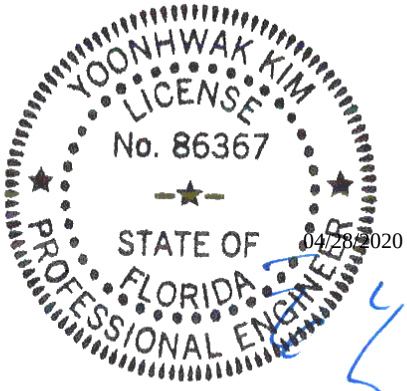


04/28/2020

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.

ALPINE AN ITW COMPANY

FL REG# 278, Yoonhwak Kim, FL PE #86367

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

Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	*Job Number:* 20-4111
Job Description: /Jerri & Paula Payne /ZECHER CONSTRUCTION	
Address:	

Job Engineering Criteria:	
Design Code: FBC 2017 RES	*IntelliVIEW Version:* 18.02.01B *JRef #:* 1WUT2150007
Wind Standard: ASCE 7-10 *Wind Speed (mph):* 130 *Building Type:* Closed	*Roof Load (psf):* 20.00-10.00- 0.00-10.00 *Floor Load (psf):* None

This package contains general notes pages, 34 truss drawing(s) and 3 detail(s).

Item	Drawing Number	Truss
1	119.20.1032.28603	A01
3	119.20.1032.32390	A03
5	119.20.1032.35797	A05
7	119.20.1032.39607	A07
9	119.20.1032.45173	A09
11	119.20.1032.50927	A11
13	119.20.1032.55910	A13
15	119.20.1033.01623	A15
17	119.20.1033.06660	A17
19	119.20.1033.12457	A19
21	119.20.1033.37443	B01
23	119.20.1033.44620	B03
25	119.20.1033.49983	C02
27	119.20.1033.57160	D01
29	119.20.1034.19070	J02
31	119.20.1034.28100	J04
33	119.20.1034.33163	J06HJ
35	BRCLBSUB0119	
37	GBLLETIN0118	

Item	Drawing Number	Truss
2	119.20.1032.30627	A02
4	119.20.1032.34243	A04
6	119.20.1032.37830	A06
8	119.20.1032.41493	A08
10	119.20.1032.47747	A10
12	119.20.1032.53487	A12
14	119.20.1032.58037	A14
16	119.20.1033.03920	A16
18	119.20.1033.08933	A18
20	119.20.1033.29507	A20
22	119.20.1033.41480	B02
24	119.20.1033.48247	C01
26	119.20.1033.54220	C03
28	119.20.1034.12493	J01
30	119.20.1034.26450	J03
32	119.20.1034.29753	J05
34	119.20.1034.45157	J07
36	A14015ENC101014	

General Notes

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

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

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

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

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

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

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

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

General Notes (continued)

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

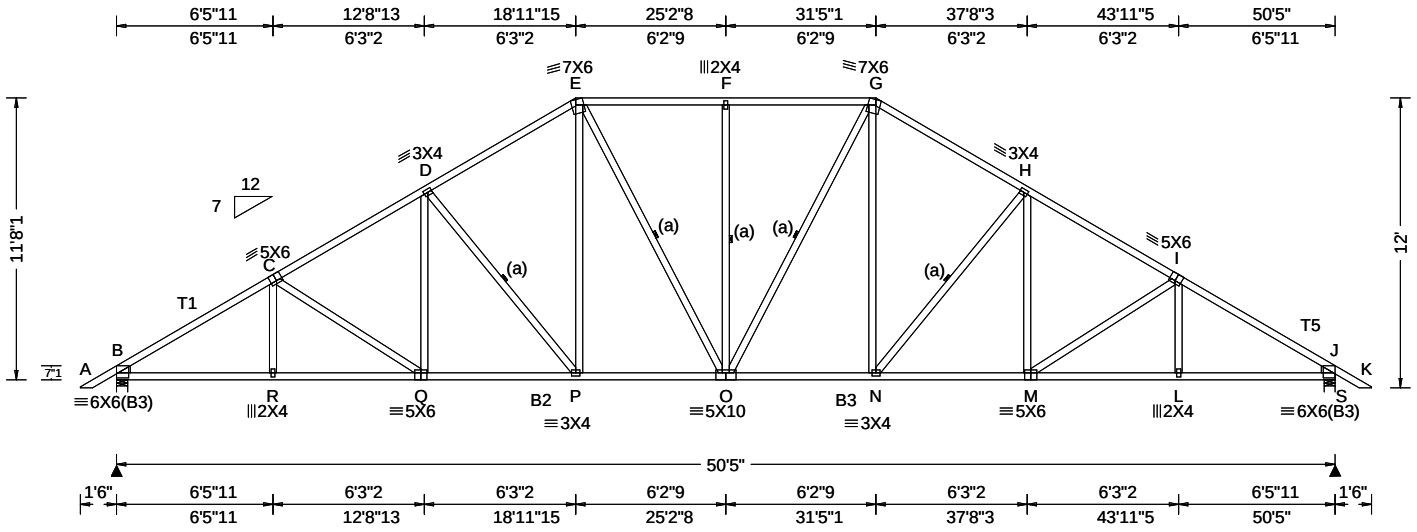
BCDL = Bottom Chord standard design Dead Load in pounds per square foot.
BCLL = Bottom Chord standard design Live Load in pounds per square foot.
CL = Certified lumber.
Des Ld = total of TCLL, TCDL, BCLL and BCDL Design Load in pounds per square foot.
FRT = Fire Retardant Treated lumber.
FRT-DB = D-Blaze Fire Retardant Treated lumber.
FRT-DC = Dricon Fire Retardant Treated lumber.
FRT-FP = FirePRO Fire Retardant Treated lumber.
FRT-FL = FlamePRO Fire Retardant Treated lumber.
FRT-FT = FlameTech Fire Retardant Treated lumber.
FRT-PG = PYRO-GUARD Fire Retardant Treated lumber.
g = green lumber.
HORZ(LL) = maximum Horizontal panel point deflection due to Live Load, in inches.
HORZ(TL) = maximum Horizontal panel point long term deflection in inches, due to Total Load, including creep adjustment.
HPL = additional Horizontal Load added to a truss Piece in pounds per linear foot or pounds.
Ic = Incised lumber.
FJ = Finger Jointed lumber.
L/# = user specified divisor for limiting span/deflection ratio for evaluation of actual L/defl value.
L/defl = ratio of Length between bearings, in inches, divided by the vertical Deflection due to creep, in inches, at the referenced panel point. Reported as 999 if greater than or equal to 999.
Loc = Location, starting location of left end of bearing or panel point (joint) location of deflection.
Max BC CSI = Maximum bending and axial Combined Stress Index for Bottom Chords for of all load cases.
Max TC CSI = Maximum bending and axial Combined Stress Index for Top Chords for of all load cases.
Max Web CSI= Maximum bending and axial Combined Stress Index for Webs for of all load cases.
NCBCLL = Non-Concurrent Bottom Chord design Live Load in pounds per square foot.
PL = additional Load applied at a user specified angle on a truss Piece in pounds per linear foot or pounds.
PLB = additional vertical load added to a Bottom chord Piece of a truss in pounds per linear foot or pounds
PLT = additional vertical load added to a Top chord Piece of a truss in pounds per linear foot or pounds.
PP = Panel Point.
R = maximum downward design Reaction, in pounds, from all specified gravity load cases, at the indicated location (Loc).
-R = maximum upward design Reaction, in pounds, from all specified gravity load cases, at the identified location (Loc).
Rh = maximum horizontal design Reaction in either direction, in pounds, from all specified gravity load cases, at the indicated location (Loc).
RL = maximum horizontal design Reaction in either direction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).
Rw = maximum downward design Reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the identified location (Loc).
TCDL = Top Chord standard design Dead Load in pounds per square foot.
TCLL = Top Chord standard design Live Load in pounds per square foot.
U = maximum Upward design reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).
VERT(CL) = maximum Vertical panel point deflection in inches due to Live Load and Creep Component of Dead Load in inches.
VERT(CTL) = maximum Vertical panel point deflection ratios due to Live Load and Creep Component of Dead Load, and maximum long term Vertical panel point deflection in inches due to Total load, including creep adjustment.
VERT(LL) = maximum Vertical panel point deflection in inches due to Live Load.
VERT(TL) = maximum Vertical panel point long term deflection in inches due to Total load, including creep adjustment.
W = Width of non-hanger bearing, in inches.

Refer to ASCE-7 for Wind and Seismic abbreviations.
Uppercase Acronyms not explained above are as defined in TPI 1.

References:

1. AWC: American Wood Council; 222 Catoctin Circle SE, Suite 201; Leesburg, VA 20175; www.awc.org.
2. ICC: International Code Council; www.iccsafe.org.
3. Alpine, a division of ITW Building Components Group Inc.: 13723 Riverport Drive, Suite 200, Maryland Heights, MO 63043; www.alpineitw.com.
4. TPI: Truss Plate Institute, 2670 Crain Highway, Suite 203, Waldorf, MD 20601; www.tpinst.org.
5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www.sbcindustry.com.

SEQN: 314429 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4111 /Jerri & Paula Payne /ZECHER CONSTRUCTION **Truss Label:** A01		Cust: R 215 JRef:1WUT2150007 T40 DrwNo: 119.20.1032.28603 / YK 04/28/2020	



Loading Criteria (psf)

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 Criteria
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: 5.04 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.232	F	999	240
VERT(CL): 0.478	F	999	180
HORZ(LL): 0.113	L	-	-
HORZ(TL): 0.232	L	-	-

Creep Factor: 2.0
Max TC CSI: 0.591
Max BC CSI: 0.756
Max Web CSI: 0.397

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	2183	/-	/-	/1317	/44	/354
S	2183	/-	/-	/1317	/44	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.8
S Brg Width = 5.5 Min Req = 1.8
Bearings B & S 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	783	-3487	F - G	734	-2334
C - D	783	-3118	G - H	758	-2643
D - E	757	-2643	H - I	784	-3118
E - F	734	-2334	I - J	784	-3487

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - R	2896	-556	O - N	2192	-323
R - Q	2895	-557	N - M	2606	-466
Q - P	2606	-445	M - L	2895	-568
P - O	2192	-314	L - J	2896	-568

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
Q - D	411	-60	G - N	642	-158
D - P	230	-663	N - H	230	-663
E - P	642	-158	H - M	411	-60
F - O	161	-396			

Lumber

Top chord: 2x4 SP #2; T1,T5 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B2,B3 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Purlins

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

Wind

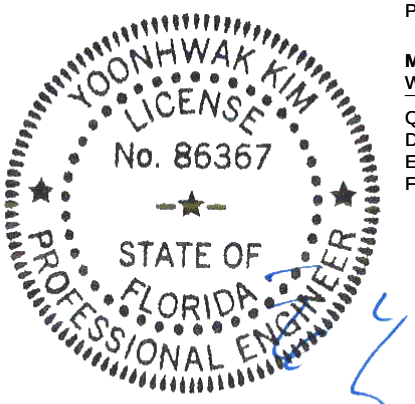
Wind loads based on MWFRS with additional C&C member design.

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 11-8-1.



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04/28/2020

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

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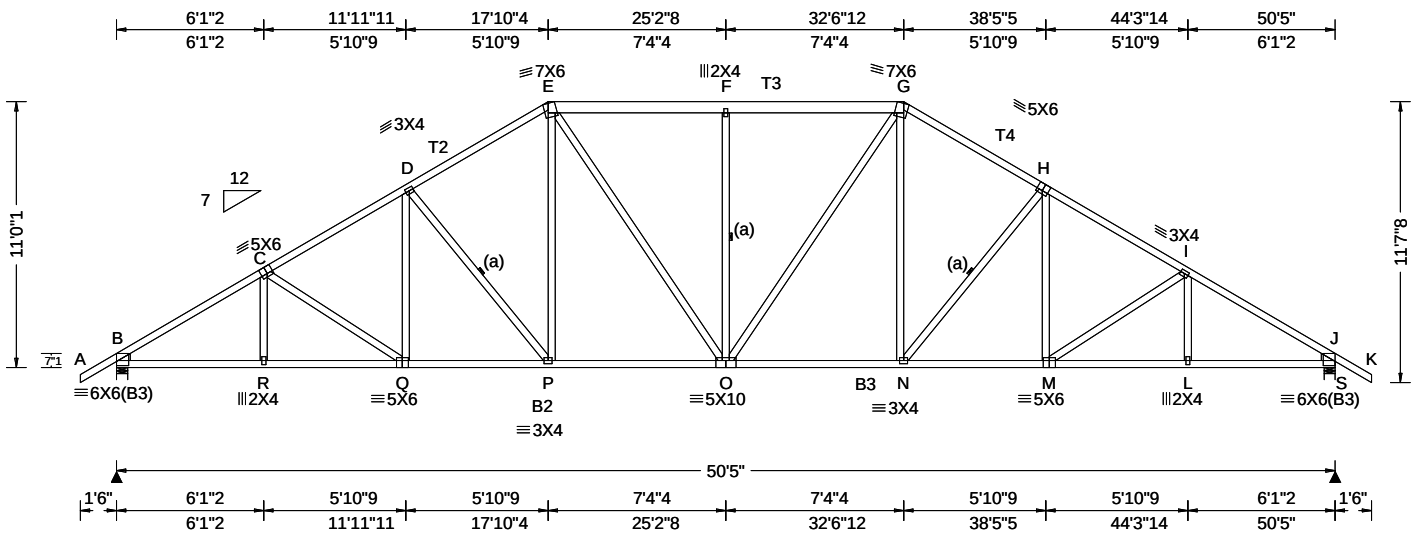
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing,any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses**A seal on this drawing or cover page listing this drawing, 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.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 314430 COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4111 /Jerri & Paula Payne /ZECHER CONSTRUCTION **Truss Label:** A02	Cust: R 215 JRef:1WUT2150007 T2 DrwNo: 119.20.1032.30627 / YK 04/28/2020	



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
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: 5.04 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): 0.218 F 999 240 VERT(CL): 0.448 F 999 180 HORZ(LL): 0.114 L - - HORZ(TL): 0.235 L - - Creep Factor: 2.0 Max TC CSI: 0.548 Max BC CSI: 0.845 Max Web CSI: 0.366 VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	2198	/-	/-	/1323	/50	/340
S	2198	/-	/-	/1323	/50	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.8
S Brg Width = 5.5 Min Req = 1.8
Bearings B & S 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	786	- 3479	F - G	772	- 2510
C - D	794	- 3157	G - H	773	- 2722
D - E	773	- 2723	H - I	795	- 3155
E - F	772	- 2510	I - J	788	- 3477

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - R	2890	- 559	O - N	2276	- 355
R - Q	2890	- 560	N - M	2645	- 485
Q - P	2646	- 464	M - L	2887	- 575
P - O	2276	- 345	L - J	2887	- 574

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - P	209	- 594	O - G	410	- 117
E - P	616	- 140	G - N	615	- 140
E - O	410	- 117	N - H	208	- 592
F - O	203	- 521			

Lumber

Top chord: 2x4 SP M-31; T2,T4 2x4 SP #2;
T3 2x6 SP 2400f-2.0E;
Bot chord: 2x4 SP M-31; B2,B3 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Purlins

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

Wind

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

Additional Notes

Refer to General Notes for additional information

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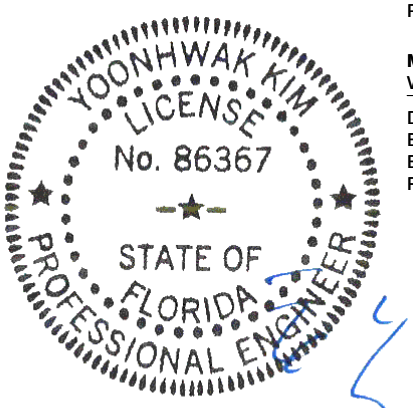
The overall height of this truss excluding overhang is 11-0-1.



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04/28/2020

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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.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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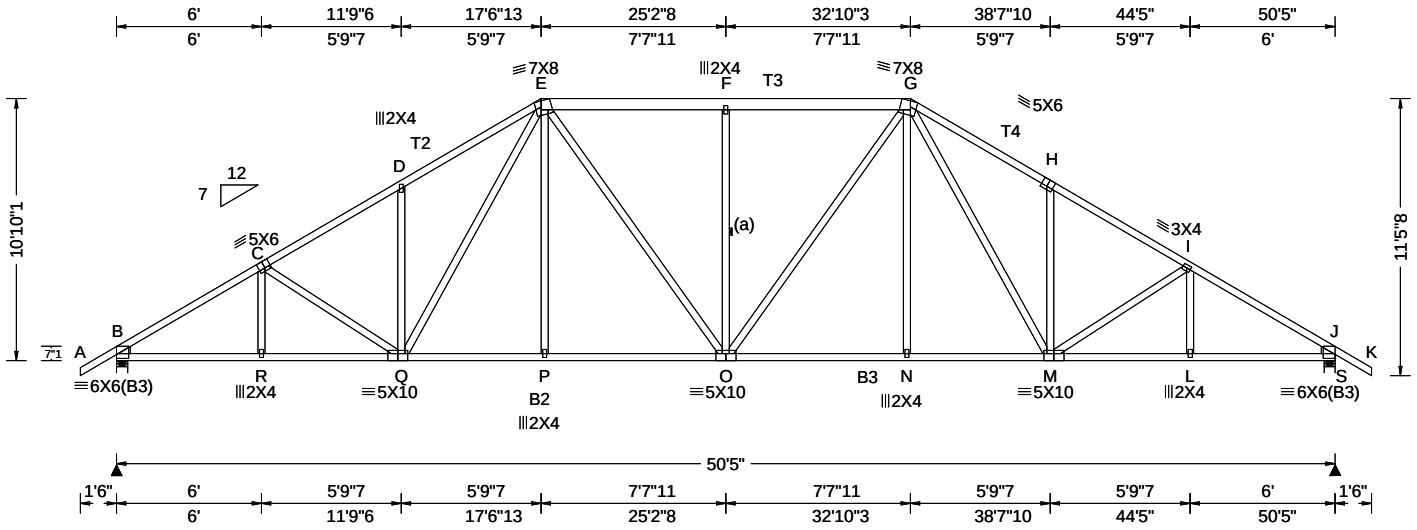
Orlando FL, 32821

SEQN: 314431 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4111 /Jerri & Paula Payne /ZECHER CONSTRUCTION **Truss Label:** A03		Cust: R 215 JRef:1WUT2150007 T14 DrwNo: 119.20.1032.32390 / YK 04/28/2020	



Loading Criteria (psf)
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 Criteria
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: 5.04 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.220	F	999	240
VERT(CL): 0.452	F	999	180
HORZ(LL): 0.111	L	-	-
HORZ(TL): 0.228	L	-	-

Creep Factor: 2.0
Max TC CSI: 0.508
Max BC CSI: 0.865
Max Web CSI: 0.723

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	2198	/-	/-	/1322	/51	/336
S	2198	/-	/-	/1322	/51	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.8
S Brg Width = 5.5 Min Req = 1.8
Bearings B & S 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	788	- 3479	F - G	781	- 2552
C - D	796	- 3162	G - H	919	- 3162
D - E	920	- 3164	H - I	796	- 3161
E - F	781	- 2552	I - J	790	- 3477

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - R	2890	- 561	O - N	2298	- 365
R - Q	2889	- 562	N - M	2296	- 365
Q - P	2296	- 355	M - L	2887	- 578
P - O	2298	- 354	L - J	2887	- 577

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
Q - E	751	- 260	O - G	430	- 122
E - O	430	- 122	G - M	749	- 260
F - O	209	- 541			

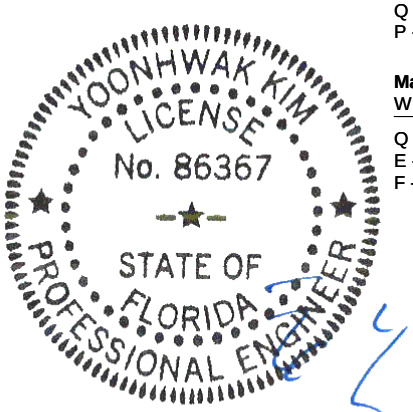
Lumber
Top chord: 2x4 SP M-31; T2,T4 2x4 SP #2;
T3 2x6 SP 2400f-2.0E;
Bot chord: 2x4 SP M-31; B2,B3 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

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

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

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

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 10-10-1.



FL REG# 278, Yoonhwak Kim, FL PE #86367
04/28/2020

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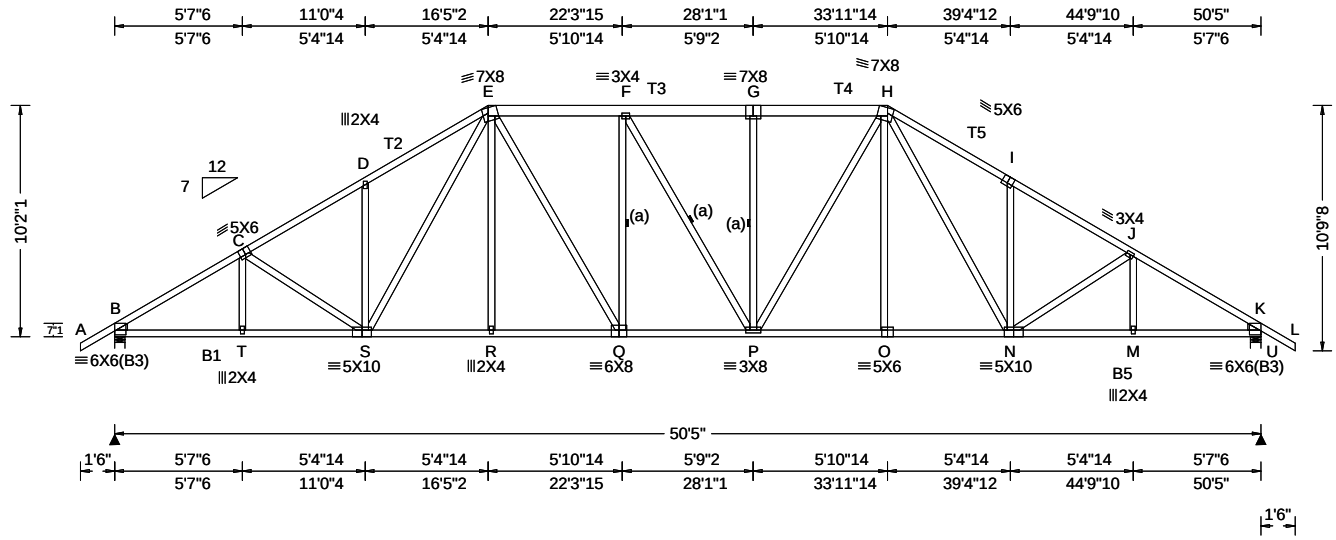
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 314432 COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4111 /Jerri & Paula Payne /ZECHER CONSTRUCTION **Truss Label:** A04	Cust: R 215 JRef:1WUT2150007 T20 DrwNo: 119.20.1032.34243 / YK 04/28/2020	



Loading Criteria (psf)

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 Criteria
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: 5.04 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.222	F	999	240
VERT(CL): 0.457	F	999	180
HORZ(LL): 0.113	M	-	-
HORZ(TL): 0.233	M	-	-

Creep Factor: 2.0
Max TC CSI: 0.467
Max BC CSI: 0.714
Max Web CSI: 0.589

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	2198	/-	/-	/1316	/56	/317
U	2198	/-	/-	/1316	/56	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.8
U Brg Width = 5.5 Min Req = 1.8
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	796	-3473	G - H	805	-2667
C - D	809	-3204	H - I	927	-3206
D - E	928	-3208	I - J	810	-3202
E - F	803	-2659	J - K	797	-3470
F - G	804	-2666			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - T	2885	-571	P - O	2368	-397
T - S	2886	-572	O - N	2367	-397
S - R	2367	-387	N - M	2882	-588
R - Q	2368	-387	M - K	2882	-587
Q - P	2670	-472			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
S - E	695	-243	P - H	578	-160
E - Q	574	-160	H - N	693	-242
Q - F	157	-381			

Lumber

Top chord: 2x4 SP M-31; T2,T5 2x4 SP #2; T3, T4 2x6 SP 2400f-2.0E;
Bot chord: 2x4 SP #2; B1,B5 2x4 SP M-31;
Webs: 2x4 SP #3;
Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Purlins

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

Wind

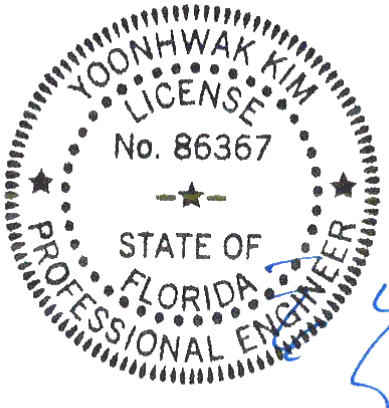
Wind loads based on MWFRS with additional C&C member design.

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 10-2-1.



FL REG# 278, Yoonhwak Kim, FL PE #86367
04/28/2020

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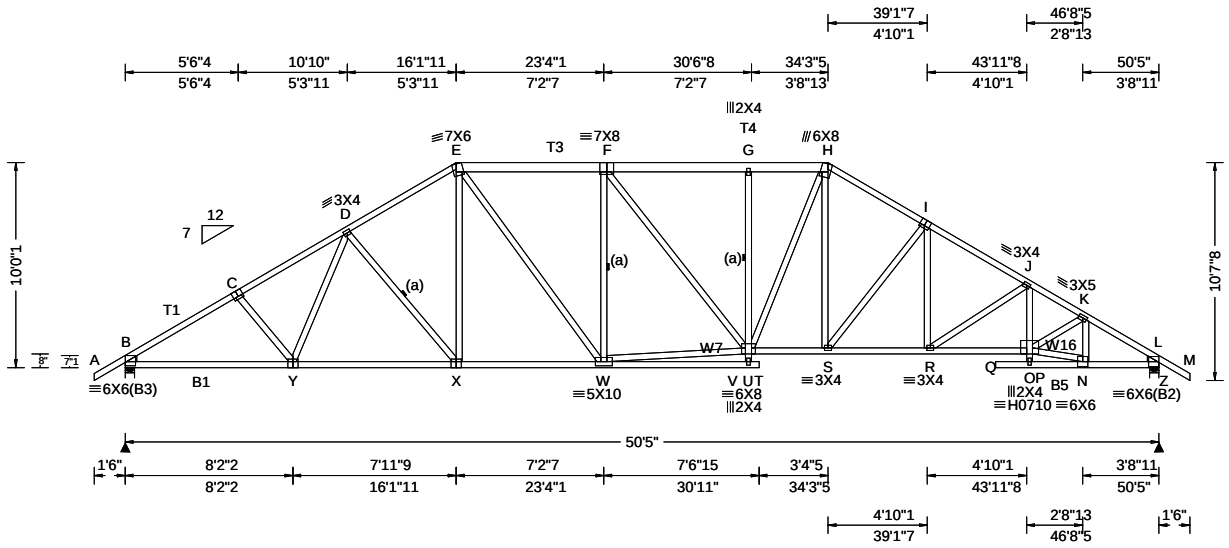
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 314433 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4111 /Jerri & Paula Payne /ZECHER CONSTRUCTION **Truss Label:** A05		Cust: R 215 JRef:1WUT2150007 T16 DrwNo: 119.20.1032.35797 / YK 04/28/2020	



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.261 G 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.537 G 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.140 N - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.288 N - -
NCBCLL: 10.00	Mean Height: 15.00 ft	**Code / Misc Criteria**	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.972
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.912
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.792
	C&C Dist a: 5.04 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 13.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE, HS	VIEW Ver: 18.02.01B.0321.08
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	2198	/-	/-	/1314	/58	/313
Z	2198	/-	/-	/1315	/58	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.8
Z Brg Width = 5.5 Min Req = 1.8
Bearings B & Z 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	818	- 3504	G - H	835	- 2866
C - D	833	- 3305	H - I	835	- 3029
D - E	799	- 2850	I - J	877	- 3518
E - F	824	- 2749	J - K	983	- 4223
F - G	834	- 2859	K - L	761	- 3336

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - Y	2910	- 591	S - R	2956	- 563
Y - X	2697	- 501	R - O	3659	- 741
X - W	2392	- 395	N - L	2761	- 572
U - S	2560	- 433			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - X	186	- 479	S - I	215	- 657
E - X	566	- 125	I - R	480	- 82
E - W	595	- 165	R - J	212	- 835
W - F	215	- 635	J - O	551	- 96
W - U	2666	- 484	O - N	2743	- 566
U - H	765	- 210	O - K	1063	- 200
H - S	531	- 141	N - K	234	- 1016

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31; T3, T4 2x6 SP 2400f-2.0E;
Bot chord: 2x4 SP #2; B1,B5 2x4 SP M-31;
Webs: 2x4 SP #3; W7,W16 2x4 SP #2;
Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 5X6 except as noted.

Purlins

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

Wind

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

Additional Notes

Refer to General Notes for additional information

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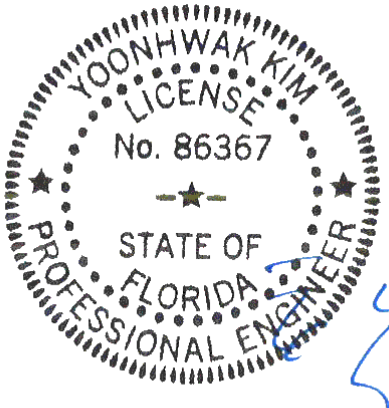
The overall height of this truss excluding overhang is 10-0-1.



FL REG# 278, Yoonhwak Kim, FL PE #86367
04/28/2020

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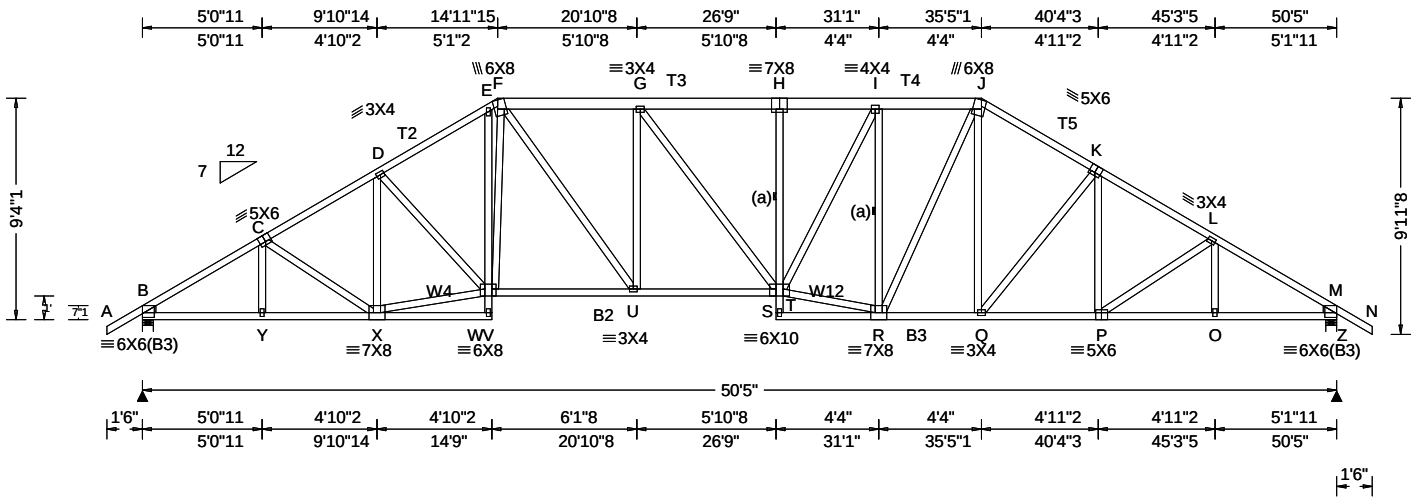
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 314434 COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4111 /Jerri & Paula Payne /ZECHER CONSTRUCTION **Truss Label:** A06	Cust: R 215 JRef:1WUT2150007 T22 DrwNo: 119.20.1032.37830 / YK 04/28/2020	



Loading Criteria (psf)
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 Criteria
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: 5.04 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.266	H	999	240
VERT(CL): 0.547	H	999	180
HORZ(LL): 0.139	O	-	-
HORZ(TL): 0.286	O	-	-

Creep Factor: 2.0
Max TC CSI: 0.528
Max BC CSI: 0.965
Max Web CSI: 0.689

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	2198	/-	/-	/1306	/113	/293
Z	2198	/-	/-	/1306	/113	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.8
Z Brg Width = 5.5 Min Req = 1.8
Bearings B & Z 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	802	- 3457	H - I	940	- 3351
C - D	826	- 3263	I - J	824	- 2779
D - E	890	- 3358	J - K	815	- 2913
E - F	901	- 3133	K - L	827	- 3255
F - G	910	- 3221	L - M	804	- 3456
G - H	940	- 3356			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - Y	2873	- 581	R - Q	2455	- 435
Y - X	2874	- 582	Q - P	2749	- 543
V - U	2807	- 487	P - O	2872	- 599
U - S	3243	- 608	O - M	2871	- 598

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
X - D	97	- 447	S - R	2858	- 525
X - V	2812	- 531	I - R	330	- 1331
V - F	569	- 185	R - J	745	- 204
F - U	712	- 194	J - Q	464	- 120
U - G	208	- 572	Q - K	175	- 476
S - I	1199	- 246			

Lumber
Top chord: 2x4 SP M-31; T2,T5 2x4 SP #2; T3, T4 2x6 SP 2400f-2.0E;
Bot chord: 2x4 SP M-31; B2,B3 2x4 SP #2;
Webs: 2x4 SP #3; W4,W12 2x4 SP #2;
Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

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

Plating Notes
All plates are 2X4 except as noted.

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

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

Additional Notes
Refer to General Notes for additional information
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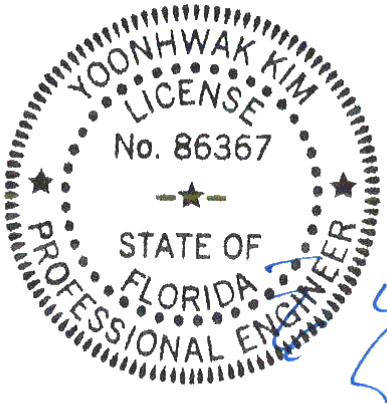
The overall height of this truss excluding overhang is 9-4-1.



FL REG# 278, Yoonhwak Kim, FL PE #86367
04/28/2020

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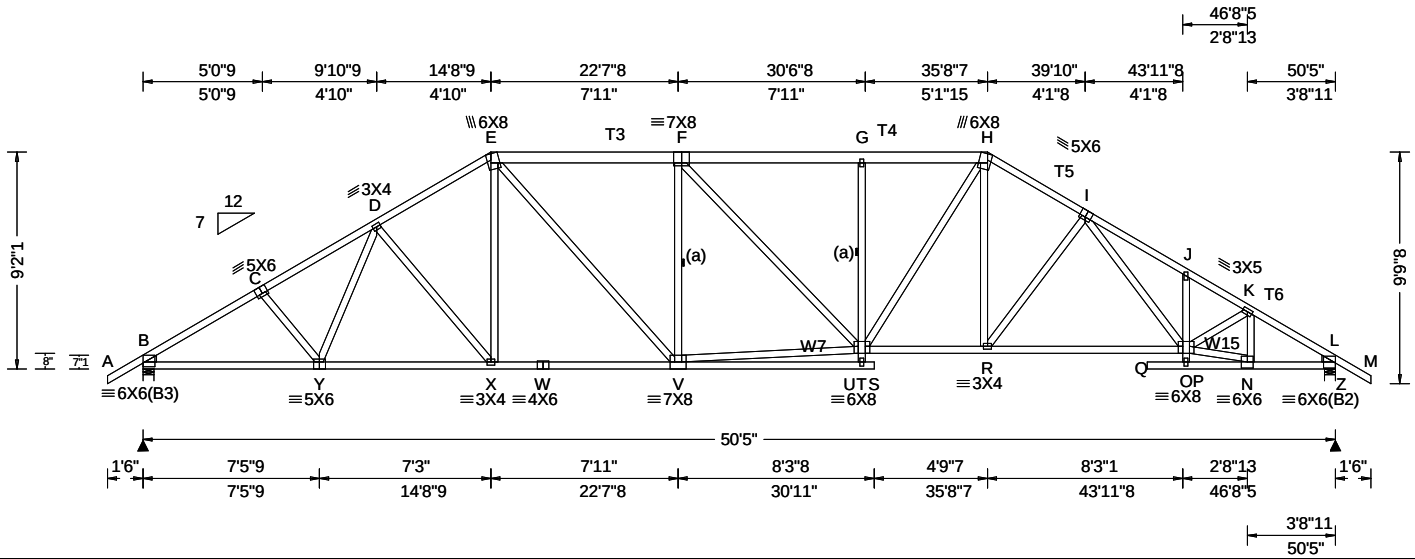
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 314435 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4111 /Jerri & Paula Payne /ZECHER CONSTRUCTION **Truss Label:** A07		Cust: R 215 JRef:1WUT2150007 T17 DrwNo: 119.20.1032.39607 / YK 04/28/2020	



Loading Criteria (psf)

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 Criteria
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: 5.04 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.251	G	999	240
VERT(CL): 0.517	G	999	180
HORZ(LL): 0.125	N	-	-
HORZ(TL): 0.256	N	-	-

Creep Factor: 2.0
Max TC CSI: 0.971
Max BC CSI: 0.669
Max Web CSI: 0.652

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

		Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh		/ Rw	/ U	/ RL
B	2198	/-	/-		/1305	/116	/289
Z	2198	/-	/-		/1306	/117	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.8
Z Brg Width = 5.5 Min Req = 1.8
Bearings B & Z 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	826	- 3491	G - H	907	- 3172
C - D	841	- 3316	H - I	863	- 3165
D - E	820	- 2949	I - J	1080	- 4302
E - F	880	- 3003	J - K	999	- 4227
F - G	905	- 3164	K - L	774	- 3338

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - Y	2898	- 601	T - R	2686	- 478
Y - X	2744	- 528	R - O	3052	- 610
X - W	2488	- 437	N - L	2764	- 585
W - V	2488	- 437			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - X	166	- 404	H - R	569	- 131
E - X	529	- 111	R - I	223	- 620
E - V	770	- 206	I - O	1015	- 237
V - F	243	- 708	O - N	2767	- 575
V - T	2888	- 559	O - K	1062	- 201
G - T	179	- 423	N - K	239	- 1031
T - H	882	- 246			

Lumber
Top chord: 2x4 SP M-31; T3,T4 2x6 SP 2400f-2.0E;
T5,T6 2x4 SP #2;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3; W7,W15 2x4 SP #2;
Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

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

Plating Notes
All plates are 2X4 except as noted.

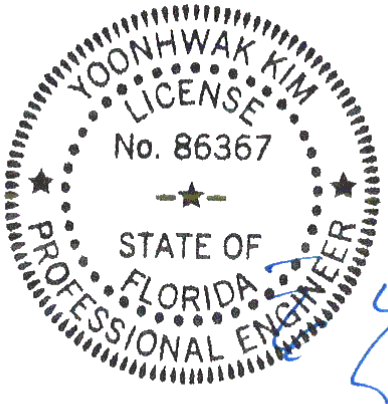
Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

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

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 9-2-1.



FL REG# 278, Yoonhwak Kim, FL PE #86367
04/28/2020

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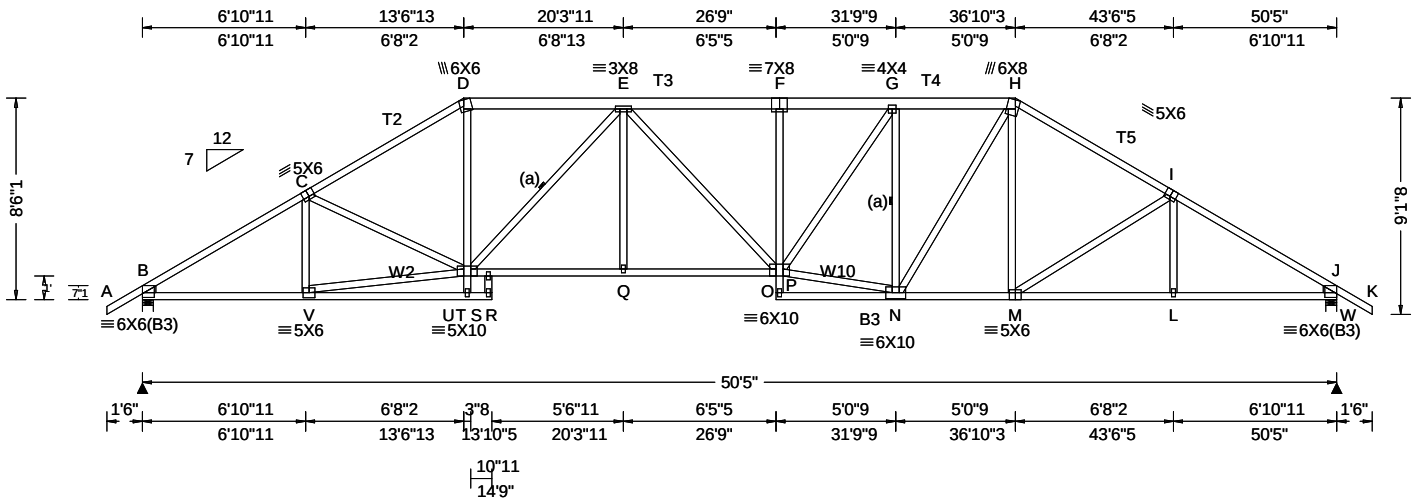
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 314436 COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4111 /Jerri & Paula Payne /ZECHER CONSTRUCTION **Truss Label:** A08		Cust: R 215 JRef:1WUT2150007 T12 DrwNo: 119.20.1032.41493 / YK 04/28/2020	



Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲Maximum Reactions (lbs)
TCLL: 20.00		Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00		Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.290 F 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00		Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.596 F 999 180	B 2198 /- /- /1296 /123 /270
BCDL: 10.00		Risk Category: II	Snow Duration: NA	HORZ(LL): 0.146 L - -	W 2198 /- /- /1296 /123 /-
Des Ld: 40.00		EXP: C Kzt: NA		HORZ(TL): 0.301 L - -	Wind reactions based on MWFRS
NCBCLL: 10.00		Mean Height: 15.00 ft	**Code / Misc Criteria**	Creep Factor: 2.0	B Brg Width = 5.5 Min Req = 1.8
Soffit: 2.00		TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.714	W Brg Width = 5.5 Min Req = 1.8
Load Duration: 1.25		BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.731	Bearings B & W are a rigid surface.
Spacing: 24.0 "		MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.723	Members not listed have forces less than 375#
		C&C Dist a: 5.04 ft	FT/RT:20(0)/10(0)		**Maximum Top Chord Forces Per Ply (lbs)**
		Loc. from endwall: not in 13.00 ft	Plate Type(s):		Chords Tens. Comp. Chords Tens. Comp.
		GCpi: 0.18	WAVE		B - C 835 -3491 F - G 1035 -3758
		Wind Duration: 1.60		VIEW Ver: 18.02.01B.0321.08	C - D 906 -3494 G - H 878 -3020
					D - E 840 -2971 H - I 829 -3064
					E - F 1036 -3765 I - J 831 -3482

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - V	2895	-590	N - M	2567	-484
T - S	3476	-692	M - L	2888	-612
S - Q	3571	-710	L - J	2889	-611
Q - O	3573	-710			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - V	145	-392	O - N	3074	-598
V - T	2802	-569	G - N	346	-1334
D - T	1271	-284	N - H	858	-229
T - E	238	-874	H - M	411	-72
O - G	1270	-276	M - I	153	-383

Lumber

Top chord: 2x4 SP M-31; T2,T5 2x4 SP #2; T3, T4 2x6 SP 2400f-2.0E;
Bot chord: 2x4 SP M-31; B3 2x4 SP #2;
Webs: 2x4 SP #3; W2,W10 2x4 SP #2;
Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Purlins

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

Wind

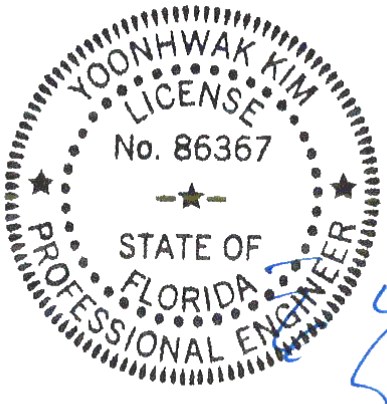
Wind loads based on MWFRS with additional C&C member design.

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 8-6-1.



FL REG# 278, Yoonhwak Kim, FL PE #86367
04/28/2020

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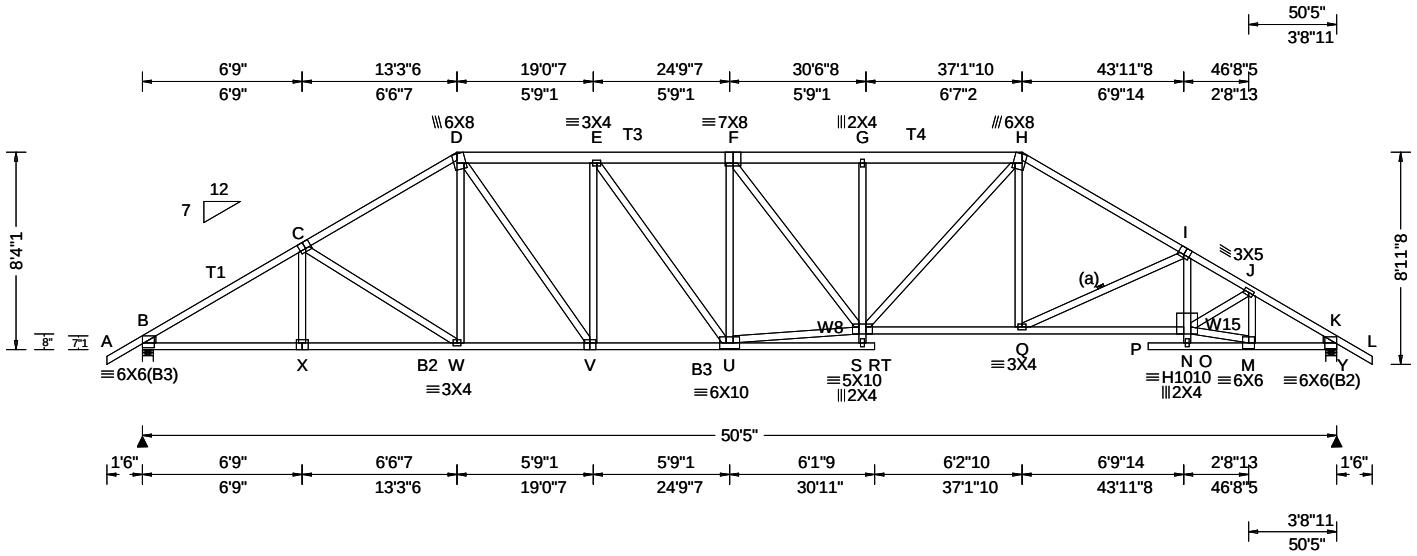
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 314437 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4111 /Jerri & Paula Payne /ZECHER CONSTRUCTION **Truss Label:** A09		Cust: R 215 JRef:1WUT2150007 T36 DrwNo: 119.20.1032.45173 / YK 04/28/2020	



Loading Criteria (psf)

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 Criteria
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: 5.04 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.275	F	999	240
VERT(CL): 0.567	F	999	180
HORZ(LL): 0.139	M	-	-
HORZ(TL): 0.287	M	-	-

Creep Factor: 2.0
Max TC CSI: 0.974
Max BC CSI: 0.830
Max Web CSI: 0.768

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	2198	/-	/-	/1294	/125	/266
Y	2198	/-	/-	/1296	/126	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.8
Y Brg Width = 5.5 Min Req = 1.8
Bearings B & Y 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	837	-3486	G - H	990	-3537
C - D	833	-3083	H - I	878	-3371
D - E	900	-3107	I - J	1028	-4235
E - F	949	-3319	J - K	784	-3331
F - G	988	-3529			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - X	2892	-592	S - Q	2829	-539
X - W	2892	-593	Q - N	3685	-791
W - V	2586	-481	M - K	2756	-591
V - U	3129	-628			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - W	416	-69	H - Q	527	-69
D - V	905	-241	Q - I	280	-951
V - E	217	-638	I - N	516	-73
U - F	177	-612	N - M	2739	-582
U - S	3257	-656	N - J	1100	-238
G - S	160	-386	M - J	239	-1013
S - H	1036	-272			

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31; T3, T4 2x6 SP 2400f-2.0E;
Bot chord: 2x4 SP M-31; B2,B3 2x4 SP #2;
Webs: 2x4 SP #3; W8,W15 2x4 SP #2;
Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 5X6 except as noted.

Purlins

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

Wind

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

Additional Notes

Refer to General Notes for additional information

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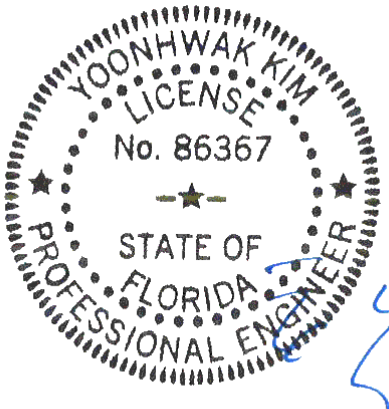
The overall height of this truss excluding overhang is 8-4-1.



FL REG# 278, Yoonhwak Kim, FL PE #86367
04/28/2020

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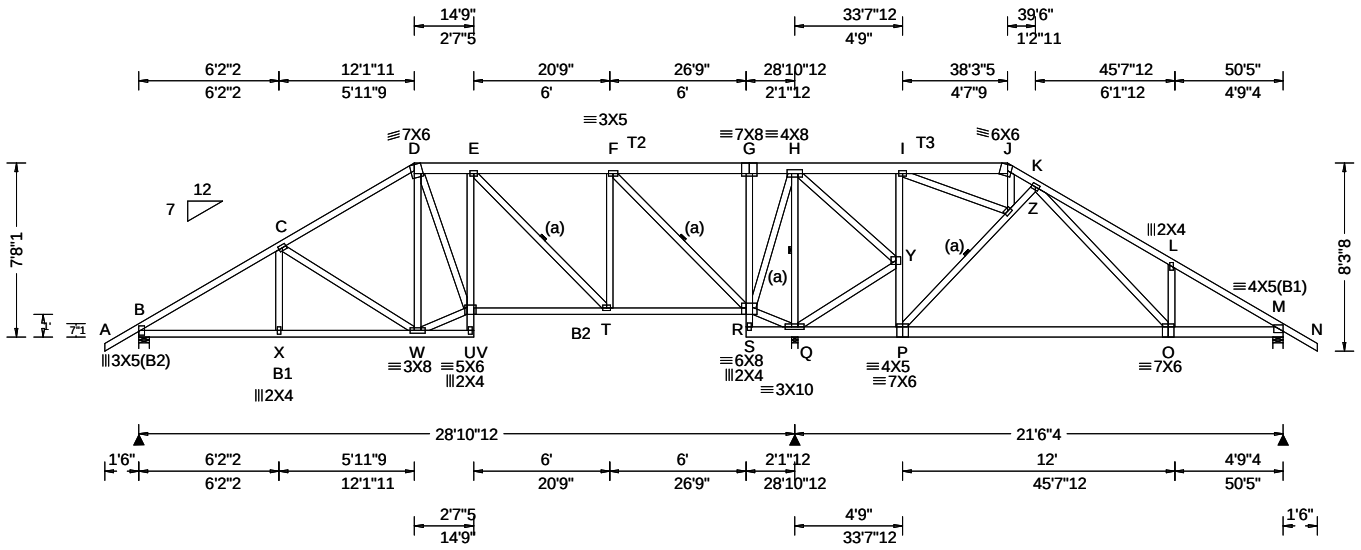
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 314438 COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4111 /Jerri & Paula Payne /ZECHER CONSTRUCTION **Truss Label:** A10		Cust: R 215 JRef:1WUT2150007 T5 DrwNo: 119.20.1032.47747 / YK 04/28/2020	



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.051 U 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.109 U 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.021 O - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.048 R - -
NCBCLL: 10.00	Mean Height: 15.00 ft	**Code / Misc Criteria**	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.502
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.578
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.642
	C&C Dist a: 5.04 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 13.00 ft	Plate Type(s):	VIEW Ver: 18.02.01B.0321.08
	GCpi: 0.18	WAVE	
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1019	/-	/-	/644	/50	/246
Q	2850	/-	/-	/1499	/190	/-
M	725	/-	/-	/485	/102	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
Q Brg Width = 3.5 Min Req = 2.0
M Brg Width = 5.5 Min Req = 1.5
Bearings B, Q, & 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	336	- 1347	H - I	633	- 55
C - D	308	- 894	I - J	442	- 24
D - E	301	- 735	J - K	507	- 56
F - G	1047	- 92	K - L	256	- 875
G - H	1049	- 92	L - M	158	- 880

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - X	1073	- 172	Q - P	232	- 629
X - W	1071	- 173	O - M	699	- 81
U - T	731	- 115			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - W	168	- 459	H - Y	976	- 210
W - U	771	- 126	Q - Y	193	- 893
E - T	178	- 796	Y - I	147	- 395
T - F	712	- 107	Y - P	745	- 123
F - R	375	- 1585	P - Z	224	- 767
R - H	779	- 117	Z - K	240	- 535
R - Q	446	- 1436	K - O	666	- 169
H - Q	325	- 1519			

Lumber

Top chord: 2x4 SP #2; T2,T3 2x6 SP 2400f-2.0E;
Bot chord: 2x6 SP 2400f-2.0E; B1,B2 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.

Purlins

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

Wind

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

Additional Notes

Refer to General Notes for additional information

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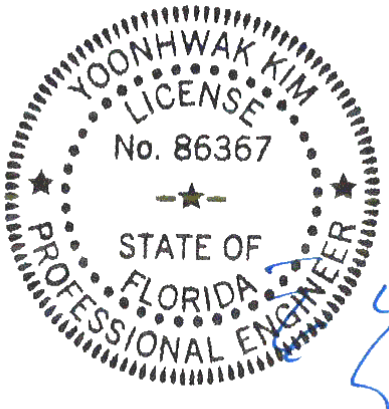
The overall height of this truss excluding overhang is 7-8-1.



FL REG# 278, Yoonhwak Kim, FL PE #86367
04/28/2020

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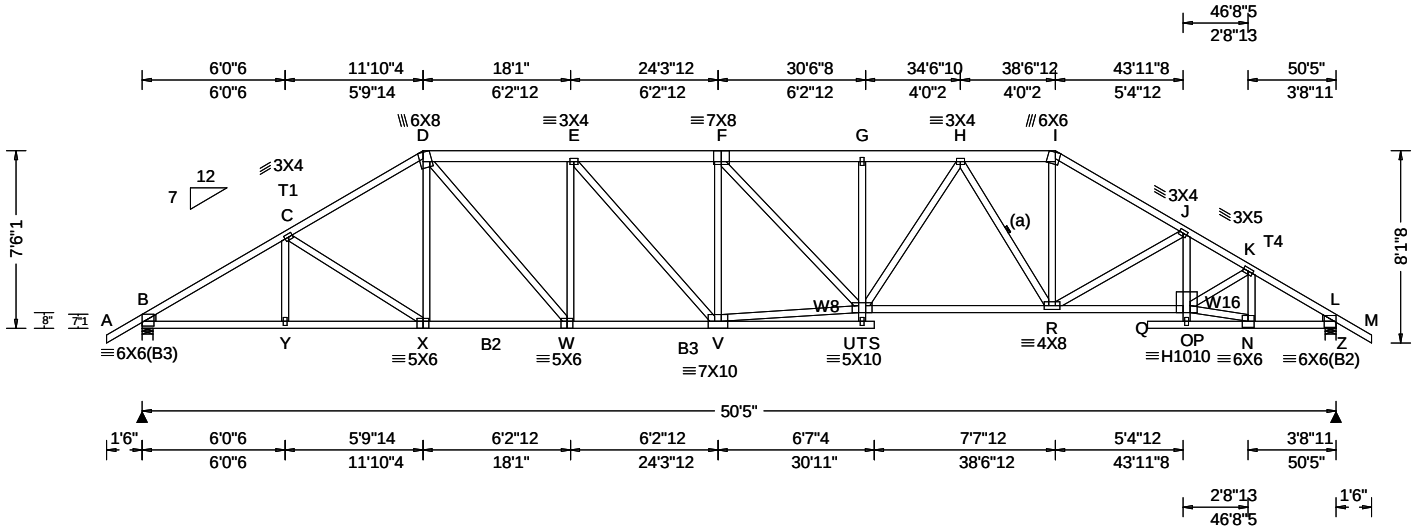
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 314439 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4111 /Jerri & Paula Payne /ZECHER CONSTRUCTION **Truss Label:** A11		Cust: R 215 JRef:1WUT2150007 T8 DrwNo: 119.20.1032.50927 / YK 04/28/2020	



Loading Criteria (psf)

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 Criteria
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: 5.04 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.297	G	999	240
VERT(CL): 0.612	G	987	180
HORZ(LL): 0.143	N	-	-
HORZ(TL): 0.293	N	-	-

Creep Factor: 2.0
Max TC CSI: 0.972
Max BC CSI: 0.919
Max Web CSI: 0.819

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	2198	/-	/-	/1282	/134	/242
Z	2198	/-	/-	/1283	/135	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.8
Z Brg Width = 5.5 Min Req = 1.8
Bearings B & Z 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	845	- 3475	G - H	1094	- 3997
C - D	854	- 3166	H - I	840	- 2969
D - E	967	- 3400	I - J	908	- 3475
E - F	1039	- 3710	J - K	1041	- 4224
F - G	1092	- 3985	K - L	797	- 3335

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - Y	2885	- 606	T - R	3527	- 729
Y - X	2885	- 606	R - O	3662	- 797
X - W	2673	- 521	N - L	2760	- 604
W - V	3429	- 721			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - W	1120	- 294	H - R	311	- 1086
W - E	246	- 738	R - I	1371	- 324
E - V	433	- 106	R - J	254	- 841
V - F	201	- 676	J - O	522	- 89
V - T	3627	- 762	O - N	2736	- 597
F - T	382	- 72	O - K	1069	- 229
T - H	858	- 201	N - K	246	- 1014

Lumber
Top chord: 2x6 SP 2400f-2.0E; T1 2x4 SP M-31;
T4 2x4 SP #2;
Bot chord: 2x4 SP M-31; B2,B3 2x4 SP #2;
Webs: 2x4 SP #3; W8,W16 2x4 SP #2;
Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

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

Plating Notes
All plates are 2X4 except as noted.

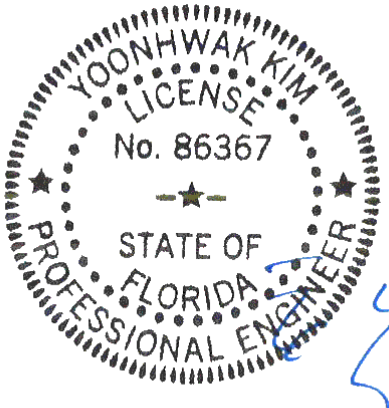
Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

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

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 7-6-1.



FL REG# 278, Yoonhwak Kim, FL PE #86367
04/28/2020

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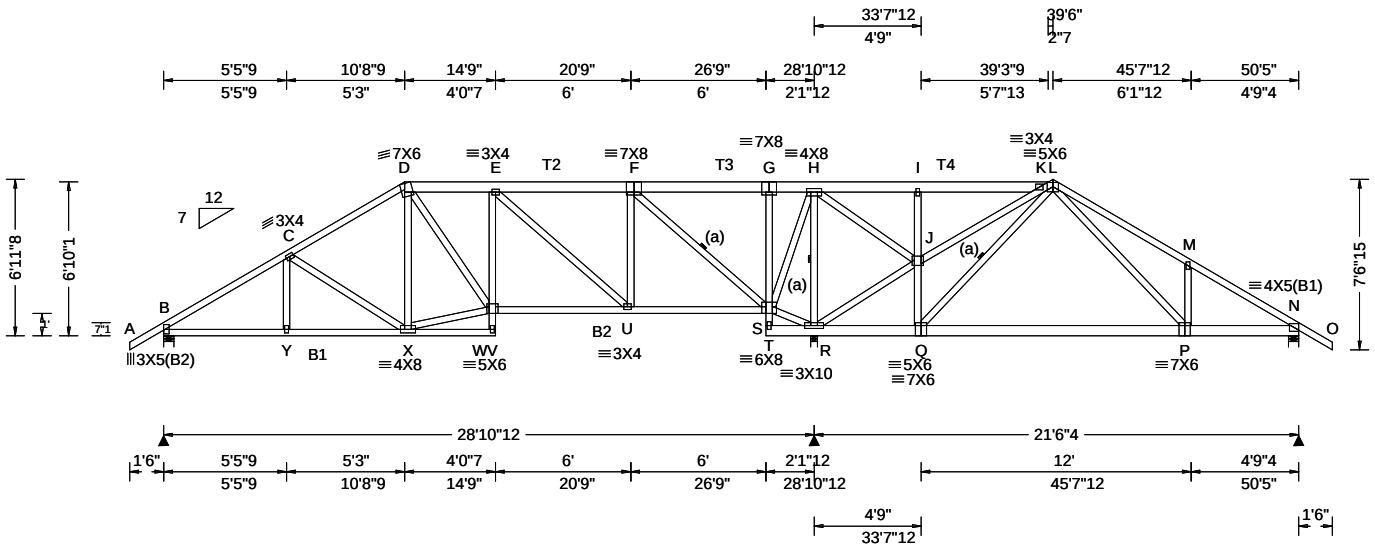
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 314440 COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4111 /Jerri & Paula Payne /ZECHER CONSTRUCTION **Truss Label:** A12	Cust: R 215 JRef:1WUT2150007 T24 DrwNo: 119.20.1032.53487 / YK 04/28/2020	



Loading Criteria (psf)

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 Criteria
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: 5.04 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.056	V	999	240
VERT(CL): 0.121	V	999	180
HORZ(LL): 0.026	P	-	-
HORZ(TL): 0.055	S	-	-

Creep Factor: 2.0
Max TC CSI: 0.510
Max BC CSI: 0.656
Max Web CSI: 0.998

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
B	1067	/-	/-	/661	/93	/226
R	2735	/-	/-	/1428	/376	/-
N	756	/-	/-	/508	/81	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
R Brg Width = 3.5 Min Req = 1.9
N Brg Width = 5.5 Min Req = 1.5
Bearings B, R, & N 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	350	-1444	H - I	628	-74
C - D	336	-1075	I - K	631	-78
D - E	341	-977	K - L	400	-77
E - F	201	-430	L - M	279	-941
F - G	961	-105	M - N	163	-939
G - H	963	-105			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - Y	1160	-190	U - S	399	-64
Y - X	1159	-190	R - Q	181	-479
V - U	975	-126	P - N	751	-66

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
X - V	891	-97	H - R	282	-1334
E - U	192	-795	H - J	805	-163
U - F	674	-105	R - J	271	-1113
F - S	391	-1622	J - Q	642	-63
S - H	800	-127	Q - L	137	-550
S - R	461	-1377	L - P	681	-191

Lumber

Top chord: 2x4 SP #2; T2,T3,
T4 2x6 SP 2400f-2.0E;
Bot chord: 2x6 SP 2400f-2.0E; B1,B2 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.

Purlins

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

Wind

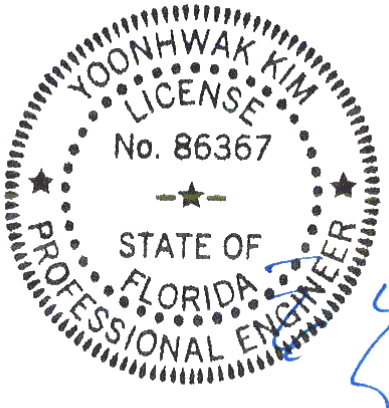
Wind loads based on MWFRS with additional C&C member design.

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 6-11-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
04/28/2020

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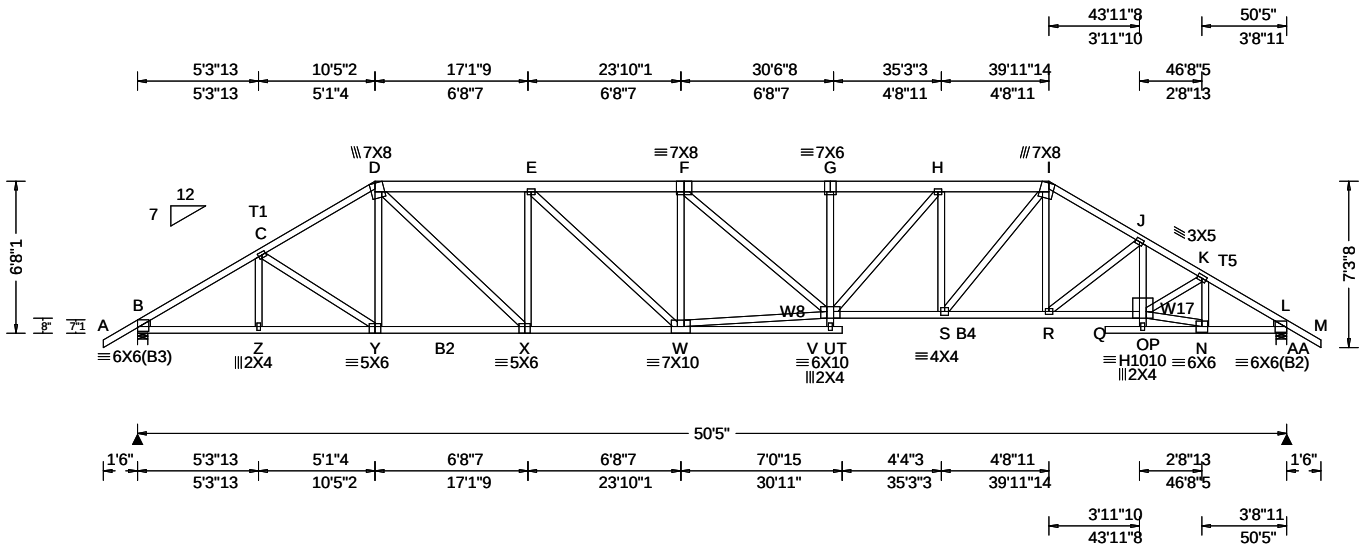
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 314441 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4111 /Jerri & Paula Payne /ZECHER CONSTRUCTION **Truss Label:** A13		Cust: R 215 JRef:1WUT2150007 T1 DrwNo: 119.20.1032.55910 / YK 04/28/2020	



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
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: 5.04 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): 0.338 G 999 240 VERT(CL): 0.696 G 868 180 HORZ(LL): 0.154 N - - HORZ(TL): 0.316 N - - Creep Factor: 2.0 Max TC CSI: 0.971 Max BC CSI: 0.946 Max Web CSI: 0.917 VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	2198	/-	/-	/1268	/141	/219
AA	2198	/-	/-	/1270	/142	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.8
AA Brg Width = 5.5 Min Req = 1.8
Bearings B & AA 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	853	-3458	G - H	1239	-4604
C - D	872	-3246	H - I	1069	-3908
D - E	1050	-3760	I - J	949	-3588
E - F	1152	-4198	J - K	1055	-4218
F - G	1235	-4585	K - L	812	-3338

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - Z	2872	-617	U - S	3964	-850
Z - Y	2873	-618	S - R	3058	-627
Y - X	2759	-560	R - O	3648	-802
X - W	3797	-832	N - L	2764	-618

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - X	1389	-361	S - I	1350	-354
X - E	274	-837	I - R	438	-102
E - W	555	-136	R - J	226	-762
W - F	226	-741	J - O	572	-108
W - U	4062	-895	O - N	2744	-611
F - U	488	-102	O - K	1048	-219
U - H	984	-245	N - K	252	-1018
H - S	316	-1054			

Lumber

Top chord: 2x6 SP 2400f-2.0E; T1 2x4 SP M-31;
T5 2x4 SP #2;
Bot chord: 2x4 SP M-31; B2,B4 2x4 SP #2;
Webs: 2x4 SP #3; W8,W17 2x4 SP #2;
Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

Plating Notes

All plates are 3X4 except as noted.

Purlins

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

Wind

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

Additional Notes

Refer to General Notes for additional information

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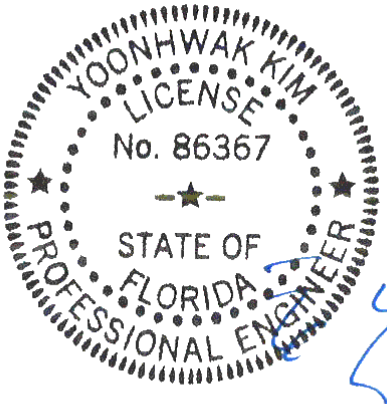
The overall height of this truss excluding overhang is 6-8-1.



FL REG# 278, Yoonhwak Kim, FL PE #86367
04/28/2020

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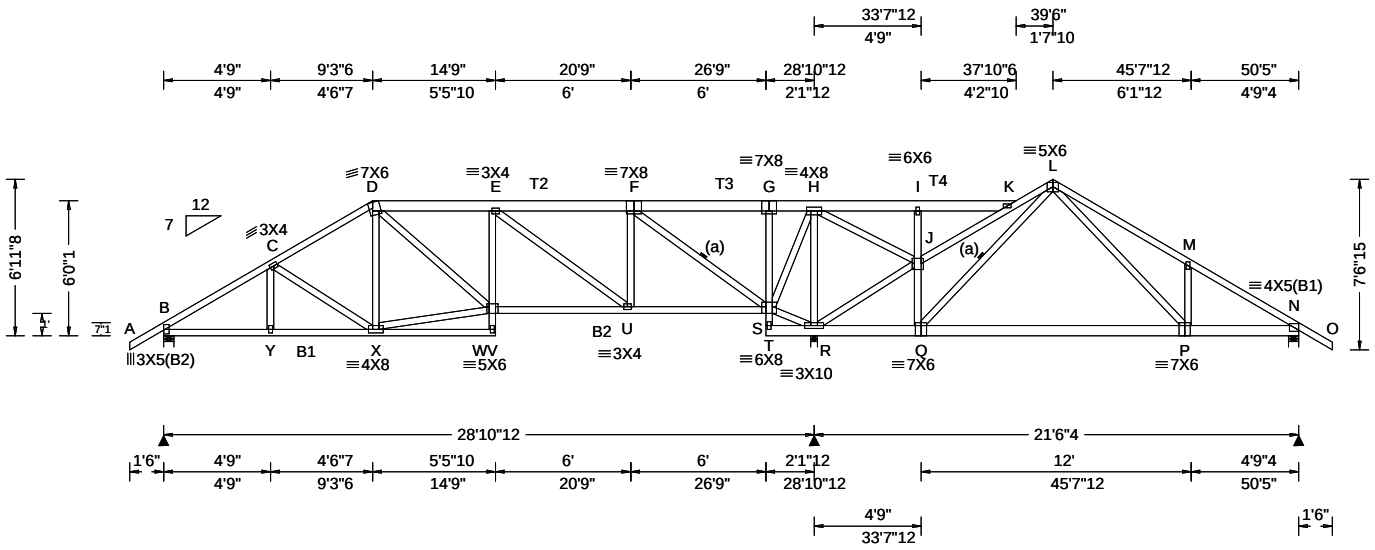
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 314442 COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4111 /Jerri & Paula Payne /ZECHER CONSTRUCTION **Truss Label:** A14		Cust: R 215 JRef:1WUT2150007 T10 DrwNo: 119.20.1032.58037 / YK 04/28/2020	



Loading Criteria (psf)

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 Criteria
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: 5.04 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.066	V	999	240
VERT(CL): 0.146	V	999	180
HORZ(LL): 0.032	L	-	-
HORZ(TL): 0.072	L	-	-

Creep Factor: 2.0
Max TC CSI: 0.525
Max BC CSI: 0.735
Max Web CSI: 0.902

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

		Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh		/ Rw	/ U	/ RL
B	1129	/-	/-		/683	/194	/226
R	2617	/-	/-		/1341	/465	/-
N	780	/-	/-		/526	/117	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
R Brg Width = 3.5 Min Req = 1.8
N Brg Width = 5.5 Min Req = 1.5
Bearings B, R, & N 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	357	- 1558	G - H	837	- 164
C - D	355	- 1284	K - L	552	- 87
D - E	384	- 1365	L - M	285	- 981
E - F	209	- 781	M - N	169	- 980
F - G	834	- 164			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - Y	1260	- 211	U - S	748	- 94
Y - X	1260	- 212	R - Q	185	- 504
V - U	1369	- 196	P - N	787	- 71

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - V	400	- 96	H - R	276	- 1363
X - V	1056	- 132	H - J	970	- 183
E - U	224	- 821	R - J	296	- 1053
U - F	631	- 110	J - Q	752	- 79
F - S	429	- 1693	Q - L	157	- 726
S - H	858	- 131	L - P	662	- 189
S - R	493	- 1286			

Lumber

Top chord: 2x4 SP #2; T2,T3,
T4 2x6 SP 2400f-2.0E;
Bot chord: 2x6 SP 2400f-2.0E; B1,B2 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.

Purlins

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

Wind

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

Additional Notes

Refer to General Notes for additional information

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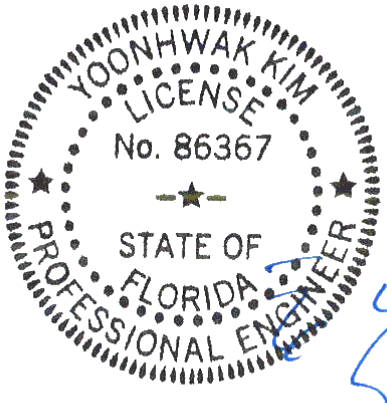

FL REG# 278, Yoonhwak Kim, FL PE #86367
04/28/2020

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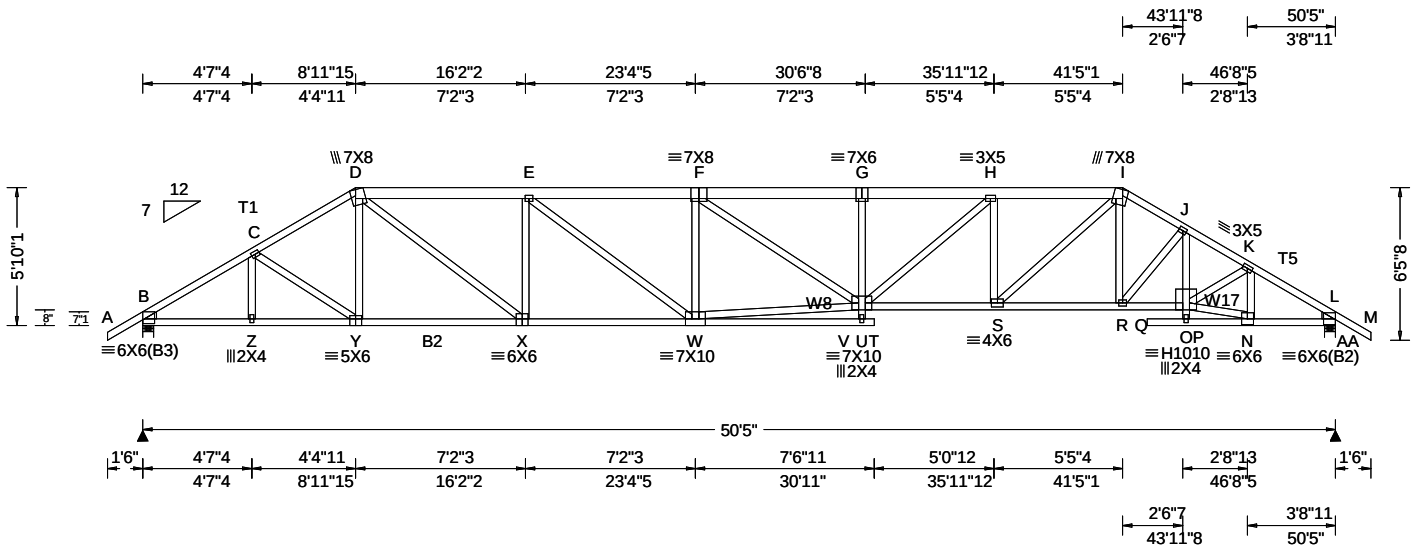
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 314443 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4111 /Jerri & Paula Payne /ZECHER CONSTRUCTION **Truss Label:** A15		Cust: R 215 JRef:1WUT2150007 T3 DrwNo: 119.20.1033.01623 / YK 04/28/2020	



Loading Criteria (psf)

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 Criteria
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: 5.04 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.373	G	999	240
VERT(CL): 0.768	G	786	180
HORZ(LL): 0.145	N	-	-
HORZ(TL): 0.299	N	-	-

Creep Factor: 2.0
Max TC CSI: 0.970
Max BC CSI: 0.855
Max Web CSI: 0.663

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	2198	/-	/-	/1253	/398	/195
AA	2198	/-	/-	/1255	/399	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.8
AA Brg Width = 5.5 Min Req = 1.8
Bearings B & AA 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	856	-3427	G - H	1436	-5430
C - D	889	-3320	H - I	1202	-4468
D - E	1157	-4213	I - J	988	-3720
E - F	1302	-4835	J - K	1067	-4212
F - G	1431	-5407	K - L	827	-3339

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - Z	2843	-624	U - S	4538	-1009
Z - Y	2845	-625	S - R	3200	-676
Y - X	2841	-598	R - O	3639	-805
X - W	4262	-968	N - L	2766	-632

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - X	1739	-448	H - S	345	-1144
X - E	301	-933	S - I	1714	-444
E - W	725	-177	I - R	433	-109
W - F	255	-829	R - J	208	-702
W - U	4691	-1067	J - O	629	-136
F - U	664	-149	O - N	2741	-624
U - H	1177	-294	O - K	1033	-206
G - U	143	-375	N - K	258	-1017

Lumber

Top chord: 2x6 SP 2400f-2.0E; T1 2x4 SP M-31;
T5 2x4 SP #2;
Bot chord: 2x4 SP M-31; B2 2x4 SP #2;
Webs: 2x4 SP #3; W8 2x4 SP M-31; W17 2x4 SP #2;
Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

Plating Notes

All plates are 3X4 except as noted.

Purlins

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

Wind

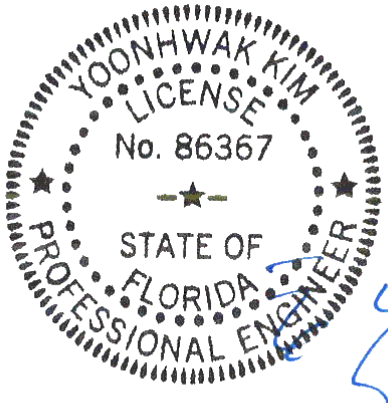
Wind loads based on MWFRS with additional C&C member design.

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 5-10-1.



FL REG# 278, Yoonhwak Kim, FL PE #86367
04/28/2020

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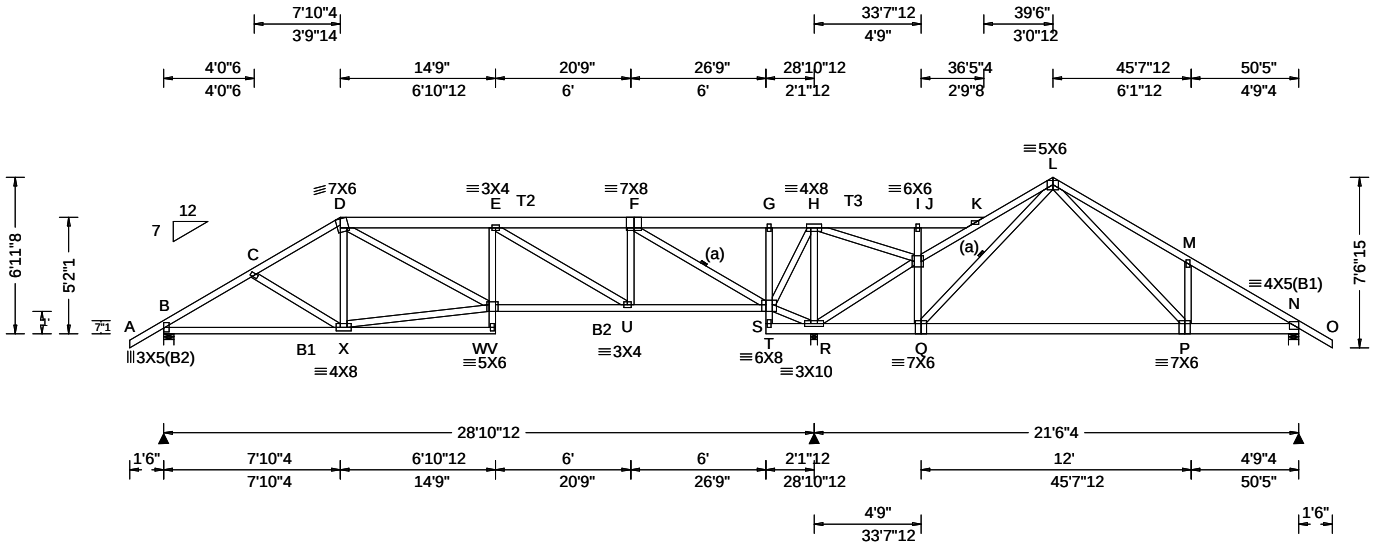
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 314444 COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4111 /Jerri & Paula Payne /ZECHER CONSTRUCTION **Truss Label:** A16	Cust: R 215 JRef:1WUT2150007 T26 DrwNo: 119.20.1033.03920 / YK 04/28/2020



Loading Criteria (psf)

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 Criteria
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: 5.04 ft
Loc. from endwall: not in 6.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.079	V	999	240
VERT(CL): 0.177	V	999	180
HORZ(LL): 0.035	L	-	-
HORZ(TL): 0.079	L	-	-

Creep Factor: 2.0
Max TC CSI: 0.648
Max BC CSI: 0.729
Max Web CSI: 0.938

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1128	/-	/-	/671	/195	/226
R	2605	/-	/-	/1334	/465	/-
N	793	/-	/-	/524	/116	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
R Brg Width = 3.5 Min Req = 1.8
N Brg Width = 5.5 Min Req = 1.5
Bearings B, R, & N 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	383	- 1559	G - H	979	- 224
C - D	363	- 1374	J - K	427	- 360
D - E	442	- 1684	K - L	684	- 149
E - F	213	- 942	L - M	284	- 1003
F - G	978	- 225	M - N	169	- 1002

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - X	1263	- 242	R - Q	199	- 601
V - U	1693	- 280	P - N	805	- 70
U - S	900	- 141			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - V	603	- 148	H - R	241	- 1194
X - V	1119	- 165	H - J	1067	- 199
E - U	276	- 966	R - J	318	- 1196
U - F	627	- 118	J - Q	805	- 101
F - S	492	- 1912	Q - L	185	- 817
S - H	822	- 137	L - P	653	- 188
S - R	525	- 1471			

Lumber

Top chord: 2x4 SP #2; T2,T3 2x6 SP 2400f-2.0E;
Bot chord: 2x6 SP 2400f-2.0E; B1,B2 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.

Purlins

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

Wind

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

Additional Notes

Refer to General Notes for additional information

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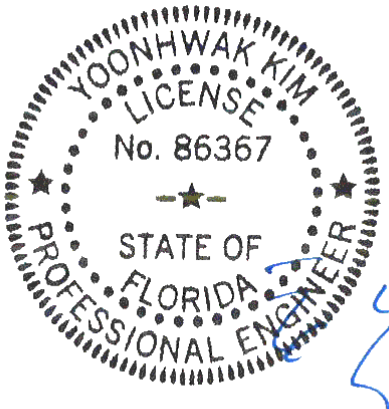
The overall height of this truss excluding overhang is 6-11-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
04/28/2020

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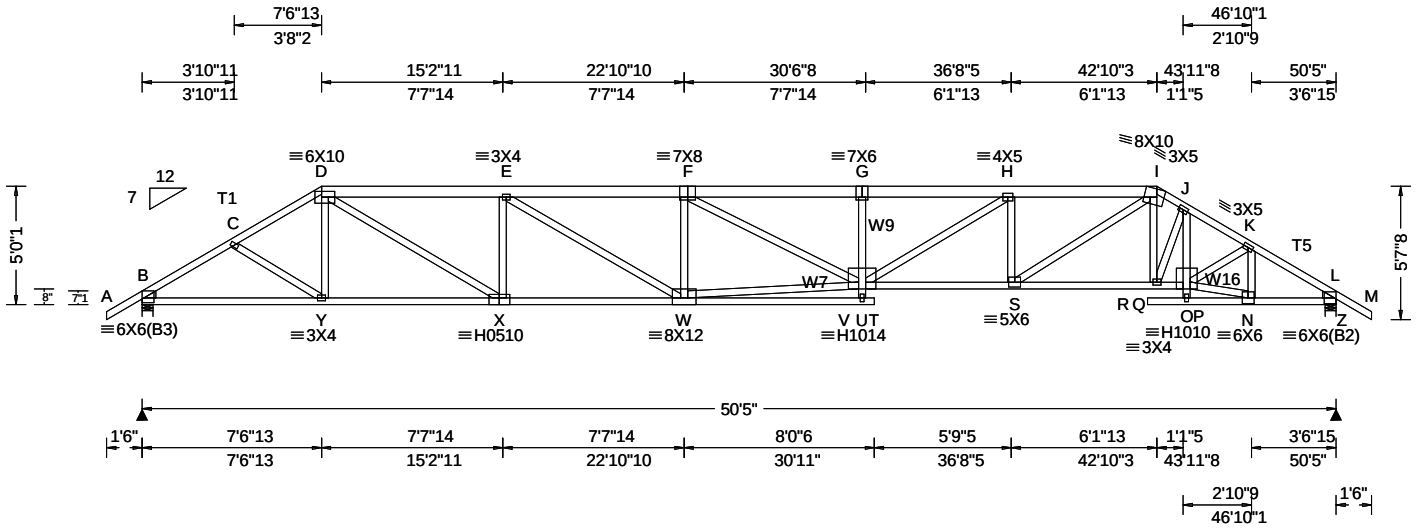
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 314445 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4111 /Jerri & Paula Payne /ZECHER CONSTRUCTION **Truss Label:** A17		Cust: R 215 JRef:1WUT2150007 T25 DrwNo: 119.20.1033.06660 / YK 04/28/2020	



Loading Criteria (psf)

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 Criteria
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: 5.04 ft
Loc. from endwall: not in 6.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.479	G	999	240
VERT(CL): 0.985	G	613	180
HORZ(LL): 0.157	N	-	-
HORZ(TL): 0.323	N	-	-

Creep Factor: 2.0
Max TC CSI: 0.970
Max BC CSI: 0.671
Max Web CSI: 0.857

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	2198	/-	/-	/1238	/401	/172
Z	2198	/-	/-	/1238	/401	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.8
Z Brg Width = 5.5 Min Req = 1.8
Bearings B & Z 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	888	- 3460	G - H	1723	- 6616
C - D	892	- 3364	H - I	1389	- 5245
D - E	1302	- 4816	I - J	1025	- 3856
E - F	1506	- 5693	J - K	1075	- 4210
F - G	1713	- 6571	K - L	840	- 3339

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - Y	2856	- 654	S - Q	3381	- 733
Y - X	2903	- 628	Q - O	3645	- 808
X - W	4879	- 1142	N - L	2766	- 642
U - S	5336	- 1221			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - X	2249	- 580	H - S	371	- 1225
X - E	325	- 1021	S - I	2237	- 574
E - W	956	- 233	I - Q	382	- 99
W - F	287	- 931	Q - J	209	- 735
W - U	5462	- 1275	J - O	813	- 194
F - U	955	- 225	O - N	2739	- 634
G - U	156	- 406	O - K	1028	- 200
U - H	1509	- 378	N - K	262	- 1017

Lumber

Top chord: 2x6 SP 2400f-2.0E; T1 2x4 SP M-31;
T5 2x4 SP #2;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3; W7 2x4 SP M-31; W9,
W16 2x4 SP #2;
Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

Plating Notes

All plates are 2X4 except as noted.

Purlins

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

Wind

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

Additional Notes

Refer to General Notes for additional information

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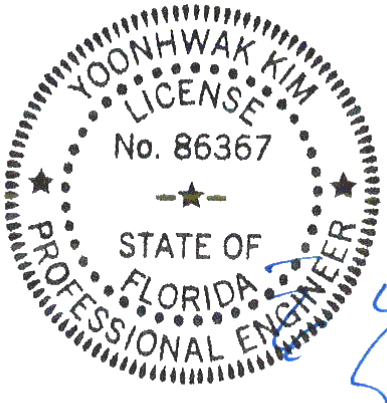
The overall height of this truss excluding overhang is 5-0-1.



FL REG# 278, Yoonhwak Kim, FL PE #86367
04/28/2020

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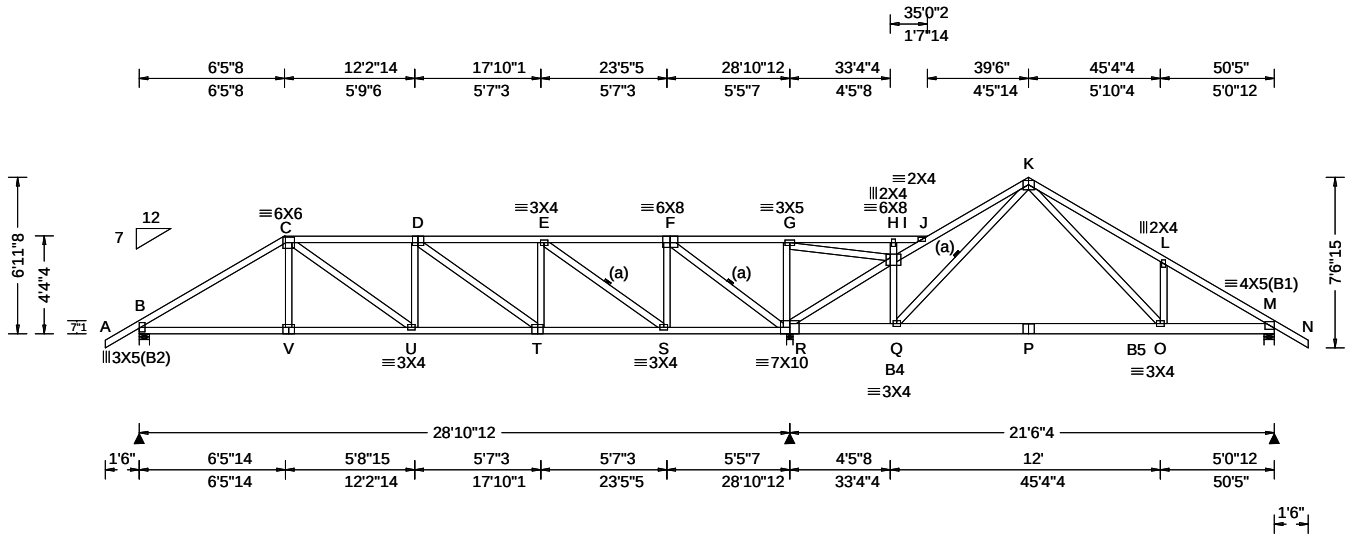
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 314446 COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4111 /Jerri & Paula Payne /ZECHER CONSTRUCTION **Truss Label:** A18	Cust: R 215 JRef:1WUT2150007 T30 DrwNo: 119.20.1033.08933 / YK 04/28/2020	



Loading Criteria (psf)

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 Criteria
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: 5.04 ft
Loc. from endwall: not in 6.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.082	D	999	240
VERT(CL): 0.182	D	999	180
HORZ(LL): 0.030	O	-	-
HORZ(TL): 0.063	K	-	-

Creep Factor: 2.0
Max TC CSI: 0.710
Max BC CSI: 0.662
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	1144	/-	/-	/568	/68	/226
R	2551	/-	/-	/983	/41	/-
M	815	/-	/-	/539	/147	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
R Brg Width = 3.5 Min Req = 2.5
M Brg Width = 5.5 Min Req = 1.5
Bearings B, R, & 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	66	-1559	I - J	379	-487
C - D	15	-1626	J - K	600	-264
D - E	0	-1354	K - L	359	-1038
E - F	105	-440	L - M	246	-1041
F - G	1384	-51			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - V	1250	-139	R - Q	155	-520
V - U	1253	-139	Q - P	396	-7
U - T	1637	-94	P - O	396	-7
T - S	1331	-87	O - M	838	-136
S - R	384	-144			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - U	460	-55	G - R	0	-525
D - T	43	-416	G - I	1066	0
T - E	410	-9	R - I	241	-1384
E - S	24	-1185	I - Q	754	0
S - F	828	0	Q - K	0	-740
F - R	0	-1935	K - O	640	-175

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B4,B5 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3;

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

Plating Notes
All plates are 5X6 except as noted.

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

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

Additional Notes
Refer to General Notes for additional information

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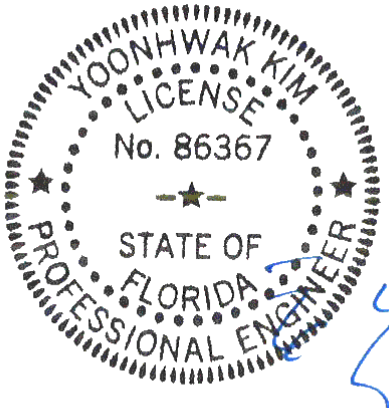

FL REG# 278, Yoonhwak Kim, FL PE #86367
04/28/2020

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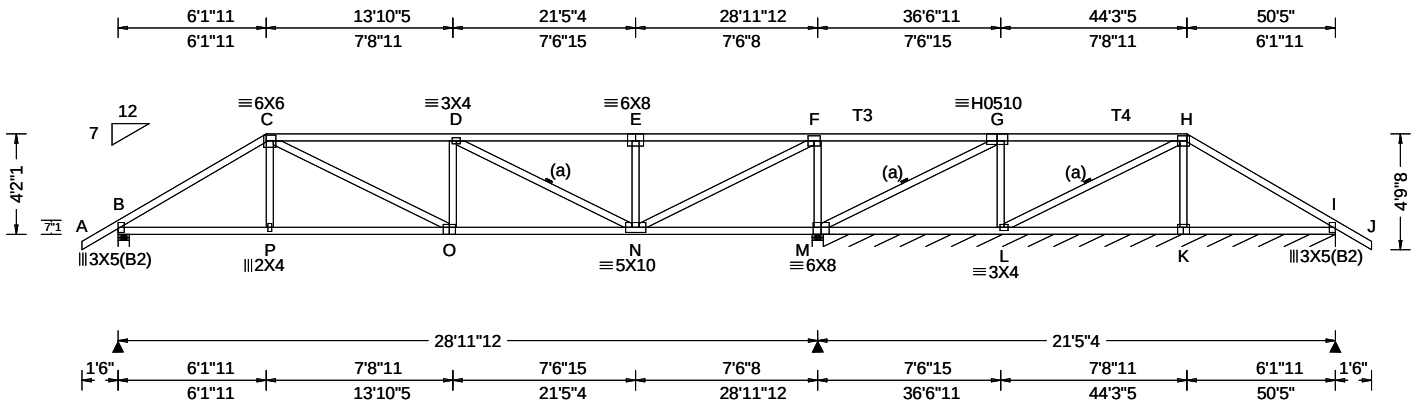
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 314447 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4111 /Jerri & Paula Payne /ZECHER CONSTRUCTION **Truss Label:** A19		Cust: R 215 JRef:1WUT2150007 T18 DrwNo: 119.20.1033.12457 / YK 04/28/2020	



Loading Criteria (psf)
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 Criteria
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: 5.04 ft
Loc. from endwall: not in 6.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.109	D	999	240
VERT(CL): 0.225	D	999	180
HORZ(LL): 0.030	C	-	-
HORZ(TL): 0.061	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.758
Max BC CSI: 0.769
Max Web CSI: 0.858

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1151	/-	/-	/693	/213	/148
M	2123	/-	/-	/1061	/398	/-
I*	63	/-	/-	/33	/9	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
M Brg Width = 5.5 Min Req = 2.5
I Brg Width = 254 Min Req = -
Bearings B, M, & 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	428	- 1600	E - F	325	- 935
C - D	529	- 1755	F - G	1167	- 218
D - E	325	- 935			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - P	1291	- 255	O - N	1760	- 380
P - O	1295	- 254	N - M	340	- 1060

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - O	516	- 157	F - M	435	- 1523
D - N	256	- 944	M - G	301	- 978
E - N	174	- 467	L - H	203	- 517
N - F	2254	- 557			

Lumber
Top chord: 2x4 SP #2; T3,T4 2x4 SP M-31;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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

Plating Notes
All plates are 5X6 except as noted.

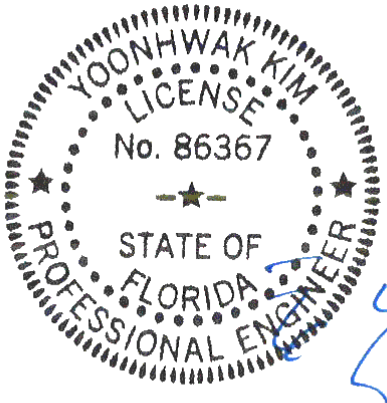
Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

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

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 4-2-1.



FL REG# 278, Yoonhwak Kim, FL PE #86367
04/28/2020

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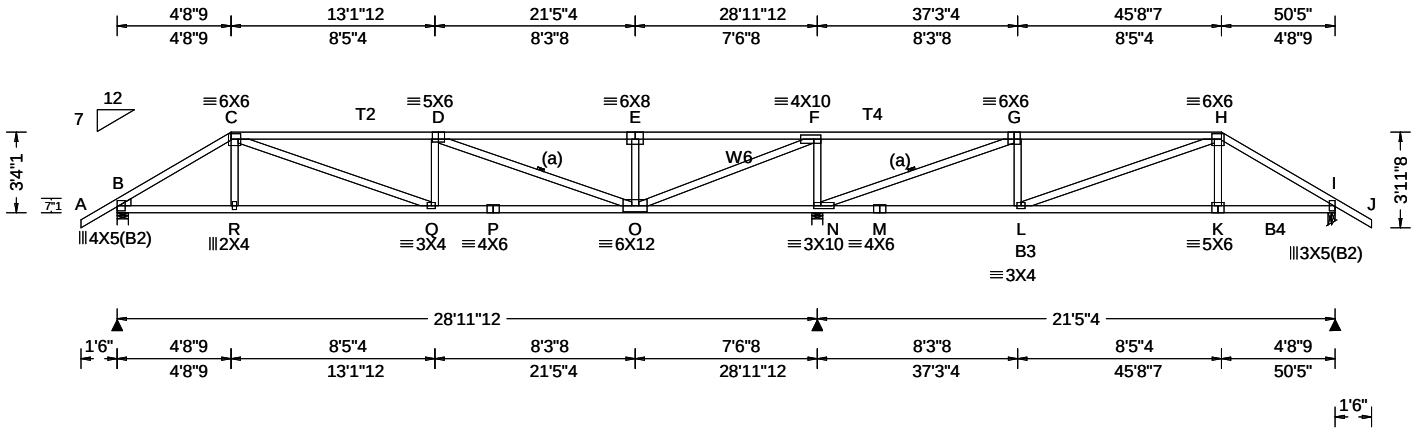
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 314448 HIPS FROM: CDM Page 1 of 2	Ply: 2 Qty: 1	**Job Number:** 20-4111 /Jerri & Paula Payne /ZECHER CONSTRUCTION **Truss Label:** A20		Cust: R 215 JRef:1WUT2150007 T37 DrwNo: 119.20.1033.29507 / YK 04/28/2020	

2 Complete Trusses Required



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

Wind Criteria
Wind Std: ASCE 7-10
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: 5.04 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.171	D	999	240
VERT(CL): 0.347	D	999	180
HORZ(LL): 0.044	K	-	-
HORZ(TL): 0.089	K	-	-

Creep Factor: 2.0
Max TC CSI: 0.989
Max BC CSI: 0.816
Max Web CSI: 1.000

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	2490	/-	/-	/-	/499	/-
N	6425	/-	/-	/-	/1281	/-
I	1521	/-	/-	/-	/299	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
N Brg Width = 5.5 Min Req = 2.3
I Brg Width = 3.5 Min Req = 1.5
Bearings B, N, & I are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	400	- 2051	F - G	2242	- 452
C - D	520	- 2678	G - H	97	- 614
D - E	229	- 1220	H - I	225	- 1197
E - F	229	- 1220			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - R	1724	- 332	N - M	570	- 96
R - Q	1736	- 330	M - L	570	- 96
Q - P	2679	- 529	L - K	1013	- 182
P - O	2679	- 529	K - I	1000	- 184
O - N	409	- 2064			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - Q	1003	- 202	F - N	453	- 1859
D - O	320	- 1583	N - G	587	- 2898
E - O	177	- 484	G - L	487	- 6
O - F	3489	- 691	L - H	91	- 511

Lumber
Top chord: 2x4 SP #2; T2,T4 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B3,B4 2x4 SP #2;
Webs: 2x4 SP #3; W6 2x4 SP #2;
Lt Wedge: 2x4 SP #3;

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

Nailnote
Nail Schedule:0.131"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.

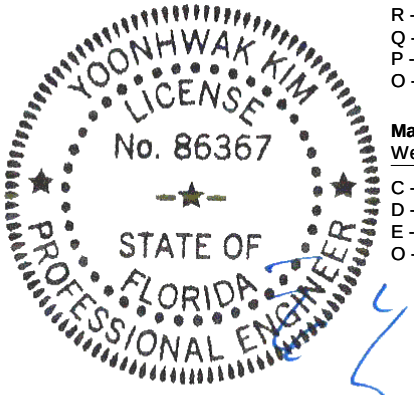
Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

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 3-4-1.



FL REG# 278, Yoonhwak Kim, FL PE #86367
04/28/2020

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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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6750 Forum Drive
Suite 305
Orlando FL, 32821

Special Loads

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

TC: From	63 plf at	-1.50 to	63 plf at	4.71
TC: From	32 plf at	4.71 to	32 plf at	45.71
TC: From	63 plf at	45.71 to	63 plf at	51.92
BC: From	5 plf at	-1.50 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	4.60
BC: From	10 plf at	4.60 to	10 plf at	45.81
BC: From	20 plf at	45.81 to	20 plf at	50.42
BC: From	5 plf at	50.42 to	5 plf at	51.92

TC: 361 lb Conc. Load at 4.60,45.81

TC: 187 lb Conc. Load at 6.63, 8.63,10.63,12.63 14.63,16.63,18.63,20.63,22.63,24.63,25.78,27.78 29.78,31.78,33.78,35.78,37.78,39.78,41.78,43.78

BC: 330 lb Conc. Load at 4.60,45.81

BC: 129 lb Conc. Load at 6.63, 8.63,10.63,12.63 14.63,16.63,18.63,20.63,22.63,24.63,25.78,27.78 29.78,31.78,33.78,35.78,37.78,39.78,41.78,43.78

FL REG# 278, Yoonhwak Kim, FL PE #86367
04/28/2020

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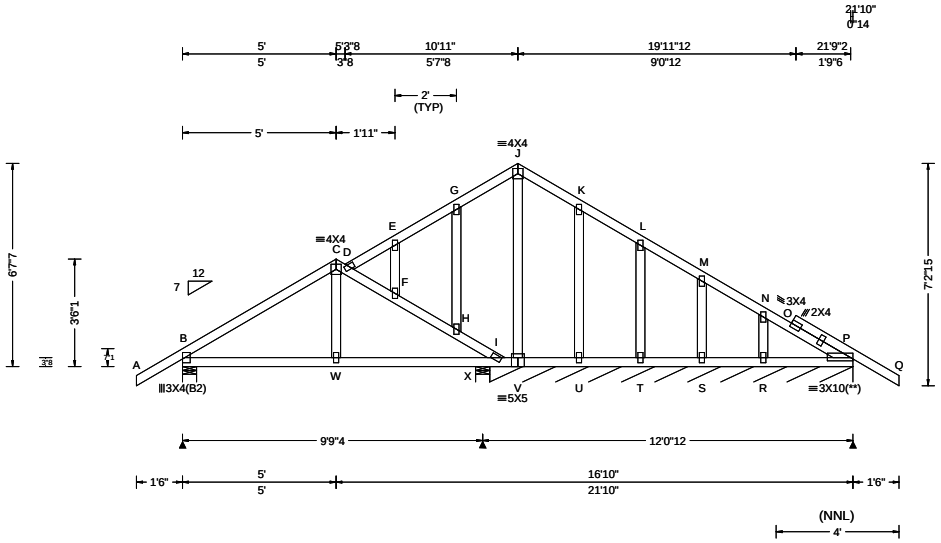
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 314466 SPEC FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4111 /Jerri & Paula Payne /ZECHER CONSTRUCTION **Truss Label:** B01	Cust: R 215 JRef:1WUT2150007 T15 DrwNo: 119.20.1033.37443 / YK 04/28/2020	



Loading Criteria (psf)
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 Criteria
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.024	G	999	240
VERT(CL): 0.057	G	999	180
HORZ(LL): -0.015	H	-	-
HORZ(TL): 0.035	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.301
Max BC CSI: 0.263
Max Web CSI: 0.237

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	469	/-	/-	/294	/87	/209
X	196	/-	/-	/137	/-	/-
P*	123	/-	/-	/62	/23	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
X Brg Width = 5.5 Min Req = 1.5
P Brg Width = 142 Min Req = -
Bearings B, X, & I are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	121	-382	F - H	185	-430
D - F	162	-390	H - I	225	-499

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
W - I	559	-233

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

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 6-7-7.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
04/28/2020

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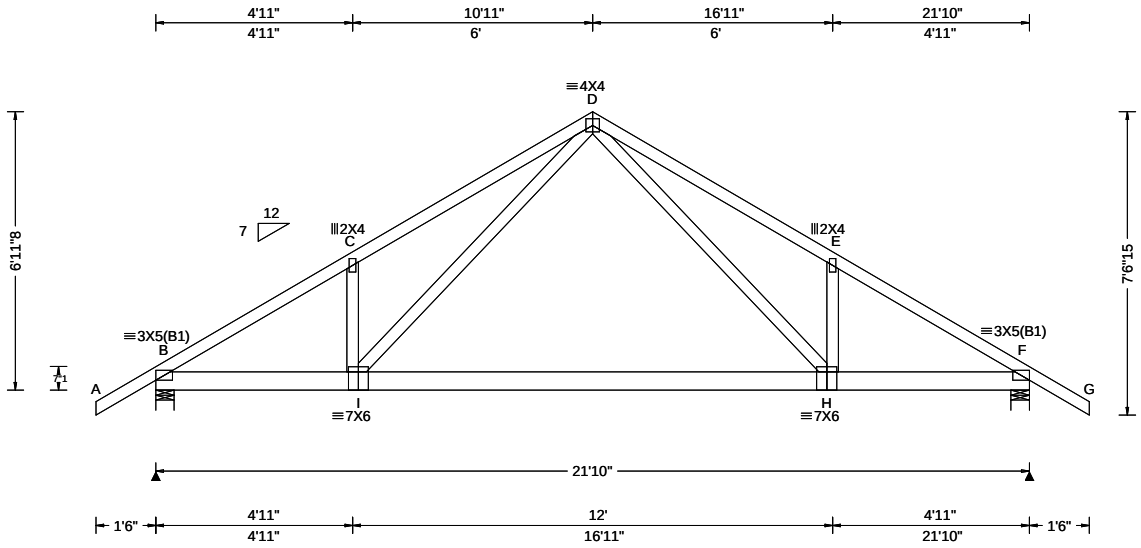
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 314450 COMN FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 20-4111 /Jerri & Paula Payne /ZECHER CONSTRUCTION **Truss Label:** B02		Cust: R 215 JRef:1WUT2150007 T7 DrwNo: 119.20.1033.41480 / YK 04/28/2020	



Loading Criteria (psf)
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 Criteria
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.052	H	999	240
VERT(CL): 0.098	H	999	180
HORZ(LL): 0.020	C	-	-
HORZ(TL): 0.037	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.422
Max BC CSI: 0.264
Max Web CSI: 0.314

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1102	/-	/-	/608	/174	/207
F	1103	/-	/-	/608	/174	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
F Brg Width = 5.5 Min Req = 1.5
Bearings B & F are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	363	- 1627	D - E	485	- 1614
C - D	486	- 1611	E - F	361	- 1629

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - I	1336	- 204	H - F	1338	- 216
I - H	816	- 62			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
I - D	749	- 211	D - H	753	- 210

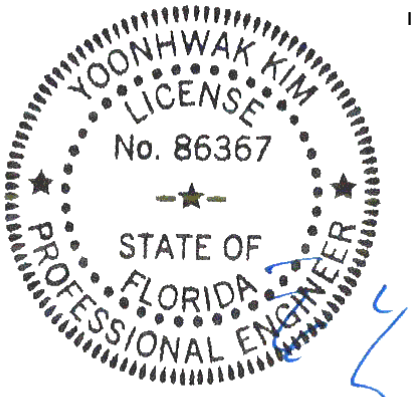
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3;

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 6-11-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
04/28/2020

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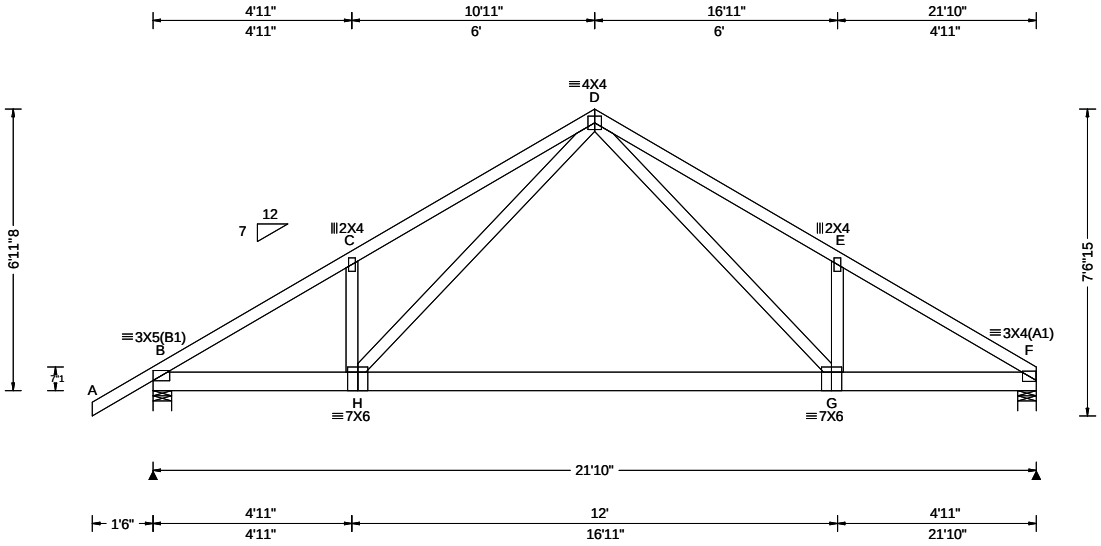
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 314451 COMN FROM: CDM	Ply: 1 Qty: 3	**Job Number:** 20-4111 /Jerri & Paula Payne /ZECHER CONSTRUCTION **Truss Label:** B03	Cust: R 215 JRef:1WUT2150007 T6 DrwNo: 119.20.1033.44620 / YK 04/28/2020



Loading Criteria (psf)

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 Criteria
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 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.052	H	999	240
VERT(CL): 0.098	H	999	180
HORZ(LL): 0.020	C	-	-
HORZ(TL): 0.037	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.420
Max BC CSI: 0.264
Max Web CSI: 0.299

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1106	/-	/-	/608	/175	/191
F	997	/-	/-	/521	/146	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
F Brg Width = 5.5 Min Req = 1.5
Bearings B & F are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	270	- 1633	D - E	396	- 1646
C - D	375	- 1618	E - F	290	- 1657

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - H	1342	- 181	G - F	1367	- 190
H - G	823	- 68			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
H - D	748	- 153	D - G	784	- 166

Lumber

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

Loading

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

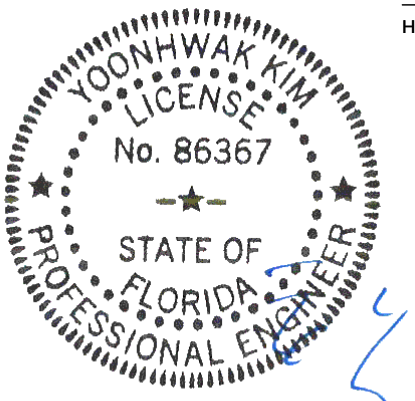
Wind

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 6-11-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
04/28/2020

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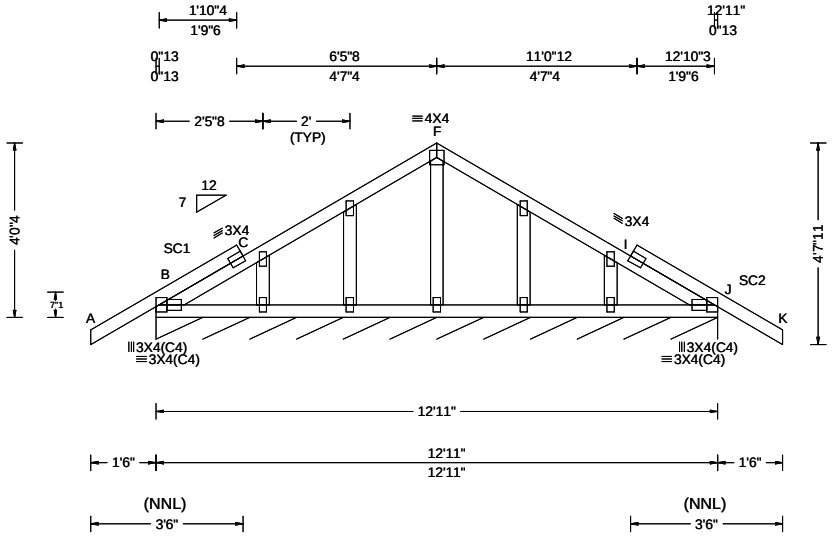
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 314452 GABL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4111 /Jerri & Paula Payne /ZECHER CONSTRUCTION **Truss Label:** C01	Cust: R 215 JRef:1WUT2150007 T27 DrwNo: 119.20.1033.48247 / YK 04/28/2020



Loading Criteria (psf)
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 Criteria
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.001	L	999	240
VERT(CL): 0.003	L	999	180
HORZ(LL): -0.001	P	-	-
HORZ(TL): 0.001	P	-	-

Creep Factor: 2.0
Max TC CSI: 0.198
Max BC CSI: 0.068
Max Web CSI: 0.038

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
J*	99	/-	/-	/51	/17	/11

Wind reactions based on MWFRS
J Brg Width = 154 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;
Stack Chord: SC1 2x4 SP #2;
Stack Chord: SC2 2x4 SP #2;

Plating Notes

All plates are 2X4 except as noted.

Wind

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

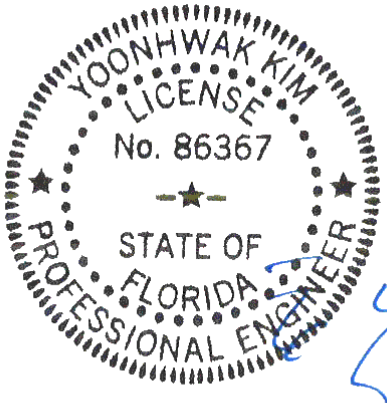
Additional Notes

Refer to General Notes for additional information

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 notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
04/28/2020

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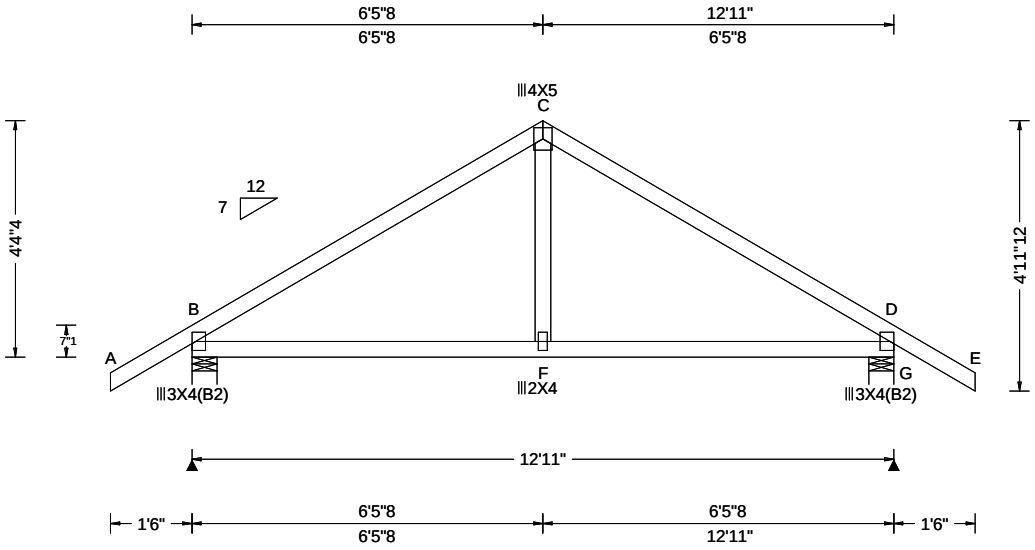
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 314453 COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4111 /Jerri & Paula Payne /ZECHER CONSTRUCTION **Truss Label:** C02	Cust: R 215 JRef:1WUT2150007 T28 DrwNo: 119.20.1033.49983 / YK 04/28/2020



Loading Criteria (psf)

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 Criteria
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.009	F	999	240
VERT(CL): 0.019	F	999	180
HORZ(LL): 0.005	F	-	-
HORZ(TL): 0.010	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.407
Max BC CSI: 0.422
Max Web CSI: 0.108

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	639	/-	/-	/396	/113	/141
G	639	/-	/-	/396	/113	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
G Brg Width = 5.5 Min Req = 1.5
Bearings B & 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.
B - C	192	-649	C - D	193	-649

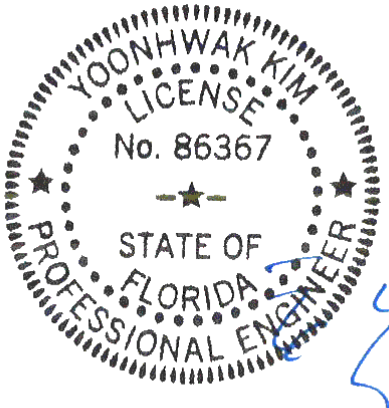
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - F	474	-42	F - D	474	-42

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
04/28/2020

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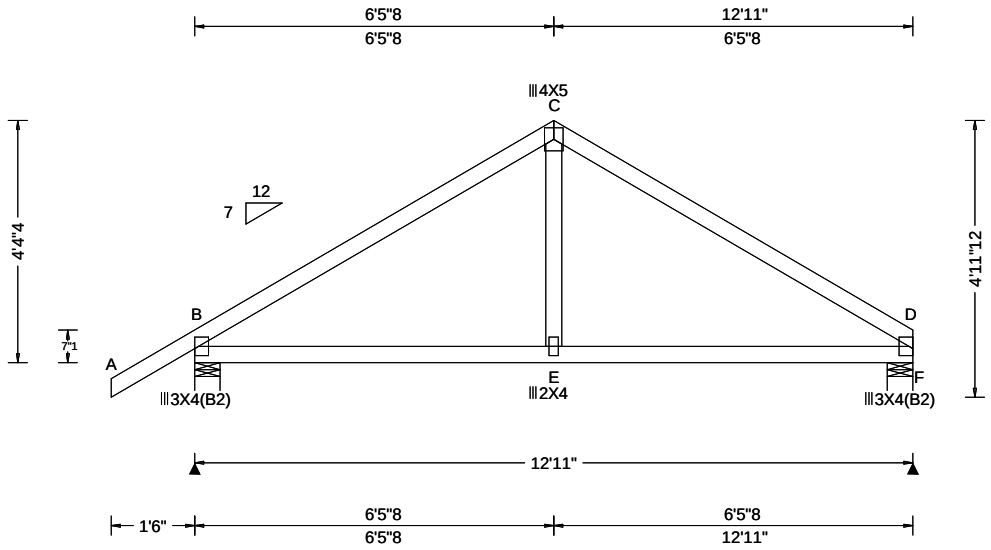
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 314454 COMN FROM: CDM	Ply: 1 Qty: 3	**Job Number:** 20-4111 /Jerri & Paula Payne /ZECHER CONSTRUCTION **Truss Label:** C03	Cust: R 215 JRef:1WUT2150007 T9 DrwNo: 119.20.1033.54220 / YK 04/28/2020



Loading Criteria (psf)
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 Criteria
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.008	E	999	240
VERT(CL): 0.016	E	999	180
HORZ(LL): 0.005	E	-	-
HORZ(TL): 0.011	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.442
Max BC CSI: 0.431
Max Web CSI: 0.109

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	645	/-	/-	/396	/115	/124
F	531	/-	/-	/307	/85	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
F Brg Width = 5.5 Min Req = 1.5
Bearings B & F are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	170	-664	C - D	177	-660

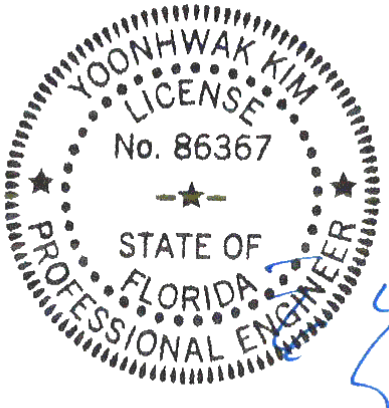
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - E	488	-73	E - D	488	-73

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
04/28/2020

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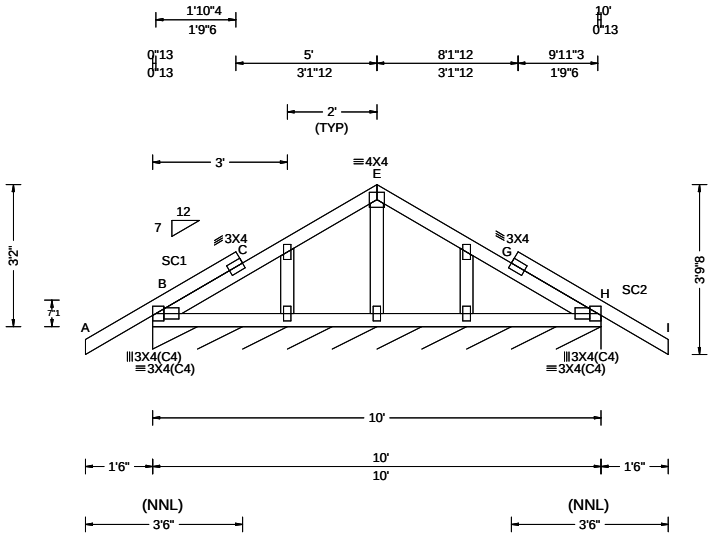
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 314455 GABL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4111 /Jerri & Paula Payne /ZECHER CONSTRUCTION **Truss Label:** D01	Cust: R 215 JRef:1WUT2150007 T21 DrwNo: 119.20.1033.57160 / YK 04/28/2020



Loading Criteria (psf)
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 Criteria
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.001	L	999	240
VERT(CL): 0.002	L	999	180
HORZ(LL): -0.001	C	-	-
HORZ(TL): 0.001	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.198
Max BC CSI: 0.067
Max Web CSI: 0.031

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
H*	103	/-	/-	/53	/18	/12

Wind reactions based on MWFRS
H Brg Width = 120 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;
Stack Chord: SC1 2x4 SP #2;
Stack Chord: SC2 2x4 SP #2;

Plating Notes
All plates are 2X4 except as noted.

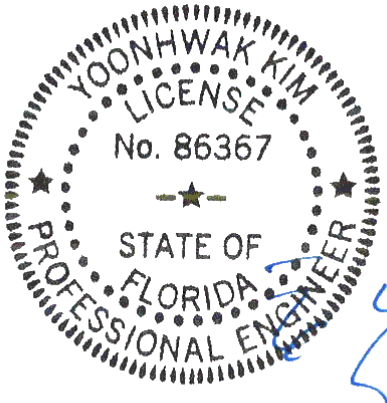
Wind
Wind loads based on MWFRS with additional C&C member design.

Additional Notes
Refer to General Notes for additional information

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 notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.

The overall height of this truss excluding overhang is 3-2-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
04/28/2020

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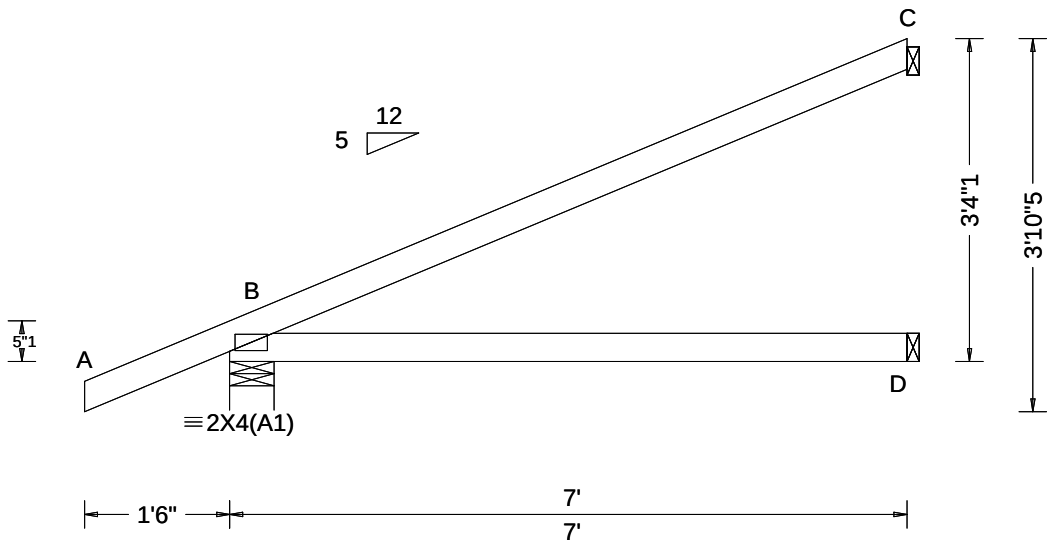
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 314456 EJAC FROM: CDM	Ply: 1 Qty: 22	**Job Number:** 20-4111 /Jerri & Paula Payne /ZECHER CONSTRUCTION **Truss Label:** J01	Cust: R 215 JRef:1WUT2150007 T35 DrwNo: 119.20.1034.12493 / YK 04/28/2020



Loading Criteria (psf)
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 Criteria
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria
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: 0.714
Max BC CSI: 0.511
Max Web CSI: 0.000

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

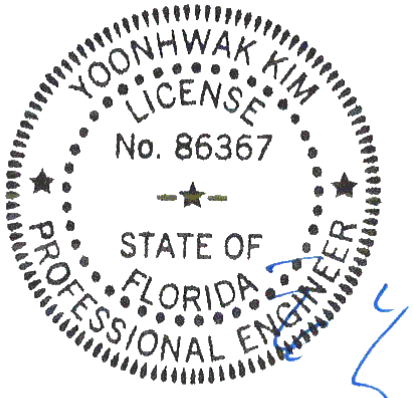
	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	404	/-	/-	/268	/62	/101
D	129	/-	/-	/87	/-	/-
C	187	/-	/-	/82	/66	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

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

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

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 3-4-1.



FL REG# 278, Yoonhwak Kim, FL PE #86367
04/28/2020

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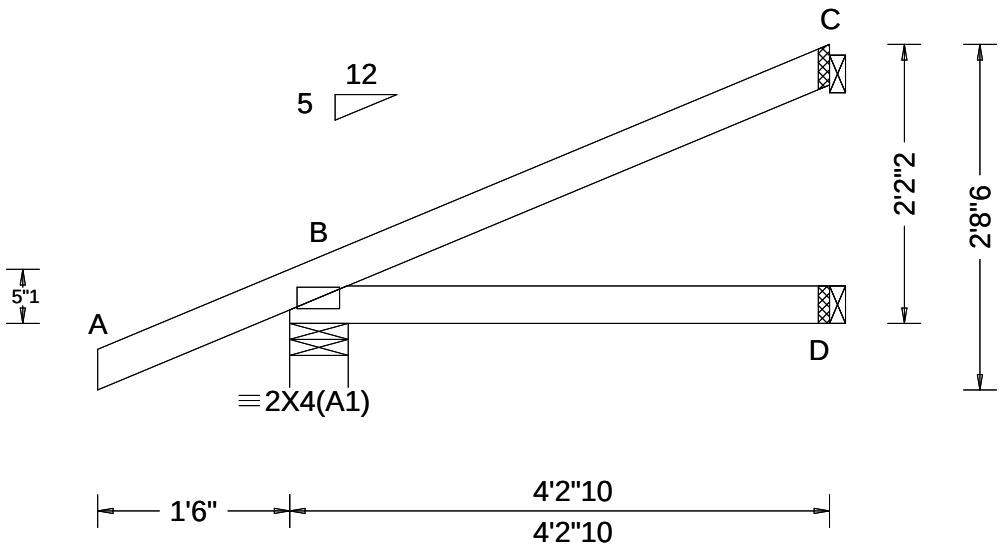
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 314457 JACK FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 20-4111 /Jerri & Paula Payne /ZECHER CONSTRUCTION **Truss Label:** J02	Cust: R 215 JRef:1WUT2150007 T33 DrwNo: 119.20.1034.19070 / YK 04/28/2020



Loading Criteria (psf)
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 Criteria
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): NA
VERT(CL): NA
HORZ(LL): 0.002 D - -
HORZ(TL): 0.003 D - -
Creep Factor: 2.0
Max TC CSI: 0.312
Max BC CSI: 0.170
Max Web CSI: 0.000

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

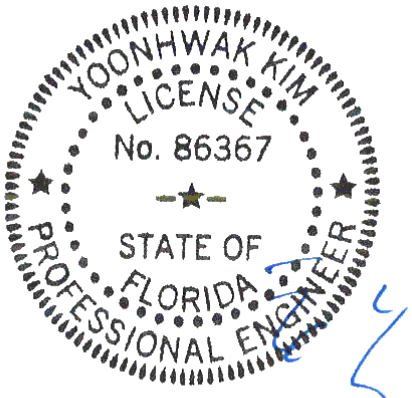
	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	299	/-	/-	/204	/51	/68
D	74	/-	/-	/53	/-	/-
C	103	/-	/-	/42	/37	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

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

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

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
04/28/2020

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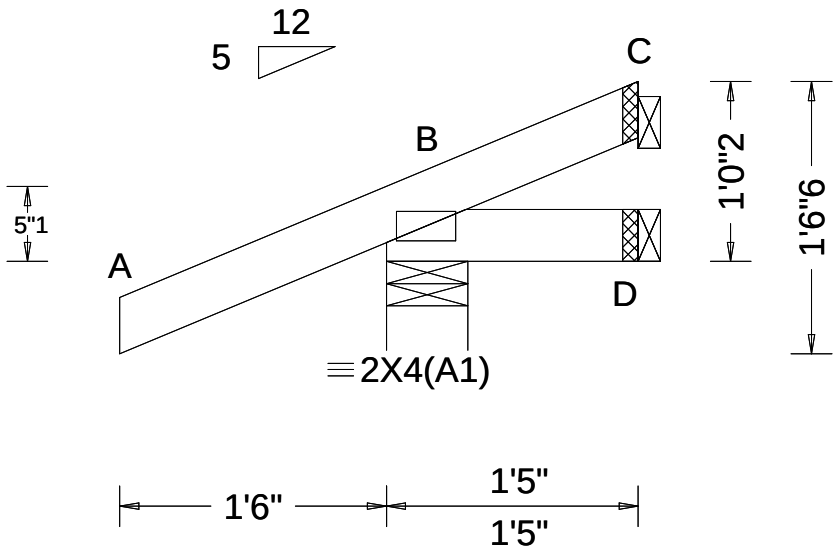
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 314458 JACK FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 20-4111 /Jerri & Paula Payne /ZECHER CONSTRUCTION **Truss Label:** J03		Cust: R 215 JRef:1WUT2150007 T34 DrwNo: 119.20.1034.26450 / YK 04/28/2020	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
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 D - - HORZ(TL): 0.001 D - - Creep Factor: 2.0 Max TC CSI: 0.279 Max BC CSI: 0.047 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	233	/-	/-	/171	/63	/34
D	16	/-4	/-	/21	/10	/-
C	-	/-14	/-	/21	/24	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

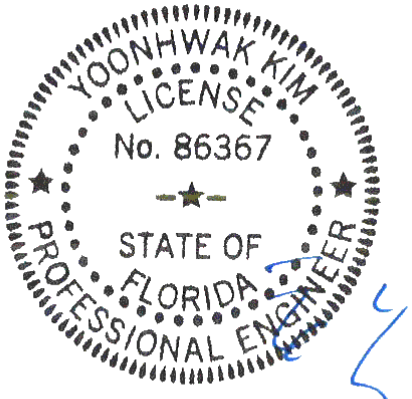
Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 1-0-2.



FL REG# 278, Yoonhwak Kim, FL PE #86367
04/28/2020

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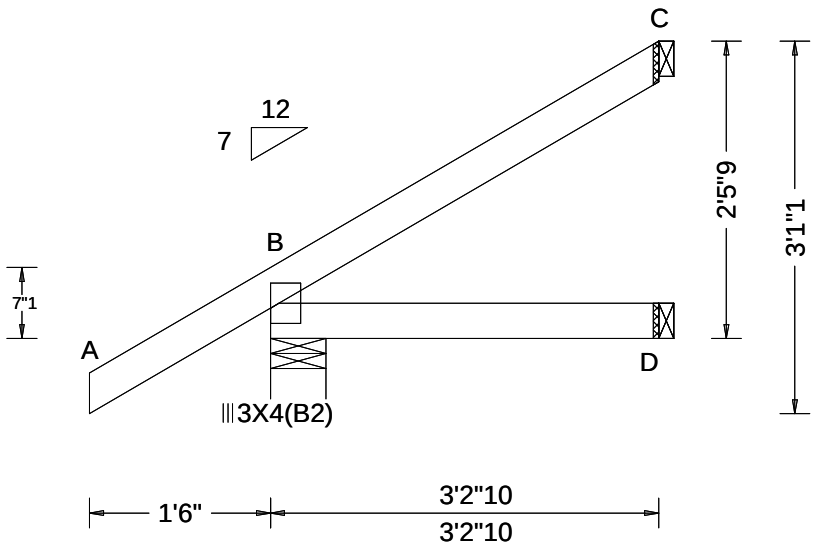
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 314459 JACK FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 20-4111 /Jerri & Paula Payne /ZECHER CONSTRUCTION **Truss Label:** J04	Cust: R 215 JRef:1WUT2150007 T11 DrwNo: 119.20.1034.28100 / YK 04/28/2020



Loading Criteria (psf)
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 Criteria
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): NA
VERT(CL): NA
HORZ(LL): 0.001 D - -
HORZ(TL): 0.001 D - -
Creep Factor: 2.0
Max TC CSI: 0.182
Max BC CSI: 0.111
Max Web CSI: 0.000

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	262	/-	/-	/194	/37	/79
D	60	/-	/-	/43	/-	/-
C	78	/-	/-	/34	/36	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

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

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

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 2-5-9.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
04/28/2020

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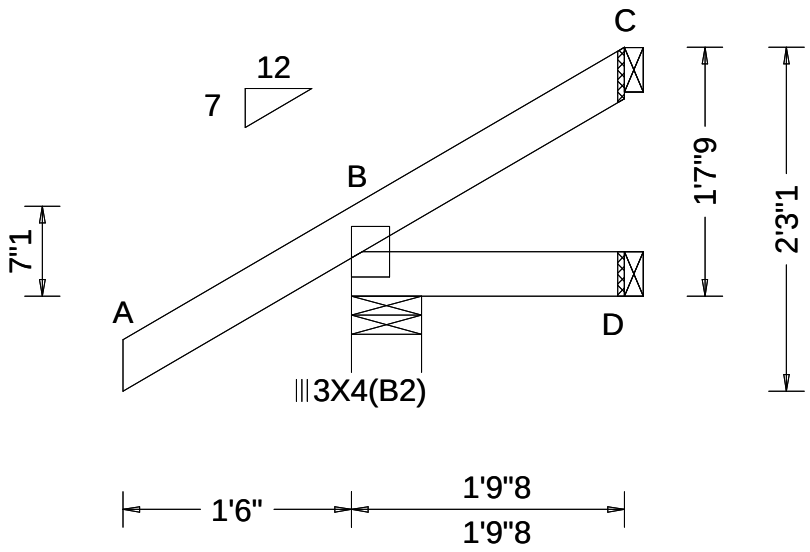
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 314460 JACK FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 20-4111 /Jerri & Paula Payne /ZECHER CONSTRUCTION **Truss Label:** J05	Cust: R 215 JRef:1WUT2150007 T29 DrwNo: 119.20.1034.29753 / YK 04/28/2020



Loading Criteria (psf)
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 Criteria
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): NA
VERT(CL): NA
HORZ(LL): -0.001 C - -
HORZ(TL): 0.002 C - -
Creep Factor: 2.0
Max TC CSI: 0.182
Max BC CSI: 0.033
Max Web CSI: 0.000

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

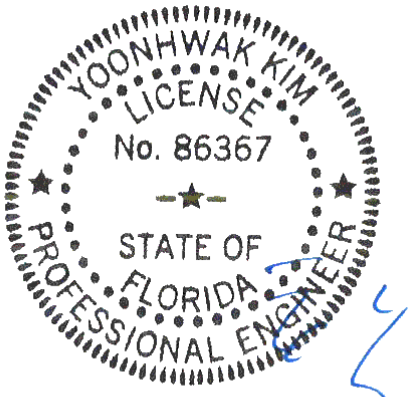
	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	223	/-	/-	/173	/40	/55
D	31	/-	/-	/24	/3	/-
C	18	/-	/-	/19	/14	/-

Wind reactions based on MWFRS
B Brg Width = 5.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

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

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

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 1-7-9.



FL REG# 278, Yoonhwak Kim, FL PE #86367
04/28/2020

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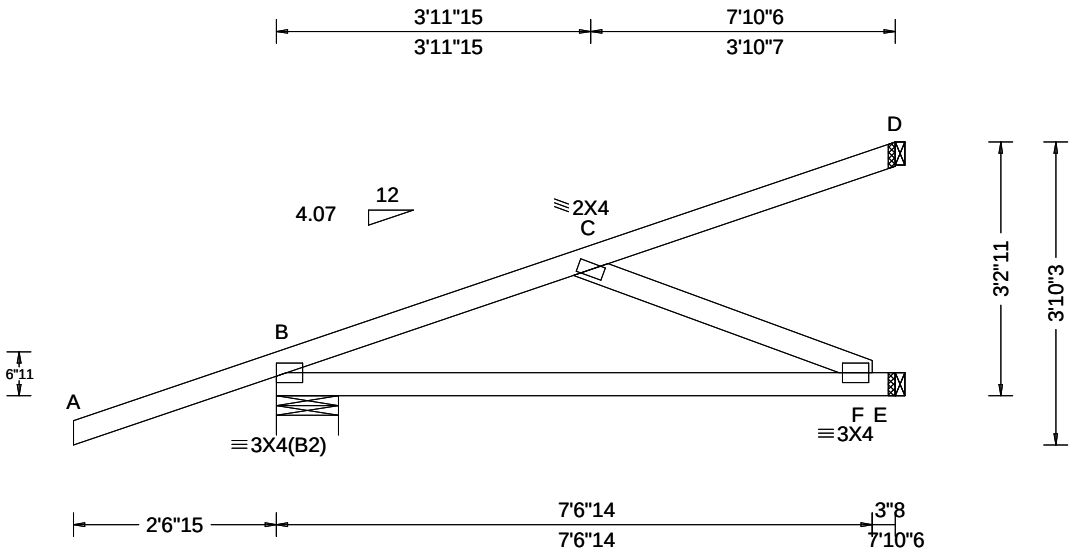
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 314461 HIP_ FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 20-4111 /Jerri & Paula Payne /ZECHER CONSTRUCTION **Truss Label:** J06HJ	Cust: R 215 JRef:1WUT2150007 T4 DrwNo: 119.20.1034.33163 / YK 04/28/2020



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

Wind Criteria
Wind Std: ASCE 7-10
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: NA
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.014	C	999	240
VERT(CL): 0.028	C	999	180
HORZ(LL): -0.004	D	-	-
HORZ(TL): 0.008	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.527
Max BC CSI: 0.394
Max Web CSI: 0.114

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	352	/-	/-	/-	/80	/-
E	201	/-	/-	/6	/-	/-
D	175	/-	/-	/-	/69	/-

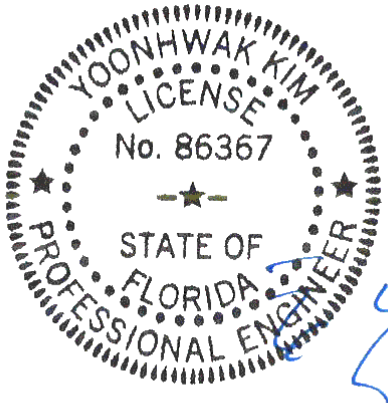
Wind reactions based on MWFRS
B Brg Width = 9.5 Min Req = 1.5
E Brg Width = 1.5 Min Req = -
D Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

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

Loading
Hipjack supports 5-6-12 setback jacks with no webs.

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 3-2-11.



FL REG# 278, Yoonhwak Kim, FL PE #86367
04/28/2020

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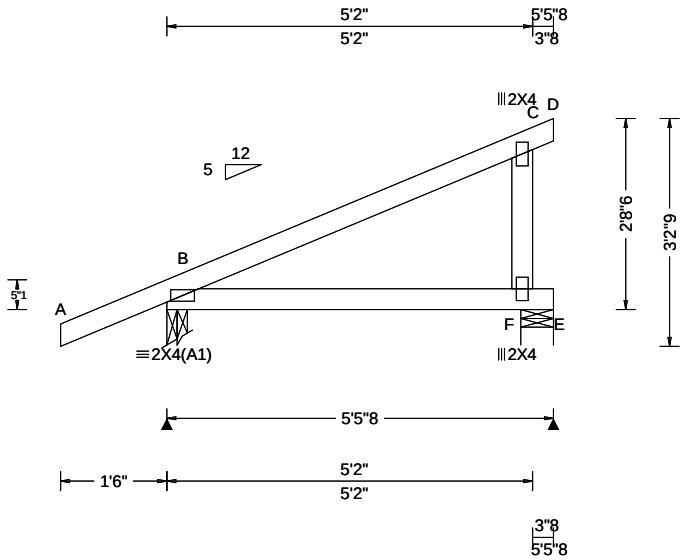
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 314462 MONO FROM: CDM	Ply: 1 Qty: 8	**Job Number:** 20-4111 /Jerri & Paula Payne /ZECHER CONSTRUCTION **Truss Label:** J07	Cust: R 215 JRef:1WUT2150007 T13 DrwNo: 119.20.1034.45157 / YK 04/28/2020



Loading Criteria (psf)
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 Criteria
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): NA
VERT(CL): NA
HORZ(LL): 0.004 F - -
HORZ(TL): 0.007 F - -
Creep Factor: 2.0
Max TC CSI: 0.307
Max BC CSI: 0.246
Max Web CSI: 0.099

VIEW Ver: 18.02.01B.0321.08

▲Maximum Reactions (lbs)

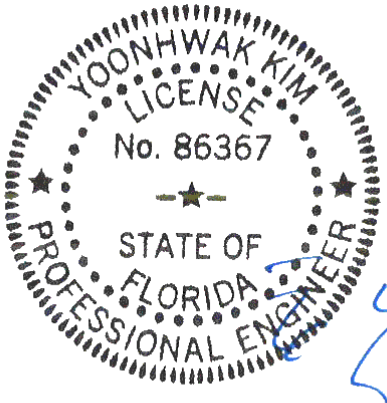
	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	333	/-	/-	/224	/31	/55
E	212	/-	/-	/133	/22	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
E Brg Width = 5.5 Min Req = 1.5
Bearings B & F 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.
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 2-8-6.



FL REG# 278, Yoonhwak Kim, FL PE #86367
04/28/2020

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ALPINE
AN ITW COMPANY
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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-reinforecement 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.

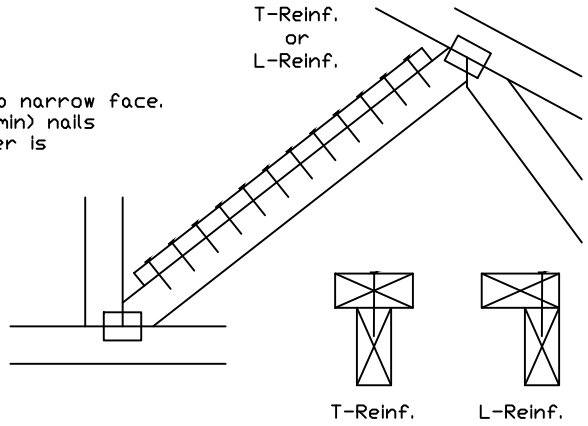
Web Member Size	Specified CLR Restraint	Alternative Reinforecement T- or L- Reinf.	Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(*)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(*)

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.

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

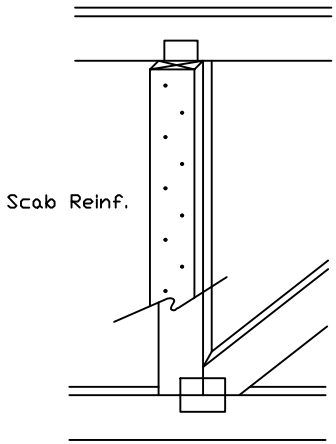
T-Reinforcement or L-Reinforcement:

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.



YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

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Maryland Heights, MO 63043

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BC LL		PSF
TC DL		PSF
BC DL		PSF
BC LL		PSF
TOT. LD.		PSF
DUR. FAC.		
SPACING		

REF	CLR Subst.
DATE	01/02/19
DRWG	BRCLBSUB0119

04/28/2020
FL REG# 278, Yoonhwak Kim, FL PE #86367

Gable Stud Reinforcement Detail

ASCE 7-10: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

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

Max Gable Vertical Length

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

Bracing Group Species and Grades:

Group A:

Spruce-Pine-Fir	
#1 / #2	Standard
#3	Stud

Hem-Fir	
#2	Stud
#3	Standard

Douglas Fir-Larch
#3
Stud
Standard

Southern Pine***
#3
Stud
Standard

Group B:

Hem-Fir
#1 & Btr
#1

Douglas Fir-Larch
#1
#2

Southern Pine***
#1
#2

1x4 Braces shall be SRB (Stress-Rated Board).

***For 1x4 So. Pine use only Industrial 55 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 55 plf over continuous bearing (5 psf TC Dead Load).

Gable end supports load from 4' 0" outlookers with 2' 0" overhang, or 12" plywood overhang.

Attach 'L' braces with 10d (0.128"x3.0" 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.

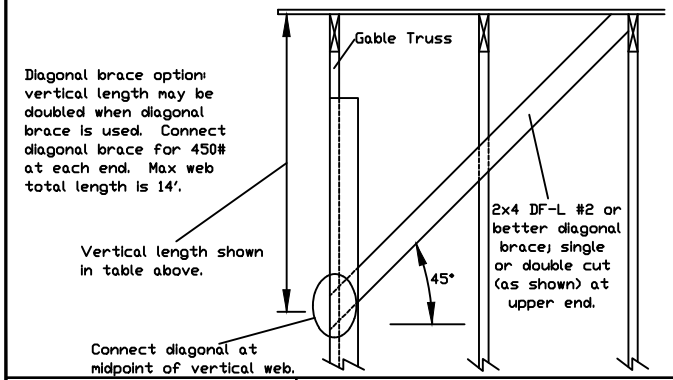
'L' bracing must be a minimum of 80% of web member length.

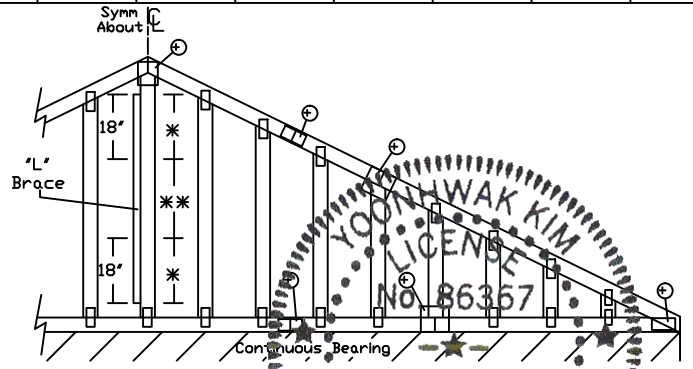
Gable Vertical Plate Sizes

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.





Refer to chart above for max gable vertical length.

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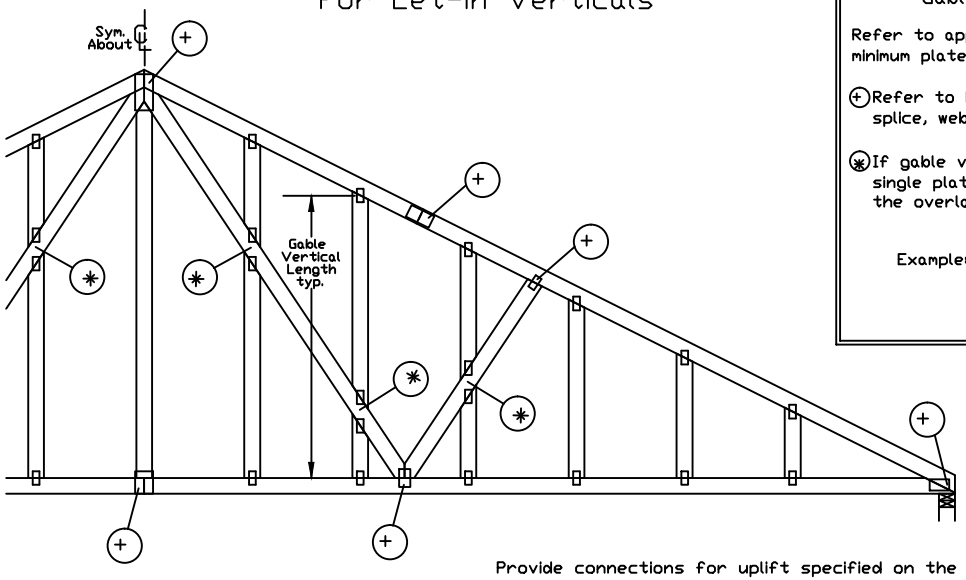
MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

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

Gable Detail
For Let-in Verticals



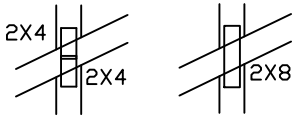
Gable Truss Plate Sizes

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

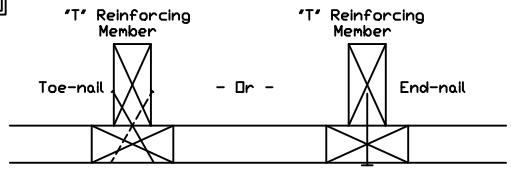
⊕ Refer to Engineered truss design for peak, splice, web, and heel plates.

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

Example:



"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"x 3.",min) Nails at 4" o.c. plus
(4) nails in the top and bottom chords.

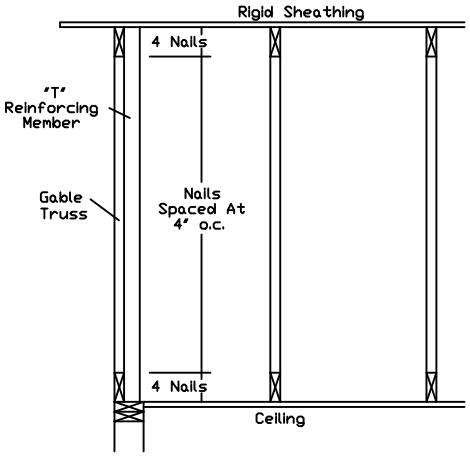
Toenailed Nails:
10d Common (0.148"x3",min) Toenails at 4" o.c. plus
(4) toenails in the top and bottom chords.

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

ASCE 7-05 Gable Detail Drawings
A13015051014, A12015051014, A11015051014, A10015051014, A14015051014, A13030051014, A12030051014, A11030051014, A10030051014, A14030051014

ASCE 7-10 & ASCE 7-16 Gable Detail Drawings
A11515ENC100118, A12015ENC100118, A14015ENC100118, A18015ENC100118, A20015ENC100118, A20015END100118, A20015PED100118, A11530ENC100118, A12030ENC100118, A14030ENC100118, A18030ENC100118, A20030ENC100118, A20030END100118, A20030PED100118, S11515ENC100118, S12015ENC100118, S14015ENC100118, S16015ENC100118, S18015ENC100118, S20015ENC100118, S20015END100118, S20015PED100118, S11530ENC100118, S12030ENC100118, S14030ENC100118, S16030ENC100118, S18030ENC100118, S20030ENC100118, S20030END100118, S20030PED100118

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



To convert from "L" to "T" reinforcing members, multiply "T" increase by length (based on appropriate Alpine gable detail).

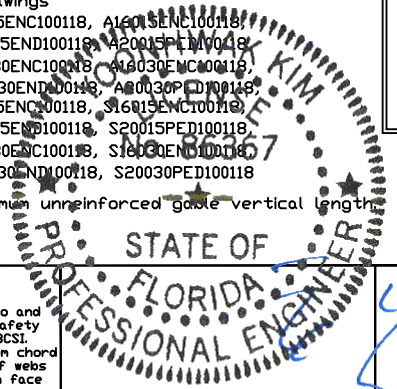
Maximum allowable "T" reinforced gable vertical length is 14' from top to bottom chord.

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

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