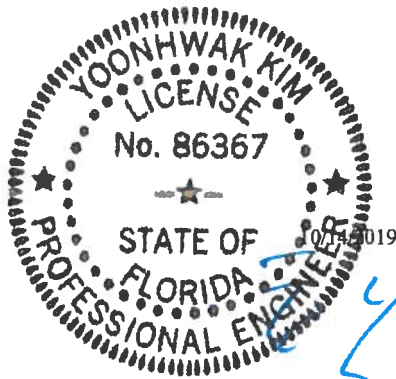




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6750 Forum Drive, Suite 305
Orlando, FL 32821
Phone: (800)755-6001
www.alpineitw.com

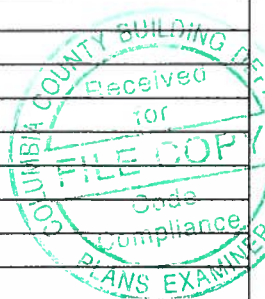
This document has been electronically signed and sealed using a Digital Signature. Printed copies without an original signature must be verified using the original electronic version.

Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 19-3559
Job Description: /HUGHES /ZECHER CONSTRUCTION	
Address: LAKE CITY, FL	

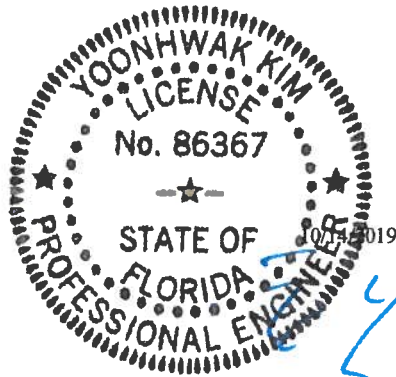
Job Engineering Criteria:	
Design Code: FBC 2017 RES	IntelliVIEW Version: 18.02.01B through 19.02.00
	JRef #: 1WPc2150002
Wind Standard: ASCE 7-10	Wind Speed (mph): 130
Building Type: Closed, Partial	Roof Load (psf): 20.00-10.00- 0.00-10.00
	Floor Load (psf): None

This package contains general notes pages, 52 truss drawing(s) and 5 detail(s).

Item	Seal #	Truss
1	287.19.1103.18420	A01
3	287.19.1104.10003	A03
5	287.19.1104.12547	A05
7	287.19.1104.15233	A07
9	287.19.1104.20417	A09
11	287.19.1104.36770	B02
13	287.19.1104.50013	B04
15	287.19.1105.02470	B06
17	287.19.1105.05660	C02
19	287.19.1105.17410	C04
21	287.19.1105.56457	C06
23	287.19.1105.58593	D02
25	287.19.1106.10133	D04
27	287.19.1106.26990	G02
29	287.19.1106.45583	G04
31	287.19.1107.10150	J01
33	287.19.1107.15860	J03
35	287.19.1107.22127	J05
37	287.19.1107.30613	J07
39	287.19.1107.36873	J09
41	287.19.1107.44407	J11
43	287.19.1107.51723	J13
45	287.19.1107.57250	J15
47	287.19.1108.17087	JH2
49	287.19.1108.39347	JH4
51	287.19.1109.17010	P02



Item	Seal #	Truss
2	287.19.1103.20503	A02
4	287.19.1104.11360	A04
6	287.19.1104.14087	A06
8	287.19.1104.16367	A08
10	287.19.1104.31767	B01
12	287.19.1104.45090	B03
14	287.19.1104.58370	B05
16	287.19.1105.04210	C01
18	287.19.1105.07020	C03
20	287.19.1105.21320	C05
22	287.19.1105.57657	D01
24	287.19.1106.00537	D03
26	287.19.1106.24360	G01
28	287.19.1106.28513	G03
30	287.19.1107.04083	H01
32	287.19.1107.12990	J02
34	287.19.1107.18607	J04
36	287.19.1107.27920	J06
38	287.19.1107.33677	J08
40	287.19.1107.40307	J10
42	287.19.1107.47277	J12
44	287.19.1107.54170	J14
46	287.19.1108.06730	JH1
48	287.19.1108.19423	JH3
50	287.19.1108.42363	P01
52	287.19.1109.20473	P03



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Site Information:	Page 2:
<i>Customer:</i> W. B. Howland Company, Inc.	<i>Job Number:</i> 19-3559
<i>Job Description:</i> /HUGHES /ZECHER CONSTRUCTION	
<i>Address:</i> LAKE CITY, FL	

Item	Seal #	Truss
53	BRCLBSUB0119	
55	A14015ENC101014	
57	PB160101014	

Item	Seal #	Truss
54	160TL	
56	GBLLETIN0118	

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 AF&PA. 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.

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.

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

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.

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 immediate vertical Deflection, 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(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. AF&PA: American Forest & Paper Association, 1111 19th Street, NW, Suite 800, Washington, DC 20036;

www.afandpa.org.

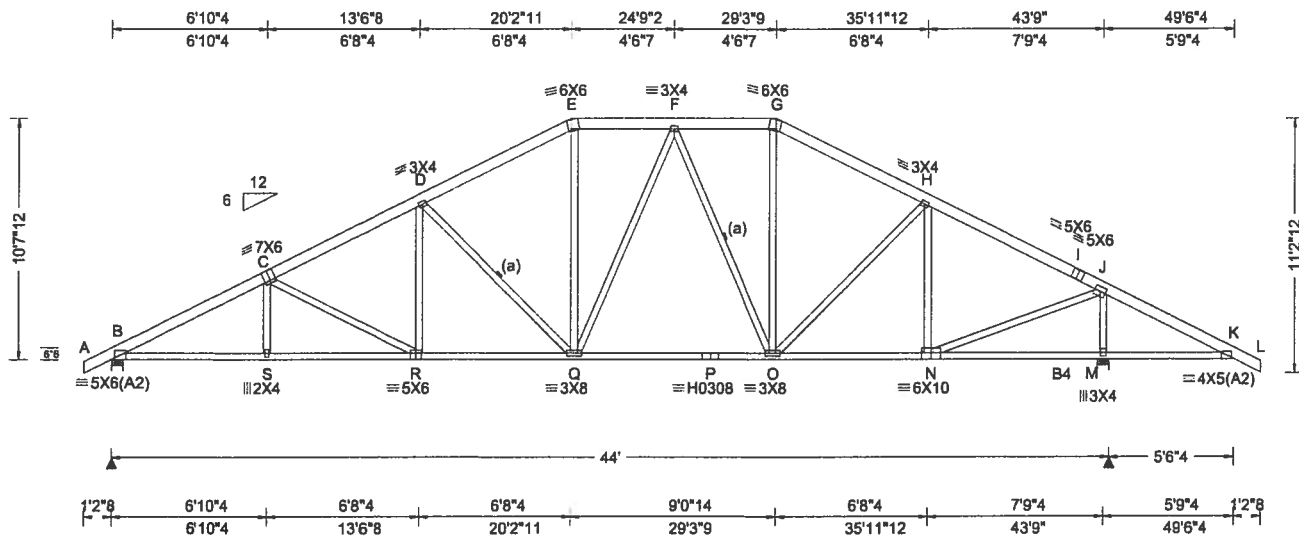
2. ICC: International Code Council; www.iccsafe.org.

3. Alpine, a division of ITW Building Components Group Inc.: 13723 Riverport Drive, Suite 200, Maryland Heights, MO 63043; www.alpineitw.com.

4. TPI: Truss Plate Institute, 218 North Lee Street, Suite 312, Alexandria, VA 22314; www.tpinst.org.

5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www.sbcindustry.co

SEQN: 290205 FROM: CDM	COMN Ply: 1 Qty: 3	Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: A01	Cust: R 215 JRef: 1WPC2150002 T27 DrwNo: 287.19.1103.18420 / YK 10/14/2019
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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: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.42 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.95 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 Code / Misc Criteria Bldg 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/defl L# VERT(LL): 0.149 R 999 240 VERT(CL): 0.270 R 999 180 HORZ(LL): 0.065 N - - HORZ(TL): 0.120 N - - Creep Factor: 2.0 Max TC CSI: 0.206 Max BC CSI: 0.537 Max Web CSI: 0.921 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 2170 /- /- /1168 /33 /372 M 2709 /- /- /1477 /35 /- Wind reactions based on MWFRS B Brg Width = 6.0 Min Req = 1.8 M Brg Width = 6.0 Min Req = 3.2 Bearings B & M 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 695 -3915 G - H 508 -2433 C - D 643 -3418 H - I 418 -2247 D - E 576 -2730 I - J 384 -2277 E - F 608 -2366 J - K 671 -377 F - G 579 -2098

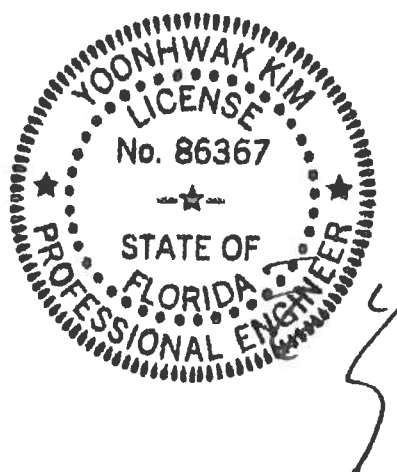
Lumber
Top chord 2x6 SP 2400f-2.0E
Bot chord 2x4 SP M-31
B4 2x4 SP #2:
Webs 2x4 SP #3

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.
Right cantilever is exposed to wind

Additional Notes
Refer to General Notes for additional information
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.
The overall height of this truss excluding overhang is 10-7-12.



COA #0-278
10/14/2019

Chords	Tens.Comp.	Chords	Tens. Comp.
B - S	3392 -506	P - O	2271 -198
S - R	3391 -506	O - N	1955 -196
R - Q	2974 -356	N - M	418 -487
Q - P	2271 -198	M - K	427 -512

Webs	Tens.Comp.	Webs	Tens. Comp.
C - R	170 -464	O - G	660 -97
R - D	490 -63	H - N	211 -734
D - Q	232 -886	N - J	2417 -499
E - Q	793 -145	J - M	659 -2550
F - O	146 -466		

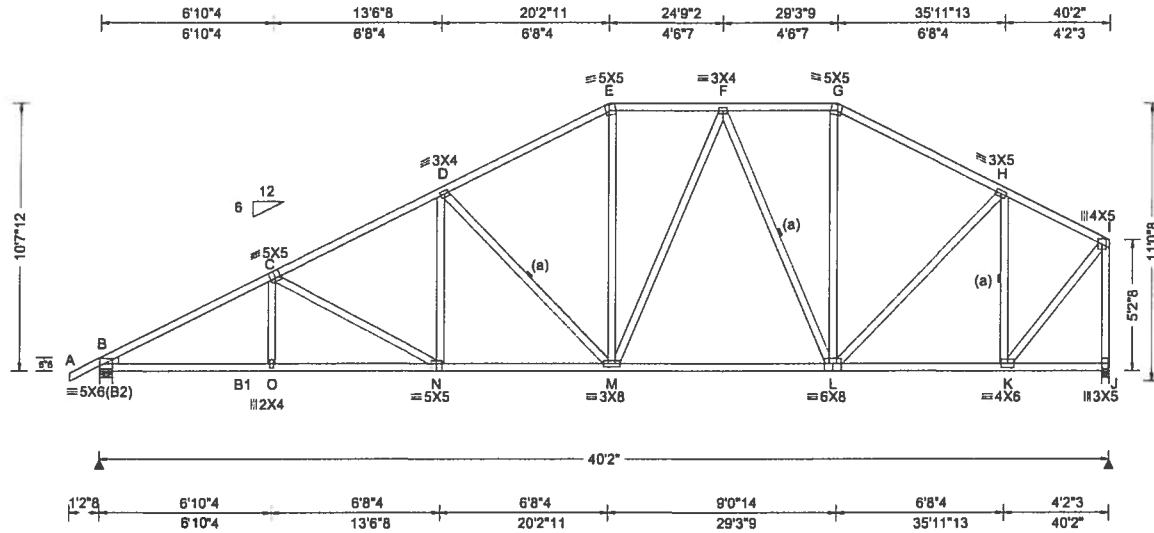
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCEA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation 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 this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCEA: www.sbcindustry.com; ICC: www.iccsafe.org

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 290208 FROM: CDM	SPEC Ply: 1 Qty: 2	Job Number: 19-3559 /HUGHES /ZECHEER CONSTRUCTION Truss Label: A02	Cust: R 215 JRef: 1WPC2150002 T43 DrwNo: 287.19.1103.20503 / YK 10/14/2019
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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: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.42 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.02 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 Code / Misc Criteria Bldg 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): 0.198 N 999 240 VERT(CL): 0.355 N 999 180 HORZ(LL): 0.069 K - - HORZ(TL): 0.124 K - - Creep Factor: 2.0 Max TC CSI: 0.948 Max BC CSI: 0.939 Max Web CSI: 0.996 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 1929 /- /- /1093 /42 /303 J 2000 /- /- /892 /26 /- Wind reactions based on MWFRS B Brg Width = 6.0 Min Req = 1.6 J Brg Width = 3.5 Min Req = 2.4 Bearings B & 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
:B1 2x4 SP M-31:
Webs 2x4 SP #3
:Lt Wedge 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.

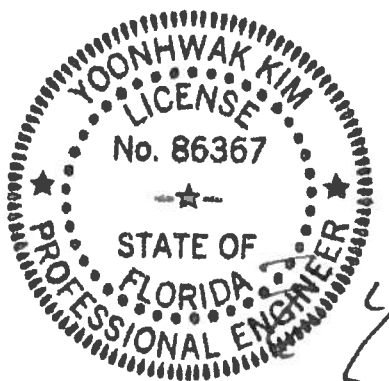
Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 10'-7-12.



COA #0-278
10/14/2019

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - O	2901 - 519	M - L	1809 - 171
O - N	2900 - 520	L - K	1139 - 134
N - M	2507 - 376		

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
C - N	163 - 436	L - G	424 - 64
N - D	454 - 64	L - H	634 - 35
D - M	232 - 840	H - K	175 - 1088
E - M	612 - 107	K - I	1736 - 201
F - L	121 - 577	I - J	286 - 1978

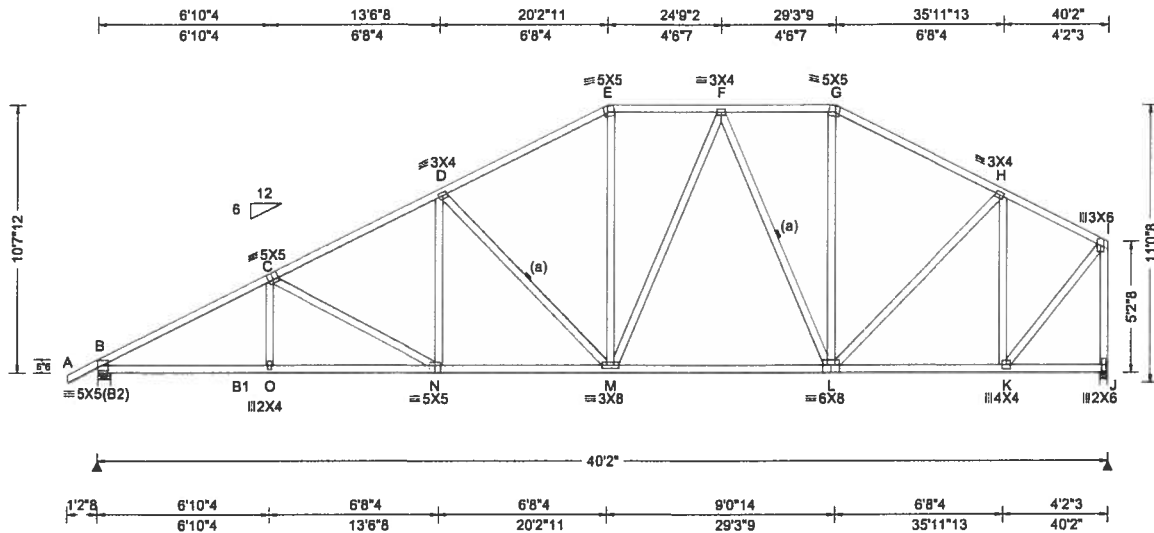
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety 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-2 for standard plate positions.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation 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 this job's general notes page and these web sites: ALPINE: www.alpinetw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 2829 FROM: CDM	HIPS Ply: 1 Qty: 1	Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: A03	Cust: R 215 JRef: 1WPC2150002 T2 DrwNo: 287.19.1104.10003 / YK 10/14/2019
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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: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 4.02 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 Code / Misc Criteria Bldg 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): 0.149 N 999 240 VERT(CL): 0.304 N 999 180 HORZ(LL): 0.052 K - - HORZ(TL): 0.106 K - - Creep Factor: 2.0 Max TC CSI: 0.851 Max BC CSI: 0.723 Max Web CSI: 0.940 VIEW Ver: 19.02.00.0929.20	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 1740 /- /- /1091 /301 /247 J 1649 /- /- /884 /298 /- Wind reactions based on MWFRS B Brg Width = 6.0 Min Req = 1.5 J Brg Width = 3.5 Min Req = 1.9 Bearings B & 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.
				B - C 1180 -2974 F - G 779 -1298 C - D 1102 -2497 G - H 799 -1542 D - E 951 -1903 H - I 506 -1040 E - F 950 -1619

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

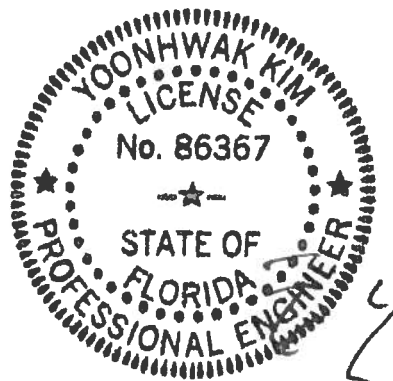
Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information



COA #0-278
10/14/2019

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - O	2560 - 1168	M - L	1509 - 575
O - N	2559 - 1169	L - K	927 - 399
N - M	2144 - 953		

Maximum Web Forces Per Ply (lbs)

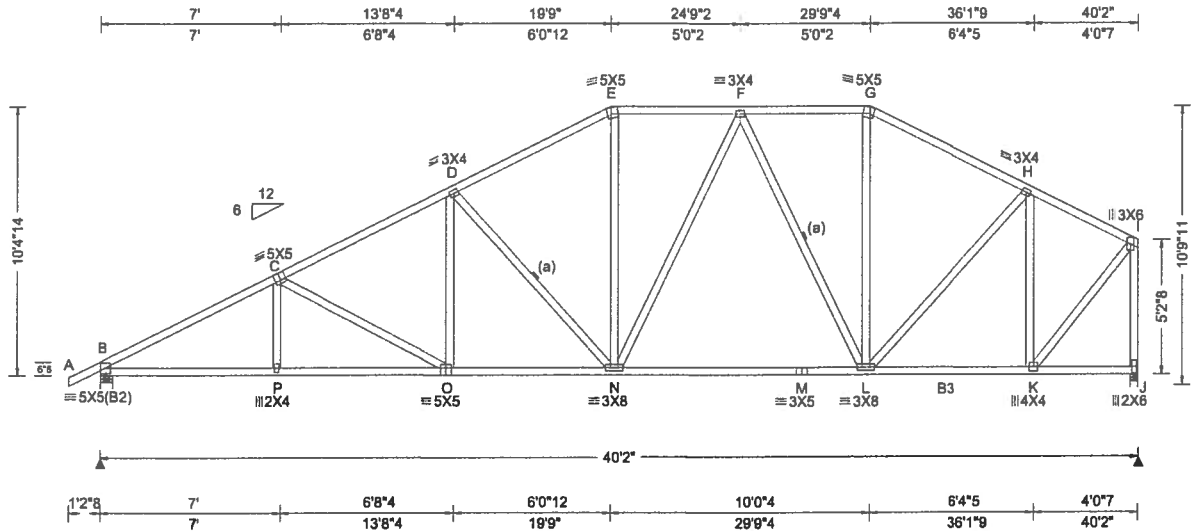
Webs	Tens.Comp.	Webs	Tens. Comp.
C - N	285 - 465	L - H	529 - 120
N - D	378 - 128	H - K	486 - 975
D - M	445 - 767	K - I	1409 - 603
E - M	456 - 201	I - J	783 - 1621
F - L	273 - 541		

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****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 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.02 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 Code / Misc Criteria Bldg 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): 0.144 O 999 240 VERT(CL): 0.294 O 999 180 HORZ(LL): 0.047 K - - HORZ(TL): 0.096 K - - Creep Factor: 2.0 Max TC CSI: 0.850 Max BC CSI: 0.878 Max Web CSI: 0.945 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 1740 /- /- /1090 /109 /241 J 1649 /- /- /882 /68 /- Wind reactions based on MWFRS B Brg Width = 6.0 Min Req = 1.5 J Brg Width = 3.5 Min Req = 1.9 Bearings B & 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.
				B - C 674 -2976 F - G 476 -1292 C - D 651 -2494 G - H 497 -1528 D - E 593 -1939 H - I 308 -1037 E - F 582 -1658

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP M-31
:B3 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.

Right end vertical not exposed to wind pressure.

Additional Notes

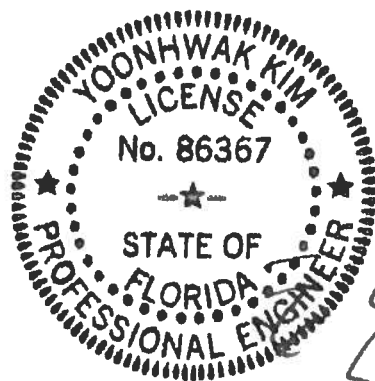
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 10-4-14.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - P	2562 -673	N - M	1548 -372
P - O	2561 -674	M - L	1546 -372
O - N	2140 -555	L - K	922 -236

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - O	150 -471	L - H	549 -87
O - D	420 -61	H - K	293 -981
D - N	239 -735	K - I	1401 -356
E - N	510 -115	I - J	459 -1618
F - L	187 -586		



COA #0-278
10/14/2019

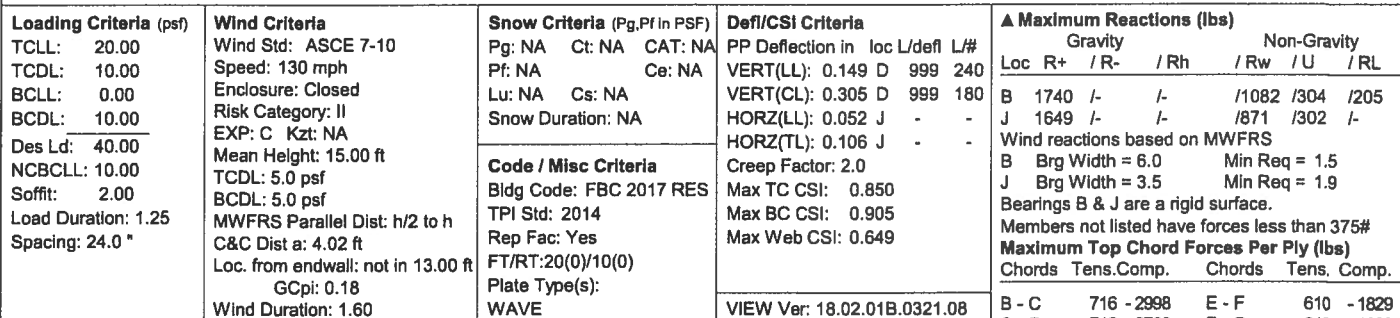
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Top chord 2x4 SP #2
Bot chord 2x4 SP #2
:B1 2x4 SP M-31:
Webs 2x4 SP #3

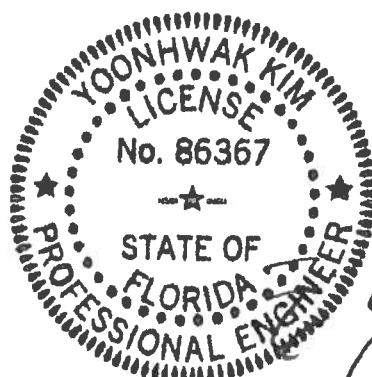
(a) Continuous lateral restraint equally spaced on member.

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

Right end vertical not exposed to wind pressure.

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 9-0-14



COA #0-278
10/14/2019

▲ Maximum Reactions (lbs)							
Gravity			Non-Gravity				
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
B	1740	/-	/-	/1082	/304	/205	
J	1649	/-	/-	/871	/302	/-	
Wind reactions based on MWFRS							
B	Brg Width = 6.0			Min Req = 1.5			
J	Brg Width = 3.5			Min Req = 1.9			
Bearings B & 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.	
B - C		716 - 2998		E - F		610 - 1829	
C - D		712 - 2769		F - G		610 - 1829	
D - E		647 - 2175		G - H		454 - 1429	

Maximum Bot Chord Forces Per Ply (lbs)					
Chords			Tens. Comp.		
B - P	2587	-719	M - L	1211	-297
P - O	2270	-622	L - K	1211	-297
O - N	2270	-622	K - J	540	-160
N - M	1875	-483			

Maximum Web Forces Per Ply (lbs)					
Webs	Tens.	Comp.	Webs	Tens.	Comp.
P - D	414	-56	F - M	199	-510
D - N	201	-570	G - K	170	-520
E - N	618	-124	K - H	967	-197
M - G	937	-255	H - J	493	-1666

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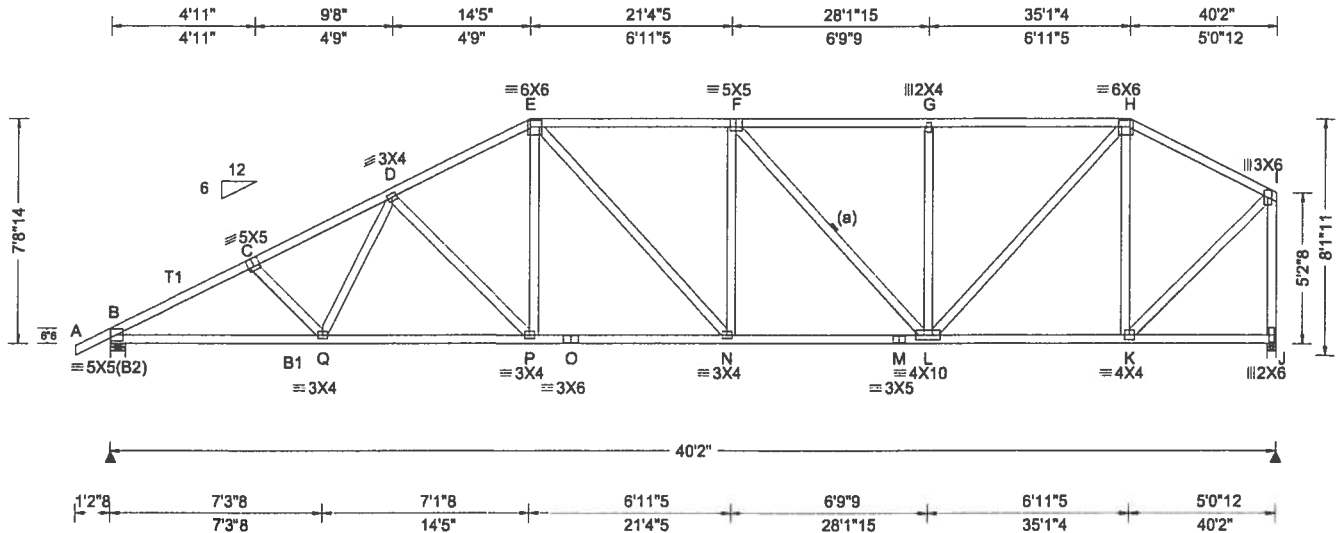
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SEQN: 290080 FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: A06	Cust: R 215 JRef: 1WPC2150002 T26 DrwNo: 287.19.1104.14087 / YK 10/14/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 4.02 ft Loc. from endwall: not in 6.50 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 Code / Misc Criteria Bldg 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): 0.152 P 999 240 VERT(CL): 0.312 P 999 180 HORZ(LL): 0.054 K - - HORZ(TL): 0.110 K - - Creep Factor: 2.0 Max TC CSI: 0.577 Max BC CSI: 0.765 Max Web CSI: 0.915 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1740 /- /- /1068 /307 /169 J 1649 /- /- /854 /306 /- Wind reactions based on MWFRS B Brg Width = 6.0 Min Req = 1.5 J Brg Width = 3.5 Min Req = 1.9 Bearings B & 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
:T1 2x4 SP M-31:
Bot chord 2x4 SP #2
:B1 2x4 SP M-31:
Webs 2x4 SP #3

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

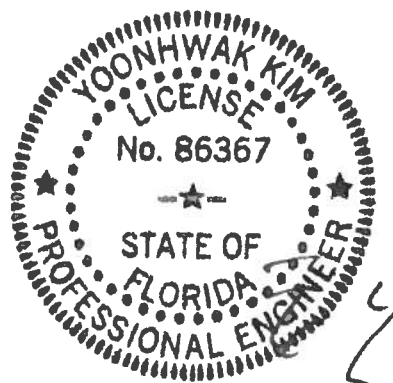
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 7-8-14.



COA #0-278
10/14/2019

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - Q	2593 -743	N - M	2246 -596
Q - P	2382 -678	M - L	2246 -596
P - O	2074 -561	L - K	1016 -272
O - N	2074 -561		

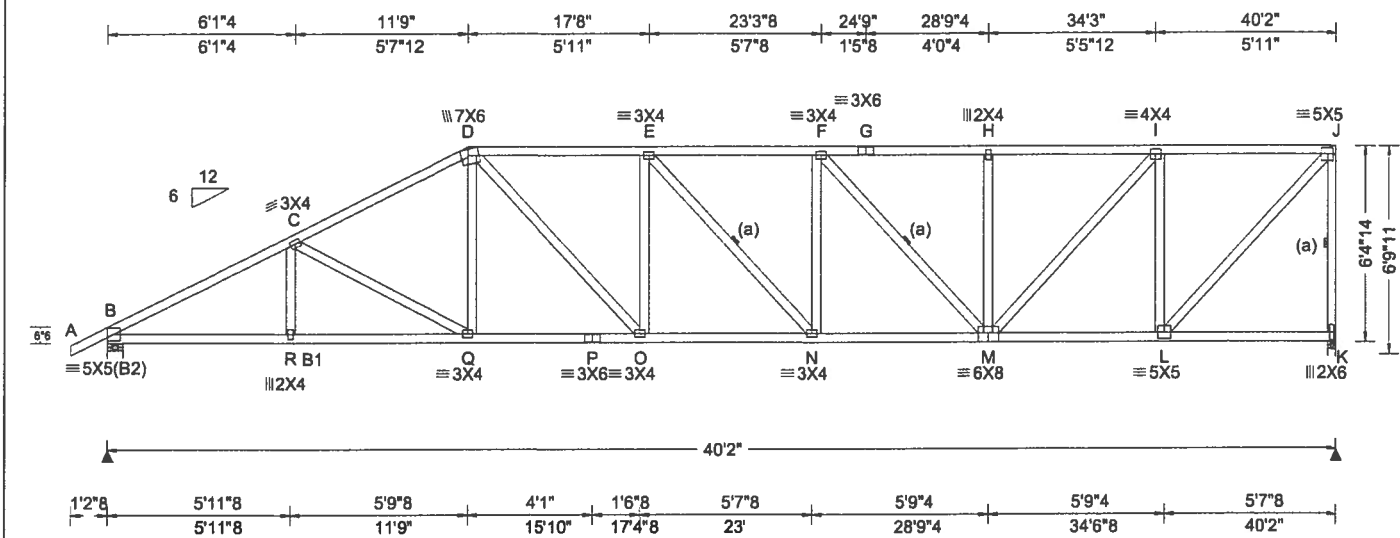
Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
D - P	168 -445	L - H	1301 -339
E - P	518 -105	H - K	285 -850
F - L	138 -514	K - I	1414 -379
G - L	169 -426	I - J	487 -1613

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)					
				Loc	R+	R-	Rh	Rw	U
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/H	B	1740	-	-	1052	305
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.196 E 999 240	K	1649	-	-	852	319
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.402 E 999 180						
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.060 L - -						
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.124 L - -						
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0						
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.817						
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.693						
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h		Max Web CSI: 0.969						
	C&C Dist a: 4.02 ft								
	Loc. from endwall: not in 6.50 ft								
	GCpi: 0.18								
	Wind Duration: 1.60								

Lumber

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

Bracing

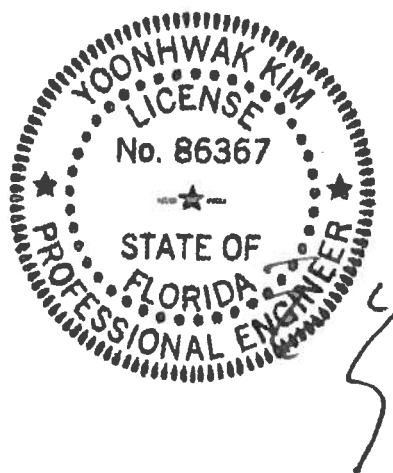
(a) Continuous lateral restraint equally spaced on member.

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 6'-4".



COA #0-278
10/14/2019

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - R	2570 - 793	O - N	2689 - 757
R - Q	2570 - 794	N - M	2664 - 732
Q - P	2269 - 678	M - L	1402 - 382
P - O	2269 - 678		

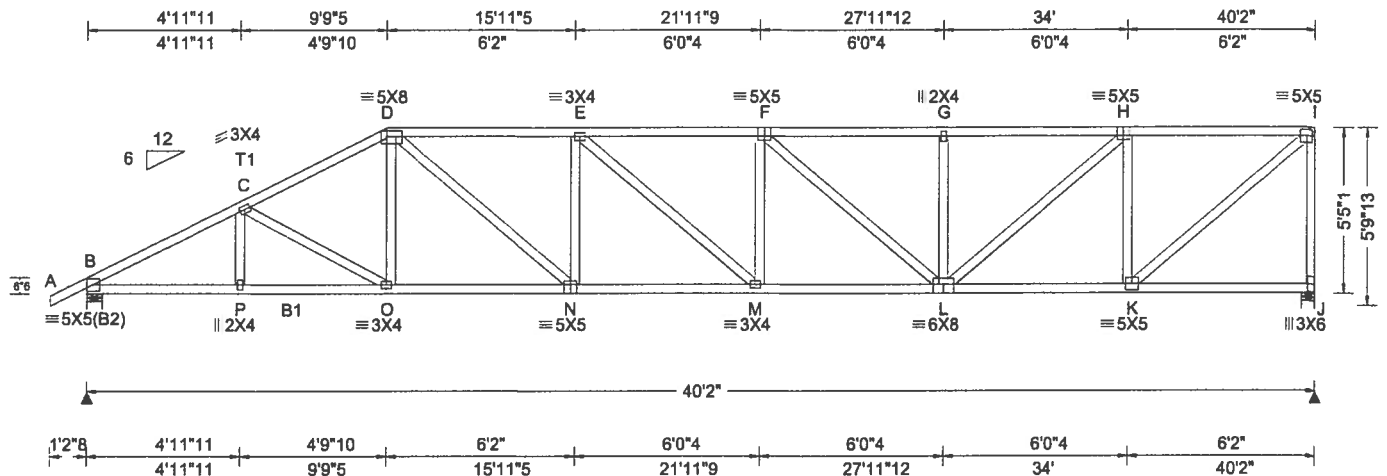
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
D - Q	382 - 58	I - L	416 - 1328
D - O	596 - 140	L - J	1977 - 535
F - M	195 - 655	J - K	468 - 1604
M - I	1237 - 330		

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SEQN: 656421 FROM: CDM	HIPM Ply: 1 Qty: 1	Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: A08	Cust: R 215 JRef: 1WPC2150002 T3 DrwNo: 287.19.1104.16367 / YK 10/14/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)							
				Gravity			Non-Gravity				
				Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	B	1740	/-	/-	/1029	/310	/157	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.233 M 999 240	J	1649	/-	/-	/842	/316	/-	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.477 M 999 180	Wind reactions based on MWFRS							
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.065 K - -	B	Brg Width = 6.0 Min Req = 1.5						
Des Ld: 40.00	EXP: C Kzt: NA	Code / Misc Criteria	HORZ(TL): 0.134 K - -	J	Brg Width = 5.5 Min Req = 1.9						
NCBCLL: 10.00	Mean Height: 15.00 ft		Bldg Code: FBC 2017 RES	Creep Factor: 2.0	Bearings B & J are a rigid surface.						
Soffit: 2.00	TCDL: 5.0 psf		TPI Std: 2014	Max TC CSI: 0.685	Members not listed have forces less than 375#						
Load Duration: 1.25	BCDL: 5.0 psf		Rep Fac: Yes	Max BC CSI: 0.811	Maximum Top Chord Forces Per Ply (lbs)						
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h		FT/RT:20(0)/10(0)	Max Web CSI: 0.846	Chords	Tens.Comp.	Chords	Tens.	Comp.		
	C&C Dist a: 4.02 ft	Plate Type(s):		B - C	746	-2963	F - G	736	-2765		
	Loc. from endwall: not in 6.50 ft	WAVE	VIEW Ver: 18.02.01B.0321.08	C - D	744	-2744	G - H	736	-2765		
	GCpi: 0.18			D - E	859	-3103	H - I	451	-1690		
	Wind Duration: 1.60			E - F	871	-3229					
Lumber											
Top chord 2x4 SP #2											

Lumber

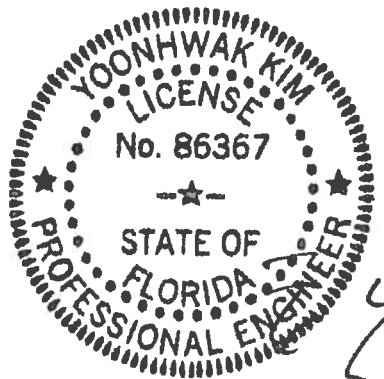
Top chord 2x4 SP #2
:T1 2x4 SP M-31:
Bot chord 2x4 SP #2
:B1 2x4 SP M-31:
Webs 2x4 SP #3

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 5-5-1.



COA #0-278
10/14/2019

Maximum Bot Chord Forces Per Ply (lbs)					
Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - P	2555	- 788	N - M	3130	- 867
P - O	2556	- 790	M - L	3227	- 872
O - N	2408	- 710	L - K	1764	- 474

Maximum Web Forces Per Ply (lbs)					
Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - N	912	- 219	H - K	408	- 1306
N - E	165	- 480	K - I	2221	- 592
F - L	181	- 614	I - J	463	- 1600
L - H	1328	- 348			

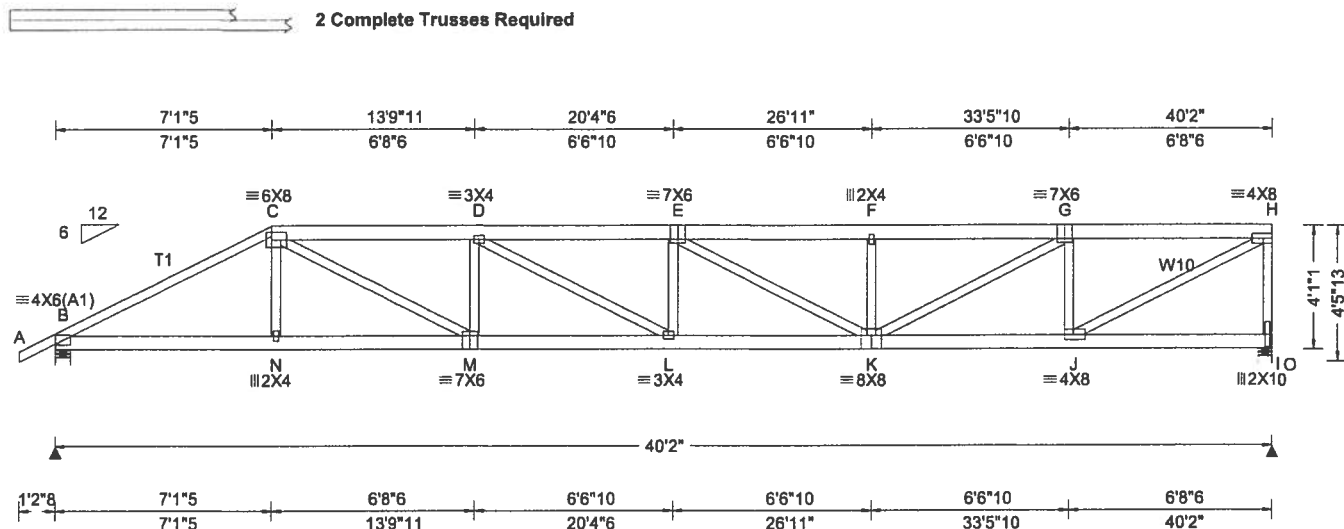
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SEQN: 656624 FROM: CDM	HIPM Ply: 2 Qty: 1	Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: A09	Cust: R 215 JRef: 1WPc2150002 T13 DrwNo: 287.19.1104.20417 / YK 10/14/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
				Loc	R+	/R-	/Rh	/Rw	/U	/RL
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	B	3123	/-	/-	/-	/777	/-
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.228 E 999 240	O	3212	/-	/-	/-	/840	/-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.460 E 999 180	Wind reactions based on MWFRS						
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.042 C - -	B	Brg Width = 6.0		Min Req = 1.5			
Des Ld: 40.00	EXP: C Kzt: NA	Code / Misc Criteria	HORZ(TL): 0.085 C - -	O	Brg Width = 5.5		Min Req = 1.5			
NCBCLL: 0.00	Mean Height: 15.00 ft		Creep Factor: 2.0	Bearings B & O are a rigid surface.						
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.488	Members not listed have forces less than 375#						
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.310	Maximum Top Chord Forces Per Ply (lbs)						
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.640	Chords	Tens.Comp.	Chords	Tens. Comp.			
	C&C Dist a: 4.02 ft	FT/RT:20(0)/10(0)	VIEW Ver: 18.02.01B.0321.08	B - C	745 - 2949	E - F	1034 - 3976			
	Loc. from endwall: not in 13.00 ft	Plate Type(s):		C - D	1042 - 4052	F - G	1034 - 3976			
	GCpi: 0.18	WAVE		D - E	1159 - 4484	G - H	646 - 2486			
	Wind Duration: 1.60			Maximum Bot Chord Forces Per Ply (lbs)						
				Chords	Tens.Comp.	Chords	Tens. Comp.			
				B - N	2595 - 650	L - K	4487 - 1165			
				N - M	2602 - 648	K - J	2580 - 676			
				Maximum Web Forces Per Ply (lbs)						
				Webs	Tens.Comp.	Webs	Tens. Comp.			
				C - M	1660 - 451	K - G	1604 - 412			
				M - D	227 - 599	G - J	377 - 1169			
				D - L	444 - 115	J - H	2835 - 737			
				E - K	150 - 588	H - I	424 - 1522			
Lumber	Additional Notes									

Lumber

Top chord 2x6 SP 2400f-2.0E
T1 2x4 SP #2:
Bot chord 2x6 SP 2400f-2.0E
Webs 2x4 SP #3
W10 2x4 SP #2:

Nailnote

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

Special Loads

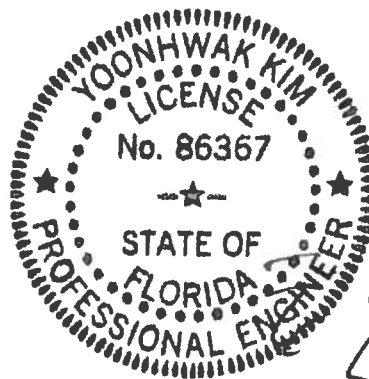
---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 62 plf at -1.21 to 62 plf at 7.11
TC: From 31 plf at 7.11 to 31 plf at 40.17
BC: From 4 plf at -1.21 to 4 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 7.14
BC: From 10 plf at 7.14 to 10 plf at 40.17
TC: 191 lb Conc. Load at 7.14
TC: 141 lb Conc. Load at 9.17,11.17,13.17,15.17
17.17,19.17,21.17,23.17,25.17,27.17,29.17,31.17
33.17,35.17,37.17,39.17
BC: 329 lb Conc. Load at 7.14
BC: 96 lb Conc. Load at 9.17,11.17,13.17,15.17
17.17,19.17,21.17,23.17,25.17,27.17,29.17,31.17
33.17,35.17,37.17,39.17

Wind

Wind loads and reactions based on MWFRS.
Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 4'-1".



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10/14/2019

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

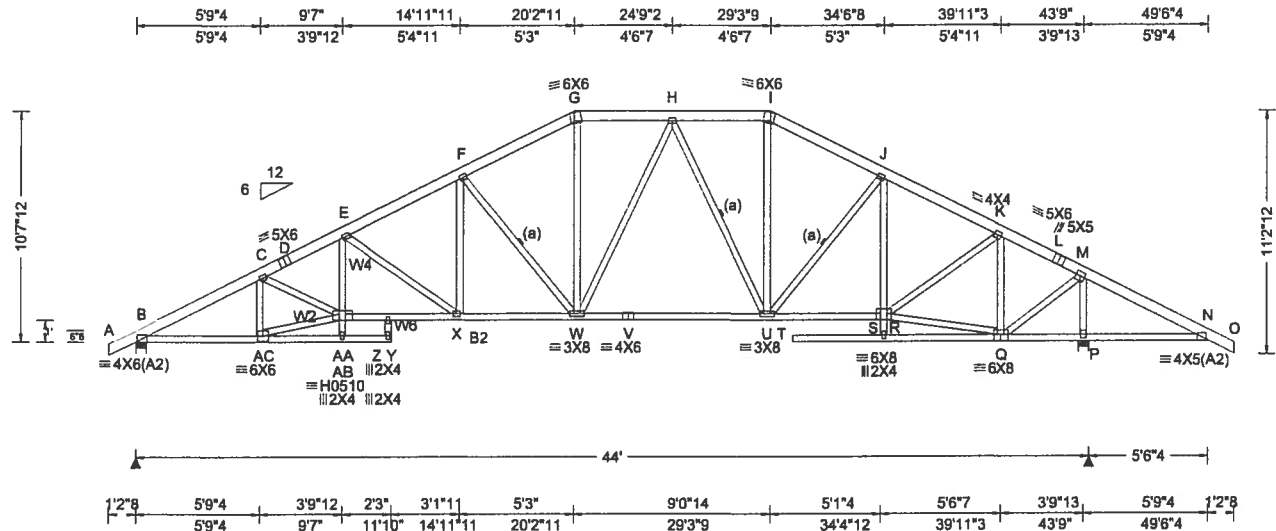
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For more information see this job's general notes page and these web sites: ALPINE: www.alpinetw.com; TPI: www.tpinet.org; SBGA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE
AN ITW COMPANY
6750 Forum Drive
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SEQN: 290225 FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: B01	Cust: R 215 JRef: 1WPC2150002 T15 DrwNo: 287.19.1104.31767 / YK 10/14/2019
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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: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.95 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 Code / Misc Criteria Bldg 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): 0.287 T 999 240 VERT(CL): 0.876 T 597 180 HORZ(LL): 0.087 Q - - HORZ(TL): 0.183 Q - - Creep Factor: 2.0 Max TC CSI: 0.220 Max BC CSI: 0.879 Max Web CSI: 0.831 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL B 1869 /- /- /1177 /15 /348 P 2394 /- /- /1487 /4 /- Non-Gravity Wind reactions based on MWFRS B Brg Width = 6.0 Min Req = 2.2 P Brg Width = 6.0 Min Req = 2.8 Bearings B & P 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 2x6 SP 2400f-2.0E
Bot chord 2x4 SP #2
:B2 2x4 SP M-31:
Webs 2x4 SP #3
:W2 2x4 SP #2:
:W4, W6 2x4 SP M-31:

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.

Right cantilever is exposed to wind

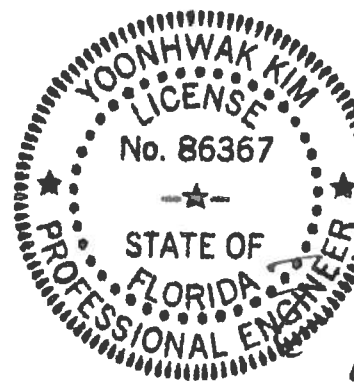
Additional Notes

Refer to General Notes for additional information

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.

The overall height of this truss excluding overhang is 10-7-12.

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).



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Maximum Bot Chord Forces Per Ply (lbs)

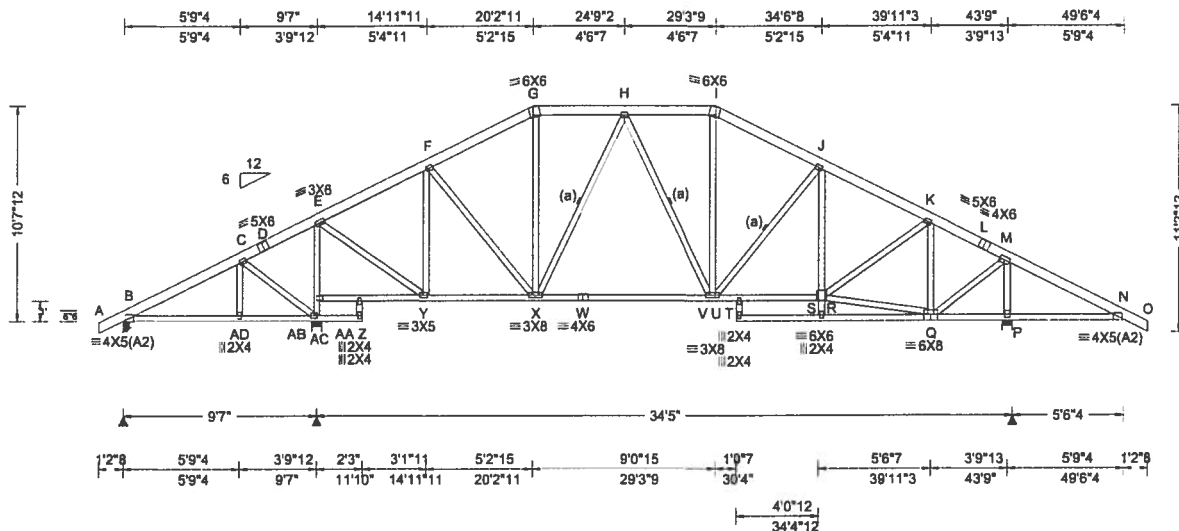
Chords	Tens.Comp.	Chords	Tens. Comp.
B - AC	2826 - 428	V - U	2012 - 100
AA - Z	3357 - 430	U - R	1944 - 153
Z - X	3423 - 442	Q - P	428 - 510
X - W	2608 - 259	P - N	437 - 531
W - V	2012 - 100		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - AC	141 - 748	H - U	104 - 431
C - AA	681 - 21	U - I	574 - 84
AC - AA	2798 - 421	R - K	1084 - 141
AA - E	687 - 111	R - Q	1129 - 73
E - X	226 - 1002	K - Q	228 - 1298
X - F	595 - 109	Q - M	1810 - 386
F - W	237 - 854	M - P	588 - 2253
G - W	700 - 135		

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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 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.95 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 Code / Misc Criteria Bldg 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): 0.043 H 999 240 VERT(CL): 0.090 V 999 180 HORZ(LL): 0.024 Q - - HORZ(TL): 0.053 Q - - Creep Factor: 2.0 Max TC CSI: 0.145 Max BC CSI: 0.752 Max Web CSI: 0.590 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 442 -/- /- /247 /67 /314 AC 1846 -/- /- /1260 /112 -/- P 2008 -/- /- /1418 /52 -/- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 AC Brg Width = 6.0 Min Req = 2.2 P Brg Width = 6.0 Min Req = 2.4 Bearings B, AC, & P 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.

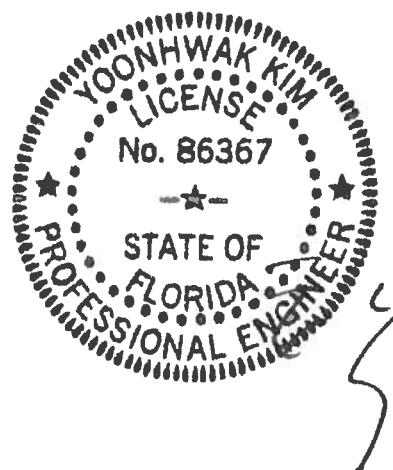
Lumber
Top chord 2x6 SP 2400f-2.0E
Bot chord 2x4 SP #2
Webs 2x4 SP #3

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.
Right cantilever is exposed to wind

Additional Notes
Refer to General Notes for additional information
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.
The overall height of this truss excluding overhang is 10-7-12.
Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).



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10/14/2019

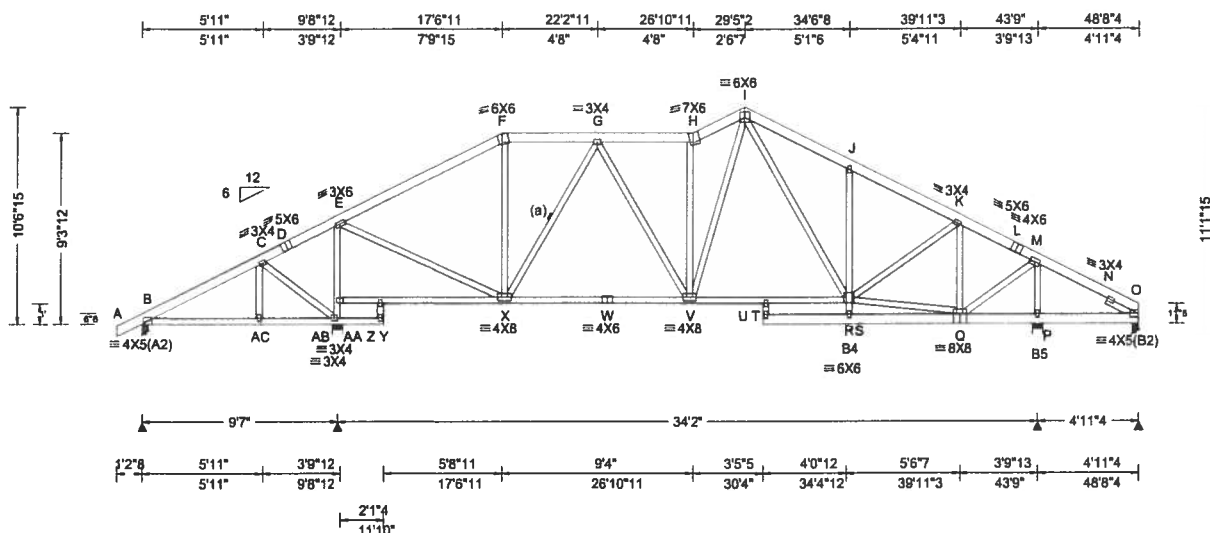
Maximum Bot Chord Forces Per Ply (lbs)				
Chords	Tens.Comp.		Chords	Tens. Comp.
Y - X	916	- 124	T - R	1347 - 236
X - W	1209	- 163	Q - P	572 - 518
W - V	1209	- 163	P - N	580 - 535
V - T	1363	- 239		

Maximum Web Forces Per Ply (lbs)				
Webs	Tens.Comp.		Webs	Tens. Comp.
C - AC	127	- 407	R - K	746 - 209
AC-AB	295	- 1508	R - Q	811 - 135
AB- E	297	- 1495	K - Q	291 - 966
E - Y	1173	- 175	Q - M	1454 - 449
Y - F	124	- 623	M - P	666 - 1882

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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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; SBCE: www.sbcindustry.com; ICC: www.iccsafe.org

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6750 Forum Drive
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Orlando FL, 32821

SEQN: 290242 FROM: CDM	SPEC Qty: 1	Job Number: 19-3559 /HUGHES /ZECHE CONSTRUCTION Truss Label: B03	Cust: R 215 JRef: 1WPC2150002 T22 DrwNo: 287.19.1104.45090 / YK 10/14/2019
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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: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 4.87 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 Code / Misc Criteria Bldg 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): 0.062 H 999 240 VERT(CL): 0.122 Z 999 180 HORZ(LL): 0.022 Q - - HORZ(TL): 0.045 Q - - Creep Factor: 2.0 Max TC CSI: 0.164 Max BC CSI: 0.893 Max Web CSI: 0.933 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 430 /- /- /- /94 /- AB 1847 /- /- /- /340 /- P 2372 /- /- /- /495 /- O 364 /-134 /- /- /105 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 AB Brg Width = 6.0 Min Req = 2.2 P Brg Width = 6.0 Min Req = 2.0 O Brg Width = 3.5 Min Req = 1.5 Bearings B, AB, P, & O are a rigid surface. Members not listed have forces less than 375#

Lumber
Top chord 2x6 SP 2400f-2.0E
Bot chord 2x4 SP #2
B4, B5 2x6 SP 2400f-2.0E:
Webs 2x4 SP #3
Rt Slider 2x4 SP #3: BLOCK LENGTH = 1.644'

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).

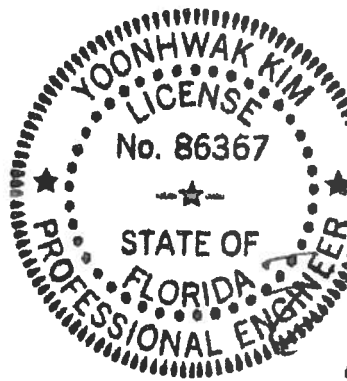
Bracing
(a) Continuous lateral restraint equally spaced on member.

Special Loads
---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 62 plf at -1.21 to 62 plf at 48.69
BC: From 4 plf at -1.21 to 4 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 45.21
BC: From 10 plf at 45.21 to 10 plf at 48.69
BC: 370 lb Conc. Load at 45.21,47.21

Plating Notes
All plates are 2X4 except as noted.

Wind
Wind loads and reactions based on MWFRS.

Additional Notes
Refer to General Notes for additional information
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.
The overall height of this truss excluding overhang is 10'-6-15.



COA #0-278
10/14/2019

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
X - W	1285 -253	T - R	1136 -214
W - V	1285 -253	Q - P	50 -425
V - T	1151 -221	P - O	60 -470

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
C - AB	57 -384	V - I	822 -114
AB - AA	353 -1520	R - K	740 -129
AA - E	364 -1503	R - Q	634 -119
E - X	1189 -209	K - Q	231 -990
X - G	127 -514	Q - M	1347 -222
V - H	190 -781	M - P	366 -1728

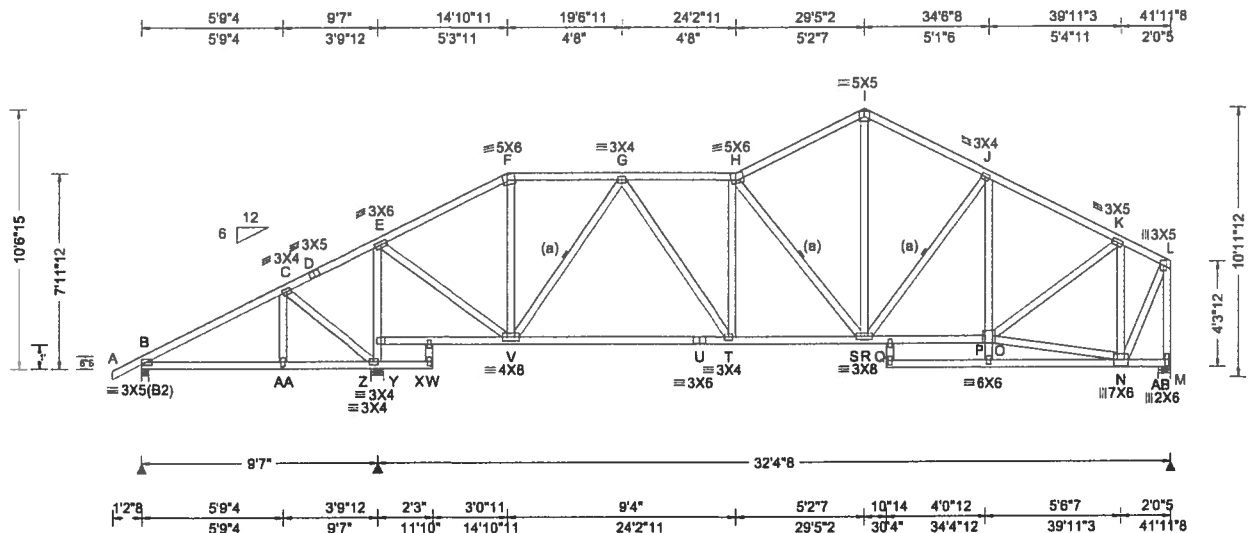
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ALPINE
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6750 Forum Drive
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SEQN: 290247 FROM: CDM	SPEC Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: B04	Cust: R 215 JRef: 1WPC2150002 T36 DrwNo: 287.19.1104.50013 / YK 10/14/2019
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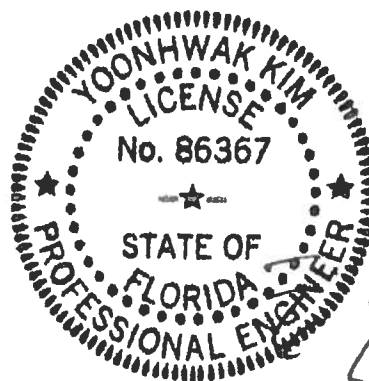
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.20 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 Code / Misc Criteria Bldg 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): 0.071 H 999 240 VERT(CL): 0.146 H 999 180 HORZ(LL): 0.021 N - - HORZ(TL): 0.043 N - - Creep Factor: 2.0 Max TC CSI: 0.391 Max BC CSI: 0.813 Max Web CSI: 0.832 VIEW Ver: 18.02.01B.0321.08	Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 428 - / - / - /208 /18 /253 Z 1835 - / - / - /1161 /100 /- AB 1314 - / - / - /769 /60 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 Z Brg Width = 6.0 Min Req = 2.2 AB Brg Width = 6.0 Min Req = 1.6 Bearings B, Z, & AB 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	Maximum Bot Chord Forces Per Ply (lbs)
Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3	Chords Tens.Comp. Chords Tens. Comp. E - F 324 - 1030 I - J 481 - 1294 F - G 330 - 859 J - K 428 - 1371 G - H 534 - 1570 K - L 179 - 590 H - I 484 - 1292

Bracing	Maximum Web Forces Per Ply (lbs)
(a) Continuous lateral restraint equally spaced on member.	Chords Tens.Comp. Chords Tens. Comp. V - U 1316 - 358 S - Q 1166 - 299 U - T 1316 - 358 Q - O 1152 - 295 T - S 1579 - 430

Plating Notes	Maximum Web Forces Per Ply (lbs)
All plates are 2X4 except as noted.	Chords Tens.Comp. Chords Tens. Comp. C - Z 130 - 424 I - S 771 - 267 Z - Y 461 - 1495 O - K 772 - 196 Y - E 463 - 1487 O - N 522 - 147 E - V 1182 - 299 K - N 335 - 1055 V - G 266 - 818 N - L 1158 - 324 G - T 464 - 122 L - M 373 - 1309 H - S 298 - 790

Additional Notes	Maximum Web Forces Per Ply (lbs)
Refer to General Notes for additional information The overall height of this truss excluding overhang is 10'-6-15. Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).	Chords Tens.Comp. Chords Tens. Comp. C - Z 130 - 424 I - S 771 - 267 Z - Y 461 - 1495 O - K 772 - 196 Y - E 463 - 1487 O - N 522 - 147 E - V 1182 - 299 K - N 335 - 1055 V - G 266 - 818 N - L 1158 - 324 G - T 464 - 122 L - M 373 - 1309 H - S 298 - 790

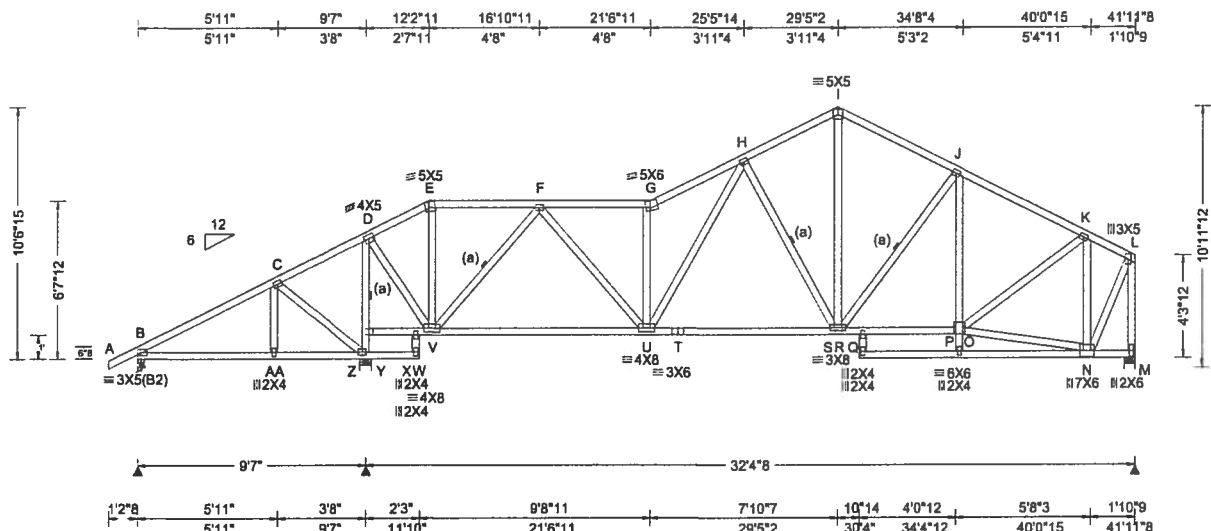


COA #0-278
10/14/2019

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



SEQN: 290250 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: B05	Cust: R 215 JRef: 1WPC2150002 T47 DrwNo: 287.19.1104.58370 / YK 10/14/2019
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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: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.20 ft Loc. from endwall: not in 13.00 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg 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): 0.095 G 999 240 VERT(CL): 0.194 G 999 180 HORZ(LL): -0.022 J - - HORZ(TL): 0.044 J - - Creep Factor: 2.0 Max TC CSI: 0.446 Max BC CSI: 0.910 Max Web CSI: 0.651 VIEW Ver: 18.02.01B.0321.08	Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 411 - / - / 193 / 15 / 253 Z 1874 - / - / 1168 / 97 / - M 1306 - / - / 755 / 42 / - Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 Z Brg Width = 6.0 Min Req = 2.2 M Brg Width = 5.5 Min Req = 1.5 Bearings B, Z, & M 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

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.

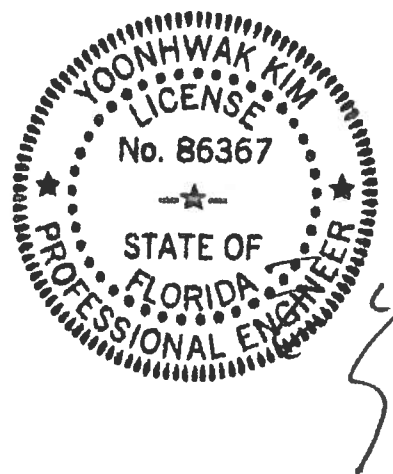
Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 10'-6-15".

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).



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10/14/2019

D - E	199	- 601	H - I	479	- 1266
E - F	194	- 510	I - J	457	- 1287
F - G	559	- 1797	J - K	411	- 1360
G - H	692	- 2092	K - L	173	- 587

Maximum Bot Chord Forces Per Ply (lbs)					
Chords	Tens.	Comp.	Chords	Tens.	Comp.
V - U	1289	- 364	S - Q	1157	- 283
U - T	1423	- 371	Q - O	1145	- 279
T - S	1423	- 371			

Maximum Web Forces Per Ply (lbs)					
Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - Z	139	- 434	H - S	285	- 704
Z - Y	461	- 1512	I - S	811	- 289
Y - D	453	- 1532	O - K	766	- 185
D - V	1213	- 314	O - N	521	- 141
V - F	371	- 1211	K - N	322	- 1045
F - U	788	- 195	N - L	1150	- 311
U - G	415	- 1152	L - M	359	- 1302
U - H	838	- 269			

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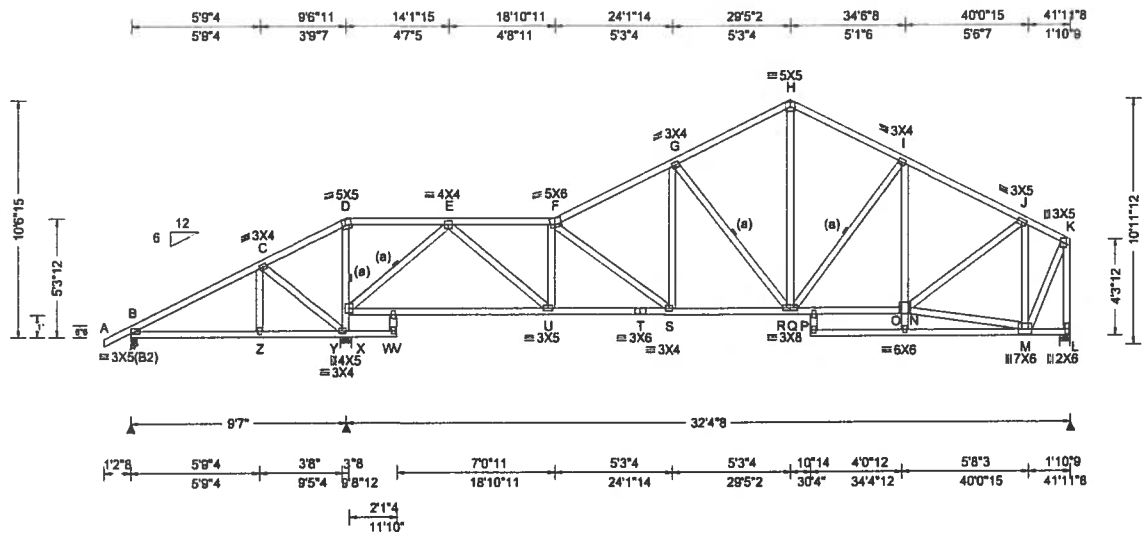
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 290253 FROM: CDM	SPEC Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: 806	Cust: R 215 JRef: 1WPC2150002 T49 DrwNo: 287.19.1105.02470 / YK 10/14/2019
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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: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.20 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 Code / Misc Criteria Bldg 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): 0.095 S 999 240 VERT(CL): 0.195 S 999 180 HORZ(LL): -0.029 I - - HORZ(TL): 0.059 I - - Creep Factor: 2.0 Max TC CSI: 0.458 Max BC CSI: 0.790 Max Web CSI: 0.725 VIEW Ver: 18.02.01B.0321.08	Maximum Reactions (lbs) Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 407 /- /- /180 /21 /253 Y 1871 /- /- /1172 /92 /- L 1306 /- /- /744 /27 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 Y Brg Width = 6.0 Min Req = 2.2 L Brg Width = 5.5 Min Req = 1.5 Bearings B, Y, & L 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

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.

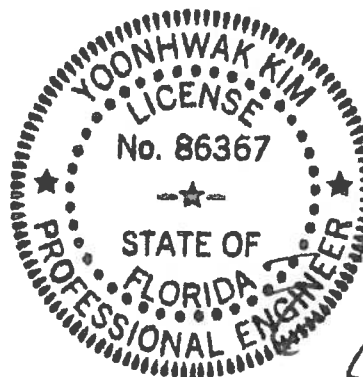
Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 10'-6-15."

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).



COA #0-278
10/14/2019

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
X - W	1202 - 348	S - R	1557 - 395
W - U	1139 - 343	R - P	1156 - 271
U - T	2078 - 583	P - N	1143 - 267
T - S	2078 - 583		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - Y	188 - 442	G - R	285 - 774
Y - X	445 - 1490	H - R	779 - 268
X - E	528 - 1784	N - J	765 - 176
E - U	1201 - 300	N - M	520 - 139
U - F	239 - 688	J - M	317 - 1046
F - S	233 - 639	M - K	1150 - 306
S - G	505 - 134	K - L	354 - 1301

****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**
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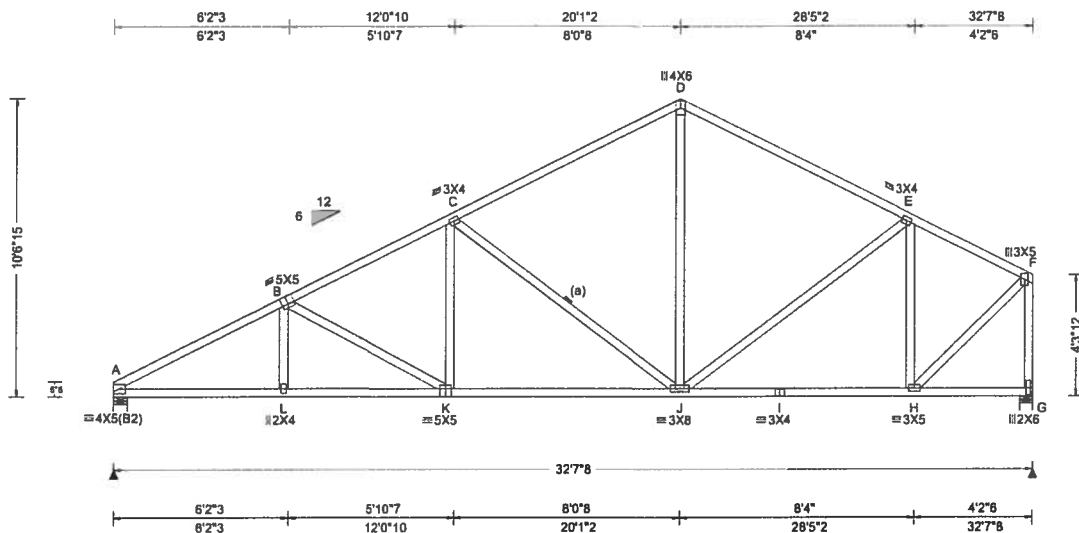
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 290261 FROM: CDM	SPEC Qty: 1	Ply: 1 Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: C01	Cust: R 215 JRef: 1WPc2150002 T56 DrwNo: 287.19.1105.04210 / YK 10/14/2019
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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: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.26 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 Code / Misc Criteria Bldg 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): 0.106 K 999 240 VERT(CL): 0.218 K 999 180 HORZ(LL): 0.039 H - - HORZ(TL): 0.081 H - - Creep Factor: 2.0 Max TC CSI: 0.687 Max BC CSI: 0.984 Max Web CSI: 0.511 VIEW Ver: 18.02.01B.0321.08	Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 1347 /- /- /815 /29 /234 G 1340 /- /- /711 /27 /- Wind reactions based on MWFRS A Brg Width = 6.0 Min Req = 1.6 G Brg Width = 5.5 Min Req = 1.6 Bearings A & G 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. A - B 514 - 2366 D - E 392 - 1284 B - C 474 - 1965 E - F 261 - 988 C - D 387 - 1285

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

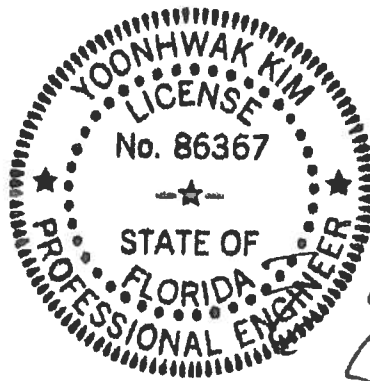
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 10'-6-15.



COA #0-278
10/14/2019

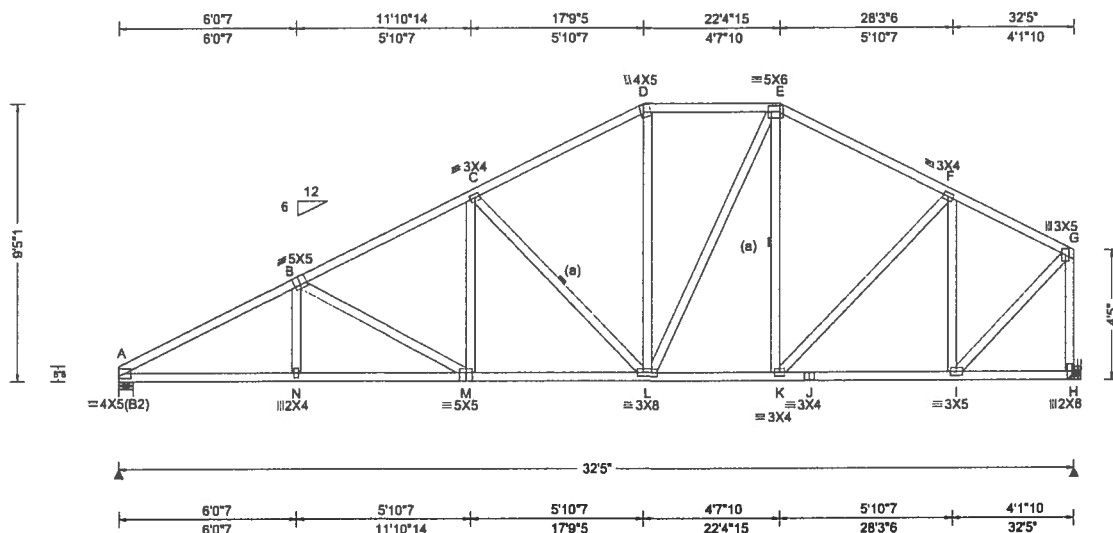
Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
A - L	2027 - 495	J - I	878 - 194
L - K	2026 - 495	I - H	878 - 194
K - J	1684 - 377		

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
B - K	149 - 381	E - H	202 - 675
K - C	436 - 54	H - F	1179 - 258
C - J	243 - 799	F - G	338 - 1318
D - J	612 - 126		

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ALPINE
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6750 Forum Drive
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SEQN: 290256 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: C02	Cust R 215 JRef:1WPc2150002 T40 DrwNo: 287.19.1105.05660 / YK 10/14/2019
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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: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 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 Cs: NA Snow Duration: NA Code / Misc Criteria Bldg 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): 0.102 M 999 240 VERT(CL): 0.210 M 999 180 HORZ(LL): 0.038 I - - HORZ(TL): 0.078 I - - Creep Factor: 2.0 Max TC CSI: 0.632 Max BC CSI: 0.987 Max Web CSI: 0.533 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A 1338 /- /- /814 /224 /203 H 1331 /- /- /705 /239 /- Wind reactions based on MWFRS A Brg Width = 6.0 Min Req = 1.6 H Brg Width = - Min Req = - Bearing A is 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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

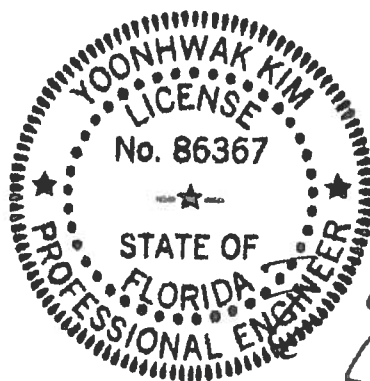
(J) Hanger Support Required, by others

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 9'-5-1.



COA #0-278
10/14/2019

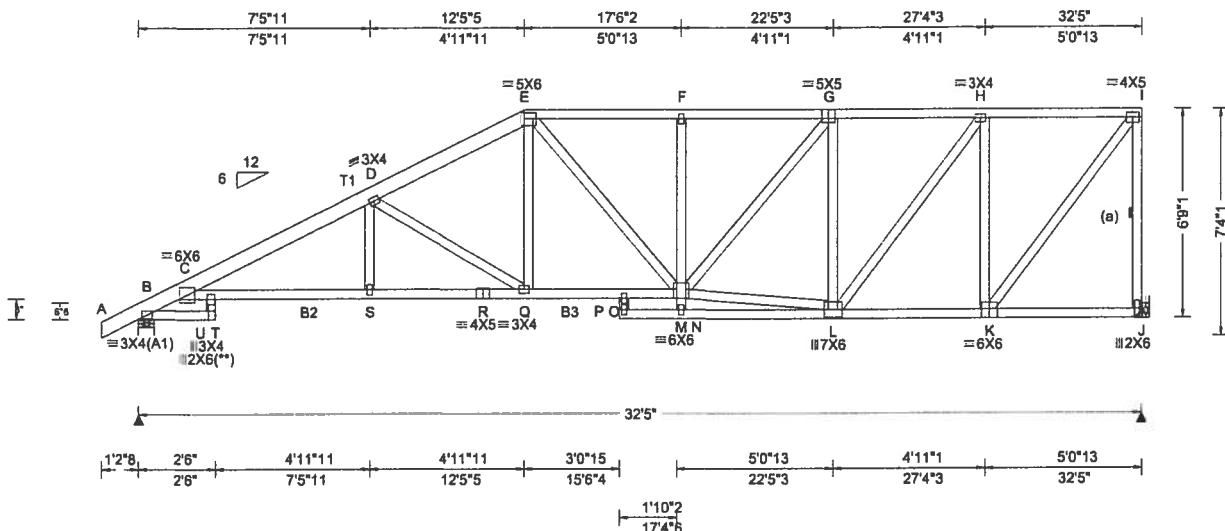
Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
A - N	2019 - 521	L - K	1027 - 222
N - M	2018 - 521	K - J	818 - 200
M - L	1651 - 412	J - I	818 - 200

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
B - M	153 - 409	F - I	217 - 703
M - C	408 - 60	I - G	1137 - 275
C - L	210 - 685	G - H	362 - 1304

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ALPINE
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 290270 FROM: CDM	HIPM Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: C04	Cust: R 215 JRef: 1WPC2150002 T41 DrwNo: 287.19.1105.17410 / YK 10/14/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Def/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 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 Cs: NA Ce: NA Lu: NA Snow Duration: NA Code / Misc Criteria Bldg 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): 0.172 S 999 240 VERT(CL): 0.351 S 999 180 HORZ(LL): 0.113 K - - HORZ(TL): 0.231 K - - Creep Factor: 2.0 Max TC CSI: 0.488 Max BC CSI: 0.736 Max Web CSI: 0.853 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh B 1424 - / - / 881 J 1327 - / - / 699 Wind reactions based on MWFRS B Brg Width = 6.0 Min Req = 1.7 J Brg Width = - 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. Chords Tens. Comp.
				Non-Gravity Loc R+ / R- / Rh B 1424 - / - / 881 J 1327 - / - / 699 Wind reactions based on MWFRS B Brg Width = 6.0 Min Req = 1.7 J Brg Width = - 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. Chords Tens. Comp.

Lumber
Top chord 2x4 SP #2
:T1 2x6 SP 2400f-2.0E:
Bot chord 2x4 SP #2
:B2, B3 2x4 SP M-31:
Webs 2x4 SP #3

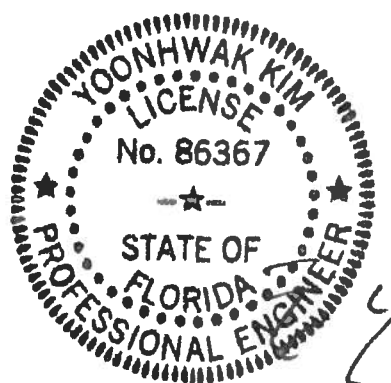
Bracing
(a) Continuous lateral restraint equally spaced on member.

Plating Notes
All plates are 2X4 except as noted.
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

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

Wind
Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 6-9-1.
Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).



COA #0-278
10/14/2019

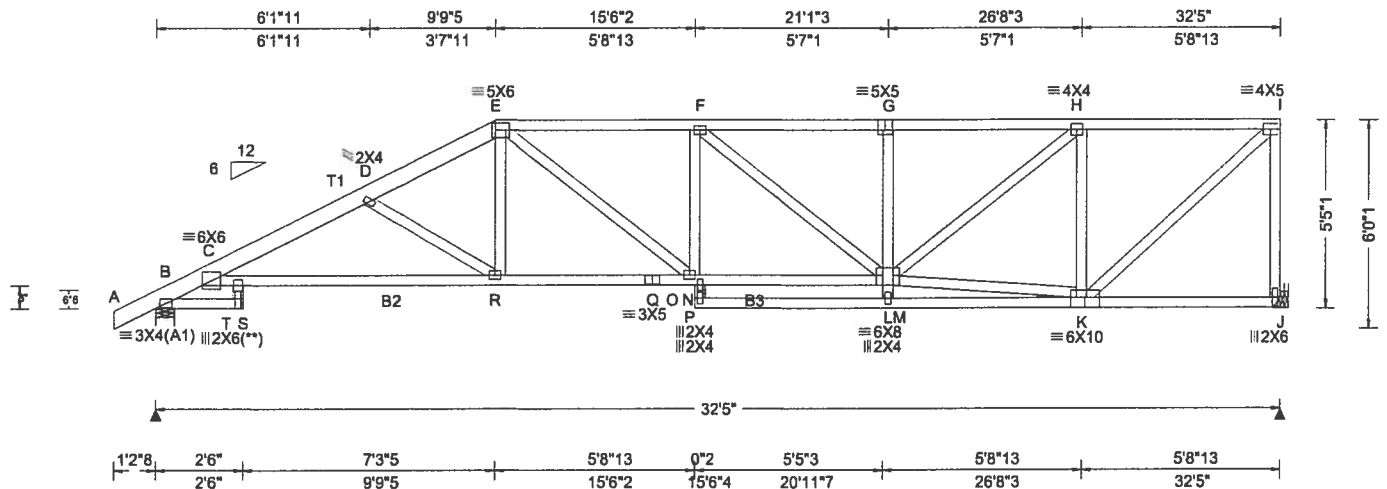
Chords	Tens.Comp.	Chords	Tens. Comp.
C - U	2238 - 677	Q - O	1774 - 537
U - S	2464 - 761	O - M	1724 - 520
S - R	2463 - 762	L - K	927 - 260
R - Q	2463 - 762		

Webbs	Tens.Comp.	Webbs	Tens. Comp.
D - Q	268 - 823	L - H	853 - 238
E - Q	518 - 123	H - K	341 - 1050
M - G	676 - 210	K - I	1453 - 404
M - L	1375 - 382	I - J	386 - 1286
G - L	265 - 798		

****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 this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCEA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 290273 FROM: CDM	HIPM Qty: 1	Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: C05	Cust: R 215 JRef: 1WPc2150002 T53 DrwNo: 287.19.1105.21320 / YK 10/14/2019
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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: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.24 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 Code / Misc Criteria Bldg 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): 0.181 O 999 240 VERT(CL): 0.370 O 999 180 HORZ(LL): 0.110 K - - HORZ(TL): 0.225 K - - Creep Factor: 2.0 Max TC CSI: 0.533 Max BC CSI: 0.696 Max Web CSI: 0.668 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 1424 /- /- /856 /249 /157 J 1327 /- /- /684 /257 /- Wind reactions based on MWFRS B Brg Width = 6.0 Min Req = 1.7 J Brg Width = - 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. Chords Tens. Comp.
				B - C 107 - 829 F - G 620 - 2280 C - D 767 - 2867 G - H 617 - 2268 D - E 650 - 2393 H - I 344 - 1266 E - F 682 - 2419

Lumber

Top chord 2x4 SP #2
:T1 2x6 SP 2400f-2.0E:
Bot chord 2x4 SP #2
:B2, B3 2x4 SP M-31:
Webs 2x4 SP #3

Plating Notes

All plates are 3X4 except as noted.

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

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

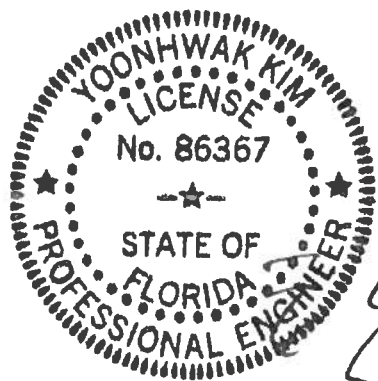
Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 5-5-1.

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).



COA #0-278
10/14/2019

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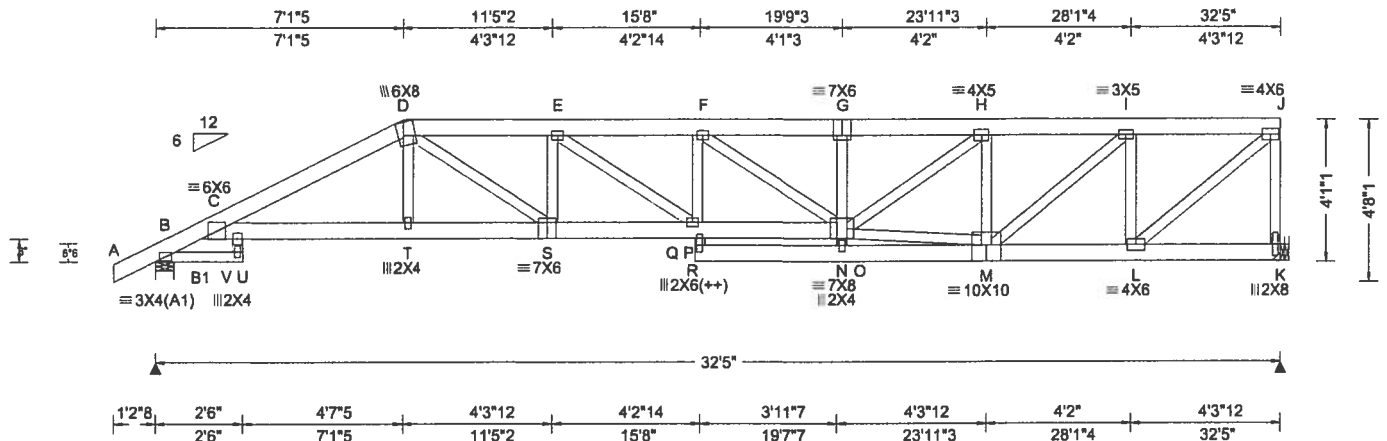
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, 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 this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCEA: www.sbceaindustry.com; ICC: www.iccsafe.org

ALPINE
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SEQN: 290322 FROM: CDM	HIPM Qty: 1	Ply: 2	Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: C06	Cust: R 215 JRef: 1WPc2150002 T18 DrwNo: 287.19.1105.56457 / YK 10/14/2019
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.24 ft Loc. from endwall: not in 13.00 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg 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): 0.207 Q 999 240 VERT(CL): 0.416 Q 930 180 HORZ(LL): 0.121 K - - HORZ(TL): 0.244 K - - Creep Factor: 2.0 Max TC CSI: 0.628 Max BC CSI: 0.676 Max Web CSI: 0.825 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL B 2502 - / - / - / - / 615 - / - K 2568 - / - / - / - / 668 - / - Wind reactions based on MWFRS B Brg Width = 6.0 Min Req = 1.5 K Brg Width = - 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. Chords Tens. Comp.
				Non-Gravity B - C 188 -747 F - G 907 -3521 C - D 695 -2780 G - H 899 -3491 D - E 823 -3245 H - I 584 -2254 E - F 910 -3546 I - J 341 -1318

Lumber

Top chord 2x6 SP 2400f-2.0E
Bot chord 2x6 SP 2400f-2.0E
:B1 2x4 SP #2:
Webs 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 62 plf at -1.21 to 62 plf at 7.11
TC: From 31 plf at 7.11 to 31 plf at 32.42
BC: From 4 plf at -1.21 to 4 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 7.14
BC: From 10 plf at 7.14 to 10 plf at 32.42
TC: 158 lb Conc. Load at 7.14
TC: 138 lb Conc. Load at 9.17,11.17,13.17,15.17
TC: 141 lb Conc. Load at 17.17,19.17,21.17,23.17
25.17,27.17,29.17,31.17
BC: 368 lb Conc. Load at 7.14
BC: 98 lb Conc. Load at 9.17,11.17,13.17,15.17
BC: 96 lb Conc. Load at 17.17,19.17,21.17,23.17
25.17,27.17,29.17,31.17

Plating Notes

All plates are 3X4 except as noted.

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

Hangers / Ties

(J) Hanger Support Required, by others

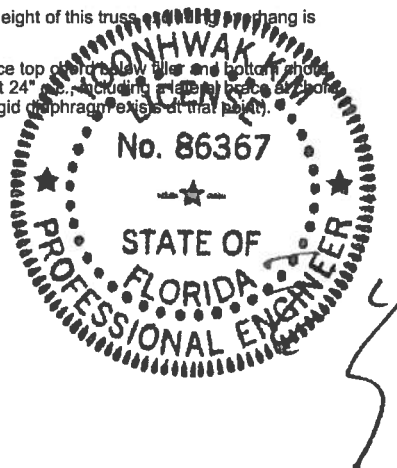
Wind

Wind loads and reactions based on MWFRS.
Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information
The overall height of this truss is 4'-11".

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at both ends (If no rigid diaphragm exists at that point).



COA #0-278
10/14/2019

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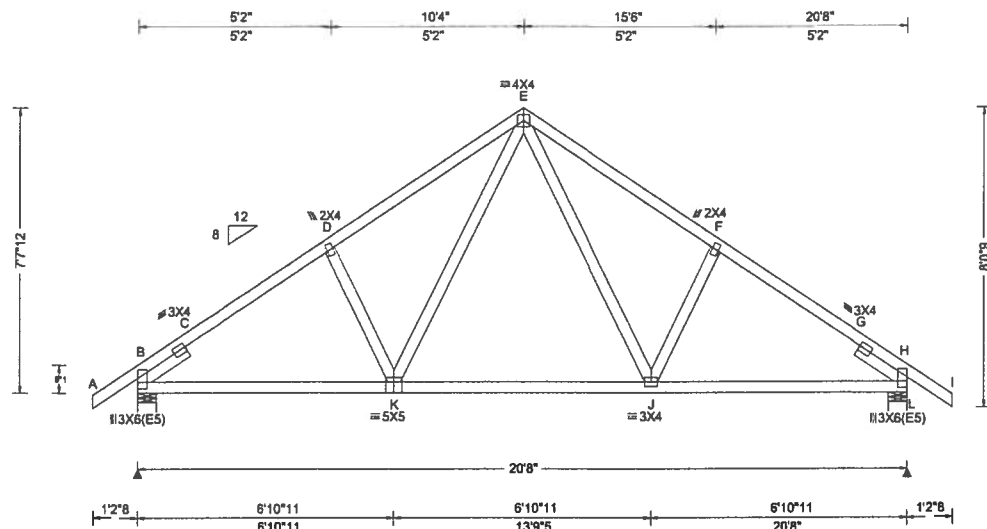
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ALPINE
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SEQN: 656549 FROM: CDM	COMN Ply: 1 Qty: 12	Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: D01	Cust: R 215 JRef: 1WPC2150002 T17 DrwNo: 287.19.1105.57657 / YK 10/14/2019
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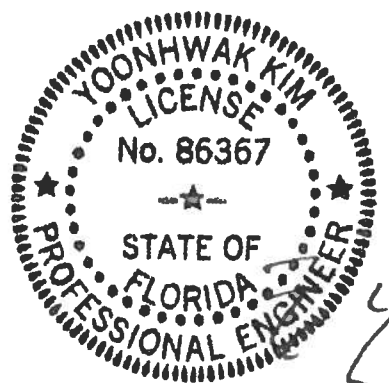
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 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 Code / Misc Criteria Bldg 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): 0.032 J 999 240 VERT(CL): 0.062 J 999 180 HORZ(LL): 0.014 J - - HORZ(TL): 0.027 J - - Creep Factor: 2.0 Max TC CSI: 0.267 Max BC CSI: 0.580 Max Web CSI: 0.178 VIEW Ver: 18.02.01B.0321.08	Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1013 /- /- /581 /157 /234 L 1013 /- /- /581 /157 /- Wind reactions based on MWFRS B Brg Width = 6.0 Min Req = 1.5 L Brg Width = 6.0 Min Req = 1.5 Bearings B & L 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 246 - 1397 E - F 306 - 1155 C - D 249 - 1255 F - G 250 - 1258 D - E 305 - 1153 G - H 246 - 1398

Lumber
Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.578'
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 1.578'

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.

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 7'-7-12.

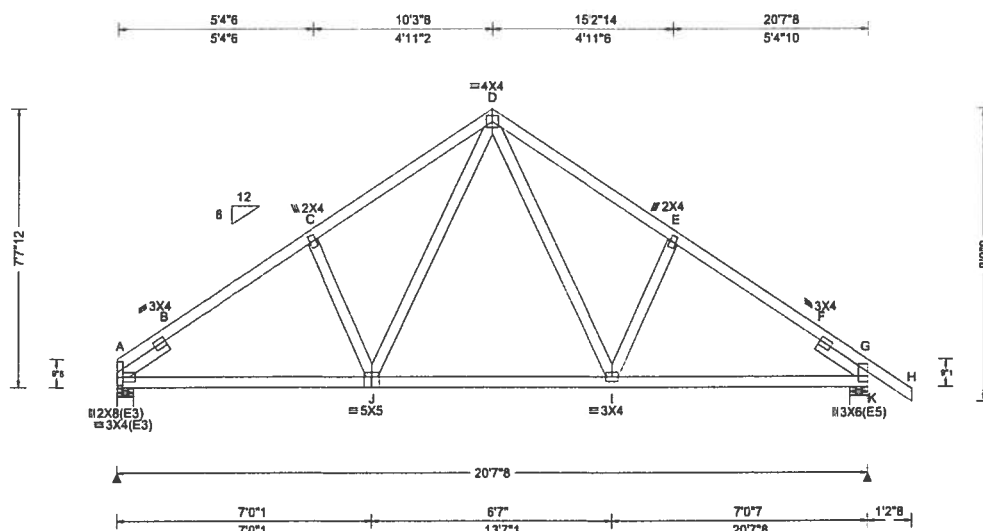


COA #0-278
10/14/2019

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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.com; ICC: www.iccsafe.org

ALPINE
AN ITW COMPANY
6750 Forum Drive
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Orlando FL, 32821

SEQN: 290285 FROM: CDM	COMN Qty: 4	Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: D02	Cust: R 215 JRef: 1WPc2150002 T25 DrwNo: 287.19.1105.58593 / YK 10/14/2019
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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: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 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 Code / Misc Criteria Bldg 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): 0.031 I 999 240 VERT(CL): 0.060 I 999 180 HORZ(LL): 0.017 B - - HORZ(TL): 0.034 B - - Creep Factor: 2.0 Max TC CSI: 0.369 Max BC CSI: 0.563 Max Web CSI: 0.205 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL A 923 /- /- /506 /5 /218 K 1011 /- /- /580 /11 /- Wind reactions based on MWFRS A Brg Width = 5.5 Min Req = 1.5 K Brg Width = 6.0 Min Req = 1.5 Bearings A & K 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. A - B 280 - 1411 D - E 308 - 1143 B - C 259 - 1241 E - F 249 - 1243 C - D 321 - 1143 F - G 246 - 1406 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - J 977 - 117 I - G 978 - 116 J - I 683 - 32 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. J - D 468 - 129 D - I 468 - 125

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.653'
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 1.644'

Loading

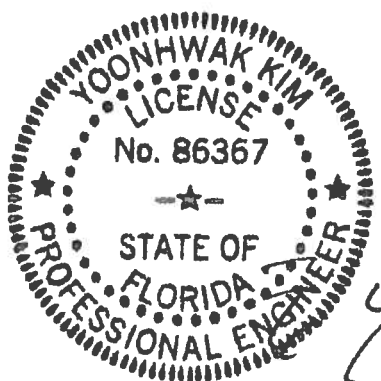
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 7'-7-12.

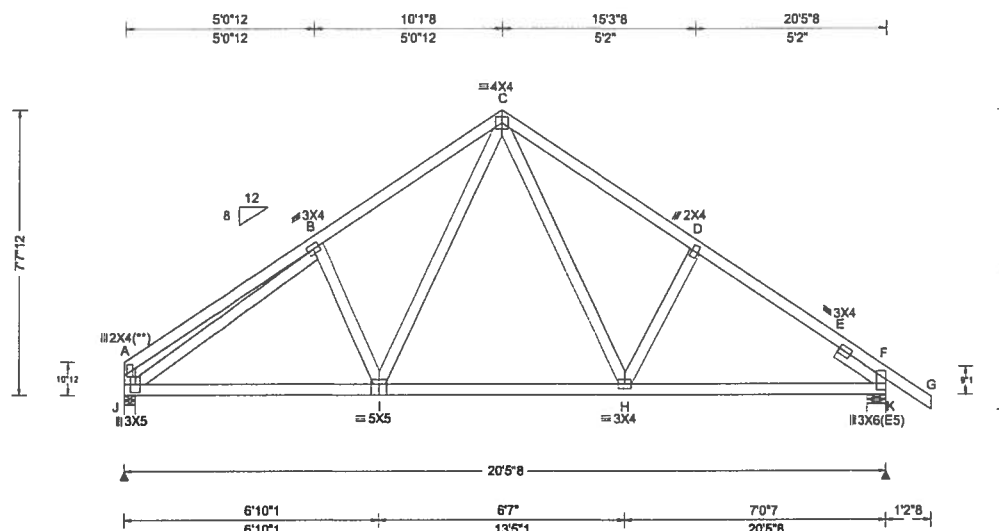


COA #0-278
10/14/2019

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ALPINE
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6750 Forum Drive
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SEQN: 290288 FROM: CDM	SPEC Qty: 2	Ply: 1	Job Number: 19-3559 /HUGHES /ZECHE CONSTRUCTION Truss Label: D03	Cust: R 215 JRef: 1WPc2150002 T51 DrwNo: 287.19.1106.00537 / YK 10/14/2019
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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: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg 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): 0.031 H 999 240 VERT(CL): 0.061 H 999 180 HORZ(LL): 0.014 H - - HORZ(TL): 0.028 H - - Creep Factor: 2.0 Max TC CSI: 0.302 Max BC CSI: 0.557 Max Web CSI: 0.831 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL J 917 - / - / - / 499 - / 216 K 1004 - / - / - / 575 - / - Non-Gravity Wind reactions based on MWFRS J Brg Width = 3.5 Min Req = 1.5 K Brg Width = 6.0 Min Req = 1.5 Bearings J & K 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 312 - 1120 D - E 249 - 1238 C - D 301 - 1129 E - F 248 - 1388

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 1.578'

Plating Notes

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

Loading

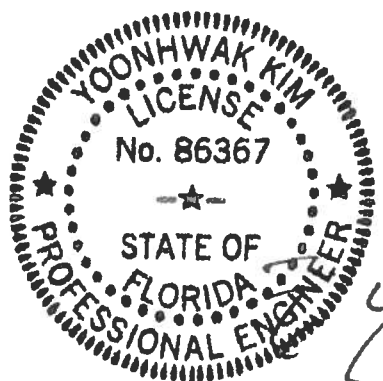
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 7'-7-12.



COA #0-278
10/14/2019

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
J - I	946 - 114	H - F	975 - 119
I - H	673 - 35		

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
J - B	155 - 1092	C - H	456 - 120
I - C	440 - 117		

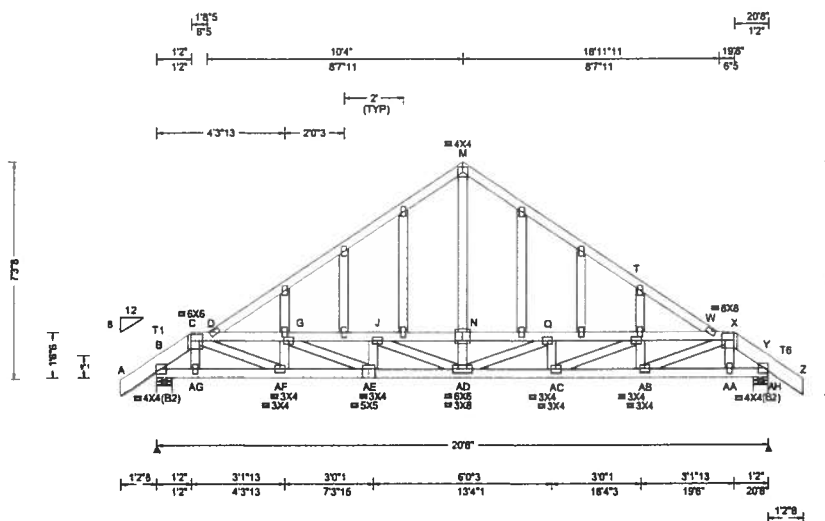
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ALPINE
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SEQN: 656609 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: D04	Cust R 215 JRef 1WPC2150002 T8 DrwNo: 287.19.1106.10133 / YK 10/14/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg 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): 0.085 K 999 240 B U 1471 K 999 180 HORZ(LL): 0.030 H - - HORZ(TL): 0.061 H - - Creep Factor: 2.0 Max TC CSI: 0.658 Max BC CSI: 0.720 Max Web CSI: 0.381 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ /R- /Rh /U /RL B 1472 - /- /- /318 -/ AH 1471 - /- /- /319 -/ Wind reactions based on MWFRS B Brg Width = 6.0 Min Req = 1.7 AH Brg Width = 6.0 Min Req = 1.7 Bearings B & AH 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 372 -1774 M - W 270 -1386 C - D 458 -2303 Q - T 174 -883 D - M 270 -1387 T - W 241 -1164 D - G 239 -1167 W - X 460 -2300 G - J 173 -887 X - Y 373 -1771

Lumber

Top chord 2x4 SP #2
:T1, T6 2x6 SP 2400f-2.0E:
Bot chord 2x4 SP #2
Webs 2x4 SP #3

Special Loads

—(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 64 plf at -1.21 to 64 plf at 1.17
TC: From 32 plf at 1.17 to 32 plf at 19.50
TC: From 64 plf at 19.50 to 64 plf at 21.88
BC: From 5 plf at -1.21 to 5 plf at 0.00
BC: From 10 plf at 0.00 to 10 plf at 20.67
BC: From 5 plf at 20.67 to 5 plf at 21.88
TC: 30 lb Conc. Load at 1.20,19.47
TC: 35 lb Conc. Load at 3.17, 5.17, 7.17, 9.17
10.33,11.50,13.50,15.50,17.50
BC: 69 lb Conc. Load at 1.20,19.47
BC: 35 lb Conc. Load at 3.17, 5.17, 7.17, 9.17
10.33,11.50,13.50,15.50,17.50

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 2.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

Wind loads and reactions based on MWFRS.

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).

Additional Notes

Refer to General Notes for additional information
See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.
The overall height of this truss excluding overhang is 7'-3-8.

Maximum Bot Chord Forces Per Ply (lbs)

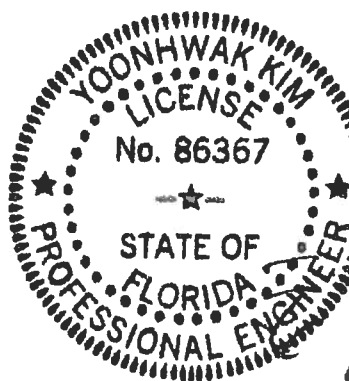
Chords	Tens.Comp.	Chords	Tens. Comp.
B - AG	1321 -274	AD-AC	1903 -371
AG-AF	1311 -268	AC-AB	2303 -463
AF-AE	2307 -461	AB-AA	1310 -268
AE-AD	1906 -370	AA- Y	1319 -275

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - AF	1001 -188	AD- Q	194 -987
G - AE	95 -383	AC- T	96 -383
J - AD	193 -990	AB- X	999 -189
N - AD	941 -147		

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.Comp.
M - N	1076 -180



COA #0-278
10/14/2019

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

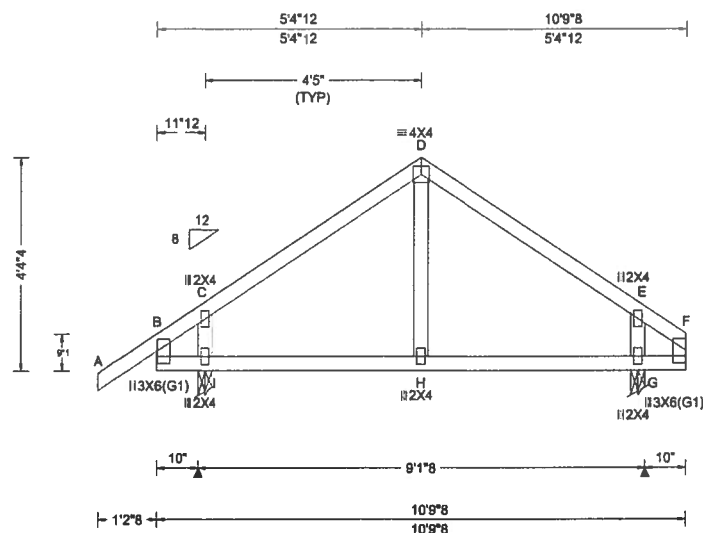
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCEA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation 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.

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SEQN: 656557 FROM: CDM	COMN Qty: 1	Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: G01	Cust: R 215 JRef: 1WPC2150002 T31 DrwNo: 287.19.1106.24360 / YK 10/14/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCCL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Part. Enc. Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.55 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg 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): 0.025 H 999 240 VERT(CL): 0.052 H 999 180 HORZ(LL): -0.023 C - - HORZ(TL): 0.050 C - - Creep Factor: 2.0 Max TC CSI: 0.395 Max BC CSI: 0.476 Max Web CSI: 0.061 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity I 554 /- /- /429 /151 /127 G 449 /- /- /345 /124 /- Wind reactions based on MWFRS I Brg Width = 3.5 Min Req = 1.5 G Brg Width = 3.5 Min Req = 1.5 Bearings I & G 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
:Lt Stub Wedge 2x4 SP #3::Rt Stub Wedge 2x4 SP #3:

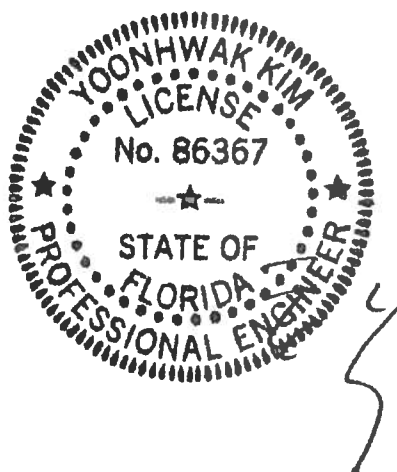
Wind

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

Left and right cantilevers are exposed to wind

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 4'-4".



COA #0-278
10/14/2019

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

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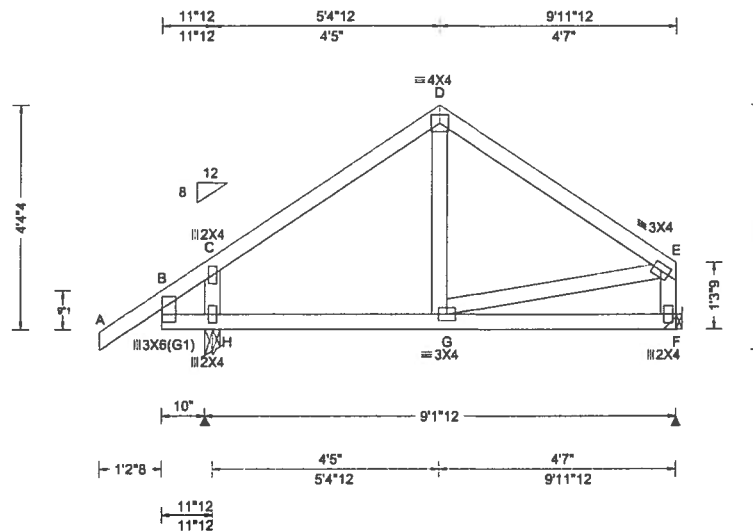
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6750 Forum Drive
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Orlando FL, 32821

SEQN: 656559 FROM: CDM	COMN Qty: 2	Ply: 1 Qty: 2	Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: G02	Cust: R 215 JRef: 1WPC2150002 T38 DrwNo: 287.19.1106.26990 / YK 10/14/2019
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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: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Part. Enc. Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 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: 0.55 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg 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 H 448 240 VERT(CL): 0.054 H 217 180 HORZ(LL): -0.029 C - - HORZ(TL): 0.060 C - - Creep Factor: 2.0 Max TC CSI: 0.413 Max BC CSI: 0.515 Max Web CSI: 0.093 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL H 563 /- /- /436 /153 /116 F 370 /- /- /272 /118 /- Non-Gravity Wind reactions based on MWFRS H Brg Width = 3.5 Min Req = 1.5 F Brg Width = - Min Req = - Bearing H 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
:Lt Stub Wedge 2x4 SP #3:

Hangers / Ties

(J) Hanger Support Required, by others

Wind

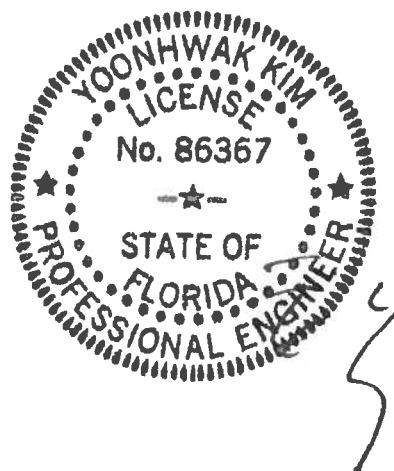
Wind loads based on MWFRS with additional C&C member design.

Left cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 4'-4\"/>



COA #0-278
10/14/2019

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

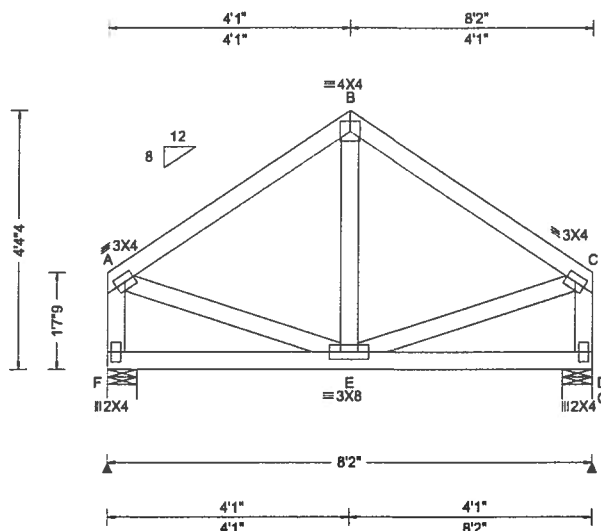
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A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

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SEQN: 656460 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 19-3559 /HUGHES /ZECHE CONSTRUCTION Truss Label: G03	Cust: R 215 JRef: 1WPc2150002 T39 DrwNo: 287.19.1106.28513 / YK 10/14/2019
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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: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 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 Code / Misc Criteria Bldg 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): 0.002 B 999 240 VERT(CL): 0.005 B 999 180 HORZ(LL): 0.001 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.200 Max BC CSI: 0.150 Max Web CSI: 0.078 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL F 343 /- /- /189 /52 /74 G 343 /- /- /184 /52 /- Non-Gravity Wind reactions based on MWFRS F Brg Width = 6.0 Min Req = 1.5 G Brg Width = 6.0 Min Req = 1.5 Bearings F & G are a rigid surface. Members not listed have forces less than 375#

Lumber

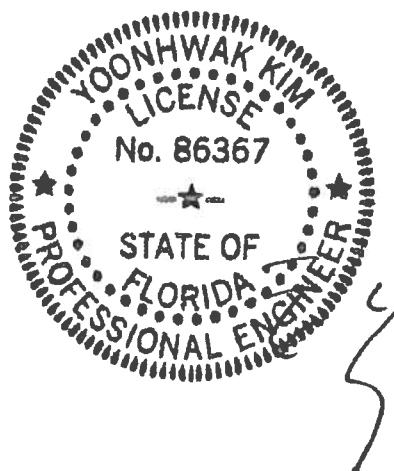
Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3

Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 4-4-4.



COA #0-278
10/14/2019

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

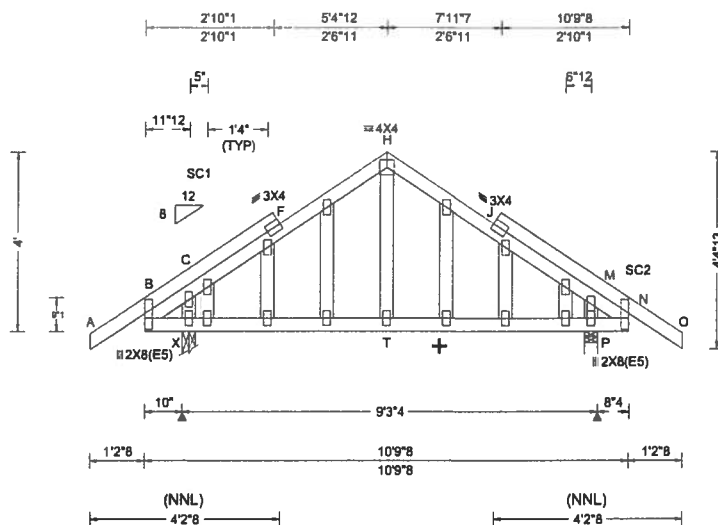
****IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**
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SEQN: 290291 FROM: CDM	GABL Qty: 1	Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: G04	Cust: R 215 JRef: 1WPc2150002 T34 DrwNo: 287.19.1106.45583 / YK 10/14/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Def/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 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 Code / Misc Criteria Bldg 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/def L/# VERT(LL): 0.035 I 999 240 VERT(CL): 0.066 I 999 180 HORZ(LL): -0.024 D - - HORZ(TL): 0.046 D - - Creep Factor: 2.0 Max TC CSI: 0.554 Max BC CSI: 0.793 Max Web CSI: 0.059 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity X 702 /- /- /464 /375 /213 P 680 /- /- /428 /363 /- Wind reactions based on MWFRS X Brg Width = 3.5 Min Req = 1.5 P Brg Width = 3.5 Min Req = 1.5 Bearings X & P 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. C - F 176 -492 J - M 152 -453

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 1-4-0 top chord outlookers and cladding load not to exceed 2.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

In lieu of structural panels use purlins to brace TC @ 24" oc.

Wind

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

Left and right cantilevers are exposed to wind

+ Member to be laterally braced for out of plane wind loads

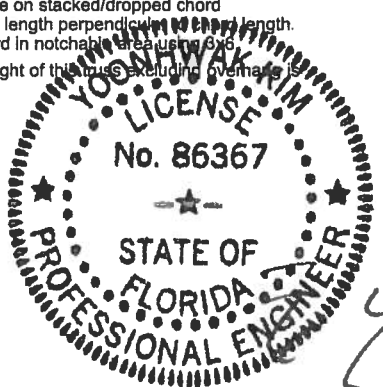
Additional Notes

Refer to General Notes for additional information

See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.

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

The overall height of the truss excluding overhang is 4'-0-0.



COA #0-278
10/14/2019

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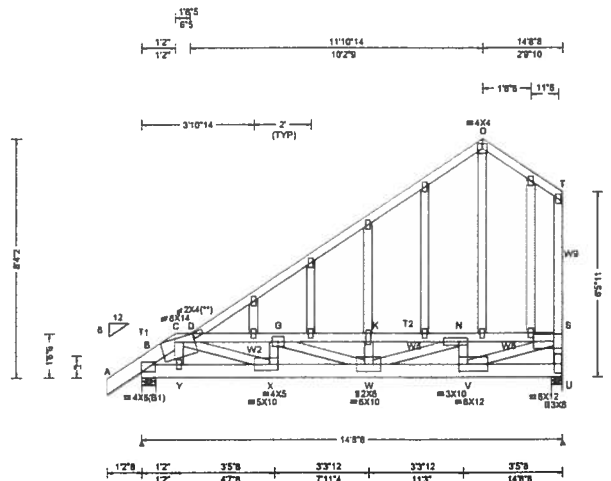
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 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 Code / Misc Criteria Bldg 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): 0.256 K 683 240 VERT(CL): 0.514 K 339 180 HORZ(LL): 0.165 T - - HORZ(TL): 0.332 T - - Creep Factor: 2.0 Max TC CSI: 0.623 Max BC CSI: 0.879 Max Web CSI: 0.660 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 4698 - / - / - /1074 - U 5621 - / - / - /1134 - Wind reactions based on MWFRS B Brg Width = 6.0 Min Req = 1.9 U Brg Width = 4.5 Min Req = 2.3 Bearings B & U 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 675 - 2969 G - K 1925 - 9007 C - D 1672 - 7479 K - N 1926 - 9012 D - G 1651 - 7396 N - S 1251 - 6081

Lumber
Top chord 2x4 SP #2
:T1 2x6 SP 2400f-2.0E:
:T2 2x4 SP M-31:
Bot chord 2x6 SP 2400f-2.0E
Webs 2x4 SP #3
:W2, W8, W9 2x4 SP M-31:
:W6 2x4 SP #2:

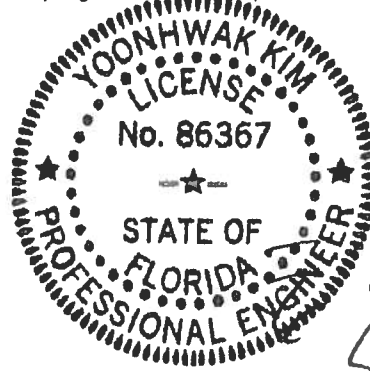
Nailnote
Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 5.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Plating Notes
All plates are 2X4 except as noted.
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Loading
Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 2.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind
Wind loads and reactions based on MWFRS.
Right end vertical not exposed to wind pressure.

Additional Notes
Refer to General Notes for additional information
See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.
The overall height of this truss excluding overhang is 8-4-2.
Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (if no rigid diaphragm exists at that point).



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10/14/2019

Chords	Tens.Comp.	Chords	Tens. Comp.
B - Y	2148 - 488	X - W	7616 - 1697
Y - X	2142 - 484	W - V	6339 - 1313

Webs	Tens.Comp.	Webs	Tens. Comp.
C - X	5618 - 1248	N - V	202 - 794
X - G	115 - 569	V - S	6799 - 1401
G - W	1565 - 261	S - U	503 - 2432
W - N	2925 - 669		

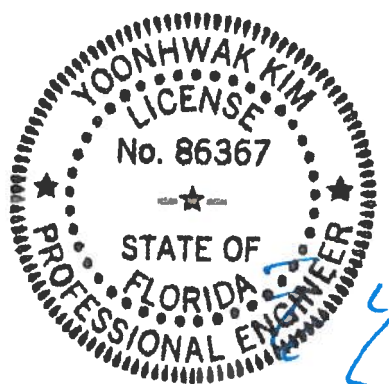
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 290328	GABL	Ply: 2	Job Number: 19-3559	Cust: R 215 JRef: 1WPC2150002 T16
FROM: CDM		Qty: 1	/HUGHES /ZECHER CONSTRUCTION	DrwNo: 287.19.1107.04083
Page 2 of 2			Truss Label: H01	/ YK 10/14/2019

Special Loads

--- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
 TC: From 64 plf at -1.21 to 64 plf at 1.17
 TC: From 32 plf at 1.17 to 32 plf at 14.42
 TC: From 64 plf at 14.42 to 64 plf at 14.71
 BC: From 5 plf at -1.21 to 5 plf at 0.00
 BC: From 10 plf at 0.00 to 10 plf at 14.71
 TC: 65 lb Conc. Load at 1.19
 TC: 70 lb Conc. Load at 3.23, 5.23, 7.23, 9.23
 11.23
 TC: 35 lb Conc. Load at 13.23
 BC: 104 lb Conc. Load at 1.19
 BC: 70 lb Conc. Load at 3.23, 5.23, 7.23, 9.23
 11.23
 BC: 2568 lb Conc. Load at 5.13
 BC: 1327 lb Conc. Load at 7.06, 9.06
 BC: 1329 lb Conc. Load at 11.06
 BC: 1331 lb Conc. Load at 13.06
 BC: 35 lb Conc. Load at 13.23



COA #0-278
10/14/2019

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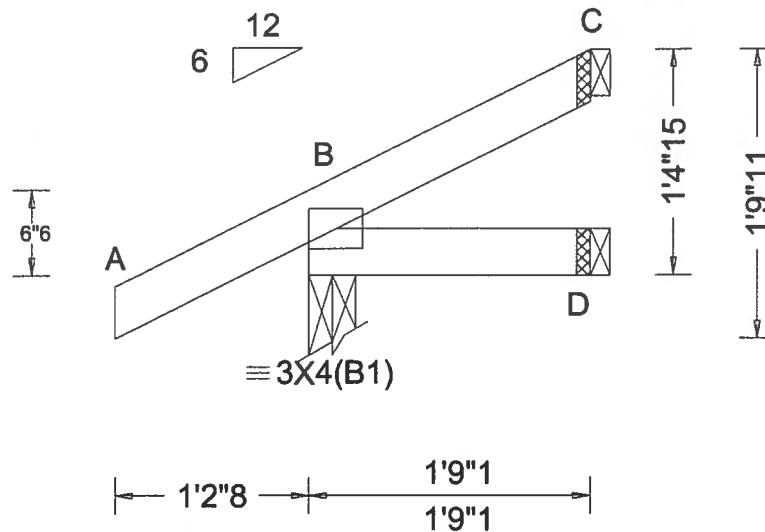
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 6750 Forum Drive
 Suite 305
 Orlando FL, 32821

SEQN: 656457 FROM: CDM	JACK Qty: 3	Ply: 1	Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: J01	Cust: R 215 JRef: 1WPc2150002 T42 DrwNo: 287.19.1107.10150 / YK 10/14/2019
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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: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 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 Code / Misc Criteria Bldg 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): -0.000 C - - HORZ(TL): 0.001 C - - Creep Factor: 2.0 Max TC CSI: 0.210 Max BC CSI: 0.027 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 190 /- /- /142 /33 /42 D 30 /- /- /23 /1 /- C 24 /- /- /15 /14 /- 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

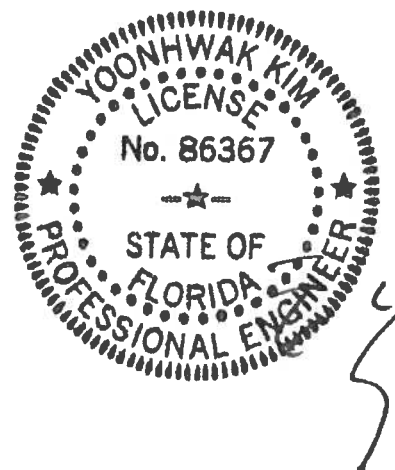
Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 1-4-15.

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0-278
10/14/2019

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

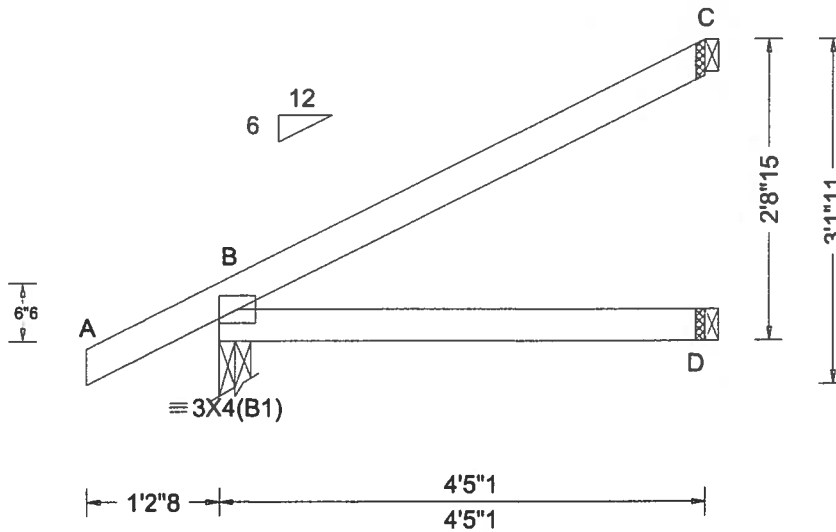
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ALPINE
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SEQN: 656445 FROM: CDM	JACK Qty: 2	Ply: 1	Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: J02	Cust: R 215 JRef: 1WPc2150002 T14 DrwNo: 287.19.1107.12990 / YK 10/14/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	B	279	/-	/-	/197	/37	/80
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	D	83	/-	/-	/56	/-	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.002 D - -	C	119	/-	/-	/58	/48	/-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.005 D - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	B	Brg Width = 3.5		Min Req = 1.5			
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.371	D	Brg Width = 1.5		Min Req = -			
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.212	C	Brg Width = 1.5		Min Req = -			
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.000	Bearing B is a rigid surface.						
	C&C Dist a: 3.00 ft			Members not listed have forces less than 375#						
	Loc. from endwall: Any									
	GCpl: 0.18									
	Wind Duration: 1.60									

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2

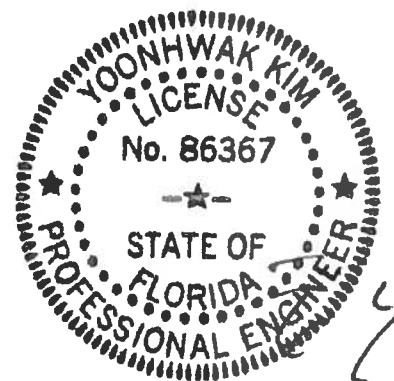
Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 2'-8"-15".

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.

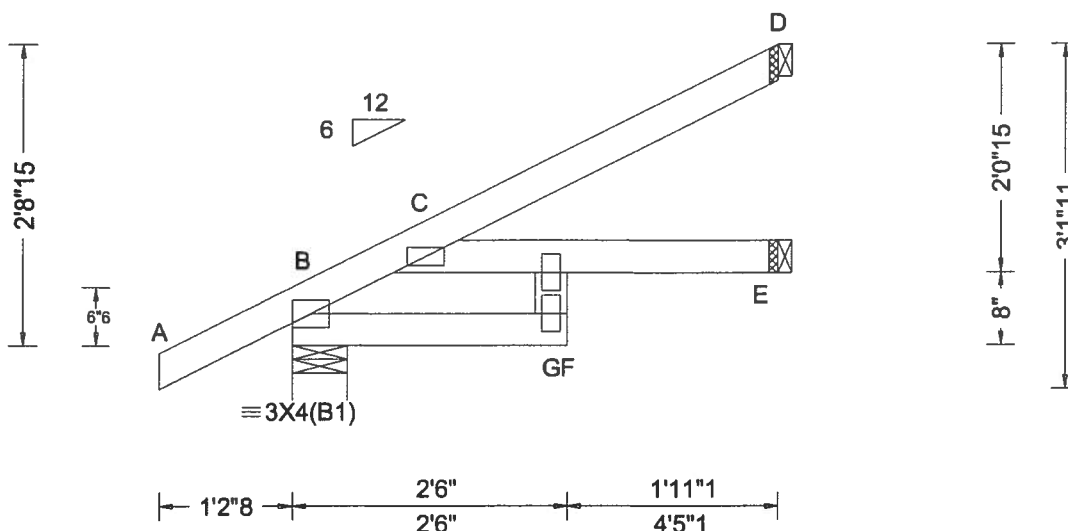


COA #0-278
10/14/2019

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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ALPINE
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SEQN: 290297 FROM: CDM	JACK Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: J03	Cust: R 215 JRef: 1WPc2150002 T21 DrwNo: 287.19.1107.15860 / YK 10/14/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.020 F 999 240	B	279	/-	/-	/197	/37	/80
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.037 F 999 180	E	78	/-	/-	/54	/1	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.011 G - -	D	116	/-	/-	/60	/44	/-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.021 G - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	B	Brg Width = 6.0			Min Req = 1.5		
Soffit: 2.00	TCDL: 5.0 psf	Code / Misc Criteria	Max TC CSI: 0.313	E	Brg Width = 1.5			Min Req = -		
Load Duration: 1.25	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max BC CSI: 0.175	D	Brg Width = 1.5			Min Req = -		
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max Web CSI: 0.096	Bearing B is a rigid surface.						
	C&C Dist a: 3.00 ft	Rep Fac: Yes		Members not listed have forces less than 375#						
	Loc. from endwall: Any	FT/RT:20(0)/10(0)								
	GCpi: 0.18	Plate Type(s):								
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08							

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Wind

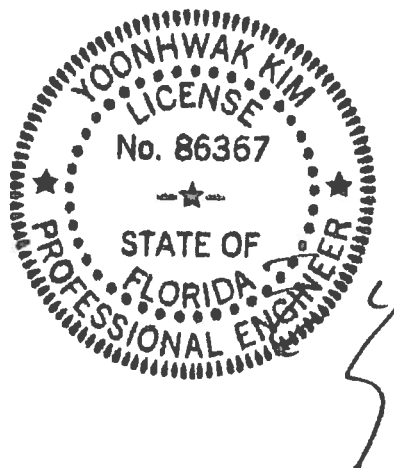
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 2-8-15.

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0-278
10/14/2019

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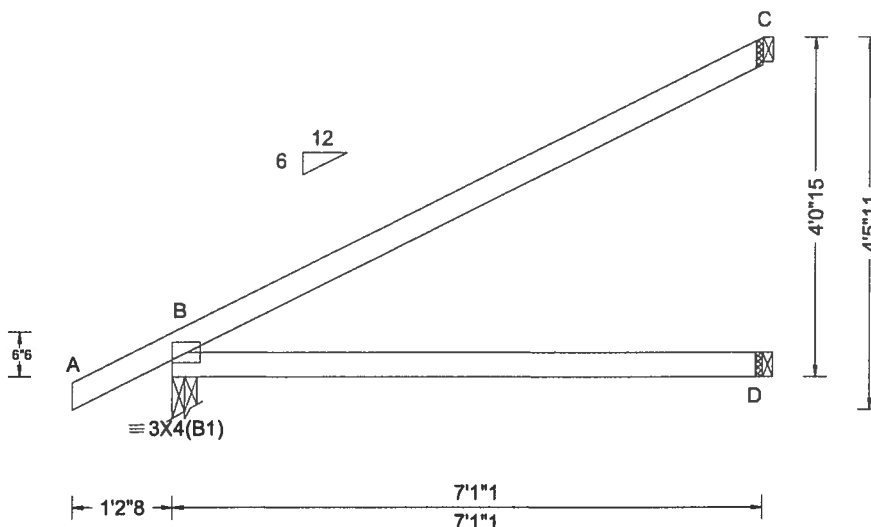
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ALPINE
AN ITW COMPANY
6750 Forum Drive
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SEQN: 656434 FROM: CDM	JACK Qty: 1	Ply: 1	Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: J04	Cust: R 215 JRef: 1WPC2150002 T6 DrwNo: 287.19.1107.18607 / YK 10/14/2019
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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: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 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 Code / Misc Criteria Bldg 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): 0.012 D - - HORZ(TL): 0.024 D - - Creep Factor: 2.0 Max TC CSI: 0.817 Max BC CSI: 0.561 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL B 384 /- /- /265 /45 /118 D 135 /- /- /93 /- /- C 199 /- /- /100 /77 /- Non-Gravity 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

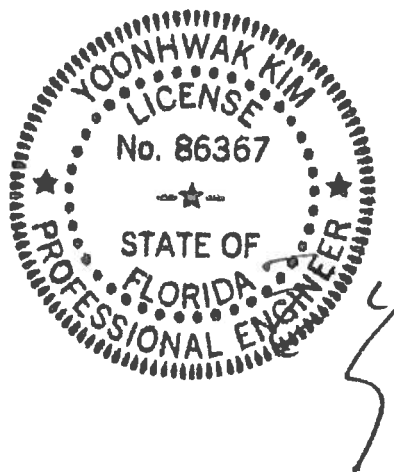
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 4'-0"-15".

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0-278
10/14/2019

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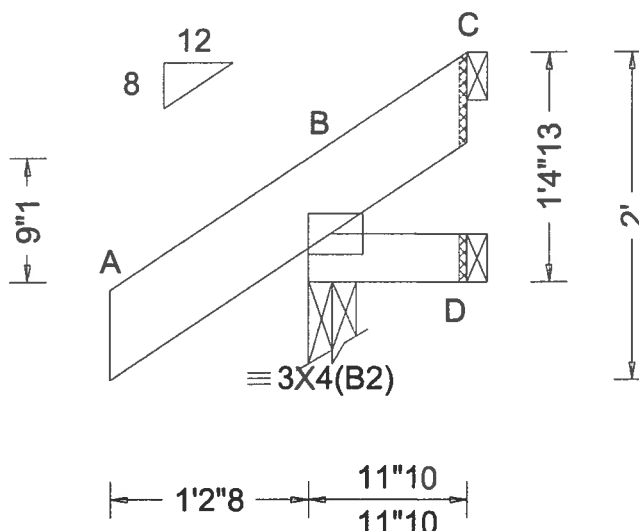
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AN ITW COMPANY
6750 Forum Drive
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SEQN: 290301 FROM: CDM	JACK Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3559 /HUGHES /ZECHE CONSTRUCTION Truss Label: J05	Cust: R 215 JRef: 1WPc2150002 T46 DrwNo: 287.19.1107.22127 / YK 10/14/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCCL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 5.0 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 Code / Misc Criteria Bldg 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): NA VERT(CL): NA HORZ(LL): -0.000 C - - HORZ(TL): 0.001 C - - Creep Factor: 2.0 Max TC CSI: 0.021 Max BC CSI: 0.010 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 189 /- /- /150 /35 /41 D 16 /- /- /11 /- /- C - /-30 /- /16 /31 /- 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 2x6 SP 2400f-2.0E
Bot chord 2x4 SP #2

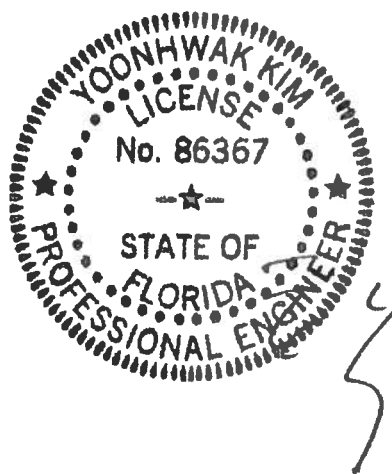
Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 1'-4"-13.

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0-278
10/14/2019

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

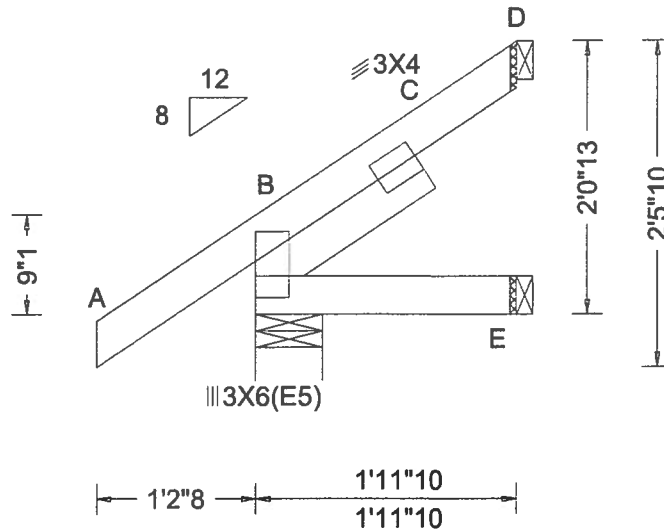
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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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.com; ICC: www.iccsafe.org

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

SEQN: 656579 FROM: CDM	JACK Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3559 /HUGHES /ZECHE CONSTRUCTION Truss Label: J06	Cust: R 215 JRef: 1WPc2150002 T24 DrwNo: 287.19.1107.27920 / YK 10/14/2019
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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: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 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 Code / Misc Criteria Bldg 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 C - - HORZ(TL): 0.001 C - - Creep Factor: 2.0 Max TC CSI: 0.116 Max BC CSI: 0.034 Max Web CSI: 0.018 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 191 /- /- /145 /19 /60 E 37 /- /- /26 /- /- D 37 /- /- /18 /26 /- Wind reactions based on MWFRS B Brg Width = 6.0 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#

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

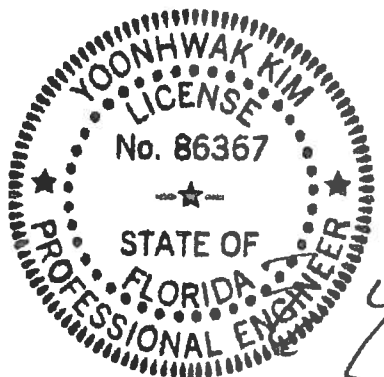
Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 2'-0"-13."

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.

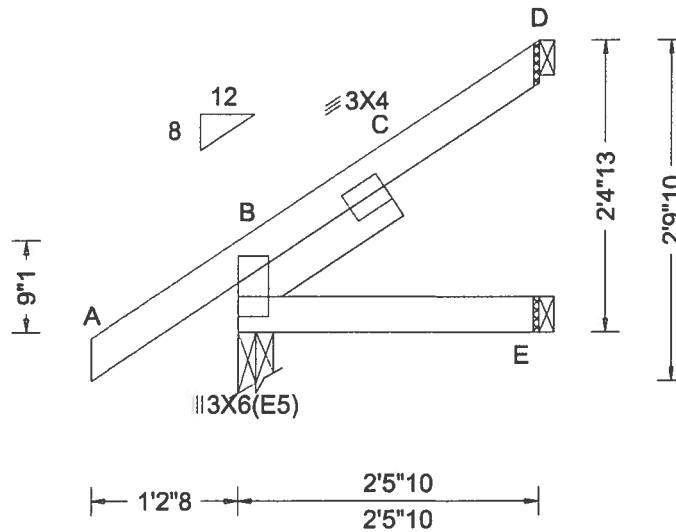


COA #0-278
10/14/2019

****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**
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SEQN: 656581 FROM: CDM	JACK Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: J07	Cust: R 215 JRef: 1WPC2150002 T37 DrwNo: 287.19.1107.30613 / YK 10/14/2019
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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: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 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 Code / Misc Criteria Bldg 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): NA VERT(CL): NA HORZ(LL): -0.002 C - - HORZ(TL): 0.004 C - - Creep Factor: 2.0 Max TC CSI: 0.118 Max BC CSI: 0.057 Max Web CSI: 0.025 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 207 /- /- /154 /18 /69 E 46 /- /- /32 /- /- D 57 /- /- /31 /34 /- 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 is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

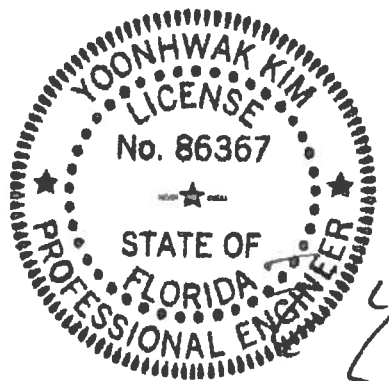
Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 2-4-13.

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.

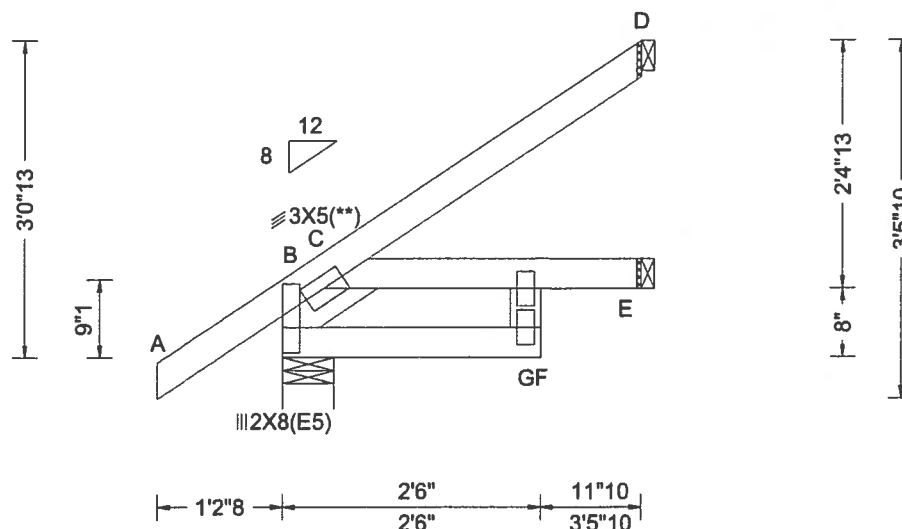


COA #0-278
10/14/2019

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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.
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Suite 305
Orlando FL, 32821

SEQN: 290304 FROM: CDM	JACK Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3559 /HUGHES /ZECHE CONSTRUCTION Truss Label: J08	Cust: R 215 JRef: 1WPC2150002 T12 DrwNo: 287.19.1107.33677 / YK 10/14/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg.Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCCL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 5.0 psf BCCL: 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 Code / Misc Criteria Bldg 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): 0.005 F 999 240 VERT(CL): 0.012 F 999 180 HORZ(LL): -0.004 G - - HORZ(TL): 0.006 G - - Creep Factor: 2.0 Max TC CSI: 0.146 Max BC CSI: 0.105 Max Web CSI: 0.045 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 243 /- /- /177 /17 /88 E 67 /- /- /48 /3 /- D 91 /- /- /52 /45 /- Wind reactions based on MWFRS B Brg Width = 6.0 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#

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3
Lt Slider 2x4 SP #3: BLOCK LENGTH = 0.973'

Plating Notes

All plates are 2X4 except as noted.

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

Wind

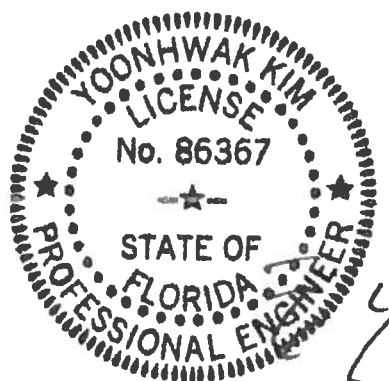
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 3'-0"-13."

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0-278
10/14/2019

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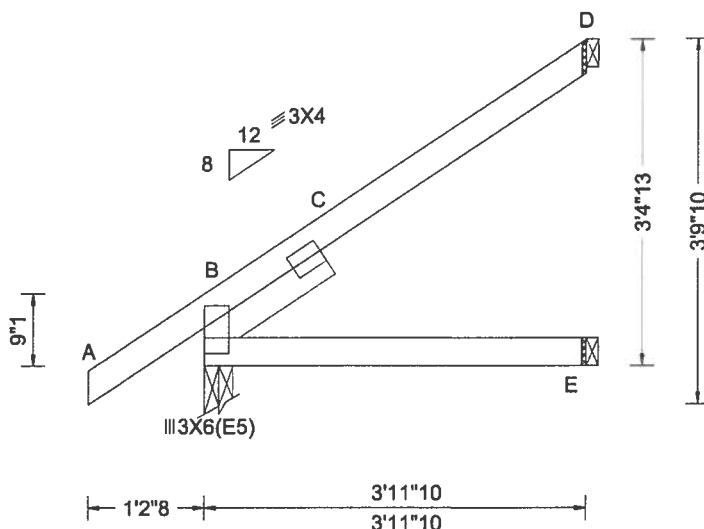
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ALPINE
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Orlando FL, 32821

SEQN: 656586 FROM: CDM	JACK Qty: 1	Ply: 1	Job Number: 19-3559 /HUGHES /ZECHE CONSTRUCTION Truss Label: J09	Cust: R 215 JRef: 1WPc2150002 T10 DrwNo: 287.19.1107.36873 / YK 10/14/2019
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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: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 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 Code / Misc Criteria Bldg 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 C - - HORZ(TL): 0.025 C - - Creep Factor: 2.0 Max TC CSI: 0.228 Max BC CSI: 0.163 Max Web CSI: 0.092 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 263 /- /- /190 /17 /98 E 76 /- /- /53 /0 /- D 109 /- /- /64 /54 /- 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 is a rigid surface. Members not listed have forces less than 375#

Lumber

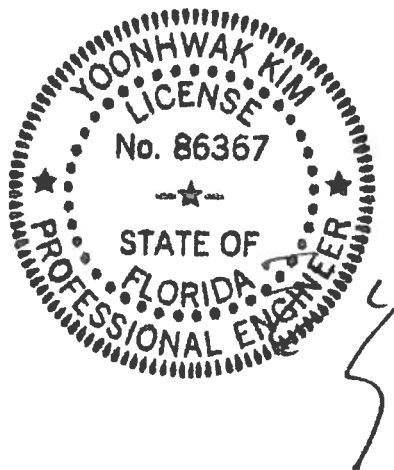
Top chord 2x4 SP #2
Bot chord 2x4 SP #2
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 3-4-13.
Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0-278
10/14/2019

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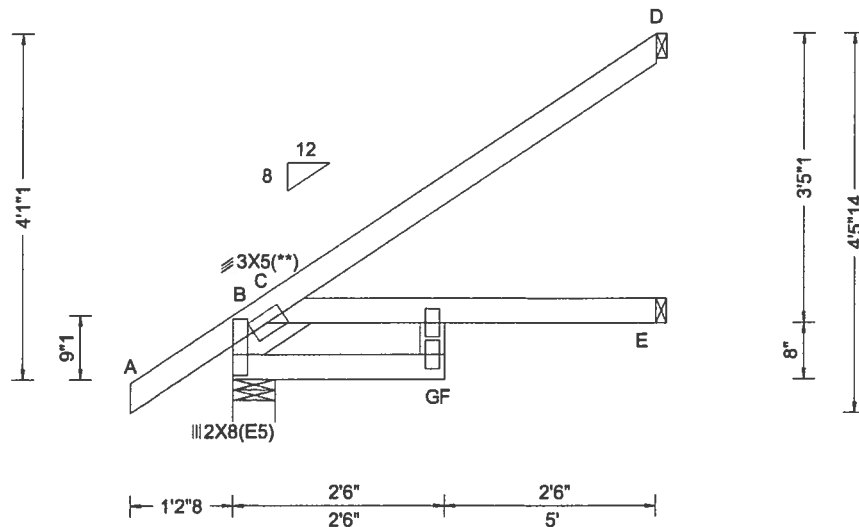
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 290307 FROM: CDM	EJAC Qty: 5	Ply: 1 Qty: 5	Job Number: 19-3559 /HUGHES /ZECHE CONSTRUCTION Truss Label: J10	Cust: R 215 JRef: 1WPC2150002 T35 DrwNo: 287.19.1107.40307 / YK 10/14/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCCL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg 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): 0.029 F 999 240 VERT(CL): 0.069 F 864 180 HORZ(LL): 0.011 G - - HORZ(TL): 0.023 G - - Creep Factor: 2.0 Max TC CSI: 0.359 Max BC CSI: 0.295 Max Web CSI: 0.112 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 303 /- /- /216 /17 /117 E 98 /- /- /71 /4 /- D 138 /- /- /81 /64 /- Wind reactions based on MWFRS B Brg Width = 6.0 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.

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 0.972"

Plating Notes

All plates are 2X4 except as noted.

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

Wind

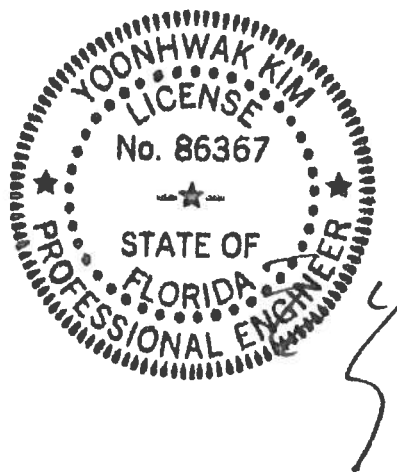
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 4'-1".

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0-278
10/14/2019

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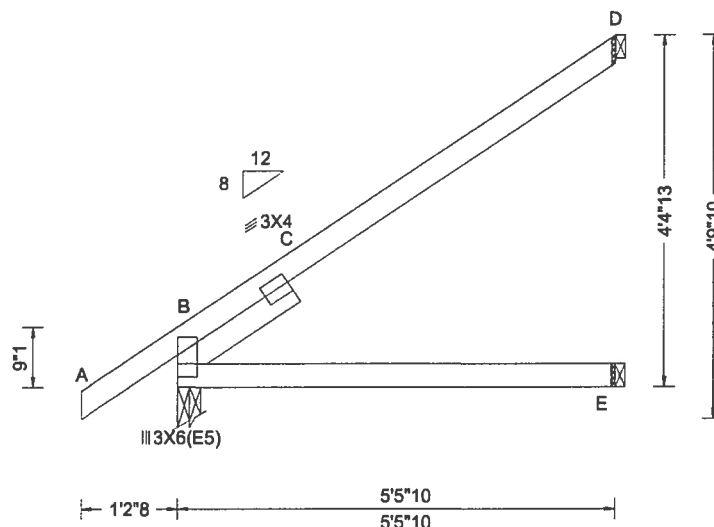
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ALPINE
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SEQN: 656590 FROM: CDM	JACK Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3559 /HUGHES /ZECHE CONSTRUCTION Truss Label: J11	Cust: R 215 JRef: 1WPc2150002 T48 DrwNo: 287.19.1107.44407 / YK 10/14/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCCL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 5.0 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 Code / Misc Criteria Bldg 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): 0.041 C - - HORZ(TL): 0.082 C - - Creep Factor: 2.0 Max TC CSI: 0.488 Max BC CSI: 0.331 Max Web CSI: 0.217 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 322 /- /- /228 /17 /126 E 105 /- /- /75 /1 /- D 155 /- /- /92 /74 /- 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 is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.706'

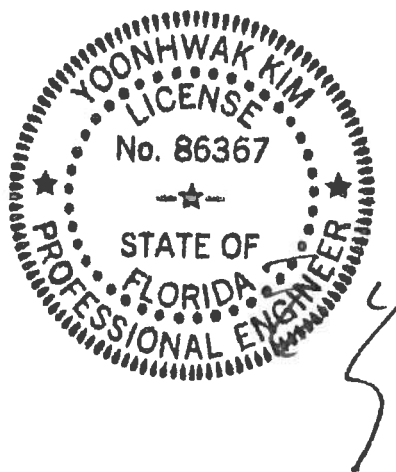
Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 4-4-13.

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0-278
10/14/2019

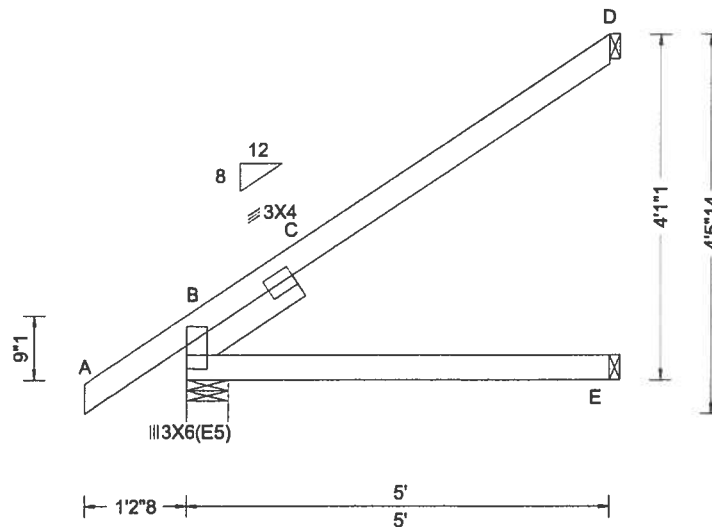
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCE: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 656592 FROM: CDM	EJAC Ply: 1 Qty: 25	Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: J12	Cust: R 215 JRef:1WPc2150002 T29 DrwNo: 287.19.1107.47277 / YK 10/14/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	B	303	/-	/-	/216	/17	/117
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	E	96	/-	/-	/68	/1	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.028 C - -	D	141	/-	/-	/84	/68	/-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.057 C - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	B	Brg Width = 6.0		Min Req = 1.5			
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.396	E	Brg Width = 1.5		Min Req = -			
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.272	D	Brg Width = 1.5		Min Req = -			
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.174	Bearing B is a rigid surface.						
	C&C Dist a: 3.00 ft			Members not listed have forces less than 375#						
	Loc. from endwall: not in 4.50 ft			Maximum Top Chord Forces Per Ply (lbs)						
	GCpi: 0.18			Chords Tens.Comp.						
	Wind Duration: 1.60									
		Code / Misc Criteria								
		Bldg Code: FBC 2017 RES								
		TPI Std: 2014								
		Rep Fac: Yes								
		FT/RT:20(0)/10(0)								
		Plate Type(s):								
		WAVE								
			VIEW Ver: 18.02.01B.0321.08							

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.565'

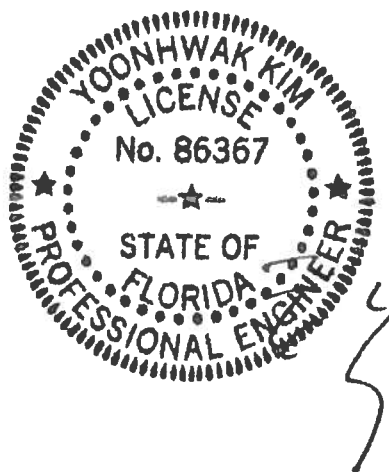
Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 4'-1-1.

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0-278
10/14/2019

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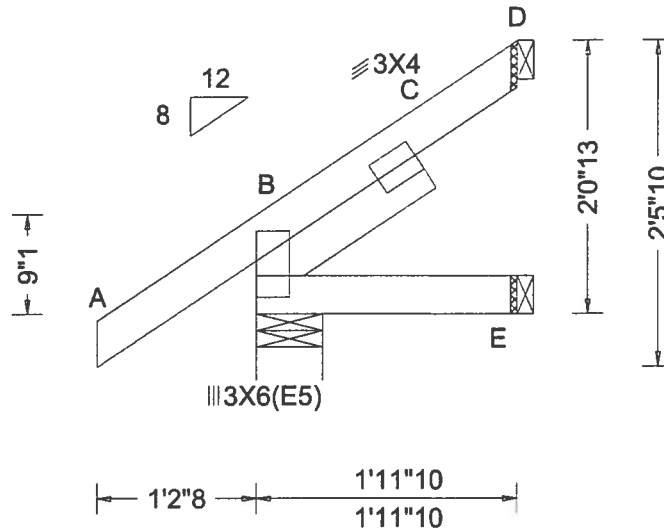
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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ALPINE
AN ITW COMPANY
6750 Forum Drive
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Orlando FL, 32821

SEQN: 656627 FROM: CDM	JACK Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: J13	Cust: R 215 JRef: 1WPc2150002 T54 DrwNo: 287.19.1107.51723 / YK 10/14/2019
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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: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 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 Code / Misc Criteria Bldg 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/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: 0.116 Max BC CSI: 0.034 Max Web CSI: 0.018 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 191 /- /- /145 /19 /60 E 37 /- /- /26 /- /- D 37 /- /- /18 /26 /- Wind reactions based on MWFRS B Brg Width = 6.0 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#

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

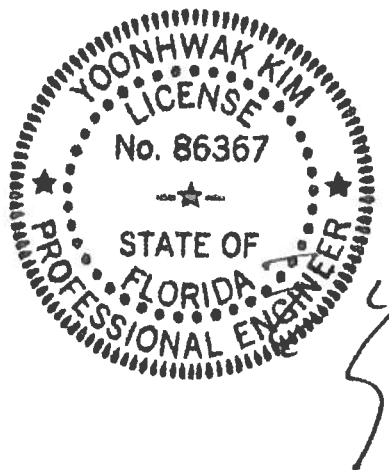
Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 2'-0"-13."

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0-278
10/14/2019

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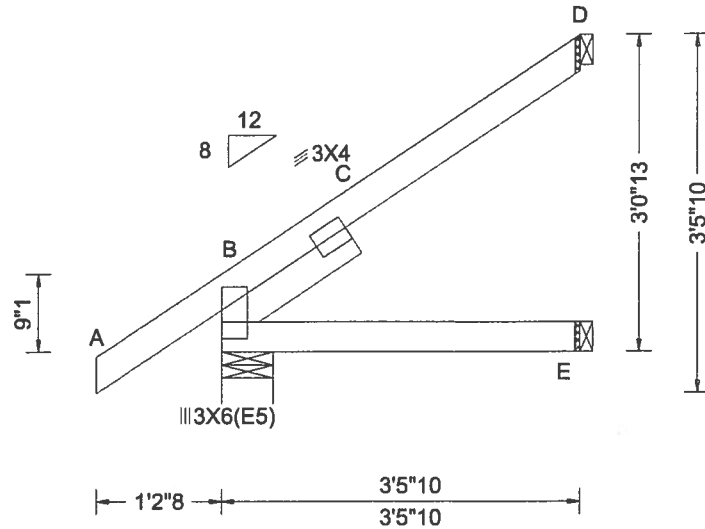
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ALPINE
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Orlando FL, 32821

SEQN: 656596 FROM: CDM	JACK Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: J14	Cust: R 215 JRef: 1WPc2150002 T52 DrwNo: 287.19.1107.54170 / YK 10/14/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	B	243	/-	/-	/177	/17	/88
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	E	66	/-	/-	/46	/-	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.008 C - -	D	93	/-	/-	/53	/48	/-
	EXP: C Kzt: NA		HORZ(TL): 0.015 C - -	Wind reactions based on MWFRS						
Des Ld: 40.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	B	Brg Width = 6.0		Min Req = 1.5			
NCBCLL: 10.00	TCDL: 5.0 psf		Max TC CSI: 0.162	E	Brg Width = 1.5		Min Req = -			
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.121	D	Brg Width = 1.5		Min Req = -			
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.061	Bearing B is a rigid surface.						
Spacing: 24.0 "	C&C Dist a: 3.00 ft			Members not listed have forces less than 375#						
	Loc. from endwall: not in 4.50 ft	TPI Std: 2014								
	GCpi: 0.18	Rep Fac: Yes								
	Wind Duration: 1.60	FT/RT:20(0)/10(0)								
		Plate Type(s):								
		WAVE								
			VIEW Ver: 18.02.01B.0321.08							

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

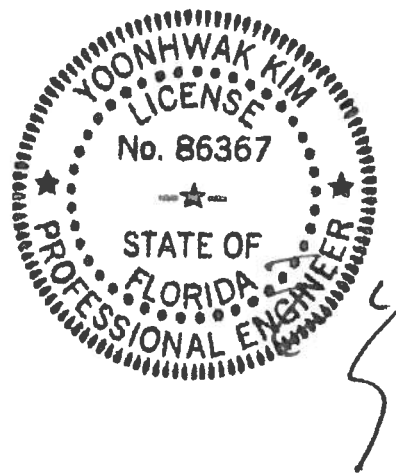
Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 3-0-13.

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0-278
10/14/2019

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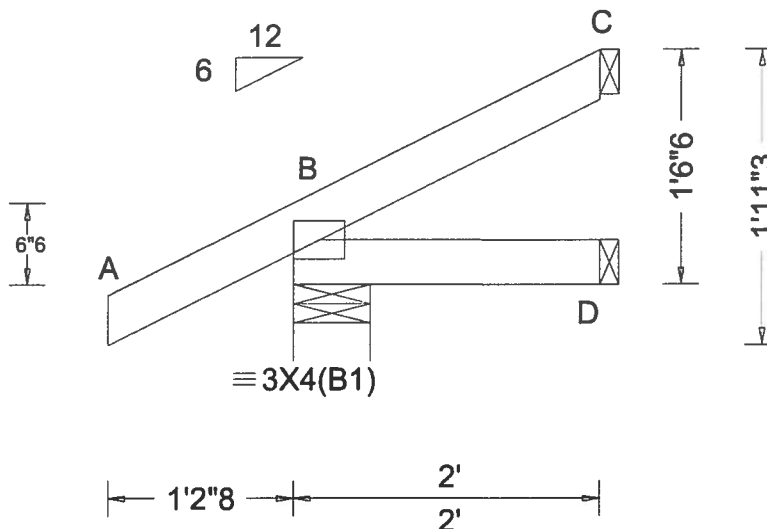
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 656424 FROM: CDM	EJAC Qty: 24	Ply: 1	Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: J15	Cust: R 215 JRef: 1WPc2150002 T33 DrwNo: 287.19.1107.57250 / YK 10/14/2019
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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: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 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 Code / Misc Criteria Bldg 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): NA VERT(CL): NA HORZ(LL): -0.000 C - - HORZ(TL): 0.001 C - - Creep Factor: 2.0 Max TC CSI: 0.210 Max BC CSI: 0.034 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL B 196 /- /- /145 /33 /45 D 35 /- /- /26 /0 /- C 35 /- /- /16 /17 /- Non-Gravity Wind reactions based on MWFRS B Brg Width = 6.0 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

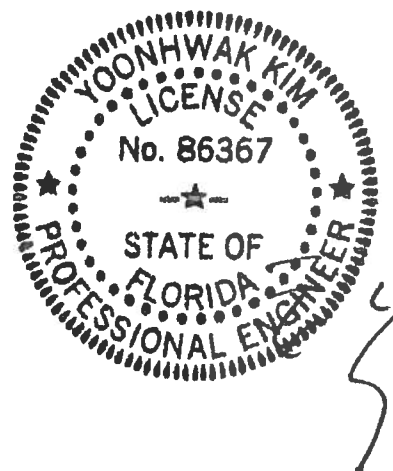
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 1'-6".

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0-278
10/14/2019

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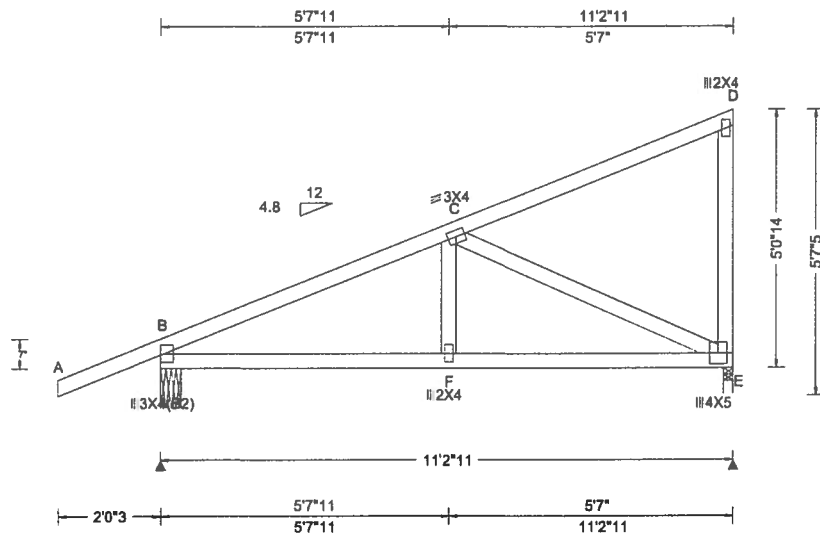
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 290325 FROM: CDM	HIP_ Ply: 1 Qty: 1	Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: JH1	Cust: R 215 JRef: 1WPc2150002 T32 DrwNo: 287.19.1108.06730 / YK 10/14/2019
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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: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 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 Code / Misc Criteria Bldg 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): 0.036 F 999 240 VERT(CL): 0.071 F 999 180 HORZ(LL): 0.011 E - - HORZ(TL): 0.022 E - - Creep Factor: 2.0 Max TC CSI: 0.468 Max BC CSI: 0.425 Max Web CSI: 0.877 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 861 /- /- /- /259 /- E 919 /- /- /- /226 /- Wind reactions based on MWFRS B Brg Width = 4.8 Min Req = 1.5 E Brg Width = 2.3 Min Req = 1.5 Bearings B & E are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 348 - 1324

Lumber

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

Special Loads

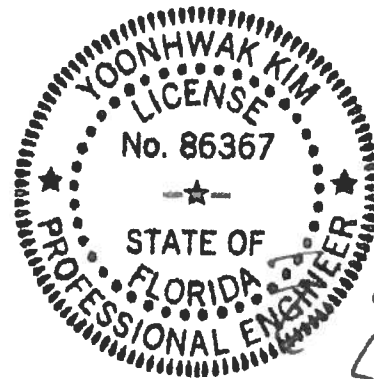
---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 62 plf at -2.01 to 62 plf at 1.60
TC: From 31 plf at 1.60 to 31 plf at 11.22
BC: From 4 plf at -2.01 to 4 plf at 0.00
BC: From 10 plf at 0.00 to 10 plf at 11.22
TC: 24 lb Conc. Load at 1.60
TC: -13 lb Conc. Load at 1.61
TC: 57 lb Conc. Load at 4.11
TC: 119 lb Conc. Load at 4.94
TC: 109 lb Conc. Load at 6.61
TC: 199 lb Conc. Load at 8.27
TC: 155 lb Conc. Load at 9.11
BC: 46 lb Conc. Load at 1.60, 4.11
BC: 83 lb Conc. Load at 4.94
BC: 76 lb Conc. Load at 6.61
BC: 135 lb Conc. Load at 8.27
BC: 105 lb Conc. Load at 9.11

Wind

Wind loads and reactions based on MWFRS.
Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 5'-0"-14".



COA #0-278
10/14/2019

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - F	1172 - 291	F - E	1159 - 293

Maximum Web Forces Per Ply (lbs)	
Webs	Tens.Comp.
C - E	324 - 1279

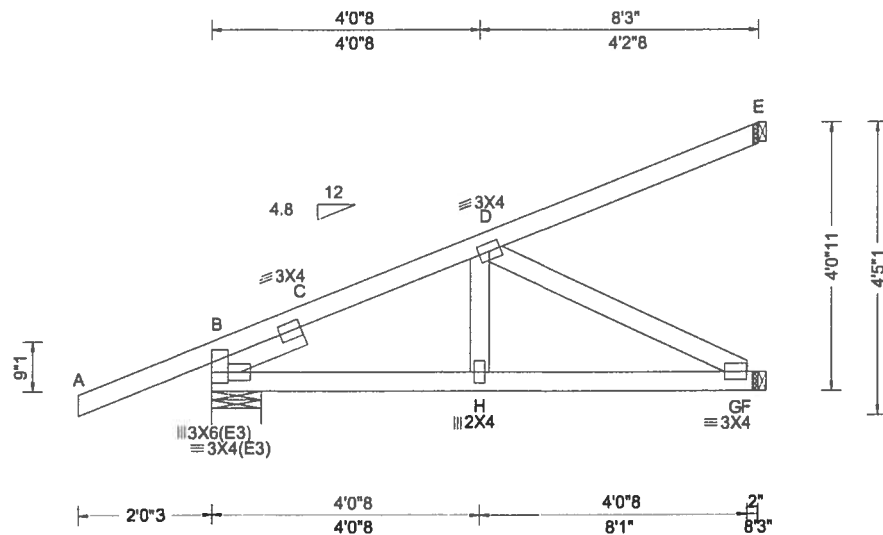
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 656598 FROM: CDM	HIP_ Ply: 1 Qty: 1	Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: JH2	Cust: R 215 JRef: 1WPc2150002 T1 DrwNo: 287.19.1108.17087 / YK 10/14/2019
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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: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 13.00 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg 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): 0.009 H 999 240 VERT(CL): 0.019 H 999 180 HORZ(LL): -0.004 C - - HORZ(TL): 0.009 C - - Creep Factor: 2.0 Max TC CSI: 0.314 Max BC CSI: 0.349 Max Web CSI: 0.189 VIEW Ver: 18.02.01B.0321.08	Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 312 /- /- /- /70 /- F 233 /- /- /- /37 /- E 50 /- /- /- /17 /- Wind reactions based on MWFRS B Brg Width = 9.0 Min Req = 1.5 F Brg Width = 1.5 Min Req = - E 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. Chords Tens. Comp.

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

Special Loads

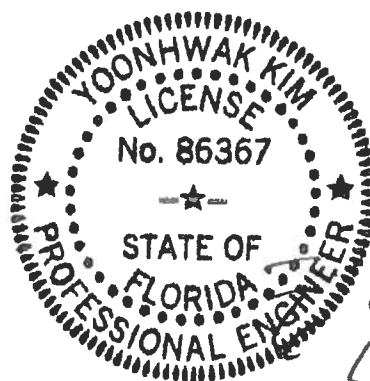
---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 0 plf at -2.01 to 62 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 8.25
BC: From 0 plf at -2.01 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 8.25
TC: 24 lb Conc. Load at 1.60
TC: 37 lb Conc. Load at 3.28
TC: 119 lb Conc. Load at 4.94
TC: 93 lb Conc. Load at 5.78
BC: 30 lb Conc. Load at 1.60
BC: 37 lb Conc. Load at 3.28
BC: 83 lb Conc. Load at 4.94
BC: 66 lb Conc. Load at 5.78

Wind

Wind loads and reactions based on MWFRS.

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 4'-0"-11".
Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



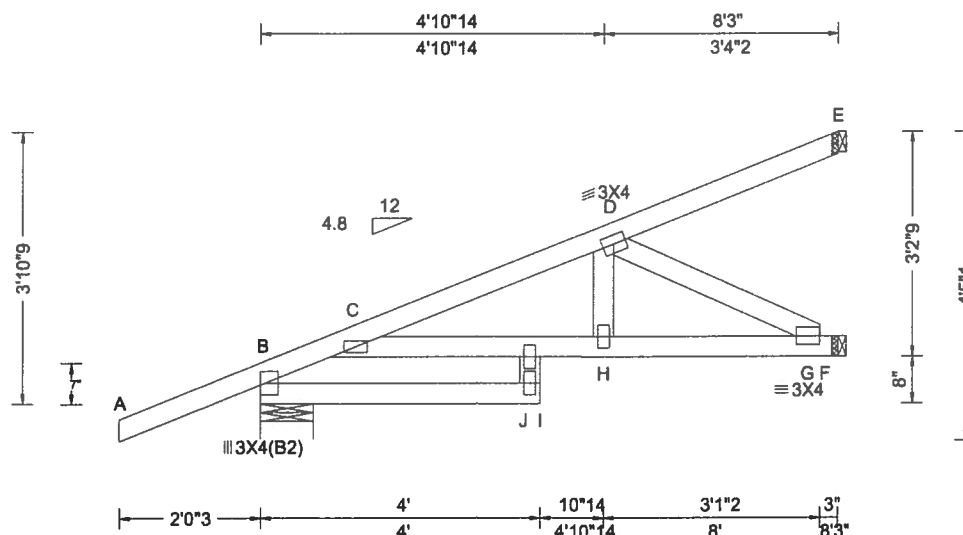
COA #0-278
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B - C	90	-447	C - D	90	-445
Maximum Bot Chord Forces Per Ply (lbs)					
Chords	Tens.Comp.	Chords	Tens. Comp.		
B - H	398	-79	H - G	389	-80
Maximum Web Forces Per Ply (lbs)					
Webs	Tens.Comp.				
D - G	90	-441			

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 290313 FROM: CDM	HIP_ Ply: 1 Qty: 1	Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: JH3	Cust: R 215 JRef: 1WPc2150002 T4 DrwNo: 287.19.1108.19423 / YK 10/14/2019
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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: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 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 Code / Misc Criteria Bldg 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/def L/# VERT(LL): 0.037 J 999 240 VERT(CL): 0.077 J 999 180 HORZ(LL): 0.022 G - - HORZ(TL): 0.045 G - - Creep Factor: 2.0 Max TC CSI: 0.337 Max BC CSI: 0.284 Max Web CSI: 0.170 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 313 /- /- /- /71 /- F 271 /- /0 /- /54 /0 E 21 /- /- /- /0 /- Wind reactions based on MWFRS B Brg Width = 9.0 Min Req = 1.5 F Brg Width = 1.5 Min Req = - E 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.

Lumber

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

Special Loads

—(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 0 plf at -2.01 to 62 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 8.25
BC: From 0 plf at -2.01 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 8.25
TC: 24 lb Conc. Load at 1.60
TC: 37 lb Conc. Load at 3.28
TC: 116 lb Conc. Load at 4.94
TC: 91 lb Conc. Load at 5.78
BC: 30 lb Conc. Load at 1.60
BC: 37 lb Conc. Load at 3.28
BC: 78 lb Conc. Load at 4.94
BC: 67 lb Conc. Load at 5.78

Plating Notes

All plates are 2X4 except as noted.

Wind

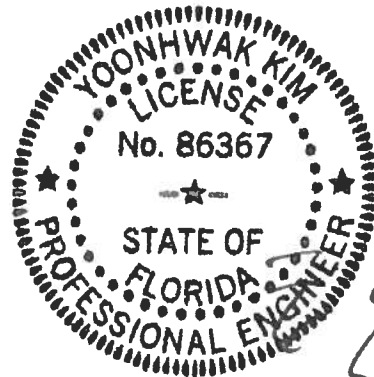
Wind loads and reactions based on MWFRS.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 3-10-9.

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0-278
10/14/2019

C - D 123 - 563

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chords Tens. Comp.

C - J 453 -95 H - G 516 -112
J - H 527 -111

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp.

D - G 126 - 584

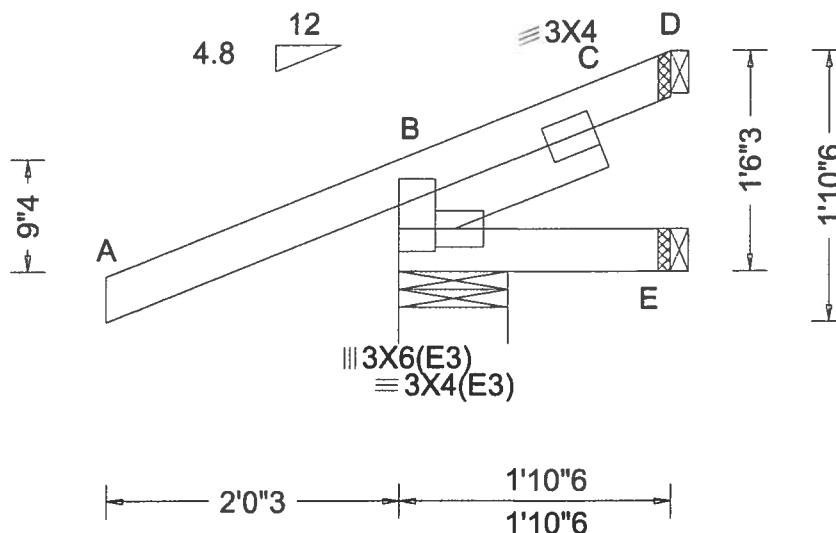
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCEA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation 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.

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SEQN: 656616 FROM: CDM	HIP_ Qty: 3	Ply: 1	Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: JH4	Cust: R 215 JRef: 1WPc2150002 T5 DrwNo: 287.19.1108.39347 / YK 10/14/2019
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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: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 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 Code / Misc Criteria Bldg 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 C - - HORZ(TL): 0.001 C - - Creep Factor: 2.0 Max TC CSI: 0.503 Max BC CSI: 0.029 Max Web CSI: 0.031 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 138 /- /- /199 /75 /44 E 35 /- /- /23 /- /- D - /-21 /- /24 /28 /- Wind reactions based on MWFRS B Brg Width = 9.0 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#

Lumber

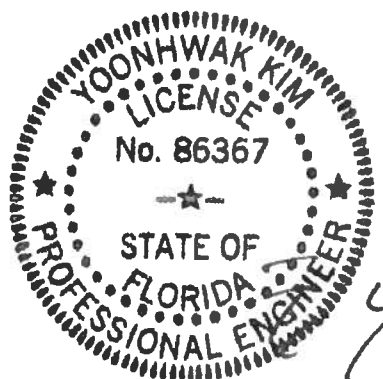
Top chord 2x4 SP #2
Bot chord 2x4 SP #2
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 1-6-3.
Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0-278
10/14/2019

****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**
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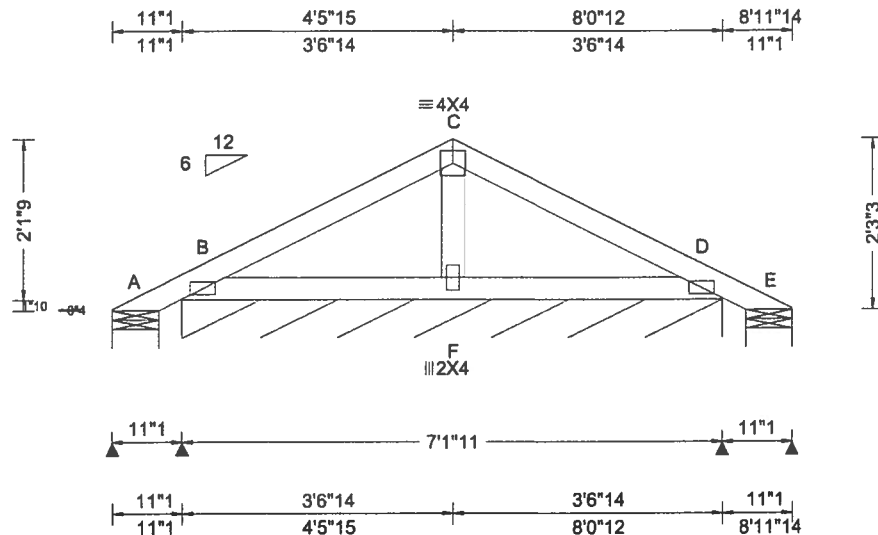
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 656505 FROM: CDM	COMN Ply: 1 Qty: 5	Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: P01	Cust: R 215 JRef: 1WPC2150002 T20 DrwNo: 287.19.1108.42363 / YK 10/14/2019
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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: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.42 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 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 Code / Misc Criteria Bldg 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): 0.002 F 999 240 VERT(CL): 0.004 F 999 180 HORZ(LL): -0.001 F - - HORZ(TL): 0.002 F - - Creep Factor: 2.0 Max TC CSI: 0.134 Max BC CSI: 0.201 Max Web CSI: 0.018 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A - /-47 /- /35 /49 /59 B* 137 /- /- /50 /- /- E - /-48 /- /9 /23 /- Wind reactions based on MWFRS A Brg Width = 7.3 Min Req = 1.5 B Brg Width = 85.7 Min Req = - E Brg Width = 7.3 Min Req = 1.5 Bearings A, B, & E 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

Plating Notes

All plates are 2X4(A1) except as noted.

Loading

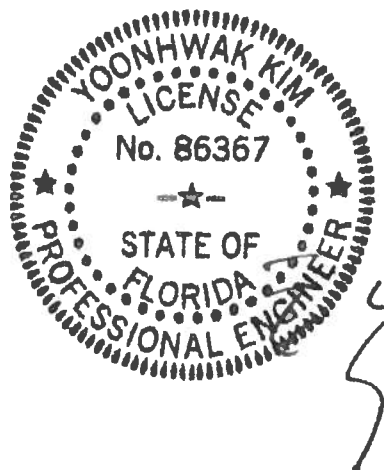
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

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

Additional Notes

Refer to General Notes for additional information
Refer to DWG PB160101014 for piggyback details.
The overall height of this truss excluding overhang is 2'-3".

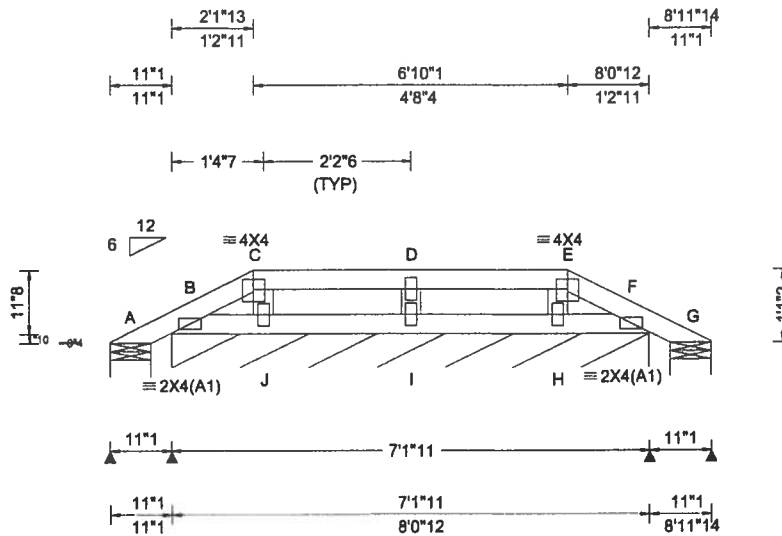


COA #0-278
10/14/2019

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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Orlando FL, 32821

SEQN: 2831 FROM: CDM	HIPS Ply: 1 Qty: 1	Job Number: 19-3559 /HUGHES /ZECHER CONSTRUCTION Truss Label: P02	Cust R 215 JRef:1WPc2150002 T23 DrwNo: 287.19.1109.17010 / YK 10/14/2019
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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: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 1.2 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 Code / Misc Criteria Bldg 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): 0.000 H 999 240 VERT(CL): 0.000 H 999 180 HORZ(LL): 0.000 H - - HORZ(TL): 0.000 H - - Creep Factor: 2.0 Max TC CSI: 0.076 Max BC CSI: 0.020 Max Web CSI: 0.053 VIEW Ver: 19.02.00.0929.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 21 /- /- /21 /9 /24 B* 72 /- /- /47 /24 /- G 21 /- /- /20 /9 /- Wind reactions based on MWFRS A Brg Width = 7.3 Min Req = 1.5 B Brg Width = 85.7 Min Req = - G Brg Width = 7.3 Min Req = 1.5 Bearings A, B, & G 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

Plating Notes

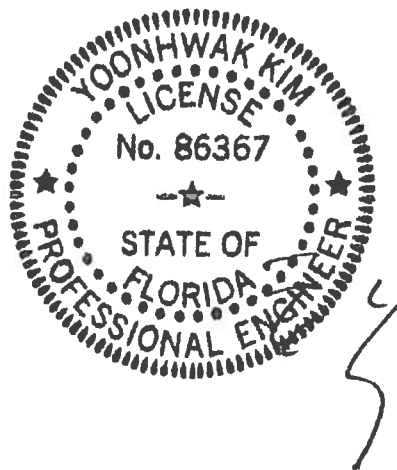
All plates are 2X4 except as noted.

Wind

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

Additional Notes

Refer to General Notes for additional information
Refer to DWG PB160101014 for piggyback details.



COA #0-278
10/14/2019

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

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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.

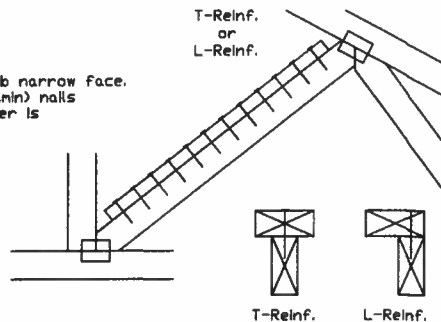
Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf.	Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x6
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6

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.

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

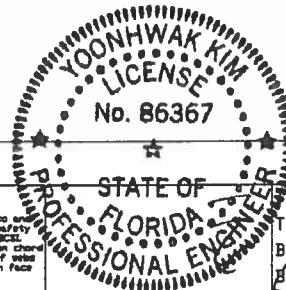
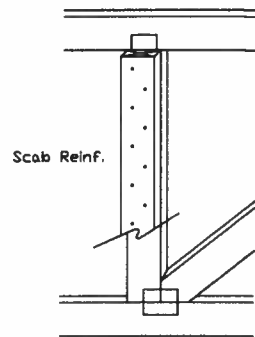
T-Reinforcement or L-Reinforcement:

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.



13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

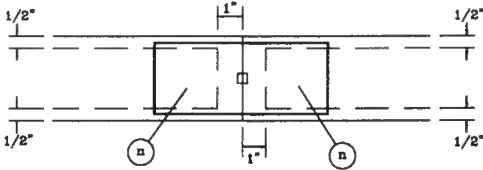
IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of ICC Building Component Safety Information, by TPI and ECA for safety practices prior to performing these functions. Installers shall provide temporary bracing per ICC Building Component Safety Information, by TPI and ECA for safety practices prior to performing these functions. Locations shown for permanent lateral restraint of webs shall have bracing installed per ICC Building Component Safety Information, by TPI and ECA for safety practices prior to performing these functions. Refer to drawings 160A-2 for standard plate positions.
Alpha, 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 AWS/TPI L or for handling, shipping, installation & bracing of trusses.
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For more information see this job's general notes page and these web sites:
ALPINE: www.alpineitw.com TPI: www.tpi.org ECA: www.echindustry.org ICC: www.iccsafe.org

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

COA/RO-278

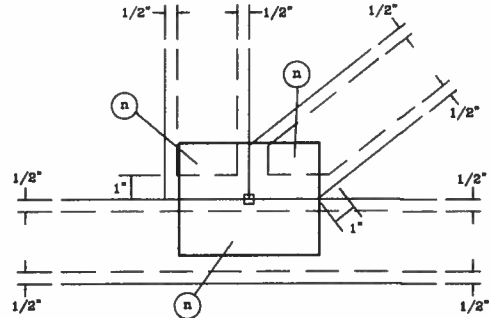
TRULOX INFORMATION DETAIL

TYPICAL OFF PANEL SPLICE

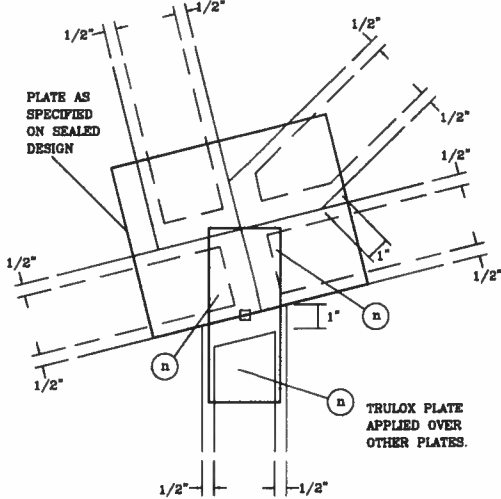


DO NOT APPLY NAILS WITHIN 1/2" OF LUMBER EDGES OR 1" OF LUMBER ENDS ON EACH FACE, AS SHOWN BY DASHED LINES.
NAILS MUST NOT SPLIT LUMBER.

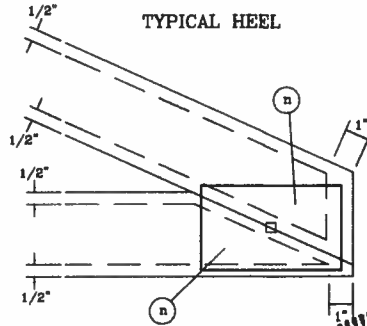
TYPICAL PANEL POINT WITHOUT SPLICE



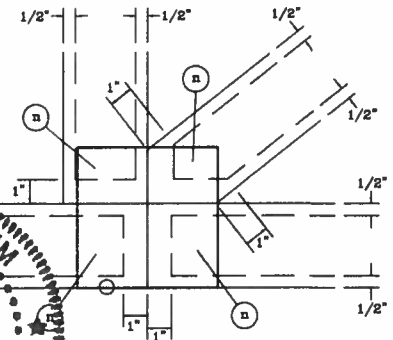
TYPICAL FILLER



TYPICAL HEEL



TYPICAL PANEL POINT SPLICE

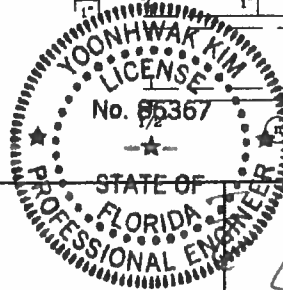


NOTES:

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



13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043



TRULOX PLATING

**160
TL**

PAGE 1 OF 1
DATE 10/01/14

TRULOX
CORP 278

Gable Stud Reinforcement Detail ASCE 7-10 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

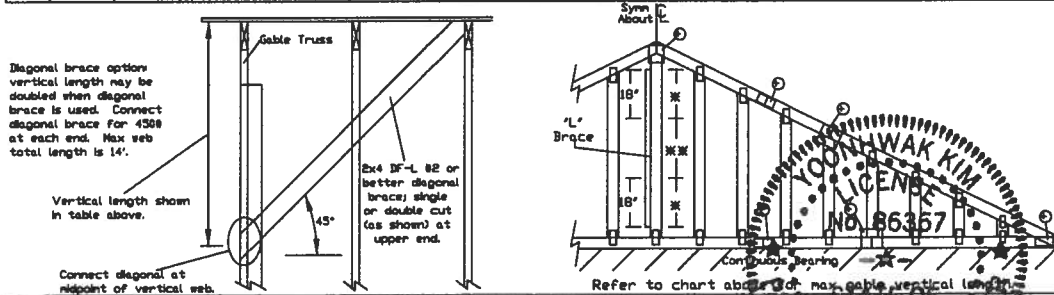
Dr: 120 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00
 Dr: 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00
 Dr: 100 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00

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

Bracing Group Species and Grades			
Group A:			
Service Pine Fir	Heu Fir		
#1 / #2 Standard	#2 Stud		
#3 Stud	#3 Standard		
Douglas Fir-Larch	Southern Pine		
#2 Stud	#3 Stud		
Standard	Standard		
Group B:			
Heu Fir			
#1 S. Str.			
#1			
Douglas Fir-Larch	Southern Pine		
#1	#1		
#2	#2		

1x4 Braces shall be SRB (Stress-Rated Board).
 ***For 1x4 So. Pine use only Industrial 35 or Industrial 45 Stress-Rated Boards. Group B values may be used with these grades.

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



Attach 'L' braces with 10d (G120"x3.5" min) nails.
 * For (1) 'L' brace: space nails at 2' o.c.
 In 18" end zones and 4' o.c. between zones.
 ** For (2) 'L' braces: space nails at 3' o.c.
 In 18" end zones and 6' o.c. between zones.
 'L' bracing must be a minimum of 80% of web member length.

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

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

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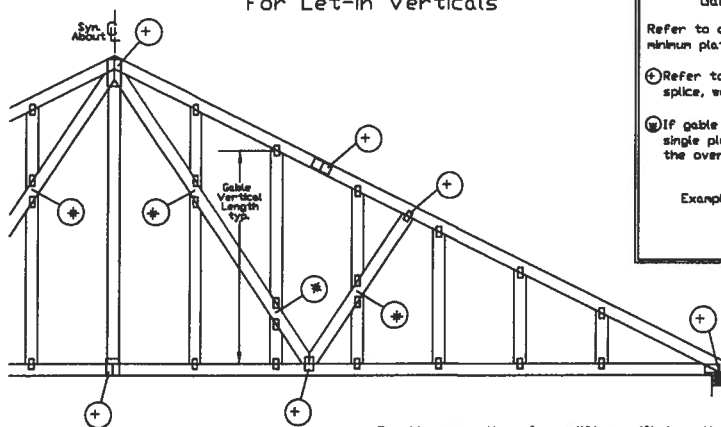
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For more information see this job's general notes page and these web sites:
 ALPINE: www.alpineinc.com TPI: www.tpi.org SCSA: www.scsa.org ICC: www.iccsa.org

REF ASCE7-10-GAB14015
 DATE 10/01/14
 DRWG A14015ENC101014

MAX. TOT. LD. 60 PSF
 MAX. SPACING 24.0'

Gable Detail For Let-In Verticals



Gable Truss Plate Sizes

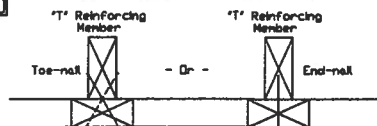
Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs.

① Refer to Engineered truss design for peak, splice, web, and heel plates.

② If gable vertical plates overlap, use a single plate that covers the total area of the overlapped plates to span the web.

Example: 2X4 2X4 2X8

'T' Reinforcement Attachment Detail



Provide connections for uplift specified on the engineered truss design.

Attach each 'T' reinforcing member with

End Driven Nails:
10d Common (0.148"x3",min) Nails at 4" o.c. plus
(4) nails in the top and bottom chords.

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

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

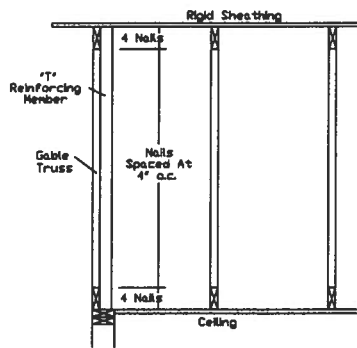
ASCE 7-05 Gable Detail Drawings

A13015051014, A12015051014, A11015051014, A10015051014, A14015051014,
A13030051014, A12030051014, A11030051014, A10030051014, A14030051014

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

A11515ENC100118, A12015ENC100118, A14015ENC100118, A10015ENC100118,
A18015ENC100118, A20015ENC100118, A24015ENC100118, A28015ENC100118,
A11530ENC100118, A12030ENC100118, A14030ENC100118, A10030ENC100118,
A18030ENC100118, A20030ENC100118, A24030ENC100118, A28030ENC100118,
S11515ENC100118, S12015ENC100118, S14015ENC100118, S16015ENC100118,
S18015ENC100118, S20015ENC100118, S24015ENC100118, S28015ENC100118,
S11530ENC100118, S12030ENC100118, S14030ENC100118, S16030ENC100118,
S18030ENC100118, S20030ENC100118, S24030ENC100118, S28030ENC100118

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



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

Maximum allowable 'T' reinforced gable vertical length is 14' from top to bottom chord.

'T' reinforcing member material must match size, specie, and grade of the 'L' reinforcing member.

Web Length Increase w/ 'T' Brace

'T' Reinf. 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"



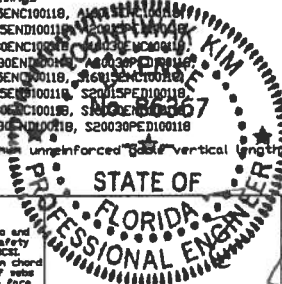
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Maryland Heights, MO 63043

IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING. 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 ITI 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 S2, S7 or S10, 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 180A-Z for standard plate positions.

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For more information see this job's general notes page and these web sites: ALPINE www.alpine.com, TPI www.tpi.org, SBCA www.sbcainc.org, BCSI www.bcsi.org



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

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

Piggyback Detail - ASCE 7-10: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

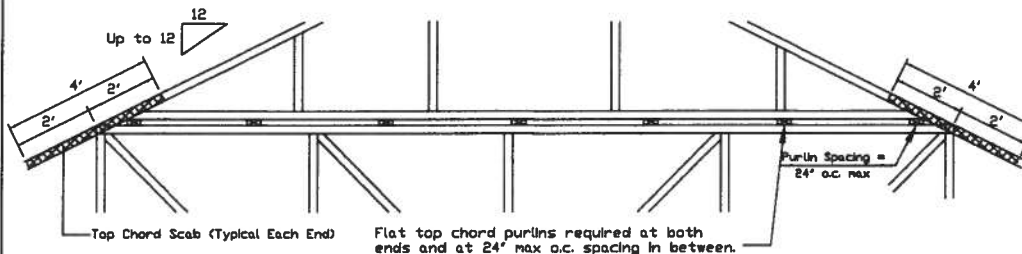
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0.
Or 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

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

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

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

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

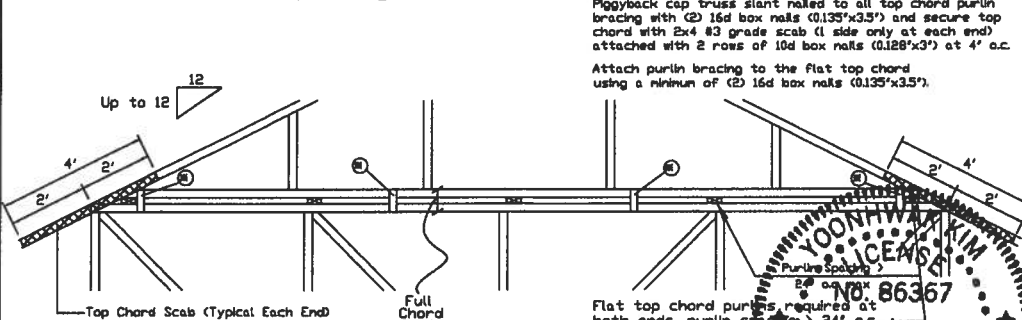


Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

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

The top chord #3 grade 2x4 scab may be replaced with either of the following: (1) 3X8 Trulox plate attached with (8) 0.120"x1.375" nails, (4) into cap TC & (4) into base truss TC or (1) 28PB wave piggyback plate attached to the piggyback truss TC and attached to the base truss TC with (4) 0.120"x1.375" nails. Note: Nailing thru holes of wave plate is acceptable.

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



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

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

Flat top chord purlins required at both ends, purlin spacing > 24' o.c.

Note: If purlins or sheathing are not specified on the flat top of the base truss, purlins must be installed at 24' o.c. max. and use Detail A.

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.

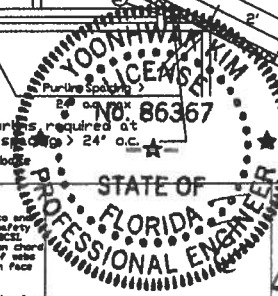
2x4 Vertical Scabs
2x4 SPF #2, full chord depth scabs (each face). Attach @ 8' o.c. with (6) 10d box nails (0.128"x3") per scab, (3) in cap bottom chord and (3) in base truss top chord. Scabs may be staggered 4' o.c. front to back faces.

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.



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Refer to drawings 160A-2 for standard plate positions.
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For more information see this job's general notes page and these web sites:
ALPINE: www.alpineinc.com TPI: www.tpi.org SBCA: www.structuralsteel.org ICC: www.iccsafe.org



REF PIGGYBACK
DATE 10/01/14
DRWG PB160101014

SPACING 24.0"

10/14/2019
COA #0-278