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www.alpineitw.com

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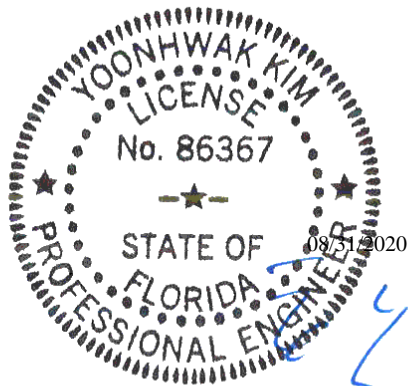
Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 20-4523
Job Description: Womble Residence	
Address:	

Job Engineering Criteria:			
Design Code: FBC 2017 RES		IntelliVIEW Version: 19.02.02B through 20.01.00A JRef #: 1WY72150004	
Wind Standard: ASCE 7-10	Wind Speed (mph): 130	Roof Load (psf): 20.00-10.00- 0.00-10.00	
Building Type: Closed		Floor Load (psf): None	

This package contains general notes pages, 58 truss drawing(s) and 6 detail(s).

Item	Drawing Number	Truss
1	244.20.0847.13357	A01
3	244.20.0847.17993	A03
5	244.20.0847.22587	B01
7	244.20.0847.27987	C01
9	244.20.0847.33167	C03
11	244.20.0847.36947	D02
13	244.20.0847.40703	D04
15	244.20.0847.49987	G01
17	244.20.0847.54330	G03
19	244.20.0847.57290	H02
21	244.20.0848.00600	K01
23	244.20.0848.12487	K03
25	244.20.0848.17953	L01
27	244.20.0849.09860	L03
29	244.20.0849.17130	N02
31	244.20.0849.21203	P01
33	244.20.0849.23873	P03
35	244.20.0849.31213	P05
37	244.20.0850.05150	R02
39	244.20.0852.12803	R04
41	244.20.0852.18033	S01
43	244.20.0852.22757	T02
45	244.20.0852.26237	V1
47	244.20.0852.28813	V11
49	244.20.0852.30860	V13
51	244.20.0852.32773	V2

Item	Drawing Number	Truss
2	244.20.0847.15807	A02
4	244.20.0847.20360	A04
6	244.20.0847.24820	B02
8	244.20.0847.30497	C02
10	244.20.0847.35330	D01
12	244.20.0847.38440	D03
14	244.20.0847.48000	FJ6
16	244.20.0847.51730	G02
18	244.20.0847.55930	H01
20	244.20.0847.59133	H03
22	244.20.0848.02097	K02
24	244.20.0848.16033	K04
26	244.20.0848.22687	L02
28	244.20.0849.14673	N01
30	244.20.0849.20067	N03
32	244.20.0849.22710	P02
34	244.20.0849.28203	P04
36	244.20.0849.59360	R01
38	244.20.0852.10270	R03
40	244.20.0852.14667	R05
42	244.20.0852.20753	T01
44	244.20.0852.24457	T03
46	244.20.0852.27500	V10
48	244.20.0852.29953	V12
50	244.20.0852.31803	V14
52	244.20.0852.33700	V3



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Site Information:	Page 2:
Customer: W. B. Howland Company, Inc.	Job Number: 20-4523
Job Description: Womble Residence	
Address:	

Item	Drawing Number	Truss
53	244.20.0852.34433	V4
55	244.20.0852.35940	V6
57	244.20.0852.37633	V8
59	BRCLBSUB0119	
61	A14030ENC101014	
63	A14015ENC101014	

Item	Drawing Number	Truss
54	244.20.0852.35180	V5
56	244.20.0852.36870	V7
58	244.20.0852.40293	V9
60	PB160101014	
62	GBLLETIN0118	
64	VAL160101014	

## **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](http://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.

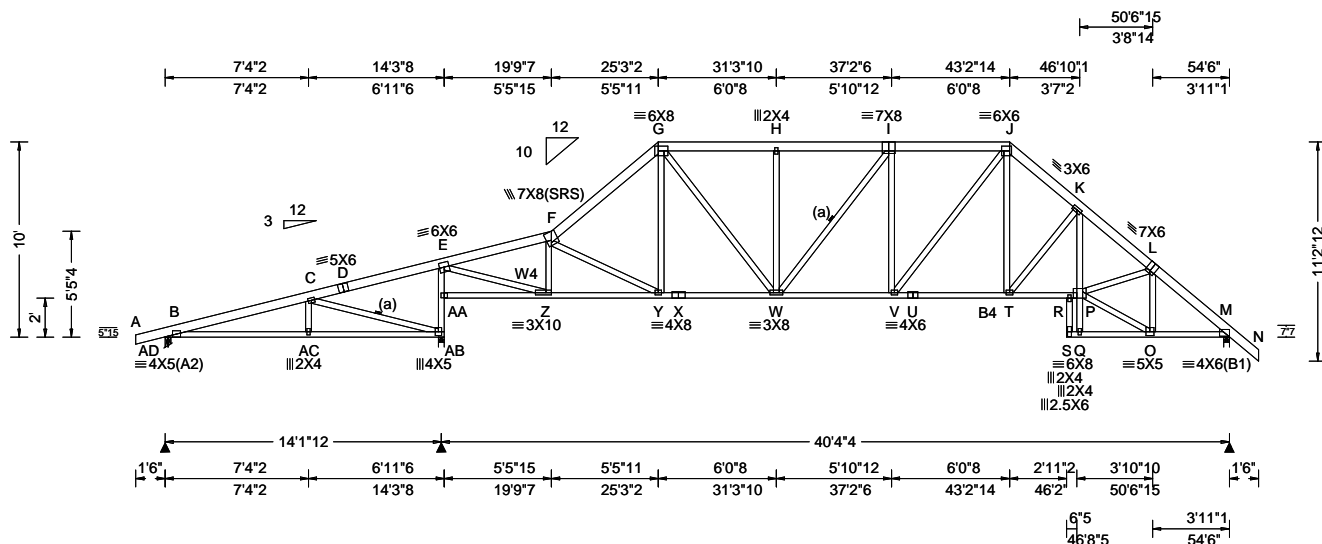
Refer to ASCE-7 for Wind and Seismic abbreviations.

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](http://www.awc.org).
2. ICC: International Code Council; [www.iccsafe.org](http://www.iccsafe.org).
3. Alpine, a division of ITW Building Components Group Inc.: 514 Earth City Expressway, Suite 242, Earth City, MO 63045; [www.alpineitw.com](http://www.alpineitw.com).
4. TPI: Truss Plate Institute, 2670 Crain Highway, Suite 203, Waldorf, MD 20601; [www.tpinst.org](http://www.tpinst.org).
5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; [www.sbcindustry.com](http://www.sbcindustry.com).

SEQN: 364861 FROM: CDM	COMN Ply: 1 Qty: 3	Job Number: 20-4523 Womble Residence Truss Label: A01	Cust: R 215 JRef: 1WY72150004 T39 DrwNo: 244.20.0847.13357 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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: 18.43 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 5.45 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.141 I 999 360 VERT(CL): 0.276 H 999 240 HORZ(LL): 0.086 O - - HORZ(TL): 0.168 O - - Creep Factor: 2.0 Max TC CSI: 0.239 Max BC CSI: 0.857 Max Web CSI: 0.965  VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL AD 620 - / - / - /287 /140 /331 AB 2523 - / - / - /1394 - / - M 1997 - / - / - /1200 - / - Wind reactions based on MWFRS AD Brg Width = 3.5 Min Req = 1.5 AB Brg Width = 3.5 Min Req = 3.0 M Brg Width = 3.5 Min Req = 2.4 Bearings AD, AB, & M are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp.

#### Lumber

Top chord: 2x6 SP 2400F-2.0E;  
Bot chord: 2x4 SP #2; B4 2x4 SP M-31;  
Webs: 2x4 SP #3; W4 2x4 SP #2;

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

#### Plating Notes

All plates are 3X4 except as noted.

#### Loading

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

#### Wind

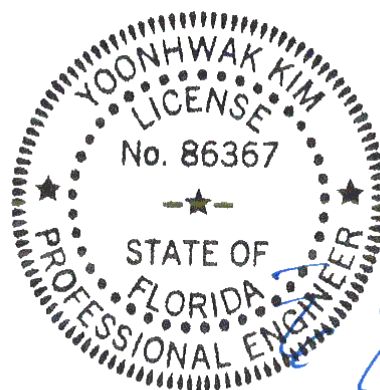
Wind loads based on MWFRS with additional C&C member design.

#### Additional Notes

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.

Refer to DWG PB160101014 for piggyback details.

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



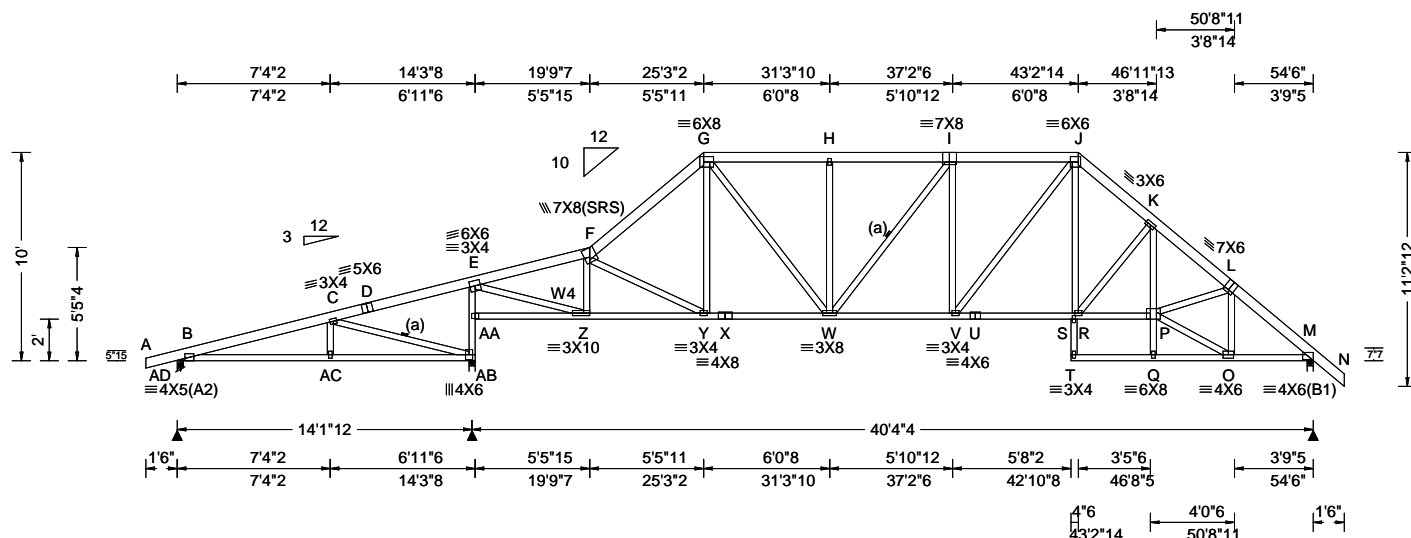
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08/31/2020

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

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

For more information see these web sites: Alpine: [www.alpineitw.com](http://www.alpineitw.com); TPI: [www.tpinet.org](http://www.tpinet.org); SBICA: [www.sbicaindustry.com](http://www.sbicaindustry.com); ICC: [www.iccsafe.org](http://www.iccsafe.org)

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	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): 0.138 H 999 360	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.265 H 999 240	AD 622 /- /- /291 /122 /324
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.083 O - -	AB 2474 /- /- /1307 /135 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.160 O - -	M 1950 /- /- /1136 /29 /-
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	Wind reactions based on MWFRS
Soffit: 2.00	TCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.233	AD Brg Width = 3.5 Min Req = 1.5
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.829	AB Brg Width = 3.5 Min Req = 2.9
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.966	M Brg Width = 3.5 Min Req = 2.3
	C&C Dist a: 5.45 ft	FT/RT:20(0)/10(0)		Bearings AD, AB, & M are a rigid surface.
	Loc. from endwall: not in 13.00 ft	Plate Type(s):		Members not listed have forces less than 375#
	GCpi: 0.18	WAVE	VIEW Ver: 19.02.02B.0122.15	Maximum Top Chord Forces Per Ply (lbs)
	Wind Duration: 1.60			Chords Tens.Comp. Chords Tens. Comp.

## Lumber

Top chord: 2x6 SP 2400f-2.0E;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3; W4 2x4 SP #2;

## Bracing

(a) Continuous lateral restraint equally spaced on member

## Plating Notes

All plates are 2X4 except as noted.

## Loading

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

### Wind

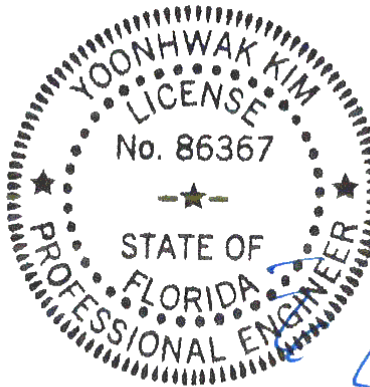
Wind loads based on MWFRS with additional C&C member design.

### Additional Notes

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

Refer to DWG PB160101014 for piggyback details.

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



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B - C	284 - 968	I - J	734 - 2422
E - F	804 - 2801	J - K	745 - 2660
F - G	752 - 2636	K - L	822 - 3395
G - H	752 - 2399	L - M	605 - 2474
H - I	751 - 2398		

**Maximum Bot Chord Forces Per Ply (lbs)**

Chords	Tens.Comp.	Chords	Tens. Comp.
B - AC	900 -203	V - U	1998 -258
AC-AB	893 -204	U - S	1998 -258
Z - Y	2741 -596	S - R	1991 -255
Y - X	1958 -294	R - P	2562 -433
X - W	1958 -294	O - M	1765 -347
W - V	2433 -376		

### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - AB	265 - 1056	V - J	689 - 199
AB-AA	557 - 2135	R - K	286 - 919
AA- E	560 - 2071	J - R	772 - 192
E - Z	2894 - 638	P - K	947 - 180
Z - F	216 - 784	P - O	1991 - 388
F - Y	406 - 894	P - L	885 - 102
G - Y	644 - 182	O - L	224 - 1013
G - W	710 - 150		

**\*\*WARNING\*\*** READ AND FOLLOW ALL NOTES ON THIS DRAWING!  
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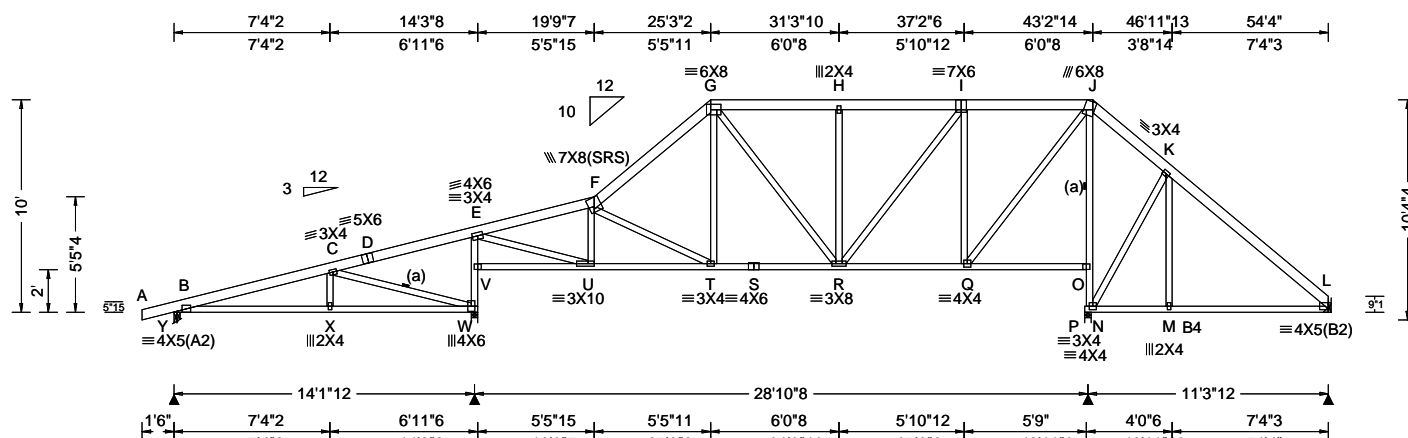
For more information see these web sites: Alpine: [www.alpineitw.com](http://www.alpineitw.com); TPI: [www.tpinst.org](http://www.tpinst.org); SBCA: [www.sbcindustry.com](http://www.sbcindustry.com); ICC: [www.iccsafe.org](http://www.iccsafe.org)



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SEQN: 364855 FROM: CDM	COMN Ply: 1 Qty: 4	Job Number: 20-4523 Womble Residence Truss Label: A03	Cust: R 215 JRRef: 1WY72150004 T64 DrwNo: 244.20.0847.17993 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCDL: 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: 15.06 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 5.43 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.082 H 999 360 VERT(CL): 0.155 H 999 240 HORZ(LL): 0.044 M - - HORZ(TL): 0.083 M - - Creep Factor: 2.0 Max TC CSI: 0.197 Max BC CSI: 0.646 Max Web CSI: 0.982  VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL Y 632 - / - / - /289 /115 /275 W 1947 - / - / - /1036 /115 - P 1837 - / - / - /877 /103 - L 622 - / - / - /448 /78 -  Non-Gravity Wind reactions based on MWFRS Y Brg Width = 3.5 Min Req = 1.5 W Brg Width = 3.5 Min Req = 2.3 P Brg Width = 3.5 Min Req = 1.5 L Brg Width = - Min Req = - Bearings Y, W, & P are a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

#### Loading

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

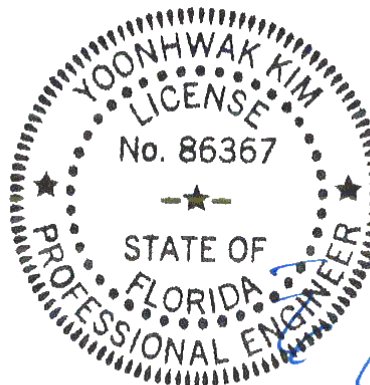
#### Wind

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

#### Additional Notes

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

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



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

#### Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - X	938 -199	S - R	1231 -199
X - W	931 -200	R - Q	927 -173
U - T	1866 -480	N - M	389 -119
T - S	1231 -199	M - L	389 -119

#### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - W	248 -1065	R - I	573 -104
W - V	470 -1601	I - Q	231 -837
V - E	474 -1541	Q - J	1382 -264
E - U	1970 -507	O - J	246 -1290
U - F	178 -499	O - N	239 -1397
F - T	333 -726	N - K	243 -723
G - T	561 -144	M - K	470 -10

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

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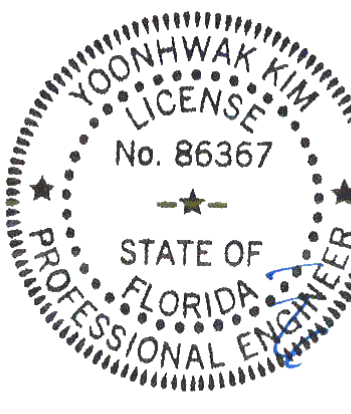
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**ALPINE**  
AN ITW COMPANY  
6750 Forum Drive  
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Orlando FL, 32821



[illegible]


<p><b>Lumber</b></p> <p>Top chord: 2x6 SP 2400f-2.0E;  Bot chord: 2x4 SP #2; B4 2x6 SP 2400f-2.0E;  Webs: 2x4 SP #3; W4,W12 2x4 SP #2;</p> <p><b>Bracing</b></p> <p>(a) Continuous lateral restraint equally spaced on member.</p> <p><b>Plating Notes</b></p> <p>All plates are 2X4 except as noted.</p> <p><b>Loading</b></p> <p>Truss designed to support 1-6-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.</p> <p><b>Wind</b></p> <p>Wind loads based on MWFRS with additional C&amp;C member design.</p> <p><b>Additional Notes</b></p> <p>See DWGS A14030ENC101014 &amp; GBLLETIN0118 for gable wind bracing and other requirements.</p> <p>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.</p> <p>The overall height of this truss excluding overhang is 10-0-0.</p>		<p>Members not listed have forces less than 375#</p> <p><b>Maximum Top Chord Forces Per Ply (lbs)</b></p> <table> <tr> <th>Chords</th><th>Tens.Comp.</th><th>Chords</th><th>Tens. Comp.</th></tr> <tr> <td>B - C</td><td>393 - 1286</td><td>H - I</td><td>833 - 1899</td></tr> <tr> <td>C - D</td><td>426 - 381</td><td>I - L</td><td>720 - 1290</td></tr> <tr> <td>D - E</td><td>465 - 375</td><td>L - M</td><td>660 - 1229</td></tr> <tr> <td>E - F</td><td>951 - 2888</td><td>M - O</td><td>597 - 277</td></tr> <tr> <td>F - G</td><td>877 - 2592</td><td>O - R</td><td>557 - 779</td></tr> <tr> <td>G - H</td><td>834 - 1902</td><td></td><td></td></tr> </table> <p><b>Maximum Bot Chord Forces Per Ply (lbs)</b></p> <table> <tr> <th>Chords</th><th>Tens.Comp.</th><th>Chords</th><th>Tens. Comp.</th></tr> <tr> <td>B -AJ</td><td>1181 - 327</td><td>AE-AD</td><td>1846 - 306</td></tr> <tr> <td>AJ-AI</td><td>1177 - 328</td><td>AD-AC</td><td>1344 - 248</td></tr> <tr> <td>AG-AF</td><td>2791 - 752</td><td>W - U</td><td>487 - 186</td></tr> <tr> <td>AF-AE</td><td>1846 - 306</td><td>U - R</td><td>501 - 193</td></tr> </table> <p><b>Maximum Web Forces Per Ply (lbs)</b></p> <table> <tr> <th>Webs</th><th>Tens.Comp.</th><th>Webs</th><th>Tens. Comp.</th></tr> <tr> <td>C -AI</td><td>403 - 1456</td><td>AD- I</td><td>928 - 181</td></tr> <tr> <td>AI-AH</td><td>735 - 2494</td><td>I -AC</td><td>331 - 1564</td></tr> <tr> <td>AH- E</td><td>738 - 2454</td><td>AC- L</td><td>2169 - 424</td></tr> <tr> <td>E -AG</td><td>2964 - 797</td><td>X - W</td><td>392 - 2593</td></tr> <tr> <td>AG- F</td><td>268 - 857</td><td>X - M</td><td>339 - 2280</td></tr> <tr> <td>F -AF</td><td>528 - 1080</td><td>W - O</td><td>388 - 931</td></tr> <tr> <td>G -AF</td><td>594 - 240</td><td>U - O</td><td>519 - 188</td></tr> <tr> <td>H -AD</td><td>231 - 768</td><td></td><td></td></tr> </table>	Chords	Tens.Comp.	Chords	Tens. Comp.	B - C	393 - 1286	H - I	833 - 1899	C - D	426 - 381	I - L	720 - 1290	D - E	465 - 375	L - M	660 - 1229	E - F	951 - 2888	M - O	597 - 277	F - G	877 - 2592	O - R	557 - 779	G - H	834 - 1902			Chords	Tens.Comp.	Chords	Tens. Comp.	B -AJ	1181 - 327	AE-AD	1846 - 306	AJ-AI	1177 - 328	AD-AC	1344 - 248	AG-AF	2791 - 752	W - U	487 - 186	AF-AE	1846 - 306	U - R	501 - 193	Webs	Tens.Comp.	Webs	Tens. Comp.	C -AI	403 - 1456	AD- I	928 - 181	AI-AH	735 - 2494	I -AC	331 - 1564	AH- E	738 - 2454	AC- L	2169 - 424	E -AG	2964 - 797	X - W	392 - 2593	AG- F	268 - 857	X - M	339 - 2280	F -AF	528 - 1080	W - O	388 - 931	G -AF	594 - 240	U - O	519 - 188	H -AD	231 - 768		
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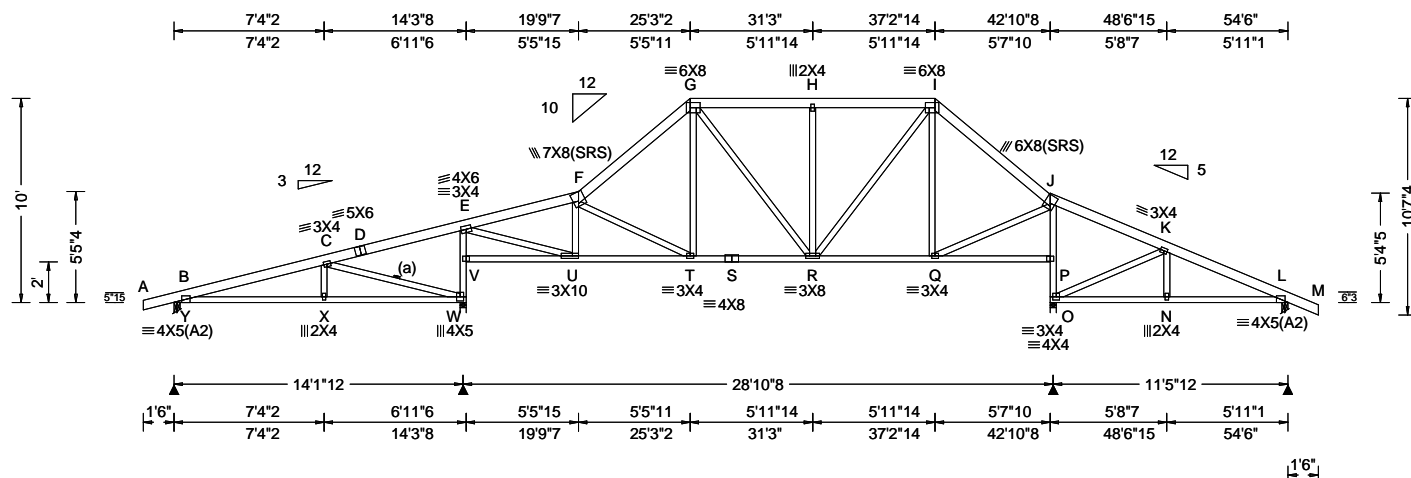
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6750 Forum Drive  
Suite 305  
Orlando FL, 32821

SEQN: 364837 FROM: CDM	COMM Ply: 1 Qty: 3	Job Number: 20-4523 Womble Residence Truss Label: B01	Cust: R 215 JRRef: 1WY72150004 T21 DrwNo: 244.20.0847.22587 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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: 17.44 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 5.45 ft Loc. from endwall: not in 13.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.056 T 999 360 VERT(CL): 0.112 T 999 240 HORZ(LL): 0.014 Q - - HORZ(TL): 0.029 Q - - Creep Factor: 2.0 Max TC CSI: 0.188 Max BC CSI: 0.634 Max Web CSI: 0.987  VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL Y 634 -/- /- /288 /137 /278 W 1933 -/- /- /1101 -/- /- O 1881 -/- /- /1094 -/- /- L 540 -/- /- /388 /70 /-  Wind reactions based on MWFRS Y Brg Width = 3.5 Min Req = 1.5 W Brg Width = 3.5 Min Req = 2.3 O Brg Width = 3.5 Min Req = 2.2 L Brg Width = 3.5 Min Req = 1.5 Bearings Y, W, O, & L are a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

#### Loading

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

#### Wind

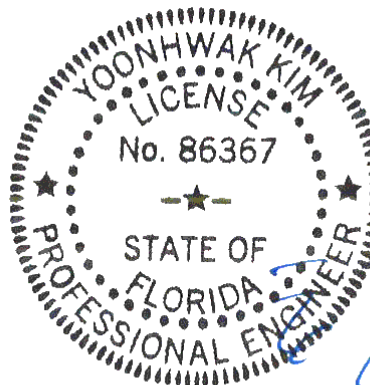
Wind loads based on MWFRS with additional C&C member design.

#### Additional Notes

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

Refer to DWG PB160101014 for piggyback details.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

#### Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - C	339 - 1015	H - I	137 - 1246
E - F	287 - 1918	I - J	151 - 1197
F - G	179 - 1681	K - L	276 - 573
G - H	137 - 1246		

#### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - W	269 - 1068	H - R	0 - 379
W - V	236 - 1584	R - I	673 0
V - E	242 - 1526	Q - J	950 0
E - U	1946 - 92	J - P	94 - 1536
U - F	48 - 490	P - O	87 - 1582
F - T	314 - 735	O - K	198 - 599
G - T	561 - 135		

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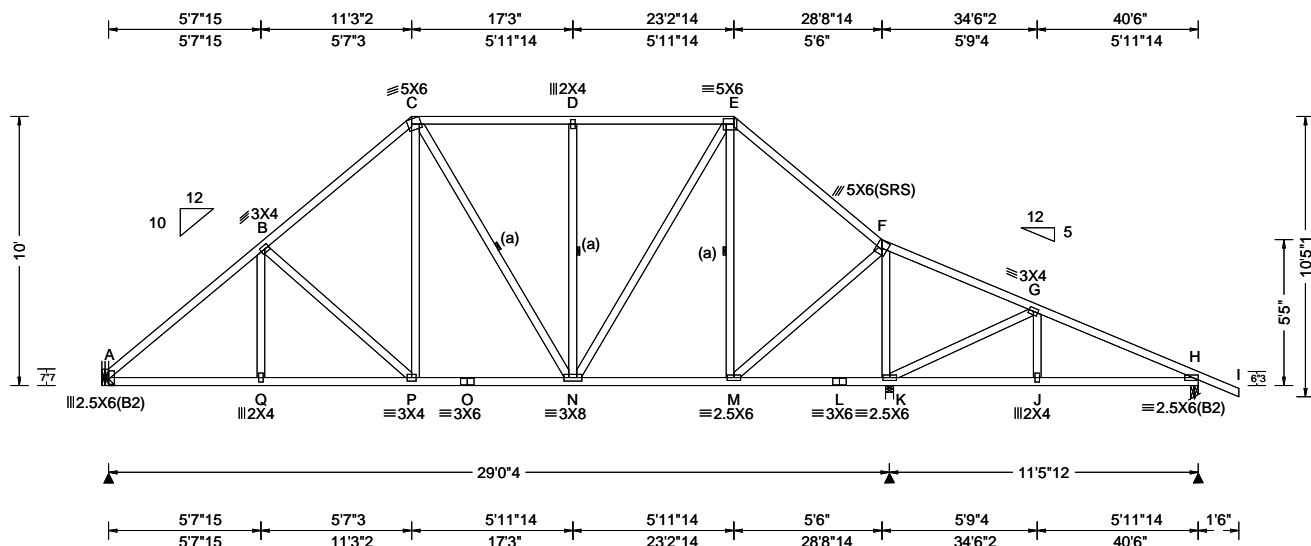
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SEQN: 364864 FROM: CDM	COMN Ply: 1 Qty: 2	Job Number: 20-4523 Womble Residence Truss Label: B02	Cust: R 215 JRef: 1WY72150004 T45 DrwNo: 244.20.0847.24820 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.05 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.053 P 999 360 VERT(CL): 0.103 P 999 240 HORZ(LL): 0.023 J - - HORZ(TL): 0.044 J - - Creep Factor: 2.0 Max TC CSI: 0.542 Max BC CSI: 0.629 Max Web CSI: 0.860  VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A 1295 - / - /731 /8 /303 K 2039 - / - /1078 /55 /- H 451 - / - /309 /47 /- Wind reactions based on MWFRS A Brg Width = - Min Req = - K Brg Width = 3.5 Min Req = 2.0 H Brg Width = 3.5 Min Req = 1.5 Bearings K & H are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp.

#### Lumber

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

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

#### Hangers / Ties

(J) Hanger Support Required, by others

#### Loading

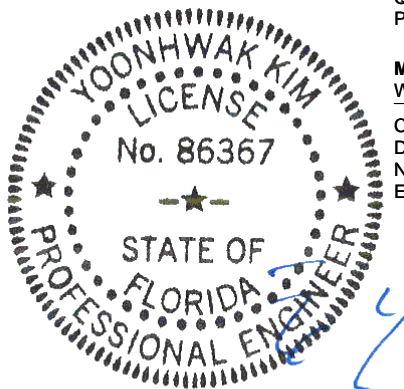
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

#### Wind

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

#### Additional Notes

Refer to DWG PB160101014 for piggyback details.  
The overall height of this truss excluding overhang is 10'-0".

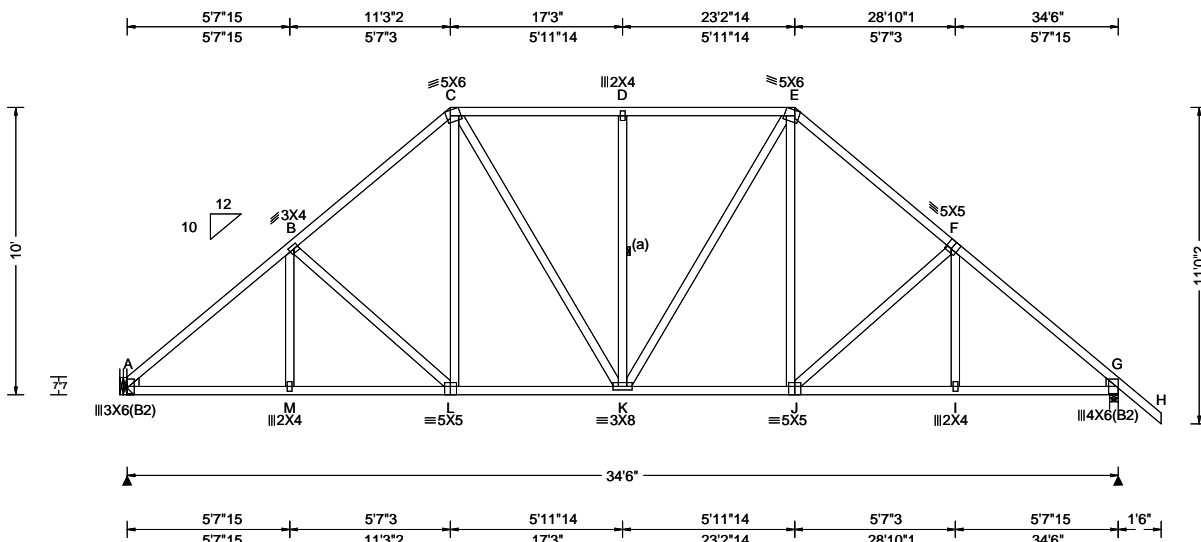


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08/31/2020

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

SEQN: 364867 FROM: CDM	COMM Ply: 1 Qty: 2	Job Number: 20-4523 Womble Residence Truss Label: C01	Cust: R 215 JRRef: 1WY72150004 T46 DrwNo: 244.20.0847.27987 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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: 3.45 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.098 D 999 360 VERT(CL): 0.193 D 999 240 HORZ(LL): 0.060 I - - HORZ(TL): 0.118 I - - Creep Factor: 2.0 Max TC CSI: 0.671 Max BC CSI: 0.908 Max Web CSI: 0.336 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 1614 -/- /- /872 /228 /334 G 1726 -/- /- /972 /256 -/ Wind reactions based on MWFRS A Brg Width = - Min Req = - G Brg Width = 3.5 Min Req = 2.0 Bearing G is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 594 -2170 D - E 596 -1525 B - C 623 -1857 E - F 620 -1851 C - D 596 -1525 F - G 587 -2157

#### Lumber

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

#### Hangers / Ties

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

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

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

Bearing at location x=0' uses the following support conditions: 0'

Bearing A (0', 10') HUS26

Supporting Member: (2)2x6 SP 2400f-2.0E  
(14) 0.148"x3" nails into supporting member,  
(4) 0.148"x3" nails into supported member.

#### Loading

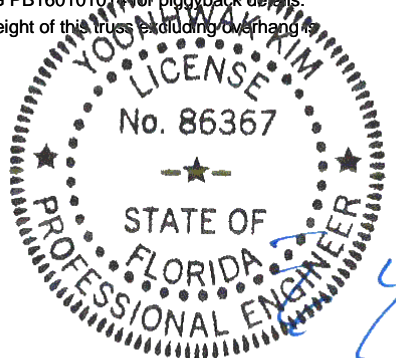
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

#### Wind

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

#### Additional Notes

Refer to DWG PB16010101 for piggyback details.  
The overall height of this truss including overhang is 10'-0-0.

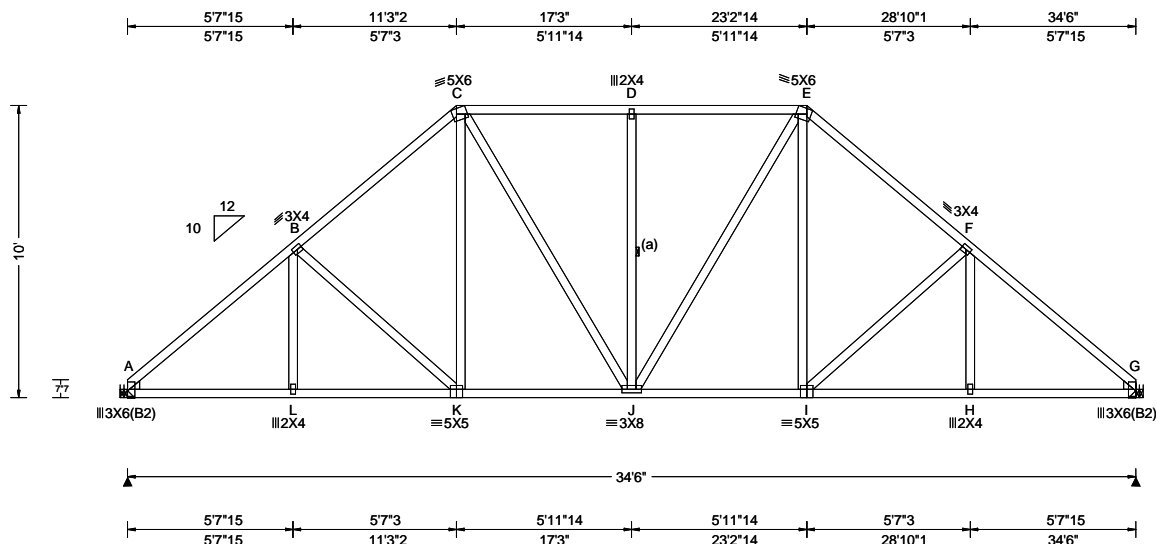


FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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SEQN: 363684 FROM: CDM	COMM Ply: 1 Qty: 7	Job Number: 20-4523 Womble Residence Truss Label: C02	Cust: R 215 JRRef: 1WY72150004 T35 DrwNo: 244.20.0847.30497 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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: 15.31 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.45 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.097 D 999 360 VERT(CL): 0.190 D 999 240 HORZ(LL): 0.057 H - - HORZ(TL): 0.113 H - - Creep Factor: 2.0 Max TC CSI: 0.572 Max BC CSI: 0.847 Max Web CSI: 0.337  VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A 1617 -/- /- /872 /232 /286 G 1617 -/- /- /872 /232 -/ Wind reactions based on MWFRS A Brg Width = - Min Req = - G Brg Width = - Min Req = - Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. A - B 486 -2174 D - E 492 -1530 B - C 519 -1861 E - F 519 -1861 C - D 492 -1530 F - G 486 -2174

#### Lumber

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

#### Hangers / Ties

(J) Hanger Support Required, by others

#### Loading

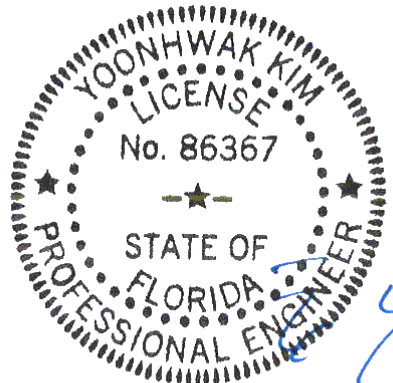
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

#### Wind

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

#### Additional Notes

Refer to DWG PB160101014 for piggyback details.  
The overall height of this truss excluding overhang is 10'-0".



#### Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - L	1565 -274	J - I	1340 -142
L - K	1565 -274	I - H	1565 -275
K - J	1340 -142	H - G	1565 -274

#### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - K	429 -107	E - I	429 -107
D - J	154 -397		

FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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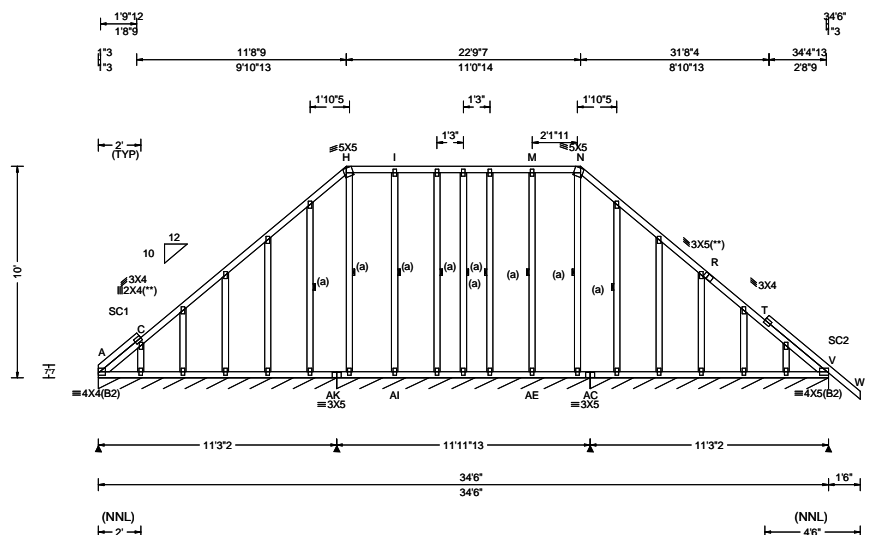
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SEQN: 364870 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: C03	Cust: R 215 JRef: 1WY72150004 T32 DrwNo: 244.20.0847.33167 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.45 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.003 T 999 360 VERT(CL): 0.007 T 999 240 HORZ(LL): -0.006 G - - HORZ(TL): 0.008 G - - Creep Factor: 2.0 Max TC CSI: 0.404 Max BC CSI: 0.157 Max Web CSI: 0.118  VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A* 141 - / - /123 /20 /32 AK* 171 - / - /59 /9 - /- AC* 155 - / - /74 - / - /- Wind reactions based on MWFRS A Brg Width = 135 Min Req = - AK Brg Width = 143 Min Req = - AC Brg Width = 135 Min Req = - Bearings A, AK, & AC are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp.

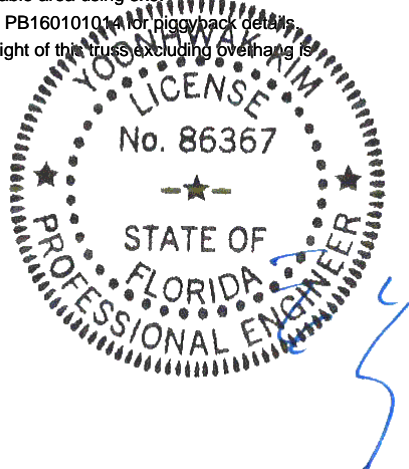
Lumber	Additional Notes	Maximum Gable Forces Per Ply (lbs)
Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Stack Chord: SC1 2x4 SP #2; Stack Chord: SC2 2x4 SP #2;	See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.  Stacked top chord must NOT be notched 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.  Refer to DWG PB160101014 for piggy back details. The overall height of this truss excluding overhang is 10-0-0.	Gables Tens.Comp. Gables Tens. Comp. I - AI 117 -384 M - AE 117 -384

Bracing	Maximum Gable Forces Per Ply (lbs)
(a) Continuous lateral restraint equally spaced on member.	Gables Tens.Comp. Gables Tens. Comp. I - AI 117 -384 M - AE 117 -384

Plating Notes	Maximum Gable Forces Per Ply (lbs)
All plates are 2X4 except as noted. (**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.	Gables Tens.Comp. Gables Tens. Comp. I - AI 117 -384 M - AE 117 -384

Loading	Maximum Gable Forces Per Ply (lbs)
Truss designed to support 1-6-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.	Gables Tens.Comp. Gables Tens. Comp. I - AI 117 -384 M - AE 117 -384

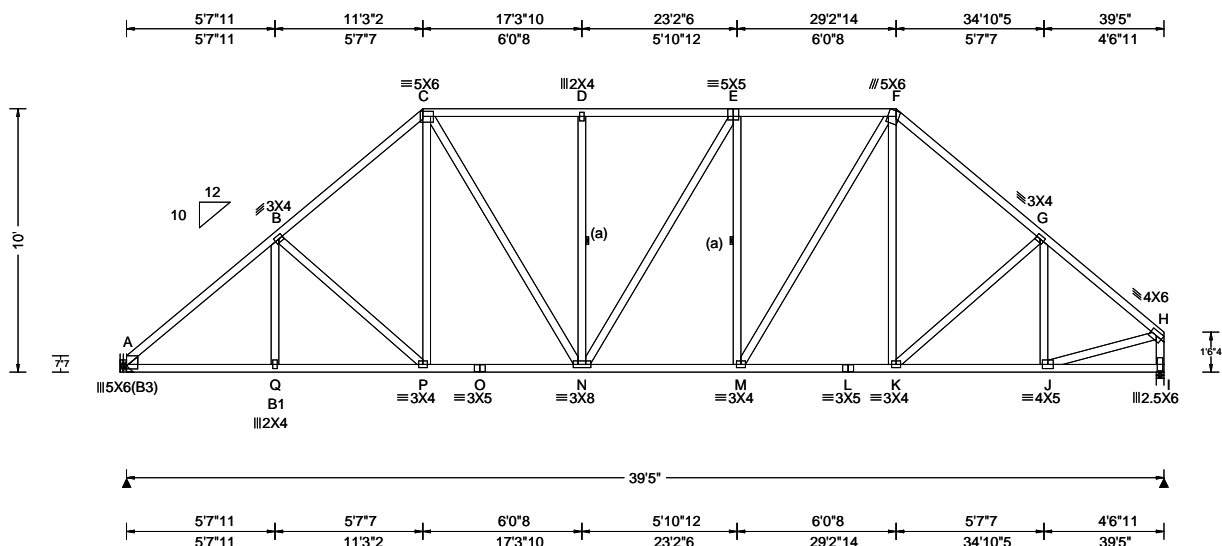
Wind	Maximum Gable Forces Per Ply (lbs)
Wind loads based on MWFRS with additional C&C member design.	Gables Tens.Comp. Gables Tens. Comp. I - AI 117 -384 M - AE 117 -384



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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SEQN: 364873 FROM: CDM	COMM Ply: 1 Qty: 2	Job Number: 20-4523 Womble Residence Truss Label: D01	Cust: R 215 JRef: 1WY72150004 T44 DrwNo: 244.20.0847.35330 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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: 15.31 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.94 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.121 D 999 360 VERT(CL): 0.233 D 999 240 HORZ(LL): 0.051 I - - HORZ(TL): 0.098 I - - Creep Factor: 2.0 Max TC CSI: 0.645 Max BC CSI: 0.785 Max Web CSI: 0.615  VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL A 1889 - / - / /991 /51 /279 I 1905 - / - / /969 /42 - /- Wind reactions based on MWFRS A Brg Width = - Min Req = - I Brg Width = 3.5 Min Req = 2.2 Bearing I is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 589 -2567 E - F 603 -1984 B - C 624 -2275 F - G 598 -2163 C - D 611 -2010 G - H 504 -2143 D - E 611 -2009

#### Lumber

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

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

#### Hangers / Ties

(J) Hanger Support Required, by others

#### Loading

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

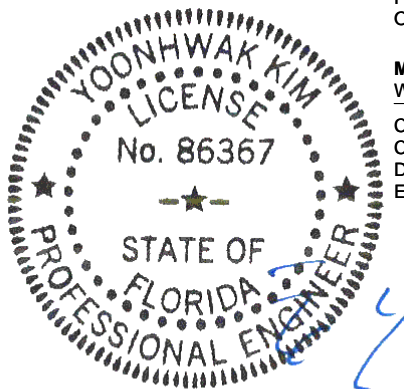
#### Wind

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

#### Additional Notes

Refer to DWG PB160101014 for piggyback details.

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



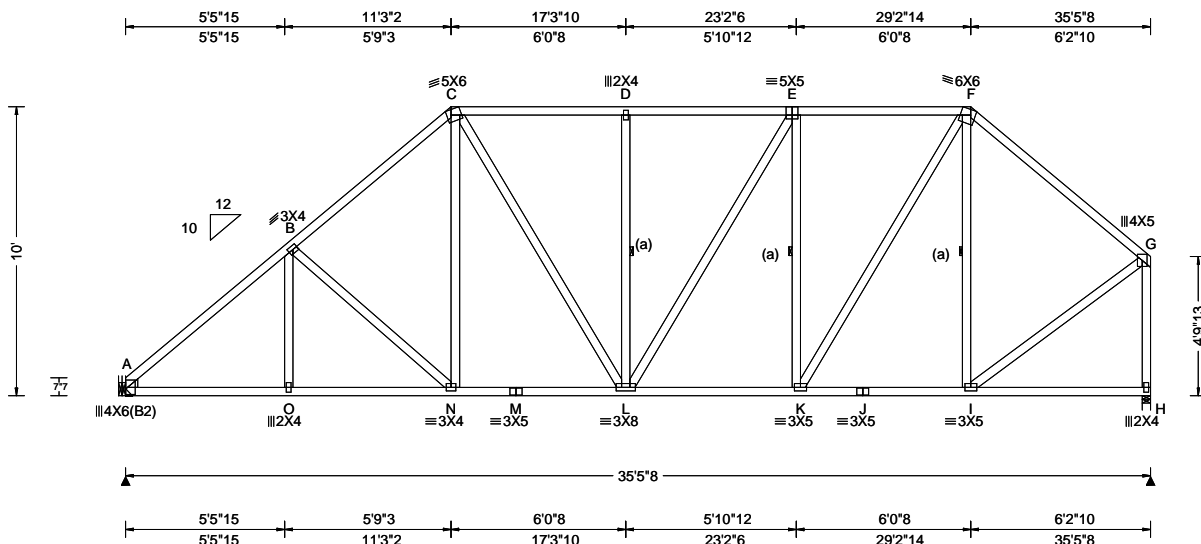
FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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SEQN: 364876 FROM: CDM	COMM Ply: 1 Qty: 5	Job Number: 20-4523 Womble Residence Truss Label: D02	Cust: R 215 JRef: 1WY72150004 T42 DrwNo: 244.20.0847.36947 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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: 19.05 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.55 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.098 D 999 360 VERT(CL): 0.185 D 999 240 HORZ(LL): 0.041 I - - HORZ(TL): 0.078 I - - Creep Factor: 2.0 Max TC CSI: 0.763 Max BC CSI: 0.901 Max Web CSI: 0.758  VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL A 1695 -/- /- /1003 /18 /245 H 1756 -/- /- /931 /- /- Wind reactions based on MWFRS A Brg Width = - Min Req = - H Brg Width = 3.5 Min Req = 2.1 Bearing H is a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. A - B 52 -2287 D - E 41 -1665 B - C 75 -1980 E - F 32 -1516 C - D 41 -1666 F - G 26 -1401

#### Lumber

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

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

#### Hangers / Ties

(J) Hanger Support Required, by others

#### Loading

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

#### Wind

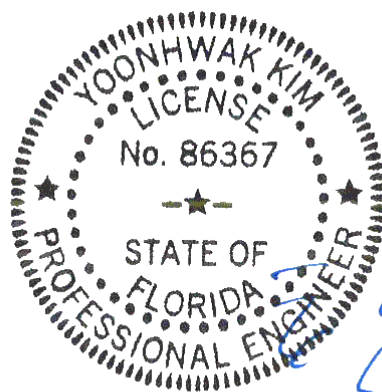
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

#### Additional Notes

Refer to DWG PB160101014 for piggyback details.

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

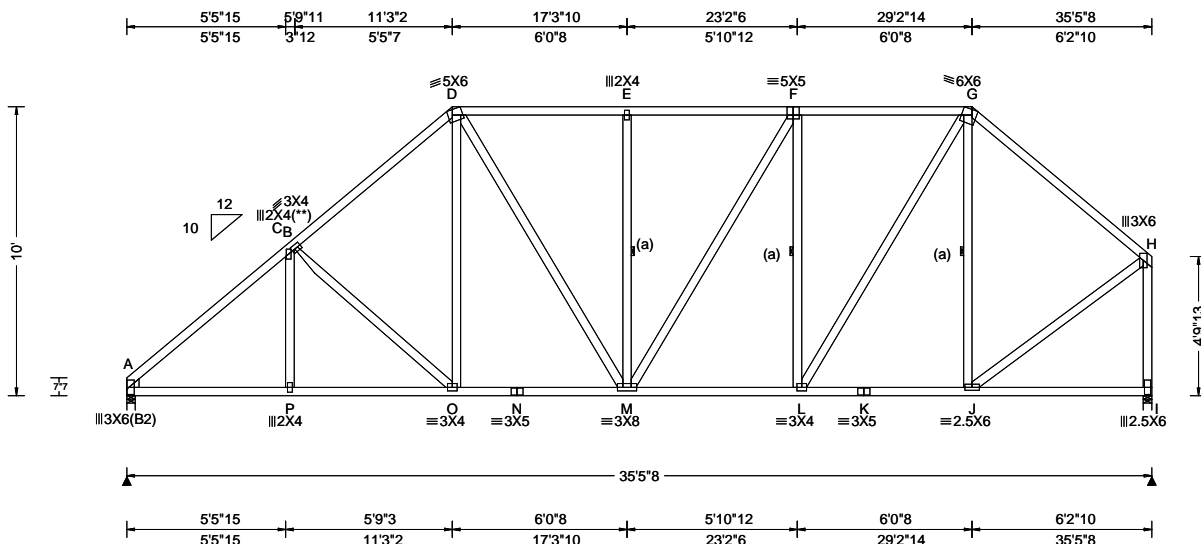


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SEQN: 364879 FROM: CDM	COMM Ply: 1 Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: D03	Cust: R 215 JRRef: 1WY72150004 T18 DrwNo: 244.20.0847.38440 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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: 15.31 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.55 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.074 E 999 360 VERT(CL): 0.160 E 999 240 HORZ(LL): 0.031 J - - HORZ(TL): 0.068 J - - Creep Factor: 2.0 Max TC CSI: 0.714 Max BC CSI: 0.780 Max Web CSI: 0.690 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 1527 -/- /- /910 /235 /238 I 1524 -/- /- /808 /259 -/ Wind reactions based on MWFRS A Brg Width = 3.5 Min Req = 1.8 I Brg Width = 3.5 Min Req = 1.8 Bearings A & 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. A - B 628 -2044 E - F 639 -1415 B - C 648 -1771 F - G 585 -1270 C - D 662 -1720 G - H 445 -1202 D - E 639 -1416

#### Lumber

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

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

#### Plating Notes

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

#### Wind

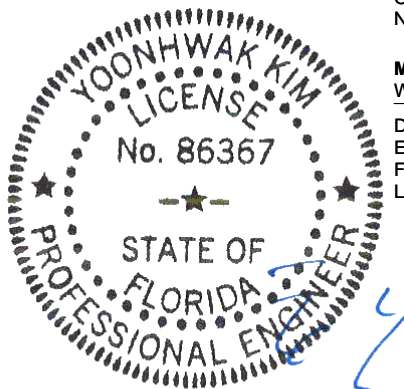
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

#### Additional Notes

Refer to DWG PB160101014 for piggyback details.

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

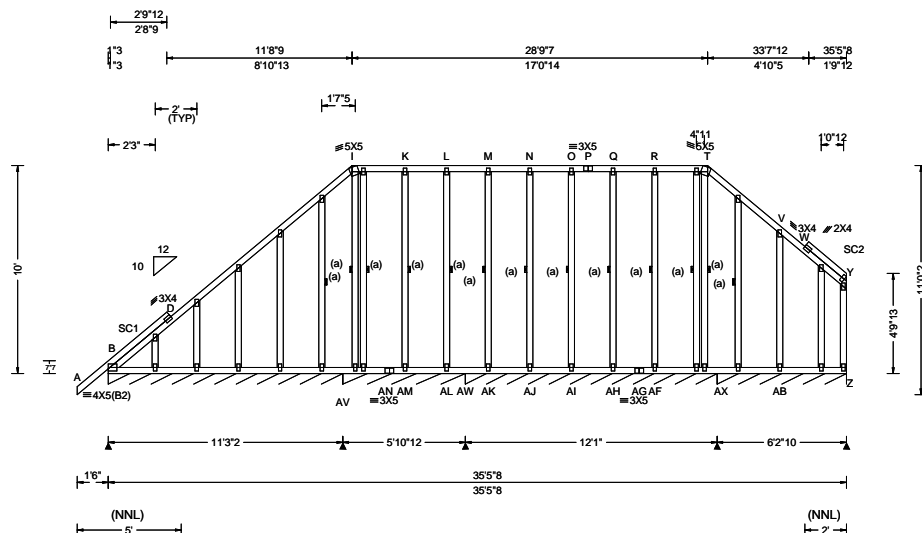


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08/31/2020

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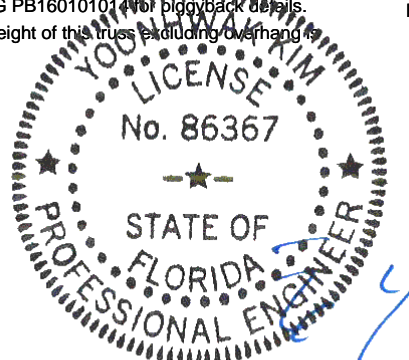
**ALPINE**  
AN ITW COMPANY  
6750 Forum Drive  
Suite 305  
Orlando FL, 32821

SEQN: 364887 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: D04	Cust: R 215 JRef: 1WY72150004 T37 DrwNo: 244.20.0847.40703 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.55 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.005 W 999 360 VERT(CL): 0.012 W 999 240 HORZ(LL): -0.004 W - - HORZ(TL): 0.009 W - - Creep Factor: 2.0 Max TC CSI: 0.529 Max BC CSI: 0.183 Max Web CSI: 0.143  VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B* 192 -/- /- /94 -/- /8 AV* 210 -/- /- /60 /29 -/- AW* 202 -/- /- /57 /31 -/- AX* 180 -/- /- /76 -/- /-  Wind reactions based on MWFRS B Brg Width = 135 Min Req = - AV Brg Width = 70.8 Min Req = - AW Brg Width = 145 Min Req = - AX Brg Width = 74.6 Min Req = - Bearings B, AV, AW, & AX are a rigid surface. Members not listed have forces less than 375#

<b>Lumber</b> 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;  <b>Bracing</b> (a) Continuous lateral restraint equally spaced on member.  <b>Plating Notes</b> All plates are 2X4 except as noted.  <b>Loading</b> Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.  <b>Wind</b> Wind loads based on MWFRS with additional C&C member design. Right end vertical not exposed to wind pressure.	<b>Additional Notes</b> 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. Refer to DWG PB160101014 for piggyback details. The overall height of this truss including overhang is 10-0-0.	<b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - D 388 -435 B - D 429 -163  <b>Maximum Gable Forces Per Ply (lbs)</b> Gables Tens.Comp. Gables Tens. Comp. K -AM 150 -400 O -AI 134 -381 L -AL 132 -379 Q -AH 133 -379 M -AK 133 -380 R -AF 147 -400 N -AJ 133 -379 AB- V 67 -416
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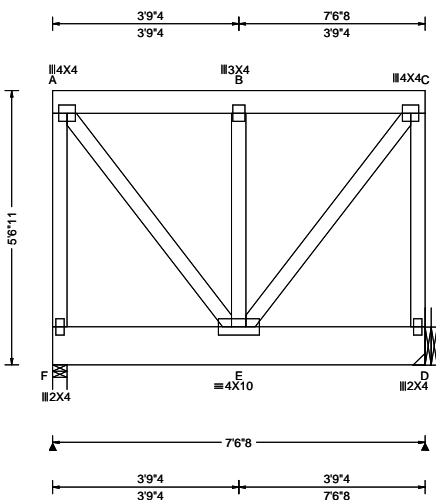


FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NAKzt: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.024 B 999 480 VERT(CL): 0.045 B 999 360 HORZ(LL): 0.001 A - - HORZ(TL): 0.002 A - - Creep Factor: 2.0 Max TC CSI: 0.294 Max BC CSI: 0.122 Max Web CSI: 0.755  VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL F 3372 -/-/-/-/- D 3415 -/-/-/-/- F Brg Width = 3.5 Min Req = 1.5 D Brg Width = - Min Req = - Bearing F is a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. A - B 0 -663 B - C 0 -663

#### Lumber

Top chord: 2x6 SP 2400F-2.0E;  
Bot chord: 2x10 SP 2400F-2.0E;  
Webs: 2x4 SP #3;

#### Nailnote

Nail Schedule: 0.128"x3", min. nails  
Top Chord: 2 Rows @ 6.00" o.c. (Each Row)  
Bot Chord: 1 Row @ 12.00" o.c.  
Webs : 1 Row @ 4" o.c.  
Use equal spacing between rows and stagger nails in each row to avoid splitting.

#### Special Loads

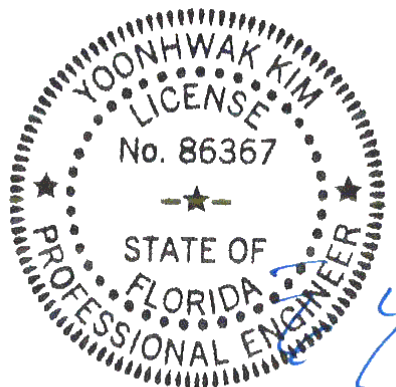
----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)  
TC: From 810 plf at 0.00 to 810 plf at 7.54  
BC: From 5 plf at 0.00 to 5 plf at 7.54  
BC: 214 lb Conc. Load at 2.02, 4.02, 6.02

#### Purlins

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

#### Additional Notes

Truss must be installed as shown with top chord up.  
The overall height of this truss excluding overhang is 5'-6-11.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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**ALPINE**  
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6750 Forum Drive  
Suite 305  
Orlando FL, 32821

SEQN: 365004	FLAT	Ply: 2	Job Number: 20-4523	Cust: R 215 JRef: 1WY72150004 T12
FROM: CDM		Qty: 1	Womble Residence	DrwNo: 244.20.0847.48000
Page 2 of 2			Truss Label: FJ6	/ YK 08/31/2020

#### Hangers / Ties

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

Recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Additional connection required to evenly distribute hanger reaction throughout all plies of supporting girder.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

Bearing at location  $x=7'4"$  uses the following support conditions: 7'4"

Bearing D (7'4", 9') HGUS210-2

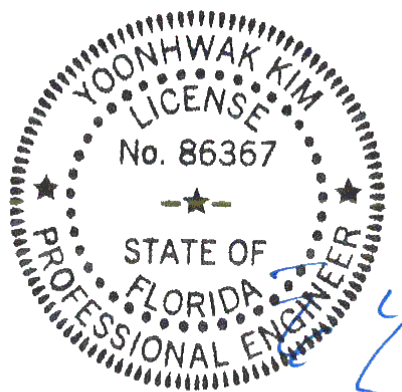
Supporting Member: (3)2x10 SP 2400f-2.0E

(46) 0.148"x3" nails into supporting

member,

(16) 0.148"x3" nails into supported

member.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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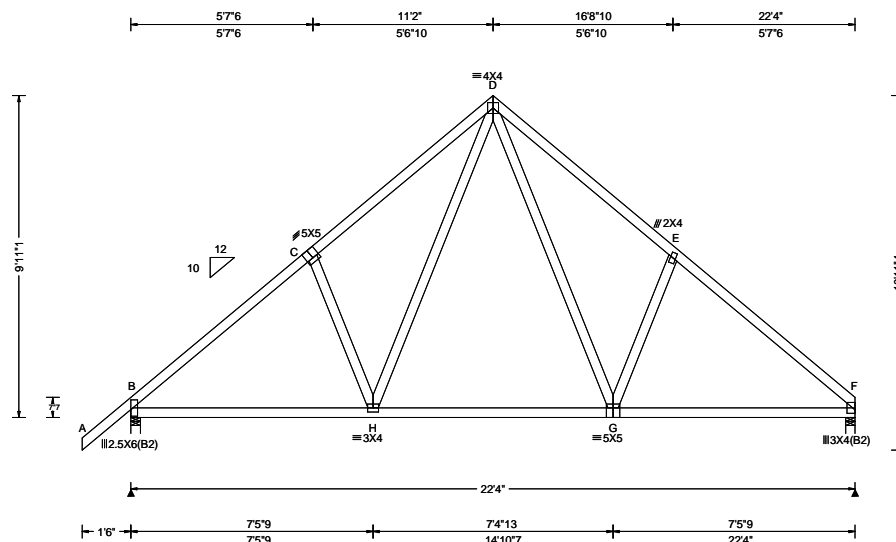
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**ALPINE**  
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6750 Forum Drive  
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Orlando FL, 32821

SEQN: 364893 FROM: CDM	COMN Ply: 1 Qty: 3	Job Number: 20-4523 Womble Residence Truss Label: G01	Cust: R 215 JRef: 1WY72150004 T41 DrwNo: 244.20.0847.49987 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.045 H 999 360 VERT(CL): 0.087 H 999 240 HORZ(LL): 0.024 G - - HORZ(TL): 0.046 G - - Creep Factor: 2.0 Max TC CSI: 0.485 Max BC CSI: 0.642 Max Web CSI: 0.340  VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1157 - / - / /668 /0 /327 F 1043 - / - / /567 - / - Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 F Brg Width = 3.5 Min Req = 1.5 Bearings B & F are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - C 232 - 1342 D - E 356 - 1206 C - D 333 - 1195 E - F 249 - 1348

#### Lumber

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

#### Loading

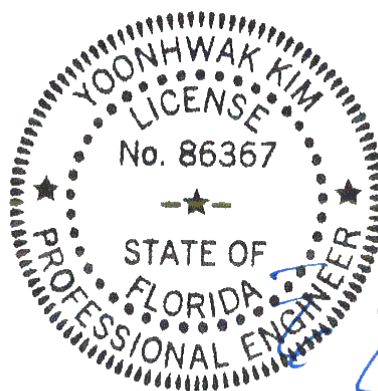
Truss passed check for 20 psf additional bottom  
chord live load in areas with 42"-high x 24"-wide  
clearance.

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is  
9-11-1.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

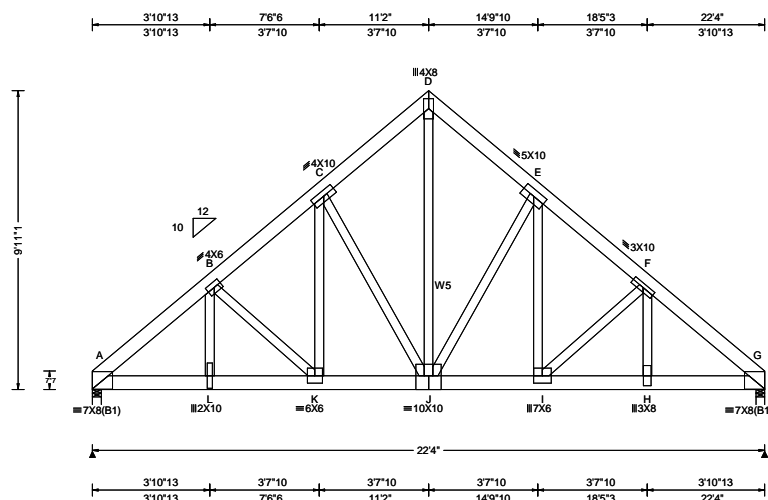
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**ALPINE**  
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Suite 305  
Orlando FL, 32821



SEQN: 364898 FROM: CDM	COMN Ply: 2 Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: G02	Cust: R 215 JRef: 1WY72150004 T55 DrwNo: 244.20.0847.51730 / YK 08/31/2020
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.27 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 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.101 I 999 360 VERT(CL): 0.200 I 999 240 HORZ(LL): 0.045 C - - HORZ(TL): 0.090 C - - Creep Factor: 2.0 Max TC CSI: 0.250 Max BC CSI: 0.552 Max Web CSI: 0.951  VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 9188 -/- /- /- /1348 -/ G 9647 -/- /- /- /1143 -/ Wind reactions based on MWFRS A Brg Width = 3.5 Min Req = 3.2 G Brg Width = 3.5 Min Req = 3.4 Bearings A & G are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. A - B 900 -6126 D - E 569 -3929 B - C 748 -5110 E - F 740 -5260 C - D 569 -3929 F - G 826 -6427

#### Lumber

Top chord: 2x6 SP 2400f-2.0E;  
Bot chord: 2x6 SP 2400f-2.0E;  
Webs: 2x4 SP #3; W5 2x4 SP M-31;

#### Nailnote

Nail Schedule: 0.128"x3", min. nails  
Top Chord: 1 Row @ 12.00" o.c.  
Bot Chord: 2 Rows @ 4.00" o.c. (Each Row)  
Webs : 1 Row @ 4" o.c.  
Use equal spacing between rows and stagger nails in each row to avoid splitting.

#### Special Loads

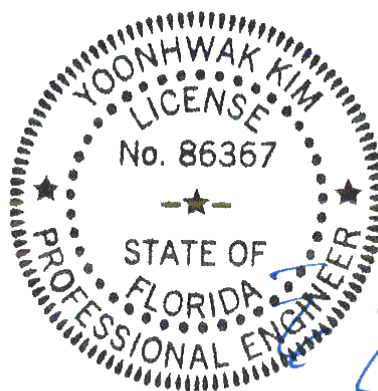
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 66 plf at 0.00 to 66 plf at 22.33  
BC: From 10 plf at 0.00 to 10 plf at 22.33  
BC: 1614 lb Conc. Load at 2.06, 4.06  
BC: 1617 lb Conc. Load at 6.06, 8.06, 10.06, 12.06, 14.06, 16.06, 17.40  
BC: 1295 lb Conc. Load at 18.73, 20.73

#### Wind

Wind loads and reactions based on MWFRS.

#### Additional Notes

The overall height of this truss excluding overhang is 9-11-1.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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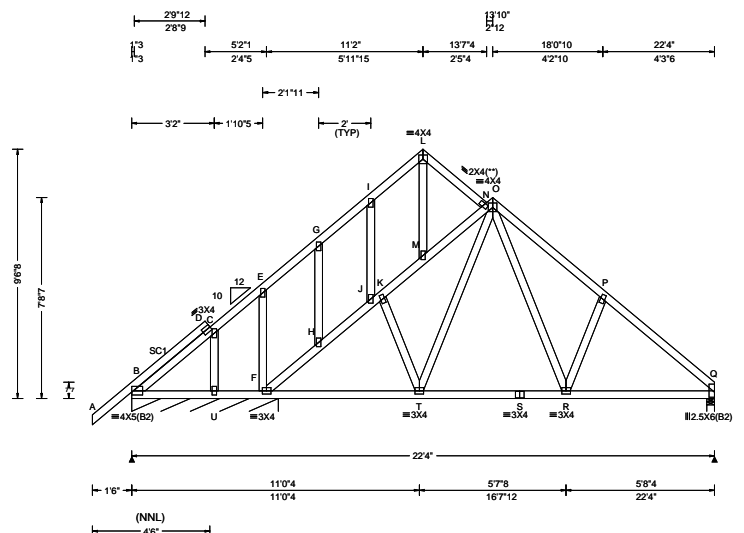
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SEQN: 364906 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: G03	Cust: R 215 JRef: 1WY72150004 T26 DrwNo: 244.20.0847.54330 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h Loc. from endwall: not in 7.13 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.030 R 999 360 VERT(CL): 0.069 R 999 240 HORZ(LL): 0.024 H - - HORZ(TL): 0.055 H - - Creep Factor: 2.0 Max TC CSI: 0.561 Max BC CSI: 0.617 Max Web CSI: 0.373  VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B* 372 -/- /180 /21 /82 Q 1253 -/- /667 /116 -/ Wind reactions based on MWFRS B Brg Width = 67.5 Min Req = - Q Brg Width = 3.5 Min Req = 1.5 Bearings B & Q are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp.

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

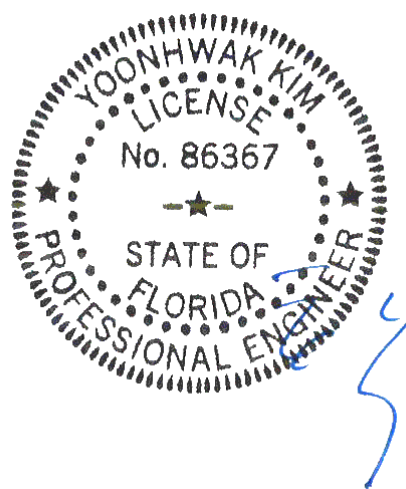
**Plating Notes**  
All plates are 2X4 except as noted.  
(\*\*) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

**Loading**  
Truss designed to support 1-6-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.  
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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

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

**Additional Notes**  
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 9'-6-8.

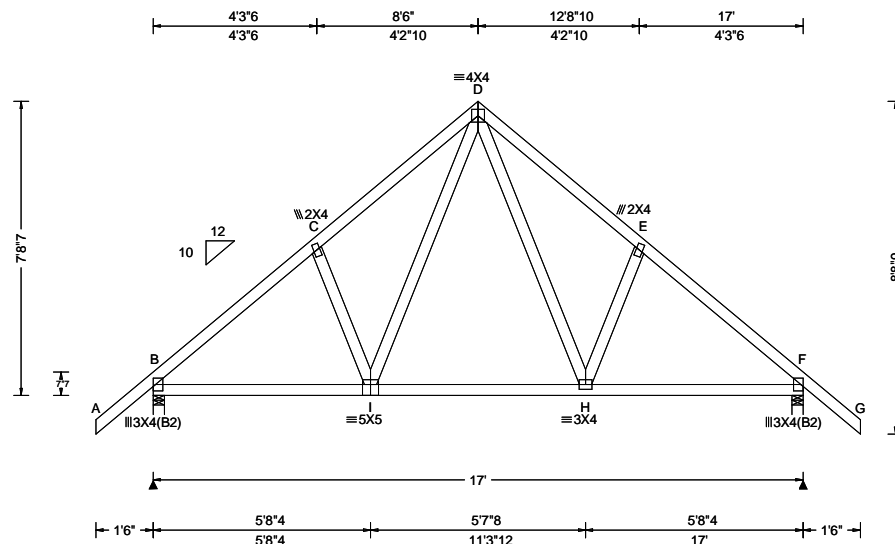


FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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Suite 305  
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SEQN: 363597 FROM: CDM	COMN Ply: 1 Qty: 3	Job Number: 20-4523 Womble Residence Truss Label: H01	Cust: R 215 JRef: 1WY72150004 T22 DrwNo: 244.20.0847.55930 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.027 H 999 360 VERT(CL): 0.052 H 999 240 HORZ(LL): 0.016 H - - HORZ(TL): 0.032 H - - Creep Factor: 2.0 Max TC CSI: 0.363 Max BC CSI: 0.394 Max Web CSI: 0.185  VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 888 -/- /- /533 /128 /285 F 888 -/- /- /533 /128 -/ Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 F Brg Width = 3.5 Min Req = 1.5 Bearings B & F are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - C 230 -966 D - E 319 -852 C - D 321 -851 E - F 229 -967

#### Lumber

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

#### Loading

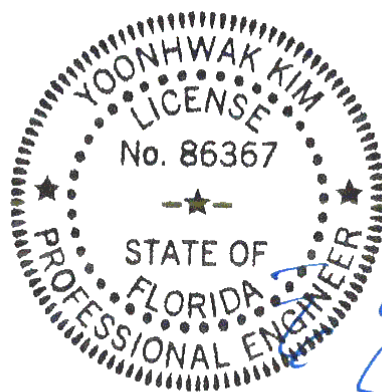
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

#### Wind

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

#### Additional Notes

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

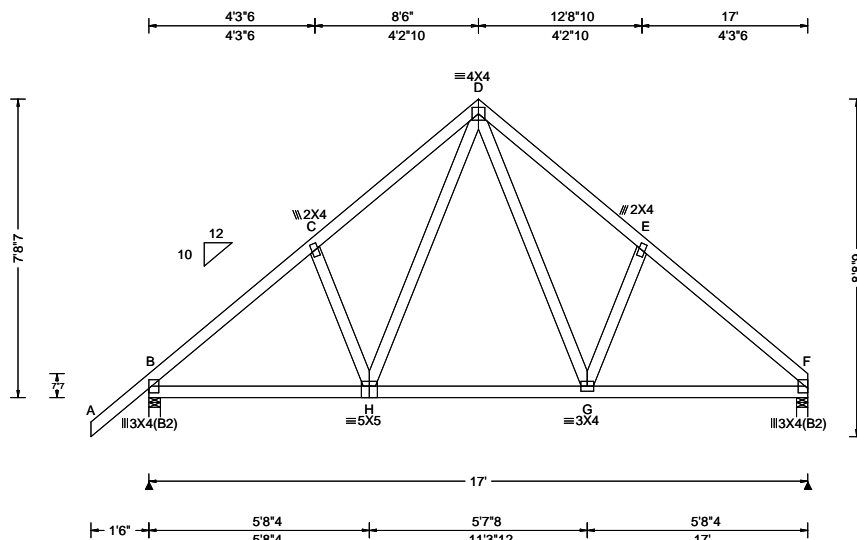


FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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SEQN: 364901 FROM: CDM	COMN Ply: 1 Qty: 4	Job Number: 20-4523 Womble Residence Truss Label: H02	Cust: R 215 JRef: 1WY72150004 T24 DrwNo: 244.20.0847.57290 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.026 H 999 360 VERT(CL): 0.051 H 999 240 HORZ(LL): 0.014 G - - HORZ(TL): 0.028 G - - Creep Factor: 2.0 Max TC CSI: 0.363 Max BC CSI: 0.398 Max Web CSI: 0.156  VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL B 893 -/- /- /533 /130 /260 F 777 -/- /- /431 /101 -/ Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 F Brg Width = 3.5 Min Req = 1.5 Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 177 -973 D - E 279 -873 C - D 258 -858 E - F 196 -982

#### Lumber

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

#### Loading

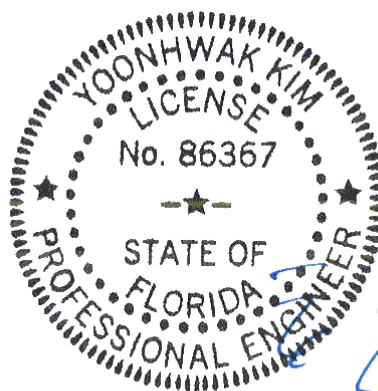
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

#### Wind

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

#### Additional Notes

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

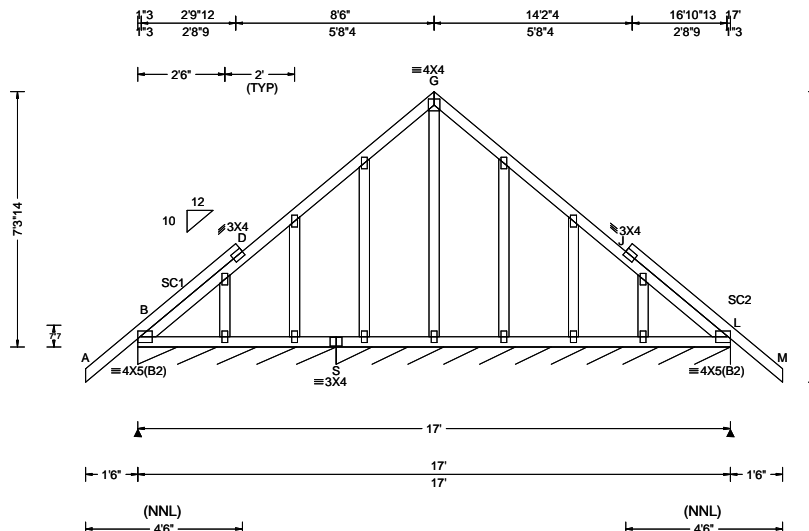


FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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Orlando FL, 32821

SEQN: 364910 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: H03	Cust: R 215 JRRef: 1WY72150004 T23 DrwNo: 244.20.0847.59133 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 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  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.003 J 999 360 VERT(CL): 0.007 J 999 240 HORZ(LL): -0.001 J - - HORZ(TL): 0.003 J - - Creep Factor: 2.0 Max TC CSI: 0.409 Max BC CSI: 0.141 Max Web CSI: 0.119  VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B* 154 -/- /90 -/- /19 S* 158 -/- /80 -/- /- Wind reactions based on MWFRS B Brg Width = 68.3 Min Req = - S Brg Width = 135 Min Req = - Bearings B & S 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;  
Stack Chord: SC1 2x4 SP #2;  
Stack Chord: SC2 2x4 SP #2;

#### Plating Notes

All plates are 2X4 except as noted.

#### Loading

Truss designed to support 1-6-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

#### Purlins

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

#### Wind

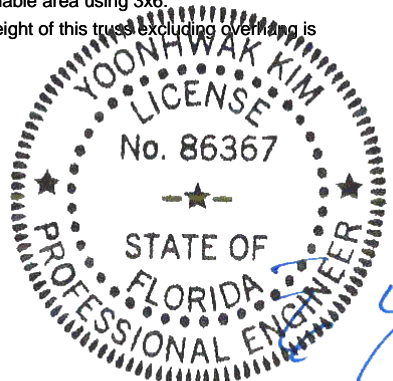
Wind loads based on MWFRS with additional C&C member design.

#### Additional Notes

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 7-3-14.



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08/31/2020

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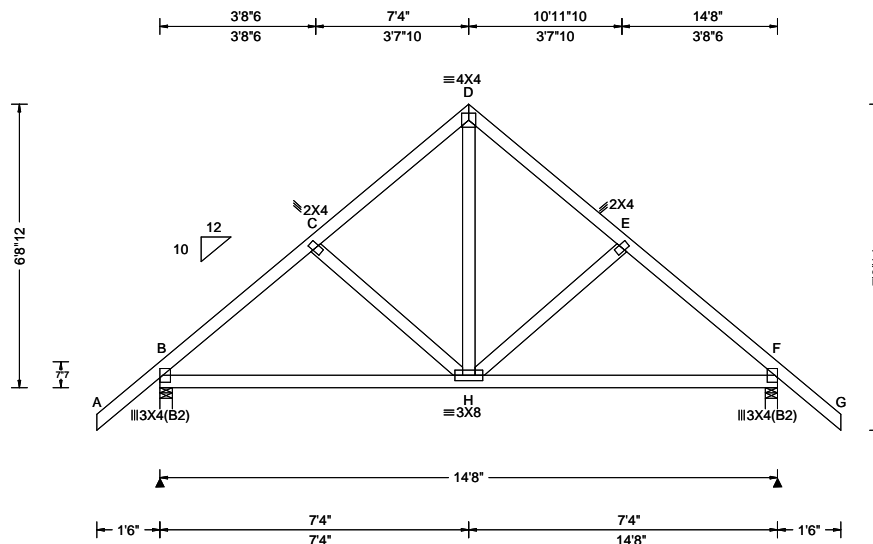
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SEQN: 363607 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: K01	Cust: R 215 JRef: 1WY72150004 T10 DrwNo: 244.20.0848.00600 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.016 H 999 360 VERT(CL): 0.033 H 999 240 HORZ(LL): 0.009 H - - HORZ(TL): 0.019 H - - Creep Factor: 2.0 Max TC CSI: 0.268 Max BC CSI: 0.524 Max Web CSI: 0.156  VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 738 -/- /- /474 /114 /256 F 738 -/- /- /474 /114 -/ Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 F Brg Width = 3.5 Min Req = 1.5 Bearings B & F are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - C 161 -731 D - E 178 -555 C - D 177 -555 E - F 163 -731

#### Lumber

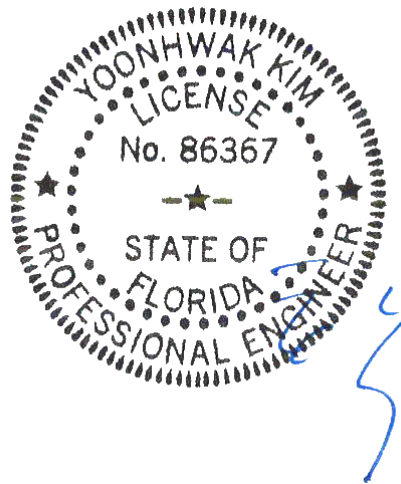
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 6-8-12.



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08/31/2020

#### Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - H	491 -126	H - F	491 -21

#### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.
D - H	409 -118

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

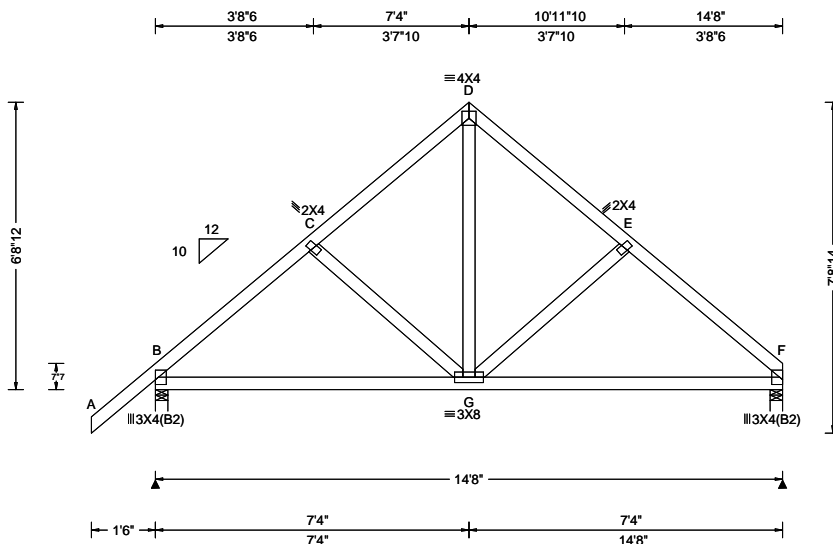
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6750 Forum Drive  
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Orlando FL, 32821

SEQN: 365114 FROM: CDM	COMN Ply: 1 Qty: 7	Job Number: 20-4523 Womble Residence Truss Label: K02	Cust: R 215 JRef: 1WY72150004 T11 DrwNo: 244.20.0848.02097 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.015 G 999 360 VERT(CL): 0.031 G 999 240 HORZ(LL): 0.007 G - - HORZ(TL): 0.016 G - - Creep Factor: 2.0 Max TC CSI: 0.273 Max BC CSI: 0.531 Max Web CSI: 0.159  VIEW Ver: 20.01.00A.0415.10	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 744 /- /- /474 /2 /230 F 625 /- /- /371 /- /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 F Brg Width = 3.5 Min Req = 1.5 Bearings B & F are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - C 166 -740 D - E 194 -567 C - D 179 -564 E - F 183 -746

#### Lumber

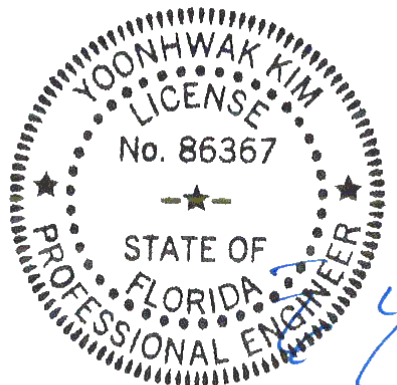
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 6-8-12.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

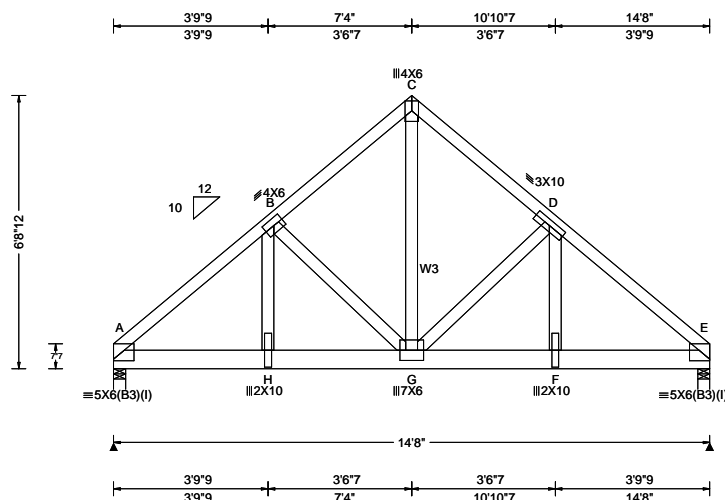
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SEQN: 363720 FROM: CDM	COMN Ply: 2 Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: K03	Cust: R 215 JRef: 1WY72150004 T40 DrwNo: 244.20.0848.12487 / YK 08/31/2020
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.070 G 999 360 VERT(CL): 0.139 G 999 240 HORZ(LL): 0.024 B - - HORZ(TL): 0.047 B - - Creep Factor: 2.0 Max TC CSI: 0.650 Max BC CSI: 0.391 Max Web CSI: 0.722  VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 6525 -/- /- /- /201 -/ E 6900 -/- /- /- /248 -/ Wind reactions based on MWFRS A Brg Width = 3.5 Min Req = 2.7 E Brg Width = 3.5 Min Req = 2.9 Bearings A & E are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. A - B 123 -3718 C - D 94 -2664 B - C 94 -2665 D - E 138 -3809

#### Lumber

Top chord: 2x4 SP #2;  
Bot chord: 2x6 SP 2400f-2.0E;  
Webs: 2x4 SP #3; W3 2x4 SP #2;

#### Nailnote

Nail Schedule: 0.128"x3", min. nails  
Top Chord: 1 Row @ 12.00" o.c.  
Bot Chord: 2 Rows @ 3.50" o.c. (Each Row)  
Webs : 1 Row @ 4" o.c.  
Use equal spacing between rows and stagger nails in each row to avoid splitting.

#### Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 66 plf at 0.00 to 66 plf at 14.67  
BC: From 10 plf at 0.00 to 10 plf at 14.67  
BC: 1703 lb Conc. Load at 1.40, 3.40, 5.40, 7.40  
9.40  
BC: 1897 lb Conc. Load at 11.40, 13.40

#### Plating Notes

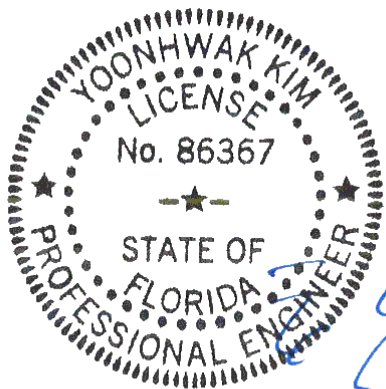
(I) - plates so marked were sized using 0% Fabrication Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance.

#### Wind

Wind loads and reactions based on MWFRS.

#### Additional Notes

The overall height of this truss excluding overhang is 6'-8-12.



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08/31/2020

#### Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - H	2787 -84	G - F	2835 -96
H - G	2767 -84	F - E	2858 -96

#### Maximum Web Forces Per Ply (lbs)

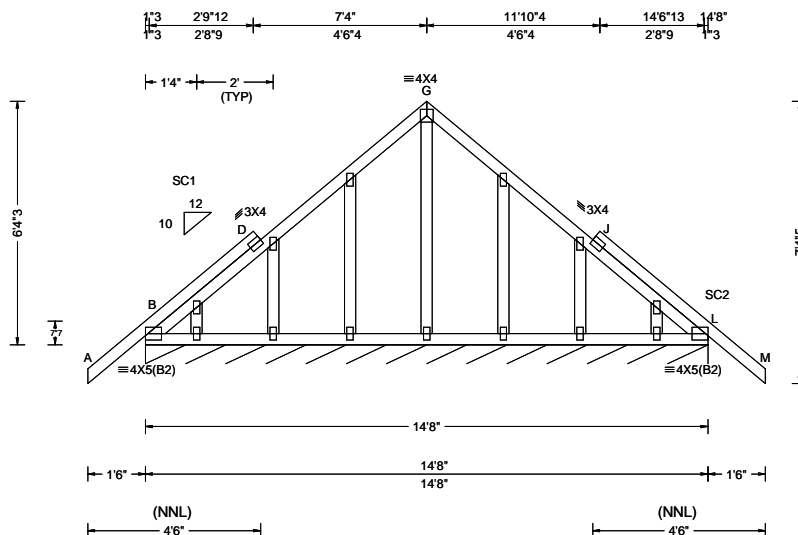
Webs	Tens.Comp.	Webs	Tens. Comp.
H - B	1338 0	G - D	47 -1113
B - G	31 -1018	D - F	1464 -21
C - G	3199 -66		

**\*\*WARNING\*\*** READ AND FOLLOW ALL NOTES ON THIS DRAWING!  
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SEQN: 364913 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: K04	Cust: R 215 JRef: 1WY72150004 T9 DrwNo: 244.20.0848.16033 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 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 7.13 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.002 N 999 360 VERT(CL): 0.004 N 835 240 HORZ(LL): -0.001 T - - HORZ(TL): 0.002 T - - Creep Factor: 2.0 Max TC CSI: 0.394 Max BC CSI: 0.155 Max Web CSI: 0.090  VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B* 158 -/- /- /77 -/- /7 Wind reactions based on MWFRS B Brg Width = 175 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.

#### Loading

Truss designed to support 1-6-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

#### Purlins

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

#### Wind

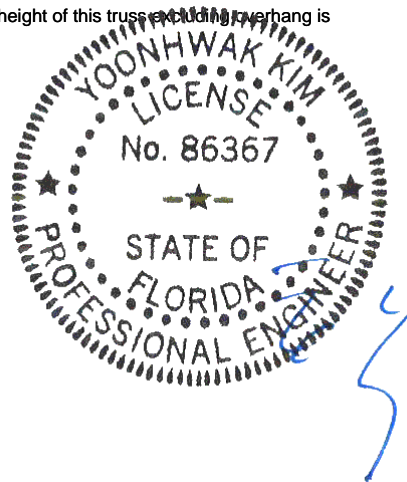
Wind loads based on MWFRS with additional C&C member design.

#### Additional Notes

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 including overhang is 6-4-3.



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08/31/2020

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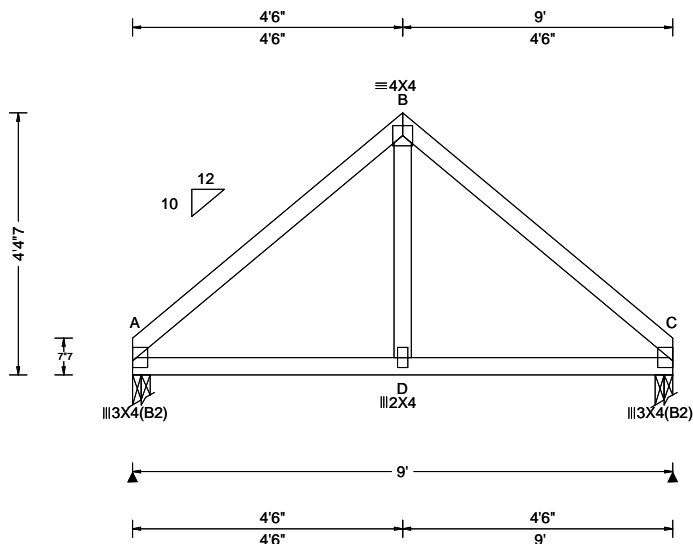
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SEQN: 363601 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: L01	Cust: R 215 JRef: 1WY72150004 T28 DrwNo: 244.20.0848.17953 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.003 D 999 360 VERT(CL): 0.006 D 999 240 HORZ(LL): 0.003 D - - HORZ(TL): 0.005 D - - Creep Factor: 2.0 Max TC CSI: 0.215 Max BC CSI: 0.200 Max Web CSI: 0.076  VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 387 /- /- /227 /53 /111 C 387 /- /- /227 /53 /- Wind reactions based on MWFRS A Brg Width = 3.5 Min Req = 1.5 C Brg Width = 3.5 Min Req = 1.5 Bearings A & C are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. A - B 135 -414 B - C 135 -414

#### Lumber

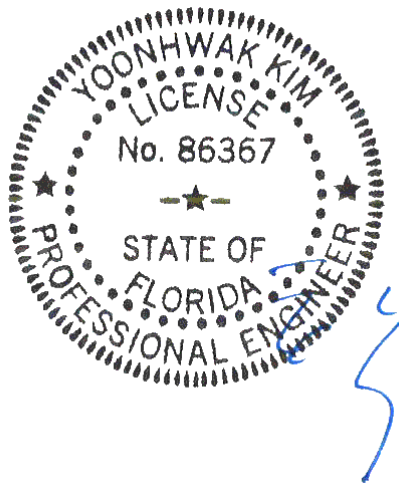
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 4'-4 7/8\"/>



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08/31/2020

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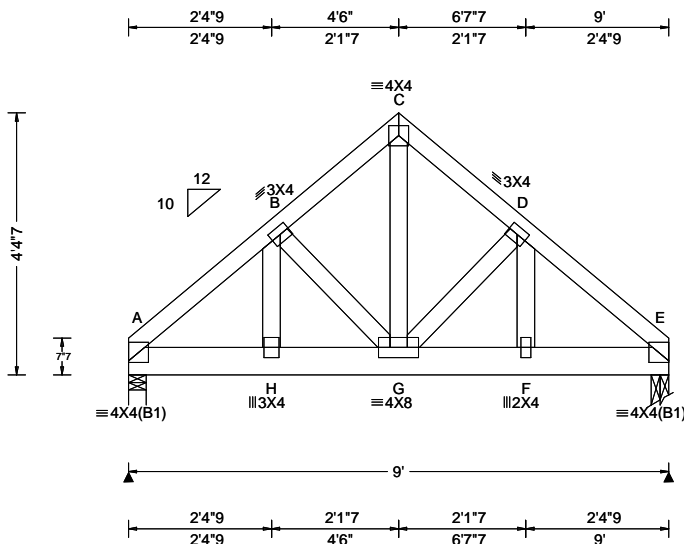
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SEQN: 364916 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: L02	Cust: R 215 JRRef: 1WY72150004 T66 DrwNo: 244.20.0848.22687 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.020 G 999 360 VERT(CL): 0.040 G 999 240 HORZ(LL): 0.007 B - - HORZ(TL): 0.013 B - - Creep Factor: 2.0 Max TC CSI: 0.376 Max BC CSI: 0.187 Max Web CSI: 0.533 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 1746 -/- /- /- /255 -/ E 1426 -/- /- /- /214 -/ Wind reactions based on MWFRS A Brg Width = 3.5 Min Req = 1.5 E Brg Width = 3.5 Min Req = 1.5 Bearings A & E are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 259 -1716 C - D 195 -1278 B - C 195 -1278 D - E 253 -1670

#### Lumber

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

#### Special Loads

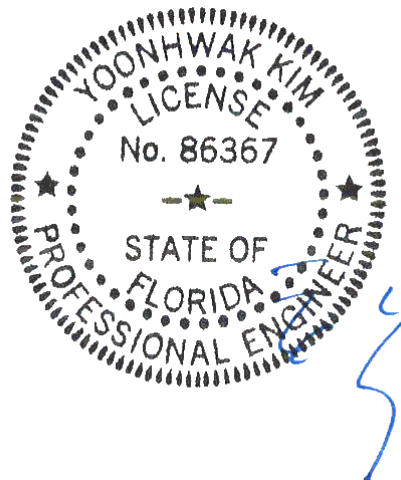
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 66 plf at 0.00 to 66 plf at 9.00  
BC: From 10 plf at 0.00 to 10 plf at 9.00  
BC: 622 lb Conc. Load at 0.94, 2.94, 4.94, 6.94

#### Wind

Wind loads and reactions based on MWFRS.

#### Additional Notes

The overall height of this truss excluding overhang is 4'-4-7".



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#### Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chords Tens. Comp.

A - H 1248 -183 G - F 1202 -177  
H - G 1237 -182 F - E 1212 -178

#### Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. Webs Tens. Comp.

H - B 487 -43 C - G 1398 -180  
B - G 61 -397 D - F 423 -35

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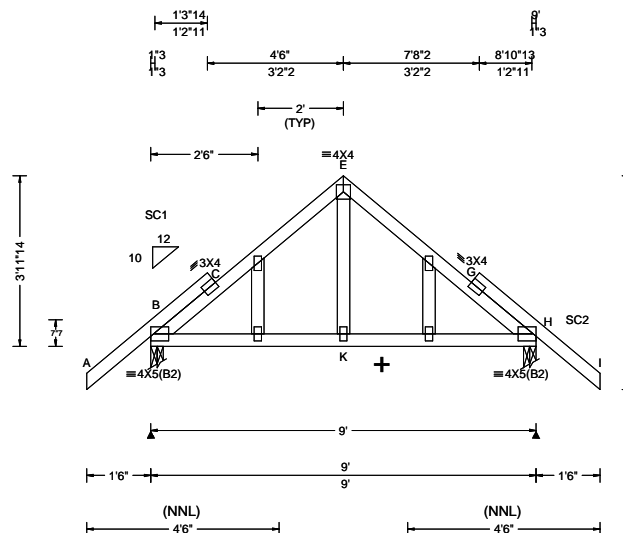
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SEQN: 364921 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: L03	Cust: R 215 JRef: 1WY72150004 T2 DrwNo: 244.20.0849.09860 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.017 L 999 360 VERT(CL): 0.034 L 999 240 HORZ(LL): 0.012 C - - HORZ(TL): 0.023 D - - Creep Factor: 2.0 Max TC CSI: 0.351 Max BC CSI: 0.322 Max Web CSI: 0.082  VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 748 -/- /- /460 /21 /107 H 748 -/- /- /460 /23 -/ Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 H Brg Width = 3.5 Min Req = 1.5 Bearings B & H are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - C 281 -740 E - G 34 -509 C - E 121 -509 G - H 171 -751

#### Lumber

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

#### Plating Notes

All plates are 2X4 except as noted.

#### Loading

Truss designed to support 1-6-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

#### Purlins

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

#### Wind

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

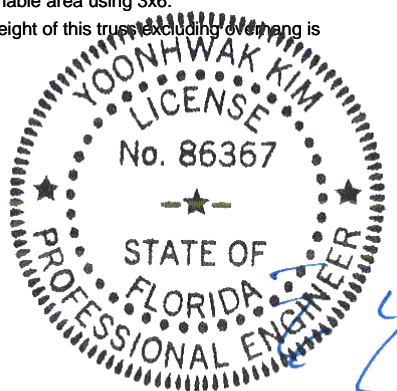
+ Member to be laterally braced for out of plane wind loads

#### Additional Notes

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 including overhang is 3-11-14.

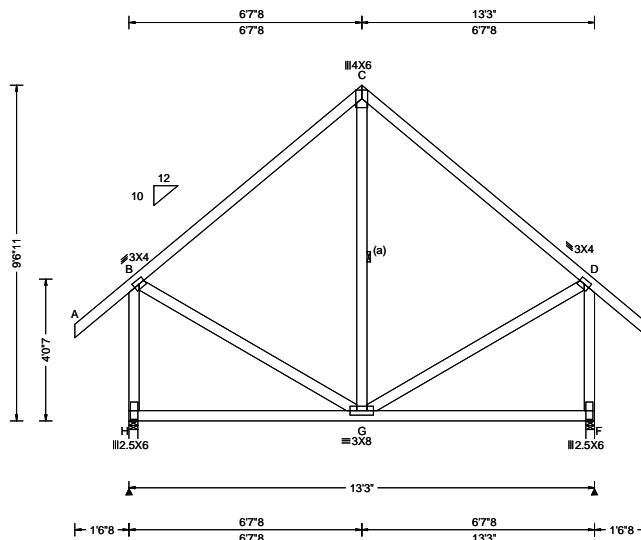


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08/31/2020

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SEQN: 364924 FROM: CDM	COMN Ply: 1 Qty: 2	Job Number: 20-4523 Womble Residence Truss Label: N01	Cust: R 215 JRef: 1WY72150004 T29 DrwNo: 244.20.0849.14673 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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: 16.15 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 Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.005 C 999 360 VERT(CL): 0.011 C 999 240 HORZ(LL): -0.005 C - - HORZ(TL): 0.006 C - - Creep Factor: 2.0 Max TC CSI: 0.542 Max BC CSI: 0.508 Max Web CSI: 0.341 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL H 680 /- /- /397 /116 /378 F 680 /- /- /397 /116 /- Wind reactions based on MWFRS H Brg Width = 3.0 Min Req = 1.5 F Brg Width = 3.0 Min Req = 1.5 Bearings H & 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 210 -432 C - D 213 -432

#### Lumber

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

#### Bracing

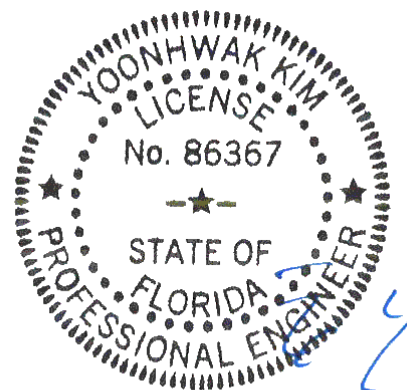
(a) Continuous lateral restraint equally spaced on member.

#### Wind

Wind loads based on MWFRS with additional C&C member design.  
End verticals exposed to wind pressure. Deflection meets L/360.

#### Additional Notes

The overall height of this truss excluding overhang is 9-6-11.



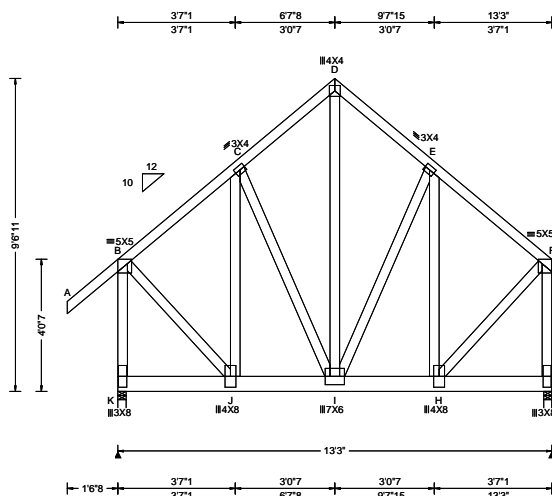
FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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SEQN: 364929 FROM: CDM	COMN Ply: 2 Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: N02	Cust: R 215 JRef: 1WY72150004 T27 DrwNo: 244.20.0849.17130 / YK 08/31/2020
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.15 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.031 I 999 360 VERT(CL): 0.061 I 999 240 HORZ(LL): 0.015 C - - HORZ(TL): 0.030 C - - Creep Factor: 2.0 Max TC CSI: 0.185 Max BC CSI: 0.381 Max Web CSI: 0.703  VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL K 6307 /- /- /- /979 /- G 6128 /- /- /- /930 /- Wind reactions based on MWFRS K Brg Width = 3.0 Min Req = 2.6 G Brg Width = 3.0 Min Req = 2.5 Bearings K & G are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - C 256 - 1640 D - E 235 - 1498 C - D 234 - 1496 E - F 265 - 1703

#### Lumber

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

#### Nailnote

Nail Schedule: 0.128"x3", min. nails  
Top Chord: 1 Row @ 12.00" o.c.  
Bot Chord: 2 Rows @ 3.50" o.c. (Each Row)  
Webs : 1 Row @ 4" o.c.  
Use equal spacing between rows and stagger nails in each row to avoid splitting.

#### Special Loads

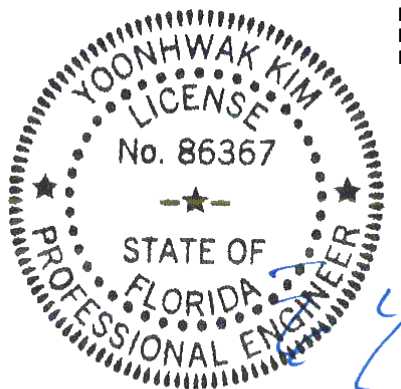
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 66 plf at -1.54 to 66 plf at 13.25  
BC: From 5 plf at -1.54 to 5 plf at 0.00  
BC: From 10 plf at 0.00 to 10 plf at 13.25  
BC: 1617 lb Conc. Load at 0.69, 2.69, 4.69, 6.69  
8.69, 10.69, 12.02

#### Wind

Wind loads and reactions based on MWFRS.  
End verticals exposed to wind pressure. Deflection meets L/360.

#### Additional Notes

The overall height of this truss excluding overhang is 9'-6"-11".



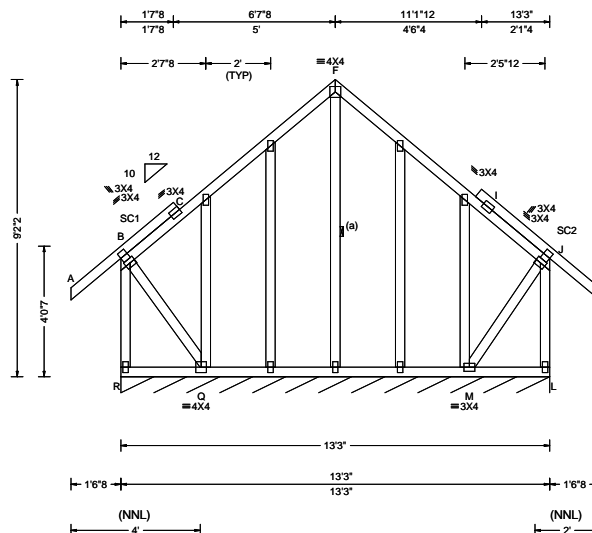
FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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SEQN: 364931 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: N03	Cust: R 215 JRef: 1WY72150004 T30 DrwNo: 244.20.0849.20067 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.96 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  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 J 999 360 VERT(CL): 0.003 J 999 240 HORZ(LL): 0.002 B - - HORZ(TL): 0.003 B - - Creep Factor: 2.0 Max TC CSI: 0.211 Max BC CSI: 0.058 Max Web CSI: 0.224  VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL L* 103 - / - / 61 - / 15 Wind reactions based on MWFRS L Brg Width = 158 Min Req = - Bearing R 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;

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

#### Plating Notes

All plates are 2X4 except as noted.

#### Wind

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

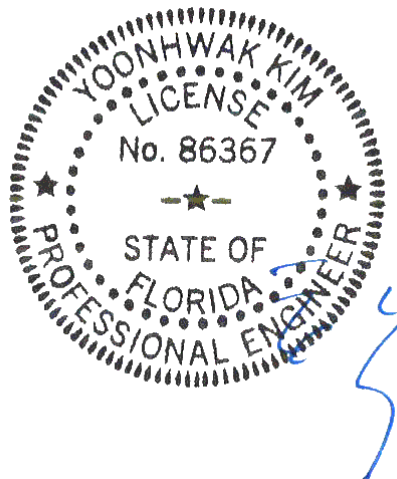
End verticals exposed to wind pressure. Deflection meets L/360.

#### Additional Notes

See DWGS A14030ENC101014 & 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 9-2-2.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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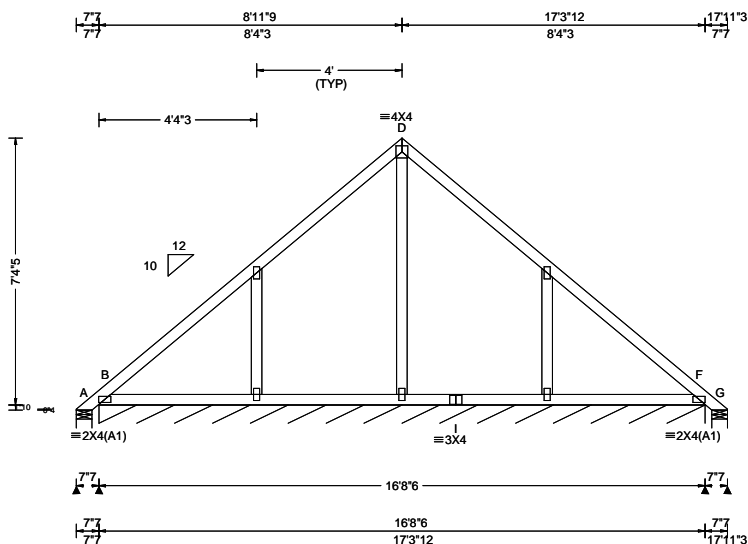
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SEQN: 364938 FROM: CDM	GABL Ply: 1 Qty: 22	Job Number: 20-4523 Womble Residence Truss Label: P01	Cust: R 215 JRef: 1WY72150004 T16 DrwNo: 244.20.0849.21203 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 19.05 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 C 999 360 VERT(CL): 0.002 C 999 240 HORZ(LL): 0.003 E - - HORZ(TL): 0.004 E - - Creep Factor: 2.0 Max TC CSI: 0.229 Max BC CSI: 0.078 Max Web CSI: 0.131  VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A - /-70 /- /190 /222 /230 B* 82 /- /- /56 /22 /- G - /-71 /- /60 /76 /- Wind reactions based on MWFRS A Brg Width = 5.2 Min Req = 1.5 B Brg Width = 200 Min Req = - G Brg Width = 5.2 Min Req = 1.5 Bearings A, B, & G are a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

#### Plating Notes

All plates are 2X4 except as noted.

#### Loading

Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

#### Wind

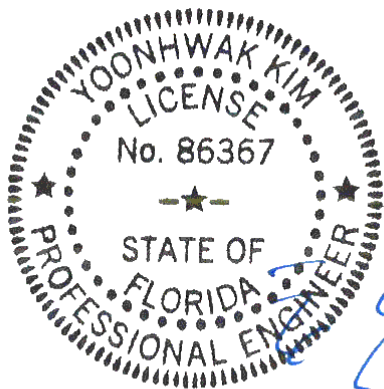
Wind loads based on MWFRS with additional C&C member design.

#### Additional Notes

See DWGS A14030ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.

Refer to DWG PB160101014 for piggyback details.

The overall height of this truss excluding overhang is 17'-5-15.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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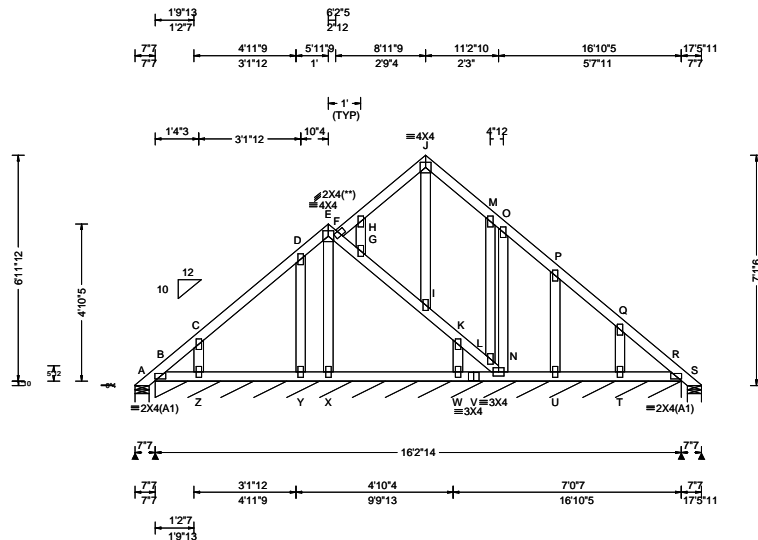
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SEQN: 364943 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: P02	Cust: R 215 JRef: 1WY72150004 T31 DrwNo: 244.20.0849.22710 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 23.76 ft TCDL: 5.0 psf BCDL: 2.0 psf MWFRS Parallel Dist: h to 2h Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.008 G 999 360 VERT(CL): 0.014 G 999 240 HORZ(LL): -0.006 H - - HORZ(TL): 0.011 H - - Creep Factor: 2.0 Max TC CSI: 0.138 Max BC CSI: 0.063 Max Web CSI: 0.077  VIEW Ver: 20.01.00A.0415.10	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A 25 /- /- /231 /189 /318 B* 65 /- /- /67 /5 /- S 19 /- /- /23 /5 /- Z /-129 Y /-123 N /-133 Wind reactions based on MWFRS A Brg Width = 5.2 Min Req = 1.5 B Brg Width = 194 Min Req = - S Brg Width = 5.2 Min Req = 1.5 Bearings A, B, & S are a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

#### Plating Notes

All plates are 2X4 except as noted.

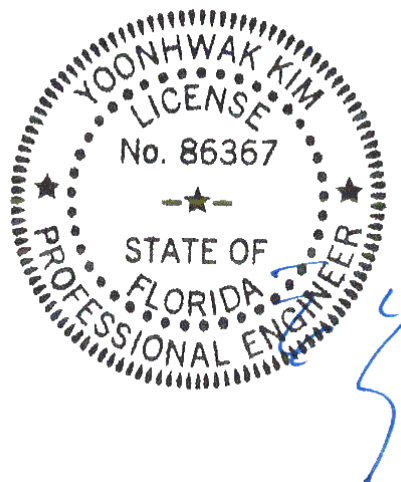
(\*\*) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

#### Wind

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

#### Additional Notes

Refer to DWG PB160101014 for piggyback details.  
The overall height of this truss excluding overhang is 7'-1-6.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

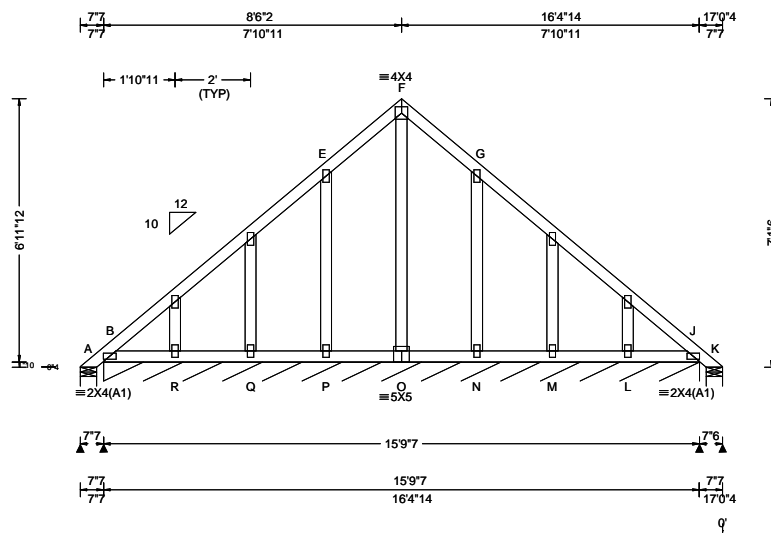
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SEQN: 364946 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: P03	Cust: R 215 JRef: 1WY72150004 T43 DrwNo: 244.20.0849.23873 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 19.05 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.002 F 999 360 VERT(CL): 0.003 G 999 240 HORZ(LL): 0.004 G - - HORZ(TL): 0.006 G - - Creep Factor: 2.0 Max TC CSI: 0.167 Max BC CSI: 0.046 Max Web CSI: 0.208  VIEW Ver: 20.01.00A.0415.10	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A 20 - / - /244 /228 /334 B* 174 - / - /69 /27 - K 23 - / - /24 /7 - R - /-114 Q - /-107 P - /-124 N - /-124 M - /-107 L - /-114 Wind reactions based on MWFRS A Brg Width = 5.2 Min Req = 1.5 B Brg Width = 189 Min Req = - K Brg Width = 5.2 Min Req = 1.5 Bearings A, B, & K are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. A - B 414 -413  <b>Maximum Gable Forces Per Ply (lbs)</b> Gables Tens.Comp. Gables Tens. Comp. E - P 181 -396 N - G 181 -406

#### Lumber

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

#### Plating Notes

All plates are 2X4 except as noted.

#### Loading

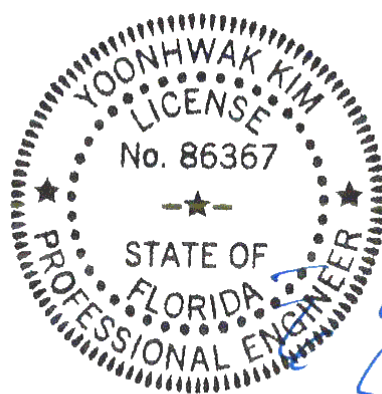
Truss designed to support 1-6-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

#### Wind

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

#### Additional Notes

See DWGS A14030ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.  
Refer to DWG PB160101014 for piggyback details.  
The overall height of this truss excluding overhang is 17-1-6.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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

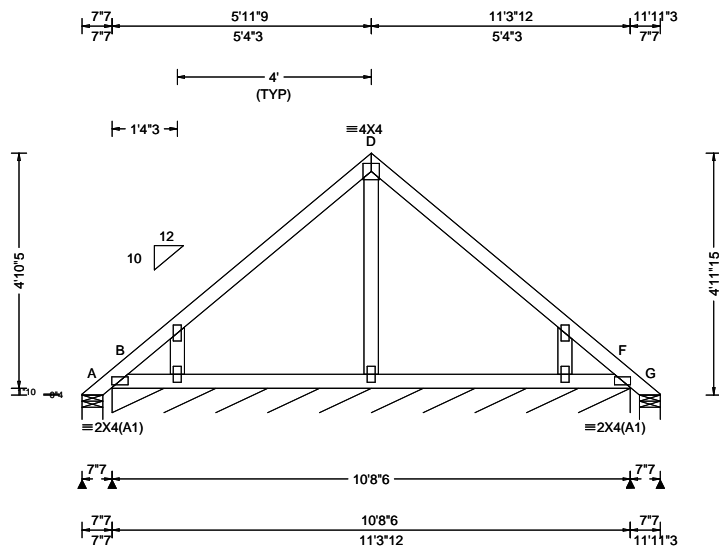
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**ALPINE**  
AN ITW COMPANY  
6750 Forum Drive  
Suite 305  
Orlando FL, 32821

SEQN: 365118 FROM: CDM	GABL Ply: 1 Qty: 14	Job Number: 20-4523 Womble Residence Truss Label: P04	Cust: R 215 JRef: 1WY72150004 T19 DrwNo: 244.20.0849.28203 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.44 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 D 999 360 VERT(CL): 0.001 D 999 240 HORZ(LL): 0.001 E - - HORZ(TL): 0.002 E - - Creep Factor: 2.0 Max TC CSI: 0.220 Max BC CSI: 0.059 Max Web CSI: 0.072  VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 35 - / - /115 /92 /156 B* 69 - / - /52 - / - G 35 - / - /22 /1 - Wind reactions based on MWFRS A Brg Width = 5.2 Min Req = 1.5 B Brg Width = 128 Min Req = - G Brg Width = 5.2 Min Req = 1.5 Bearings A, B, & G are a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

#### Plating Notes

All plates are 2X4 except as noted.

#### Loading

Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

#### Wind

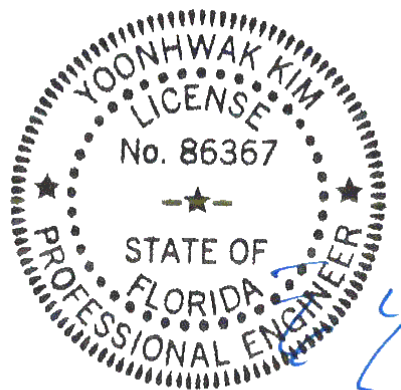
Wind loads based on MWFRS with additional C&C member design.

#### Additional Notes

See DWGS A14030ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.

Refer to DWG PB160101014 for piggyback details.

The overall height of this truss excluding overhang is 14-11-15.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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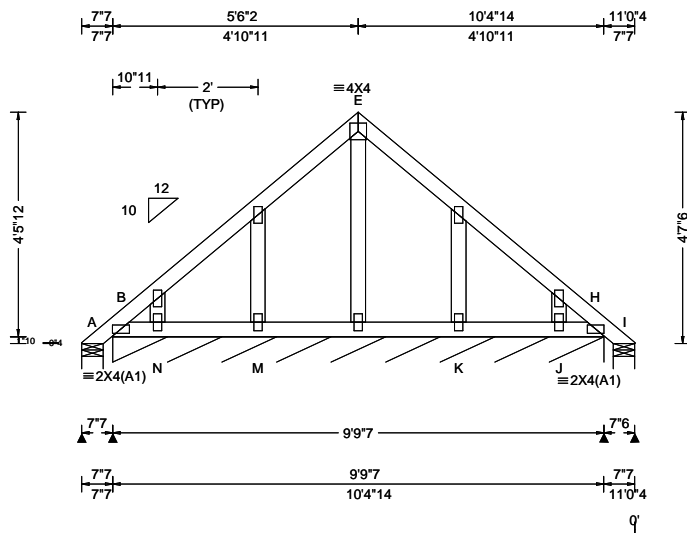
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

SEQN: 364949 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: P05	Cust: R 215 JRef: 1WY72150004 T25 DrwNo: 244.20.0849.31213 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.44 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h Loc. from endwall: not in 13.25 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 E 999 360 VERT(CL): 0.002 E 999 240 HORZ(LL): 0.002 F - - HORZ(TL): 0.003 F - - Creep Factor: 2.0 Max TC CSI: 0.152 Max BC CSI: 0.028 Max Web CSI: 0.054 VIEW Ver: 20.01.00A.0415.10	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A 37 /- /- /160 /140 /219 B* 164 /- /- /71 /26 /- I 37 /- /- /16 /3 /- N /-119 M /-173 K /-173 J /-119 Wind reactions based on MWFRS A Brg Width = 5.2 Min Req = 1.5 B Brg Width = 117 Min Req = - I Brg Width = 5.2 Min Req = 1.5 Bearings A, B, & I are a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

#### Plating Notes

All plates are 2X4 except as noted.

#### Loading

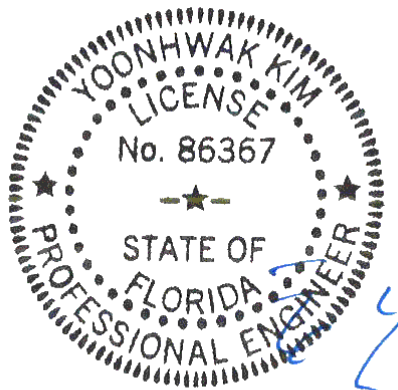
Truss designed to support 1-6-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

#### Wind

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

#### Additional Notes

See DWGS A14030ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.  
Refer to DWG PB160101014 for piggyback details.  
The overall height of this truss excluding overhang is 14-7-6.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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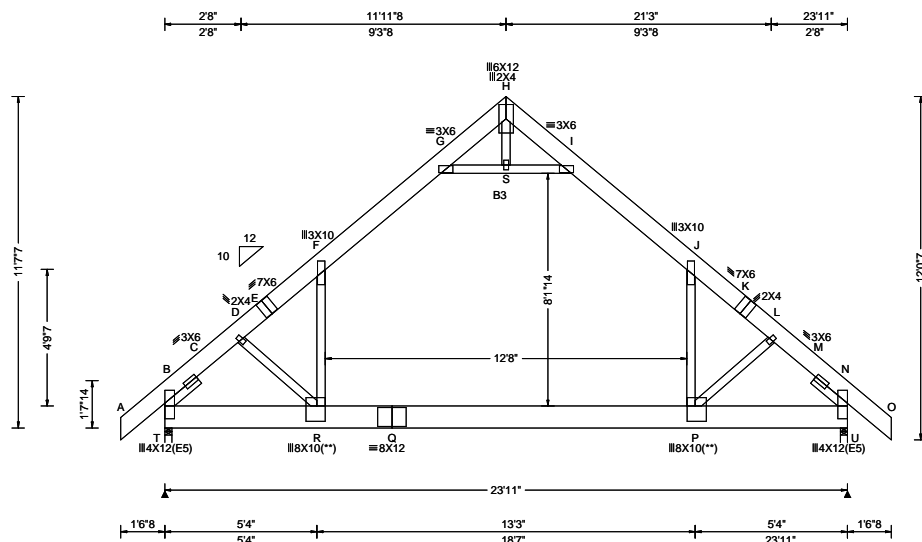
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**ALPINE**  
AN ITW COMPANY  
6750 Forum Drive  
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Orlando FL, 32821

SEQN: 364996 FROM: CDM	ATIC Ply: 1 Qty: 9	Job Number: 20-4523 Womble Residence Truss Label: R01	Cust: R 215 JRRef: 1WY72150004 T14 DrwNo: 244.20.0849.59360 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.139 R 999 480 VERT(CL): 0.283 R 999 360 HORZ(LL): -0.124 J - - HORZ(TL): 0.254 J - - Creep Factor: 2.0 Max TC CSI: 0.483 Max BC CSI: 0.418 Max Web CSI: 0.585  VIEW Ver: 20.01.00A.0415.10	Gravity Loc R+ / R- / Rh / Rw / U / RL T 2011 /- /- /701 /167 /367 U 2011 /- /- /701 /167 /- Wind reactions based on MWFRS T Brg Width = 3.0 Min Req = 1.7 U Brg Width = 3.0 Min Req = 1.7 Bearings T & 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 307 -2546 I - J 308 -1484 C - D 296 -2492 J - K 308 -2336 D - E 295 -2384 K - L 294 -2382 E - F 309 -2337 L - M 294 -2491 F - G 308 -1483 M - N 307 -2545

#### Lumber

Top chord: 2x8 SP 2400f-2.0E;  
Bot chord: 2x10 SP 2400f-2.0E; B3 2x4 SP #2;  
Webs: 2x4 SP #3;  
Lt Slider: 2x4 SP #3; block length = 1.500'  
Rt Slider: 2x4 SP #3; block length = 1.500'

#### Plating Notes

(\*\*) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

#### Loading

Attic room loading from 5-7-8 to 18-3-8: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

#### Purlins

Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

#### Wind

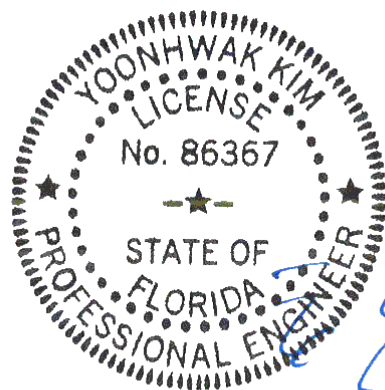
Wind loads based on MWFRS with additional C&C member design.

#### Blocking

Blocking reinforcement required to prevent buckling of members over the bearings:  
Bearing 1 located at 0.0' (blocking >= 9.25" if used)  
Bearing 2 located at 23.7' (blocking >= 9.25" if used)

#### Additional Notes

The overall height of this truss excluding overhang is 11-7-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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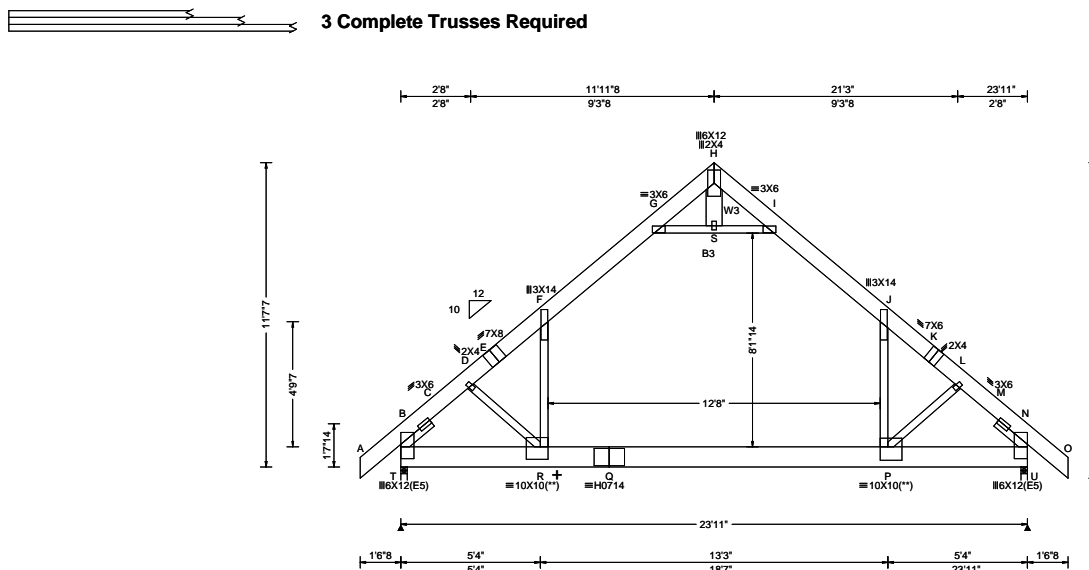
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**ALPINE**  
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Orlando FL, 32821



SEQN: 365014 FROM: CDM	ATIC Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: R02	Cust: R 215 JRRef: 1WY72150004 T62 DrwNo: 244.20.0850.05150 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 72.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.258 R 999 360 VERT(CL): 0.500 R 573 240 HORZ(LL): 0.216 F - - HORZ(TL): 0.419 F - - Creep Factor: 2.0 Max TC CSI: 0.686 Max BC CSI: 0.436 Max Web CSI: 0.817  VIEW Ver: 20.01.00A.0415.10	Gravity Loc R+ / R- / Rh / Rw / U / RL T 8660 -/- /- /- /669 -/ U 6822 -/- /- /- /670 -/ Wind reactions based on MWFRS T Brg Width = 3.0 Min Req = 2.4 U Brg Width = 3.0 Min Req = 1.9 Bearings T & U are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - C 220 -3399 H - I 394 0 C - D 201 -3344 I - J 205 -1834 D - E 175 -3208 J - K 157 -2899 E - F 157 -3161 K - L 175 -2945 F - G 205 -1732 L - M 202 -3057 G - H 497 0 M - N 220 -3114

**Lumber**  
Top chord: 2x8 SP 2400f-2.0E;  
Bot chord: 2x10 SP 2400f-2.0E; B3 2x4 SP #2;  
Webs: 2x4 SP #3; W3 2x8 SP 2400f-2.0E;  
Lt Slider: 2x4 SP #3; block length = 1.500'  
Rt Slider: 2x4 SP #3; block length = 1.500'

**Nailnote**  
Nail Schedule: 0.128"x3", min. nails  
Top Chord: 1 Row @ 4.00" o.c.  
Bot Chord: 1 Row @ 7.25" o.c.  
Webs: 1 Row @ 4" o.c.  
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

**Plating Notes**  
(\*\*) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

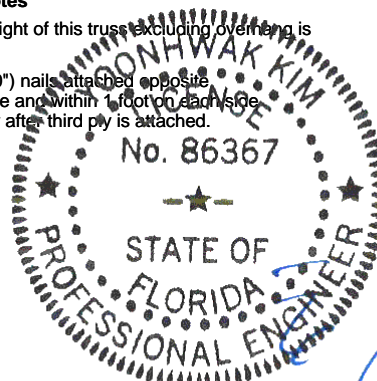
**Loading**  
Attic room loading from 5-7-8 to 18-3-8: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

**Purlins**  
In lieu of structural panels use purlins to brace TC @ 24" oc.  
Collar-tie braced with continuous lateral bracing at 24" oc.

**Wind**  
Wind loads and reactions based on MWFRS.

**Blocking**  
Apply additional nailing over the following bearings with fasteners at 4" oc both perpendicular and parallel to grain. In lieu of additional nailing, apply blocking reinforcement to prevent buckling of members over the bearings:  
Bearing 1 located at 0.0' (blocking >= 11.25" if used)  
Bearing 2 located at 23.7' (blocking >= 11.25" if used)

**Additional Notes**  
The overall height of this truss excluding overhang is 11'-7".  
+7-(0.128"x3.0") nails attached opposite to hanger face and within 1 foot on each side of the hanger after third ply is attached.



**Maximum Bot Chord Forces Per Ply (lbs)**  
Chords Tens.Comp. Chords Tens. Comp.  
B - R 2366 -135 Q - P 1834 -125  
R - Q 1834 -125 P - N 2103 -136

**Maximum Web Forces Per Ply (lbs)**  
Webs Tens.Comp. Webs Tens. Comp.  
D - R 11 -765 S - I 80 -2686  
F - R 2143 0 P - J 1567 0  
G - S 80 -2686 P - L 11 -447  
H - S 612 -16

**Special loads**  
(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 198 plf at -1.54 to 198 plf at 25.46  
TC: From 78 plf at 5.63 to 78 plf at 9.67  
TC: From 78 plf at 14.25 to 78 plf at 18.29  
PLT: From 60 plf at 10.02 to 60 plf at 13.90  
PLT: From 300 plf at 5.63 to 300 plf at 18.29  
BC: From 16 plf at -1.54 to 16 plf at 0.00  
BC: From 60 plf at 0.00 to 60 plf at 23.92  
BC: From 16 plf at 23.92 to 16 plf at 25.46  
BC: 3415 lb Conc. Load at 5.52+  
BC: 287 lb Conc. Load at 5.63,18.29

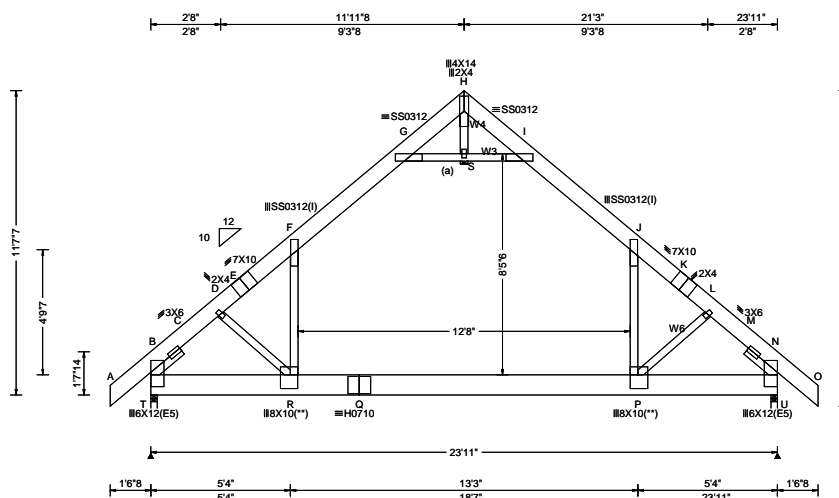
FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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

SEQN: 365056 FROM: CDM	ATIC Ply: 2 Qty: 2	Job Number: 20-4523 Womble Residence Truss Label: R03	Cust: R 215 JRef: 1WY72150004 T87 DrwNo: 244.20.0852.10270 / YK 08/31/2020
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE, 18SS, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.253 R 999 360 VERT(CL): 0.499 R 575 240 HORZ(LL): -0.218 J - - HORZ(TL): 0.431 J - - Creep Factor: 2.0 Max TC CSI: 0.912 Max BC CSI: 0.418 Max Web CSI: 0.795  VIEW Ver: 20.01.00A.0415.10	Gravity Loc R+ / R- / Rh / Rw / U / RL T 5965 -/- /- /701 /222 /367 U 7029 -/- /- /701 /221 -/ Wind reactions based on MWFRS T Brg Width = 3.0 Min Req = 2.5 U Brg Width = 3.0 Min Req = 2.9 Bearings T & U are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - C 132 -3676 H - I 1145 -35 C - D 109 -3644 I - J 124 -1749 D - E 110 -3534 J - K 119 -3483 E - F 118 -3511 K - L 112 -3507 F - G 123 -1737 L - M 111 -3613 G - H 1157 -32 M - N 133 -3643

#### Lumber

Top chord: 2x8 SP 2400f-2.0E;  
Bot chord: 2x10 SP 2400f-2.0E;  
Webs: 2x4 SP #2; W3,W4,W6 2x4 SP #3;  
Lt Slider: 2x4 SP #3; block length = 1.500'  
Rt Slider: 2x4 SP #3; block length = 1.500'

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

#### Nailnote

Nail Schedule: 0.128"x3", min. nails  
Top Chord: 1 Row @ 12.00" o.c.  
Bot Chord: 1 Row @ 3.75" o.c.  
Webs : 1 Row @ 4" o.c.  
Use equal spacing between rows and stagger nails in each row to avoid splitting.

#### Plating Notes

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

(\*\*) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

#### Loading

Attic room loading from 5-7-8 to 18-3-8: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

#### Wind

Wind loads based on MWFRS.

#### Purlins

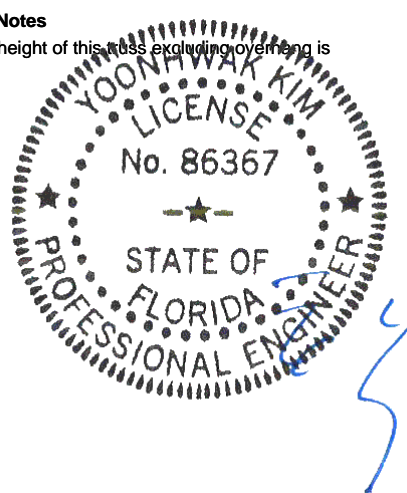
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

#### Blocking

Blocking reinforcement required to prevent buckling of members over the bearings:  
Bearing 1 located at 0.0' (blocking >= 11.25" if used)  
Bearing 2 located at 23.7' (blocking >= 11.25" if used)

#### Additional Notes

The overall height of this truss excluding overhang is 11-7-7.

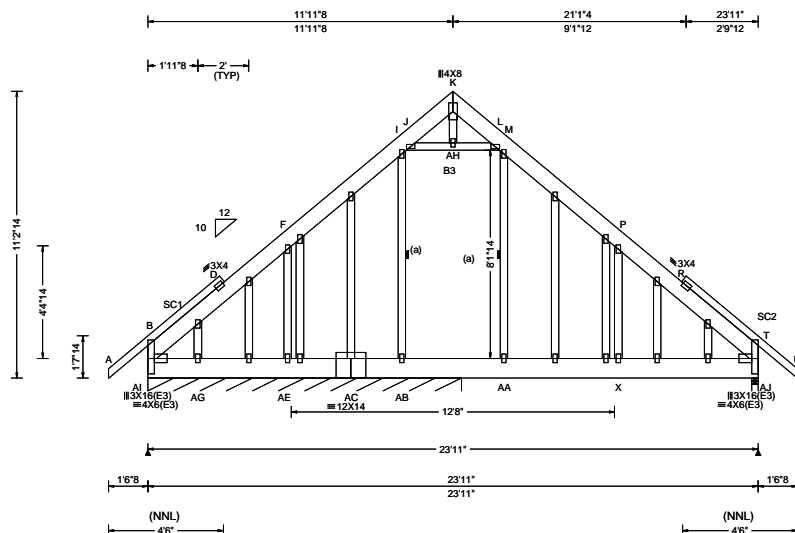


FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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

**ALPINE**  
AN ITW COMPANY  
6750 Forum Drive  
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SEQN: 365074 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: R04	Cust: R 215 JRef: 1WY72150004 T57 DrwNo: 244.20.0852.12803 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.071 Y 999 360 VERT(CL): 0.136 Y 999 240 HORZ(LL): -0.051 O - - HORZ(TL): 0.098 O - - Creep Factor: 2.0 Max TC CSI: 0.389 Max BC CSI: 0.273 Max Web CSI: 0.212  VIEW Ver: 20.01.00A.0415.10	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity AI* 253 -/- /107 -/- /9 AJ 1066 -/- /573 -/- /- AG -/-123 AB -/-334 Wind reactions based on MWFRS AI Brg Width = 147 Min Req = - AJ Brg Width = 3.0 Min Req = 1.5 Bearings AI & AJ are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp.

**Lumber**  
Top chord: 2x8 SP 2400f-2.0E;  
Bot chord: 2x10 SP 2400f-2.0E; B3 2x4 SP #2;  
Webs: 2x4 SP #3;  
Stack Chord: SC1 2x4 SP #2;  
Stack Chord: SC2 2x4 SP #2;

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

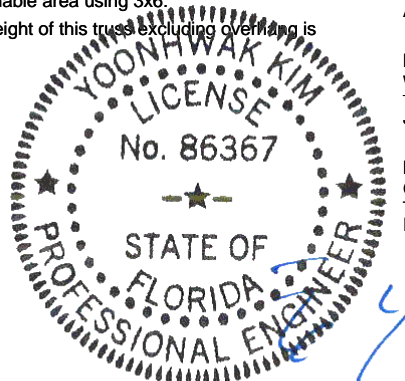
**Plating Notes**  
All plates are 2X4 except as noted.

**Loading**  
Truss designed to support 1-6-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.  
Attic room loading from 5-7-8 to 18-3-8: Live Load: 40 PSF, Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

**Purlins**  
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

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

**Additional Notes**  
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 11'-2-14."



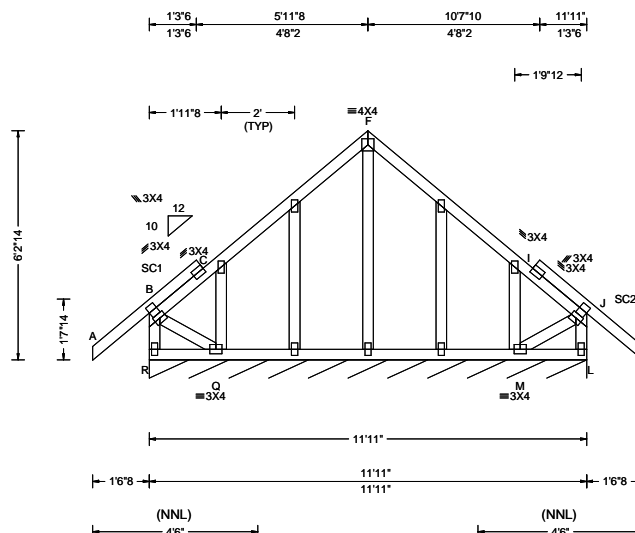
Chords	Tens.Comp.	Chords	Tens. Comp.
B - D	464 -352	L - M	253 -416
D - F	505 -405	P - R	58 -418
F - I	516 -419	R - T	8 -404
I - J	295 -405		
Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - AE	287 -380	AB-AA	694 -46
AE-AC	263 -378		
Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
J - AH	412 -324	AH- L	412 -324
Maximum Gable Forces Per Ply (lbs)			
Gables	Tens.Comp.	Gables	Tens. Comp.
I - AB	0 -387	AA- M	8 -543

FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSA (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSA. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSA sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.  
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.  
For more information see these web sites: Alpine: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 365077 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: R05	Cust: R 215 JRef: 1WY72150004 T56 DrwNo: 244.20.0852.14667 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 B 999 360 VERT(CL): 0.002 B 999 240 HORZ(LL): 0.001 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.210 Max BC CSI: 0.032 Max Web CSI: 0.076  VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL L* 104 /- /- /62 /- /6 Wind reactions based on MWFRS L Brg Width = 142 Min Req = - Bearing R 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

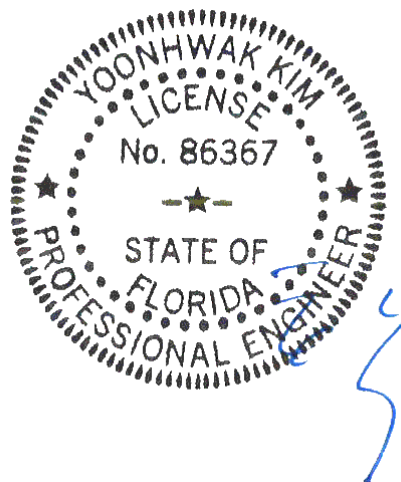
Wind loads based on MWFRS with additional C&C member design.

#### Additional Notes

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

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

The overall height of this truss excluding overhang is 6-2-14.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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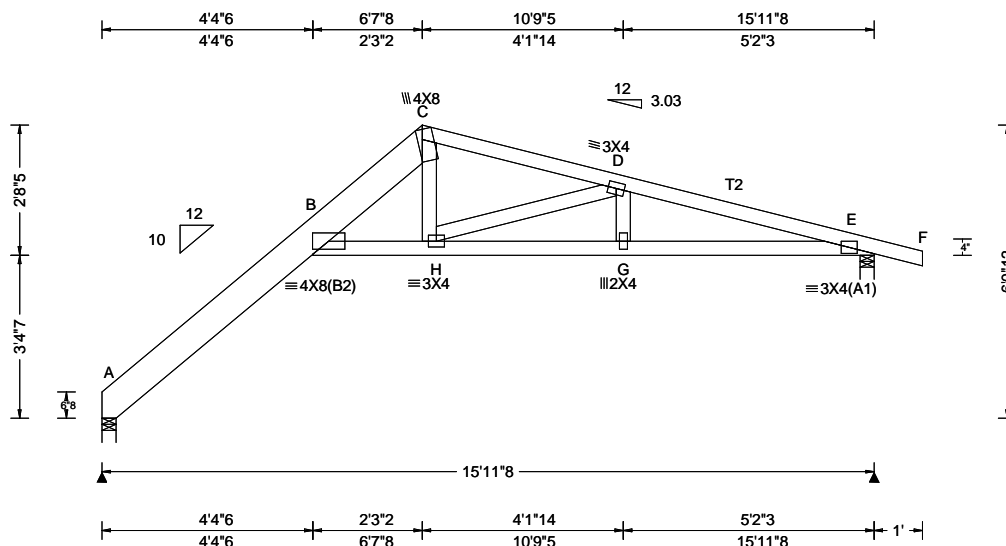
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For more information see these web sites: Alpine: [www.alpineitw.com](http://www.alpineitw.com); TPI: [www.tpinet.org](http://www.tpinet.org); SBCA: [www.sbcindustry.com](http://www.sbcindustry.com); ICC: [www.iccsafe.org](http://www.iccsafe.org)

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6750 Forum Drive  
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Orlando FL, 32821

SEQN: 364952 FROM: CDM	COMN Ply: 1 Qty: 4	Job Number: 20-4523 Womble Residence Truss Label: S01	Cust: R 215 JRef: 1WY72150004 T63 DrwNo: 244.20.0852.18033 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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: 17.86 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.189 H 986 360 VERT(CL): 0.362 H 514 240 HORZ(LL): 0.172 G - - HORZ(TL): 0.330 G - - Creep Factor: 2.0 Max TC CSI: 0.367 Max BC CSI: 0.472 Max Web CSI: 0.193  VIEW Ver: 20.01.00A.0415.10	Gravity Loc R+ / R- / Rh / Rw / U / RL A 599 -/- /- /420 /81 /129 E 701 -/- /- /356 /141 -/ Non-Gravity Wind reactions based on MWFRS A Brg Width = 3.5 Min Req = 1.5 E Brg Width = 3.5 Min Req = 1.5 Bearings A & E Fcperp = 565psi. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - C 298 -922 D - E 496 -1668 C - D 381 -1128  <b>Maximum Bot Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - H 1059 -294 G - E 1589 -444 H - G 1582 -445  <b>Maximum Web Forces Per Ply (lbs)</b> Webs Tens.Comp. H - D 160 -541

#### Lumber

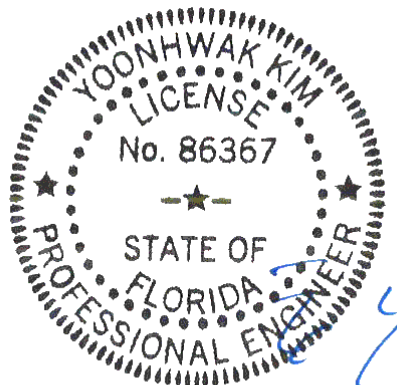
Top chord: 2x8 SP 2400F-2.0E; T2 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

#### Wind

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

#### Additional Notes

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



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08/31/2020

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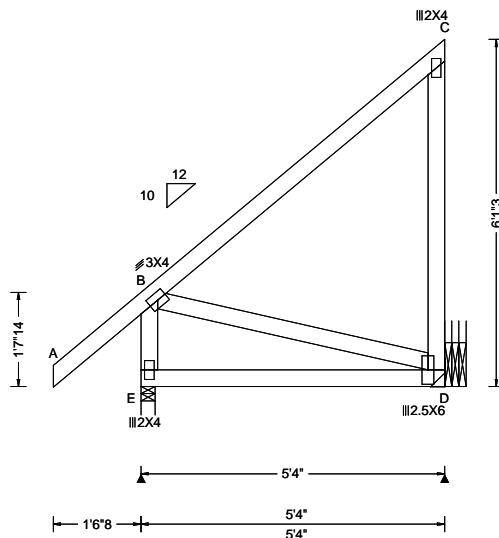
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**ALPINE**  
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SEQN: 365110 FROM: CDM	MONO Ply: 1 Qty: 7	Job Number: 20-4523 Womble Residence Truss Label: T01	Cust: R 215 JRef: 1WY72150004 T58 DrwNo: 244.20.0852.20753 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 C 999 360 VERT(CL): 0.002 C 999 240 HORZ(LL): -0.003 C - - HORZ(TL): 0.004 C - - Creep Factor: 2.0 Max TC CSI: 0.456 Max BC CSI: 0.331 Max Web CSI: 0.112  VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 355 /- /- /240 /- /162 D 214 /- /- /196 /119 /- Wind reactions based on MWFRS E Brg Width = 3.0 Min Req = 1.5 D Brg Width = - Min Req = - Bearing E 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;

#### Hangers / Ties

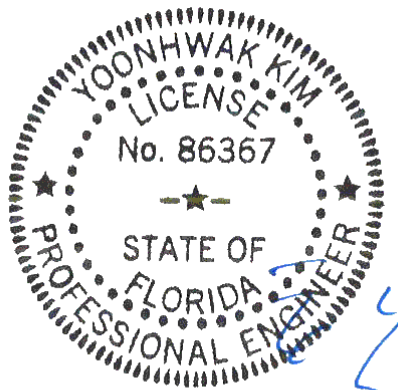
(J) Hanger Support Required, by others

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 6'-1-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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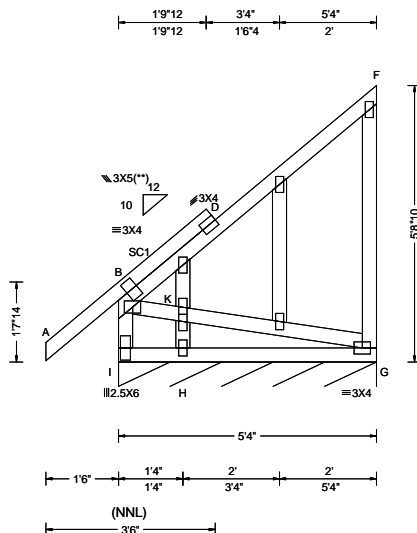
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**ALPINE**  
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SEQN: 364963 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: T02	Cust: R 215 JRef: 1WY72150004 T47 DrwNo: 244.20.0852.22757 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.019 E 999 360 VERT(CL): 0.041 E 999 240 HORZ(LL): 0.016 E - - HORZ(TL): 0.033 E - - Creep Factor: 2.0 Max TC CSI: 0.408 Max BC CSI: 0.133 Max Web CSI: 0.583  VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL I* 167 /- /- /94 /9 /27 Wind reactions based on MWFRS I Brg Width = 64.0 Min Req = - Bearing I is a rigid surface. Members not listed have forces less than 375# <b>Maximum Gable Forces Per Ply (lbs)</b> Gables Tens.Comp. H - K 0 -398

#### Lumber

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

#### Plating Notes

All plates are 2X4 except as noted.

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

#### Loading

Truss designed to support 1-6-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

#### Wind

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

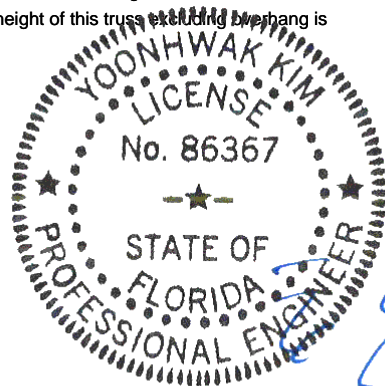
Right end vertical not exposed to wind pressure.

#### Additional Notes

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 including overhang is 5-8-10.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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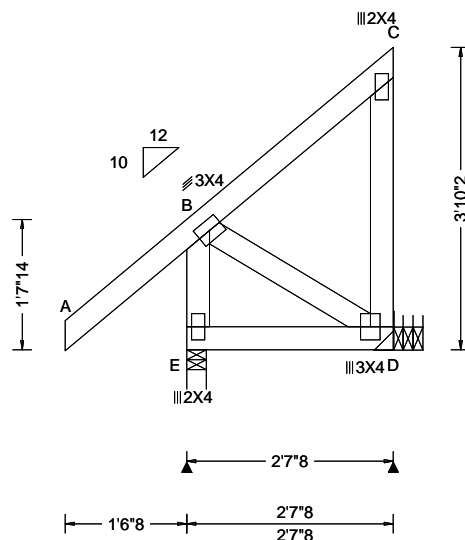
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AN ITW COMPANY  
6750 Forum Drive  
Suite 305  
Orlando FL, 32821

SEQN: 364987 FROM: CDM	MONO Ply: 1 Qty: 4	Job Number: 20-4523 Womble Residence Truss Label: T03	Cust: R 215 JRef: 1WY72150004 T17 DrwNo: 244.20.0852.24457 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 B 999 360 VERT(CL): 0.001 B 999 240 HORZ(LL): -0.001 C - - HORZ(TL): 0.001 C - - Creep Factor: 2.0 Max TC CSI: 0.211 Max BC CSI: 0.076 Max Web CSI: 0.059  VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 255 /- /- /170 /- /97 D 81 /- /- /93 /78 /- Wind reactions based on MWFRS E Brg Width = 3.0 Min Req = 1.5 D Brg Width = - Min Req = - Bearing E 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;

#### Hangers / Ties

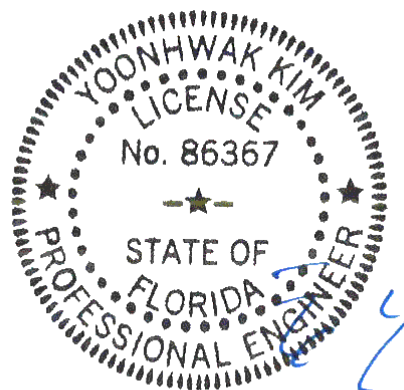
(J) Hanger Support Required, by others

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 3-10-2.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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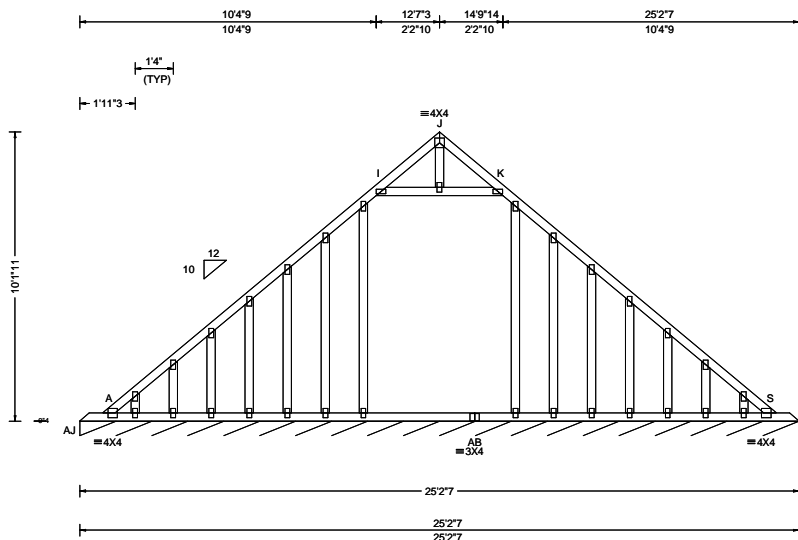
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6750 Forum Drive  
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Orlando FL, 32821

SEQN: 365084 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: V1	Cust: R 215 JRef: 1WY72150004 T3 DrwNo: 244.20.0852.26237 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 20.53 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 3.56 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.008 J 999 360 VERT(CL): 0.019 J 999 240 HORZ(LL): -0.007 I - - HORZ(TL): 0.012 G - - Creep Factor: 2.0 Max TC CSI: 0.189 Max BC CSI: 0.109 Max Web CSI: 0.223  VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL T* 141 /- /- /57 /29 /18 Wind reactions based on MWFRS T Brg Width = 302 Min Req = - Bearing AJ is a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. A - I 231 -462 J - K 74 -393 I - J 74 -393 K - S 231 -462

#### Lumber

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

#### Plating Notes

All plates are 2X4 except as noted.

#### Loading

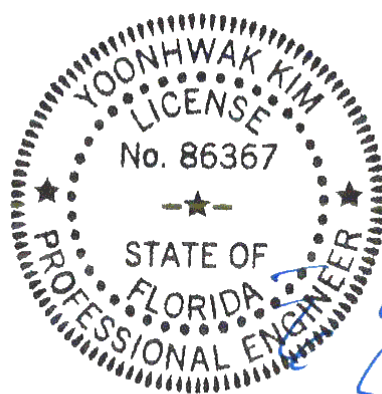
Truss designed to support 1-6-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

#### Wind

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

#### Additional Notes

See DWGS A14030ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.  
The overall height of this truss excluding overhang is 10-1-11.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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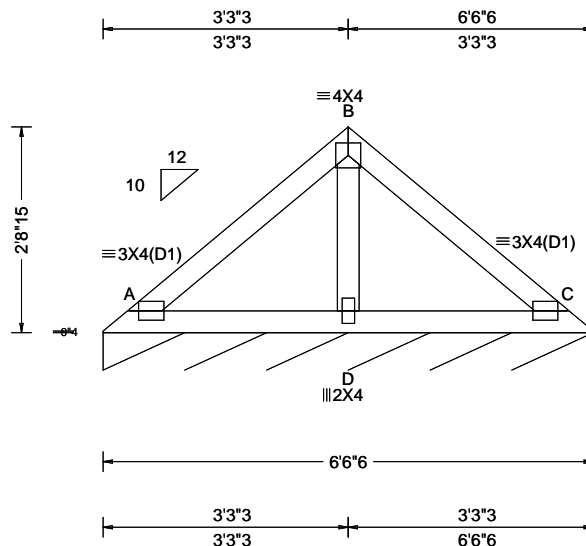
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Orlando FL, 32821

SEQN: 365095 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: V10	Cust: R 215 JRef: 1WY72150004 T36 DrwNo: 244.20.0852.27500 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 18.71 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.003 D 999 360 VERT(CL): 0.006 D 999 240 HORZ(LL): -0.002 D - - HORZ(TL): 0.004 D - - Creep Factor: 2.0 Max TC CSI: 0.148 Max BC CSI: 0.115 Max Web CSI: 0.058  VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 85 /- /- /46 /1 /11 Wind reactions based on MWFRS C Brg Width = 78.4 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

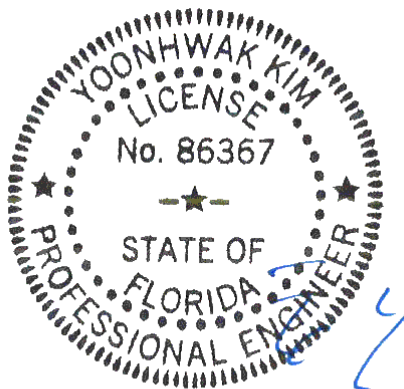
#### Wind

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

#### Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 28-15.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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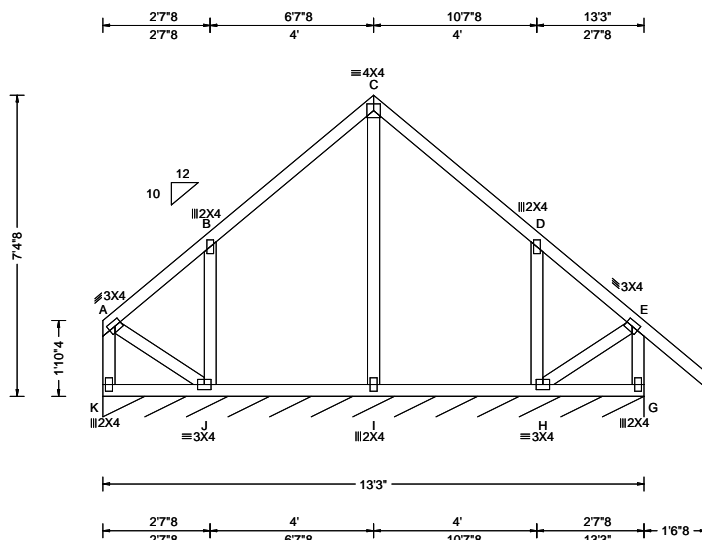
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Orlando FL, 32821

SEQN: 365106 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: V11	Cust: R 215 JRef: 1WY72150004 T50 DrwNo: 244.20.0852.28813 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.15 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 C 999 360 VERT(CL): 0.002 C 999 240 HORZ(LL): -0.002 B - - HORZ(TL): 0.003 B - - Creep Factor: 2.0 Max TC CSI: 0.234 Max BC CSI: 0.124 Max Web CSI: 0.164  VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL G* 94 /- /- /56 /14 /16 Wind reactions based on MWFRS G Brg Width = 158 Min Req = - Bearing K is a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

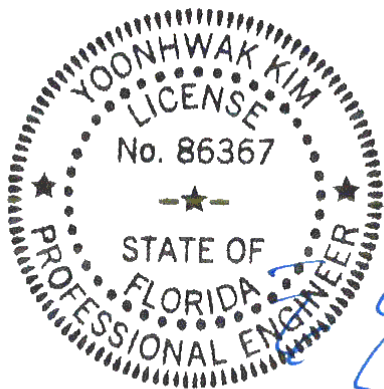
#### Wind

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

#### Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 7'-4"-8".



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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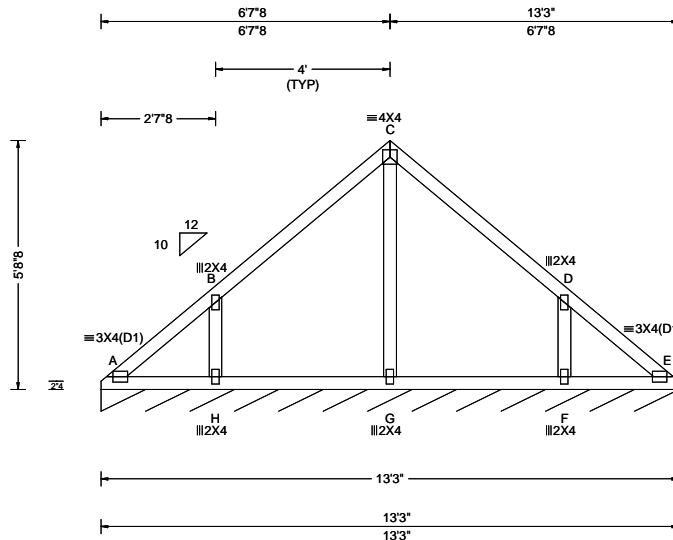
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6750 Forum Drive  
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SEQN: 363614 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: V12	Cust: R 215 JRef: 1WY72150004 T51 DrwNo: 244.20.0852.29953 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.85 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 C 999 360 VERT(CL): 0.002 C 999 240 HORZ(LL): -0.001 B - - HORZ(TL): 0.002 B - - Creep Factor: 2.0 Max TC CSI: 0.252 Max BC CSI: 0.149 Max Web CSI: 0.094  VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 86 /- /- /48 /12 /12 Wind reactions based on MWFRS E Brg Width = 158 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

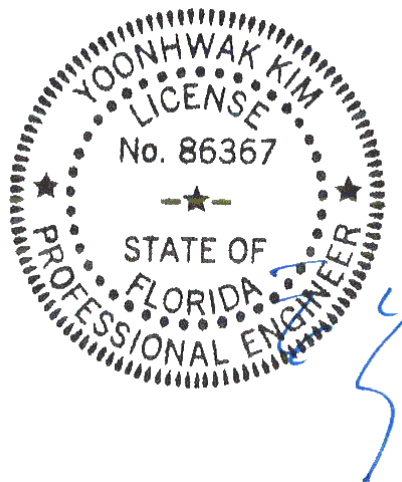
#### Wind

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

#### Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 5'-8-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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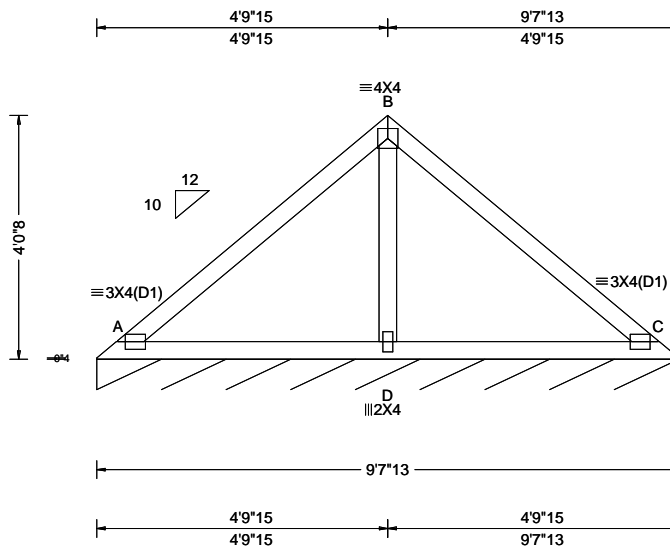
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SEQN: 363602 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: V13	Cust: R 215 JRRef: 1WY72150004 T52 DrwNo: 244.20.0852.30860 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.69 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.010 D 999 360 VERT(CL): 0.021 D 999 240 HORZ(LL): -0.006 D - - HORZ(TL): 0.013 D - - Creep Factor: 2.0 Max TC CSI: 0.343 Max BC CSI: 0.282 Max Web CSI: 0.154  VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 86 /- /- /47 /11 /12 Wind reactions based on MWFRS C Brg Width = 115 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375# <b>Maximum Web Forces Per Ply (lbs)</b> Webs Tens.Comp. B - D 228 -515

#### Lumber

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

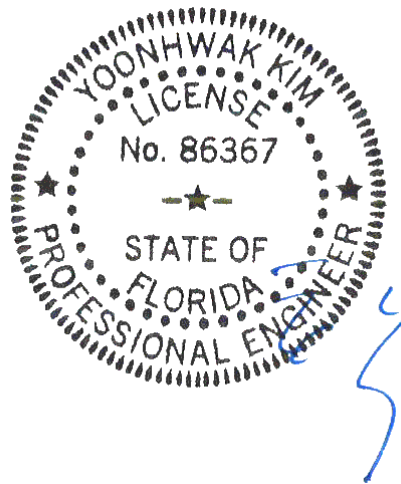
#### Wind

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

#### Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 4'-0-8".



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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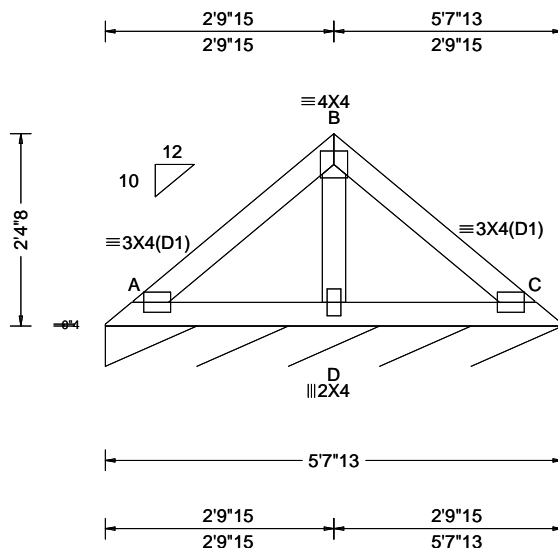
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Orlando FL, 32821

SEQN: 363582 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: V14	Cust: R 215 JRef: 1WY72150004 T53 DrwNo: 244.20.0852.31803 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 18.52 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.002 D 999 360 VERT(CL): 0.004 D 999 240 HORZ(LL): -0.001 D - - HORZ(TL): 0.003 D - - Creep Factor: 2.0 Max TC CSI: 0.105 Max BC CSI: 0.081 Max Web CSI: 0.044  VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 85 /- /- /46 /9 /11 Wind reactions based on MWFRS C Brg Width = 67.8 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

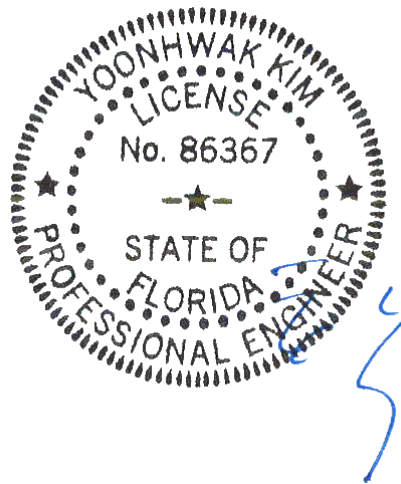
#### Wind

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

#### Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 2'-4-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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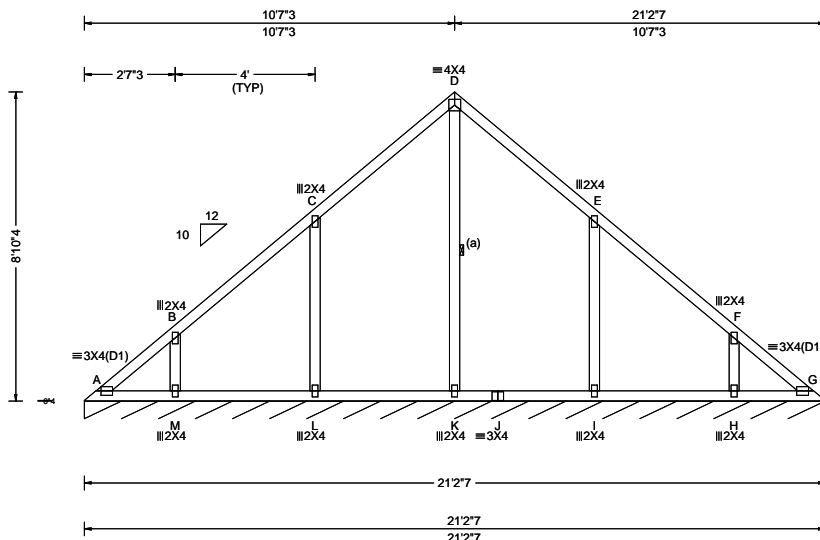
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SEQN: 365087 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: V2	Cust: R 215 JRef: 1WY72150004 T4 DrwNo: 244.20.0852.32773 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 21.55 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 D 999 360 VERT(CL): 0.003 E 999 240 HORZ(LL): -0.004 C - - HORZ(TL): 0.005 C - - Creep Factor: 2.0 Max TC CSI: 0.226 Max BC CSI: 0.150 Max Web CSI: 0.167  VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL G* 86 /- /- /48 /20 /12 Wind reactions based on MWFRS G Brg Width = 254 Min Req = - Bearing A 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;

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

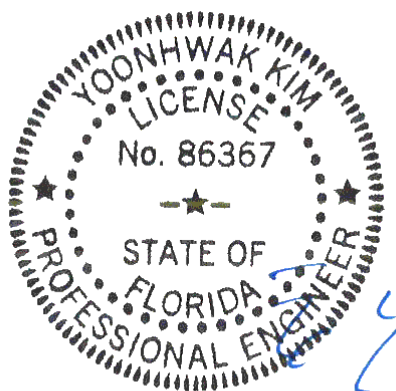
#### Wind

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

#### Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 8'-10-4".



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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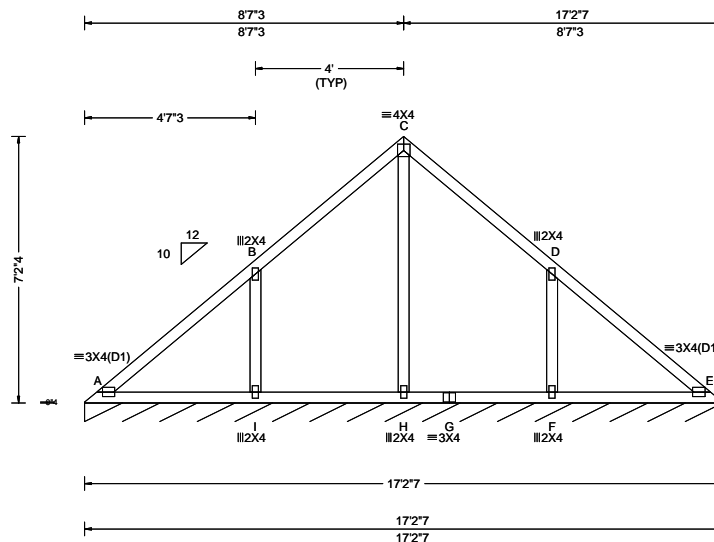
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Orlando FL, 32821

SEQN: 365090 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: V3	Cust: R 215 JRRef: 1WY72150004 T5 DrwNo: 244.20.0852.33700 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 22.39 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 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.007 F 999 360 VERT(CL): 0.014 F 999 240 HORZ(LL): -0.003 I - - HORZ(TL): 0.006 I - - Creep Factor: 2.0 Max TC CSI: 0.317 Max BC CSI: 0.185 Max Web CSI: 0.247  VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 86 /- /- /47 /21 /12 Wind reactions based on MWFRS E Brg Width = 206 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

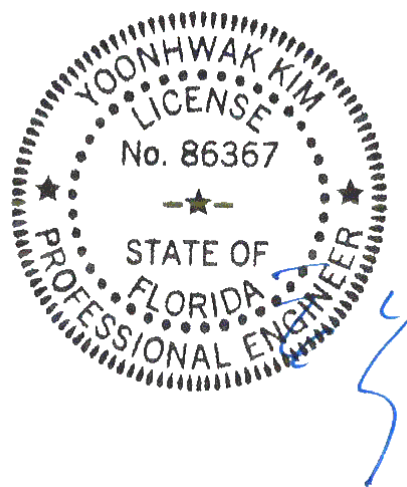
#### Wind

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

#### Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 7'-2.4".



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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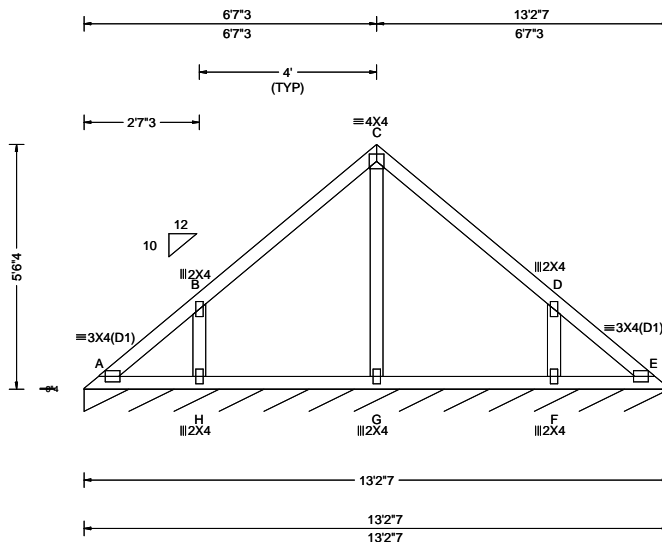
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**ALPINE**  
AN ITW COMPANY  
6750 Forum Drive  
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Orlando FL, 32821

SEQN: 363621 FROM: CDM	VAL	Ply: 1 Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: V4	Cust: R 215 JRef: 1WY72150004 T6 DrwNo: 244.20.0852.34433 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 23.22 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 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 C 999 360 VERT(CL): 0.002 C 999 240 HORZ(LL): -0.002 B - - HORZ(TL): 0.002 B - - Creep Factor: 2.0 Max TC CSI: 0.220 Max BC CSI: 0.148 Max Web CSI: 0.093  VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 86 /- /- /47 /21 /12 Wind reactions based on MWFRS E Brg Width = 158 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

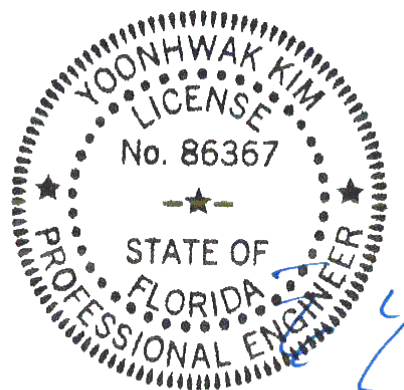
#### Wind

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

#### Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 5'-6".



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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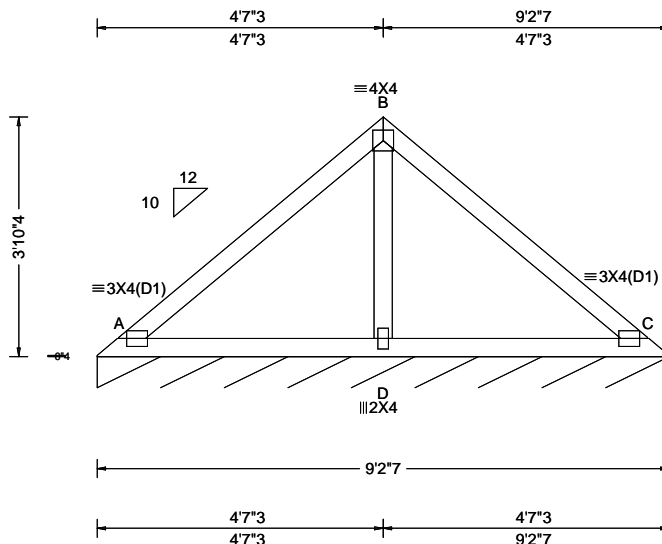
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**ALPINE**  
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6750 Forum Drive  
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Orlando FL, 32821

SEQN: 363608 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: V5	Cust: R 215 JRef: 1WY72150004 T7 DrwNo: 244.20.0852.35180 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 24.05 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.008 D 999 360 VERT(CL): 0.018 D 999 240 HORZ(LL): -0.005 D - - HORZ(TL): 0.011 D - - Creep Factor: 2.0 Max TC CSI: 0.309 Max BC CSI: 0.253 Max Web CSI: 0.133  VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 86 /- /- /47 /10 /12 Wind reactions based on MWFRS C Brg Width = 110 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375# <b>Maximum Web Forces Per Ply (lbs)</b> Webs Tens.Comp. B - D 235 -477

#### Lumber

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

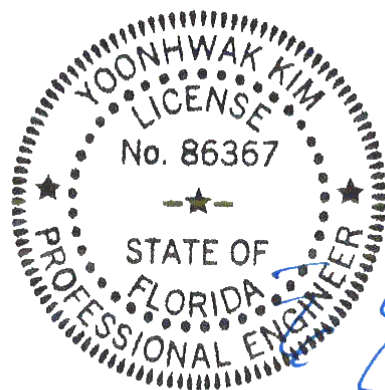
#### Wind

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

#### Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 3-10-4.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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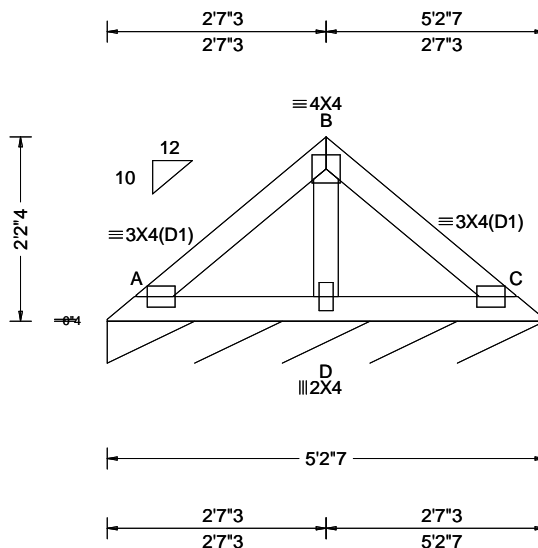
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SEQN: 363595 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: V6	Cust: R 215 JRef: 1WY72150004 T8 DrwNo: 244.20.0852.35940 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 24.89 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.002 D 999 360 VERT(CL): 0.003 D 999 240 HORZ(LL): -0.001 D - - HORZ(TL): 0.002 D - - Creep Factor: 2.0 Max TC CSI: 0.086 Max BC CSI: 0.066 Max Web CSI: 0.038  VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 85 /- /- /45 /9 /11 Wind reactions based on MWFRS C Brg Width = 62.4 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

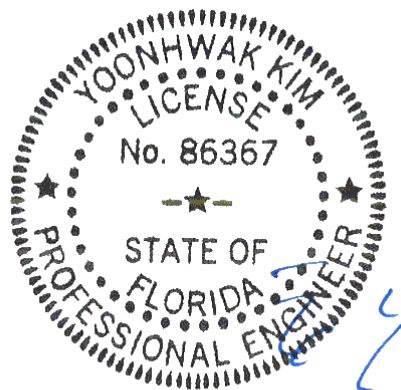
#### Wind

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

#### Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 2-2-4.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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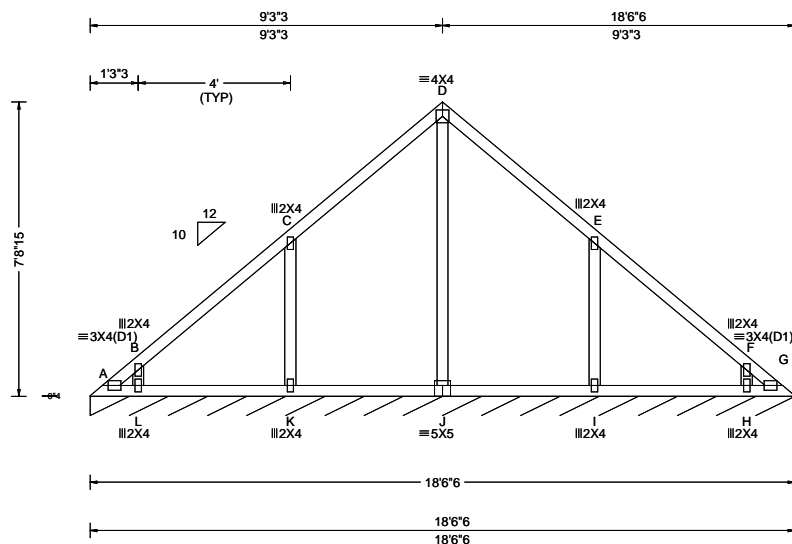
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**ALPINE**  
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Suite 305  
Orlando FL, 32821

SEQN: 365098 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: V7	Cust: R 215 JRef: 1WY72150004 T33 DrwNo: 244.20.0852.36870 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.21 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 E 999 360 VERT(CL): 0.002 E 999 240 HORZ(LL): 0.002 E - - HORZ(TL): 0.003 E - - Creep Factor: 2.0 Max TC CSI: 0.227 Max BC CSI: 0.115 Max Web CSI: 0.169  VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A* 86 /- /- /48 /0 /12 Wind reactions based on MWFRS A Brg Width = 222 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

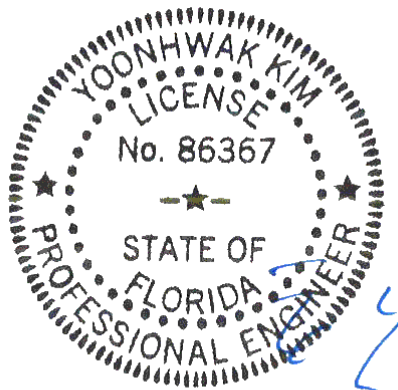
#### Wind

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

#### Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 7-8-15.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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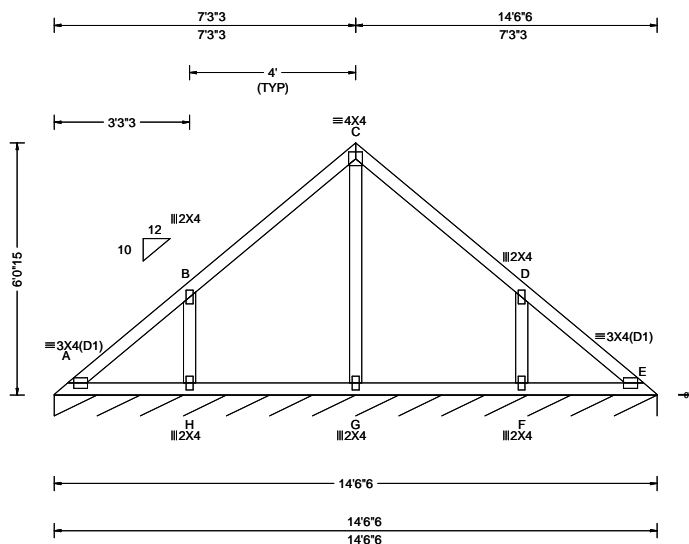
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SEQN: 365101 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: V8	Cust: R 215 JRef: 1WY72150004 T48 DrwNo: 244.20.0852.37633 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.04 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.002 H 999 360 VERT(CL): 0.005 H 999 240 HORZ(LL): -0.002 B - - HORZ(TL): 0.003 B - - Creep Factor: 2.0 Max TC CSI: 0.274 Max BC CSI: 0.119 Max Web CSI: 0.138  VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 86 /- /- /48 /1 /12 Wind reactions based on MWFRS E Brg Width = 174 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

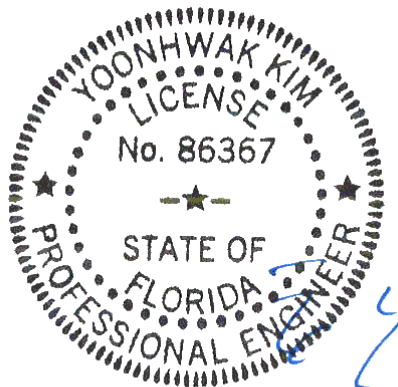
#### Wind

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

#### Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 6'-0"-15".



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08/31/2020

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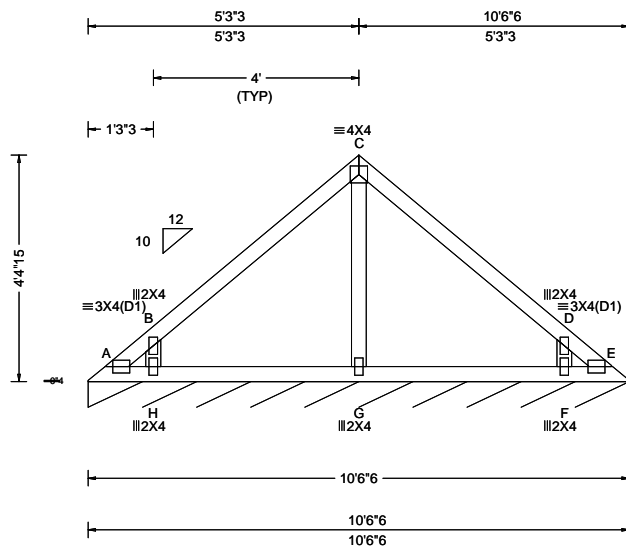
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SEQN: 365094 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4523 Womble Residence Truss Label: V9	Cust: R 215 JRef: 1WY72150004 T34 DrwNo: 244.20.0852.40293 / YK 08/31/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.87 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 C 999 360 VERT(CL): 0.001 C 999 240 HORZ(LL): -0.001 B - - HORZ(TL): 0.001 H - - Creep Factor: 2.0 Max TC CSI: 0.221 Max BC CSI: 0.120 Max Web CSI: 0.073  VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 86 /- /- /47 /1 /12 Wind reactions based on MWFRS E Brg Width = 126 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

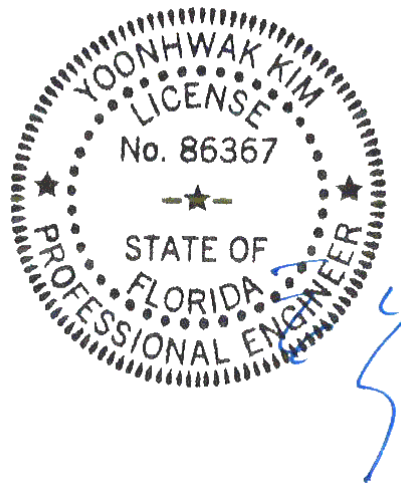
#### Wind

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

#### Additional Notes

See DWG VAL160101014 for valley details.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/31/2020

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# CLR Reinforcing Member Substitution

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

## Notes:

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

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

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

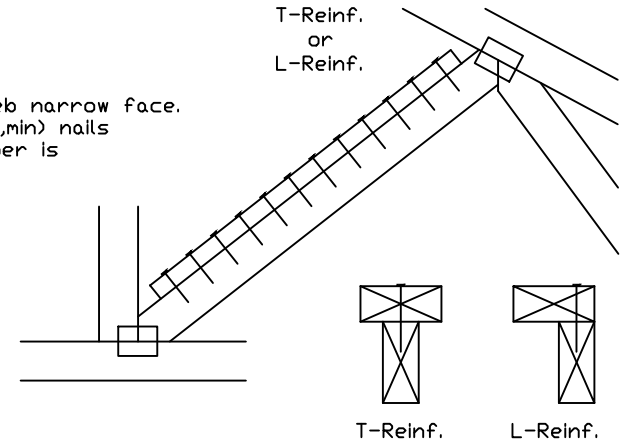
Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf.	Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(X)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(X)

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

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

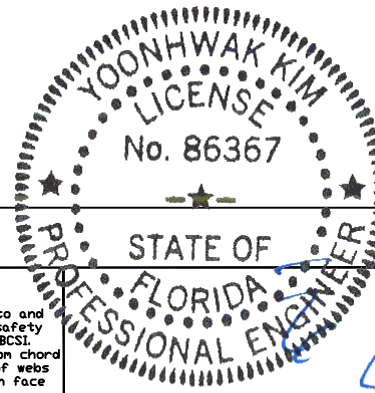
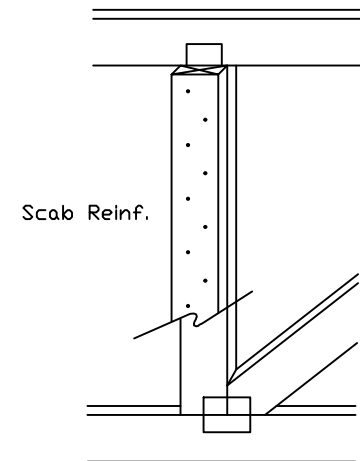
## T-Reinforcement or L-Reinforcement:

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



## Scab Reinforcement:

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



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

278, Yoonhwak Kim, FL PE #86367

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

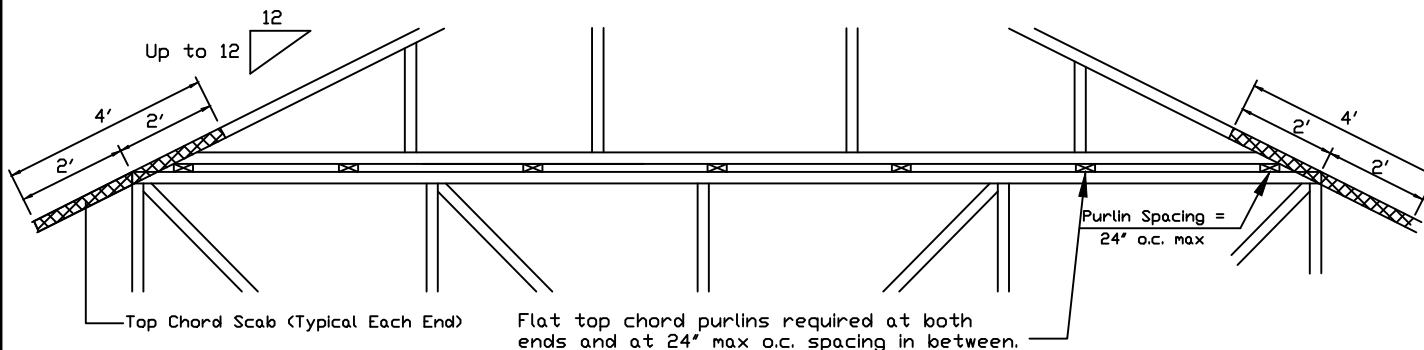
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0.  
Or 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

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

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

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

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

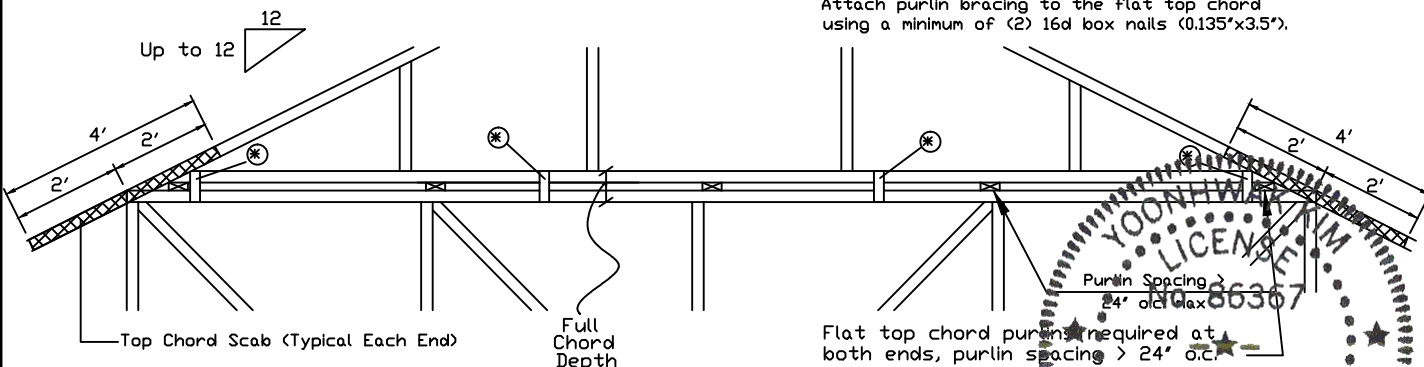


Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

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

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

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



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

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

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

**Trulox**  
Use 3X8 Trulox plates for 2x4 chord member, and 3X10 Trulox plates for 2x6 and larger chord members. Attach to each face @ 8' o.c. with (4) 0.120"x1.375" nails into cap bottom chord and (4) in base truss top chord. Trulox plates may be staggered 4' o.c. front to back faces.

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

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

**28PB Wave Piggyback Plate**  
One 28PB wave piggyback plate to each face @ 8' o.c. Attach teeth to piggyback at time of fabrication. Attach to supporting truss with (4) 0.120"x1.375" nails per face per ply. Piggyback plates may be staggered 4' o.c. front to back faces.

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

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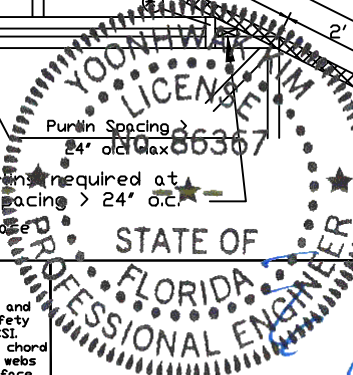
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Yoonhwak Kim, FL PE #86367

REF PIGGYBACK

DATE 10/01/14

DRWG PB160101014

SPACING

24.0"



# Gable Stud Reinforcement Detail

ASCE 7-10: 140 mph Wind Speed, 30' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Or: 120 mph Wind Speed, 30' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00

Or: 120 mph Wind Speed, 30' Mean Height, Enclosed, Exposure D, Kzt = 1.00

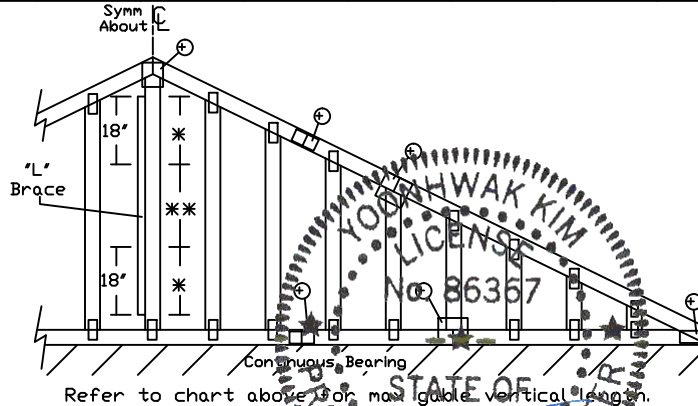
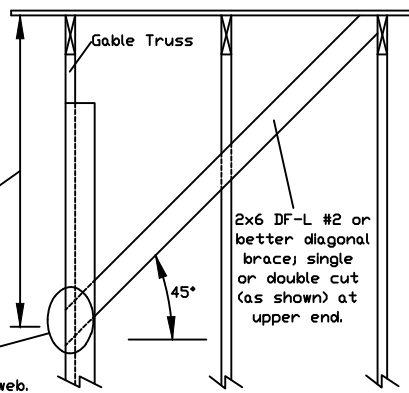
Or: 100 mph wind speed, 30' Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00

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

Diagonal brace option: vertical length may be doubled when diagonal brace is used. Connect diagonal brace for 525# at each end. Max web total length is 14'.

Vertical length shown in table above.

Connect diagonal at midpoint of vertical web.



## Bracing Group Species and Grades:

Group A:			
Spruce-Pine-Fir		Hem-Fir	
#1 / #2	Standard	#2	Stud
#3	Stud	#3	Standard
Douglas Fir-Larch		Southern Pine***	
#3		#3	
Stud		Stud	
Standard		Standard	

Group B:			
Hem-Fir			
#1 & Btr			
#1			
Douglas Fir-Larch		Southern Pine***	
#1		#1	
#2		#2	

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

\*\*\*For 1x4 So. Pine use only Industrial 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 100 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"	2X4
Greater than 4' 0", but less than 11' 6"	3X4
Greater than 11' 6"	4X4
+ Refer to common truss design for peak, splice, and heel plates.	

Refer to the Building Designer for conditions not addressed by this detail.



514 Earth City Expressway  
Suite 242  
Earth City, MO 63045

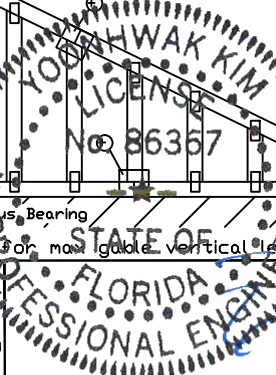
**WARNING: READ AND FOLLOW ALL NOTES ON THIS DRAWING. FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.**

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MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

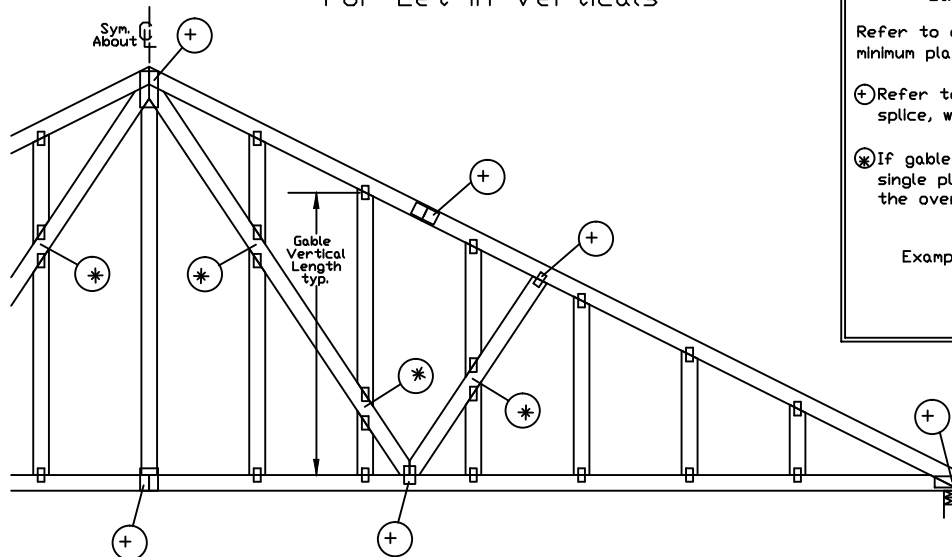
REF ASCE7-10-GAB14030

DATE 10/01/14

DRWG A14030ENC101014

PE-REB-278, Yoonhwak Kim, FL PE #86367

# Gable Detail For Let-in Verticals



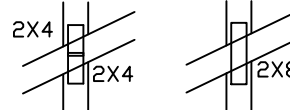
## Gable Truss Plate Sizes

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

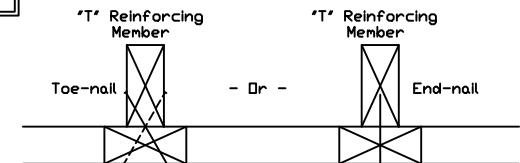
① Refer to Engineered truss design for peak, splice, web, and heel plates.

⊗ 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



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

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

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

## Web Length Increase w/ 'T' Brace

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

Example:

ASCE 7-10 Wind Speed = 120 mph

Mean Roof Height = 30 ft, Kzt = 1.00

Gable Vertical = 24' o.c. SP #3

'T' Reinforcing Member Size = 2x4

'T' Brace Increase (From Above) = 30% = 1.30

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

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

Provide connections for uplift specified on the engineered truss design.

Attach each 'T' reinforcing member with

End Driven Nails:

10d Common (0.148"x 3", min) Nails at 4' o.c. plus  
(4) nails in the top and bottom chords.

Toenailed Nails:

10d Common (0.148"x 3", min) Toenails at 4' o.c. plus  
(4) toenails in the top and bottom chords.

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

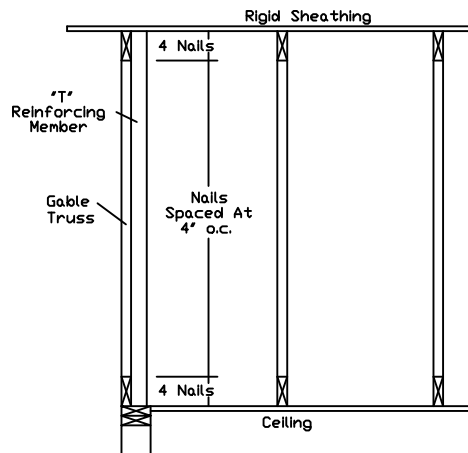
ASCE 7-05 Gable Detail Drawings

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

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

A11515ENC100118, A12015ENC100118, A14015ENC100118, A10015ENC100118,  
A18015ENC100118, A20015ENC100118, A20015END100118, A20015P100118,  
A11530ENC100118, A12030ENC100118, A14030ENC100118, A10030ENC100118,  
A18030ENC100118, A20030ENC100118, A20030END100118, A20030P100118,  
S11515ENC100118, S12015ENC100118, S14015ENC100118, S16015ENC100118,  
S18015ENC100118, S20015ENC100118, S20015END100118, S20015P100118,  
S11530ENC100118, S12030ENC100118, S14030ENC100118, S16030ENC100118,  
S18030ENC100118, S20030ENC100118, S20030END100118, S20030P100118

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



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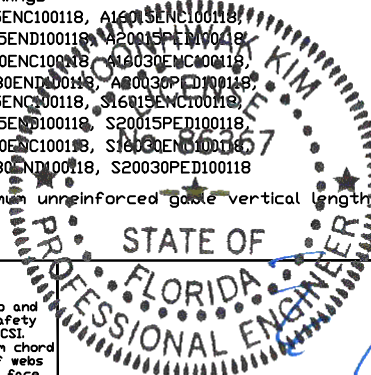
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**ALPINE**  
AN ITW COMPANY

514 Earth City Expressway  
Suite 242  
Earth City, MO 63045



REF LET-IN VERT

DATE 01/02/2018

DRWG GBLLETIN0118

MAX. TOT. LD. 60 PSF

DUR. FAC. ANY

MAX. SPACING 24.0"

PE 86367, 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		Brace Grade	No Braces	(1) 1x4 'L' Brace *		(1) 2x4 'L' Brace *		(2) 2x4 'L' Brace **		(1) 2x6 'L' Brace *		(2) 2x6 'L' Brace **	
	Spacing	Species			Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B
24" O.C.		SPF	#1 / #2	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"
		SP	Standard	4' 1"	5' 8"	6' 0"	7' 7"	8' 1"	10' 1"	10' 6"	11' 10"	12' 8"	14' 0"	14' 0"
			#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"
		DFL	#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"	10' 2"	11' 0"	11' 10"	14' 0"	14' 0"	14' 0"
		SPF	#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"
16" O.C.		SPF	Standard	4' 8"	6' 11"	7' 5"	9' 3"	9' 11"	11' 7"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
			#1	5' 1"	8' 5"	8' 9"	9' 11"	10' 4"	11' 10"	12' 4"	14' 0"	14' 0"	14' 0"	14' 0"
			#2	4' 11"	8' 4"	8' 8"	9' 10"	10' 3"	11' 8"	12' 2"	14' 0"	14' 0"	14' 0"	14' 0"
		SP	#3	4' 9"	7' 4"	7' 9"	9' 9"	10' 3"	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"
		SPF	#1 / #2	5' 5"	9' 2"	9' 6"	10' 10"	11' 3"	11' 8"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"
			#3	5' 1"	9' 0"	9' 4"	10' 8"	11' 1"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"
			Stud	5' 1"	9' 0"	9' 4"	10' 8"	11' 1"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"
		SP	Standard	5' 1"	8' 0"	8' 6"	10' 8"	11' 1"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"
			#1	5' 8"	9' 3"	9' 8"	10' 11"	11' 4"	13' 0"	13' 6"	14' 0"	14' 0"	14' 0"	14' 0"
			#2	5' 5"	9' 2"	9' 6"	10' 10"	11' 3"	12' 11"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"
12" O.C.		SPF	#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"
		SP	#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"
			Stud	5' 3"	8' 5"	9' 0"	10' 9"	11' 2"	12' 10"	13' 4"	14' 0"	14' 0"	14' 0"	14' 0"

## Bracing Group Species and Grades:

Group A:			
Spruce-Pine-Fir		Hem-Fir	
#1 / #2	Standard	#2	Stud
#3	Stud	#3	Standard
Douglas Fir-Larch		Southern Pine***	
#3		#3	
Stud		Stud	
Standard		Standard	

Group B:			
Hem-Fir			
#1 & Btr			
#1			
Douglas Fir-Larch		Southern Pine***	
#1		#1	
#2		#2	

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

\*\*\*For 1x4 So. Pine use only Industrial 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

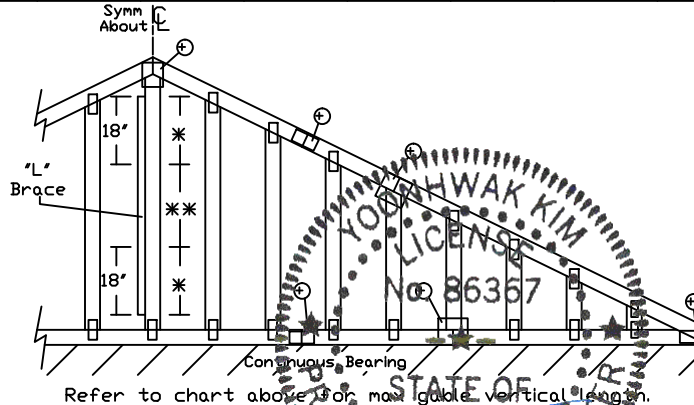
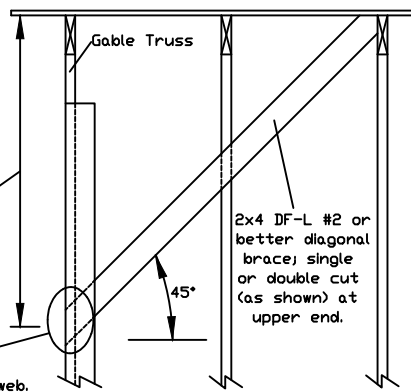
+ Refer to common truss design for peak, splice, and heel plates.

Refer to the Building Designer for conditions not addressed by this detail.

Diagonal brace option: vertical length may be doubled when diagonal brace is used. Connect diagonal brace for 450# at each end. Max web total length is 14'.

Vertical length shown in table above.

Connect diagonal at midpoint of vertical web.



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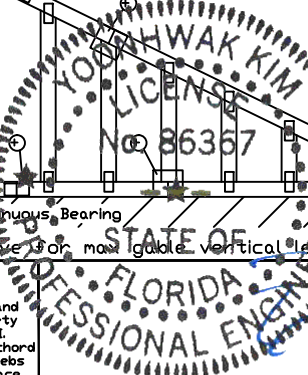
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514 Earth City Expressway  
Suite 242  
Earth City, MO 63045



MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF ASCE7-10-GAB14015

DATE 10/01/14

DRWG A14015ENC101014

# Valley Detail - ASCE 7-10: 160 mph, 30' Mean Height, Enclosed, Exp. C, Kzt=1.00

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

\*\* Attach each valley to every supporting truss with:  
 (2) 16d box (0.135" x 3.5") nails toe-nailed for  
 ASCE 7-10 160 mph. 30' Mean Height, Enclosed  
 Building, Exp. C, Wind TC DL=5 psf, Kzt = 1.00  
 Or  
 ASCE 7-10 140 mph. 30' Mean Height, Enclosed  
 Building, Exp. D, Wind TC DL=5 psf, Kzt = 1.00

Bottom chord may be square or pitched cut  
 as shown.

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

All plates shown are ITW BCG Wave Plates.

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

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

Or

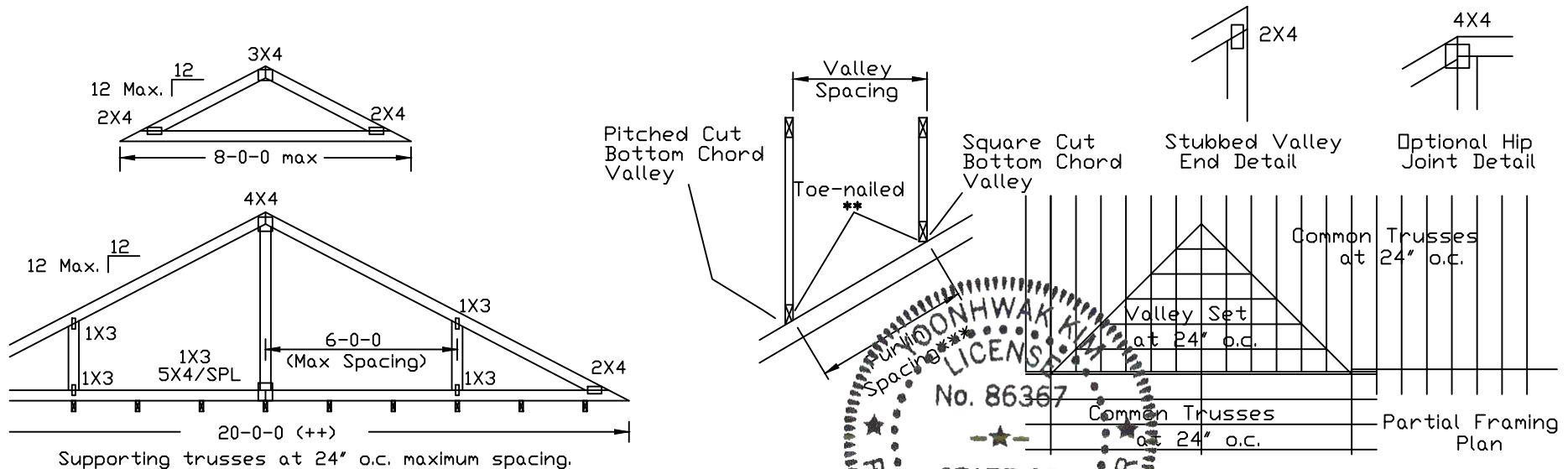
Purlins at 24" o.c. or as otherwise specified on engineer's sealed design

Or

By valley trusses used in lieu of purlin spacing as specified on  
 Engineer's sealed design.

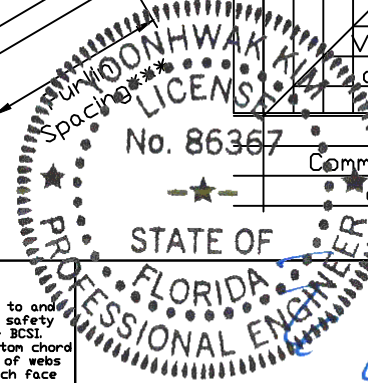
\*\*\* Note that the purlin spacing for bracing the top chord of the truss  
 beneath the valley is measured along the slope of the top chord.

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



514 Earth City Expressway  
 Suite 242  
 Earth City, MO 63045

**WARNING: READ AND FOLLOW ALL NOTES ON THIS DRAWING**  
**IMPORTANT: FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.**  
 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections 83, 87 or 810, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.  
 Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.  
 A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.  
 For more information see this job's general notes page and these web sites:  
 ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.org; ICC: www.iccsafe.org



TC LL	30	30	40PSF	REF	VALLEY DETAIL
TC DL	20	15	7 PSF	DATE	10/01/2014
BC DL	10	10	10 PSF	DRWG	VAL160101014
BC LL	0	0	0 PSF		
TOT. LD.	60	55	57PSF		
DUR.FAC.	1.25/1.33	1.15	1.15		
SPACING			24.0"		