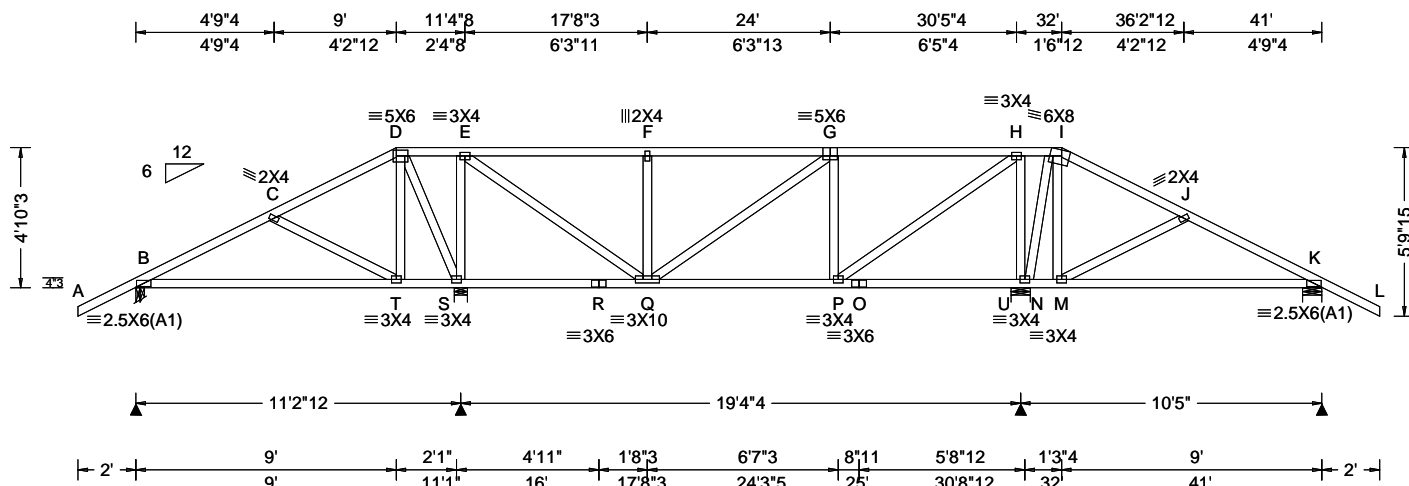
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ALPINE
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 3964 FROM: SDY	HIPS Ply: 1 Qty: 1	Job Number: 20-4950 Jenkins Res Truss Label: A13	Cust: R 215 JRef: 1X1b2150007 T10 DrwNo: 356.20.0842.08703 / WHK 12/21/2020
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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: 20.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.10 ft Loc. from endwall: not in 13.00 ft GCp: 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 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.022 F 999 240 VERT(CL): 0.042 F 999 180 HORZ(LL): -0.011 M - - HORZ(TL): 0.022 M - - Creep Factor: 2.0 Max TC CSI: 0.465 Max BC CSI: 0.943 Max Web CSI: 0.406 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL B 452 -/- /- /280 /17 /174 S 1343 -/- /- /709 /159 -/ U 1289 -/- /- /652 /151 -/ K 426 -/- /- /299 /50 -/ Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 S Brg Width = 5.5 Min Req = 1.5 U Brg Width = 8.0 Min Req = 1.5 K Brg Width = 8.0 Min Req = 1.5 Bearings B, S, U, & K are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
E - F	234 -510	G - H	248 -506
F - G	234 -510		

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.
Q - P	512 -24

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
D - T	515 -30	P - H	839 -326
D - S	156 -576	H - N	494 -824
S - E	482 -824	N - I	96 -586
E - Q	894 -349	I - M	554 -19



COA #0278

12/21/2020

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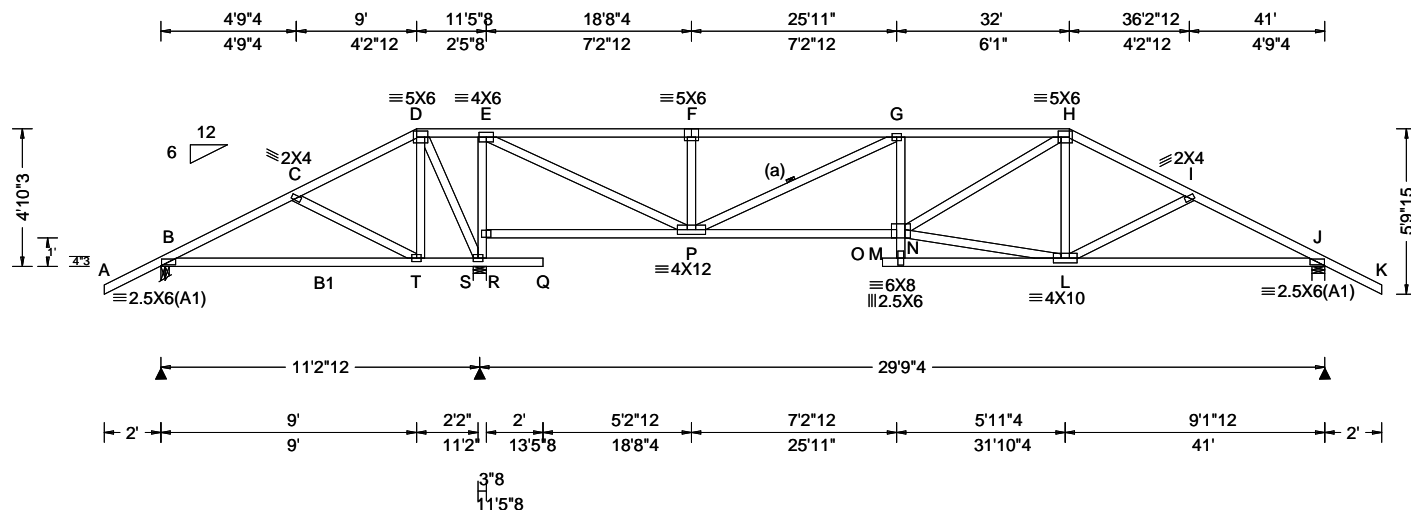
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 3921 FROM: SDY	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 20-4950 Jenkins Res Truss Label: A14	Cust: R 215 JRef: 1X1b2150007 T5 DrwNo: 356.20.0842.07083 / WHK 12/21/2020
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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: 20.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 4.10 ft Loc. from endwall: not in 6.50 ft GCp: 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 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.139 O 999 240 VERT(CL): 0.260 O 999 180 HORZ(LL): -0.029 H - - HORZ(TL): 0.055 H - - Creep Factor: 2.0 Max TC CSI: 0.609 Max BC CSI: 0.885 Max Web CSI: 0.924 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL B 488 -/- /- /285 /136 /174 S 1722 -/- /- /877 /329 -/- J 1208 -/- /- /729 /287 -/- Non-Gravity B Brg Width = 3.5 Min Req = 1.5 S Brg Width = 5.5 Min Req = 1.7 J Brg Width = 5.5 Min Req = 1.5 Wind reactions based on MWFRS Members not listed have forces less than 375# Bearings B, S, & J are a rigid surface. Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31; B1 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

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 - M	2267 -853	L - J	1655 -568

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
D - T	527 -36	F - P	311 -410
D - S	74 -596	P - G	366 -812
S - R	637 -1285	M - L	1494 -421
R - E	637 -1238	M - H	915 -462
E - P	2027 -731		



COA #0278

12/21/2020

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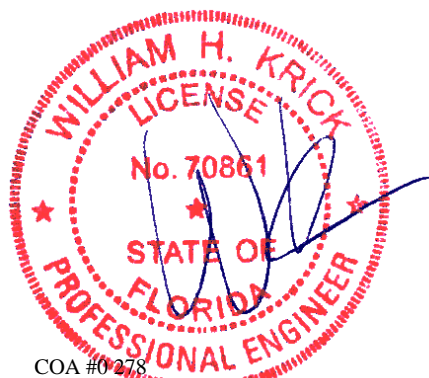
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

Lumber	Maximum Top Chord Forces Per Ply (lbs)			
Top chord: 2x4 SP #2;	Chords	Tens.Comp.	Chords	Tens. Comp.
Bot chord: 2x4 SP #2;	B - C	581 - 146	F - G	479 - 2102
Webs: 2x4 SP #3; W10 2x4 SP #2;	C - D	1009 - 235	G - H	249 - 1134

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

TC:	From	56 plf at	-2.00 to	56 plf at	20.91
TC:	From	28 plf at	20.91 to	28 plf at	34.00
TC:	From	56 plf at	34.00 to	56 plf at	43.00
BC:	From	4 plf at	-2.00 to	4 plf at	0.00
BC:	From	20 plf at	0.00 to	20 plf at	21.06
BC:	From	10 plf at	21.06 to	10 plf at	33.97
BC:	From	20 plf at	33.97 to	20 plf at	41.00
BC:	From	4 plf at	41.00 to	4 plf at	43.00
TC:	164 lb Conc. Load at	21.94,23.94,25.94,27.94			
29.94,31.94					
TC:	399 lb Conc. Load at	33.97			
BC:	955 lb Conc. Load at	21.06			
BC:	186 lb Conc. Load at	21.94,23.94,25.94,27.94			
29.94,31.94					
BC:	499 lb Conc. Load at	33.97			

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



COA #0278

12/21/2020

Loc	Gravity			Non-Gravity		
	R+	/R-	/Rh	/Rw	/U	/RL
B	340	/-95	/-	/-	/70	/-
R	2223	/-	/-	/-	/497	/-
T	4018	/-	/-	/-	/892	/-
J	394	/-	/-	/-	/98	/-

B	Brg Width = 3.5	Min Req = 1.5
R	Brg Width = 5.5	Min Req = 2.2
T	Brg Width = 8.0	Min Req = 4.7
J	Brg Width = 8.0	Min Req = 1.5

Bearings B, R, T, & J are a rigid surface.

Members not listed have forces less than 375#

Chords	Tens.Comp.	Chords	Tens. Comp.
B - C	581 - 146	F - G	479 - 2102
C - D	1009 - 235	G - H	249 - 1134
D - E	158 - 735	H - I	1339 - 301
E - F	479 - 2102		

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - S	101	-498	P - O	1232	-286
S - R	114	-493	O - N	1232	-286
R - Q	201	-888	N - M	245	-1153
Q - P	835	-185			

Webs	Tens.Comp.	Webs	Tens.	Comp.
C - S	383 0	P - G	1095	- 242
C - R	175 -883	G - N	459	- 1213
R - D	425 - 1567	N - H	2887	- 627
D - Q	2061 - 455	H - M	673	- 2299
Q - E	340 - 1223	M - I	368	- 1820
E - P	1595 - 368	L - J	669	0

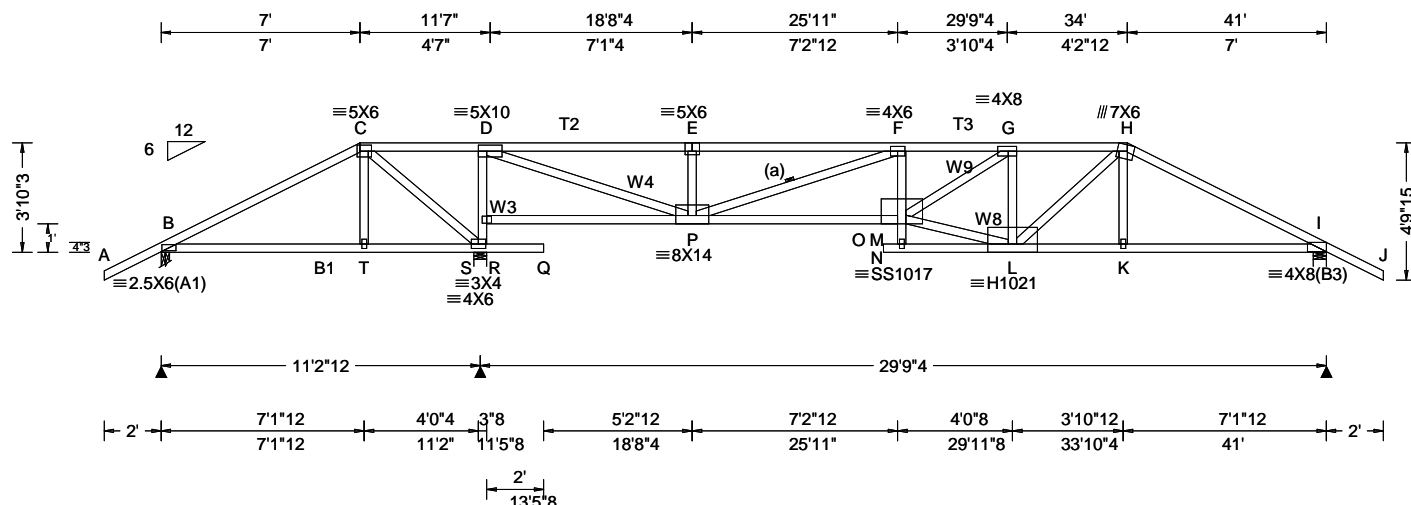
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SEQN: 3917 FROM: SDY	HIPS Ply: 1 Qty: 1	Job Number: 20-4950 Jenkins Res Truss Label: A16	Cust: R 215 JRRef: 1X1b2150007 T2 DrwNo: 356.20.0842.03317 / WHK 12/21/2020
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Loading Criteria (psf)	Wind Criteria	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: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 4.10 ft Loc. from endwall: NA GCp: 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 2017 RES TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE, 18SS, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.405 O 878 240 VERT(CL): 0.771 O 462 180 HORZ(LL): -0.060 H - - HORZ(TL): 0.113 H - - Creep Factor: 2.0 Max TC CSI: 0.735 Max BC CSI: 0.854 Max Web CSI: 0.995 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 435 -/- /- /122 -/ S 3795 -/- /- /750 -/ I 2175 -/- /- /466 -/ Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 S Brg Width = 5.5 Min Req = 4.1 I Brg Width = 5.5 Min Req = 1.8 Bearings B, S, & I are a rigid surface. 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 #2; T2,T3 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B1 2x4 SP #2;
Webs: 2x4 SP #3; W3,W4 2x4 SP M-31; W8,
W9 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Loading

#1 hip supports 7-0-0 jacks with no webs.

Left side jacks have 7-0-0 setback with 0-0-0 cant and 2-0-0 overhang. End jacks have 7-0-0 setback with 0-0-0 cant and 2-0-0 overhang. Right side jacks have 7-0-0 setback with 0-0-0 cant and 2-0-0 overhang.

Wind

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.



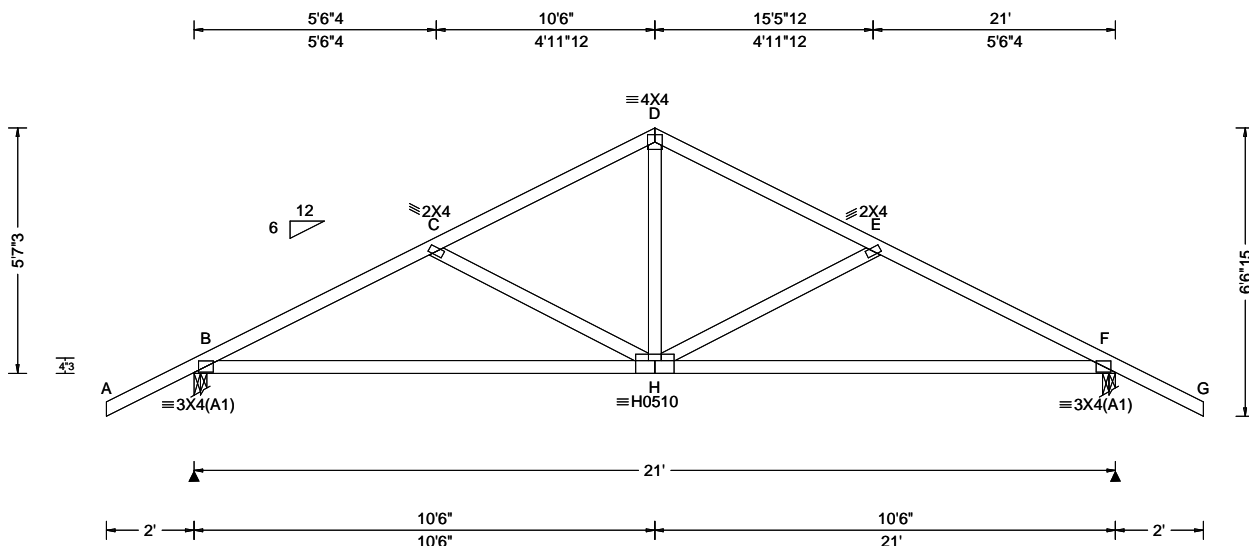
COA #0278

12/21/2020

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

SEQN: 3906 FROM: SDY	COMM Ply: 1 Qty: 5	Job Number: 20-4950 Jenkins Res Truss Label: B01	Cust: R 215 JRRef: 1X1b2150007 T19 DrwNo: 356.20.0842.01417 / WHK 12/21/2020
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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: 20.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 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 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/def L/# VERT(LL): 0.039 H 999 240 VERT(CL): 0.071 H 999 180 HORZ(LL): 0.014 H - - HORZ(TL): 0.025 H - - Creep Factor: 2.0 Max TC CSI: 0.334 Max BC CSI: 0.630 Max Web CSI: 0.315 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL B 915 - / - /530 /204 /186 F 915 - / - /530 /204 - Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 F Brg Width = 3.5 Min Req = 1.5 Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 646 - 1257 D - E 509 - 1004 C - D 509 - 1004 E - F 647 - 1257

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3;

Wind

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

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - H	1073 - 459	H - F	1073 - 439

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.
D - H	828 - 166



COA #0278

12/21/2020

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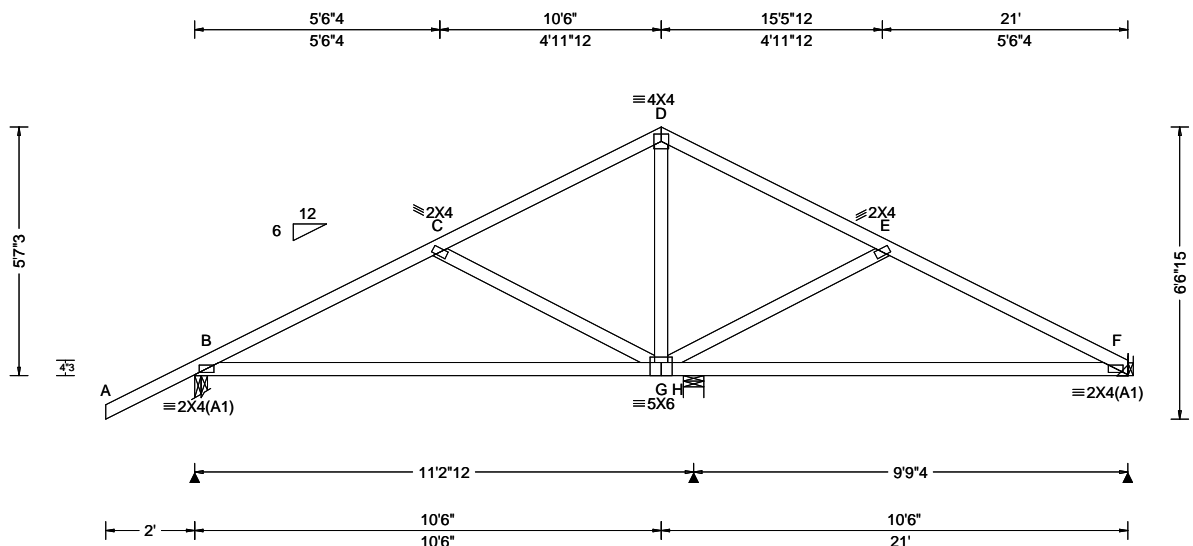
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 3910 FROM: SDY	COMN Ply: 1 Qty: 3	Job Number: 20-4950 Jenkins Res Truss Label: B02	Cust: R 215 JRef: 1X1b2150007 T1 DrwNo: 356.20.0841.59433 / WHK 12/21/2020
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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: 20.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 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 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.026 G 999 240 VERT(CL): 0.050 G 999 180 HORZ(LL): 0.014 G - - HORZ(TL): 0.028 G - - Creep Factor: 2.0 Max TC CSI: 0.434 Max BC CSI: 0.548 Max Web CSI: 0.231 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 735 -/- /- /432 /174 /167 H 436 -/- /- /209 /72 -/ F 572 -/- /- /324 /124 -/ Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 H Brg Width = 5.5 Min Req = 1.5 F Brg Width = - Min Req = - Bearings B & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 344 -857 D - E 232 -542 C - D 222 -544 E - F 352 -859 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - G 720 -246 G - F 1447 -486 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. D - G 423 -4

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3;

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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12/21/2020

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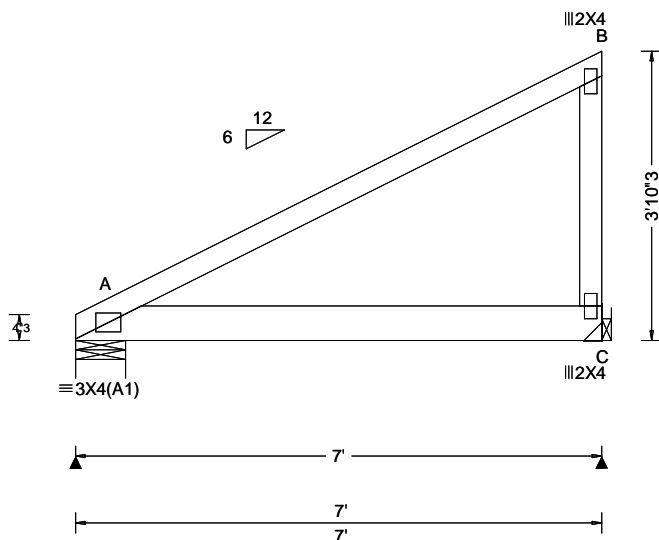
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 3913 FROM: SDY	MONO Ply: 1 Qty: 1	Job Number: 20-4950 Jenkins Res Truss Label: B03	Cust: R 215 JRef: 1X1b2150007 T20 DrwNo: 356.20.0841.58047 / WHK 12/21/2020
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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: 20.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.035 C - - HORZ(TL): 0.063 C - - Creep Factor: 2.0 Max TC CSI: 0.863 Max BC CSI: 0.933 Max Web CSI: 0.300 VIEW Ver: 20.01.01A.0724.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 1221 -/- /- /- /291 -/ C 955 -/- /- /- /233 -/ Wind reactions based on MWFRS A Brg Width = 8.0 Min Req = 1.5 C Brg Width = - Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3;

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 56 plf at 0.00 to 56 plf at 7.00
BC: From 10 plf at 0.00 to 10 plf at 7.00
BC: 572 lb Conc. Load at 1.06, 3.06, 5.06

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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



COA #0278

12/21/2020

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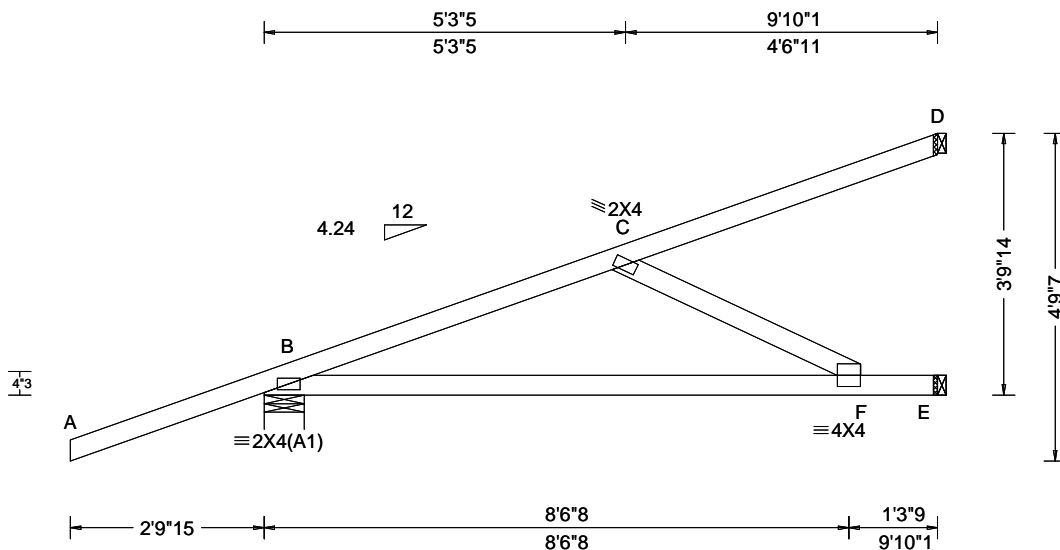
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 3902 FROM: SDY	HIP_	Ply: 1 Qty: 3	Job Number: 20-4950 Jenkins Res Truss Label: HJ7	Cust: R 215 JRef: 1X1b2150007 T21 DrwNo: 356.20.0841.49337 / WHK 12/21/2020
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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: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA 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 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.130 F 892 240 VERT(CL): 0.237 F 490 180 HORZ(LL): 0.029 C - - HORZ(TL): 0.053 C - - Creep Factor: 2.0 Max TC CSI: 0.820 Max BC CSI: 0.923 Max Web CSI: 0.388 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 489 -/- /- /132 -/ E 313 -/- /- /6 -/ D 235 -/- /- /105 -/ Wind reactions based on MWFRS B Brg Width = 7.0 Min Req = 1.5 E Brg Width = 1.5 Min Req = - D Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 181 -465 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. B - F 422 -156 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. C - F 182 -469

Lumber

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

Loading

Hipjack supports 6-11-8 setback jacks with no webs.

Wind

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

Additional Notes

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

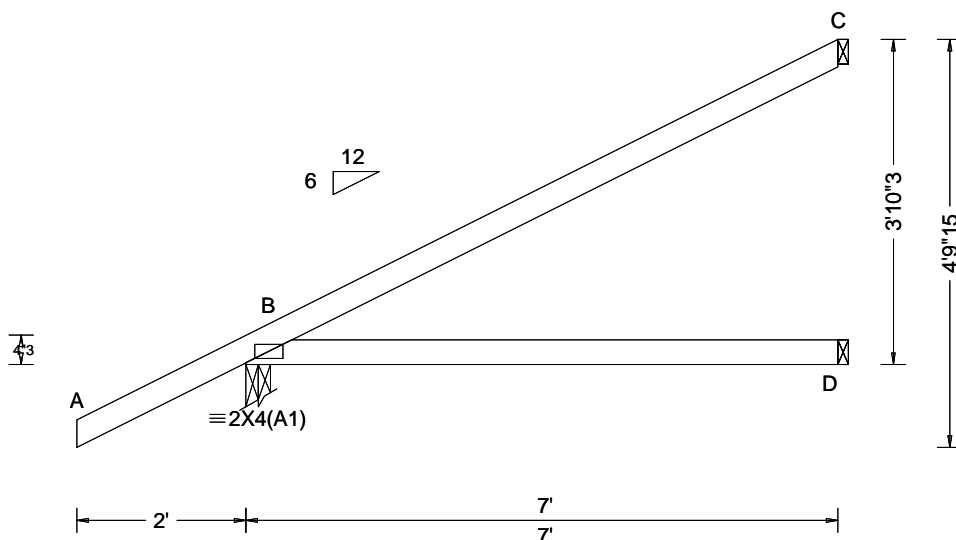


COA #0278
12/21/2020

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

SEQN: 3896 FROM: SDY	EJAC Ply: 1 Qty: 16	Job Number: 20-4950 Jenkins Res Truss Label: EJ7	Cust: R 215 JRef: 1X1b2150007 T15 DrwNo: 356.20.0841.52333 / WHK 12/21/2020
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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: 20.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 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 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.013 D - - HORZ(TL): 0.027 D - - Creep Factor: 2.0 Max TC CSI: 0.609 Max BC CSI: 0.710 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 411 /- /- /274 /69 /151 D 186 /- /- /67 /- /- C 164 /- /- /95 /97 /- 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 is a rigid surface. Members not listed have forces less than 375#

Lumber

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

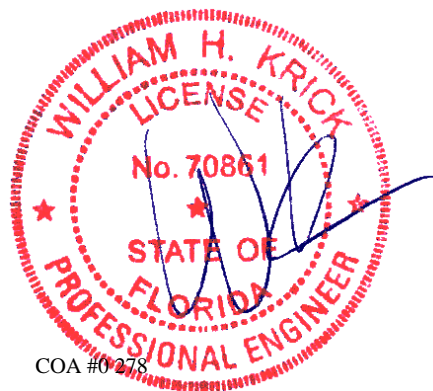
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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



COA #0278

12/21/2020

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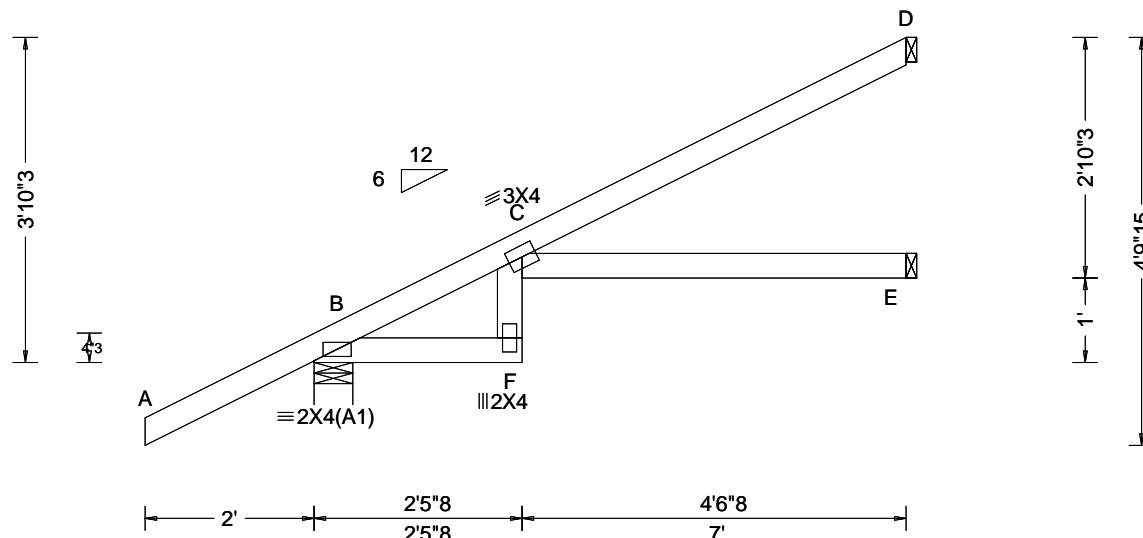
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 3899 FROM: SDY	EJAC Ply: 1 Qty: 6	Job Number: 20-4950 Jenkins Res Truss Label: EJ7A	Cust: R 215 JRef: 1X1b2150007 T6 DrwNo: 356.20.0841.50740 / WHK 12/21/2020
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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: 20.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 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 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.174 F 471 240 VERT(CL): 0.321 F 256 180 HORZ(LL): 0.102 E - - HORZ(TL): 0.189 E - - Creep Factor: 2.0 Max TC CSI: 0.800 Max BC CSI: 0.421 Max Web CSI: 0.057 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 411 /- /- /274 /30 /109 E 147 /- /- /53 /- /- D 180 /- /- /108 /60 /- Wind reactions based on MWFRS B Brg Width = 5.5 Min Req = 1.5 E Brg Width = 1.5 Min Req = - D Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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



COA #0278
12/21/2020

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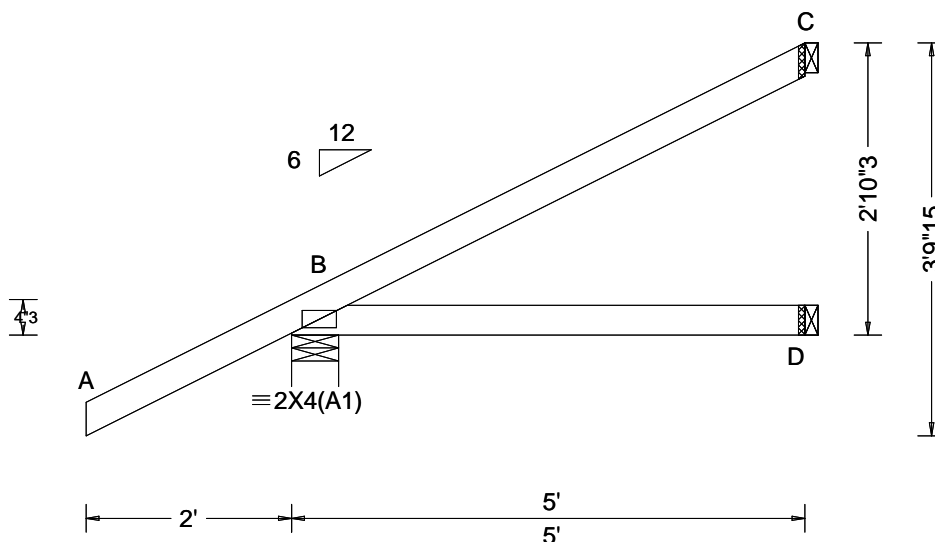
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 3893 FROM: SDY	JACK Ply: 1 Qty: 6	Job Number: 20-4950 Jenkins Res Truss Label: CJ5	Cust: R 215 JRef: 1X1b2150007 T12 DrwNo: 356.20.0841.53647 / WHK 12/21/2020
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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: 20.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 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 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.004 D - - HORZ(TL): 0.009 D - - Creep Factor: 2.0 Max TC CSI: 0.379 Max BC CSI: 0.344 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 343 - / - / - / 236 / 66 / 116 D 129 - / - / - / 46 / - / - C 108 - / - / - / 60 / 66 / - Wind reactions based on MWFRS B Brg Width = 5.5 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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



COA #0278

12/21/2020

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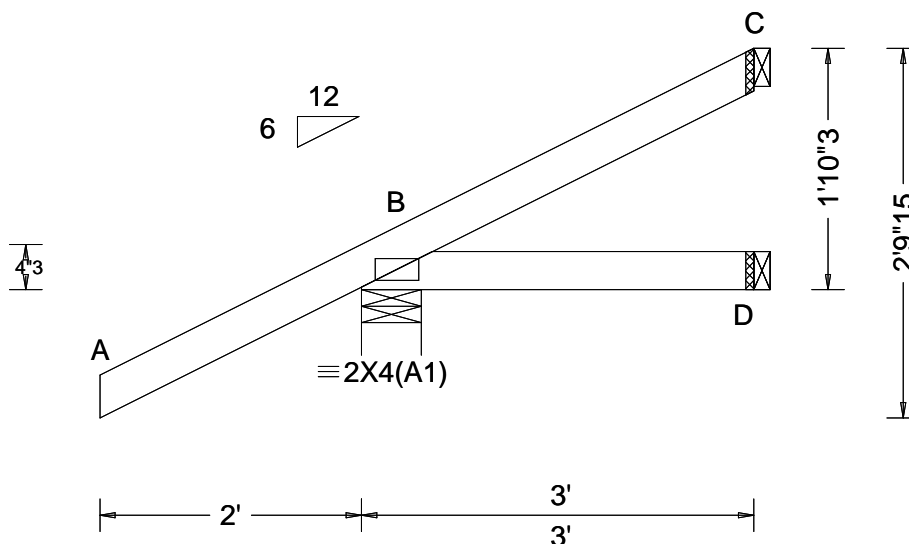
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 3890 FROM: SDY	JACK Ply: 1 Qty: 6	Job Number: 20-4950 Jenkins Res Truss Label: CJ3	Cust: R 215 JRef: 1X1b2150007 T13 DrwNo: 356.20.0841.54950 / WHK 12/21/2020
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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: 20.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 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 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 D - - HORZ(TL): 0.002 D - - Creep Factor: 2.0 Max TC CSI: 0.542 Max BC CSI: 0.104 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 288 /- /- /208 /66 /81 D 71 /- /- /25 /1 /- C 44 /- /- /24 /31 /- Wind reactions based on MWFRS B Brg Width = 5.5 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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



COA #0278

12/21/2020

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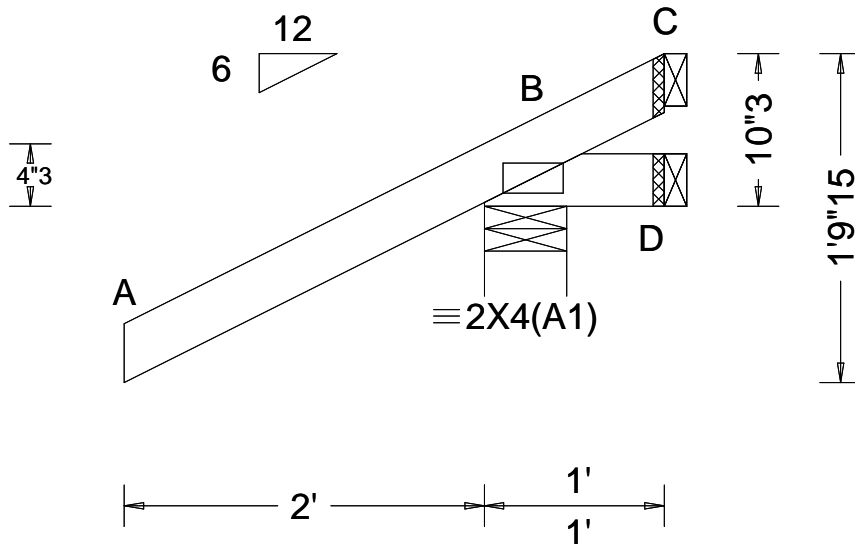
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 3887 FROM: SDY	JACK Ply: 1 Qty: 6	Job Number: 20-4950 Jenkins Res Truss Label: CJ1	Cust: R 215 JRef: 1X1b2150007 T14 DrwNo: 356.20.0841.56723 / WHK 12/21/2020
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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: 20.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 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 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.001 D - - HORZ(TL): 0.001 D - - Creep Factor: 2.0 Max TC CSI: 0.542 Max BC CSI: 0.072 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 326 /- /- /260 /123 /45 D 7 /-34 /- /26 /30 /- C - /-96 /- /60 /88 /- Wind reactions based on MWFRS B Brg Width = 5.5 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

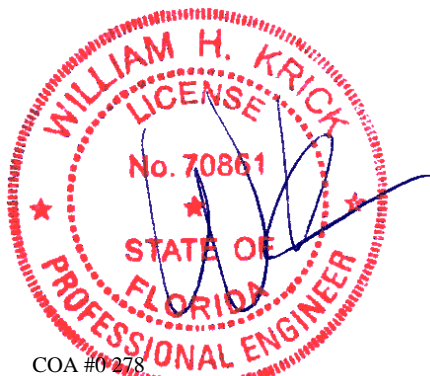
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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



COA #0278

12/21/2020

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

CLR Reinforcing Member Substitution

This detail is to be used when a Continuous Lateral Restraint (CLR) is specified on a truss design but an alternative web reinforcement method is desired.

Notes:

This detail is only applicable for changing the specified CLR shown on single ply sealed designs to T-reinforcement or L-reinforcement or scab reinforcement.

Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type.

Use scabs instead of L- or T- reinforcement on webs with intersecting truss joints, such as K-web joints, that may interfere with proper application along the narrow face of the web.

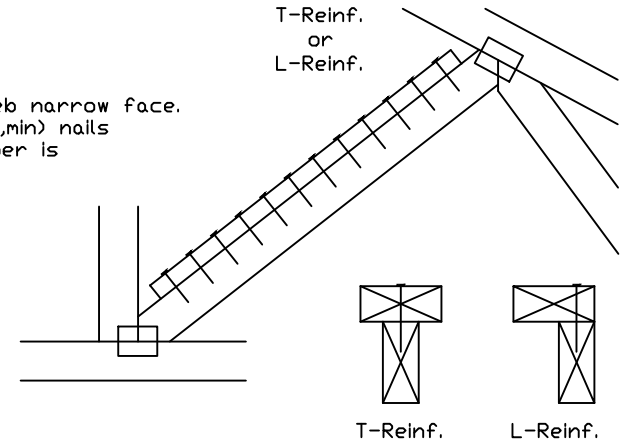
Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf.	Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(X)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(X)

T-reinforcement, L-reinforcement, or scab reinforcement to be same species and grade or better than web member unless specified otherwise on Engineer's sealed design.

(X) Center scab on wide face of web. Apply (1) scab to each face of web.

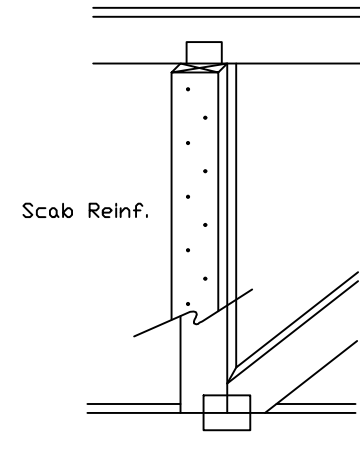
T-Reinforcement or L-Reinforcement:

Apply to either side of web narrow face. Attach with 10d (0.128"x3.0",min) nails at 6" o.c. Reinforcing member is a minimum 80% of web member length.



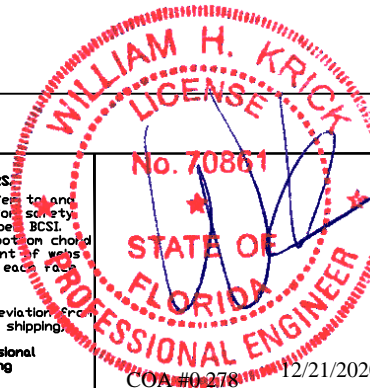
Scab Reinforcement:

Apply scab(s) to wide face of web. No more than (1) scab per face. Attach with 10d (0.128"x3.0",min) nails at 6" o.c. Reinforcing member is a minimum 80% of web member length.

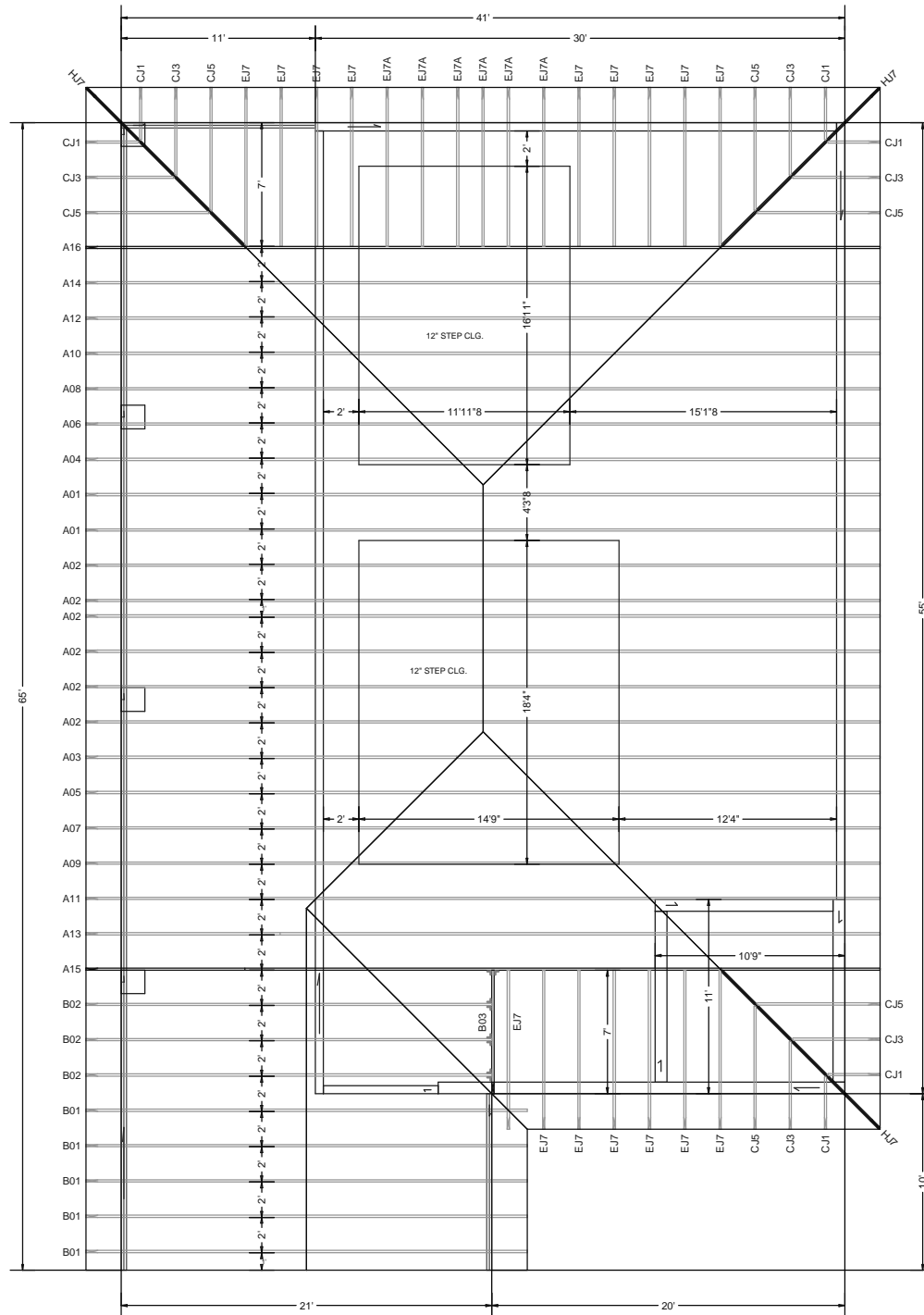


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Suite 242
Earth City, MO 63045

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



TC LL	PSF	REF CLR Subst.
TC DL	PSF	DATE 01/02/19
BC DL	PSF	DRWG BRCLBSUB0119
BC LL	PSF	
TOT. LD.	PSF	
DUR. FAC.		
SPACING		



W.B. Howland Co., LLC
 610 11th St.
 Live Oak, FL 32064
 (386)362-1235
 Fax: (386)362-7124
truss@wbhowland.com

ALL BEAMS BY OTHERS

4- HUS26 HGR'S.

10'-1 1/8" PLATE HEIGHT



JOB #: 20-4950

Job Name: Jenkins Res
 Customer: SPARKS CONST.
 Designer: Steve Yuknavage
 ADDRESS:
 SALESMAN: Fill in later
 : <Not Found>

JOB NO:
 20-4950

PAGE NO:
 1 OF 1