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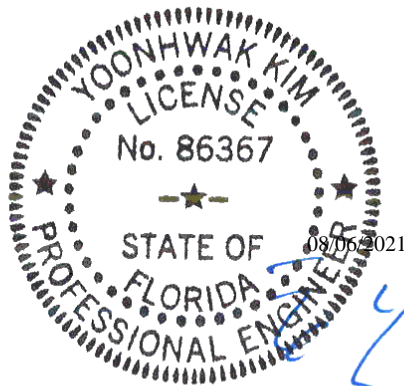
Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 21-5836
Job Description: Snipes Res	
Address: FL	

Job Engineering Criteria:	
Design Code: FBC 7th Ed. 2020 Res	IntelliVIEW Version: 21.01.01A JRef #: 1X7P2150012
Wind Standard: ASCE 7-16      Wind Speed (mph): 120 Building Type: Closed	Design Loading (psf): 40.00

This package contains general notes pages, 53 truss drawing(s) and 7 detail(s).

Item	Drawing Number	Truss
1	218.21.1038.57860	A01
3	218.21.1039.04480	A02G
5	218.21.1040.22527	A05
7	218.21.1040.28663	B02
9	218.21.1040.47720	C01
11	218.21.1040.52037	C03
13	218.21.1040.58177	C05
15	218.21.1041.04167	C07
17	218.21.1041.08500	C09
19	218.21.1041.13780	C11
21	218.21.1041.19530	C13
23	218.21.1041.27670	HJ01
25	218.21.1041.44680	J02
27	218.21.1041.49113	J04
29	218.21.1041.52157	J06
31	218.21.1041.58577	J08
33	218.21.1042.01897	J10
35	218.21.1042.05103	J12
37	218.21.1042.07850	J14
39	218.21.1042.11210	J16
41	218.21.1042.14860	J18
43	218.21.1042.19550	J20
45	218.21.1042.29627	K02
47	218.21.1042.34443	PB02
49	218.21.1042.38597	PB04
51	218.21.1042.43060	PB06

Item	Drawing Number	Truss
2	218.21.1039.00650	A02
4	218.21.1040.01620	A03
6	218.21.1040.25747	B01
8	218.21.1040.40083	B03
10	218.21.1040.50137	C02
12	218.21.1040.54790	C04
14	218.21.1041.01920	C06
16	218.21.1041.06680	C08
18	218.21.1041.11523	C10
20	218.21.1041.16980	C12
22	218.21.1041.26653	C14
24	218.21.1041.31960	HJ02
26	218.21.1041.47620	J03
28	218.21.1041.50617	J05
30	218.21.1041.53833	J07
32	218.21.1042.00147	J09
34	218.21.1042.03453	J11
36	218.21.1042.06430	J13
38	218.21.1042.09877	J15
40	218.21.1042.13387	J17
42	218.21.1042.16873	J19
44	218.21.1042.26423	K01
46	218.21.1042.30713	PB01
48	218.21.1042.36210	PB03
50	218.21.1042.40777	PB05
52	218.21.1042.45227	PB07



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Site Information:	Page 2:
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Job Description: Snipes Res	
Address: FL	

Item	Drawing Number	Truss
53	218.21.1042.50097	PB08
55	BRCLBSUB0119	
57	GBLLETIN0118	
59	PB160160118	

Item	Drawing Number	Truss
54	A12015ENC160118	
56	GABRST160118	
58	CNNAILSP1014	
60	A12030ENC160118	

## **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.

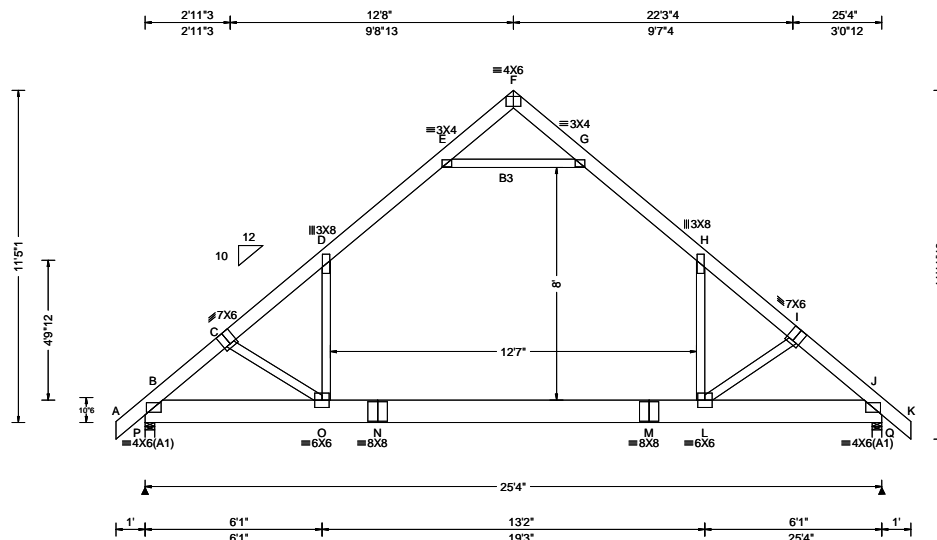
**References:**

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: 630074	GABL	Ply: 1	<b>Job Number:</b> 21-5836	Cust: R 215 JRef:1X7P2150012 T5
FROM: CDM		Qty: 1	Snipes Res	DrwNo: 218.21.1038.57860
			<b>Truss Label:</b> A01	/ YK 08/06/2021

## Lumber

SEQN: 629991 FROM: CDM	COMN Ply: 1 Qty: 8	Job Number: 21-5836 Snipes Res Truss Label: A02	Cust: R 215 JRRef: 1X7P2150012 T8 DrwNo: 218.21.1039.00650 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B 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 7th Ed. 2020 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): 0.301 O 999 240 VERT(CL): 0.598 O 502 180 HORZ(LL): -0.244 H - - HORZ(TL): 0.489 H - - Creep Factor: 2.0 Max TC CSI: 0.792 Max BC CSI: 0.520 Max Web CSI: 0.599 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL P 2065 - / - / /666 - / /208 Q 2065 - / - / /666 - / - Wind reactions based on MWFRS P Brg Width = 4.0 Min Req = 1.7 Q Brg Width = 4.0 Min Req = 1.7 Bearings P & Q 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 57 -2816 F - G 742 -20 C - D 65 -2558 G - H 141 -1600 D - E 141 -1602 H - I 67 -2572 E - F 741 -20 I - J 57 -2810

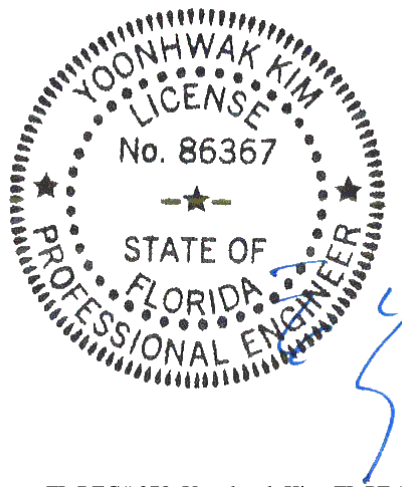
**Lumber**  
Top chord: 2x6 SP 2400f-2.0E;  
Bot chord: 2x10 SP 2400f-2.0E; B3 2x4 SP #2;  
Webs: 2x4 SP #3;

**Loading**  
Attic room loading from 6-4-8 to 18-11-8: 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.  
Wind loading based on both gable and hip roof types.

**Additional Notes**  
The overall height of this truss excluding overhang is  
11-5-1.

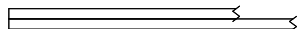


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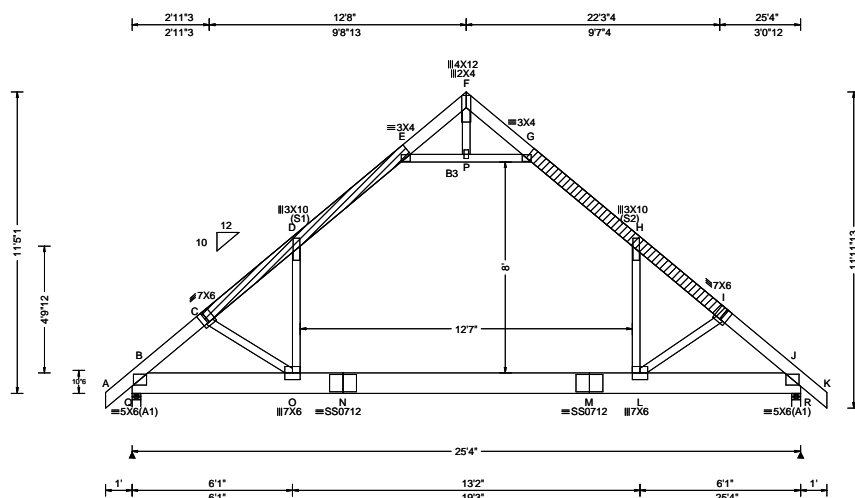
**\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!**  
**\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**  
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component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

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Orlando FL, 32821

SEQN: 387778 FROM: CDM	COMN Ply: 2 Qty: 2	Job Number: 21-5836 Snipes Res Truss Label: A02G	Cust: R 215 JRef: 1X7P2150012 T23 DrwNo: 218.21.1039.04480 / YK 08/06/2021
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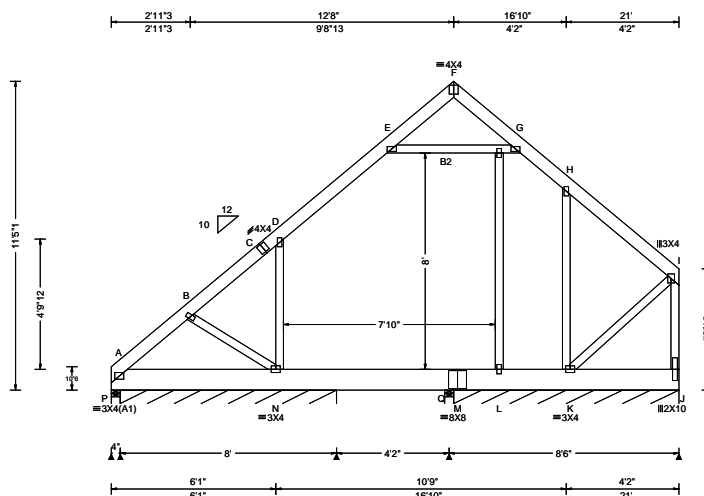
2 Complete Trusses Required





SEQN: 387790 FROM: CDM	COMN Ply: 2 Qty: 1	Job Number: 21-5836 Snipes Res Truss Label: A03	Cust: R 215 JRef: 1X7P2150012 T54 DrwNo: 218.21.1040.01620 / YK 08/06/2021
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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), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.24 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 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 7th Ed. 2020 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): 0.026 M 999 240 VERT(CL): 0.055 M 905 180 HORZ(LL): 0.017 M - - HORZ(TL): 0.037 L - - Creep Factor: 2.0 Max TC CSI: 0.157 Max BC CSI: 0.077 Max Web CSI: 0.258 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL P 1701 -/- /- /91 -/ P* 335 -/- /- /12 -/- Q 509 -/- /- /106 -/- J* 416 -/- /- /1 /2 -/ K -/-211 Wind reactions based on MWFRS P Brg Width = 4.0 Min Req = 1.5 P Brg Width = 96.0 Min Req = - Q Brg Width = 4.0 Min Req = 1.5 J Brg Width = 100.0 Min Req = - Bearings P, P, Q, & Q are a rigid surface. Members not listed have forces less than 375#

#### Lumber

Top chord: 2x6 SP 2400F-2.0E;  
Bot chord: 2x10 SP 2400F-2.0E; B2 2x4 SP #2;  
Webs: 2x4 SP #3;

#### Nailnote

Nail Schedule: 0.128"x3", min. nails  
Top Chord: 1 Row @ 8.50" o.c.  
Bot Chord: 1 Row @ 12.00" o.c.  
Webs: 1 Row @ 4" o.c.  
Use equal spacing between rows and stagger nails  
in each row to avoid splitting.

#### Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 103 plf at 0.00 to 103 plf at 21.00  
PLT: From 26 plf at 6.38 to 26 plf at 10.20  
PLT: From 20 plf at 10.20 to 20 plf at 14.21  
PLT: From 100 plf at 6.38 to 100 plf at 14.21  
PLB: From 40 plf at 14.50 to 40 plf at 16.69  
BC: From 20 plf at 0.00 to 20 plf at 21.00  
BC: From 51 plf at 0.00 to 51 plf at 21.00  
BC: 140 lb Conc. Load at 5.85  
BC: 96 lb Conc. Load at 6.38  
BC: 160 lb Conc. Load at 14.21  
BC: 438 lb Conc. Load at 16.73

#### Plating Notes

All plates are 2X4 except as noted.

#### Purlins

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

#### Wind

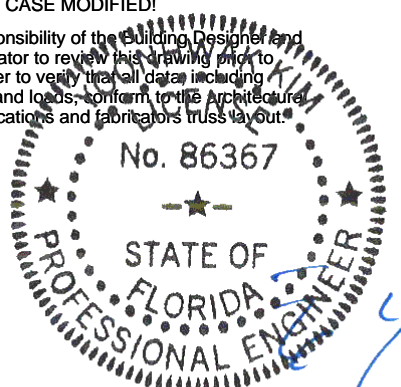
Wind loads and reactions based on MWFRS.  
Right end vertical not exposed to wind pressure.  
Wind loading based on both gable and hip roof types.

#### Additional Notes

The overall height of this truss excluding overhang is 11'-5".

WIND LOAD CASE MODIFIED!

It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data including dimensions and loads conform to the Architectural plans/specifications and fabricator's truss layout.



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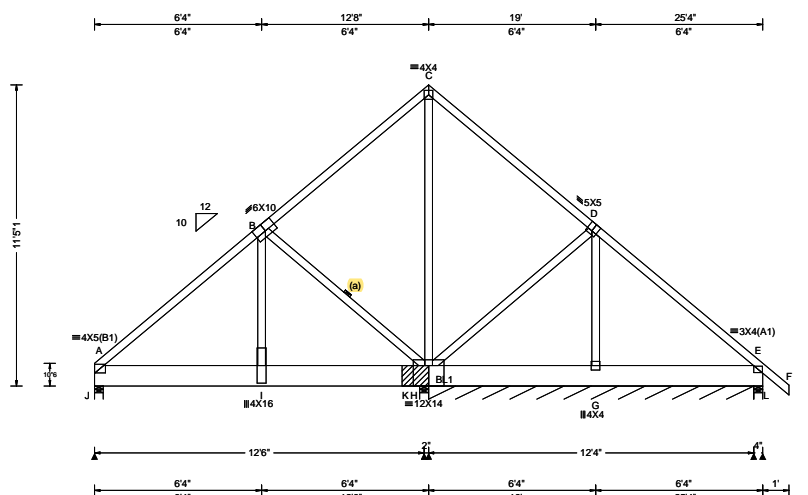
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Suite 305  
Orlando FL, 32821

## 2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B 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 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 7th Ed. 2020 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): 0.036 I 999 240 VERT(CL): 0.073 I 999 180 HORZ(LL): -0.009 C - - HORZ(TL): 0.019 C - - Creep Factor: 2.0 Max TC CSI: 0.988 Max BC CSI: 0.355 Max Web CSI: 0.906 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL J 5697 -/- /- /163 -/- /- K 11736 -/- /- /231 -/- /- K* 508 -/- /- /38 -/- /- L 85 -/-113 -/- /27 /26 -/- Wind reactions based on MWFRS J Brg Width = 4.0 Min Req = 2.4 K Brg Width = 4.0 Min Req = - K Brg Width = 148 Min Req = - L Brg Width = 4.0 Min Req = 1.5 Bearings J, K, K, & L are a rigid surface. Members not listed have forces less than 375#

Lumber	Wind	Maximum Top Chord Forces Per Ply (lbs)
Top chord: 2x4 SP #2; Bot chord: 2x10 SP 2400f-2.0E; Webs: 2x4 SP #3;	Wind loads and reactions based on MWFRS. Wind loading based on both gable and hip roof types.	Chords Tens.Comp. Chords Tens. Comp. A - B 0 - 1961 C - D 490 0 B - C 494 0

Bracing	Bearing Block(s)	Maximum Bot Chord Forces Per Ply (lbs)
(a) Continuous lateral restraint equally spaced on member.	Brg blocks: 0.128"x3", min. nails brg x-loc #blocks length/blk #nails/blk wall plate 2 12.333' 1 12" 4 Rigid Surface Brg block to be same size and species as chord. Refer to drawing CNNAILSP1014 for more information.	Chords Tens.Comp. Chords Tens. Comp. A - I 1463 0 I - H 1441 0

Nailnote	Additional Notes	Maximum Web Forces Per Ply (lbs)
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.	The overall height of this truss excluding overhang is 11'-5". WIND LOAD CASE MODIFIED!	Webs Tens.Comp. Webs Tens. Comp. I - B 2378 0 C - H 21 - 897 B - H 0 - 2278

Special Loads	Professional Engineer Seal
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 66 plf at 0.00 to 66 plf at 4.06 TC: From 169 plf at 4.06 to 169 plf at 21.06 TC: From 66 plf at 21.06 to 66 plf at 26.33 BC: From 51 plf at 0.00 to 51 plf at 25.33 BC: From 5 plf at 25.33 to 5 plf at 26.33 BC: 1379 lb Conc. Load at 0.06, 2.06, 4.06, 6.06 BC: 354 lb Conc. Load at 5.85 BC: 1595 lb Conc. Load at 8.06 BC: 1505 lb Conc. Load at 10.06 BC: 1633 lb Conc. Load at 12.06 BC: 1629 lb Conc. Load at 14.06 BC: 1582 lb Conc. Load at 16.06 BC: 1533 lb Conc. Load at 17.52 BC: 2872 lb Conc. Load at 18.27 BC: 586 lb Conc. Load at 21.06	FL REG# 278, Yoonhwak Kim, FL PE #86367 08/06/2021

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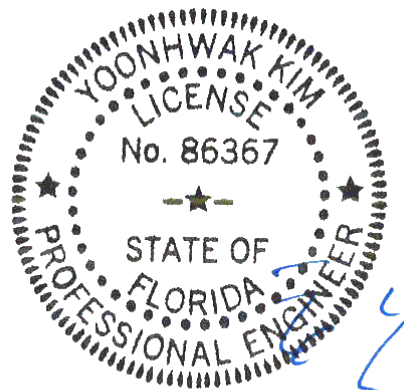
**ALPINE**  
 AN ITW COMPANY  
 6750 Forum Drive  
 Suite 305  
 Orlando FL, 32821

SEQN: 387792	COMN	Ply: 2	Job Number: 21-5836	Cust: R 215 JRef: 1X7P2150012 T56
FROM: CDM		Qty: 1	Snipes Res	DrwNo: 218.21.1040.22527
Page 2 of 2			Truss Label: A05	/ YK 08/06/2021

#### 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  $\geq$  3.50" if used)  
 Bearing 2 located at 12.3' (blocking  $\geq$  3.50" if used)

It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data, including dimensions and loads, conform to the architectural plans/specifications and fabricators truss layout.



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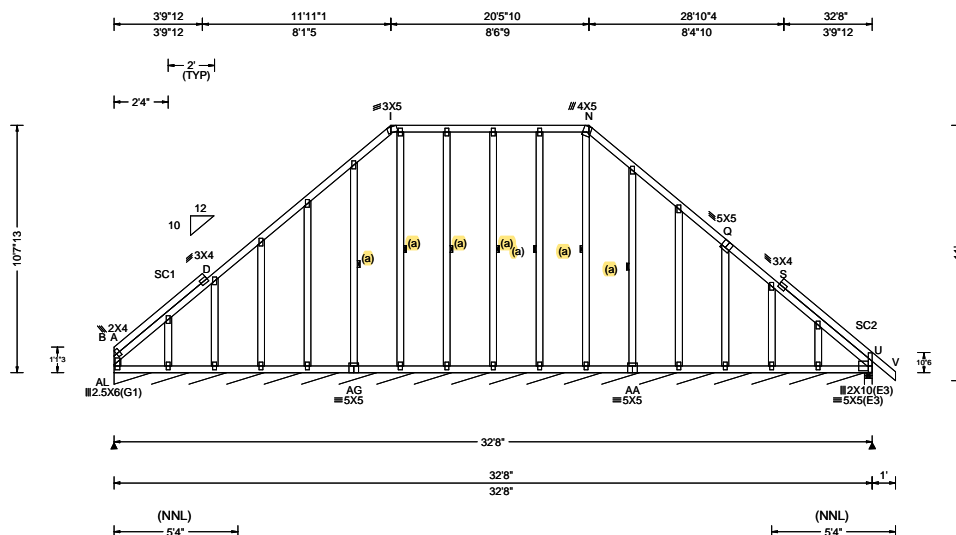
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 6750 Forum Drive  
 Suite 305  
 Orlando FL, 32821

SEQN: 629845 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 21-5836 Snipes Res Truss Label: B01	Cust: R 215 JRef: 1X7P2150012 T1 DrwNo: 218.21.1040.25747 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B 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: 3.27 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 I 999 240 VERT(CL): 0.003 I 999 180 HORZ(LL): 0.001 S - - HORZ(TL): 0.002 S - - Creep Factor: 2.0 Max TC CSI: 0.353 Max BC CSI: 0.041 Max Web CSI: 0.139  VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL AL* 81 - / - / 43 - / 2 U 257 - / - / 146 - / - Non-Gravity Wind reactions based on MWFRS AL Brg Width = 388 Min Req = - U Brg Width = 4.0 Min Req = 1.5 Bearings AL & U 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;  
Lt Stub Wedge: 2x4 SP #3;

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

#### Plating Notes

All plates are 2X4 except as noted.

#### Wind

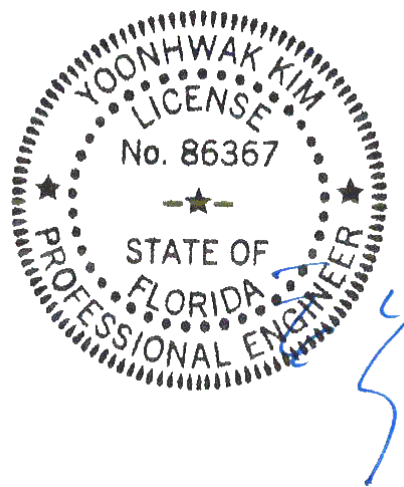
Wind loads based on MWFRS with additional C&C member design.  
Wind loading based on both gable and hip roof types.

#### Additional Notes

See DWGS A12015ENC160118, GBLLETIN0118, & GABRST160118 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 10-7-13.



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08/06/2021

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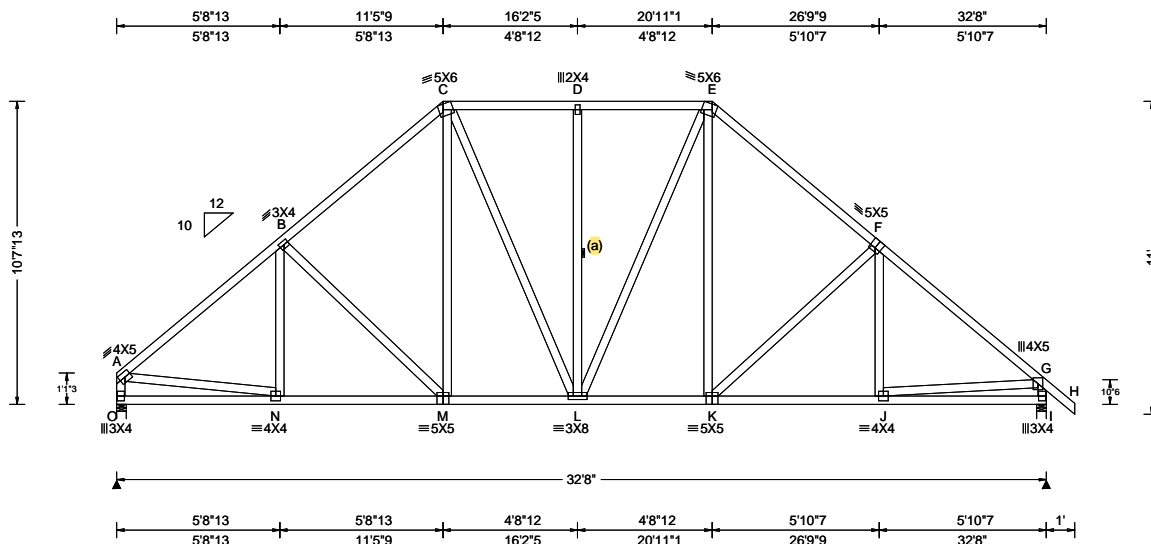
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**ALPINE**  
AN ITW COMPANY  
6750 Forum Drive  
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Orlando FL, 32821

SEQN: 629848 FROM: CDM	COMN Ply: 1 Qty: 4	Job Number: 21-5836 Snipes Res Truss Label: B02	Cust: R 215 JRRef: 1X7P2150012 T11 DrwNo: 218.21.1040.28663 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 16.41 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.27 ft Loc. from endwall: Any 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.062 D 999 240 VERT(CL): 0.123 D 999 180 HORZ(LL): 0.025 G - - HORZ(TL): 0.050 G - - Creep Factor: 2.0 Max TC CSI: 0.516 Max BC CSI: 0.467 Max Web CSI: 0.495  VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL O 1510 -/- /- /805 -/- /190 I 1581 -/- /- /856 -/- /- Wind reactions based on MWFRS O Brg Width = 4.0 Min Req = 1.8 I Brg Width = 4.0 Min Req = 1.9 Bearings O & I 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 0 - 1860 D - E 2 - 1259 B - C 0 - 1626 E - F 0 - 1642 C - D 2 - 1259 F - G 0 - 1933

#### Lumber

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

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

#### Loading

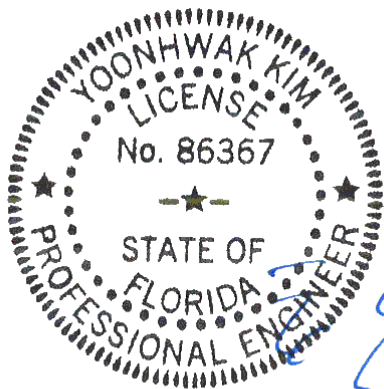
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

#### Wind

Wind loads based on MWFRS with additional C&C member design.  
End verticals not exposed to wind pressure.  
Wind loading based on both gable and hip roof types.

#### Additional Notes

Refer to DWG PB160160118 for piggyback details.  
The overall height of this truss excluding overhang is 10'-7-13.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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

Chords	Tens.Comp.	Chords	Tens. Comp.
N - M	1352 0	L - K	1158 0
M - L	1147 0	K - J	1400 0

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

Webs	Tens.Comp.	Webs	Tens. Comp.
A - O	0 - 1460	E - K	404 -33
A - N	1290 0	J - G	1299 0
C - M	377 -38	G - I	0 - 1530

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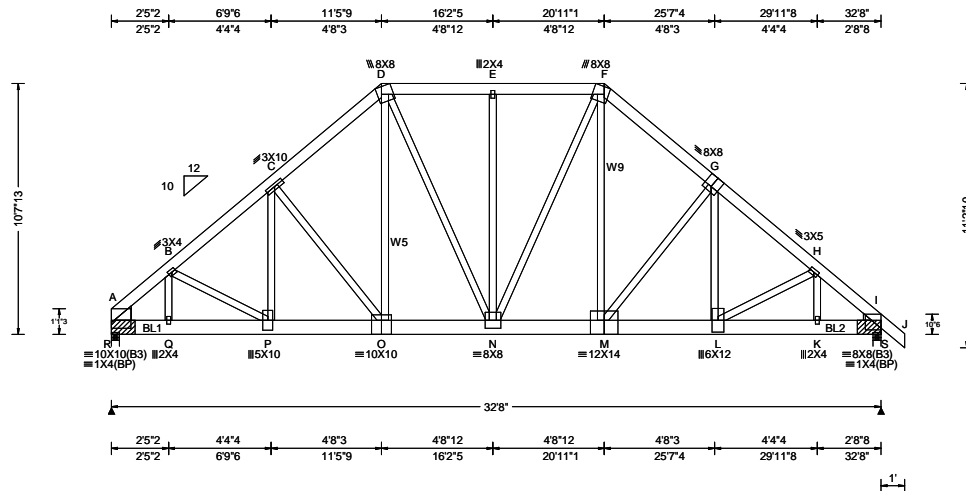
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Suite 305  
Orlando FL, 32821



## 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 16.41 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.27 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.142 M 999 240 VERT(CL): 0.283 M 999 180 HORZ(LL): 0.056 C - - HORZ(TL): 0.111 C - - Creep Factor: 2.0 Max TC CSI: 0.699 Max BC CSI: 0.549 Max Web CSI: 0.942 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL R 12861 -/- /- /139 -/- S 11444 -/- /- /- /189 -/- Wind reactions based on MWFRS R Brg Width = 4.0 Min Req = - S Brg Width = 4.0 Min Req = - Bearings R & S are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 0 - 7462 E - F 0 - 5487 B - C 0 - 7551 F - G 18 - 6739 C - D 0 - 6509 G - H 142 - 8150 D - E 0 - 5487 H - I 119 - 7272

### Lumber

Top chord: 2x6 SP 2400f-2.0E;  
Bot chord: 2x8 SP 2400f-2.0E;  
Webs: 2x4 SP #3; W5,W9 2x4 SP #2;  
Lt Wedge: 2x8 SP #2;Rt Wedge: 2x4 SP #3;

### Nailnote

Nail Schedule:0.128"x3", min. nails  
Top Chord: 1 Row @12.00" o.c.  
Bot Chord: 2 Rows @ 4.50" 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 19.40  
TC: From 33 plf at 19.40 to 33 plf at 25.75  
TC: From 66 plf at 25.75 to 66 plf at 33.67  
BC: From 10 plf at 0.00 to 10 plf at 25.60  
BC: From 20 plf at 25.60 to 20 plf at 32.67  
BC: From 5 plf at 32.67 to 5 plf at 33.67  
PLB: From 20 plf at 11.76 to 20 plf at 14.32  
PLB: From 20 plf at 18.07 to 20 plf at 20.63  
BC: 1414 lb Conc. Load at 1.40, 3.40, 5.40  
BC: 1397 lb Conc. Load at 7.40, 9.40, 11.40, 13.40  
BC: 1508 lb Conc. Load at 15.40  
BC: 1503 lb Conc. Load at 17.40  
BC: 1328 lb Conc. Load at 19.40  
BC: 1640 lb Conc. Load at 21.40  
BC: 1593 lb Conc. Load at 23.40  
BC: 1545 lb Conc. Load at 24.85  
BC: 2838 lb Conc. Load at 25.60

### Loading

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

### Wind

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

### Bearing Block(s)

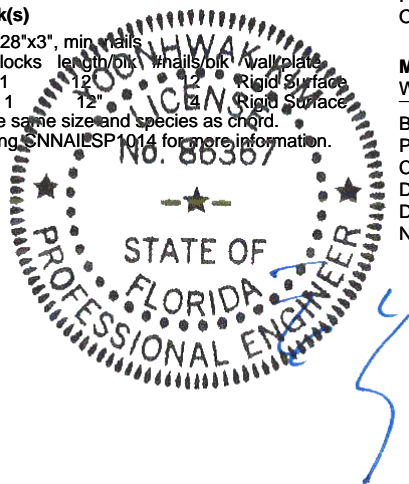
Brg blocks:0.128"x3", min. nails  
brg x-loc #blocks length/bk #nails/bk walkplate  
1 0.000' 1 12" Rigid Surface  
2 32.333' 1 12" Rigid Surface  
Brg block to be same size and species as chord.  
Refer to drawing SNAIAESP 1014 for more information.

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

Chords	Tens.Comp.	Chords	Tens. Comp.
A - Q	5333 0	N - M	5162 -12
Q - P	5333 0	M - L	6200 -101
P - O	5781 0	L - K	5330 -85
O - N	4960 0	K - I	5330 -85

### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B - P	564 -2	F - M	3420 -83
P - C	1534 0	M - G	147 -1714
C - O	0 - 1355	G - L	2122 -181
D - O	2772 0	L - H	1073 -24
D - N	1239 -22	K - H	34 -900
N - F	763 0		



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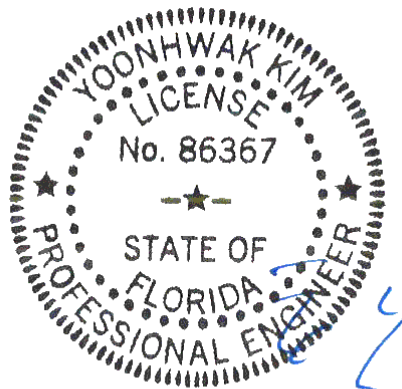
SEQN: 387773 FROM: CDM Page 2 of 2	COMN Ply: 2 Qty: 1	Job Number: 21-5836 Snipes Res Truss Label: B03	Cust: R 215 JRef: 1X7P2150012 T15 DrwNo: 218.21.1040.40083 / YK 08/06/2021
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#### Blocking

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  $\geq$  3.50" if used)  
 Bearing 2 located at 32.3' (blocking  $\geq$  3.50" if used)

#### Additional Notes

Refer to DWG PB160160118 for piggyback details.  
 The overall height of this truss excluding overhang is 10-7-13.



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 08/06/2021

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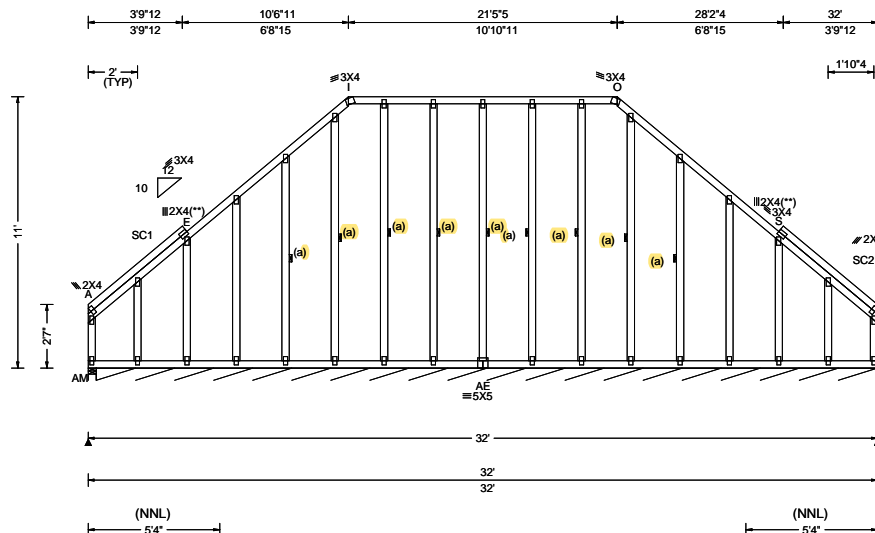
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**ALPINE**  
 AN ITW COMPANY  
 6750 Forum Drive  
 Suite 305  
 Orlando FL, 32821

SEQN: 630068 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 21-5836 Snipes Res Truss Label: C01	Cust: R 215 JRRef: 1X7P2150012 T4 DrwNo: 218.21.1040.47720 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 17.96 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.20 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.002 O 999 240 VERT(CL): 0.005 O 999 180 HORZ(LL): -0.072 A - - HORZ(TL): 0.140 A - - Creep Factor: 2.0 Max TC CSI: 0.353 Max BC CSI: 0.076 Max Web CSI: 0.163  VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL AM 151 - / - / 136 / 28 / 111 W* 82 - / - / 48 - / - Wind reactions based on MWFRS AM Brg Width = 4.0 Min Req = 1.5 W Brg Width = 380 Min Req = - Bearings AM & AM 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;

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

Fasten rated sheathing to one face of this frame.

#### Plating Notes

All plates are 2X4 except as noted.

(\*\*) 2 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.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

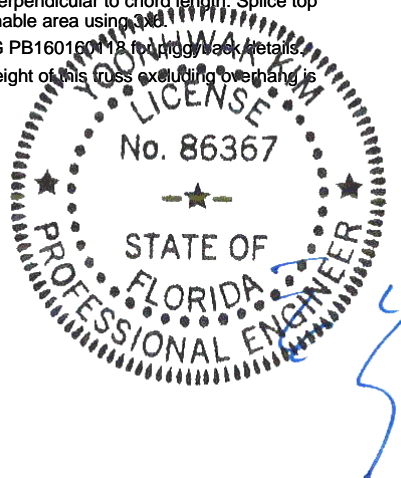
#### Additional Notes

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 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 3x4.

Refer to DWG PB160160118 for plating details.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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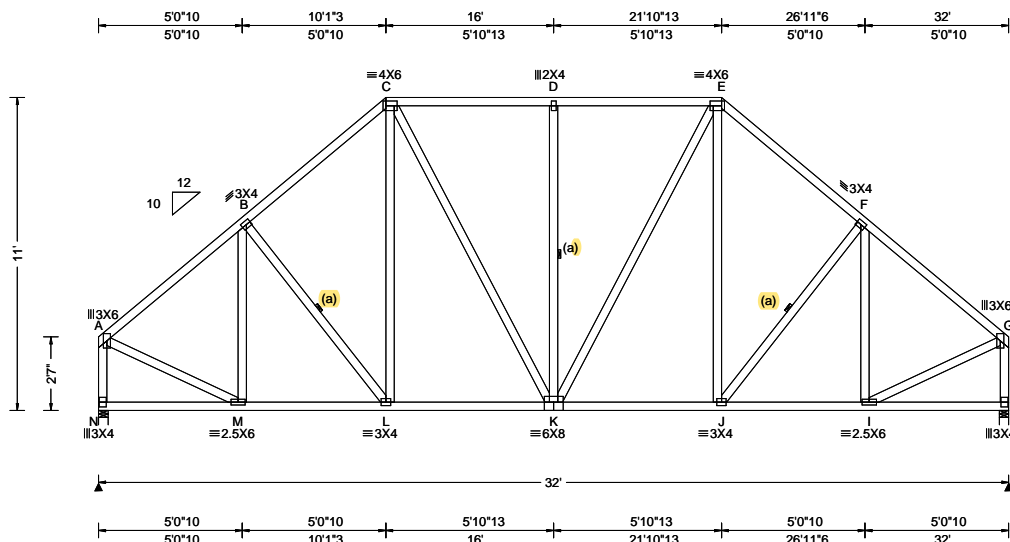
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SEQN: 629905 FROM: CDM	COMN Ply: 1 Qty: 7	Job Number: 21-5836 Snipes Res Truss Label: C02	Cust: R 215 JRef: 1X7P2150012 T26 DrwNo: 218.21.1040.50137 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 18.34 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.20 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.051 D 999 240 VERT(CL): 0.099 D 999 180 HORZ(LL): 0.020 H - - HORZ(TL): 0.038 H - - Creep Factor: 2.0 Max TC CSI: 0.417 Max BC CSI: 0.497 Max Web CSI: 0.427 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL N 1515 -/- /- /769 -/- /151 H 1515 -/- /- /763 -/- /- Wind reactions based on MWFRS N Brg Width = 4.0 Min Req = 1.8 H Brg Width = 4.0 Min Req = 1.8 Bearings N & 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. A - B 0 - 1437 D - E 0 - 1219 B - C 0 - 1470 E - F 0 - 1470 C - D 0 - 1219 F - G 0 - 1437

#### Lumber

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

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

#### Loading

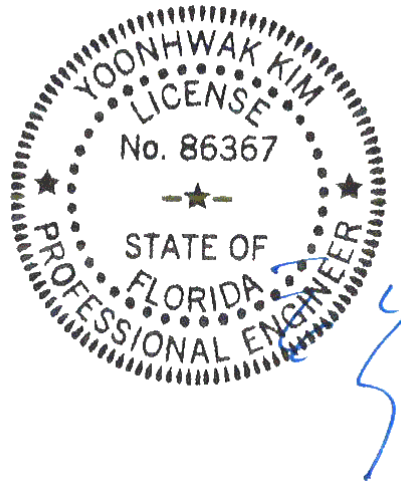
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

#### Wind

Wind loads based on MWFRS with additional C&C member design.  
End verticals not exposed to wind pressure.  
Wind loading based on both gable and hip roof types.

#### Additional Notes

Refer to DWG PB160160118 for piggyback details.  
The overall height of this truss excluding overhang is 11'-0".

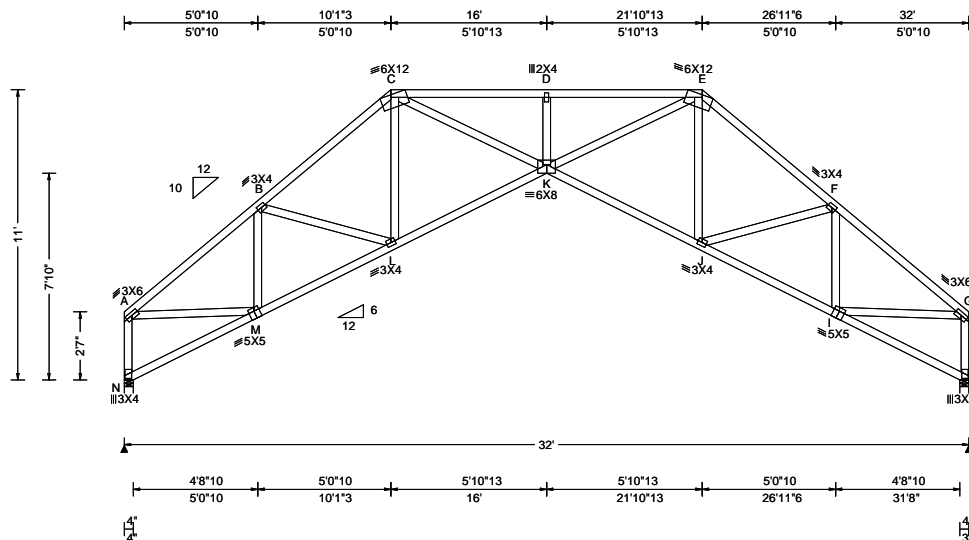


FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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**ALPINE**  
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SEQN: 629901 FROM: CDM	COMN Ply: 1 Qty: 8	Job Number: 21-5836 Snipes Res Truss Label: C03	Cust: R 215 JRef: 1X7P2150012 T25 DrwNo: 218.21.1040.52037 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 18.34 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.20 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.235 D 999 240 VERT(CL): 0.520 D 737 180 HORZ(LL): 0.272 H - - HORZ(TL): 0.601 H - - Creep Factor: 2.0 Max TC CSI: 0.673 Max BC CSI: 0.546 Max Web CSI: 0.967 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL N 1414 - / - / - /812 - /152 H 1413 - / - / - /812 - / - Wind reactions based on MWFRS N Brg Width = 4.0 Min Req = 1.5 H Brg Width = 4.0 Min Req = 1.5 Bearings N & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 0 -2047 D - E 0 -4012 B - C 0 -2357 E - F 0 -2356 C - D 0 -4012 F - G 0 -2046

#### 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.

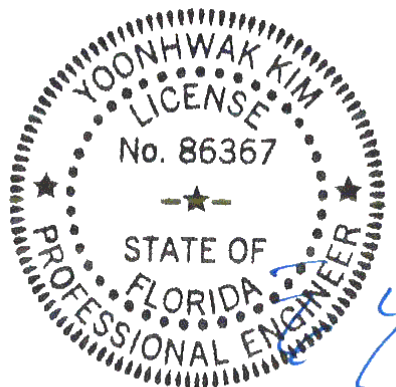
End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

#### Additional Notes

Refer to DWG PB160160118 for piggyback details.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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

Chords	Tens.Comp.	Chords	Tens. Comp.
M - L	1730	K - J	1951
L - K	1952	J - I	1729

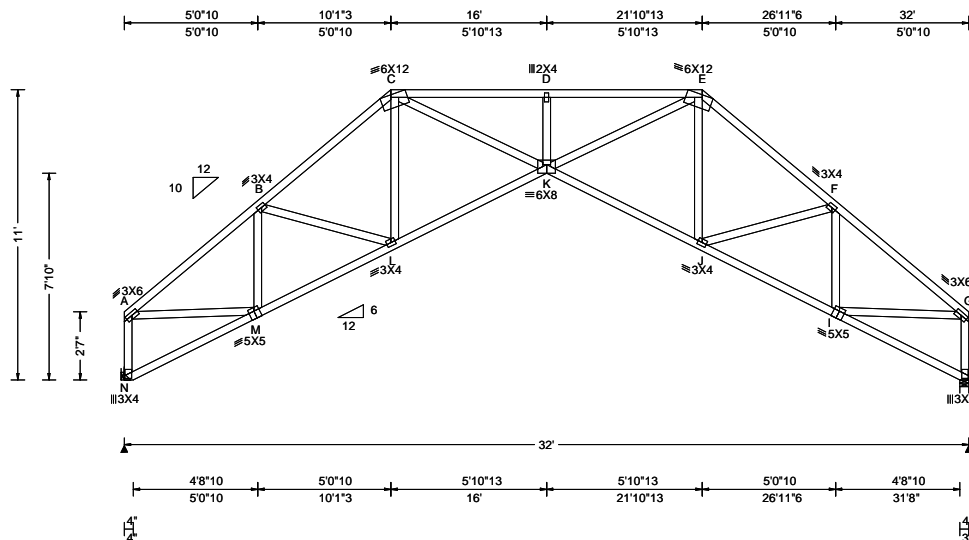
#### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - N	0 -1369	K - E	2538
A - M	1491	F - I	0 -617
M - B	0 -617	I - G	1490
C - K	2537	H - G	0 -1369

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6750 Forum Drive  
Suite 305  
Orlando FL, 32821

SEQN: 629898 FROM: CDM	COMN Ply: 1 Qty: 3	Job Number: 21-5836 Snipes Res Truss Label: C04	Cust: R 215 JRef: 1X7P2150012 T27 DrwNo: 218.21.1040.54790 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.89 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.20 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.236 D 999 240 VERT(CL): 0.521 D 737 180 HORZ(LL): 0.272 H - - HORZ(TL): 0.601 H - - Creep Factor: 2.0 Max TC CSI: 0.674 Max BC CSI: 0.546 Max Web CSI: 0.967  VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL N 1414 - / - / 781 - / 148 H 1414 - / - / 781 - / - Wind reactions based on MWFRS N Brg Width = - Min Req = - H Brg Width = 4.0 Min Req = 1.5 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 178 -2048 D - E 424 -4015 B - C 269 -2359 E - F 266 -2359 C - D 424 -4015 F - G 178 -2048

#### Lumber

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

#### Hangers / Ties

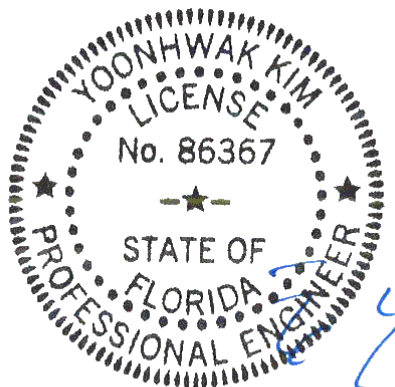
(J) Hanger Support Required, by others

#### Wind

Wind loads based on MWFRS with additional C&C member design.  
End verticals not exposed to wind pressure.  
Wind loading based on both gable and hip roof types.

#### Additional Notes

Refer to DWG PB160160118 for piggyback details.  
The overall height of this truss excluding overhang is 11'-0".



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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

Chords	Tens.Comp.	Chords	Tens. Comp.
M - L	1731 -121	K - J	1953 -71
L - K	1953 -94	J - I	1731 -106

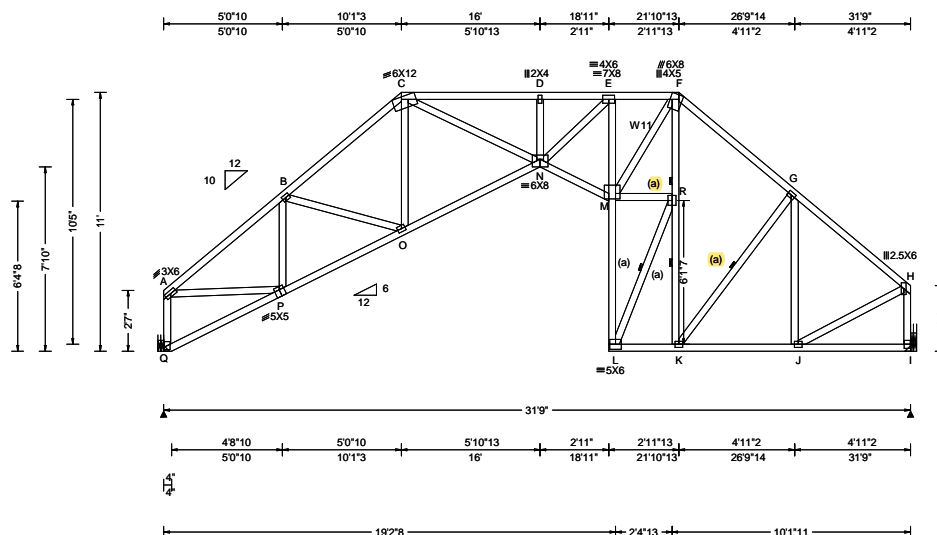
#### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - N	115 -1370	K - E	2539 -221
A - M	1491 -80	F - I	101 -617
M - B	102 -617	I - G	1491 -77
C - K	2539 -199	H - G	115 -1370

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SEQN: 630030 FROM: CDM	COMN Ply: 1 Qty: 2	Job Number: 21-5836 Snipes Res Truss Label: C05	Cust: R 215 JRRef: 1X7P2150012 T50 DrwNo: 218.21.1040.58177 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.89 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.17 ft Loc. from endwall: not in 9.00 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.239 D 999 240 VERT(CL): 0.523 D 728 180 HORZ(LL): 0.303 I - - HORZ(TL): 0.662 I - - Creep Factor: 2.0 Max TC CSI: 0.757 Max BC CSI: 0.647 Max Web CSI: 0.929 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL Q 1397 - / - / 769 - / 147 I 1379 - / - / 755 - / - Non-Gravity Wind reactions based on MWFRS Q Brg Width = - Min Req = - I Brg Width = - Min Req = - Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 156 -2020 E - F 280 -2536 B - C 244 -2322 F - G 218 -1278 C - D 375 -3897 G - H 124 -1256 D - E 375 -3896

#### Lumber

Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3; W11 2x4 SP #2;

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

#### Plating Notes

All plates are 3X4 except as noted.

#### 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.

(J) Hanger Support Required, by others  
Bearing I (31'6", 9'1'2) HUS26

Supporting Member: (2)2x10 SP 2400f-2.0E  
(14) 0.148"x3" nails into supporting member,  
(4) 0.148"x3" nails into supported member.

#### Wind

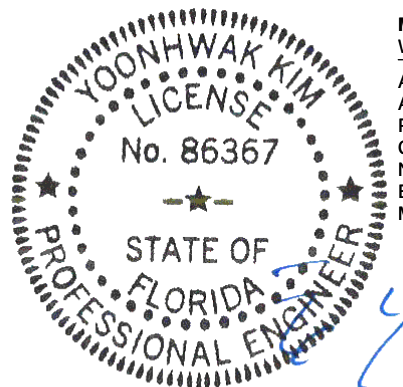
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

#### Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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

Chords	Tens.Comp.	Chords	Tens. Comp.
P - O	1707 -108	L - K	885 -23
O - N	1922 -79	K - J	909 -45
N - M	2821 -131		

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

Webs	Tens.Comp.	Webs	Tens. Comp.
A - Q	95 -1353	M - R	844 -22
A - P	1470 -66	M - F	2870 -158
P - B	94 -608	L - R	55 -2092
C - N	2438 -168	R - F	66 -1893
N - E	1839 -127	J - H	996 -46
E - M	145 -1401	H - I	99 -1338
M - L	1940 -43		

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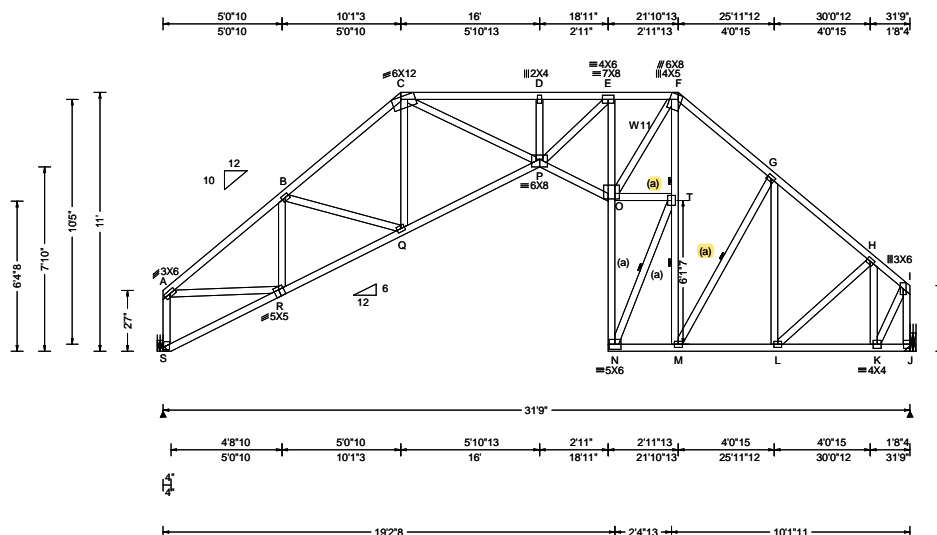
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**ALPINE**  
AN ITW COMPANY  
6750 Forum Drive  
Suite 305  
Orlando FL, 32821

SEQN: 630926 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 21-5836 Snipes Res Truss Label: C06	Cust: R 215 JRRef: 1X7P2150012 T55 DrwNo: 218.21.1041.01920 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.89 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.17 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.239 D 999 240 VERT(CL): 0.523 D 728 180 HORZ(LL): 0.304 J - - HORZ(TL): 0.664 J - - Creep Factor: 2.0 Max TC CSI: 0.758 Max BC CSI: 0.647 Max Web CSI: 0.929  VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL S 1397 -/- /- /769 -/- /147 J 1379 -/- /- /755 -/- /- Wind reactions based on MWFRS S Brg Width = - Min Req = - J 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 156 -2020 E - F 280 -2537 B - C 244 -2322 F - G 222 -1254 C - D 375 -3897 G - H 149 -1267 D - E 374 -3896 H - I 53 -693

#### Lumber

Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3; W11 2x4 SP #2;

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

#### Plating Notes

All plates are 3X4 except as noted.

#### 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.

(J) Hanger Support Required, by others

Bearing J (31'6", 9'1"2) HUS26

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

(14) 0.148"x3" nails into supporting

member,

(4) 0.148"x3" nails into supported

member.

#### Wind

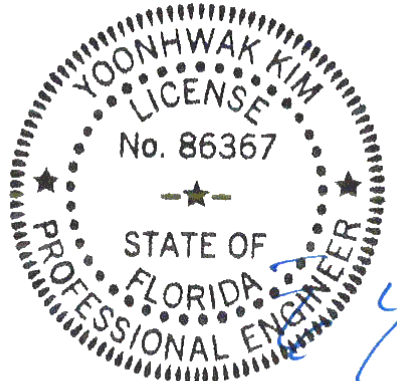
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

#### Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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

Chords	Tens.Comp.	Chords	Tens. Comp.
R - Q	1707 -108	N - M	882 -23
Q - P	1922 -79	M - L	917 -41
P - O	2822 -132	L - K	570 -35

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

Webs	Tens.Comp.	Webs	Tens. Comp.
A - S	95 -1353	O - F	2876 -158
A - R	1470 -66	N - T	55 -2085
R - B	94 -608	T - F	59 -1869
C - P	2438 -168	L - H	467 -9
P - E	1837 -127	H - K	88 -860
E - O	148 -1410	K - I	1056 -62
O - N	1937 -41	I - J	79 -1371
O - T	841 -22		

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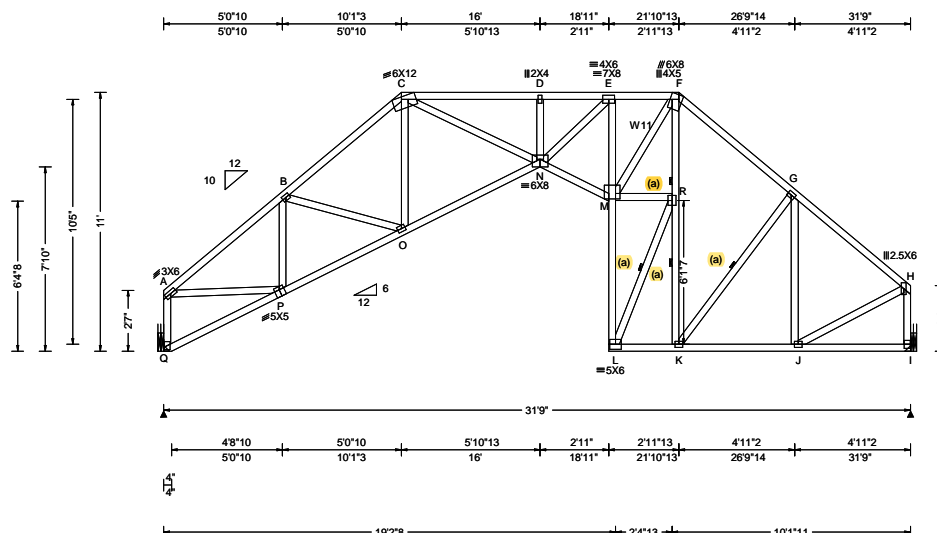
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Suite 305  
Orlando FL, 32821



SEQN: 630928 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 21-5836 Snipes Res Truss Label: C07	Cust: R 215 JRRef: 1X7P2150012 T53 DrwNo: 218.21.1041.04167 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.89 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.17 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 7th Ed. 2020 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): 0.239 D 999 240 VERT(CL): 0.523 D 728 180 HORZ(LL): 0.303 I - - HORZ(TL): 0.662 I - - Creep Factor: 2.0 Max TC CSI: 0.757 Max BC CSI: 0.647 Max Web CSI: 0.929  VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL Q 1397 - / - / /769 - / /147 I 1379 - / - / /755 - / - Wind reactions based on MWFRS Q Brg Width = - Min Req = - I 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 156 -2020 E - F 280 -2536 B - C 244 -2322 F - G 218 -1278 C - D 375 -3897 G - H 124 -1256 D - E 375 -3896

**Lumber**  
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3; W11 2x4 SP #2;

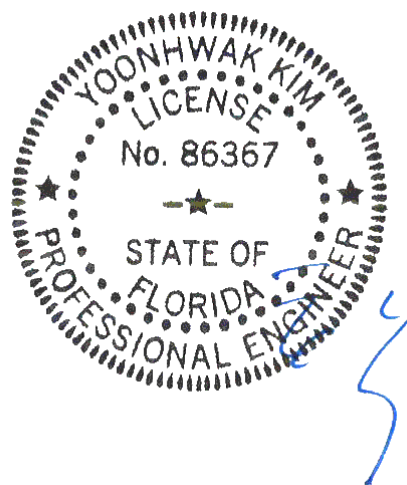
**Bracing**  
(a) Continuous lateral restraint equally spaced on member.

**Plating Notes**  
All plates are 3X4 except as noted.

**Hangers / Ties**  
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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.  
(J) Hanger Support Required, by others  
Bearing I (31'6", 9'1"2) HUS26  
Supporting Member: (2)2x10 SP 2400f-2.0E  
(14) 0.148"x3" nails into supporting member,  
(4) 0.148"x3" nails into supported member.

**Wind**  
Wind loads based on MWFRS with additional C&C member design.  
End verticals not exposed to wind pressure.  
Wind loading based on both gable and hip roof types.

**Additional Notes**  
The overall height of this truss excluding overhang is 11'-0".

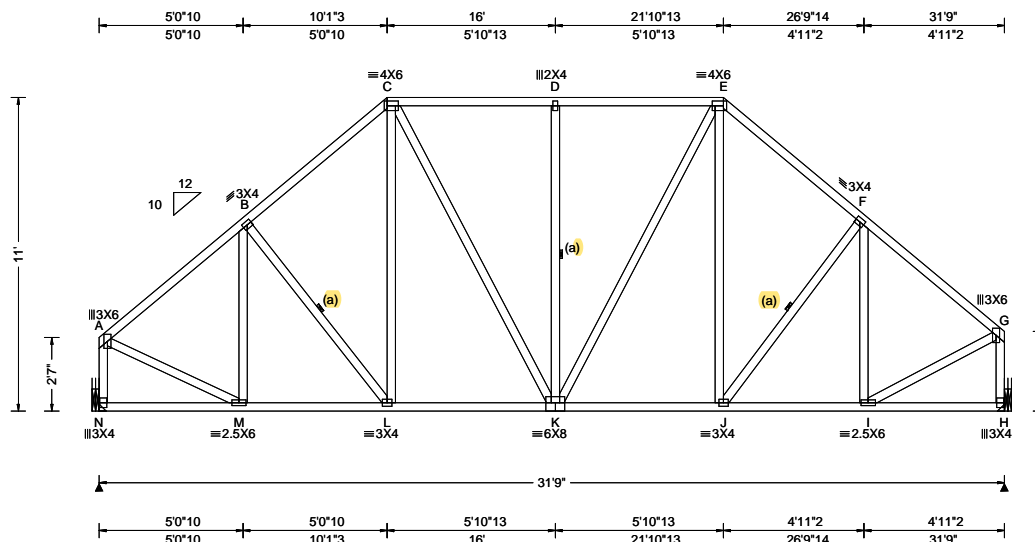


FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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SEQN: 630917 FROM: CDM	COMN Ply: 1 Qty: 5	Job Number: 21-5836 Snipes Res Truss Label: C08	Cust: R 215 JRRef: 1X7P2150012 T19 DrwNo: 218.21.1041.06680 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.89 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.17 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.051 D 999 240 VERT(CL): 0.097 D 999 180 HORZ(LL): 0.020 H - - HORZ(TL): 0.037 H - - Creep Factor: 2.0 Max TC CSI: 0.418 Max BC CSI: 0.499 Max Web CSI: 0.425 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL N 1508 - / - / 752 - / 135 H 1595 - / - / 687 - / - Wind reactions based on MWFRS N Brg Width = - Min Req = - H 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 108 - 1429 D - E 199 - 1208 B - C 195 - 1461 E - F 156 - 1446 C - D 199 - 1208 F - G 70 - 1403

#### 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

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.

(J) Hanger Support Required, by others

Bearing H (31'6", 9'1"2) HUS26

Supporting Member: (2)2x10 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.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

#### Additional Notes

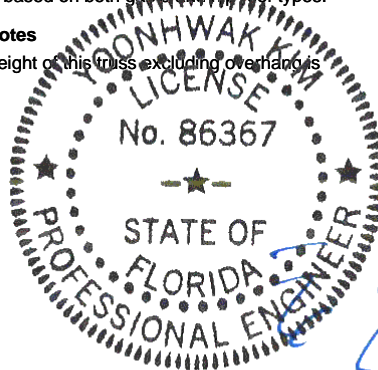
The overall height of this truss excluding overhangs is 11'-0".

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

Chords	Tens.Comp.	Chords	Tens. Comp.
M - L	1040 - 142	K - J	1027 - 80
L - K	1036 - 114	J - I	1021 - 44

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

Webs	Tens.Comp.	Webs	Tens. Comp.
A - N	80 - 1462	F - I	77 - 383
A - M	1113 - 30	I - G	1116 - 51
D - K	176 - 408	G - H	32 - 1490



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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

**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**

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.

(J) Hanger Support Required, by others  
Bearing H (31'6", 9'1"2) HUS26  
Supporting Member: (2)2x10 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.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

**Additional Notes**

The overall height of this truss, excluding overhangs, is 11'-0-0.

Maximum Bot Chord Forces Per Ply (lbs)					
Chords	Tens.	Comp.	Chords	Tens.	Comp.
M - L	1036	-76	K - J	1018	-33
L - K	1032	-35	J - I	1000	-71

Maximum Web Forces Per Ply (lbs)					
Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - N	146	-1458	F - I	87	-413
A - M	1110	-71	I - G	1094	-73
D - K	178	-408	G - H	148	-1461
K - E	376	-72			


FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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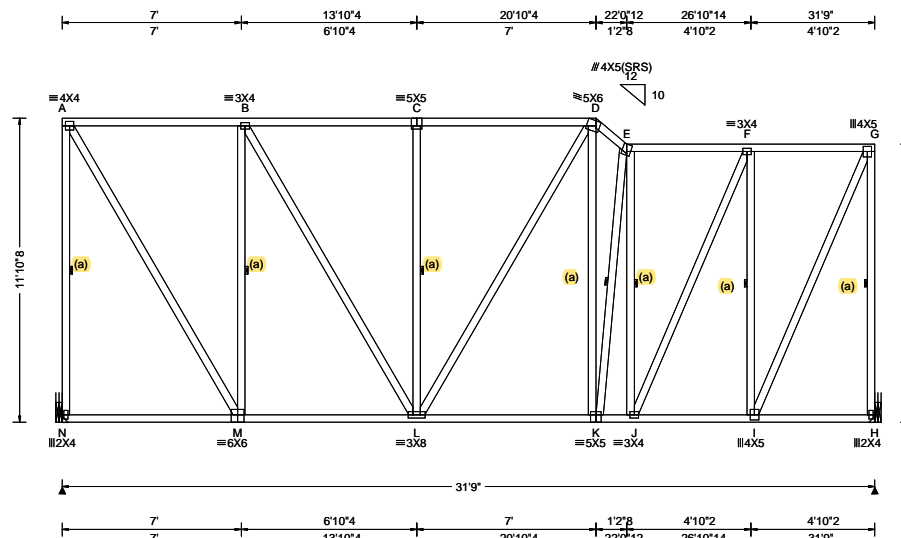
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 Orlando FL, 32821



SEQN: 630905 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 21-5836 Snipes Res Truss Label: C10	Cust: R 215 JRef: 1X7P2150012 T13 DrwNo: 218.21.1041.11523 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 22.49 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.17 ft Loc. from endwall: Any 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.077 K 999 240 VERT(CL): 0.145 K 999 180 HORZ(LL): 0.024 A - - HORZ(TL): 0.046 A - - Creep Factor: 2.0 Max TC CSI: 0.551 Max BC CSI: 0.826 Max Web CSI: 0.895  VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL N 1328 - / - / - / 491 - / 25 H 1633 - / - / 640 - / - Wind reactions based on MWFRS N Brg Width = - Min Req = - H 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 0 - 667 D - E 0 - 1226 B - C 0 - 1039 E - F 0 - 985 C - D 0 - 1040 F - G 4 - 627

#### 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

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(J) Hanger Support Required, by others

Bearing H (31'6", 9'1"2) HUS26

Supporting Member: (2)2x10 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.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

#### Additional Notes

Refer to DWG PB160148 for piggyback details.

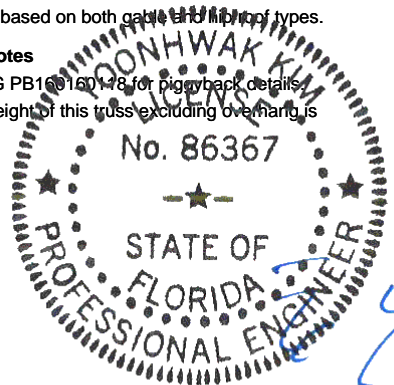
The overall height of this truss excluding overhang is 11-10-8.

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

Chords	Tens.Comp.	Chords	Tens. Comp.
M - L	683 0	K - J	1006 0
L - K	997 0	J - I	659 -6

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

Webs	Tens.Comp.	Webs	Tens. Comp.
A - N	0 - 1128	E - J	0 - 765
A - M	1310 0	J - F	847 0
M - B	0 - 618	F - I	64 - 1168
B - L	710 0	I - G	1544 - 11
C - L	0 - 405	G - H	74 - 1540



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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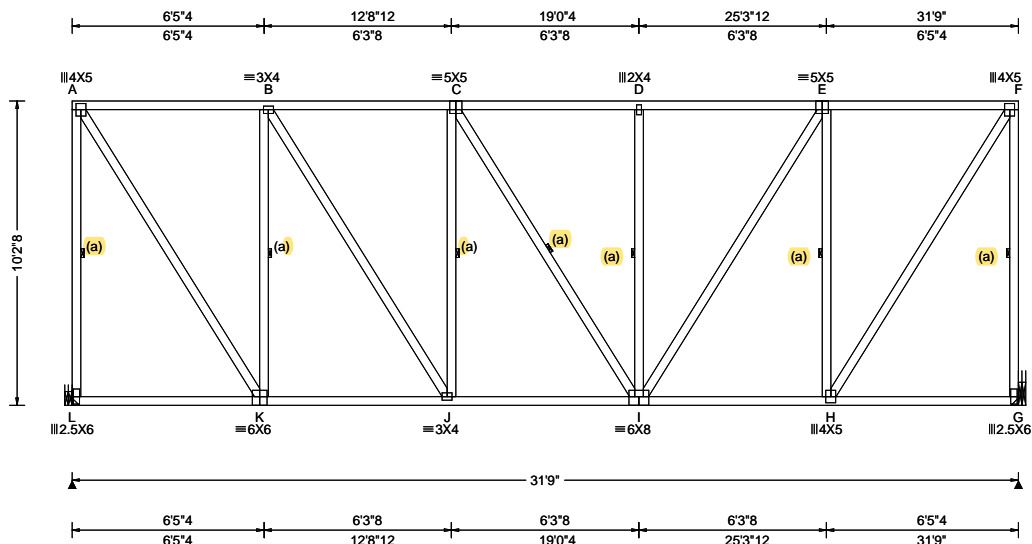
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6750 Forum Drive  
Suite 305  
Orlando FL, 32821

SEQN: 630895 FROM: CDM	FLAT Ply: 1 Qty: 1	Job Number: 21-5836 Snipes Res Truss Label: C11	Cust: R 215 JRRef: 1X7P2150012 T52 DrwNo: 218.21.1041.13780 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 19.30 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.17 ft Loc. from endwall: Any 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.094 D 999 240 VERT(CL): 0.153 D 999 180 HORZ(LL): 0.026 A - - HORZ(TL): 0.042 A - - Creep Factor: 2.0 Max TC CSI: 0.657 Max BC CSI: 0.574 Max Web CSI: 0.817 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL L 1640 - / - / - / 645 / 58 - / - G 1629 - / - / - / 645 / 58 - / - Wind reactions based on MWFRS L 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 167 -857 D - E 244 -1249 B - C 240 -1255 E - F 166 -851 C - D 244 -1249

#### 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  
(H2) = (J) Special hanger required (2)2x10 SP 2400f-2.0E supporting member.

#### Loading

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

#### Wind

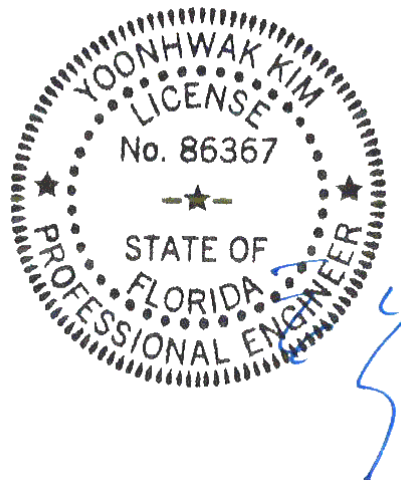
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

#### Additional Notes

Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is 10-2-8.

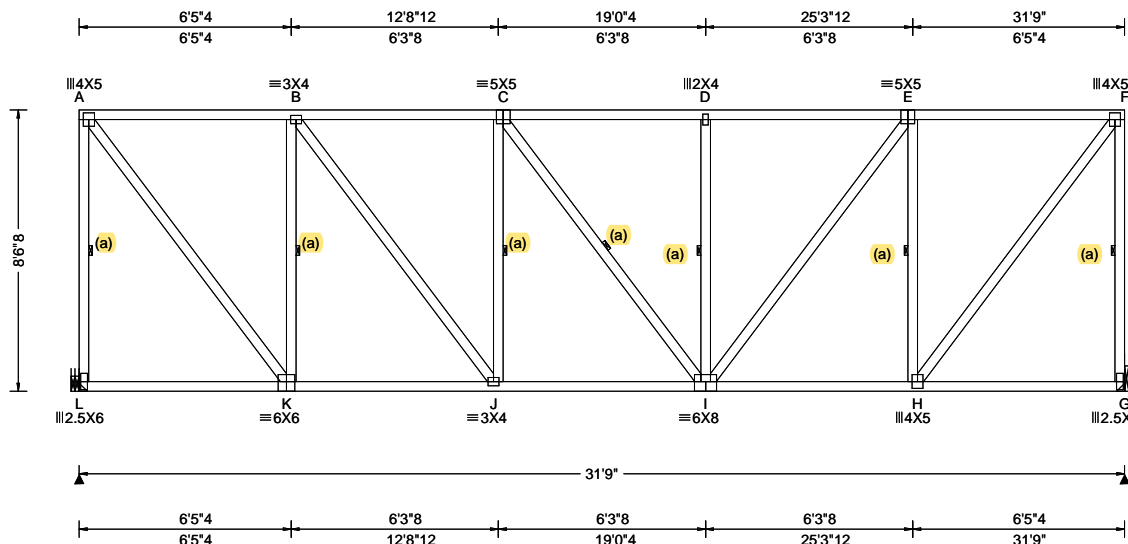


FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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

SEQN: 630892 FROM: CDM	FLAT Ply: 1 Qty: 1	Job Number: 21-5836 Snipes Res Truss Label: C12	Cust: R 215 JRRef: 1X7P2150012 T29 DrwNo: 218.21.1041.16980 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 17.63 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.17 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.096 D 999 240 VERT(CL): 0.159 D 999 180 HORZ(LL): 0.030 A - - HORZ(TL): 0.050 A - - Creep Factor: 2.0 Max TC CSI: 0.626 Max BC CSI: 0.589 Max Web CSI: 0.634 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL L 1593 - / - / - / 645 / 36 - / - G 1582 - / - / - / 645 / 36 - / - Wind reactions based on MWFRS L 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 189 -999 D - E 276 -1453 B - C 272 -1462 E - F 188 -990 C - D 276 -1453 <b>Maximum Bot Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. K - J 1035 -200 I - H 1026 -199 J - I 1473 -278 <b>Maximum Web Forces Per Ply (lbs)</b> Webs Tens.Comp. Webs Tens. Comp. A - L 326 -1467 I - E 715 -135 A - K 1647 -312 E - H 319 -1005 K - B 319 -1027 H - F 1633 -310 B - J 725 -129 F - G 326 -1458

#### 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  
(H2) = (J) Special hanger required (2)2x10 SP 2400f-2.0E supporting member.

#### Loading

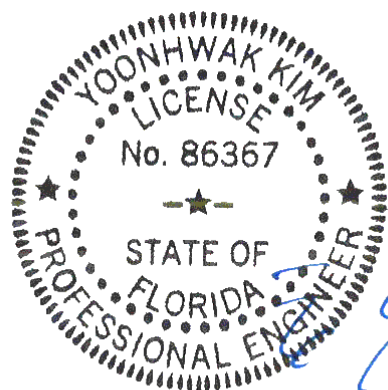
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

#### Wind

Wind loads based on MWFRS with additional C&C member design.  
End verticals not exposed to wind pressure.

#### Additional Notes

Truss must be installed as shown with top chord up.  
The overall height of this truss excluding overhang is 8-6-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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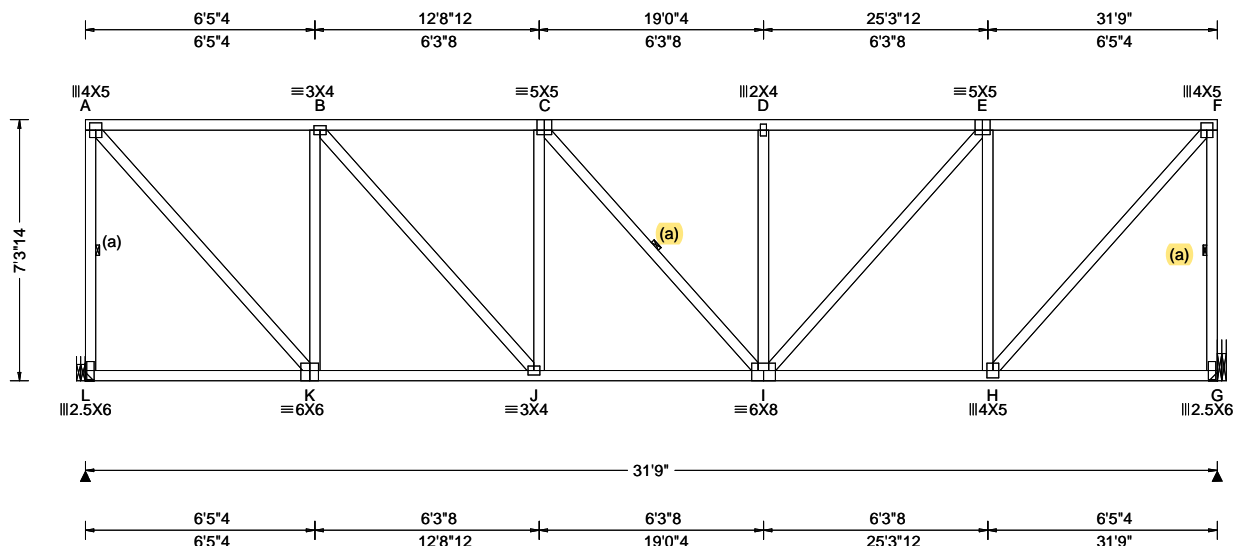
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AN ITW COMPANY  
6750 Forum Drive  
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Orlando FL, 32821

SEQN: 630889 FROM: CDM	FLAT Ply: 1 Qty: 1	Job Number: 21-5836 Snipes Res Truss Label: C13	Cust: R 215 JRRef: 1X7P2150012 T51 DrwNo: 218.21.1041.19530 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 16.42 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.17 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.101 D 999 240 VERT(CL): 0.173 D 999 180 HORZ(LL): 0.034 A - - HORZ(TL): 0.058 A - - Creep Factor: 2.0 Max TC CSI: 0.661 Max BC CSI: 0.597 Max Web CSI: 0.968 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity L 1545 - / - / 645 / 19 - / - G 1533 - / - / 645 / 19 - / - Wind reactions based on MWFRS L 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 211 - 1134 D - E 308 - 1649 B - C 304 - 1659 E - F 210 - 1123 C - D 308 - 1649

#### 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  
(H2) = (J) Special hanger required (2)2x10 SP 2400f-2.0E supporting member.

#### Loading

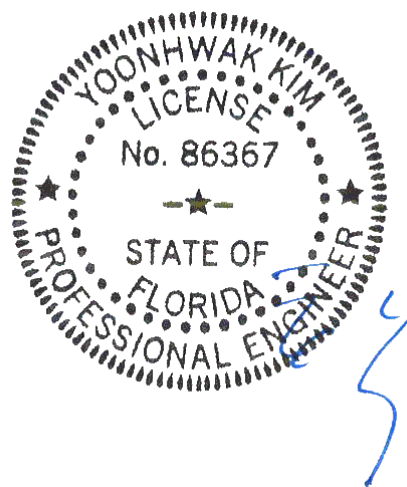
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

#### Wind

Wind loads based on MWFRS with additional C&C member design.  
End verticals not exposed to wind pressure.

#### Additional Notes

Truss must be installed as shown with top chord up.  
The overall height of this truss excluding overhang is 7'-3-14.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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

Chords	Tens.Comp.	Chords	Tens. Comp.
K - J	1175 - 224	I - H	1164 - 223
J - I	1673 - 311		

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

Webs	Tens.Comp.	Webs	Tens. Comp.
A - L	313 - 1425	I - E	736 - 138
A - K	1700 - 317	E - H	307 - 987
K - B	307 - 1008	H - F	1685 - 315
B - J	745 - 131	F - G	312 - 1416

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Orlando FL, 32821





SEQN: 630932	GABL	Ply: 1	Job Number: 21-5836	Cust: R 215 JRef: 1X7P2150012 T14
FROM: CDM		Qty: 1	Snipes Res	DrwNo: 218.21.1041.26653
Page 2 of 2			Truss Label: C14	/ YK 08/06/2021

#### Hangers / Ties

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

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

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.

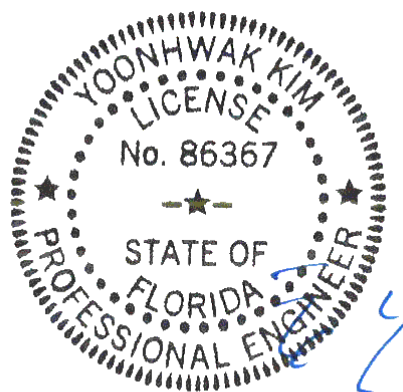
(J) Hanger Support Required, by others

Bearing R (31'6", 9'1"2) HUS28

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

(22) 0.162"x3.5" nails into supporting member,

(4) 0.162"x3.5" nails into supported member.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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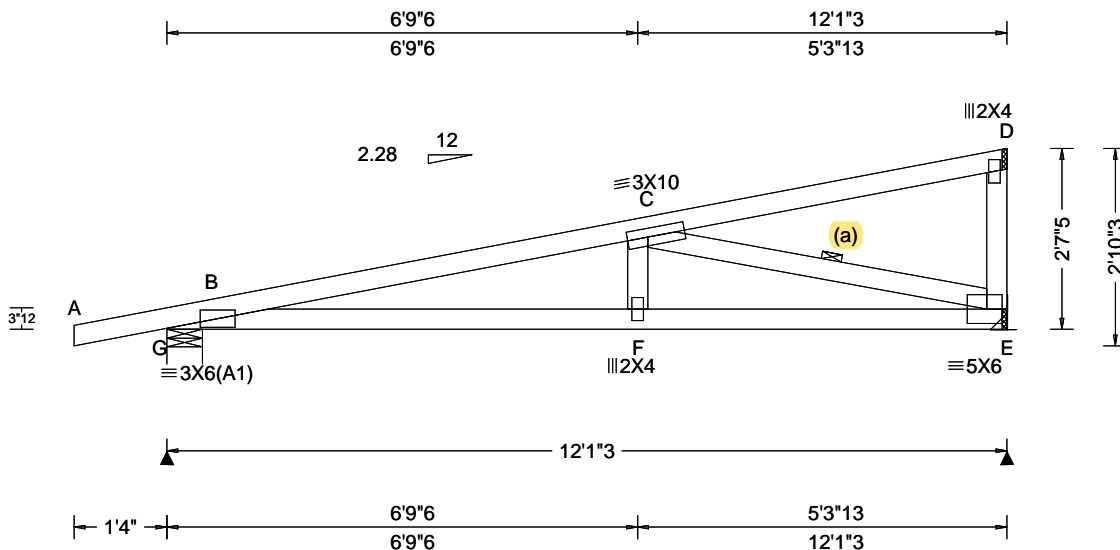
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Orlando FL, 32821

SEQN: 630064 FROM: CDM	HIP_	Ply: 1 Qty: 1	Job Number: 21-5836 Snipes Res Truss Label: HJ01	Cust: R 215 JRef: 1X7P2150012 T47 DrwNo: 218.21.1041.27670 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B 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 7th Ed. 2020 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): 0.129 F 999 240 VERT(CL): 0.256 F 559 180 HORZ(LL): 0.026 E - - HORZ(TL): 0.051 E - - Creep Factor: 2.0 Max TC CSI: 0.491 Max BC CSI: 0.957 Max Web CSI: 0.795 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL G 1080 -/- /- /- /66 -/ E 2123 -/- /- /- /178 -/ Wind reactions based on MWFRS G Brg Width = 6.1 Min Req = 1.5 E Brg Width = - Min Req = - Bearing G is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 172 - 3655

#### Lumber

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

#### Bracing

(a) Continuous lateral restraint equally spaced on member.

#### Special Loads

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

TC: From 60 plf at -1.33 to 60 plf at 12.10  
BC: From 4 plf at -1.33 to 4 plf at 0.00  
BC: From 20 plf at 0.00 to 20 plf at 12.10  
TC: -6 lb Conc. Load at 1.35  
TC: 4 lb Conc. Load at 1.60  
TC: 53 lb Conc. Load at 3.98  
TC: 82 lb Conc. Load at 4.67  
TC: 106 lb Conc. Load at 6.61  
TC: 150 lb Conc. Load at 7.75  
TC: 155 lb Conc. Load at 9.25  
TC: 300 lb Conc. Load at 10.82  
TC: 204 lb Conc. Load at 11.88  
BC: 1 lb Conc. Load at 1.35  
BC: 12 lb Conc. Load at 1.60  
BC: 40 lb Conc. Load at 3.98  
BC: 59 lb Conc. Load at 4.67  
BC: 74 lb Conc. Load at 6.61  
BC: 104 lb Conc. Load at 7.75  
BC: 107 lb Conc. Load at 9.25  
BC: 560 lb Conc. Load at 10.82  
BC: 140 lb Conc. Load at 11.88

#### Wind

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

#### Additional Notes

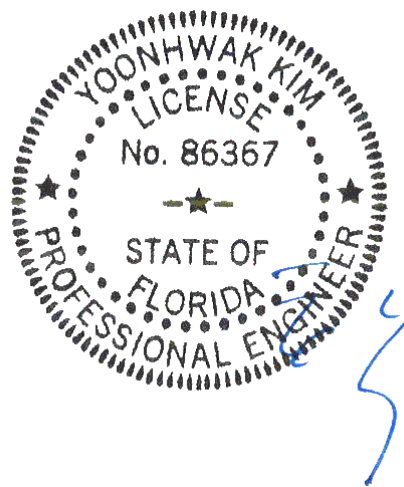
The overall height of this truss excluding overhang is 2'-7"-5."

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

Chords	Tens.Comp.	Chords	Tens. Comp.
B - F	3560 -161	F - E	3504 -166

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

Webs	Tens.Comp.	Webs	Tens. Comp.
F - C	628 0	D - E	41 -601
C - E	163 -3551		



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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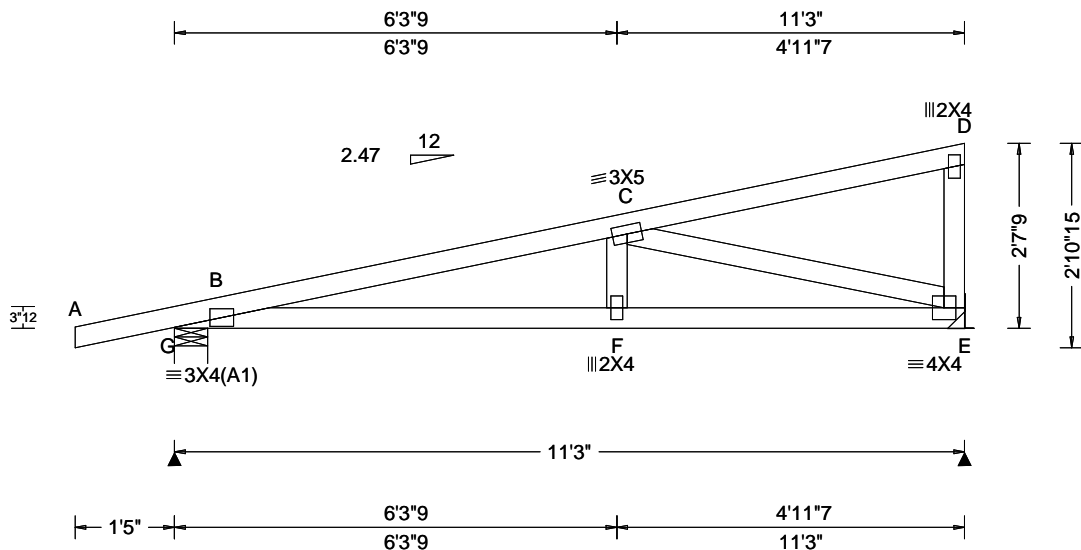
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SEQN: 630062 FROM: CDM	HIP_	Ply: 1 Qty: 1	Job Number: 21-5836 Snipes Res Truss Label: HJ02	Cust: R 215 JRef: 1X7P2150012 T46 DrwNo: 218.21.1041.31960 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B 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 7th Ed. 2020 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): 0.064 F 999 240 VERT(CL): 0.131 F 999 180 HORZ(LL): 0.015 E - - HORZ(TL): 0.030 E - - Creep Factor: 2.0 Max TC CSI: 0.877 Max BC CSI: 0.996 Max Web CSI: 0.797 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity G 461 /- /- /- /24 /- E 931 /- /- /- /8 /- Wind reactions based on MWFRS G Brg Width = 5.7 Min Req = 1.5 E Brg Width = - Min Req = - Bearing G is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 16 - 1707

#### Lumber

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

#### Special Loads

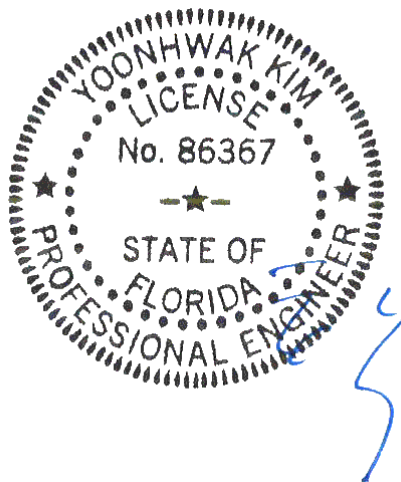
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 0 plf at -1.41 to 60 plf at 0.00  
TC: From 2 plf at 0.00 to 2 plf at 11.25  
BC: From 0 plf at -1.41 to 4 plf at 0.00  
BC: From 2 plf at 0.00 to 2 plf at 11.25  
TC: -7 lb Conc. Load at 1.48  
TC: 136 lb Conc. Load at 4.31  
TC: 254 lb Conc. Load at 7.13  
TC: 368 lb Conc. Load at 9.96  
BC: 19 lb Conc. Load at 1.48  
BC: 99 lb Conc. Load at 4.31  
BC: 177 lb Conc. Load at 7.13  
BC: 254 lb Conc. Load at 9.96

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 2'-7-9.



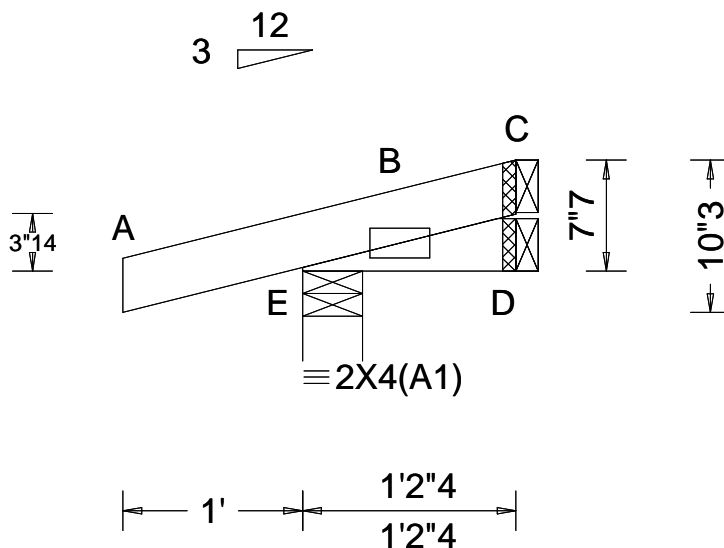
FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

**\*\*WARNING\*\*** READ AND FOLLOW ALL NOTES ON THIS DRAWING!  
**\*\*IMPORTANT\*\*** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS  
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SEQN: 629937 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 21-5836 Snipes Res Truss Label: J02	Cust: R 215 JRef: 1X7P2150012 T35 DrwNo: 218.21.1041.44680 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B 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 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 C - - HORZ(TL): 0.000 C - - Creep Factor: 2.0 Max TC CSI: 0.071 Max BC CSI: 0.010 Max Web CSI: 0.000 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 159 - / - / 80 / 25 / 12 D 12 - / - / 8 / 2 / - C 4 - / 2 / - / 8 / 5 / - Wind reactions based on MWFRS E Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375#

#### Lumber

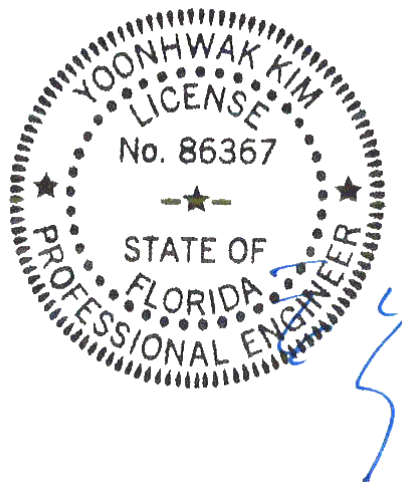
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 0-7-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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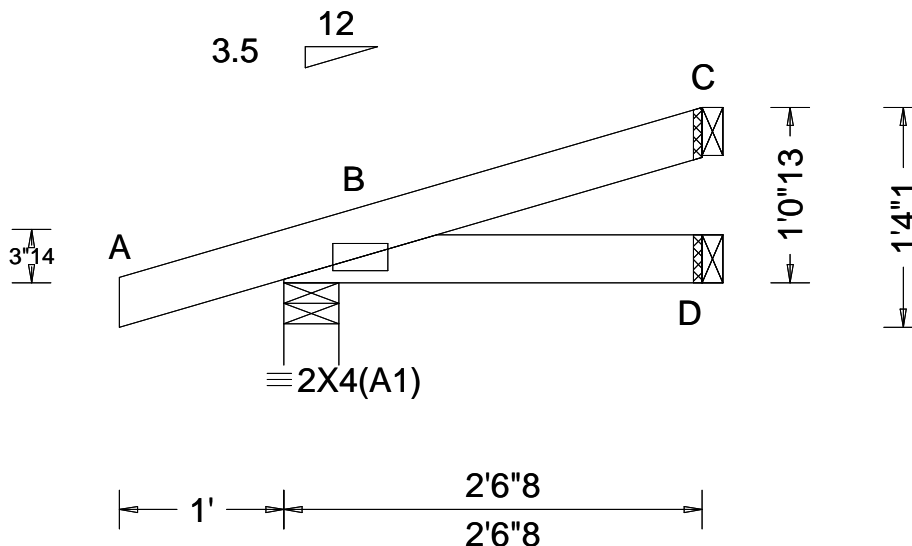
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SEQN: 629944 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 21-5836 Snipes Res Truss Label: J03	Cust: R 215 JRef: 1X7P2150012 T39 DrwNo: 218.21.1041.47620 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.000 D - - HORZ(TL): 0.001 D - - Creep Factor: 2.0 Max TC CSI: 0.072 Max BC CSI: 0.045 Max Web CSI: 0.000 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 192 - / - /107 /11 /20 D 40 - / - /22 - / - C 53 - / - /24 /8 - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

#### Lumber

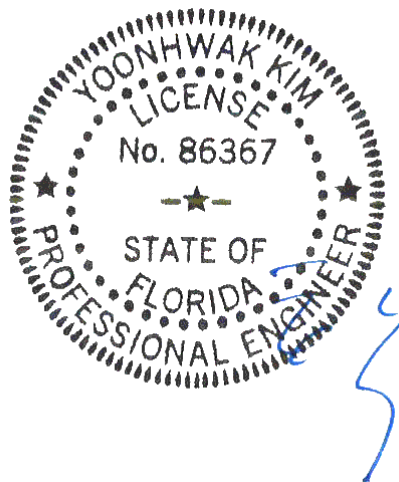
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 1'-0-13.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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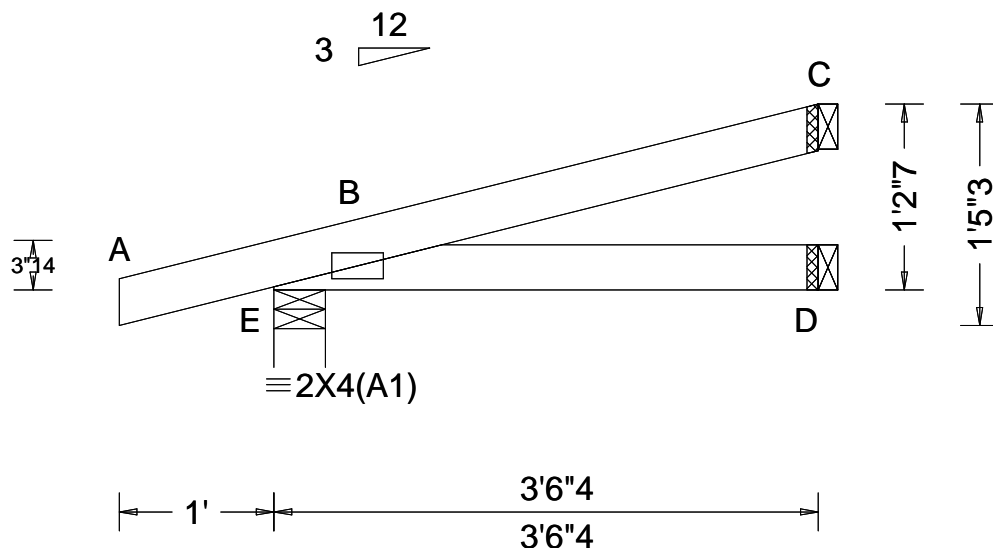
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Orlando FL, 32821

SEQN: 629939 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 21-5836 Snipes Res Truss Label: J04	Cust: R 215 JRef: 1X7P2150012 T34 DrwNo: 218.21.1041.49113 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.002 D - - HORZ(TL): 0.003 D - - Creep Factor: 2.0 Max TC CSI: 0.119 Max BC CSI: 0.103 Max Web CSI: 0.000 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 225 - / - /114 /13 /22 D 59 - / - /33 - / - C 82 - / - /33 /12 - Wind reactions based on MWFRS E Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375#

#### Lumber

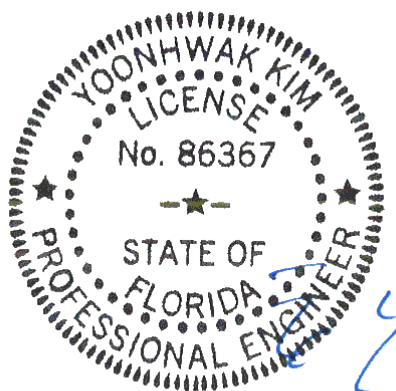
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 1'-2-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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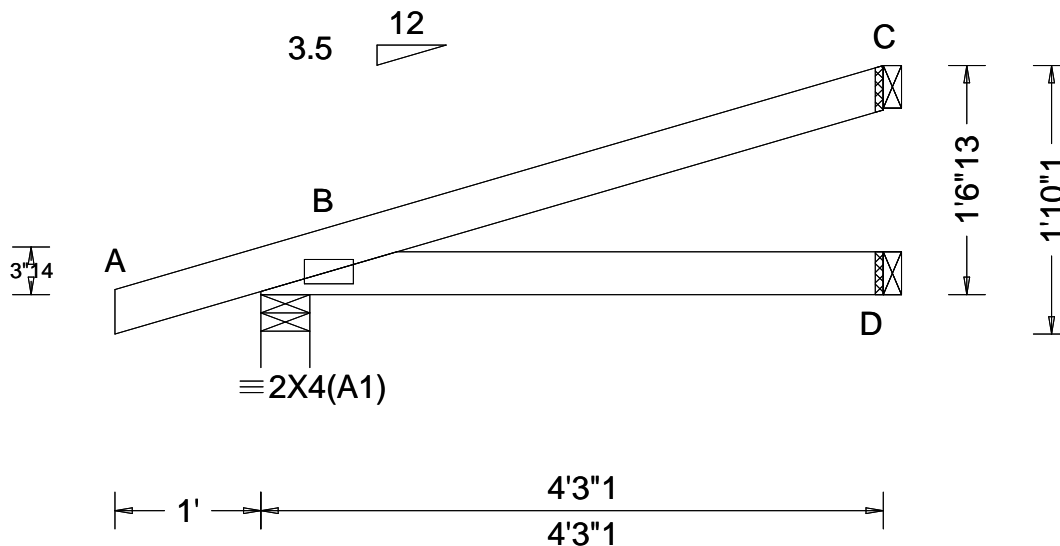
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6750 Forum Drive  
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Orlando FL, 32821

SEQN: 629946 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 21-5836 Snipes Res Truss Label: J05	Cust: R 215 JRef: 1X7P2150012 T38 DrwNo: 218.21.1041.50617 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B 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 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.003 D - - HORZ(TL): 0.006 D - - Creep Factor: 2.0 Max TC CSI: 0.205 Max BC CSI: 0.157 Max Web CSI: 0.000 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 253 /- /- /141 /3 /30 D 74 /- /- /41 /- /- C 106 /- /- /48 /17 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

#### Lumber

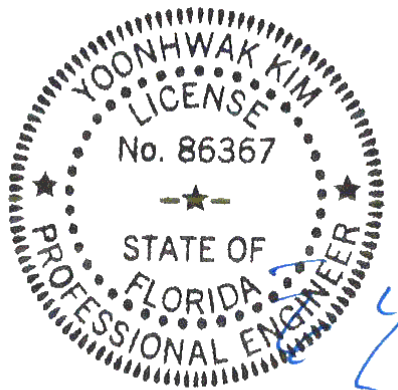
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 1'-6-13.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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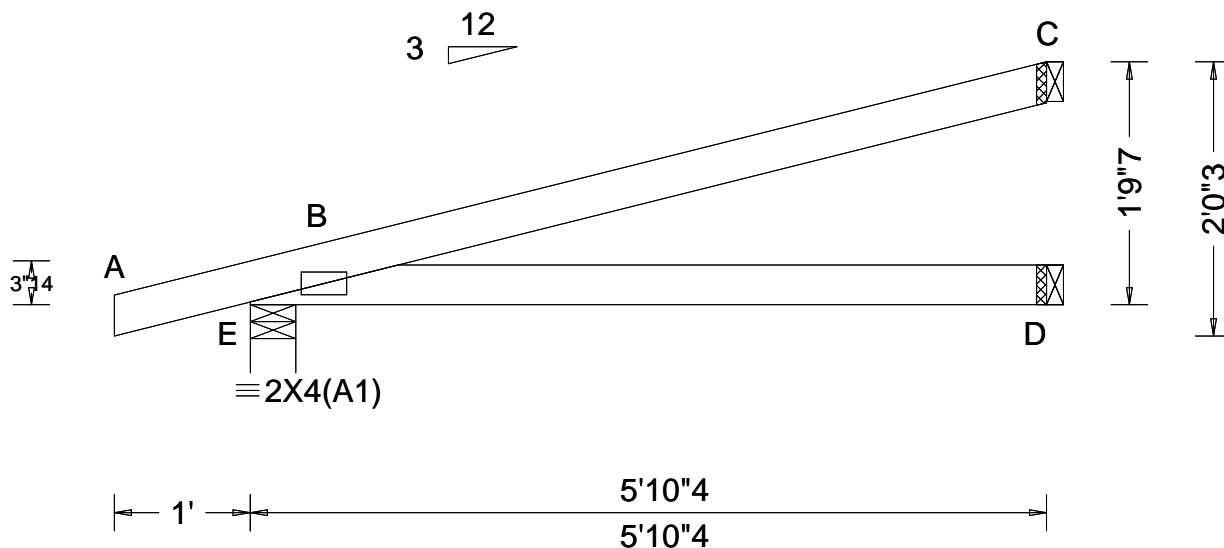
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6750 Forum Drive  
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Orlando FL, 32821

SEQN: 629948 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 21-5836 Snipes Res Truss Label: J06	Cust: R 215 JRef: 1X7P2150012 T33 DrwNo: 218.21.1041.52157 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B 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 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.009 D - - HORZ(TL): 0.018 D - - Creep Factor: 2.0 Max TC CSI: 0.442 Max BC CSI: 0.325 Max Web CSI: 0.000 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 314 - / - /159 /7 /34 D 104 - / - /57 - / - C 150 - / - /59 /23 - Wind reactions based on MWFRS E Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375#

#### Lumber

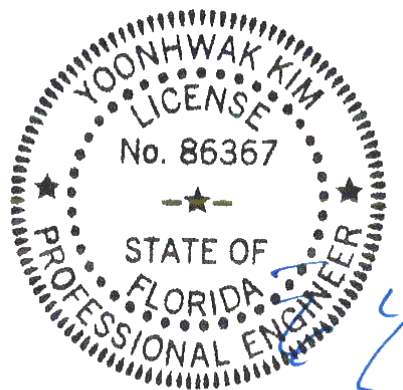
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 1-9-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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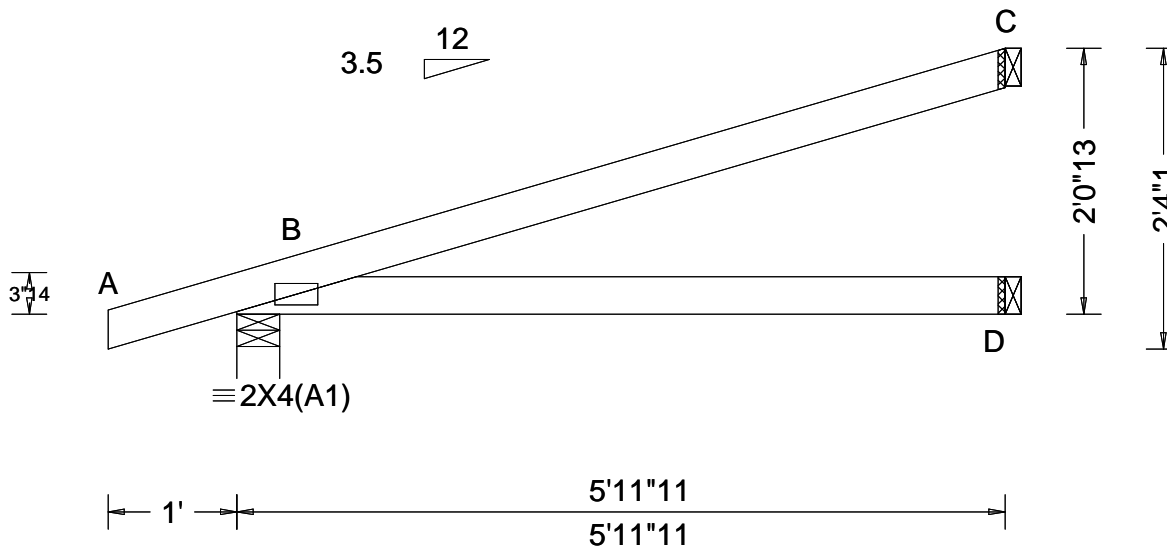
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6750 Forum Drive  
Suite 305  
Orlando FL, 32821

SEQN: 629950 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 21-5836 Snipes Res Truss Label: J07	Cust: R 215 JRRef: 1X7P2150012 T37 DrwNo: 218.21.1041.53833 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.010 D - - HORZ(TL): 0.019 D - - Creep Factor: 2.0 Max TC CSI: 0.475 Max BC CSI: 0.343 Max Web CSI: 0.000 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 320 - / - /178 /1 /40 D 107 - / - /59 - / - C 155 - / - /71 /25 - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

#### Lumber

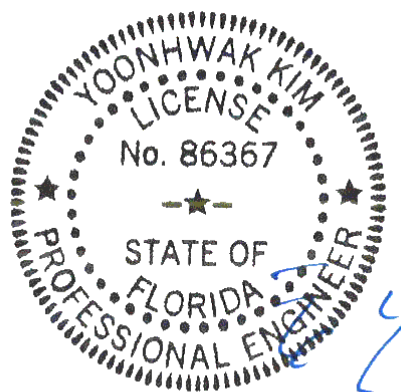
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 2'-0"-13".



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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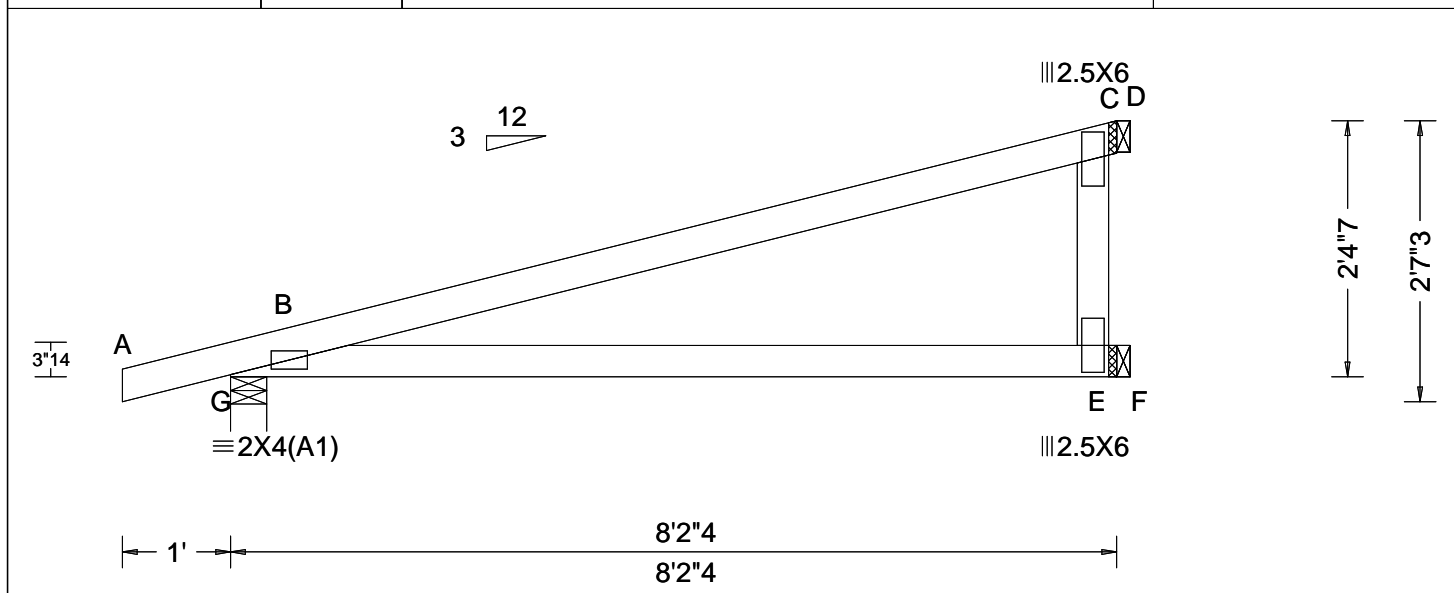
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SEQN: 629954 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 21-5836 Snipes Res Truss Label: J08	Cust: R 215 JRRef: 1X7P2150012 T32 DrwNo: 218.21.1041.58577 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.024 F - - HORZ(TL): 0.047 F - - Creep Factor: 2.0 Max TC CSI: 0.851 Max BC CSI: 0.611 Max Web CSI: 0.331 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL G 406 /- /- /206 /2 /46 E 560 /-58 /- /99 /209 /- D 300 /-241 /- /203 /- /- Wind reactions based on MWFRS G Brg Width = 4.0 Min Req = 1.5 E Brg Width = 1.5 Min Req = - D Brg Width = 1.5 Min Req = - Bearing G is a rigid surface. Members not listed have forces less than 375# <b>Maximum Web Forces Per Ply (lbs)</b> Webs Tens.Comp. C - F 533 -457

#### Lumber

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

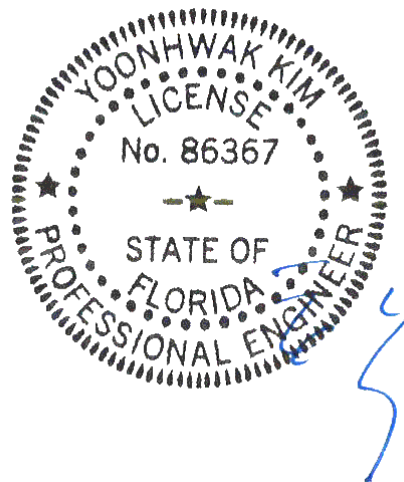
#### Wind

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

#### Additional Notes

Negative reaction(s) of -241# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

The overall height of this truss excluding overhang is 2-4-7.



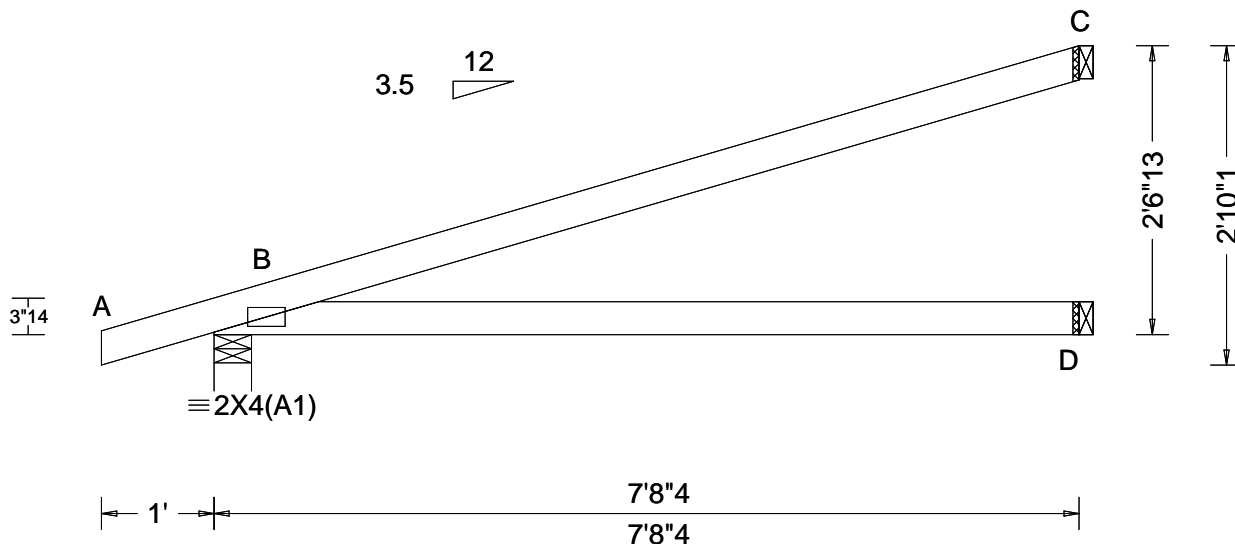
FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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SEQN: 629956 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 21-5836 Snipes Res Truss Label: J09	Cust: R 215 JRRef: 1X7P2150012 T36 DrwNo: 218.21.1042.00147 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.022 D - - HORZ(TL): 0.043 D - - Creep Factor: 2.0 Max TC CSI: 0.860 Max BC CSI: 0.607 Max Web CSI: 0.000 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 387 - / - /216 - /50 D 140 - / - /78 - /- C 204 - / - /93 /32 - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

#### Lumber

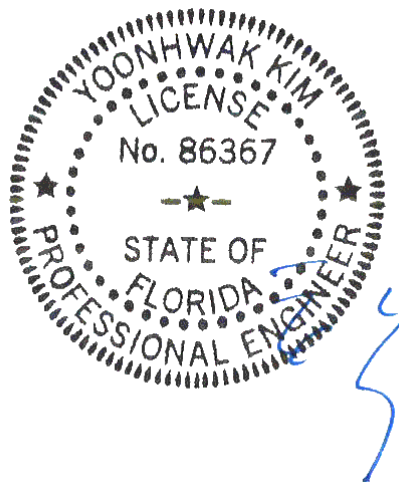
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 2-6-13.



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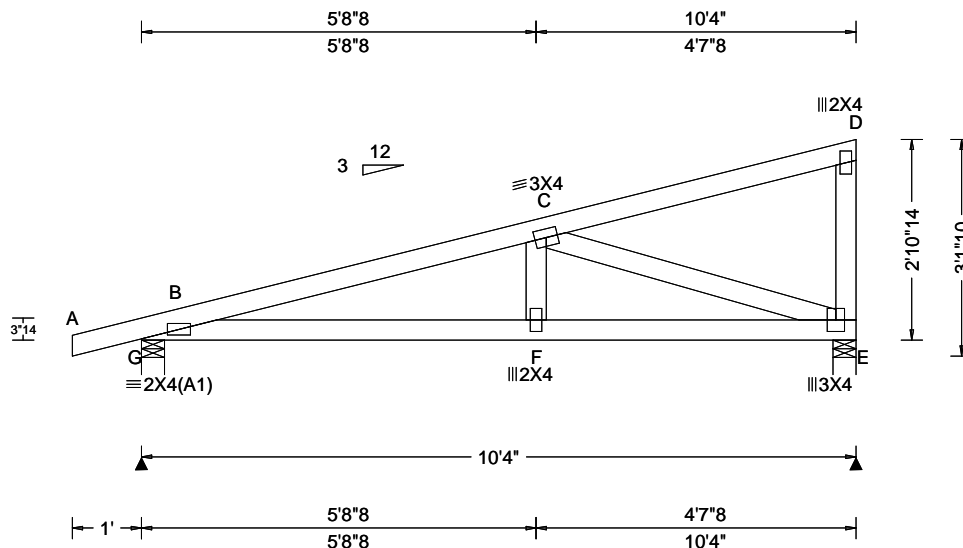
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SEQN: 629922 FROM: CDM	MONO Ply: 1 Qty: 16	Job Number: 21-5836 Snipes Res Truss Label: J10	Cust: R 215 JRef: 1X7P2150012 T41 DrwNo: 218.21.1042.01897 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.024 F 999 240 VERT(CL): 0.047 F 999 180 HORZ(LL): 0.007 E - - HORZ(TL): 0.013 E - - Creep Factor: 2.0 Max TC CSI: 0.345 Max BC CSI: 0.364 Max Web CSI: 0.369 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL G 491 -/- /250 -/- /57 E 406 -/- /209 /7 -/ Wind reactions based on MWFRS G Brg Width = 4.0 Min Req = 1.5 E Brg Width = 4.0 Min Req = 1.5 Bearings G & E are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 130 -873

#### Lumber

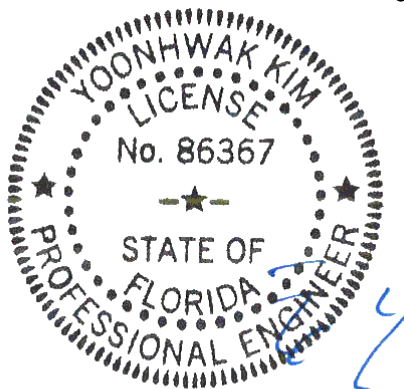
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

#### Wind

Wind loads based on MWFRS with additional C&C member design.  
Right end vertical not exposed to wind pressure.  
Wind loading based on both gable and hip roof types.

#### Additional Notes

The overall height of this truss excluding overhang is 2'-10"-14.



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08/06/2021

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

Chords	Tens.Comp.	Chords	Tens. Comp.
B - F	820 -186	F - E	810 -189

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

Webs	Tens.Comp.
C - E	198 -845

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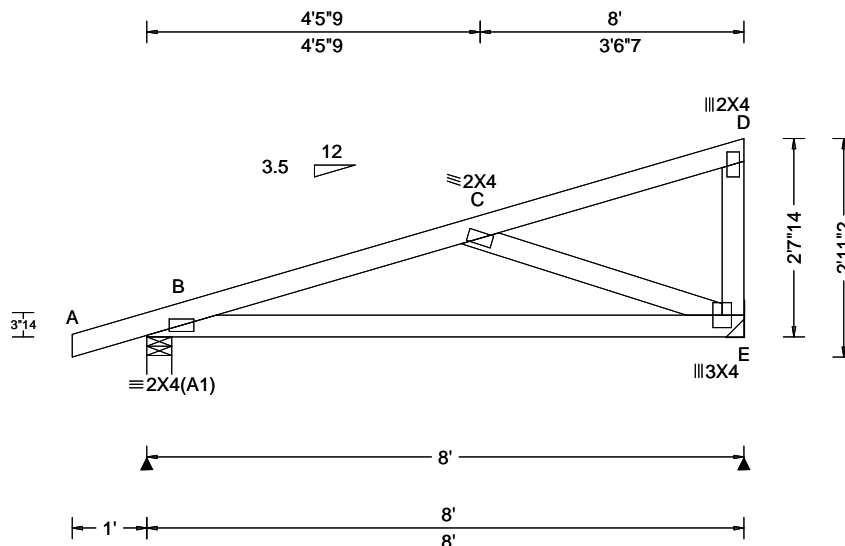
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SEQN: 629920 FROM: CDM	EJAC Ply: 1 Qty: 16	Job Number: 21-5836 Snipes Res Truss Label: J11	Cust: R 215 JRRef: 1X7P2150012 T28 DrwNo: 218.21.1042.03453 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.016 E 999 240 VERT(CL): 0.044 E 999 180 HORZ(LL): 0.005 E - - HORZ(TL): 0.014 E - - Creep Factor: 2.0 Max TC CSI: 0.323 Max BC CSI: 0.513 Max Web CSI: 0.165 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 400 -/- /- /223 -/- /52 E 312 -/- /- /178 /7 -/ Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 E Brg Width = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 162 -496

#### Lumber

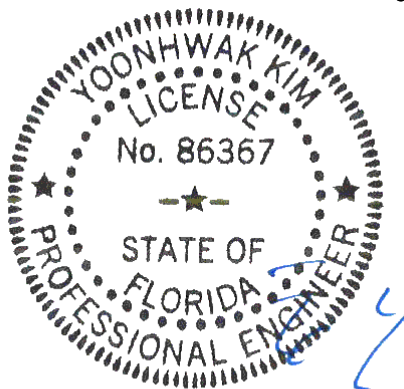
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

#### Wind

Wind loads based on MWFRS with additional C&C member design.  
Right end vertical not exposed to wind pressure.  
Wind loading based on both gable and hip roof types.

#### Additional Notes

The overall height of this truss excluding overhang is 2'-7-14".



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08/06/2021

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

Chords	Tens.Comp.
B - E	461 -222

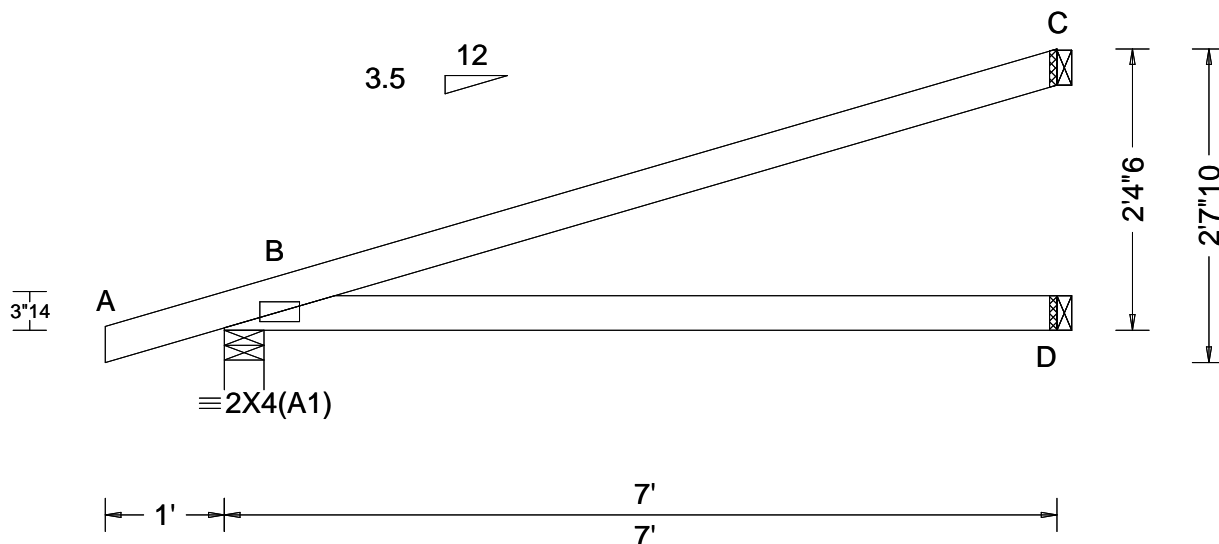
#### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.
C - E	238 -478

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SEQN: 629935 FROM: CDM	JACK Qty: 2	Ply: 1 Qty: 2	Job Number: 21-5836 Snipes Res Truss Label: J12	Cust: R 215 JRRef: 1X7P2150012 T31 DrwNo: 218.21.1042.05103 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.047 D 999 240 VERT(CL): 0.092 D 892 180 HORZ(LL): 0.016 D - - HORZ(TL): 0.032 D - - Creep Factor: 2.0 Max TC CSI: 0.692 Max BC CSI: 0.496 Max Web CSI: 0.000 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 360 - / - / 201 - / 46 D 127 - / - / 70 - / - C 184 - / - / 84 / 29 - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

#### Lumber

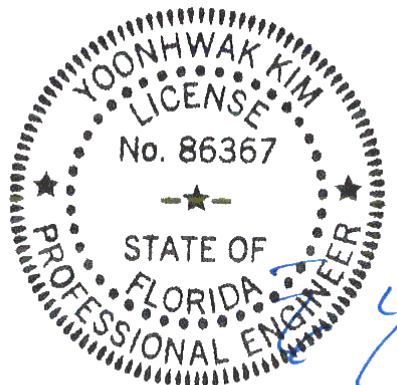
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 2-4-6.



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08/06/2021

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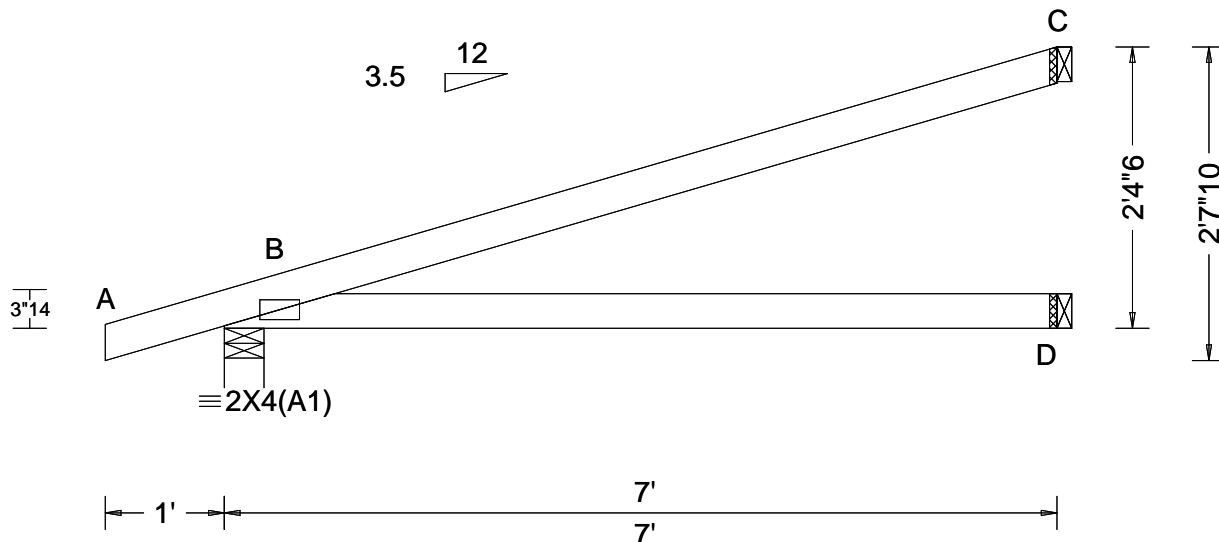
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SEQN: 629930 FROM: CDM	JACK Qty: 2	Ply: 1 Qty: 2	Job Number: 21-5836 Snipes Res Truss Label: J13	Cust: R 215 JRRef: 1X7P2150012 T42 DrwNo: 218.21.1042.06430 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.016 D - - HORZ(TL): 0.032 D - - Creep Factor: 2.0 Max TC CSI: 0.692 Max BC CSI: 0.496 Max Web CSI: 0.000 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 360 - / - / 201 - / 46 D 127 - / - / 70 - / - C 184 - / - / 84 / 29 - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

#### Lumber

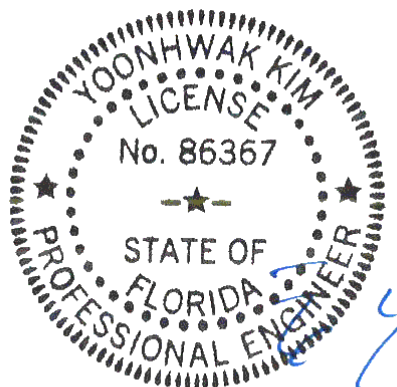
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 2-4-6.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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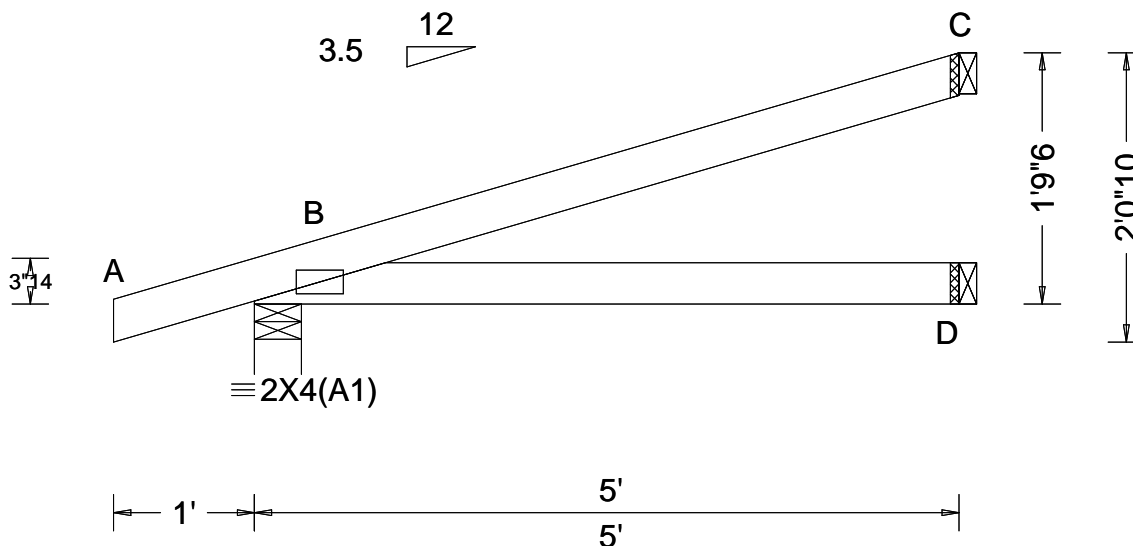
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing,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

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6750 Forum Drive  
Suite 305  
Orlando FL, 32821

SEQN: 629928 FROM: CDM	JACK Ply: 1 Qty: 2	Job Number: 21-5836 Snipes Res Truss Label: J14	Cust: R 215 JRef: 1X7P2150012 T43 DrwNo: 218.21.1042.07850 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B 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 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.005 D - - HORZ(TL): 0.011 D - - Creep Factor: 2.0 Max TC CSI: 0.308 Max BC CSI: 0.226 Max Web CSI: 0.000 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 282 /- /- /157 /2 /34 D 89 /- /- /49 /- /- C 127 /- /- /58 /20 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

#### Lumber

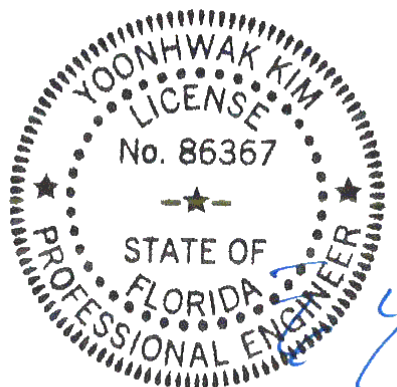
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 1-9-6.



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08/06/2021

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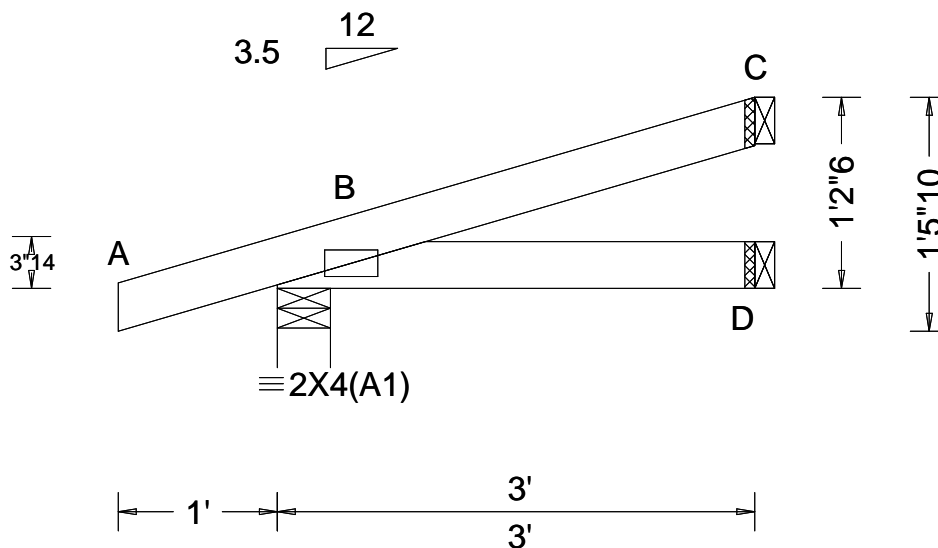
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6750 Forum Drive  
Suite 305  
Orlando FL, 32821

SEQN: 629926 FROM: CDM	JACK Ply: 1 Qty: 2	Job Number: 21-5836 Snipes Res Truss Label: J15	Cust: R 215 JRef: 1X7P2150012 T44 DrwNo: 218.21.1042.09877 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 D - - HORZ(TL): 0.002 D - - Creep Factor: 2.0 Max TC CSI: 0.078 Max BC CSI: 0.069 Max Web CSI: 0.000 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 207 /- /- /116 /9 /22 D 50 /- /- /27 /- /- C 68 /- /- /31 /11 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

#### Lumber

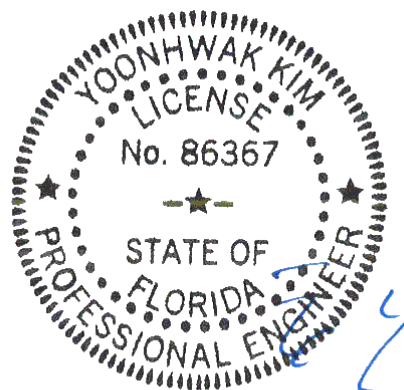
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 1'-2-6.



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08/06/2021

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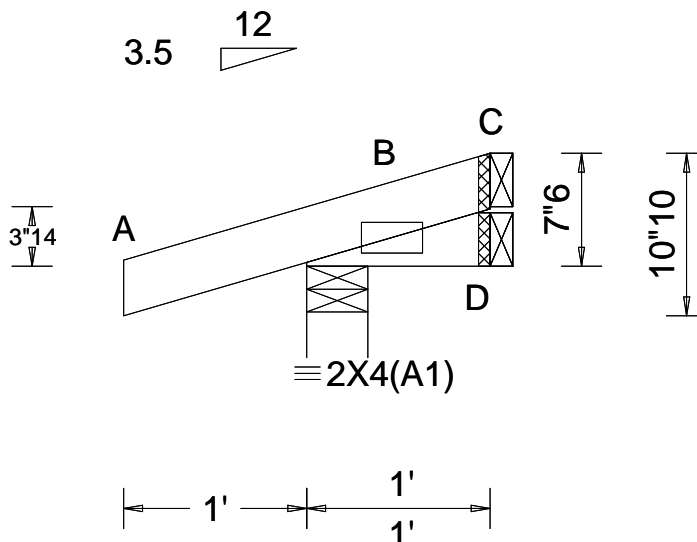
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AN ITW COMPANY  
6750 Forum Drive  
Suite 305  
Orlando FL, 32821



SEQN: 629924 FROM: CDM	JACK Ply: 1 Qty: 2	Job Number: 21-5836 Snipes Res Truss Label: J16	Cust: R 215 JRef: 1X7P2150012 T45 DrwNo: 218.21.1042.11210 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B 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 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 C - - HORZ(TL): 0.000 C - - Creep Factor: 2.0 Max TC CSI: 0.072 Max BC CSI: 0.010 Max Web CSI: 0.000  VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 161 /- /- /90 /23 /12 D 10 /-1 /- /7 /2 /- C - /-15 /- /9 /10 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

#### Lumber

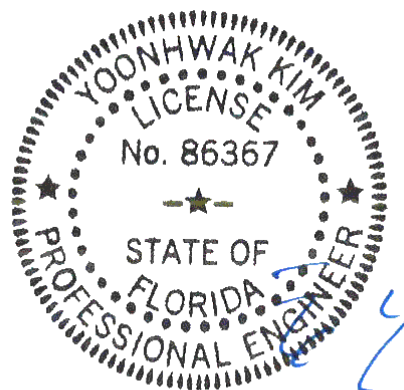
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 0'-7-6.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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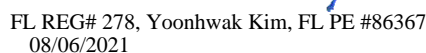
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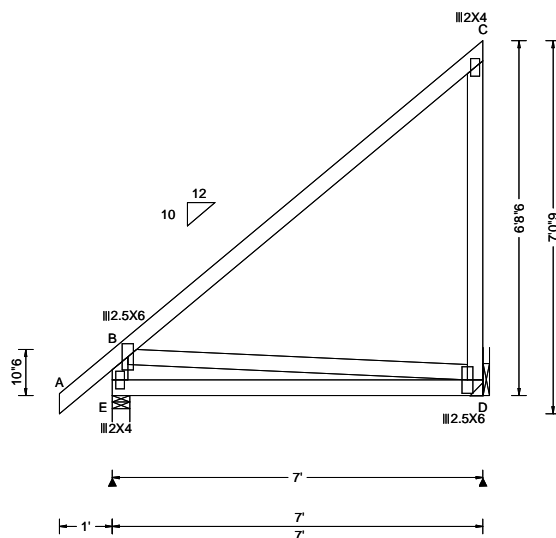
<b>Lumber</b> Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;	<b>Maximum Bot Chord Forces Per Ply (lbs)</b> Chords    Tens.Comp.
	B - E                      486    - 222
<b>Wind</b> Wind loads based on MWFRS with additional C&C member design. Right end vertical not exposed to wind pressure. Wind loading based on both gable and hip roof types.	<b>Maximum Web Forces Per Ply (lbs)</b> Webs        Tens.Comp.
<b>Additional Notes</b> The overall height of this truss excluding overhang is 2-9-1.	C - E                      238    - 504



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6750 Forum Drive  
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SEQN: 630884 FROM: CDM	SPEC Ply: 1 Qty: 15	Job Number: 21-5836 Snipes Res Truss Label: J18	Cust: R 215 JRef: 1X7P2150012 T21 DrwNo: 218.21.1042.14860 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B 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 7th Ed. 2020 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 999 240 VERT(CL): 0.002 C 999 180 HORZ(LL): -0.003 C - - HORZ(TL): 0.006 C - - Creep Factor: 2.0 Max TC CSI: 0.911 Max BC CSI: 0.585 Max Web CSI: 0.324 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 377 /- /- /216 /- /131 D 296 /- /- /224 /50 /- Wind reactions based on MWFRS E Brg Width = 4.0 Min Req = 1.5 D Brg Width = - Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375#

#### Lumber

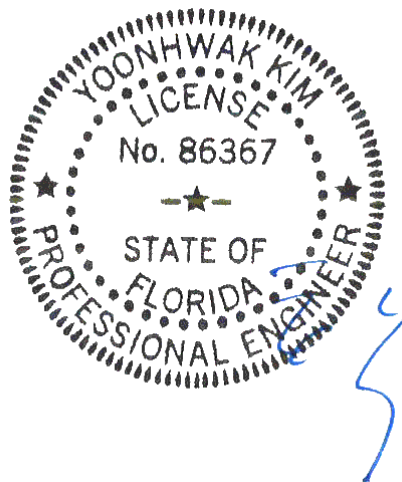
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

#### Wind

Wind loads based on MWFRS with additional C&C member design.  
End verticals not exposed to wind pressure.  
Wind loading based on both gable and hip roof types.

#### Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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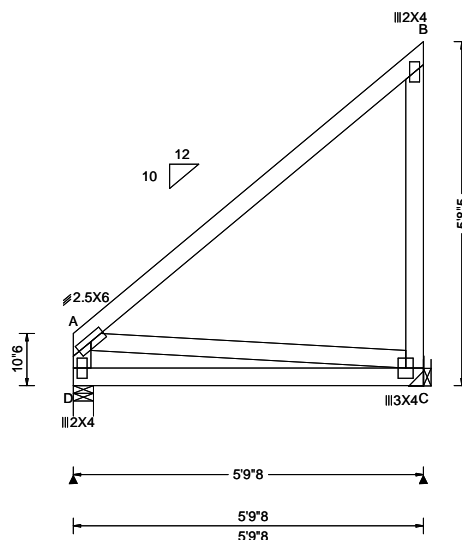
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SEQN: 630857 FROM: CDM	MONO Ply: 1 Qty: 4	Job Number: 21-5836 Snipes Res Truss Label: J19	Cust: R 215 JRef: 1X7P2150012 T9 DrwNo: 218.21.1042.16873 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B 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 7th Ed. 2020 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 999 240 VERT(CL): 0.002 B 999 180 HORZ(LL): 0.002 B - - HORZ(TL): 0.004 B - - Creep Factor: 2.0 Max TC CSI: 0.636 Max BC CSI: 0.397 Max Web CSI: 0.210 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D 249 - / - / 137 - / 71 C 249 - / - / 188 / 13 - Wind reactions based on MWFRS D Brg Width = 4.0 Min Req = 1.5 C Brg Width = - Min Req = - Bearing D 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

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=5'6"8 uses the following support conditions: 5'6"8

Bearing C (5'6"8, 9'1"2) LUS26

Supporting Member: (1)2x6 SP 2400F-2.0E

(4) 0.148"x3" nails into supporting member,

(3) 0.148"x3" nails into supported member.

#### Additional Notes

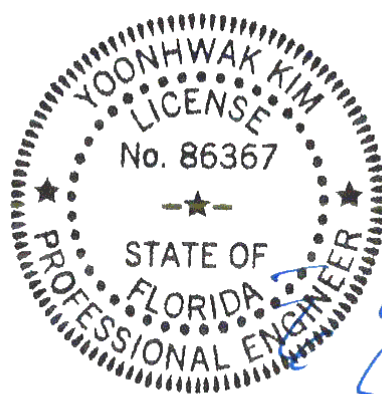
The overall height of this truss excluding overhang is 5-8-5.

#### Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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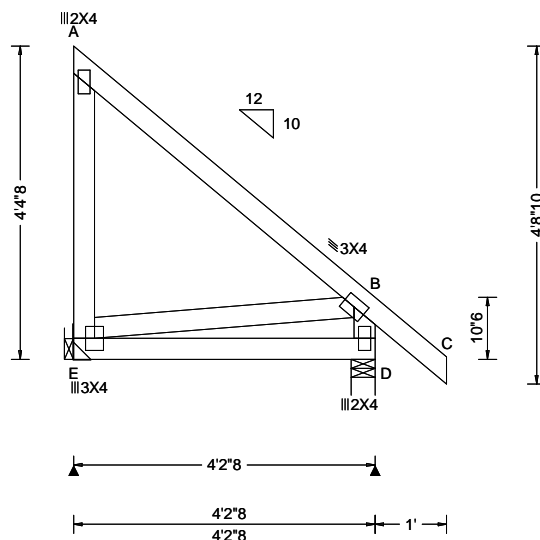
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**ALPINE**  
AN ITW COMPANY  
6750 Forum Drive  
Suite 305  
Orlando FL, 32821

SEQN: 630855 FROM: CDM	MONO Ply: 1 Qty: 4	Job Number: 21-5836 Snipes Res Truss Label: J20	Cust: R 215 JRef: 1X7P2150012 T6 DrwNo: 218.21.1042.19550 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B 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 7th Ed. 2020 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 A 999 240 VERT(CL): 0.001 A 999 180 HORZ(LL): 0.000 A - - HORZ(TL): 0.001 A - - Creep Factor: 2.0 Max TC CSI: 0.292 Max BC CSI: 0.200 Max Web CSI: 0.066 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 173 -/- /134 /12 /64 D 261 -/- /138 -/- Wind reactions based on MWFRS E Brg Width = - Min Req = - D Brg Width = 4.0 Min Req = 1.5 Bearing D 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

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' ,y=9'1"2 uses the following support conditions: 0'

Bearing E (0', 9'1"2) LUS26

Supporting Member: (1)2x6 SP 2400f-2.0E

(4) 0.148"x3" nails into supporting member,

(3) 0.148"x3" nails into supported member.

#### Additional Notes

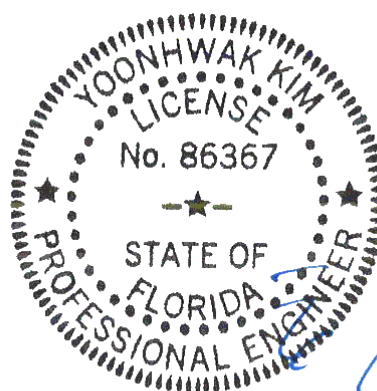
The overall height of this truss excluding overhang is 4'-4-8.

#### Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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

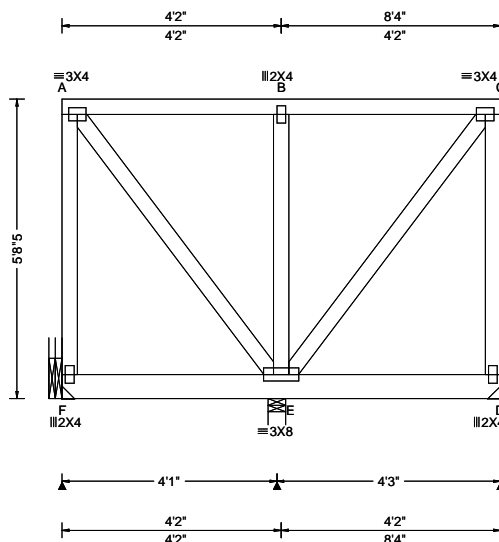
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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**ALPINE**  
AN ITW COMPANY  
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Suite 305  
Orlando FL, 32821

SEQN: 387781 FROM: CDM Page 1 of 2	FLAT Ply: 1 Qty: 1	Job Number: 21-5836 Snipes Res Truss Label: K01	Cust: R 215 JRRef: 1X7P2150012 T48 DrwNo: 218.21.1042.26423 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B 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 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 7th Ed. 2020 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 B 999 240 VERT(CL): 0.001 B 999 180 HORZ(LL): 0.000 C - - HORZ(TL): 0.000 C - - Creep Factor: 2.0 Max TC CSI: 0.169 Max BC CSI: 0.107 Max Web CSI: 0.084 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL F 354 -/- /- /13 -/ E 854 -/- /- /38 -/ D 140 -/- /- /2 -/ Wind reactions based on MWFRS F Brg Width = - Min Req = - E Brg Width = 4.0 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: 2x6 SP 2400f-2.0E;  
Webs: 2x4 SP #3;

#### Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 30 plf at 0.00 to 30 plf at 8.33  
BC: From 10 plf at 0.00 to 10 plf at 8.33  
BC: 249 lb Conc. Load at 0.27, 2.27, 4.27, 6.27

#### Purlins

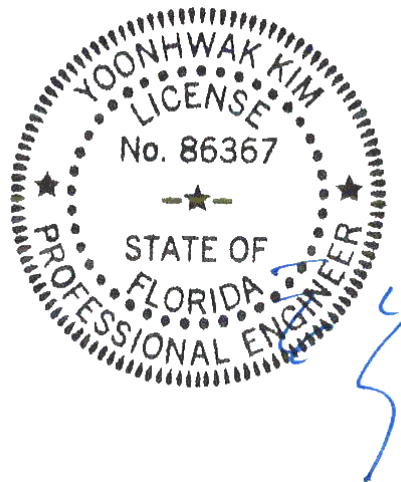
The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

#### Wind

Wind loads and reactions based on MWFRS.  
End verticals not exposed to wind pressure.

#### Additional Notes

Truss must be installed as shown with top chord up.  
The overall height of this truss excluding overhang is 5'-8-5/8".



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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6750 Forum Drive  
Suite 305  
Orlando FL, 32821



SEQN: 387781	FLAT	Ply: 1	Job Number: 21-5836	Cust: R 215 JRef: 1X7P2150012 T48
FROM: CDM		Qty: 1	Snipes Res	DrwNo: 218.21.1042.26423
Page 2 of 2			Truss Label: K01	/ YK 08/06/2021

#### Hangers / Ties

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

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

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  $x=0'$ ,  $y=9'1"2$  uses the following support conditions: 0'

Bearing F (0', 9'1"2) LUS26

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

(4) 0.148"x3" nails into supporting member,

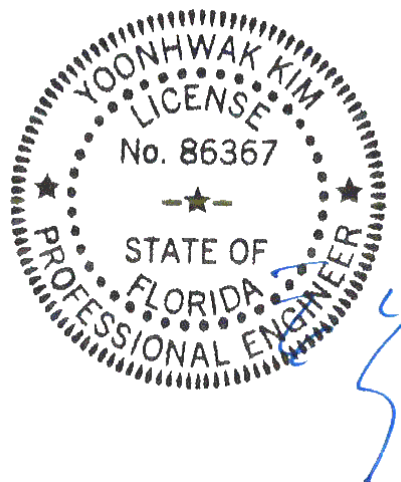
(3) 0.148"x3" nails into supported member.

Bearing D (8'1", 9'1"2) LUS26

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

(4) 0.148"x3" nails into supporting member,

(3) 0.148"x3" nails into supported member.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

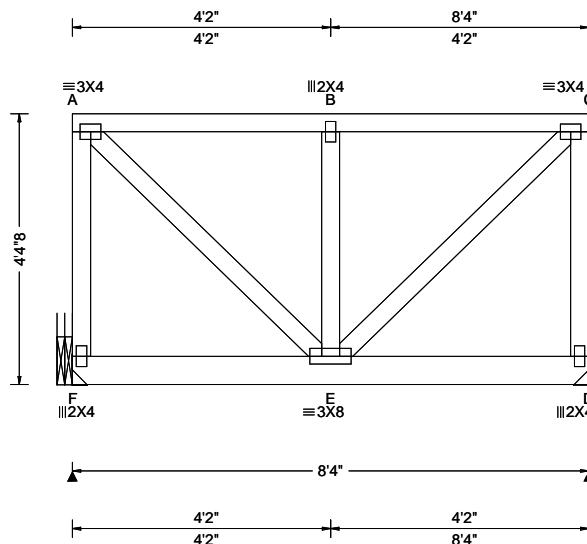
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**ALPINE**  
AN ITW COMPANY  
6750 Forum Drive  
Suite 305  
Orlando FL, 32821



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity						
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.006 B 999 240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.012 B 999 180	F	586	/-	/-	/-	/30	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 A - -	D	438	/-	/-	/-	/19	/-
	EXP: B Kzt: NA		HORZ(TL): 0.002 A - -	Wind reactions based on MWFRS						
Des Ld: 40.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	F	Brg Width = -		Min Req = -			
NCBCLL: 10.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.119	D	Brg Width = -		Min Req = -			
Soffit: 2.00	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.070	Members not listed have forces less than 375#						
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Varies by Ld Case	Max Web CSI: 0.167	<b>Maximum Web Forces Per Ply (lbs)</b>						
Spacing: 24.0 "	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Webs	Tens.Comp.		Webs	Tens. Comp.		
	Loc. from endwall: Any	Plate Type(s):		A - E	437	-21	E - C	438	-21	
	GCpi: 0.18	WAVE	VIEW Ver: 21.01.01A.0521.20							
	Wind Duration: 1.60									

#### 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 30 plf at 0.00 to 30 plf at 8.33  
BC: From 10 plf at 0.00 to 10 plf at 8.33  
BC: 173 lb Conc. Load at 0.27, 2.27, 4.27, 6.27

#### Purlins

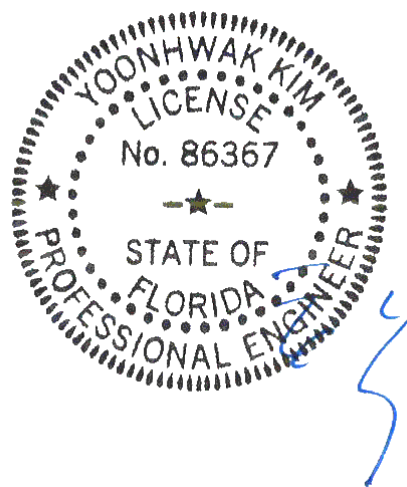
The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

#### Wind

Wind loads and reactions based on MWFRS.  
End verticals not exposed to wind pressure.

#### Additional Notes

Truss must be installed as shown with top chord up.  
The overall height of this truss excluding overhang is 4'-4-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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SEQN: 630862	FLAT	Ply: 1	Job Number: 21-5836	Cust: R 215 JRef: 1X7P2150012 T18
FROM: CDM		Qty: 1	Snipes Res	DrwNo: 218.21.1042.29627
Page 2 of 2			Truss Label: K02	/ YK 08/06/2021

#### Hangers / Ties

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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'

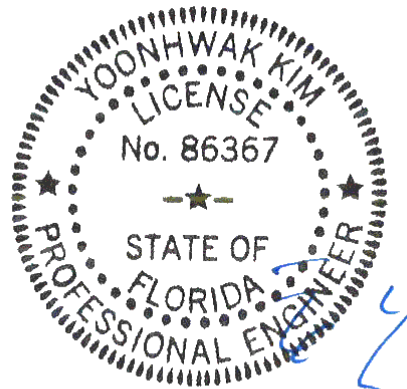
Bearing F (0', 9'1"2) LUS26

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

(4) 0.148"x3" nails into supporting member,

(3) 0.148"x3" nails into supported member.

(J) Hanger Support Required, by others



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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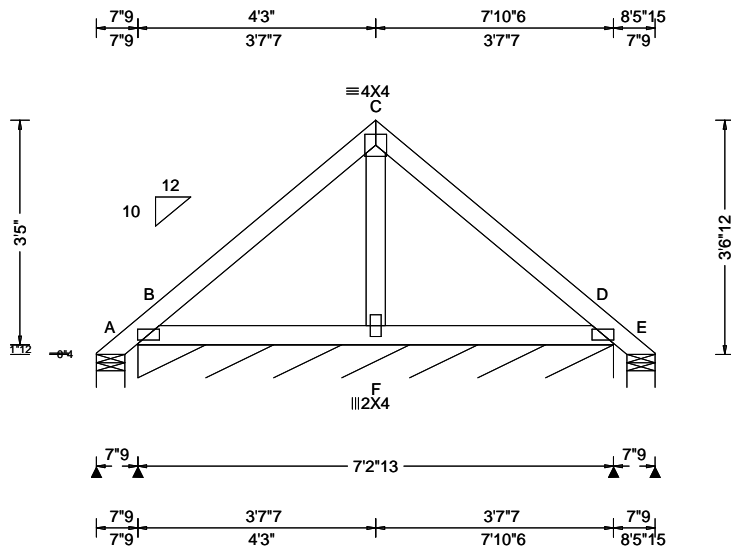
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6750 Forum Drive  
Suite 305  
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SEQN: 629850 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 21-5836 Snipes Res Truss Label: PB01	Cust: R 215 JRRef: 1X7P2150012 T2 DrwNo: 218.21.1042.30713 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 21.54 ft TCDL: 5.0 psf BCDL: 2.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.000 F 999 240 VERT(CL): 0.001 F 999 180 HORZ(LL): 0.001 F - - HORZ(TL): 0.001 F - - Creep Factor: 2.0 Max TC CSI: 0.147 Max BC CSI: 0.057 Max Web CSI: 0.021 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A - /-84 /- /66 /109 /62 B* 100 /- /- /68 /23 /- E - /-84 /- /43 /68 /- Wind reactions based on MWFRS A Brg Width = 5.2 Min Req = 1.5 B Brg Width = 86.8 Min Req = - E Brg Width = 5.2 Min Req = 1.5 Bearings A, B, & E are a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

#### Plating Notes

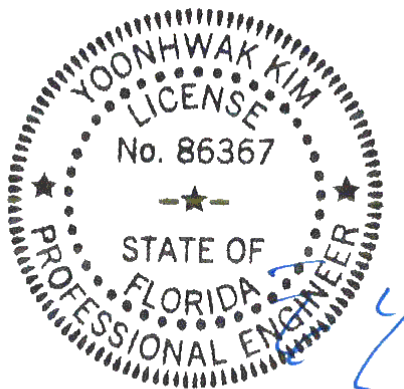
All plates are 2X4(A1) except as noted.

#### Wind

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

#### Additional Notes

Refer to DWG PB160160118 for piggyback details.  
The overall height of this truss excluding overhang is 3-6-12.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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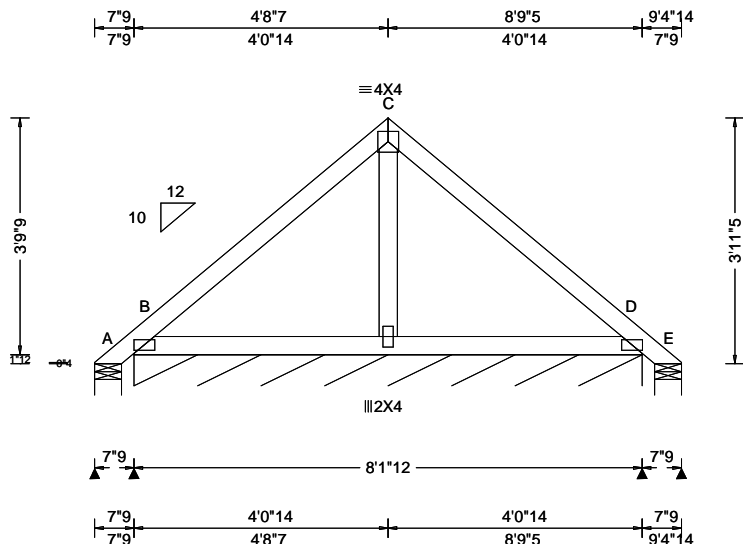
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**ALPINE**  
AN ITW COMPANY  
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SEQN: 629852 FROM: CDM	GABL Ply: 1 Qty: 4	Job Number: 21-5836 Snipes Res Truss Label: PB02	Cust: R 215 JRRef: 1X7P2150012 T10 DrwNo: 218.21.1042.34443 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 16.41 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 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 7th Ed. 2020 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 F 999 240 VERT(CL): 0.001 F 999 180 HORZ(LL): -0.001 F - - HORZ(TL): 0.001 F - - Creep Factor: 2.0 Max TC CSI: 0.192 Max BC CSI: 0.073 Max Web CSI: 0.026 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A - /-114 /- /74 /133 /67 B* 105 /- /- /72 /15 /- E - /-114 /- /44 /89 /- Wind reactions based on MWFRS A Brg Width = 5.2 Min Req = 1.5 B Brg Width = 97.8 Min Req = - E Brg Width = 5.2 Min Req = 1.5 Bearings A, B, & E are a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

#### Plating Notes

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

#### Loading

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.

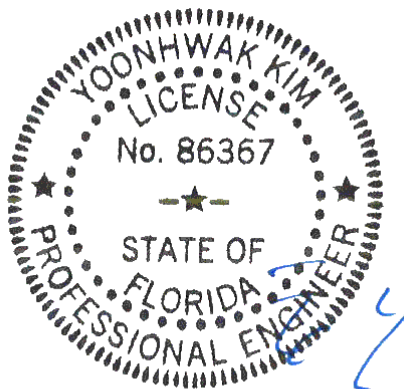
Wind loading based on both gable and hip roof types.

#### Additional Notes

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.

The overall height of this truss excluding overhang is 3-11-5.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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

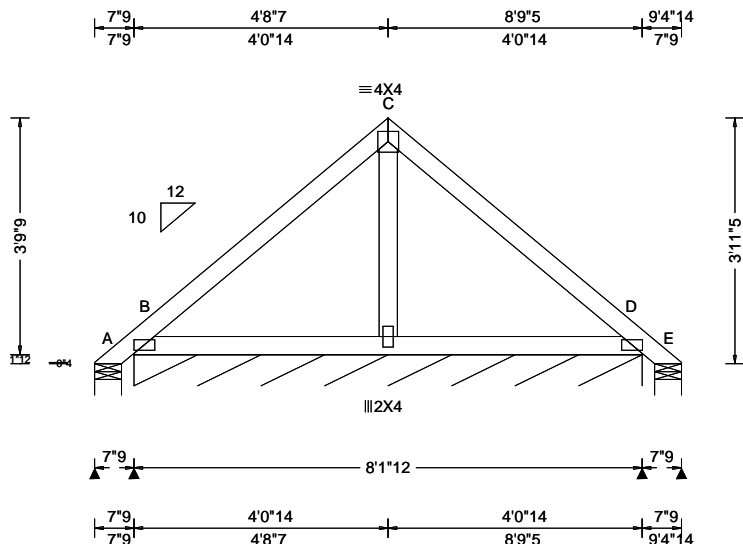
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**ALPINE**  
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SEQN: 629914 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 21-5836 Snipes Res Truss Label: PB03	Cust: R 215 JRRef: 1X7P2150012 T30 DrwNo: 218.21.1042.36210 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 16.41 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 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 7th Ed. 2020 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 F 999 240 VERT(CL): 0.001 F 999 180 HORZ(LL): -0.001 F - - HORZ(TL): 0.001 F - - Creep Factor: 2.0 Max TC CSI: 0.192 Max BC CSI: 0.073 Max Web CSI: 0.026 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A - /-114 /- /74 /133 /67 B* 105 /- /- /72 /15 /- E - /-114 /- /44 /89 /- Wind reactions based on MWFRS A Brg Width = 5.2 Min Req = 1.5 B Brg Width = 97.8 Min Req = - E Brg Width = 5.2 Min Req = 1.5 Bearings A, B, & E are a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

#### Plating Notes

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

#### Loading

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

#### Wind

Wind loads based on MWFRS.

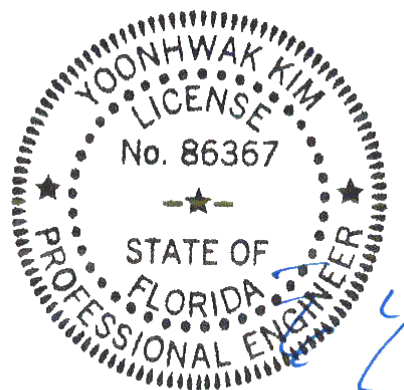
Wind loading based on both gable and hip roof types.

#### Additional Notes

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.

The overall height of this truss excluding overhang is 3-11-5.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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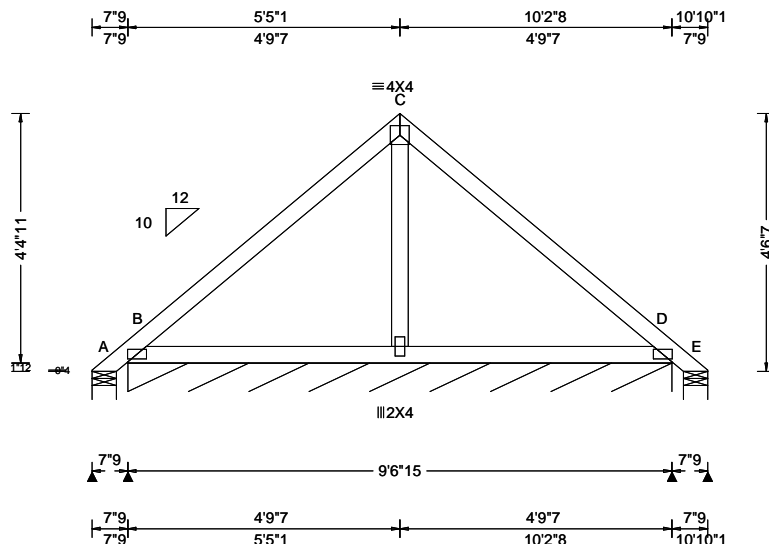
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**ALPINE**  
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SEQN: 629912 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 21-5836 Snipes Res Truss Label: PB04	Cust: R 215 JRRef: 1X7P2150012 T24 DrwNo: 218.21.1042.38597 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 17.96 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 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 7th Ed. 2020 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 F 999 240 VERT(CL): 0.002 F 999 180 HORZ(LL): -0.001 F - - HORZ(TL): 0.002 F - - Creep Factor: 2.0 Max TC CSI: 0.278 Max BC CSI: 0.103 Max Web CSI: 0.035 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A - /-178 /- /97 /192 /79 B* 113 /- /- /76 /21 /- E - /-178 /- /72 /141 /- Wind reactions based on MWFRS A Brg Width = 5.2 Min Req = 1.5 B Brg Width = 114 Min Req = - E Brg Width = 5.2 Min Req = 1.5 Bearings A, B, & E are a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

#### Plating Notes

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

#### Loading

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.

Wind loading based on both gable and hip roof types.

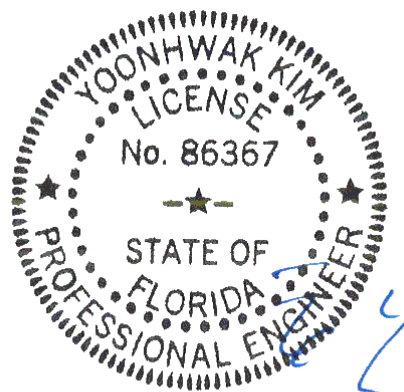
#### Additional Notes

Negative reaction(s) of -178# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.

The overall height of this truss excluding overhang is 4'-6".



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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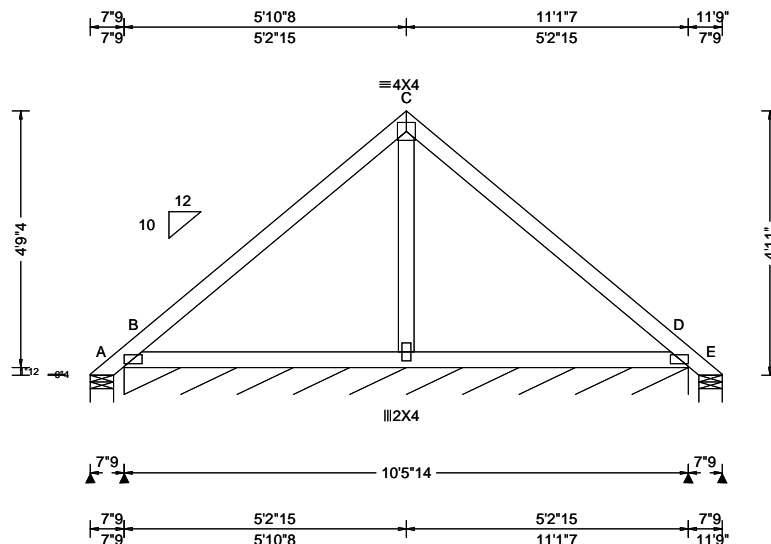
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**ALPINE**  
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SEQN: 629910 FROM: CDM	GABL Ply: 1 Qty: 18	Job Number: 21-5836 Snipes Res Truss Label: PB05	Cust: R 215 JRRef: 1X7P2150012 T3 DrwNo: 218.21.1042.40777 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 18.34 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 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 7th Ed. 2020 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 F 999 240 VERT(CL): 0.002 F 999 180 HORZ(LL): -0.002 F - - HORZ(TL): 0.003 F - - Creep Factor: 2.0 Max TC CSI: 0.343 Max BC CSI: 0.137 Max Web CSI: 0.042 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL A - /-226 /- /112 /237 /86 B* 119 /- /- /82 /4 /- E - /-226 /- /56 /181 /- Wind reactions based on MWFRS A Brg Width = 5.2 Min Req = 1.5 B Brg Width = 125 Min Req = - E Brg Width = 5.2 Min Req = 1.5 Bearings A, B, & E are a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

#### Plating Notes

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

#### Loading

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.

Wind loading based on both gable and hip roof types.

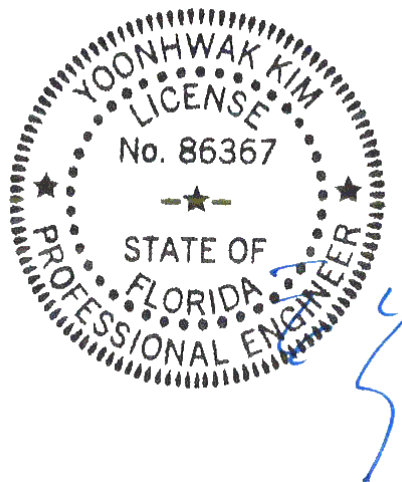
#### Additional Notes

Negative reaction(s) of -226# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.

The overall height of this truss excluding overhang is 4-11-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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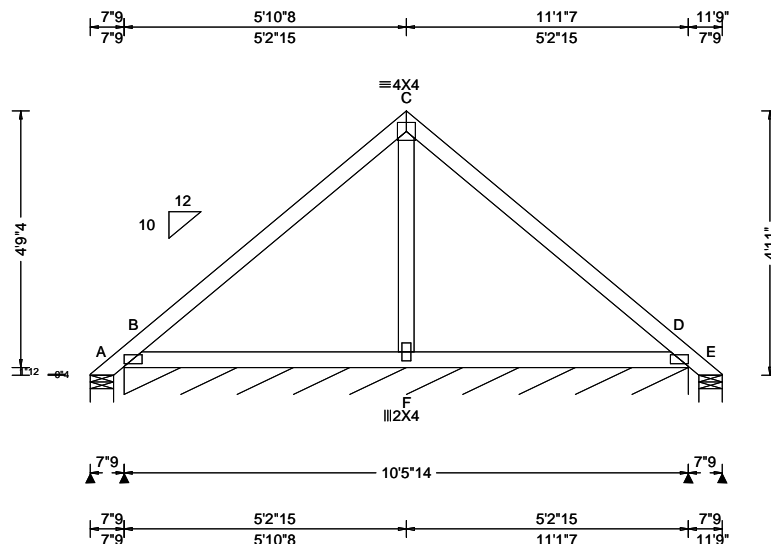
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SEQN: 630053 FROM: CDM	COMN Ply: 1 Qty: 3	Job Number: 21-5836 Snipes Res Truss Label: PB06	Cust: R 215 JRRef: 1X7P2150012 T7 DrwNo: 218.21.1042.43060 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 22.56 ft TCDL: 5.0 psf BCDL: 2.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 F 999 240 VERT(CL): 0.002 F 999 180 HORZ(LL): -0.002 F - - HORZ(TL): 0.003 F - - Creep Factor: 2.0 Max TC CSI: 0.343 Max BC CSI: 0.124 Max Web CSI: 0.043 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A - /-226 /- /112 /235 /86 B* 119 /- /- /79 /24 /- E - /-226 /- /93 /179 /- Wind reactions based on MWFRS A Brg Width = 5.2 Min Req = 1.5 B Brg Width = 125 Min Req = - E Brg Width = 5.2 Min Req = 1.5 Bearings A, B, & E are a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

#### Plating Notes

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

#### Wind

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

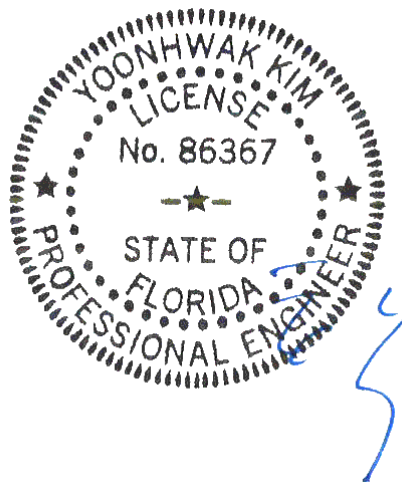
Wind loading based on both gable and hip roof types.

#### Additional Notes

Negative reaction(s) of -226# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

Refer to DWG PB160160118 for piggyback details.

The overall height of this truss excluding overhang is 4-11-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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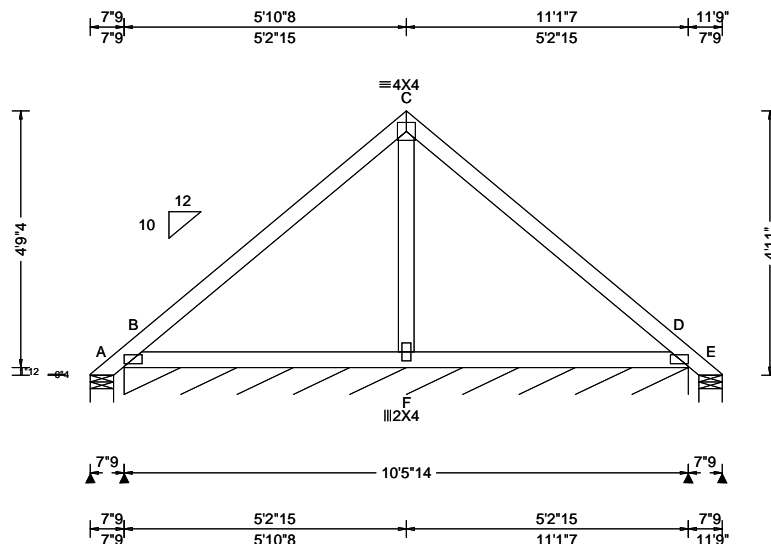
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6750 Forum Drive  
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SEQN: 630914 FROM: CDM	COMN Ply: 1 Qty: 3	Job Number: 21-5836 Snipes Res Truss Label: PB07	Cust: R 215 JRRef: 1X7P2150012 T20 DrwNo: 218.21.1042.45227 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 22.56 ft TCDL: 5.0 psf BCDL: 2.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 F 999 240 VERT(CL): 0.002 F 999 180 HORZ(LL): -0.002 F - - HORZ(TL): 0.003 F - - Creep Factor: 2.0 Max TC CSI: 0.343 Max BC CSI: 0.124 Max Web CSI: 0.043  VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A - /-226 /- /112 /235 /86 B* 119 /- /- /79 /24 /- E - /-226 /- /93 /179 /- Wind reactions based on MWFRS A Brg Width = 5.2 Min Req = 1.5 B Brg Width = 125 Min Req = - E Brg Width = 5.2 Min Req = 1.5 Bearings A, B, & E are a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

#### Plating Notes

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

#### Wind

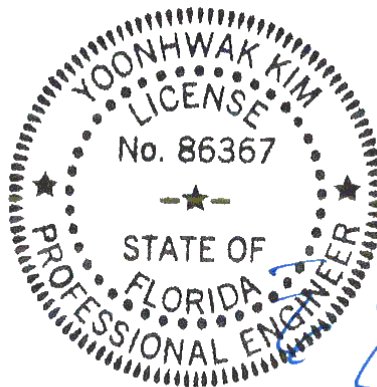
Wind loads based on MWFRS with additional C&C member design.  
Wind loading based on both gable and hip roof types.

#### Additional Notes

Negative reaction(s) of -226# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

Refer to DWG PB160160118 for piggyback details.

The overall height of this truss excluding overhang is 4-11-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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

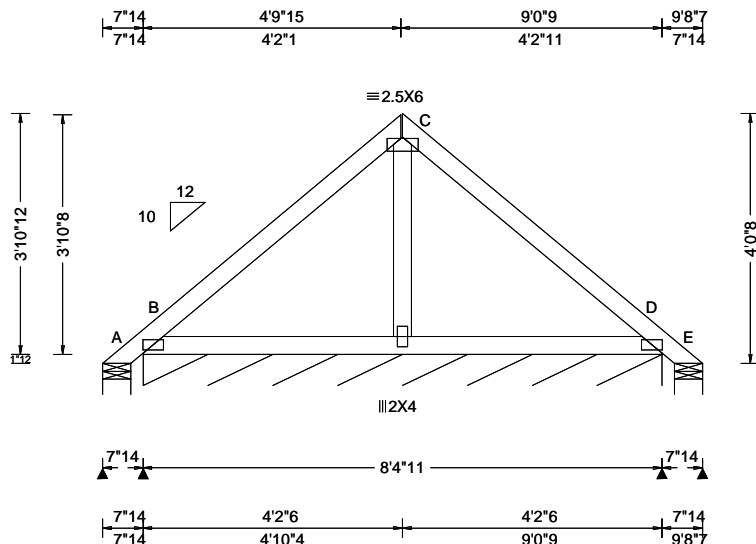
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**ALPINE**  
AN ITW COMPANY  
6750 Forum Drive  
Suite 305  
Orlando FL, 32821

SEQN: 630907 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 21-5836 Snipes Res Truss Label: PB08	Cust: R 215 JRef: 1X7P2150012 T22 DrwNo: 218.21.1042.50097 / YK 08/06/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 22.49 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 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 7th Ed. 2020 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 999 240 VERT(CL): 0.001 C 999 180 HORZ(LL): 0.001 F - - HORZ(TL): 0.001 F - - Creep Factor: 2.0 Max TC CSI: 0.188 Max BC CSI: 0.076 Max Web CSI: 0.045 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A - /-69 /- /85 /121 /72 B* 94 /- /- /66 /20 /- E - /-71 /- /39 /74 /- Wind reactions based on MWFRS A Brg Width = 5.5 Min Req = 1.5 B Brg Width = 100 Min Req = - E Brg Width = 5.5 Min Req = 1.5 Bearings A, B, & E are a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

#### Plating Notes

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

#### Loading

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.

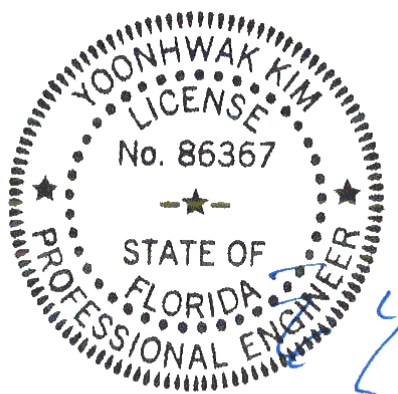
Wind loading based on both gable and hip roof types.

#### Additional Notes

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367  
08/06/2021

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



# Gable Stud Reinforcement Detail

ASCE 7-16: 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

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

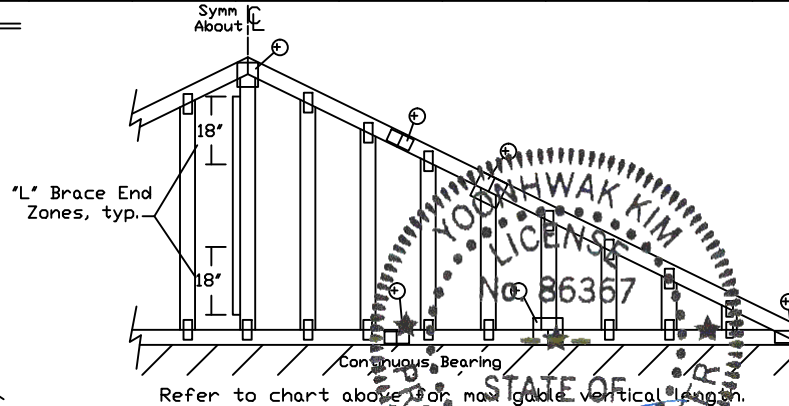
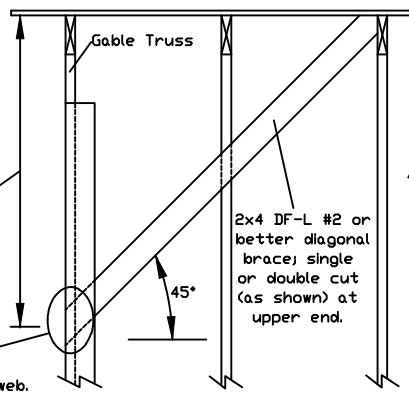
Or: 100 mph Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00

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' 10"	8' 2"	8' 6"	9' 8"	10' 1"	11' 6"	12' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			#3	4' 7"	7' 9"	8' 3"	9' 7"	9' 11"	11' 5"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"
			Stud	4' 7"	7' 8"	8' 2"	9' 7"	9' 11"	11' 5"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	#1	4' 7"	6' 7"	7' 0"	8' 10"	9' 5"	11' 5"	11' 10"	13' 10"	14' 0"	14' 0"	14' 0"
			#2	5' 0"	8' 4"	8' 7"	9' 10"	10' 2"	11' 8"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
			#3	4' 10"	8' 2"	8' 6"	9' 8"	10' 1"	11' 6"	12' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	DFL	#1	4' 8"	7' 0"	7' 5"	9' 3"	9' 11"	11' 5"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"
			Stud	4' 7"	6' 2"	6' 7"	8' 2"	8' 9"	11' 1"	11' 10"	13' 9"	14' 0"	14' 0"	14' 0"
			Standard	4' 7"	6' 2"	6' 7"	8' 2"	8' 9"	11' 1"	11' 10"	13' 9"	14' 0"	14' 0"	14' 0"
		Standard	#1	5' 6"	9' 5"	9' 9"	11' 1"	11' 6"	13' 2"	13' 9"	14' 0"	14' 0"	14' 0"	14' 0"
			#3	5' 3"	9' 3"	9' 9"	10' 11"	11' 4"	13' 0"	13' 7"	14' 0"	14' 0"	14' 0"	14' 0"
			Stud	5' 3"	9' 3"	9' 7"	10' 11"	11' 4"	13' 0"	13' 7"	14' 0"	14' 0"	14' 0"	14' 0"
16" O.C.	SPF	#1 / #2	#1	5' 3"	9' 3"	9' 7"	10' 11"	11' 4"	13' 0"	13' 7"	14' 0"	14' 0"	14' 0"	14' 0"
			#3	5' 3"	9' 3"	9' 7"	10' 11"	11' 4"	13' 0"	13' 7"	14' 0"	14' 0"	14' 0"	14' 0"
			Stud	5' 3"	9' 3"	9' 7"	10' 11"	11' 4"	13' 0"	13' 7"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	#1	5' 3"	8' 1"	8' 7"	10' 10"	11' 4"	13' 0"	13' 7"	14' 0"	14' 0"	14' 0"	14' 0"
			#2	5' 9"	9' 6"	9' 10"	11' 3"	11' 8"	13' 4"	13' 10"	14' 0"	14' 0"	14' 0"	14' 0"
			Stud	5' 3"	8' 1"	8' 7"	10' 10"	11' 4"	13' 0"	13' 7"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	DFL	#1	5' 9"	9' 6"	9' 10"	11' 3"	11' 8"	13' 4"	13' 10"	14' 0"	14' 0"	14' 0"	14' 0"
			#2	5' 6"	9' 5"	9' 9"	11' 1"	11' 6"	13' 2"	13' 9"	14' 0"	14' 0"	14' 0"	14' 0"
			Stud	5' 5"	8' 6"	9' 1"	11' 0"	11' 5"	13' 1"	13' 8"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	#1	5' 3"	7' 6"	8' 0"	10' 0"	10' 9"	13' 0"	13' 7"	14' 0"	14' 0"	14' 0"	14' 0"
			#3	6' 1"	10' 4"	10' 8"	12' 2"	12' 8"	13' 2"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			Stud	5' 9"	10' 2"	10' 7"	12' 0"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
12" O.C.	SPF	#1 / #2	#1	5' 9"	10' 2"	10' 7"	12' 0"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			#3	5' 9"	10' 2"	10' 7"	12' 0"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			Stud	5' 9"	10' 2"	10' 7"	12' 0"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	#1	5' 9"	9' 4"	9' 11"	12' 0"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			#2	6' 4"	10' 6"	10' 10"	12' 4"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			Stud	5' 9"	9' 4"	9' 11"	12' 0"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	DFL	#1	6' 4"	10' 6"	10' 10"	12' 4"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			#2	6' 1"	10' 4"	10' 8"	12' 2"	12' 8"	13' 2"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			Stud	5' 11"	9' 10"	10' 6"	12' 1"	12' 7"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	#1	5' 11"	9' 10"	10' 6"	12' 1"	12' 7"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			#2	5' 11"	9' 10"	10' 6"	12' 1"	12' 7"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			Stud	5' 11"	9' 10"	10' 6"	12' 1"	12' 7"	14' 0"	14' 0"	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 335# 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	Stud	#3	Stud
	Standard		Standard

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

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

\*\*\*For 1x4 So. Pine use only Industrial 55 or Industrial 45 Stress-Rated Boards. Group B values may be used with these grades.

## Gable Truss Detail Notes:

Wind Load deflection criterion is L/240.

Provide uplift connections for 35 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", but less than 11' 6"	2X4
Greater than 11' 6"	3X4

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

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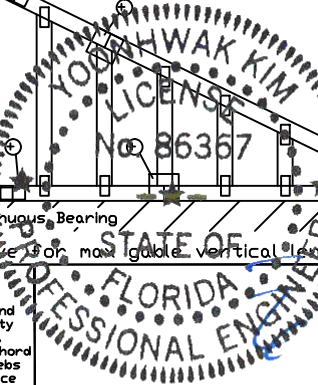
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514 Earth City Expressway  
 Suite 242  
 Earth City, MO 63045



MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF ASCE7-16-GAB12015

DATE 01/26/2018

DRWG A12015ENC160118

PE REG-578, Yoonhwak Kim, FL PE #86367



# 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.

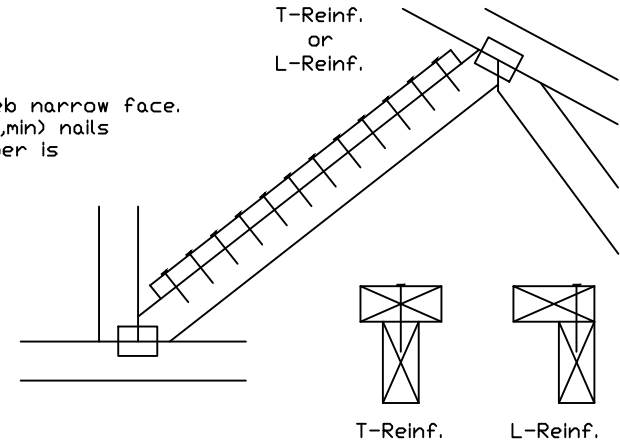
Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf.	Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(X)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(X)

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.

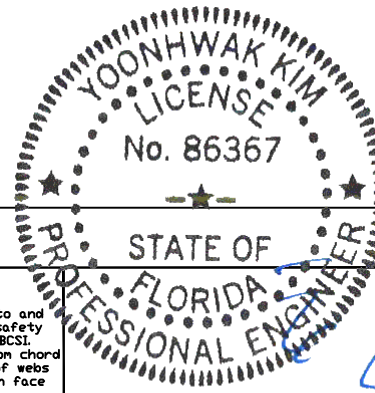
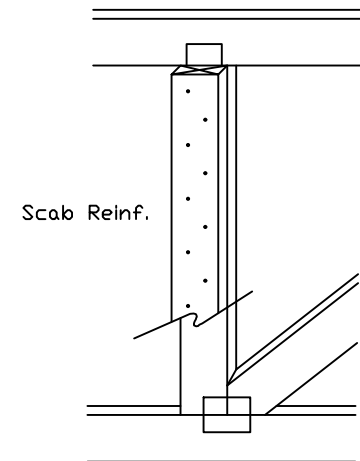
## T-Reinforcement or L-Reinforcement:

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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514 Earth City Expressway  
Suite 242  
Earth City, MO 63045

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			

Yoonhwak Kim, FL PE #86367

# ASCE 7-16: 120 mph, 30' Mean Height, Closed, Exposure C Common Residential Gable End Wind Bracing Requirements - Stiffeners

120 mph, 30ft. Mean Hgt, ASCE 7-16, Enclosed, Exp C, or  
100 mph, 30ft. Mean Hgt, ASCE 7-16, Enclosed, Exp D, or  
100 mph, 30ft. Mean Hgt, ASCE 7-16, Part. Enclosed, Exp C,  
Kzt = 1.00, Wind TC DL=5.0 psf, Wind BC DL=5.0 psf.

Lateral chord bracing requirements  
Top: Continuous roof sheathing  
Bot: Continuous ceiling diaphragm

See Engineer's sealed design referencing this detail  
for lumber, plates, and other information not shown  
on this detail.

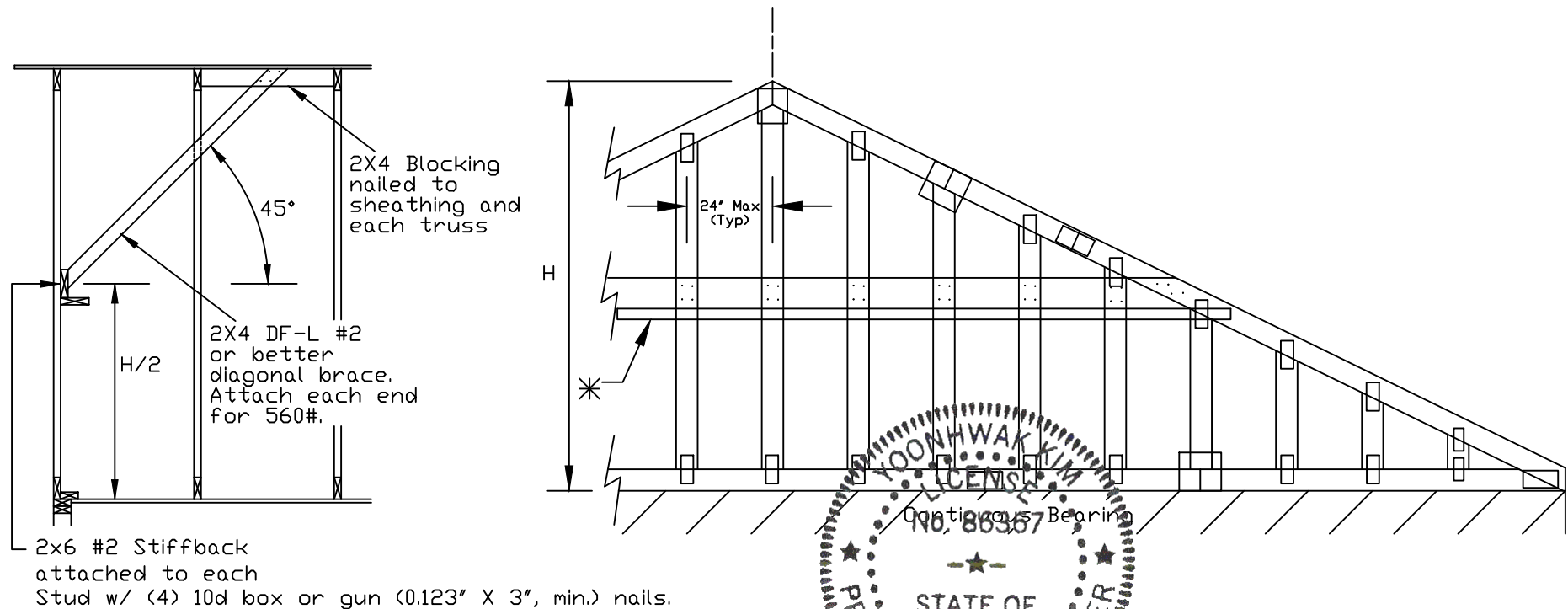
Nails: 10d box or gun (0.128"x3",min) nails.

H Less than 4'6" - no stud bracing required

H Greater than 4'6" to 7'6" in length  
provide a 2x6 stiffback at mid-height and brace stiffback  
to roof diaphragm every 6'0" (see detail below or  
refer to DRWG A12030ENC160118).

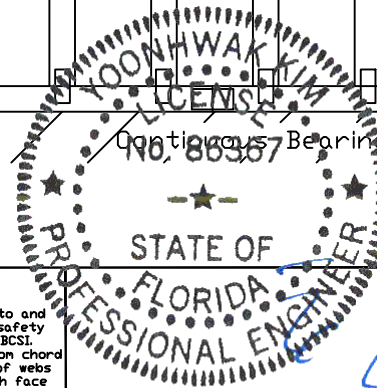
H Greater than 7'6" to 12'0" max:  
provide a 2x6 stiffback at mid-height and brace  
to roof diaphragm every 4'0" (see detail below or  
refer to DRWG A12030ENC160118).

\* Optional 2x L-reinforcement attached  
to stiffback with 10d box or gun  
(0.128" x 3", min.) nails @ 6" o.c.



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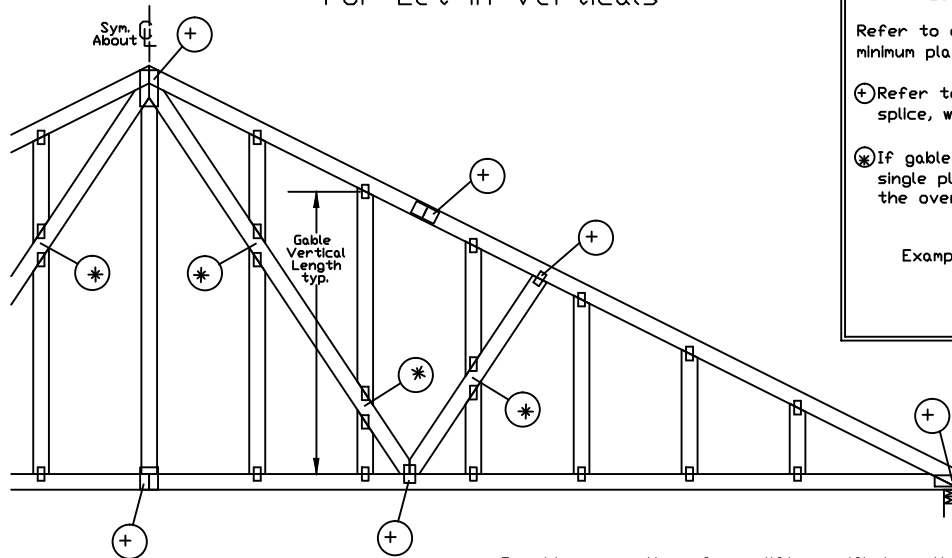
MAX. TOT. LD. 60 PSF

MAX. SPACING

REF GE WHALER  
DATE 01/02/2018  
DRWG GABRST160118

Yoonhwak Kim, FL PE #86367

# Gable Detail For Let-in Verticals

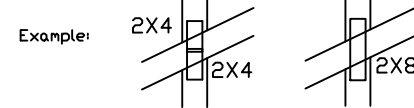


## Gable Truss Plate Sizes

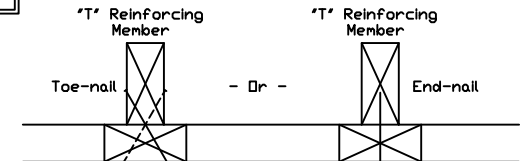
Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs.

(+) Refer to Engineered truss design for peak, splice, web, and heel plates.

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



## "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.

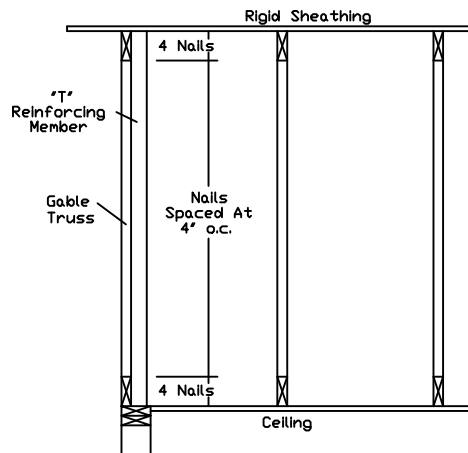
## ASCE 7-05 Gable Detail Drawings

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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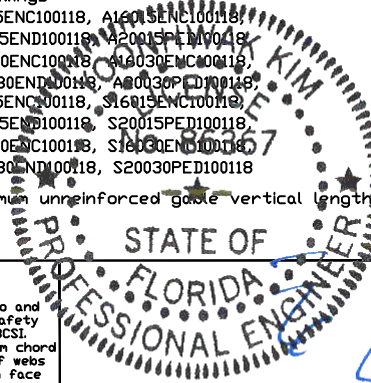
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514 Earth City Expressway  
Suite 242  
Earth City, MO 63045



Yoonhwak Kim, FL PE #86367

REF LET-IN VERT

DATE 01/02/2018

DRWG GBLLETIN0118

MAX. TOT. LD. 60 PSF

DUR. FAC. ANY

MAX. SPACING 24.0"

# NAIL SPACING DETAIL

MINIMUM SPACING FOR SINGLE BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

BLOCK LOCATION, SIZE, LENGTH, GRADE AND TOTAL NUMBER AND TYPE OF NAILS ARE TO BE SPECIFIED ON SEALED DESIGN REFERENCING THIS DETAIL.

LOAD PERPENDICULAR TO GRAIN

A - EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)

B - SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)

C - END DISTANCE (15 NAIL DIAMETERS)

LOAD PARALLEL TO GRAIN

A - EDGE DISTANCE (6 NAIL DIAMETERS)

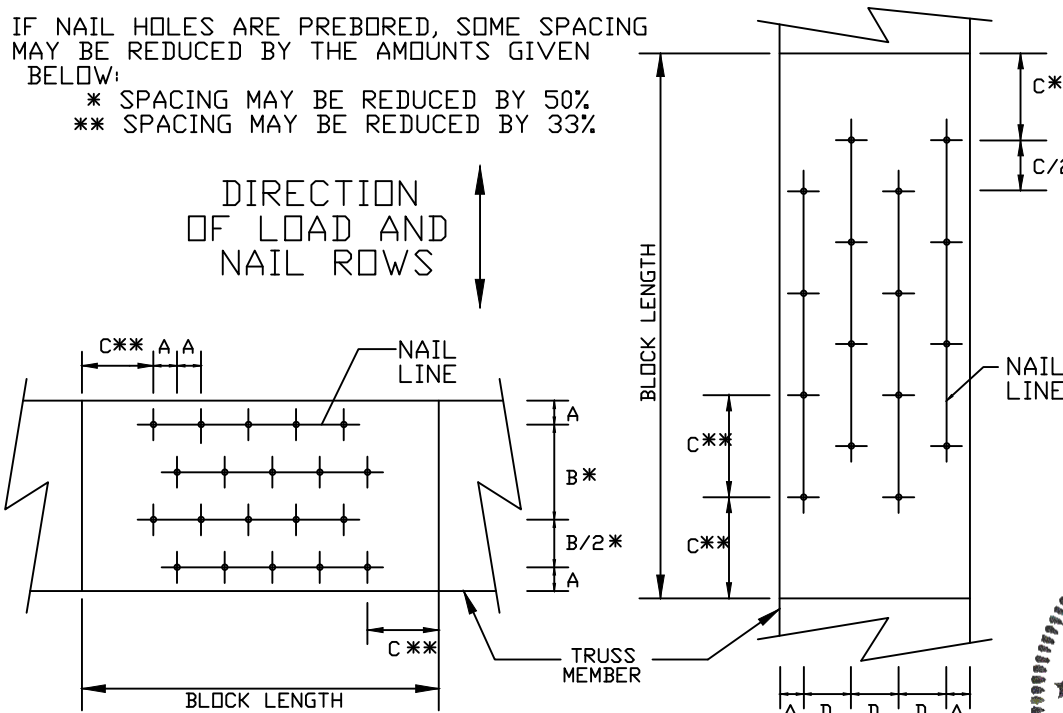
C - SPACING OF NAILS IN A ROW AND END DISTANCE (15 NAIL DIAMETERS)

D - SPACING BETWEEN STAGGERED ROWS OF NAILS (7 1/2 NAIL DIAMETERS)

IF NAIL HOLES ARE PREBORED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW:

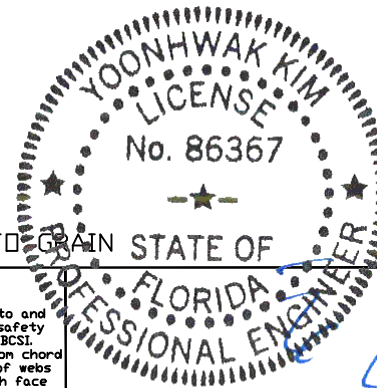
\* SPACING MAY BE REDUCED BY 50%

\*\* SPACING MAY BE REDUCED BY 33%



MINIMUM NAIL SPACING DISTANCES

NAIL TYPE	DISTANCES			
	A	B*	C**	D
8d BOX (0.113"X 2.5",MIN)	3/4"	1 3/8"	1 3/4"	7/8"
10d BOX (0.128"X 3",MIN)	7/8"	1 5/8"	2"	1"
12d BOX (0.128"X 3.25",MIN)	7/8"	1 5/8"	2"	1"
16d BOX (0.135"X 3.5",MIN)	7/8"	1 5/8"	2 1/8"	1 1/8"
20d BOX (0.148"X 4",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
8d COMMON (0.131"X 2.5",MIN)	7/8"	1 5/8"	2"	1"
10d COMMON (0.148"X 3",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
12d COMMON (0.148"X 3.25",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
16d COMMON (0.162"X 3.5",MIN)	1"	2"	2 1/2"	1 1/4"
GUN (0.120"X 2.5",MIN)	3/4"	1 1/2"	1 7/8"	1"
GUN (0.131"X 2.5",MIN)	7/8"	1 5/8"	2"	1"
GUN (0.120"X 3",MIN)	3/4"	1 1/2"	1 7/8"	1"
GUN (0.131"X 3",MIN)	7/8"	1 5/8"	2"	1"



LOAD APPLIED PERPENDICULAR TO GRAIN

LOAD APPLIED PARALLEL TO GRAIN

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514 Earth City Expressway  
 Suite 242  
 Earth City, MO 63045

REF NAIL SPACE  
 DATE 10/01/14  
 DRWG CNNAILSP1014

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

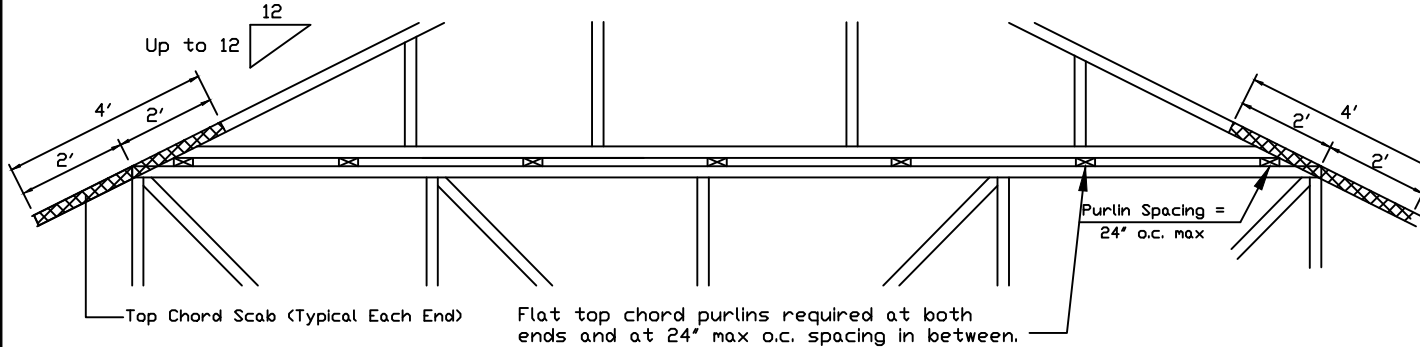
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0.  
Or 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

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

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

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

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

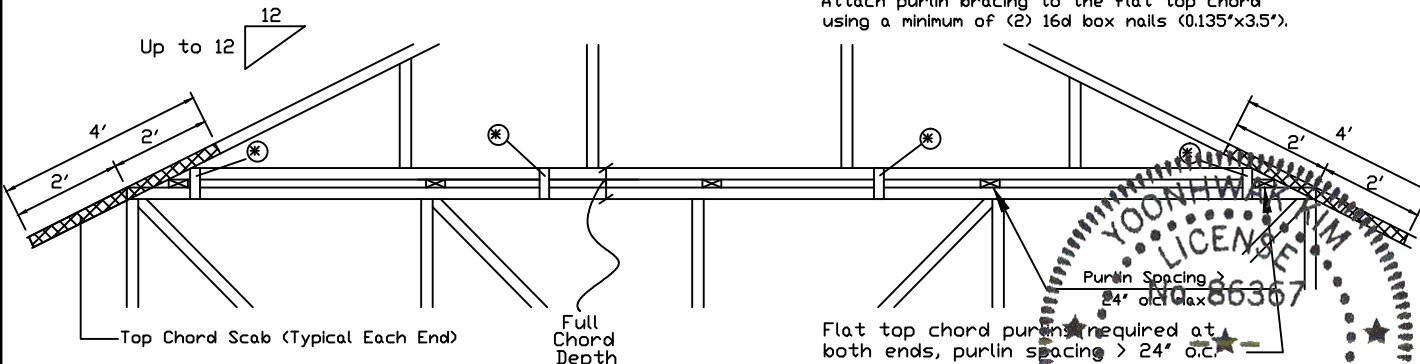


Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

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:

<b>Trulox</b> 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.
<b>APA Rated Gusset</b> 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.
<b>2x4 Vertical Scabs</b> 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.
<b>28PB Wave Piggyback Plate</b> 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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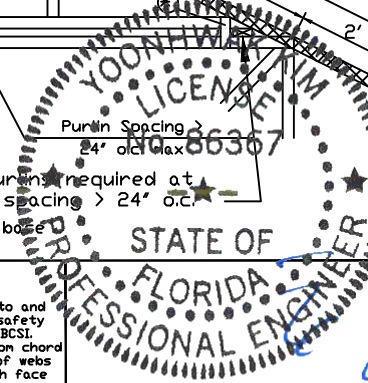
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13723 Riverport Drive  
Suite 200  
Maryland Heights, MO 63043



Yoonhwak Kim, FL PE #86367

REF PIGGYBACK  
DATE 01/02/2018  
DRWG PB160160118

SPACING 24.0"



# Gable Stud Reinforcement Detail

ASCE 7-16: 120 mph Wind Speed, 30' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Or: 100 mph Wind Speed, 30' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00

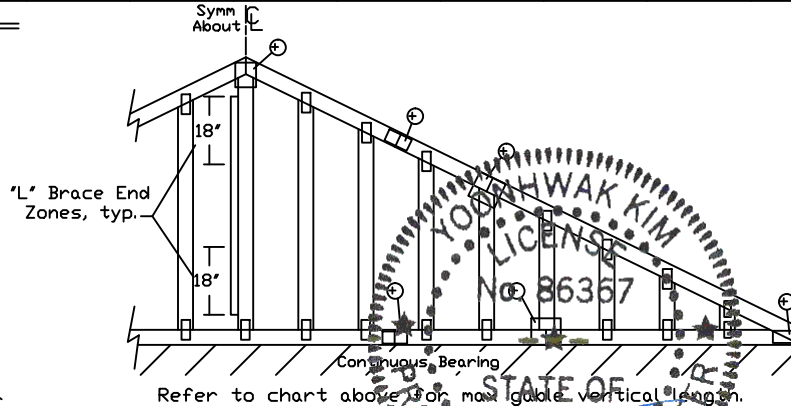
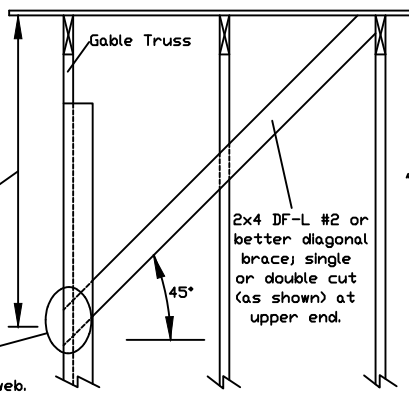
Or: 100 mph Wind Speed, 30' Mean Height, Enclosed, Exposure D, Kzt = 1.00

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' 7"	7' 10"	8' 1"	9' 3"	9' 7"	11' 0"	11' 5"	14' 0"	14' 0"	14' 0"	14' 0"
			#3	4' 4"	7' 2"	7' 8"	9' 1"	9' 5"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"
			Stud	4' 4"	7' 2"	7' 7"	9' 1"	9' 5"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	#1	4' 10"	7' 11"	8' 2"	9' 4"	9' 8"	11' 1"	11' 6"	14' 0"	14' 0"	14' 0"	14' 0"
			#2	4' 7"	7' 10"	8' 1"	9' 3"	9' 7"	11' 0"	11' 5"	14' 0"	14' 0"	14' 0"	14' 0"
			#3	4' 6"	6' 6"	6' 11"	8' 7"	9' 2"	10' 11"	11' 4"	13' 6"	14' 0"	14' 0"	14' 0"
	SP	DFL	Stud	4' 6"	6' 6"	6' 11"	8' 7"	9' 2"	10' 11"	11' 4"	13' 6"	14' 0"	14' 0"	14' 0"
			Standard	4' 4"	5' 9"	6' 1"	7' 7"	8' 2"	10' 4"	11' 1"	12' 10"	14' 0"	14' 0"	14' 0"
		Standard	#1 / #2	5' 3"	8' 11"	9' 3"	10' 7"	11' 0"	12' 7"	13' 1"	14' 0"	14' 0"	14' 0"	14' 0"
			#3	5' 0"	8' 10"	9' 3"	10' 5"	10' 10"	12' 5"	12' 11"	14' 0"	14' 0"	14' 0"	14' 0"
			Stud	5' 0"	8' 9"	9' 2"	10' 5"	10' 10"	12' 5"	12' 11"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	#1	5' 6"	9' 1"	9' 5"	10' 8"	11' 1"	12' 8"	13' 2"	14' 0"	14' 0"	14' 0"	14' 0"
16" O.C.	SPF	#2	#2	5' 3"	8' 11"	9' 3"	10' 7"	11' 0"	12' 7"	13' 1"	14' 0"	14' 0"	14' 0"	14' 0"
			#3	5' 1"	7' 11"	8' 5"	10' 6"	10' 11"	12' 6"	13' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			Stud	5' 0"	7' 11"	8' 5"	10' 6"	10' 11"	12' 6"	13' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	DFL	Standard	5' 0"	7' 0"	7' 5"	9' 4"	10' 0"	12' 5"	12' 11"	14' 0"	14' 0"	14' 0"	14' 0"
			#1 / #2	5' 9"	9' 10"	10' 2"	11' 7"	12' 1"	12' 7"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			#3	5' 6"	9' 8"	10' 1"	11' 6"	11' 11"	13' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
12" O.C.	SPF	HF	Stud	5' 6"	9' 8"	10' 1"	11' 6"	11' 11"	13' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			Standard	5' 6"	8' 8"	9' 3"	11' 6"	11' 11"	13' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	#1	6' 0"	10' 0"	10' 4"	11' 9"	12' 2"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			#2	5' 9"	9' 10"	10' 2"	11' 7"	12' 1"	13' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
			#3	5' 8"	9' 2"	9' 9"	11' 6"	12' 0"	13' 9"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	Standard	5' 8"	9' 2"	9' 9"	11' 6"	12' 0"	13' 9"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	DFL	Standard	5' 6"	8' 1"	8' 7"	10' 9"	11' 6"	13' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard												

Diagonal brace option: vertical length may be doubled when diagonal brace is used. Connect diagonal brace for 385# 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 70 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", but less than 11' 6"	2X4
Greater than 11' 6"	3X4

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

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

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



514 Earth City Expressway  
 Suite 242  
 Earth City, MO 63045

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF ASCE7-16-GAB12030

DATE 01/26/2018

DRWG A12030ENC160118

PE REG-578, Yoonhwak Kim, FL PE #86367