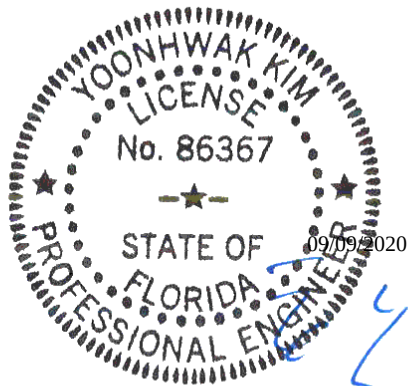




FL REG# 278, Yoonhwak Kim, FL PE #86367

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Phone: (800)755-6001
www.alpineitw.com

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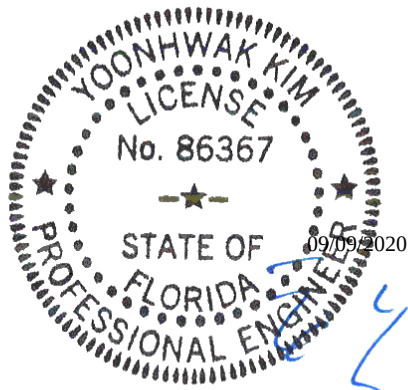
Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 20-4441
Job Description: Jones Residence	
Address:	

Job Engineering Criteria:			
Design Code: FBC 2017 RES		IntelliVIEW Version: 18.02.01B through 20.01.01A JRef #: 1WYJ2150005	
Wind Standard: ASCE 7-10	Wind Speed (mph): 130	Roof Load (psf): 20.00-10.00- 0.00-10.00	
Building Type: Closed		Floor Load (psf): None	

This package contains general notes pages, 49 truss drawing(s) and 6 detail(s).

Item	Drawing Number	Truss
1	253.20.1337.53015	A01
3	253.20.1337.52826	A03
5	253.20.1341.08360	A04A
7	253.20.1337.52718	A06
9	253.20.1337.53030	A08
11	253.20.1337.53295	B02
13	253.20.1337.53435	B04
15	253.20.1337.52733	C02
17	253.20.1337.53374	C04
19	253.20.1337.53373	C06
21	253.20.1337.53061	D02
23	253.20.1337.53170	E01
25	253.20.1337.53528	G01
27	253.20.1337.53216	J01
29	253.20.1337.53434	J02A
31	253.20.1337.53171	J04
33	253.20.1337.53498	J06HJ
35	253.20.1337.53154	PB01
37	253.20.1337.53091	PB02
39	253.20.1337.53342	PB04
41	253.20.1337.53232	V02
43	253.20.1337.52921	V04
45	253.20.1337.53466	V06
47	253.20.1337.52812	V10
49	253.20.1337.53405	V12
51	A14030ENC101014	

Item	Drawing Number	Truss
2	253.20.1337.52920	A02
4	253.20.1341.04957	A04
6	253.20.1337.53014	A05
8	253.20.1337.53231	A07
10	253.20.1337.52780	B01
12	253.20.1337.53045	B03
14	253.20.1337.53343	C01
16	253.20.1337.52841	C03
18	253.20.1337.52811	C05
20	253.20.1337.52966	D01
22	253.20.1337.52857	D03
24	253.20.1337.53310	E02
26	253.20.1337.52703	G02
28	253.20.1337.52983	J02
30	253.20.1337.53543	J03
32	253.20.1337.53559	J05HJ
34	253.20.1341.12713	FLT01
36	253.20.1341.19463	PB01A
38	253.20.1337.53248	PB03
40	253.20.1337.52749	V01
42	253.20.1337.53403	V03
44	253.20.1337.53123	V05
46	253.20.1337.52889	V09
48	253.20.1337.52951	V11
50	A14015ENC101014	
52	BRCLBSUB0119	



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Site Information:	Page 2:
Customer: W. B. Howland Company, Inc.	Job Number: 20-4441
Job Description: Jones Residence	
Address:	

Item	Drawing Number	Truss
53	GBLLETIN0118	
55	VAL160101014	

Item	Drawing Number	Truss
54	PB160101014	

General Notes

Truss Design Engineer Scope of Work, Design Assumptions and Design Responsibilities:

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

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

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

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

Temporary Lateral Restraint and Bracing:

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

Permanent Lateral Restraint and Bracing:

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

Connector Plate Information:

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

Fire Retardant Treated Lumber:

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

General Notes (continued)

Key to Terms:

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

BCDL = Bottom Chord standard design Dead Load in pounds per square foot.

BCLL = Bottom Chord standard design Live Load in pounds per square foot.

CL = Certified lumber.

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

FRT = Fire Retardant Treated lumber.

FRT-DB = D-Blaze Fire Retardant Treated lumber.

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

FRT-PG = PYRO-GUARD Fire Retardant Treated lumber.

g = green lumber.

HORZ(LL) = maximum Horizontal panel point deflection due to Live Load, in inches.

HORZ(TL) = maximum Horizontal panel point long term deflection in inches, due to Total Load, including creep adjustment.

HPL = additional Horizontal Load added to a truss Piece in pounds per linear foot or pounds.

Ic = Incised lumber.

FJ = Finger Jointed lumber.

L/# = user specified divisor for limiting span/deflection ratio for evaluation of actual L/defl value.

L/defl = ratio of Length between bearings, in inches, divided by the vertical Deflection due to creep, in inches, at the referenced panel point. Reported as 999 if greater than or equal to 999.

Loc = Location, starting location of left end of bearing or panel point (joint) location of deflection.

Max BC CSI = Maximum bending and axial Combined Stress Index for Bottom Chords for of all load cases.

Max TC CSI = Maximum bending and axial Combined Stress Index for Top Chords for of all load cases.

Max Web CSI = Maximum bending and axial Combined Stress Index for Webs for of all load cases.

NCBCLL = Non-Concurrent Bottom Chord design Live Load in pounds per square foot.

PL = additional Load applied at a user specified angle on a truss Piece in pounds per linear foot or pounds.

PLB = additional vertical load added to a Bottom chord Piece of a truss in pounds per linear foot or pounds

PLT = additional vertical load added to a Top chord Piece of a truss in pounds per linear foot or pounds.

PP = Panel Point.

R = maximum downward design Reaction, in pounds, from all specified gravity load cases, at the indicated location (Loc).

-R = maximum upward design Reaction, in pounds, from all specified gravity load cases, at the identified location (Loc).

Rh = maximum horizontal design Reaction in either direction, in pounds, from all specified gravity load cases, at the indicated location (Loc).

RL = maximum horizontal design Reaction in either direction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).

Rw = maximum downward design Reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the identified location (Loc).

TCDL = Top Chord standard design Dead Load in pounds per square foot.

TCLL = Top Chord standard design Live Load in pounds per square foot.

U = maximum Upward design reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).

VERT(CL) = maximum Vertical panel point deflection in inches due to Live Load and Creep Component of Dead Load in inches.

VERT(CTL) = maximum Vertical panel point deflection ratios due to Live Load and Creep Component of Dead Load, and maximum long term Vertical panel point deflection in inches due to Total load, including creep adjustment.

VERT(LL) = maximum Vertical panel point deflection in inches due to Live Load.

VERT(TL) = maximum Vertical panel point long term deflection in inches due to Total load, including creep adjustment.

W = Width of non-hanger bearing, in inches.

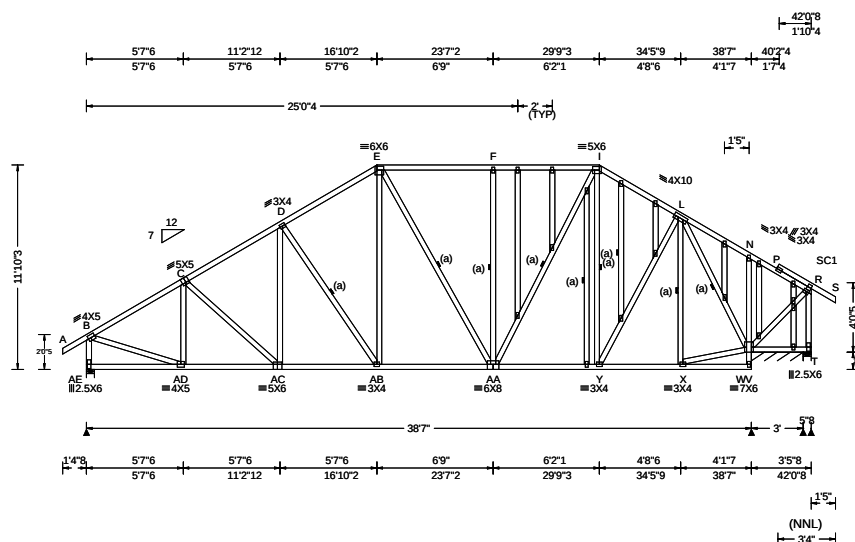
Refer to ASCE-7 for Wind and Seismic abbreviations.

Uppercase Acronyms not explained above are as defined in TPI 1.

References:

1. AWC: American Wood Council; 222 Catoctin Circle SE, Suite 201; Leesburg, VA 20175; www.awc.org.
2. ICC: International Code Council; www.iccsafe.org.
3. Alpine, a division of ITW Building Components Group Inc.: 514 Earth City Expressway, Suite 242, Earth City, MO 63045; www.alpineitw.com.
4. TPI: Truss Plate Institute, 2670 Crain Highway, Suite 203, Waldorf, MD 20601; www.tpinst.org.
5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www.sbcindustry.com.

SEQN: 310434 / FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 20-4441 Jones Residence Truss Label: A01	Cust: R 215 JRef: 1WYJ2150005 T4 / DrwNo: 253.20.1337.53015 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.60 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.074 H 999 240 VERT(CL): 0.152 H 999 180 HORZ(LL): 0.027 X - - HORZ(TL): 0.056 X - - Creep Factor: 2.0 Max TC CSI: 0.493 Max BC CSI: 0.592 Max Web CSI: 0.602 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL AE 1669 - / - / - /1077 /211 /336 V* 697 - / - / - /420 /40 - /- T 33 - /164 - / - /67 /111 - /- Wind reactions based on MWFRS AE Brg Width = 5.5 Min Req = 2.0 V Brg Width = 36.0 Min Req = - T Brg Width = 5.5 Min Req = 1.5 Bearings AE, V, & T are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

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

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

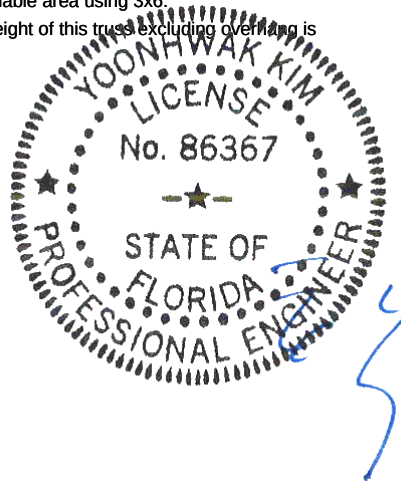
Plating Notes
All plates are 2X4 except as noted.

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

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

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

Additional Notes
See DWGS A14030ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.
Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.
The overall height of this truss excluding overhang is 11-10-3.



Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
AE-AD	240 -391	AB-AA	1293 -225
AD-AC	1545 -441	AA- Y	882 -61
AC-AB	1519 -341	Y - X	557 0

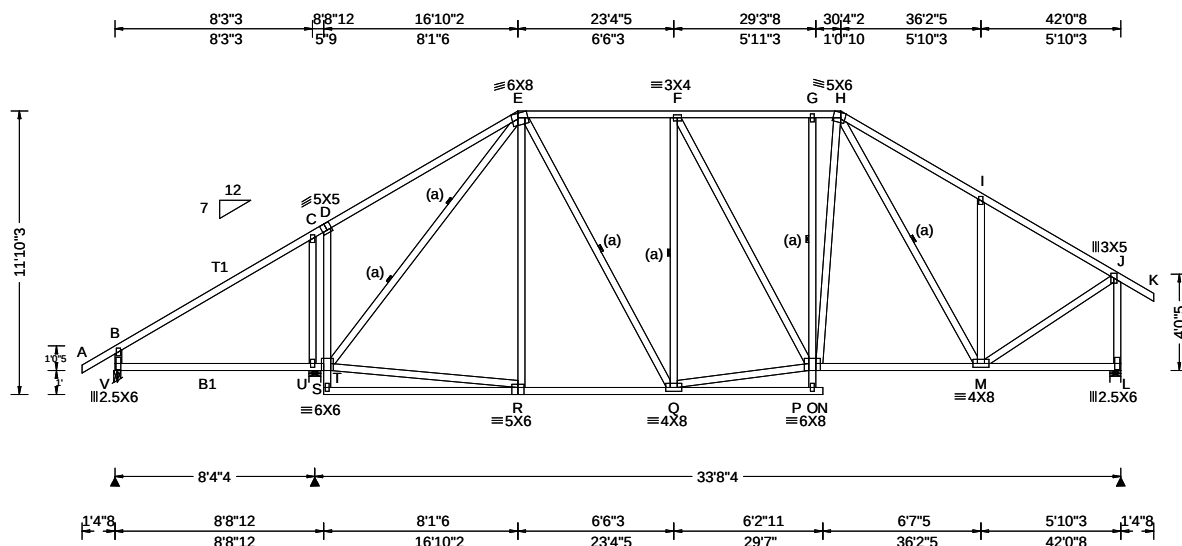
Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
B - AE	259 -1621	AA- I	782 -215
B - AD	1581 -125	Y - L	698 -133
D - AB	209 -408	I - Y	106 -389
E - AB	511 -154	L - V	114 -1585
F - AA	93 -421	X - V	587 0

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

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SEQN: 310886 / FROM: CDM	COMN Ply: 1 Qty: 4	Job Number: 20-4441 Jones Residence Truss Label: A02	Cust: R 215 JRef: 1WYJ2150005 T28 / DrwNo: 253.20.1337.52920 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.60 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 4.20 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.068 F 999 240 VERT(CL): 0.147 F 999 180 HORZ(LL): 0.029 L - - HORZ(TL): 0.061 L - - Creep Factor: 2.0 Max TC CSI: 0.764 Max BC CSI: 0.676 Max Web CSI: 0.783 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity V 437 -/- /- /309 /119 /383 U 1828 -/- /- /1017 /235 -/- L 1573 -/- /- /879 /263 -/- Wind reactions based on MWFRS V Brg Width = 3.0 Min Req = 1.5 U Brg Width = 6.0 Min Req = 1.5 L Brg Width = 5.5 Min Req = 1.9 Bearings V, U, & L are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Purlins

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

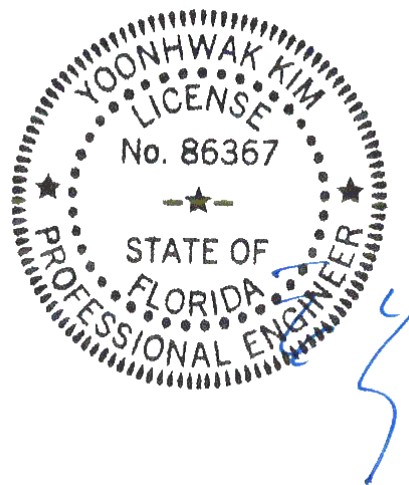
Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

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

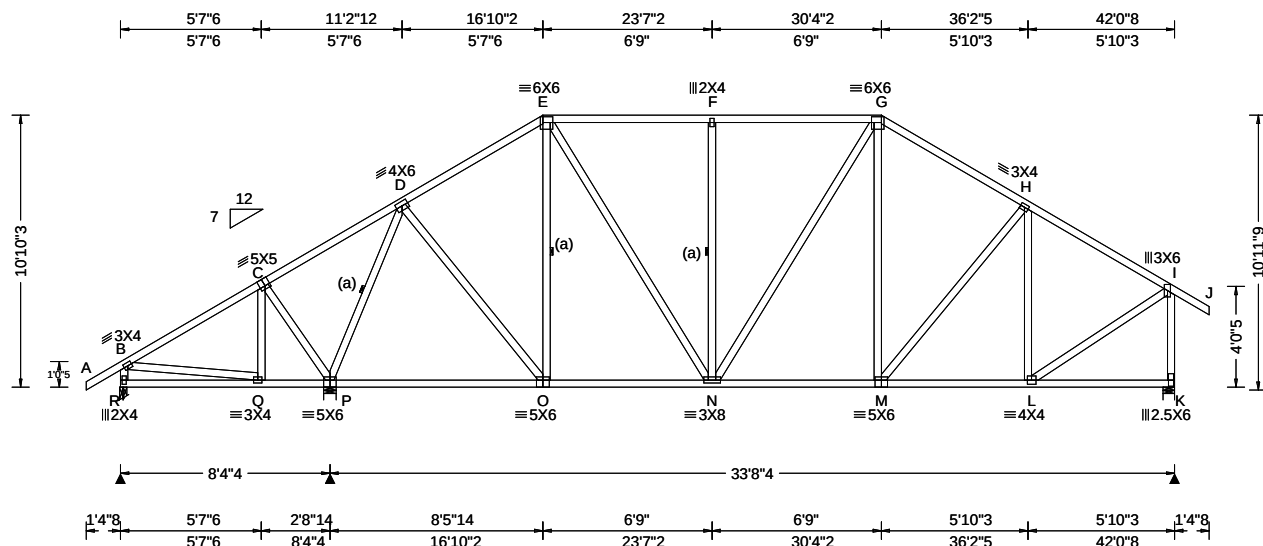


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SEQN: 317086 / FROM: CDM	COMN Ply: 1 Qty: 3	Job Number: 20-4441 Jones Residence Truss Label: A03	Cust: R 215 JRef:1WYJ2150005 T34 / DrwNo: 253.20.1337.52826 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.60 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.20 ft Loc. from endwall: not in 13.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.066 F 999 240 VERT(CL): 0.117 F 999 180 HORZ(LL): 0.024 K - - HORZ(TL): 0.042 K - - Creep Factor: 2.0 Max TC CSI: 0.558 Max BC CSI: 0.815 Max Web CSI: 0.653 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL R 345 - / - / - /158 /29 /383 P 2318 - / - / - /1214 /53 - /- K 1700 - / - / - /891 /20 - /- Wind reactions based on MWFRS R Brg Width = 3.0 Min Req = 1.5 P Brg Width = 6.0 Min Req = 2.7 K Brg Width = 5.5 Min Req = 2.0 Bearings R, P, & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

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.

Purlins

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

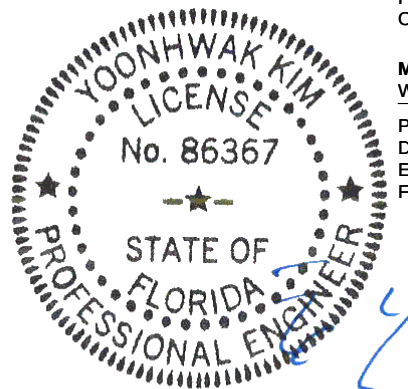
Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

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

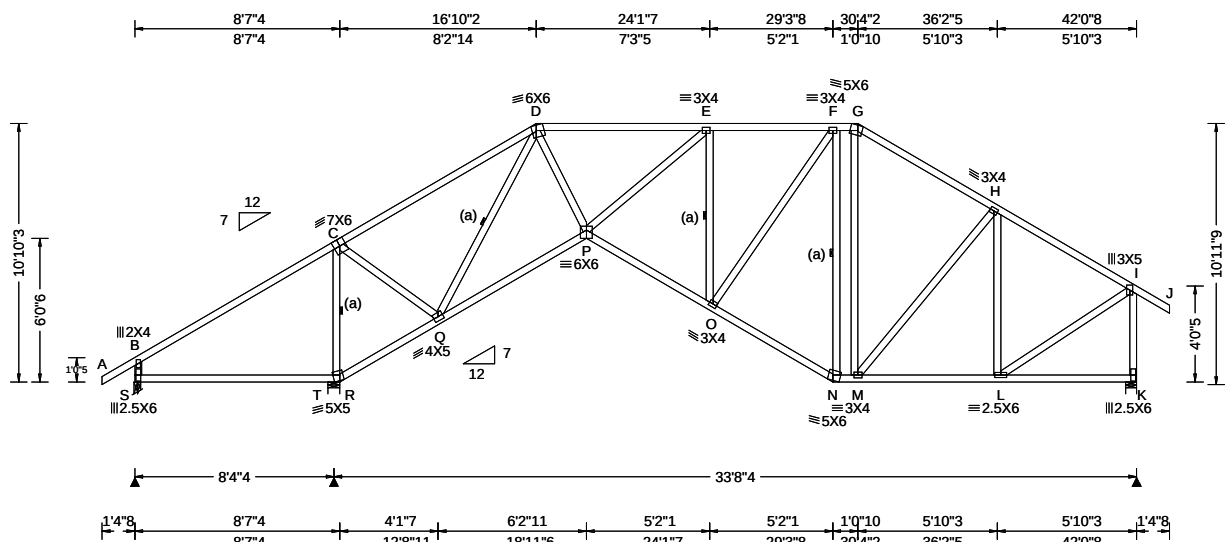


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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 333400 FROM: CDM	COMN Ply: 1 Qty: 5	Job Number: 20-4441 Jones Residence Truss Label: A04	Cust: R 215 JRef: 1WYJ2150005 T31 DrwNo: 253.20.1341.04957 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 4.20 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.118 E 999 240 VERT(CL): 0.247 E 999 180 HORZ(LL): 0.114 K - - HORZ(TL): 0.239 K - - Creep Factor: 2.0 Max TC CSI: 0.985 Max BC CSI: 0.557 Max Web CSI: 0.699 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL S 381 - / - / - /304 /115 /285 T 1881 - / - / - /1070 /230 -/ K 1486 - / - / - /883 /265 -/ Wind reactions based on MWFRS S Brg Width = 3.0 Min Req = 1.5 T Brg Width = 6.0 Min Req = 2.2 K Brg Width = 5.5 Min Req = 1.8 Bearings S, T, & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Purlins

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

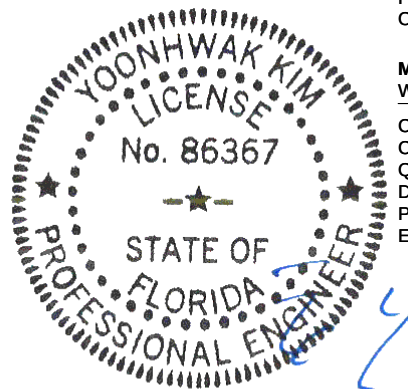
Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

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

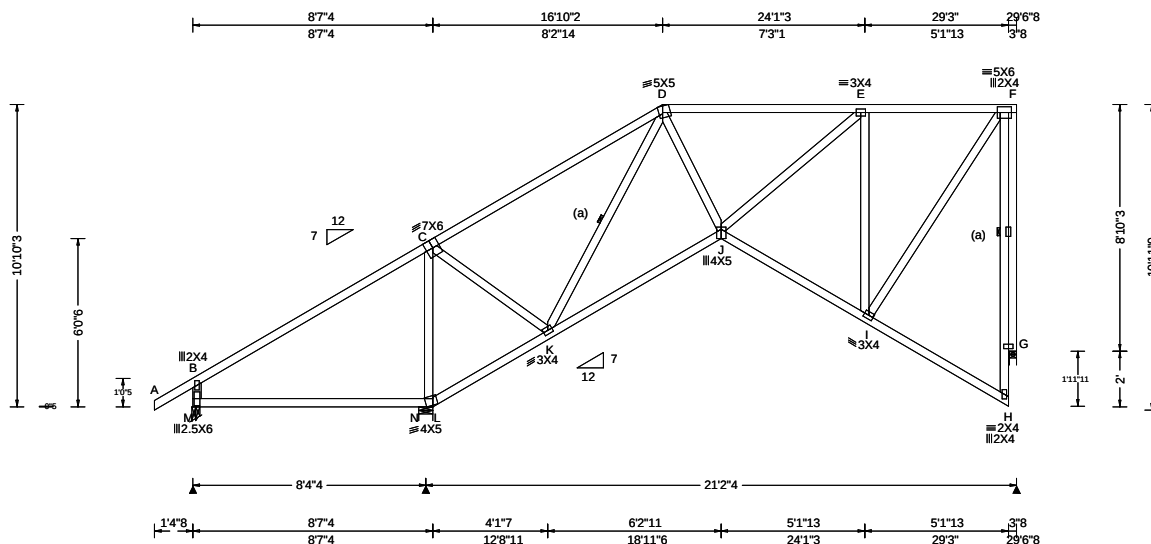


FL REC# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

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6750 Forum Drive
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SEQN: 333402 FROM: CDM	SPEC Ply: 1 Qty: 3	Job Number: 20-4441 Jones Residence Truss Label: A04A	Cust: R 215 JRef: 1WYJ2150005 T11 DrwNo: 253.20.1341.08360 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.03 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.040 J 999 240 VERT(CL): 0.084 J 999 180 HORZ(LL): 0.053 H - - HORZ(TL): 0.111 H - - Creep Factor: 2.0 Max TC CSI: 0.946 Max BC CSI: 0.354 Max Web CSI: 0.980 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity M 450 -/- /- /341 /114 /302 N 1260 -/- /- /753 /67 /- G 900 -/- /- /507 /234 /- Wind reactions based on MWFRS M Brg Width = 3.0 Min Req = 1.5 N Brg Width = 6.0 Min Req = 1.5 G Brg Width = 3.0 Min Req = 1.5 Bearings M, N, & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

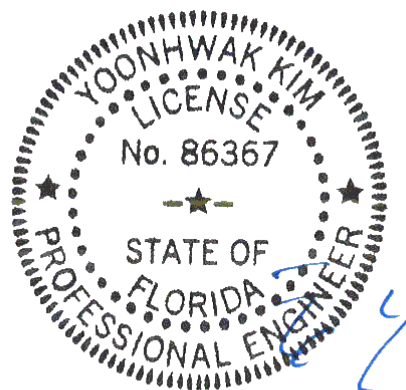
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Rt Bearing Leg: 2x4 SP #3;

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

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

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

Additional Notes
Shim all supports to solid bearing.
The overall height of this truss excluding overhang is 10-10-3.

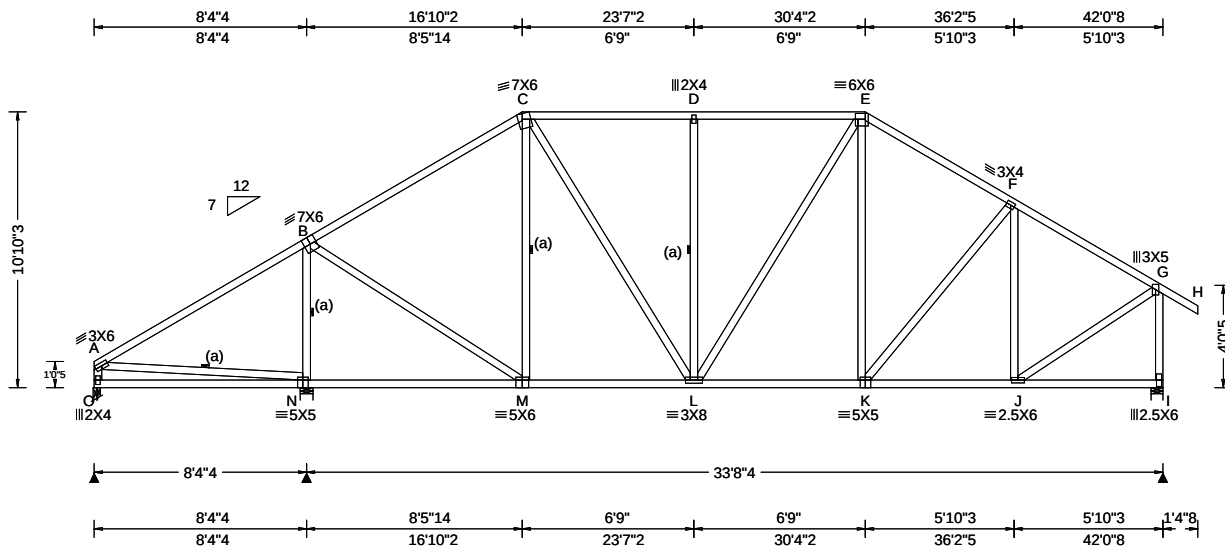


FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

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6750 Forum Drive
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SEQN: 317624 / FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4441 Jones Residence Truss Label: A05	Cust: R 215 JRef: 1WYJ2150005 T8 / DrwNo: 253.20.1337.53014 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 18.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.20 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.050 D 999 240 VERT(CL): 0.102 D 999 180 HORZ(LL): 0.016 I - - HORZ(TL): 0.033 I - - Creep Factor: 2.0 Max TC CSI: 0.959 Max BC CSI: 0.749 Max Web CSI: 0.492 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity O 299 - / - / - /153 - / /367 N 1836 - / - / - /1162 /42 - /- I 1484 - / - / - /897 /23 - /- Wind reactions based on MWFRS O Brg Width = 3.0 Min Req = 1.5 N Brg Width = 6.0 Min Req = 2.2 I Brg Width = 5.5 Min Req = 1.8 Bearings O, N, & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Purlins

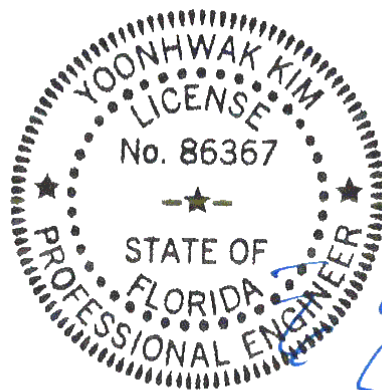
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Additional Notes

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



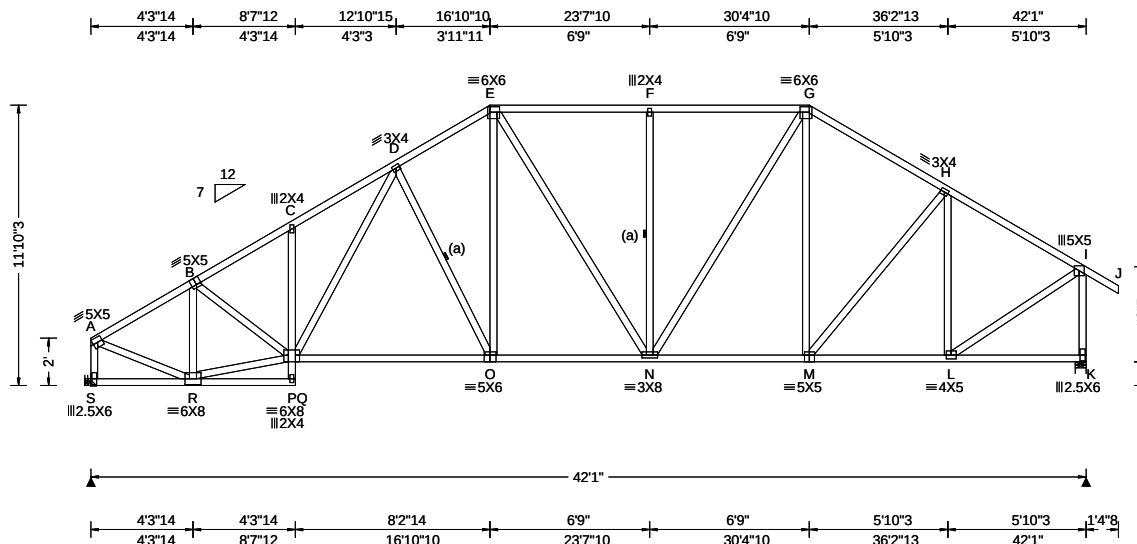
FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

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Suite 305
Orlando FL, 32821

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
O - N	411 -380	L - K	1020 -40
M - L	849 -111	K - J	972 -106

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
N - B	317 -1633	D - L	12 -431
B - M	999 -4	F - J	85 -492
C - M	34 -405	J - G	1130 -121
C - L	495 -102	G - I	293 -1436



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.99 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 4.21 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.139 O 999 240 VERT(CL): 0.256 O 999 180 HORZ(LL): 0.068 K - - HORZ(TL): 0.125 K - - Creep Factor: 2.0 Max TC CSI: 0.633 Max BC CSI: 0.922 Max Web CSI: 0.761 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh / Rw / U / RL S 1921 - / - / - /1043 /287 /368 K 2121 - / - / - /1050 /315 - /- Wind reactions based on MWFRS S Brg Width = - Min Req = - K Brg Width = 5.5 Min Req = 2.5 Bearing K is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 340 -2163 E - F 522 -2070 B - C 489 -2886 F - G 522 -2070 C - D 572 -2894 G - H 394 -2056 D - E 461 -2353 H - I 298 -1795

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

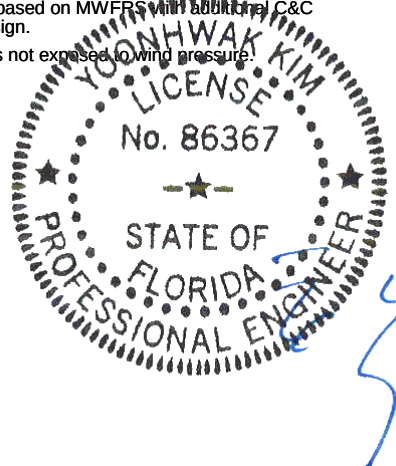
Bracing
(a) Continuous lateral restraint equally spaced on member.

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.
Bearing at location x=0' uses the following support conditions: 0'
Bearing S (0', 9'1"2) HUS26
Supporting Member: (2)2x6 SP 2400f-2.0E
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.

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

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

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



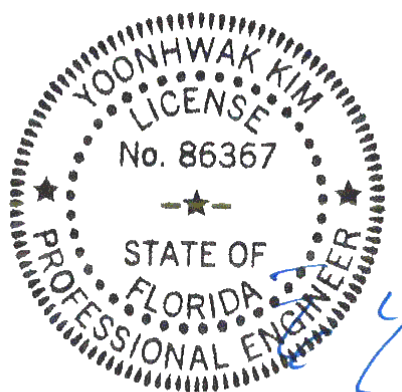
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09/09/2020

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SEQN: 310388 / FROM: CDM Page 2 of 2	COMN Ply: 1 Qty: 2	Job Number: 20-4441 Jones Residence Truss Label: A06	Cust: R 215 JRef: 1WYJ2150005 T9 / DrwNo: 253.20.1337.52718 / YK 09/09/2020
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Additional Notes

The overall height of this truss excluding overhang is 11-10-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

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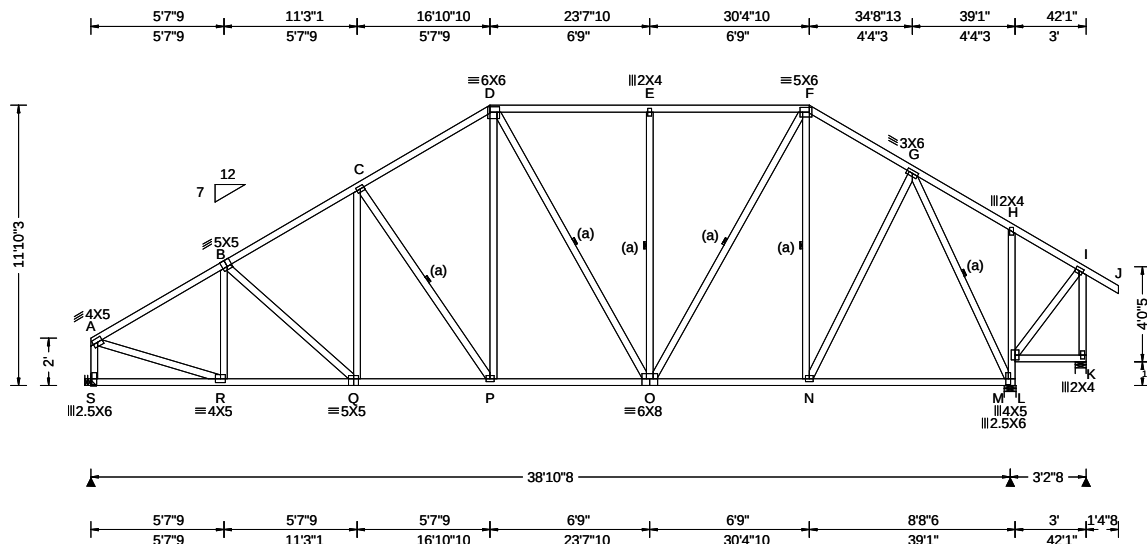
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Orlando FL, 32821



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)																																		
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	<table><tr><th colspan="3">Gravity</th><th colspan="3">Non-Gravity</th></tr><tr><th>Loc</th><th>R+</th><th>/ R-</th><th>/ Rh</th><th>/ Rw</th><th>/ U</th><th>/ RL</th></tr><tr><td>S</td><td>1608</td><td>/-</td><td>/-</td><td>/972</td><td>/264</td><td>/368</td></tr><tr><td>M</td><td>1799</td><td>/-</td><td>/-</td><td>/937</td><td>/298</td><td>/-</td></tr><tr><td>K</td><td>221</td><td>/-</td><td>/-</td><td>/194</td><td>/38</td><td>/-</td></tr></table>	Gravity			Non-Gravity			Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	S	1608	/-	/-	/972	/264	/368	M	1799	/-	/-	/937	/298	/-	K	221	/-	/-	/194	/38	/-
Gravity			Non-Gravity																																			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL																																
S	1608	/-	/-	/972	/264	/368																																
M	1799	/-	/-	/937	/298	/-																																
K	221	/-	/-	/194	/38	/-																																
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.075 P 999 240	Wind reactions based on MWFRS S Brg Width = - Min Req = - M Brg Width = 6.0 Min Req = 2.1 K Brg Width = 5.5 Min Req = 1.5 Bearings M & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) <table><tr><th>Chords</th><th>Tens.Comp.</th><th>Chords</th><th>Tens. Comp.</th></tr><tr><td>A - B</td><td>336 - 1918</td><td>D - E</td><td>458 - 1309</td></tr><tr><td>B - C</td><td>393 - 1921</td><td>E - F</td><td>458 - 1309</td></tr><tr><td>C - D</td><td>394 - 1647</td><td>F - G</td><td>312 - 1144</td></tr></table>	Chords	Tens.Comp.	Chords	Tens. Comp.	A - B	336 - 1918	D - E	458 - 1309	B - C	393 - 1921	E - F	458 - 1309	C - D	394 - 1647	F - G	312 - 1144																		
Chords	Tens.Comp.	Chords	Tens. Comp.																																			
A - B	336 - 1918	D - E	458 - 1309																																			
B - C	393 - 1921	E - F	458 - 1309																																			
C - D	394 - 1647	F - G	312 - 1144																																			
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.156 P 999 180																																			
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.031 M - -																																			
Des Ld: 40.00	EXP: C Kzt: NA	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.064 M - -	VIEW Ver: 18.02.01B.0321.09																																		
NCBCLL: 10.00	Mean Height: 17.99 ft		Creep Factor: 2.0																																			
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.569																																			
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.792																																			
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h		Max Web CSI: 0.807																																			
	C&C Dist a: 4.21 ft																																					
	Loc. from endwall: not in 13.00 ft																																					
	GCpi: 0.18																																					
	Wind Duration: 1.60																																					

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

Purlins

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

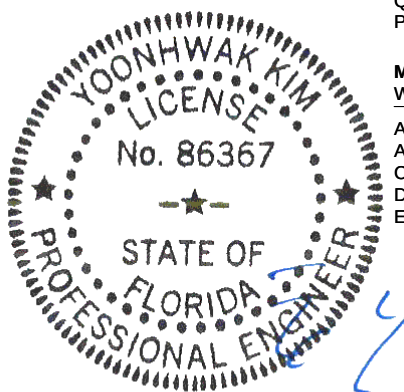
Wind

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

End verticals not exposed to wind pressure.

Additional Notes

The overall height of this truss excluding overhang is 11'-10-3/8".



FL REC# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

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 For more information see these web sites: Alpine: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

SEQN: 310391 / FROM: CDM Page 2 of 2	COMN Ply: 1 Qty: 1	Job Number: 20-4441 Jones Residence Truss Label: A07	Cust: R 215 JRef:1WYJ2150005 T12 / DrwNo: 253.20.1337.53231 / YK 09/09/2020
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Hangers / Ties

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

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

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

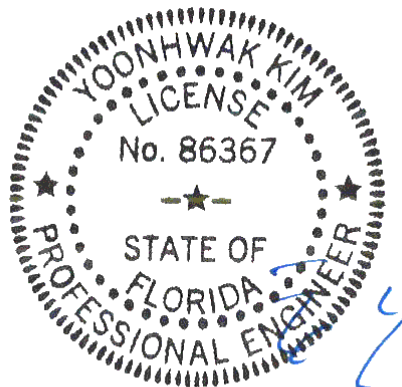
Bearing at location $x=0'$ uses the following support conditions: 0'

Bearing S (0', 9'1"2) HUS26

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

(14) 0.148"x3" nails into supporting member,

(4) 0.148"x3" nails into supported member.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

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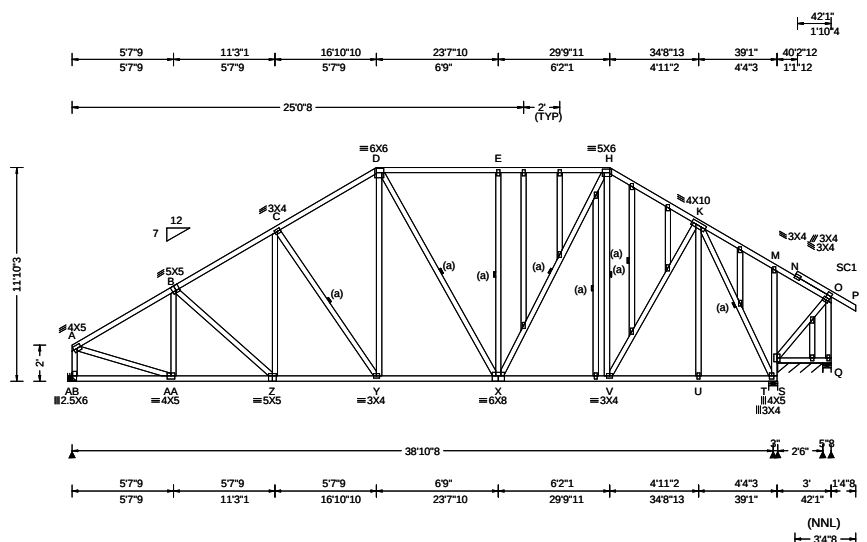
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6750 Forum Drive
Suite 305
Orlando FL, 32821



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.078 G 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.160 G 999 180	AB 1607 -/- -/- /1015 /195 /322
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.031 T - -	T 1796 -/- -/- /1077 /67 -/-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.064 T - -	S* 47 -/- -/- /35 -/- -/-
NCBCLL: 10.00	Mean Height: 17.99 ft	Building Code:	Creep Factor: 2.0	Q 172 -/- -/- /131 /57 -/-
Soffit: 2.00	TCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.529	Wind reactions based on MWFRS
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.601	AB Brg Width = - Min Req = -
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes	Max Web CSI: 0.698	T Brg Width = 6.0 Min Req = 2.1
	C&C Dist a: 4.21 ft	FT/RT:20(0)/10(0)		S Brg Width = 30.0 Min Req = -
	Loc. from endwall: not in 13.00 ft	Plate Type(s):		Q Brg Width = 5.5 Min Req = 1.5
	GCpi: 0.18	WAVE	VIEW Ver: 18.02.01B.0321.09	Bearings T, S, & Q are a rigid surface.
	Wind Duration: 1.60			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;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Purlins

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

Wind

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

Additional Notes

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

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

The overall height of this truss including overhang is 11-10-3.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - B	247 - 1915	D - E	317 - 1302
B - C	285 - 1918	E - H	317 - 1302
C - D	278 - 1643	H - K	163 - 1187

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
AA- Z	1603 - 462	X - V	965 - 78
Z - Y	1573 - 355	V - U	658 - 21
Y - X	1344 - 237	U - T	657 - 21

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - AB	202 - 1558	E - X	94 - 420
A - AA	1632 - 156	X - H	746 - 209
C - Y	211 - 410	V - K	628 - 117
D - Y	512 - 156	K - T	74 - 1649

FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

SEQN: 310432 / FROM: CDM Page 2 of 2	GABL Ply: 1 Qty: 1	Job Number: 20-4441 Jones Residence Truss Label: A08	Cust: R 215 JRef:1WYJ2150005 T6 / DrwNo: 253.20.1337.53030 / YK 09/09/2020
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Hangers / Ties

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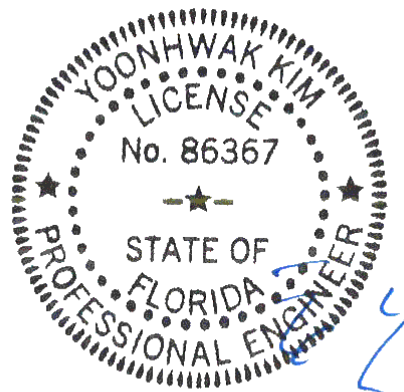
Bearing at location $x=0'$ uses the following support conditions: 0'

Bearing AB (0', 9'1"2) HUS26

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

(14) 0.148"x3" nails into supporting member,

(4) 0.148"x3" nails into supported member.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

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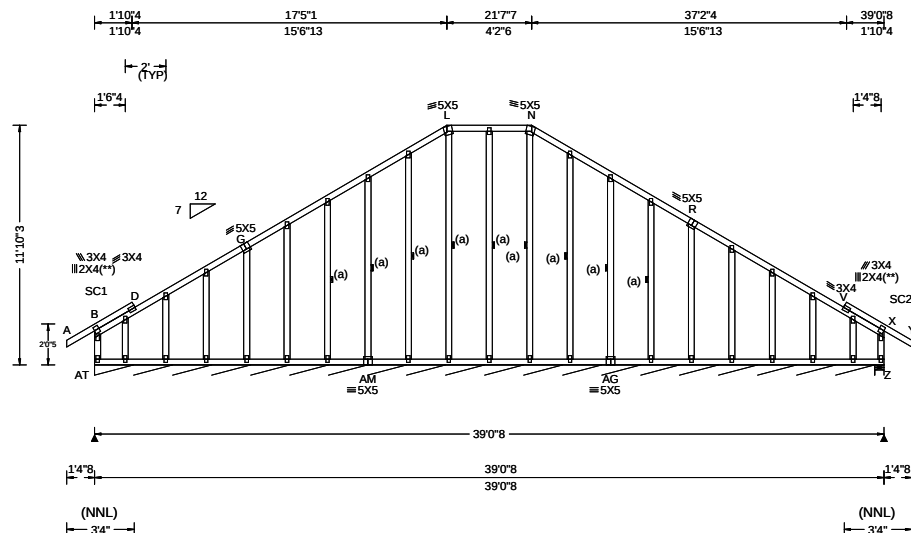
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SEQN: 310436 / FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 20-4441 Jones Residence Truss Label: B01	Cust: R 215 JRef: 1WYJ2150005 T5 / DrwNo: 253.20.1337.52780 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.41 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.90 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.002 D 999 240 VERT(CL): 0.003 M 999 180 HORZ(LL): -0.055 M - - HORZ(TL): 0.081 M - - Creep Factor: 2.0 Max TC CSI: 0.169 Max BC CSI: 0.073 Max Web CSI: 0.120 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL AT*84 /- /- /50 /- /3 Z 191 /- /- /99 /60 /- Wind reactions based on MWFRS AT Brg Width = 463 Min Req = - Z Brg Width = 5.5 Min Req = 1.5 Bearings AT & Z 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.

Purlins

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

Wind

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

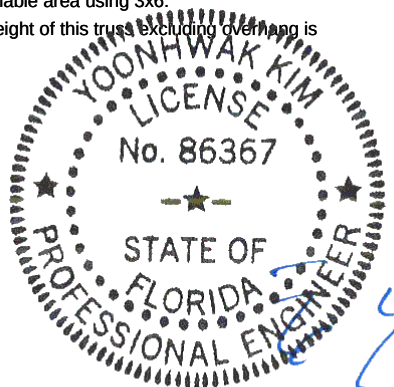
End verticals not exposed to wind pressure.

Additional Notes

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

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

The overall height of this truss excluding overhang is 11-10-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

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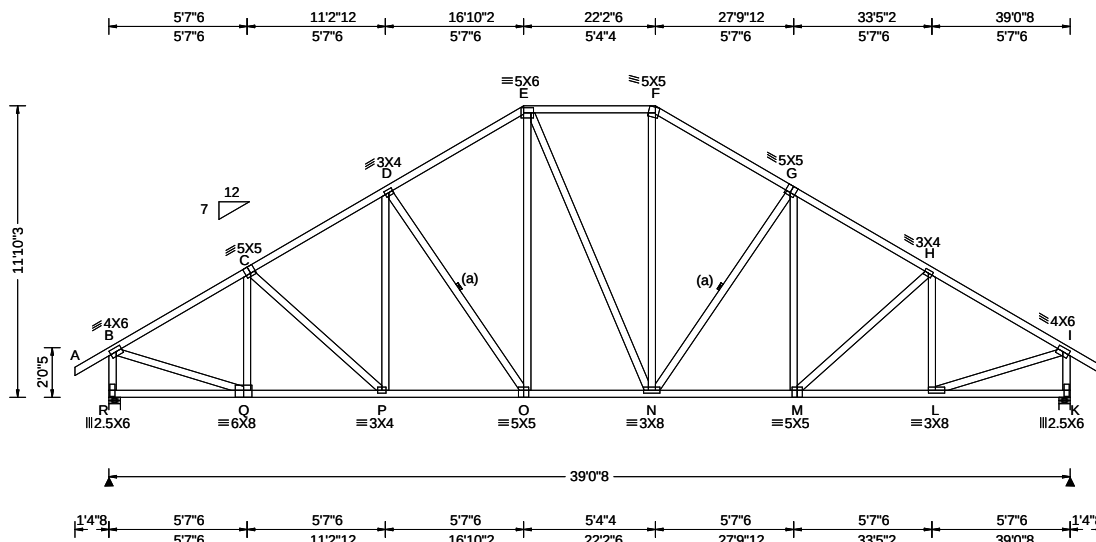
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SEQN: 310371 / FROM: CDM	COMN Ply: 1 Qty: 5	Job Number: 20-4441 Jones Residence Truss Label: B02	Cust: R 215 JRef:1WYJ2150005 T33 / DrwNo: 253.20.1337.53295 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.41 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.90 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.122 O 999 240 VERT(CL): 0.217 O 999 180 HORZ(LL): 0.049 K - - HORZ(TL): 0.088 K - - Creep Factor: 2.0 Max TC CSI: 0.449 Max BC CSI: 0.765 Max Web CSI: 0.749 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL R 2001 /- /- /1017 /295 /345 K 2002 /- /- /1017 /295 /- Wind reactions based on MWFRS R Brg Width = 5.5 Min Req = 2.4 K Brg Width = 5.5 Min Req = 2.4 Bearings R & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 554 -2280 F - G 620 -2063 C - D 629 -2381 G - H 630 -2381 D - E 623 -2069 H - I 555 -2281 E - F 582 -1712

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.

Purlins

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

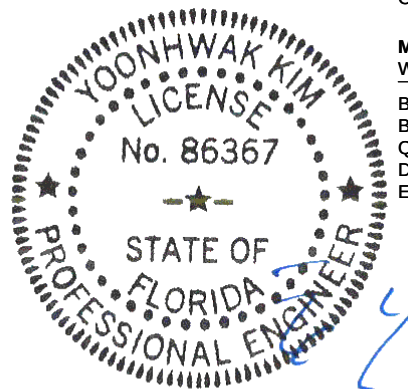
Wind

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

End verticals not exposed to wind pressure.

Additional Notes

The overall height of this truss excluding overhang is 11-10-3.

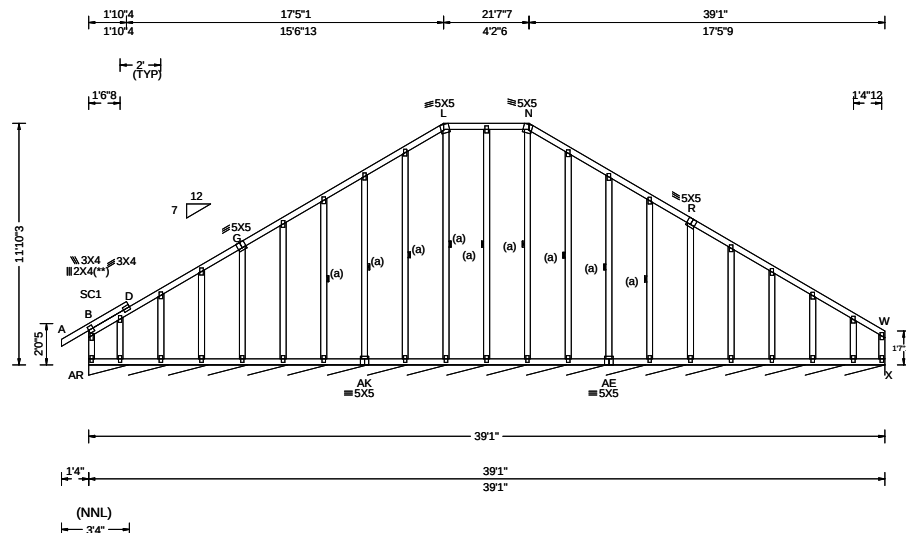


FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 310364 / FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 20-4441 Jones Residence Truss Label: B03	Cust: R 215 JRef: 1WYJ2150005 T14 / DrwNo: 253.20.1337.53045 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.41 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.002 M 999 240 VERT(CL): 0.003 M 999 180 HORZ(LL): -0.032 B - - HORZ(TL): 0.050 B - - Creep Factor: 2.0 Max TC CSI: 0.160 Max BC CSI: 0.062 Max Web CSI: 0.130 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity X* 85 /- /- /52 /- /2 Wind reactions based on MWFRS X Brg Width = 469 Min Req = - Bearing AR is a rigid surface. Members not listed have forces less than 375#

Lumber

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

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.

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

Purlins

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

Wind

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

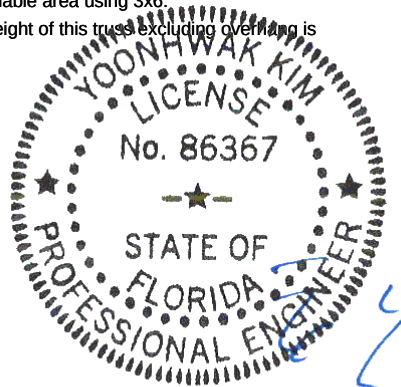
Left end vertical not exposed to wind pressure.

Additional Notes

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

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

The overall height of this truss excluding overhang is 11-10-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

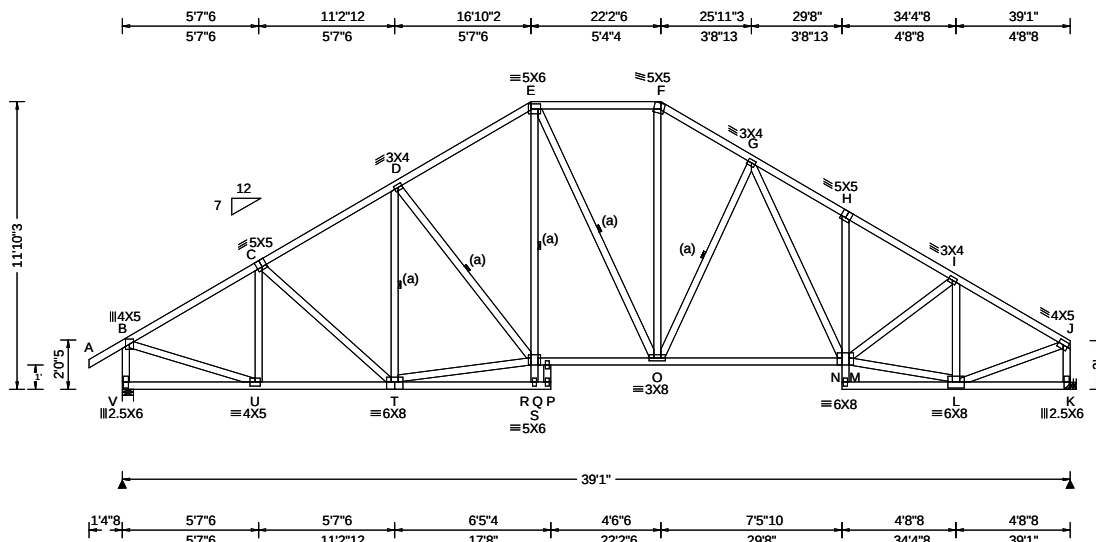
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6750 Forum Drive
Suite 305
Orlando FL, 32821



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.101 R 999 240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.209 R 999 180	V	1720	/-	/-	/1018	/294	/330
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.054 K - -	K	1623	/-	/-	/939	/270	/-
Des Ld: 40.00	EXP: C Kzt: NA	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.111 K - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 16.41 ft		Creep Factor: 2.0	V	Brg Width = 5.5			Min Req = 2.0		
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.394	K	Brg Width = -			Min Req = -		
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.758	Bearing V is a rigid surface.						
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.624	Members not listed have forces less than 375#						
	C&C Dist a: 3.91 ft			Maximum Top Chord Forces Per Ply (lbs)						
	Loc. from endwall: Any			Chords	Tens.Comp.		Chords	Tens. Comp.		
	GCpi: 0.18		VIEW Ver: 18.02.01B.0321.09	B - C	554 -1918		F - G	652 -1778		
	Wind Duration: 1.60									

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Purlins

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

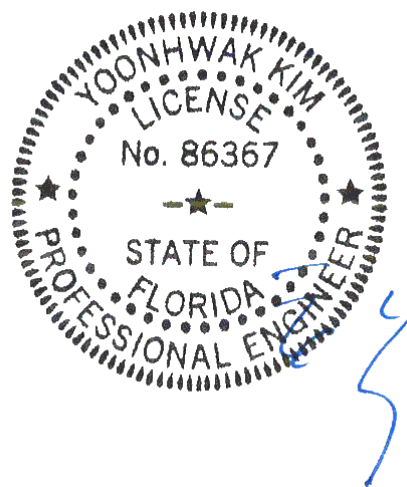
Wind

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

End verticals not exposed to wind pressure.

Additional Notes

The overall height of this truss excluding overhang is 11-10-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
 09/09/2020

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SEQN: 310316 / FROM: CDM Page 2 of 2	COMN Ply: 1 Qty: 5	Job Number: 20-4441 Jones Residence Truss Label: B04	Cust: R 215 JRef:1WYJ2150005 T1 / DrwNo: 253.20.1337.53435 / YK 09/09/2020
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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.

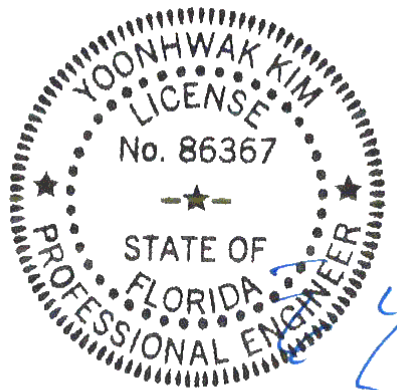
Bearing at location x=38'10" uses the following support conditions: 38'10"

Bearing K (38'10", 9'1"2) HUS26

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

(14) 0.148"x3" nails into supporting member,

(4) 0.148"x3" nails into supported member.



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09/09/2020

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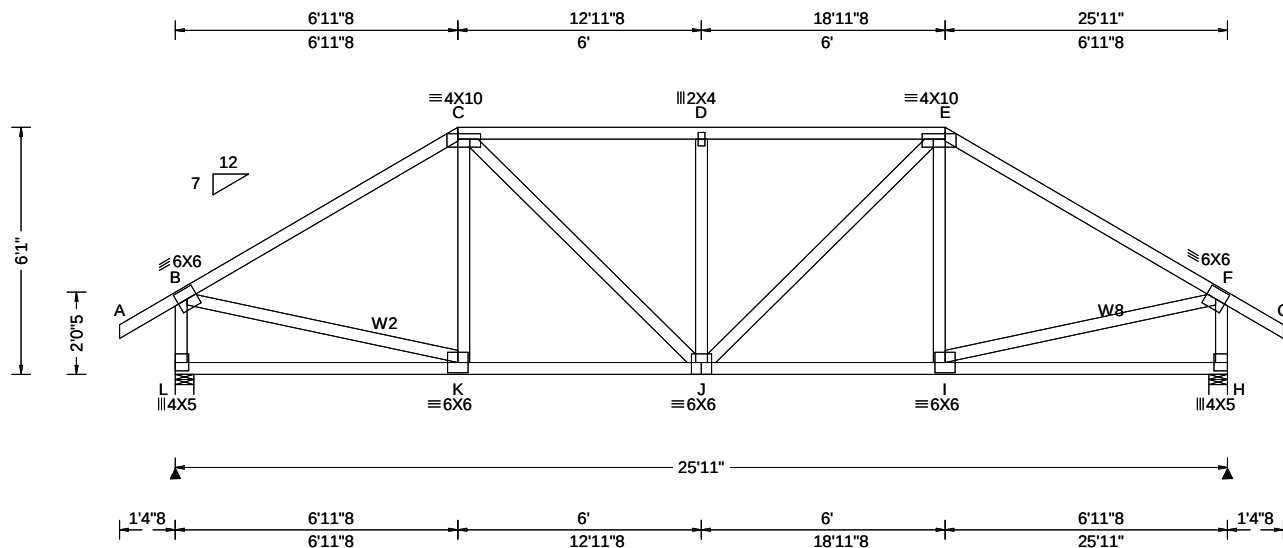
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 310335 / FROM: CDM	HIPS Ply: 1 Qty: 1	Job Number: 20-4441 Jones Residence Truss Label: C01	Cust: R 215 JRef: 1WYJ2150005 T21 / DrwNo: 253.20.1337.53343 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.105 D 999 240 VERT(CL): 0.211 D 999 180 HORZ(LL): 0.024 C - - HORZ(TL): 0.048 C - - Creep Factor: 2.0 Max TC CSI: 0.475 Max BC CSI: 0.583 Max Web CSI: 0.666 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh / Rw / U / RL L 2730 /- /- /- /170 /- H 2730 /- /- /- /170 /- Non-Gravity Wind reactions based on MWFRS L Brg Width = 5.5 Min Req = 2.3 H Brg Width = 5.5 Min Req = 2.3 Bearings L & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 158 -3449 D - E 116 -3659 C - D 116 -3659 E - F 158 -3449

Lumber

Top chord: 2x4 SP M-31;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3; W2,W8 2x4 SP #2;

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at -1.38 to 63 plf at 6.96
TC: From 32 plf at 6.96 to 32 plf at 18.96
TC: From 63 plf at 18.96 to 63 plf at 27.29
BC: From 5 plf at -1.38 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 6.99
BC: From 10 plf at 6.99 to 10 plf at 18.93
BC: From 20 plf at 18.93 to 20 plf at 25.92
BC: From 5 plf at 25.92 to 5 plf at 27.29
TC: 306 lb Conc. Load at 6.99,18.93
TC: 211 lb Conc. Load at 9.02,11.02,12.96,14.90
16.90
BC: 551 lb Conc. Load at 6.99,18.93
BC: 170 lb Conc. Load at 9.02,11.02,12.96,14.90
16.90

Purlins

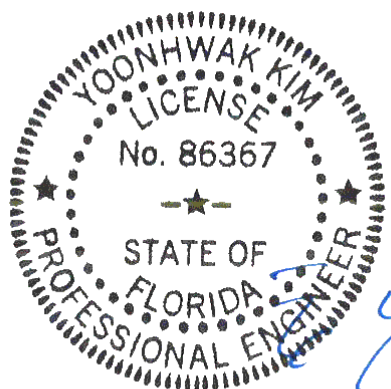
In lieu of structural panels use purlins to brace all flat
TC @ 24" oc.

Wind

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

Additional Notes

The overall height of this truss excluding overhang is
6-1-0.

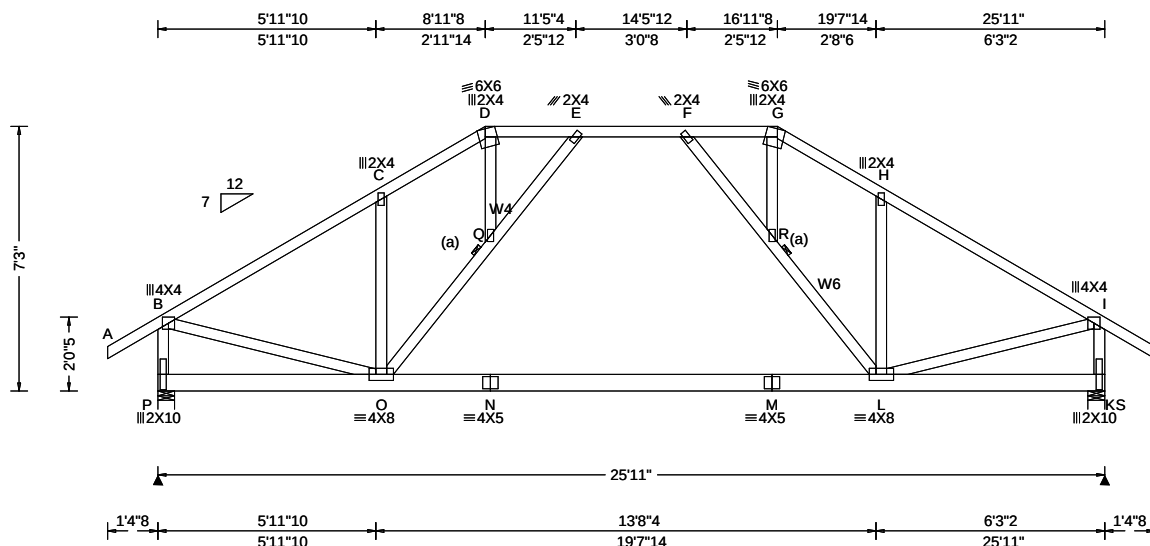


FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

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

SEQN: 317068 / FROM: CDM	HIPS Ply: 1 Qty: 2	Job Number: 20-4441 Jones Residence Truss Label: C02	Cust: R 215 JRef: 1WYJ2150005 T26 / DrwNo: 253.20.1337.52733 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.133 F 999 240 VERT(CL): 0.293 F 999 180 HORZ(LL): 0.091 C - - HORZ(TL): 0.167 C - - Creep Factor: 2.0 Max TC CSI: 0.949 Max BC CSI: 0.377 Max Web CSI: 0.785 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL P 1319 - / - / - / 684 / 208 / 175 S 1319 - / - / - / 684 / 208 / - Wind reactions based on MWFRS P Brg Width = 5.5 Min Req = 1.5 S Brg Width = 5.5 Min Req = 1.5 Bearings P & S are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 304 -1527 F - G 361 -1240 C - D 374 -1396 G - H 374 -1397 D - E 361 -1239 H - I 304 -1528 E - F 346 -1106

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W4, W6 2x4 SP #2;

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.

Purlins

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

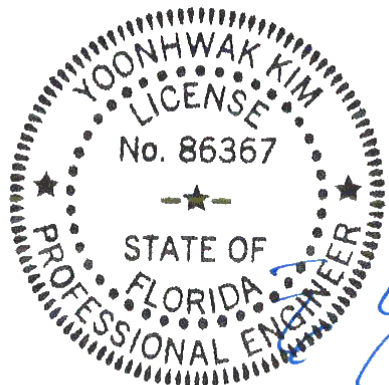
Wind

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

End verticals not exposed to wind pressure.

Additional Notes

The overall height of this truss excluding overhang is 7'-3".

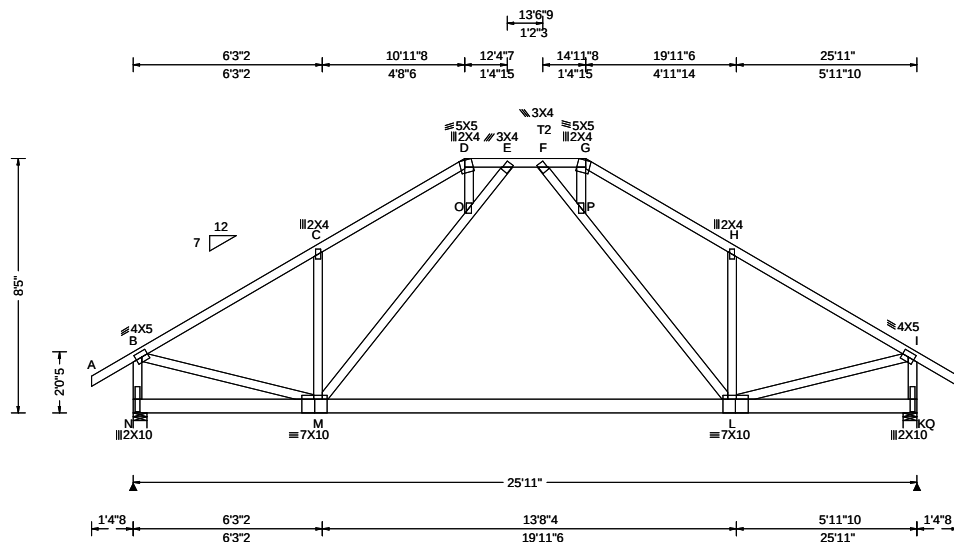


FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

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

SEQN: 317066 / FROM: CDM	HIPS Ply: 1 Qty: 2	Job Number: 20-4441 Jones Residence Truss Label: C03	Cust: R 215 JRef:1WYJ2150005 T29 / DrwNo: 253.20.1337.52841 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 36.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.111 H 999 240 VERT(CL): 0.183 H 999 180 HORZ(LL): 0.065 C - - HORZ(TL): 0.108 C - - Creep Factor: 2.0 Max TC CSI: 0.821 Max BC CSI: 0.649 Max Web CSI: 0.922 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh / Rw / U / RL N 1503 - / - / /686 /371 /204 Q 1516 - / - / /686 /381 - Wind reactions based on MWFRS N Brg Width = 5.5 Min Req = 1.5 Q Brg Width = 5.5 Min Req = 1.5 Bearings N & 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 497 -1889 F - G 416 -1581 C - D 488 -1848 G - H 504 -1867 D - E 402 -1564 H - I 513 -1909 E - F 321 -1115

Lumber

Top chord: 2x4 SP #2; T2 2x4 SP M-31;
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	63 plf at	-1.38 to	63 plf at	27.29
BC: From	5 plf at	-1.38 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	8.62
BC: From	60 plf at	8.62 to	60 plf at	9.25
BC: From	100 plf at	9.25 to	100 plf at	16.75
BC: From	60 plf at	16.75 to	60 plf at	18.06
BC: From	20 plf at	18.06 to	20 plf at	25.92
BC: From	5 plf at	25.92 to	5 plf at	27.29

Purlins

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

Wind

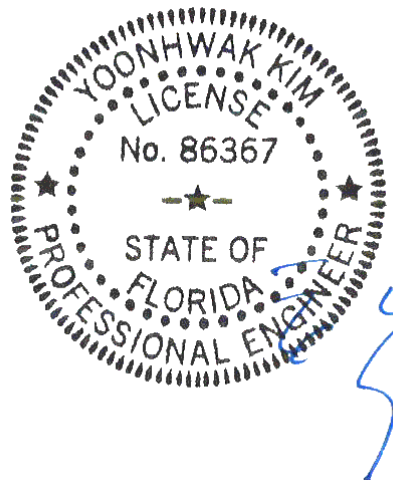
Wind loads based on MWFRS with additional C&C
member design.

End verticals not exposed to wind pressure.

Additional Notes

WARNING: 20 psf additional bottom chord live load
check has been modified

The overall height of this truss excluding overhang is
8-5-0.

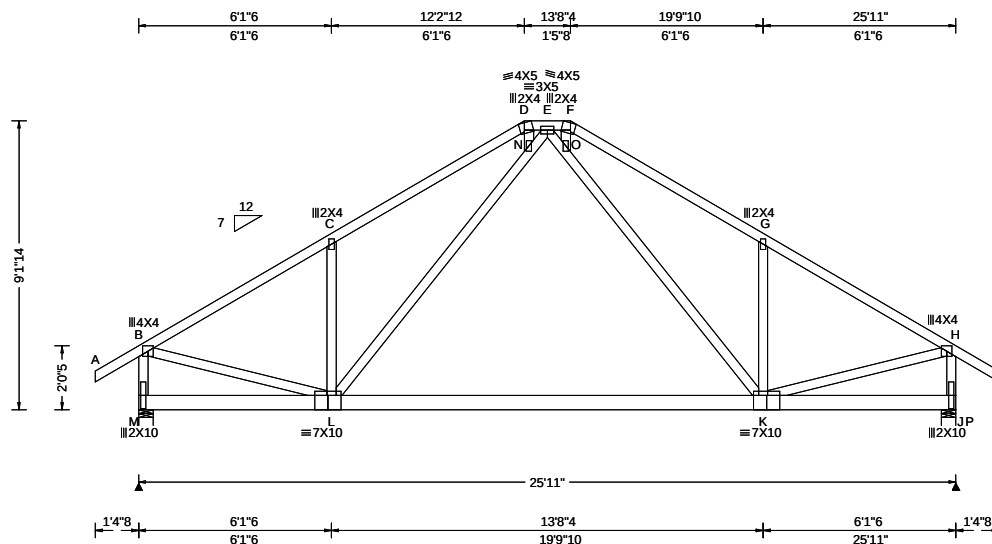


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09/09/2020

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

SEQN: 317062 / FROM: CDM	HIPS Ply: 1 Qty: 1	Job Number: 20-4441 Jones Residence Truss Label: C04	Cust: R 215 JRef: 1WYJ2150005 T30 / DrwNo: 253.20.1337.53374 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 36.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.056 C 999 240 VERT(CL): 0.099 C 999 180 HORZ(LL): 0.025 C - - HORZ(TL): 0.046 C - - Creep Factor: 2.0 Max TC CSI: 0.689 Max BC CSI: 0.401 Max Web CSI: 0.513 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity M 1340 - / - / - / 685 / 359 / 223 P 1340 - / - / - / 685 / 359 - / - Wind reactions based on MWFRS M Brg Width = 5.5 Min Req = 1.5 P Brg Width = 5.5 Min Req = 1.5 Bearings M & P are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 483 - 1609 E - F 405 - 1329 C - D 488 - 1619 F - G 488 - 1619 D - E 405 - 1329 G - H 483 - 1609

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	63 plf at	-1.38 to	63 plf at	27.29
BC: From	5 plf at	-1.38 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	8.71
BC: From	60 plf at	8.71 to	60 plf at	17.19
BC: From	20 plf at	17.19 to	20 plf at	25.92
BC: From	5 plf at	25.92 to	5 plf at	27.29

Purlins

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

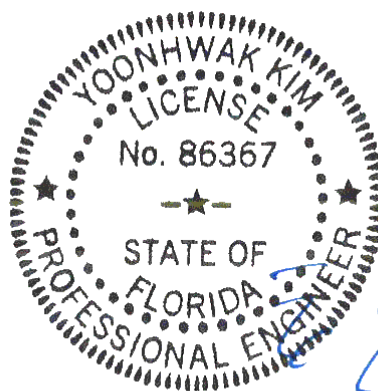
Wind

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

End verticals not exposed to wind pressure.

Additional Notes

The overall height of this truss excluding overhang is
9-1-14.

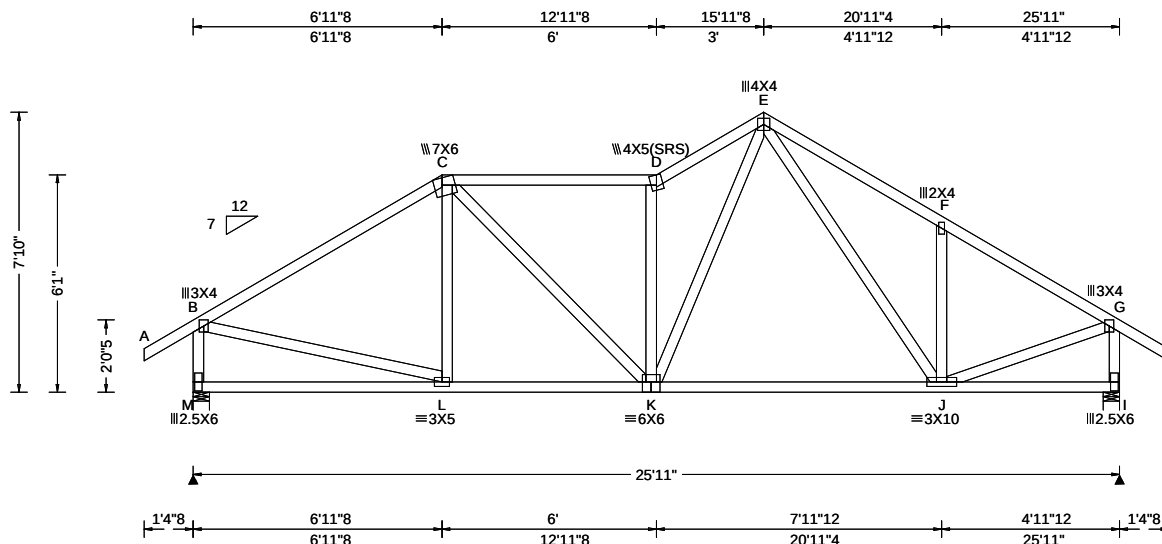


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09/09/2020

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

SEQN: 310348 / FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4441 Jones Residence Truss Label: C05	Cust: R 215 JRef: 1WYJ2150005 T2 / DrwNo: 253.20.1337.52811 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.056 D 999 240 VERT(CL): 0.115 D 999 180 HORZ(LL): 0.015 C - - HORZ(TL): 0.031 C - - Creep Factor: 2.0 Max TC CSI: 0.592 Max BC CSI: 0.624 Max Web CSI: 0.635 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh / Rw / U / RL M 1171 - / - / 674 /68 /189 I 1171 - / - / 679 /44 - Wind reactions based on MWFRS M Brg Width = 5.5 Min Req = 1.5 I Brg Width = 5.5 Min Req = 1.5 Bearings M & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 336 -1253 E - F 413 -1213 C - D 386 -1218 F - G 307 -1205 D - E 498 -1480

Lumber

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

Purlins

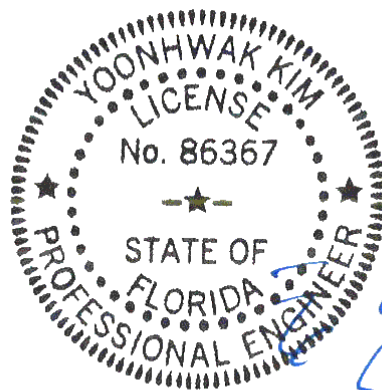
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 7'-10-0.

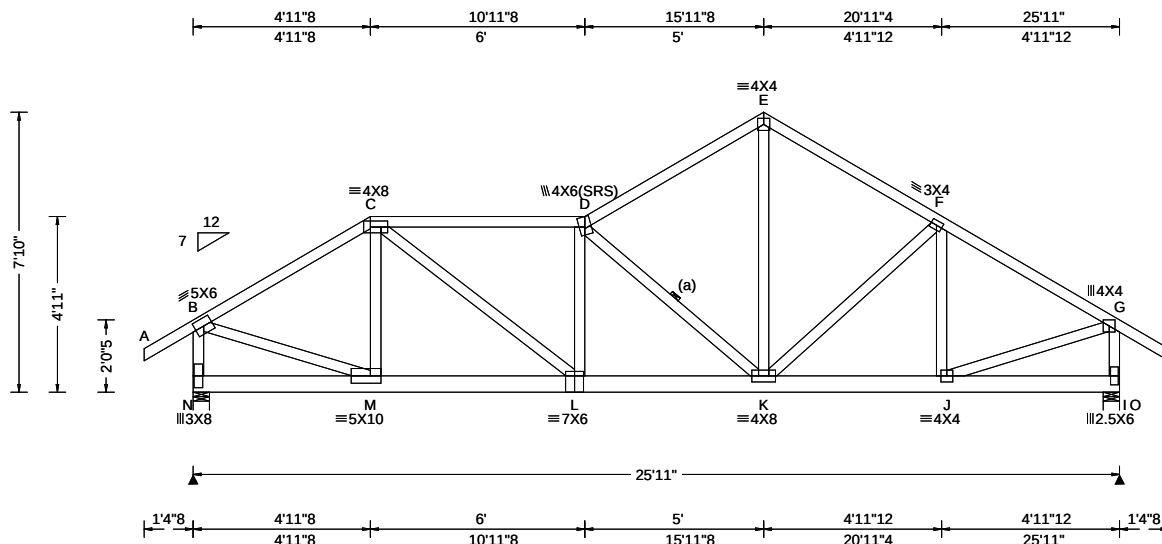


FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

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

SEQN: 310457 / FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4441 Jones Residence Truss Label: C06	Cust: R 215 JRef:1WYJ2150005 T19 / DrwNo: 253.20.1337.53373 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.080 D 999 240 VERT(CL): 0.161 D 999 180 HORZ(LL): 0.022 C - - HORZ(TL): 0.044 C - - Creep Factor: 2.0 Max TC CSI: 0.692 Max BC CSI: 0.384 Max Web CSI: 0.878 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh / Rw / U / RL N 2234 -/- /- /- /288 -/ O 1465 -/- /- /- /250 -/ Wind reactions based on MWFRS N Brg Width = 5.5 Min Req = 1.8 O Brg Width = 5.5 Min Req = 1.5 Bearings N & O 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 308 -2623 E - F 247 -1574 C - D 326 -2515 F - G 250 -1559 D - E 247 -1574

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP 2400f-2.0E;
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 63 plf at -1.38 to 63 plf at 27.29
BC: From 5 plf at -1.38 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 4.99
BC: From 10 plf at 4.99 to 10 plf at 5.94
BC: From 20 plf at 5.94 to 20 plf at 25.92
BC: From 5 plf at 25.92 to 5 plf at 27.29
TC: 222 lb Conc. Load at 4.99
BC: 240 lb Conc. Load at 4.99
BC: 905 lb Conc. Load at 5.94

Purlins

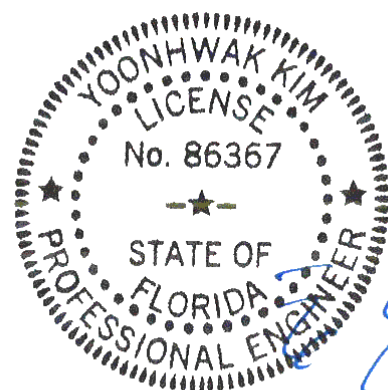
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 7'-10-0.

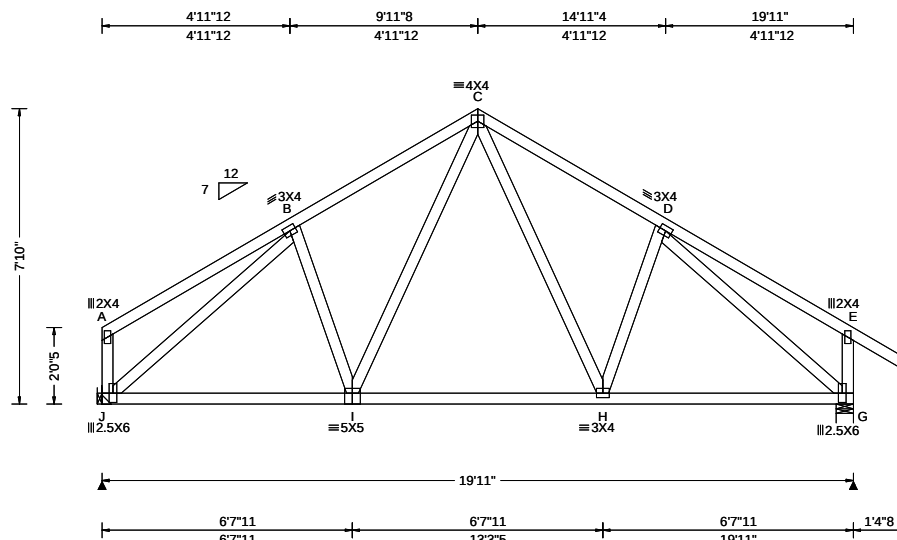


FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

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

SEQN: 310351 / FROM: CDM	COMN Ply: 1 Qty: 2	Job Number: 20-4441 Jones Residence Truss Label: D01	Cust: R 215 JRef:1WYJ2150005 T16 / DrwNo: 253.20.1337.52966 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.023 I 999 240 VERT(CL): 0.044 I 999 180 HORZ(LL): 0.013 E - - HORZ(TL): 0.025 E - - Creep Factor: 2.0 Max TC CSI: 0.296 Max BC CSI: 0.531 Max Web CSI: 0.867 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity J 888 - / - / 462 /10 /174 G 988 - / - / 540 /15 - Wind reactions based on MWFRS J Brg Width = - Min Req = - G Brg Width = 5.5 Min Req = 1.5 Bearing G is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 283 -945 C - D 275 -940

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' uses the following support conditions: 0'

Bearing J (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.

Loading

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

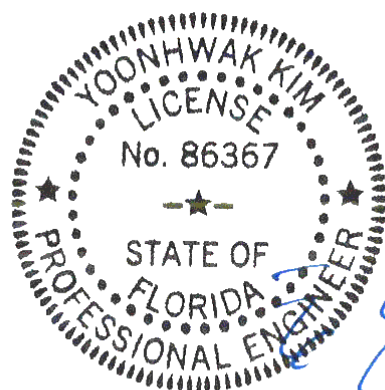
Wind

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

End verticals not exposed to wind pressure.

Additional Notes

The overall height of this truss excluding overhang is 7'-10-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
J - I	771 -104	H - G	762 -104
I - H	618 -30		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
J - B	166 -1026	D - G	140 -1023

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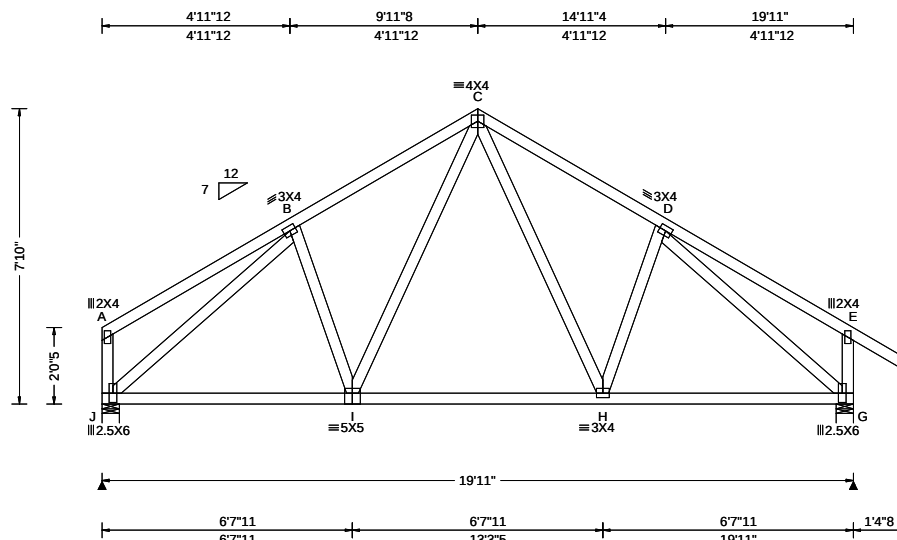
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 310354 / FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4441 Jones Residence Truss Label: D02	Cust: R 215 JRef:1WYJ2150005 T13 / DrwNo: 253.20.1337.53061 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.019 I 999 240 VERT(CL): 0.039 I 999 180 HORZ(LL): 0.011 E - - HORZ(TL): 0.023 E - - Creep Factor: 2.0 Max TC CSI: 0.297 Max BC CSI: 0.531 Max Web CSI: 0.776 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh / Rw / U / RL J 825 -/- /462 /10 /174 G 924 -/- /540 /15 -/ Wind reactions based on MWFRS J Brg Width = 5.5 Min Req = 1.5 G Brg Width = 5.5 Min Req = 1.5 Bearings J & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 283 -847 C - D 275 -841

Lumber

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

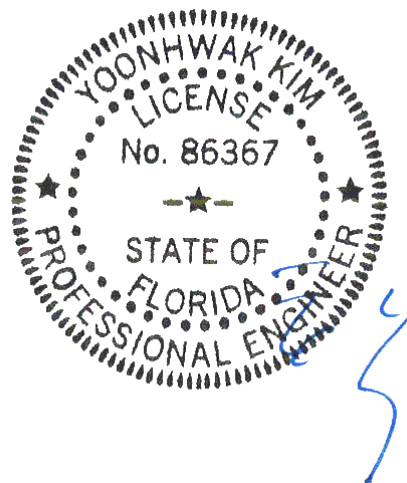
Wind

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

End verticals not exposed to wind pressure.

Additional Notes

The overall height of this truss excluding overhang is 7-10-0.



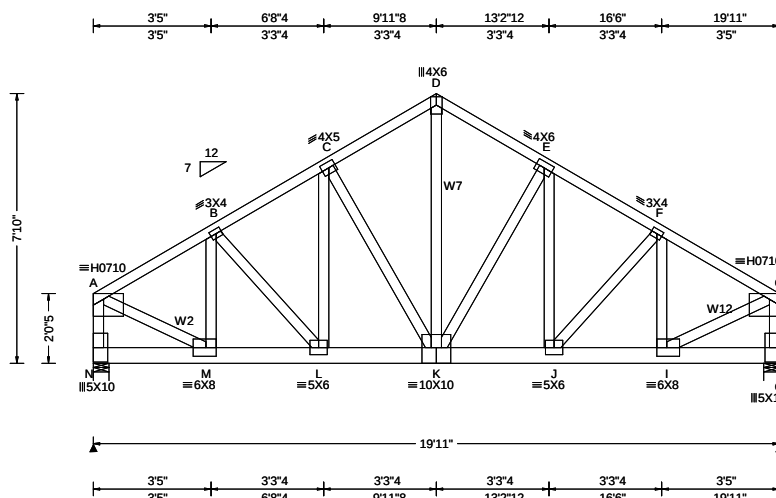
FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

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6750 Forum Drive
Suite 305
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SEQN: 310441 / FROM: CDM	COMN Ply: 2 Qty: 1	Job Number: 20-4441 Jones Residence Truss Label: D03	Cust: R 215 JRef: 1WYJ2150005 T15 / DrwNo: 253.20.1337.52857 / YK 09/09/2020
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): HS, WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.091 J 999 240 VERT(CL): 0.180 J 999 180 HORZ(LL): 0.033 B - - HORZ(TL): 0.066 B - - Creep Factor: 2.0 Max TC CSI: 0.381 Max BC CSI: 0.390 Max Web CSI: 0.909 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh / Rw / U / RL N 8048 -/- /- /- /1383 -/ O 8582 -/- /- /- /1408 -/ Wind reactions based on MWFRS N Brg Width = 5.5 Min Req = 3.3 O Brg Width = 5.5 Min Req = 3.6 Bearings N & O 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 693 -4032 D - E 596 -3537 B - C 718 -4206 E - F 707 -4262 C - D 596 -3537 F - G 696 -4220

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W2,W7,W12 2x4 SP #2;

Nailnote

Nail Schedule: 0.131"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 4.00" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails
in each row to avoid splitting.

Special Loads

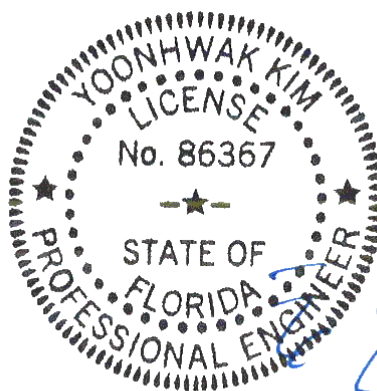
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at 0.00 to 63 plf at 19.92
BC: From 10 plf at 0.00 to 10 plf at 19.92
BC: 1623 lb Conc. Load at 2.02, 4.02, 6.02, 8.02
10.02
BC: 1607 lb Conc. Load at 12.06
BC: 1608 lb Conc. Load at 14.06
BC: 1921 lb Conc. Load at 16.06, 18.06

Wind

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

Additional Notes

The overall height of this truss excluding overhang is
7-10-0.

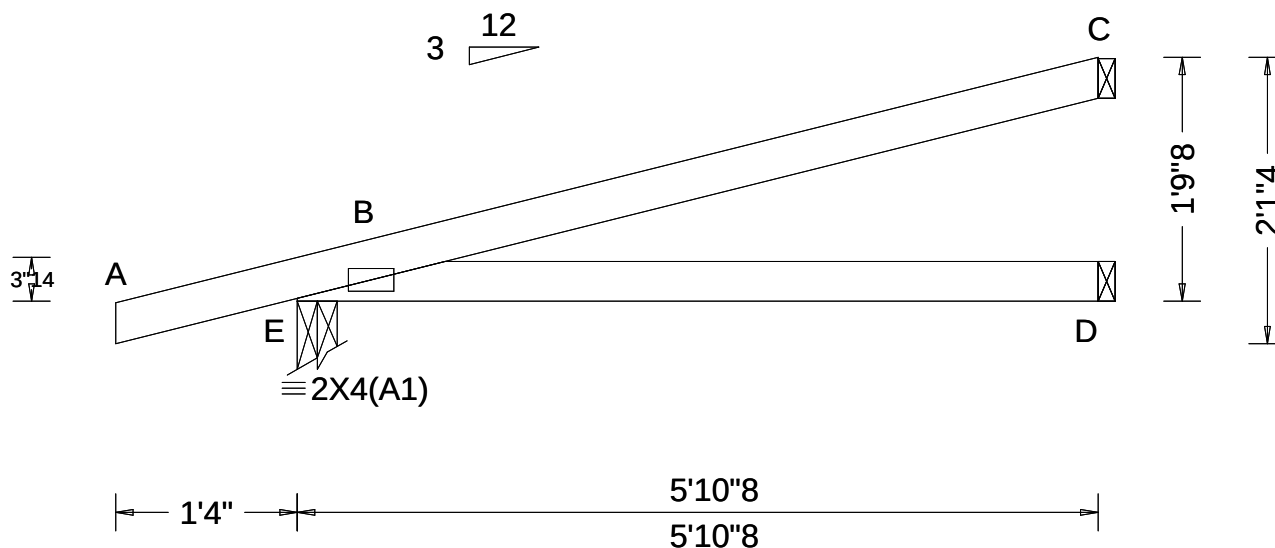


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09/09/2020

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

SEQN: 310311 / FROM: CDM	MONO Ply: 1 Qty: 17	Job Number: 20-4441 Jones Residence Truss Label: E01	Cust: R 215 JRef: 1WYJ2150005 T41 / DrwNo: 253.20.1337.53170 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.009 D - - HORZ(TL): 0.017 D - - Creep Factor: 2.0 Max TC CSI: 0.432 Max BC CSI: 0.333 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 341 /- /- /187 /83 /51 D 104 /- /- /70 /- /- C 148 /- /- /45 /45 /- Wind reactions based on MWFRS E Brg Width = 3.5 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

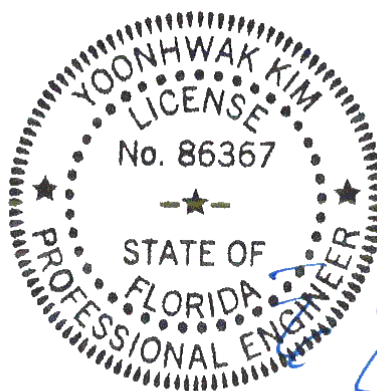
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 1-9-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

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

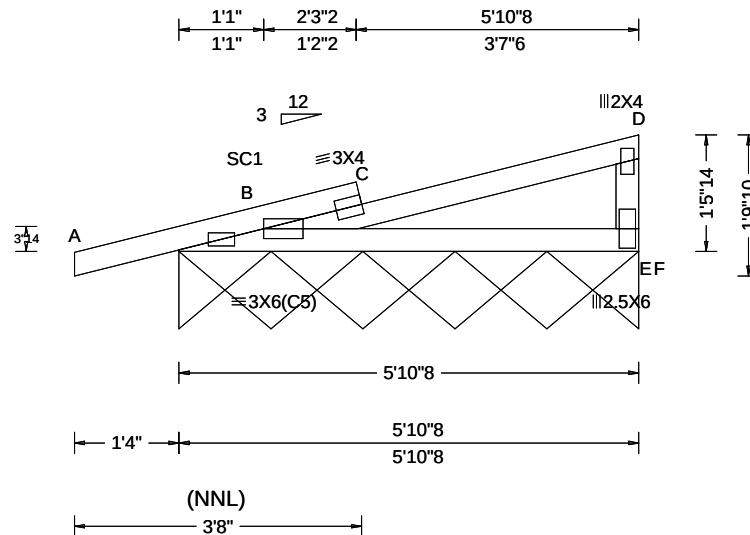
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 310313 / FROM: CDM	GABL Ply: 1 Qty: 2	Job Number: 20-4441 Jones Residence Truss Label: E02	Cust: R 215 JRef: 1WYJ2150005 T23 / DrwNo: 253.20.1337.53310 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.049 C 999 240 VERT(CL): 0.094 C 710 180 HORZ(LL): -0.007 D - - HORZ(TL): 0.013 D - - Creep Factor: 2.0 Max TC CSI: 0.355 Max BC CSI: 0.313 Max Web CSI: 0.146 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL F* 95 /- /- /51 /19 /9 Wind reactions based on MWFRS F Brg Width = 70.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 341 -394

Lumber

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

Plating Notes

All plates are 2X4(C5) except as noted.

Purlins

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

Wind

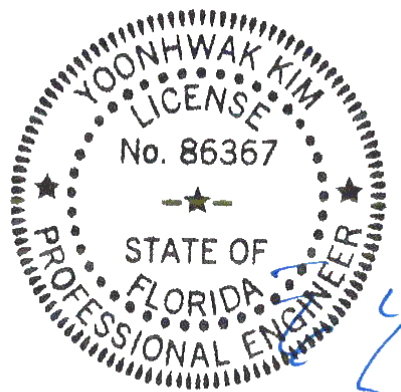
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

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

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

The overall height of this truss excluding overhang is 1'-5-14".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

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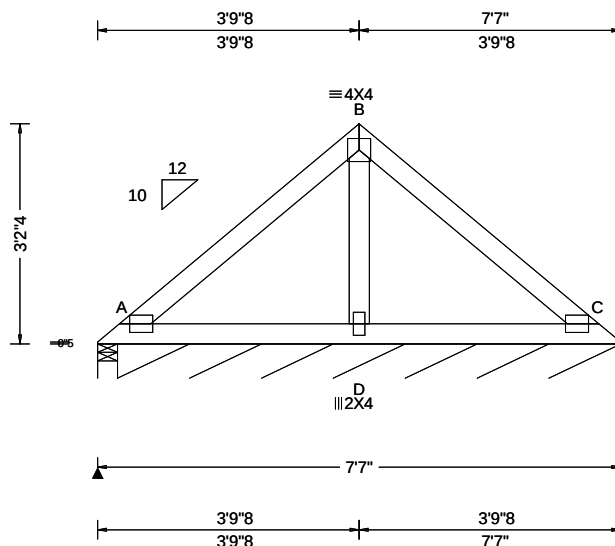
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

SEQN: 310901 / FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 20-4441 Jones Residence Truss Label: G01	Cust: R 215 JRef: 1WYJ2150005 T37 / DrwNo: 253.20.1337.53528 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 21.99 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.004 D 999 240 VERT(CL): 0.010 D 999 180 HORZ(LL): 0.003 D - - HORZ(TL): 0.006 D - - Creep Factor: 2.0 Max TC CSI: 0.207 Max BC CSI: 0.164 Max Web CSI: 0.079 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 69 /- /- /45 /- /87 C* 77 /- /- /44 /20 /- Wind reactions based on MWFRS A Brg Width = 3.5 Min Req = 1.5 C Brg Width = 87.5 Min Req = - Bearings A & A 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 3X4(D1) except as noted.

Purlins

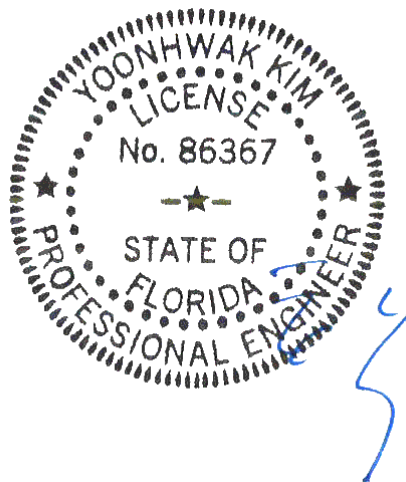
In lieu of structural panels use purlins to brace TC @ 24" oc.

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 3-2-4.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

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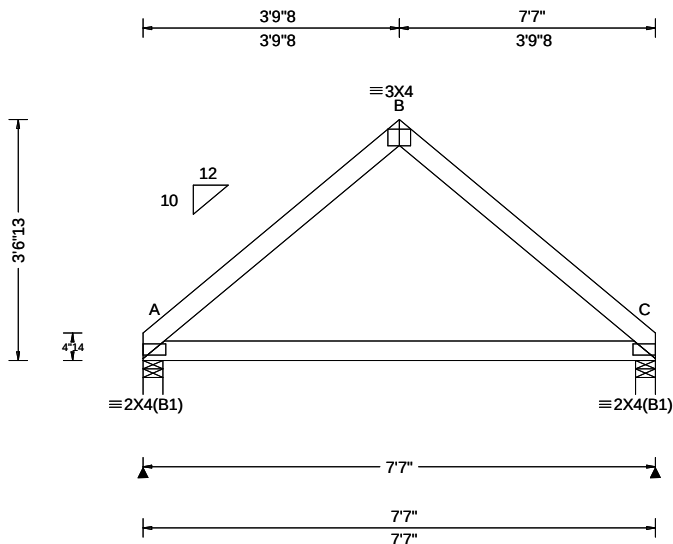
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 310897 / FROM: CDM	COMN Ply: 1 Qty: 6	Job Number: 20-4441 Jones Residence Truss Label: G02	Cust: R 215 JRef: 1WYJ2150005 T36 / DrwNo: 253.20.1337.52703 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 22.24 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: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.003 999 240 VERT(CL): 0.010 999 180 HORZ(LL): -0.004 - - HORZ(TL): 0.014 - - Creep Factor: 2.0 Max TC CSI: 0.225 Max BC CSI: 0.420 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 326 /- /- /190 /79 /96 C 326 /- /- /190 /79 /- Wind reactions based on MWFRS A Brg Width = 3.5 Min Req = 1.5 C Brg Width = 3.5 Min Req = 1.5 Bearings A & C are a rigid surface. Members not listed have forces less than 375#

Lumber

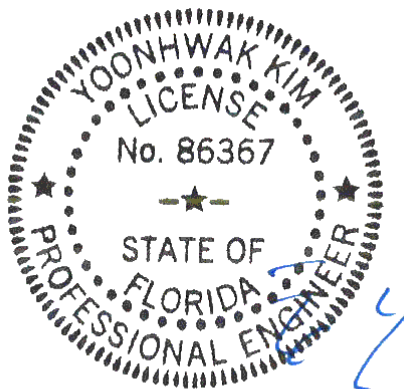
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 3-6-13.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

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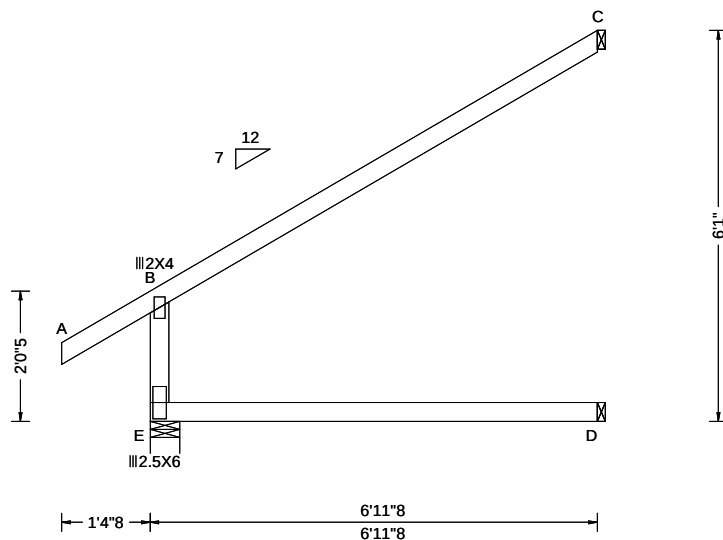
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

SEQN: 310322 / FROM: CDM	EJAC Ply: 1 Qty: 7	Job Number: 20-4441 Jones Residence Truss Label: J01	Cust: R 215 JRef: 1WYJ2150005 T22 / DrwNo: 253.20.1337.53216 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 B 999 240 VERT(CL): 0.001 B 999 180 HORZ(LL): -0.001 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.905 Max BC CSI: 0.600 Max Web CSI: 0.080 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 423 /- /- /304 /120 /- D 170 /- /- /93 /- /- C 211 /- /- /83 /9 /138 Wind reactions based on MWFRS E Brg Width = 5.5 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;
Webs: 2x4 SP #3;

Loading

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

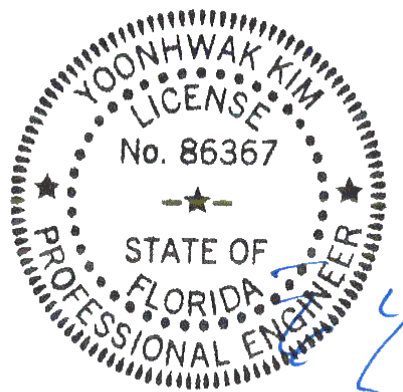
Wind

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

Left end vertical not exposed to wind pressure.

Additional Notes

The overall height of this truss excluding overhang is 6'-1-0".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

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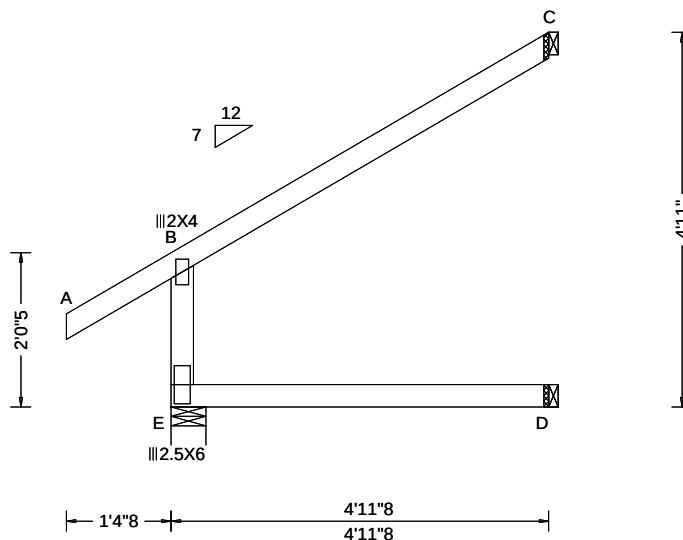
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 310324 / FROM: CDM	JACK Ply: 1 Qty: 5	Job Number: 20-4441 Jones Residence Truss Label: J02	Cust: R 215 JRef: 1WYJ2150005 T18 / DrwNo: 253.20.1337.52983 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 B 999 240 VERT(CL): 0.001 B 999 180 HORZ(LL): -0.001 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.398 Max BC CSI: 0.305 Max Web CSI: 0.073 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 312 /- /- /248 /98 /- D 99 /- /- /66 /- /- C 144 /- /- /65 /1 /105 Wind reactions based on MWFRS E Brg Width = 5.5 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;
Webs: 2x4 SP #3;

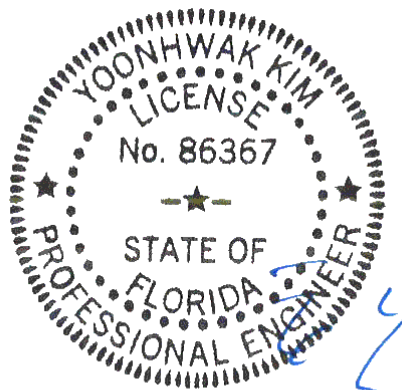
Wind

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

Left end vertical not exposed to wind pressure.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

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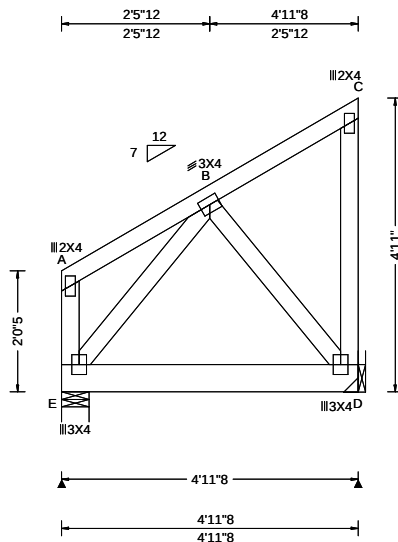
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 310455 / FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 20-4441 Jones Residence Truss Label: J02A	Cust: R 215 JRef: 1WYJ2150005 T42 / DrwNo: 253.20.1337.53434 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 B 999 240 VERT(CL): 0.001 B 999 180 HORZ(LL): 0.000 B - - HORZ(TL): 0.000 B - - Creep Factor: 2.0 Max TC CSI: 0.111 Max BC CSI: 0.753 Max Web CSI: 0.158 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 1233 /- /- /- /63 /- D 905 /- /- /- /59 /- Wind reactions based on MWFRS E Brg Width = 5.5 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 63 plf at 0.00 to 63 plf at 4.96
BC: From 10 plf at 0.00 to 10 plf at 4.96
BC: 888 lb Conc. Load at 1.02, 3.02

Hangers / Ties

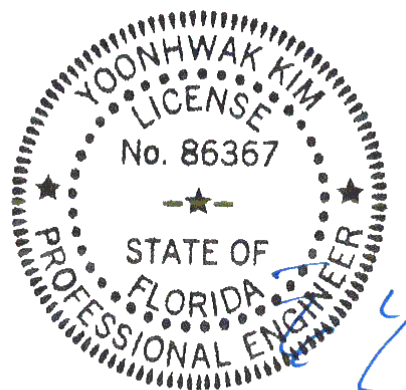
(J) Hanger Support Required, by others

Wind

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

Additional Notes

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



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09/09/2020

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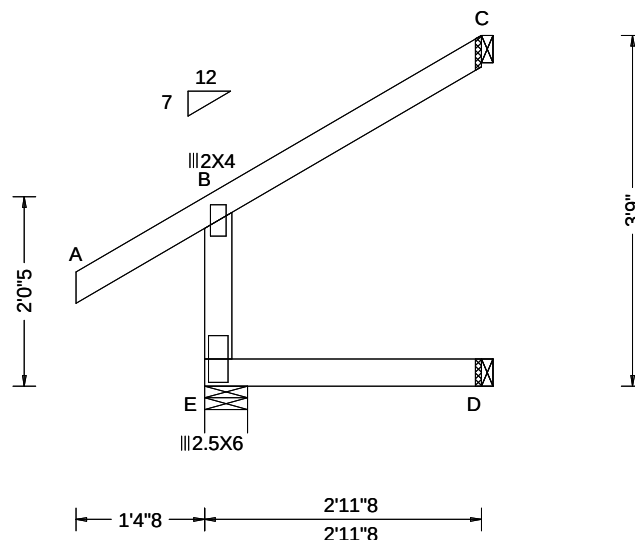
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

SEQN: 310326 / FROM: CDM	JACK Ply: 1 Qty: 6	Job Number: 20-4441 Jones Residence Truss Label: J03	Cust: R 215 JRef: 1WYJ2150005 T17 / DrwNo: 253.20.1337.53543 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 B 999 240 VERT(CL): 0.001 B 999 180 HORZ(LL): -0.000 B - - HORZ(TL): 0.000 B - - Creep Factor: 2.0 Max TC CSI: 0.151 Max BC CSI: 0.107 Max Web CSI: 0.065 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 238 /- /- /198 /77 /- D 59 /- /- /40 /- /- C 72 /- /- /48 /8 /72 Wind reactions based on MWFRS E Brg Width = 5.5 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;
Webs: 2x4 SP #3;

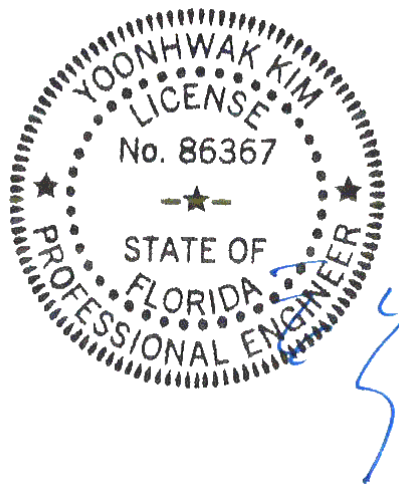
Wind

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

Left end vertical not exposed to wind pressure.

Additional Notes

The overall height of this truss excluding overhang is 3-9-0.



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09/09/2020

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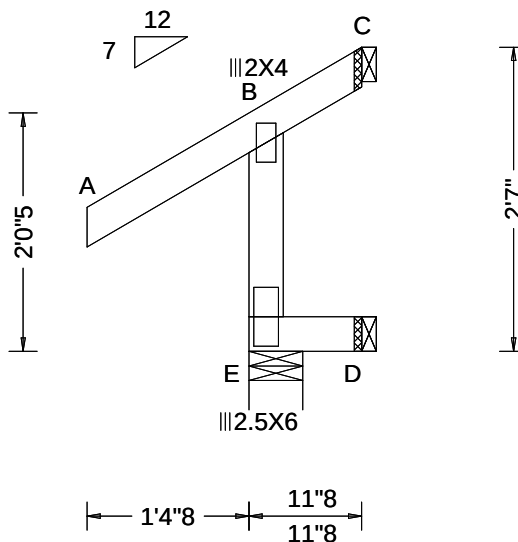
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

SEQN: 310328 / FROM: CDM	JACK Ply: 1 Qty: 6	Job Number: 20-4441 Jones Residence Truss Label: J04	Cust: R 215 JRef: 1WYJ2150005 T3 / DrwNo: 253.20.1337.53171 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 B 999 240 VERT(CL): 0.001 B 999 180 HORZ(LL): 0.000 B - - HORZ(TL): 0.000 B - - Creep Factor: 2.0 Max TC CSI: 0.151 Max BC CSI: 0.009 Max Web CSI: 0.066 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 200 /- /- /181 /70 /- D 19 /- /- /13 /- /- C - /-37 /- /46 /64 /38 Wind reactions based on MWFRS E Brg Width = 5.5 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;
Webs: 2x4 SP #3;

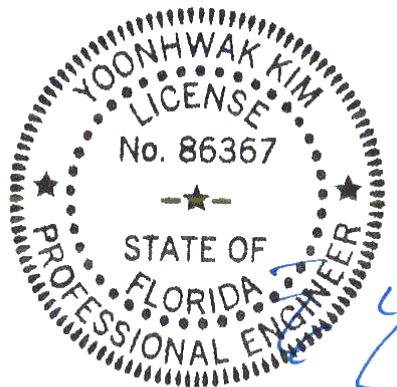
Wind

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

Left end vertical not exposed to wind pressure.

Additional Notes

The overall height of this truss excluding overhang is 2'-7"-0.



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09/09/2020

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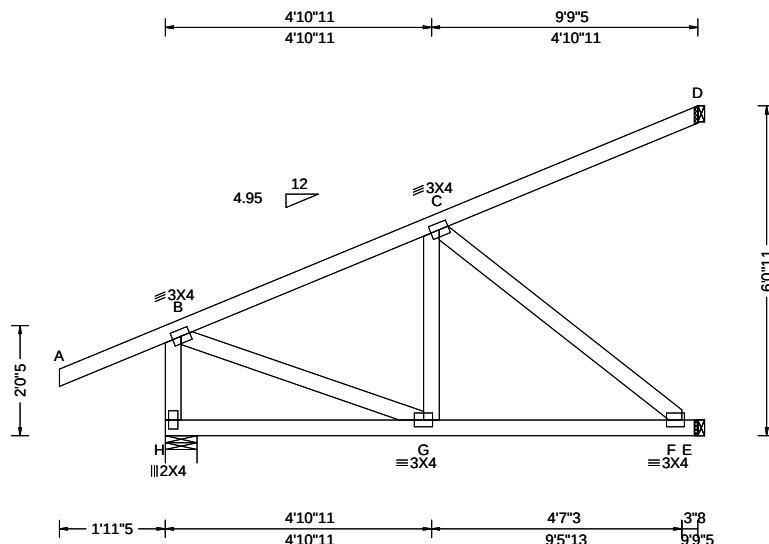
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 310330 / FROM: CDM	HIP_	Ply: 1 Qty: 2	Job Number: 20-4441 Jones Residence Truss Label: J05HJ	Cust: R 215 JRef: 1WYJ2150005 T25 / DrwNo: 253.20.1337.53559 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.014 F 999 240 VERT(CL): 0.027 F 999 180 HORZ(LL): 0.006 C - - HORZ(TL): 0.012 C - - Creep Factor: 2.0 Max TC CSI: 0.714 Max BC CSI: 0.702 Max Web CSI: 0.362 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL H 380 /- /- /- /113 /- E 381 /- /- /2 /- /- D 96 /- /- /9 /- /- Wind reactions based on MWFRS H Brg Width = 7.0 Min Req = 1.5 E Brg Width = 1.5 Min Req = - D Brg Width = 1.5 Min Req = - Bearing H is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.

Lumber

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

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 0 plf at -1.94 to 62 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 9.78
BC: From 0 plf at -1.94 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 9.78
TC: -33 lb Conc. Load at 1.36
TC: 144 lb Conc. Load at 4.18
TC: 287 lb Conc. Load at 7.01
BC: 38 lb Conc. Load at 1.36
BC: 118 lb Conc. Load at 4.18
BC: 198 lb Conc. Load at 7.01

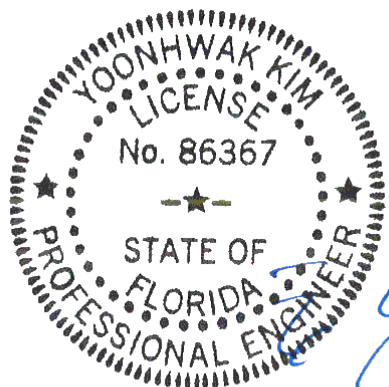
Wind

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

Additional Notes

The overall height of this truss excluding overhang is 6'-0"-11".

Provide (3) 16d common 0.162"x3.5", toe-nails at TC.
Provide (3) 16d common 0.162"x3.5", toe-nails at BC.

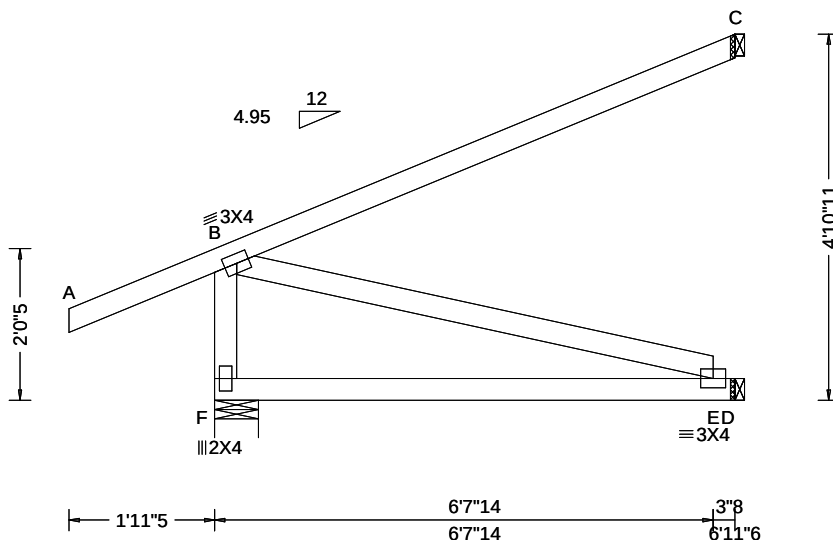


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09/09/2020

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

SEQN: 310332 / FROM: CDM	HIP_	Ply: 1 Qty: 1	Job Number: 20-4441 Jones Residence Truss Label: J06HJ	Cust: R 215 JRef: 1WYJ2150005 T20 / DrwNo: 253.20.1337.53498 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.015 E 999 240 VERT(CL): 0.036 E 999 180 HORZ(LL): 0.004 B - - HORZ(TL): 0.010 B - - Creep Factor: 2.0 Max TC CSI: 0.614 Max BC CSI: 0.625 Max Web CSI: 0.172 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL F 272 /- /- /- /116 /- D 141 /- /- /10 /- /- C 78 /- /- /- /22 /- Wind reactions based on MWFRS F Brg Width = 7.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing F 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;

Special Loads

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

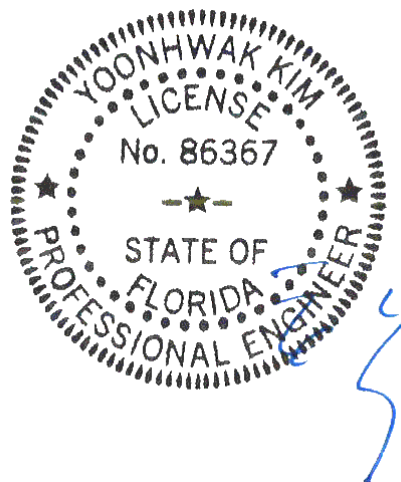
TC: From 0 plf at -1.94 to 62 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 6.95
BC: From 0 plf at -1.94 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 6.95
TC: -33 lb Conc. Load at 1.36
TC: 144 lb Conc. Load at 4.18
BC: 38 lb Conc. Load at 1.36
BC: 118 lb Conc. Load at 4.18

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 4-10-11.



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09/09/2020

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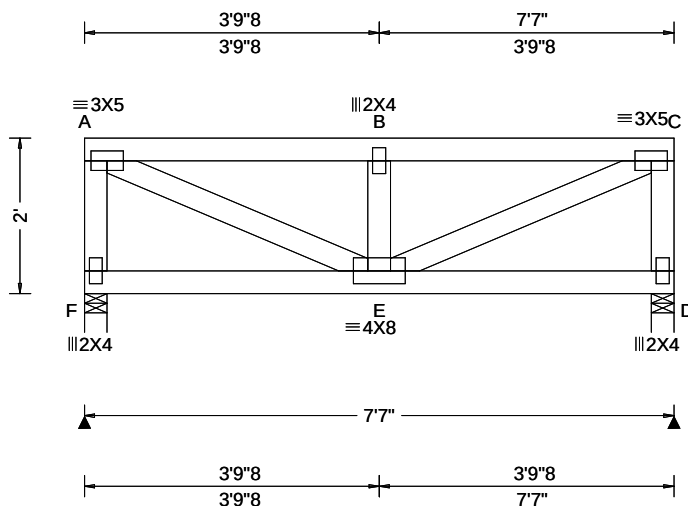
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 333406 FROM: CDM	FLAT Ply: 2 Qty: 1	Job Number: 20-4441 Jones Residence Truss Label: FLT01	Cust: R 215 JRef: 1WYJ2150005 T35 DrwNo: 253.20.1341.12713 / YK 09/09/2020
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.020 B 999 240 VERT(CL): 0.043 B 999 180 HORZ(LL): 0.003 A - - HORZ(TL): 0.007 A - - Creep Factor: 2.0 Max TC CSI: 0.851 Max BC CSI: 0.083 Max Web CSI: 0.469 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL F 1448 -/- /- /- /308 -/ D 1433 -/- /- /- /304 -/ Wind reactions based on MWFRS F Brg Width = 3.5 Min Req = 1.5 D Brg Width = 3.5 Min Req = 1.5 Bearings F & D 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 252 -1142 B - C 252 -1142

Lumber

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

Nailnote

Nail Schedule: 0.131"x3", min. nails
Top Chord: 1 Row @ 4.50" 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 4 plf at 0.00 to 4 plf at 7.58
BC: From 20 plf at 0.00 to 20 plf at 7.58
TC: 900 lb Conc. Load at 1.73, 3.73, 5.85

Purlins

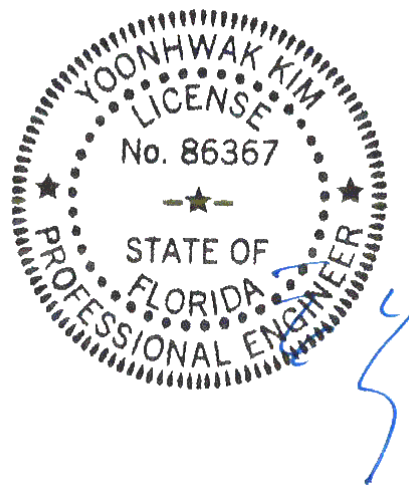
The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

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 2'-0".

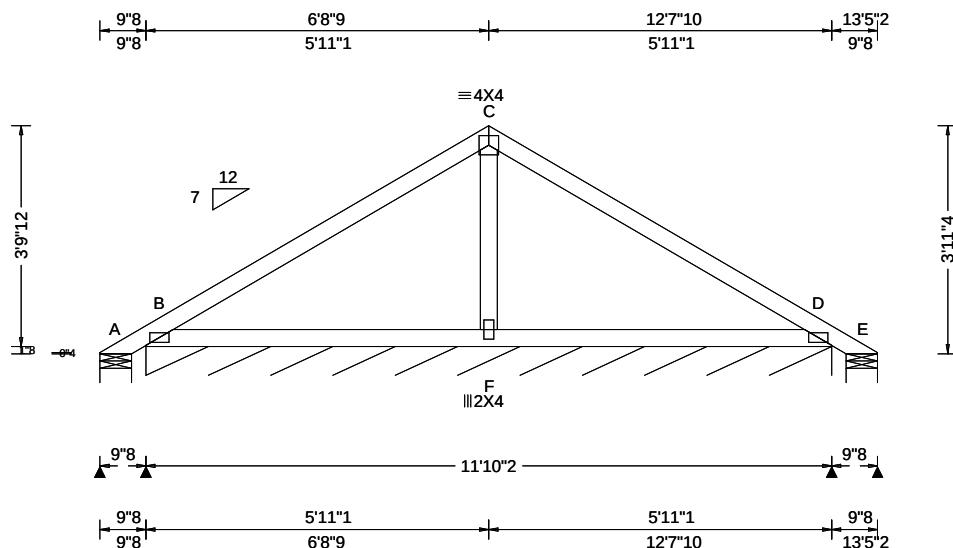


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09/09/2020

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

SEQN: 310893 / FROM: CDM	COMN Ply: 1 Qty: 16	Job Number: 20-4441 Jones Residence Truss Label: PB01	Cust: R 215 JRef: 1WYJ2150005 T7 / DrwNo: 253.20.1337.53154 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.99 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 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.006 F 999 240 VERT(CL): 0.013 F 999 180 HORZ(LL): -0.004 F - - HORZ(TL): 0.009 F - - Creep Factor: 2.0 Max TC CSI: 0.424 Max BC CSI: 0.398 Max Web CSI: 0.024 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A - /-308 /- /99 /208 /104 B* 171 /- /- /59 /24 /- E - /-308 /- /88 /157 /- Wind reactions based on MWFRS A Brg Width = 6.5 Min Req = 1.5 B Brg Width = 142 Min Req = - E Brg Width = 6.5 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

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

Wind

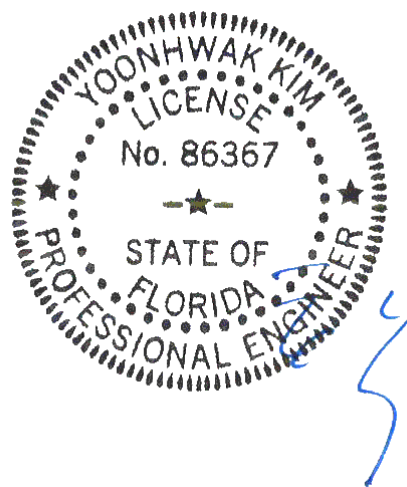
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Negative reaction(s) of -308# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

Refer to DWG PB160101014 for piggyback details.

The overall height of this truss excluding overhang is 3-11-4.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

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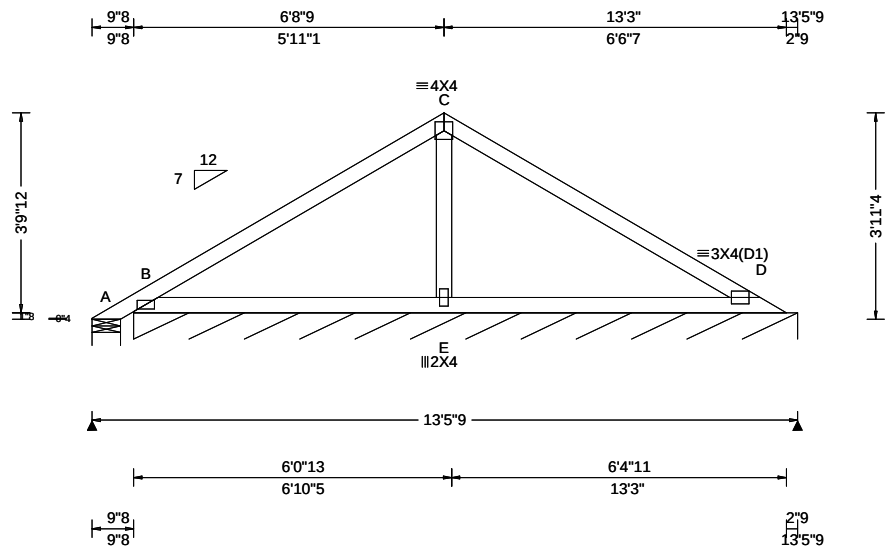
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 333404 FROM: CDM	SPEC Ply: 1 Qty: 3	Job Number: 20-4441 Jones Residence Truss Label: PB01A	Cust: R 215 JRef: 1WYJ2150005 T32 DrwNo: 253.20.1341.19463 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 1.2 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.037 E 999 240 VERT(CL): 0.063 E 999 180 HORZ(LL): -0.015 E - - HORZ(TL): 0.024 E - - Creep Factor: 2.0 Max TC CSI: 0.562 Max BC CSI: 0.325 Max Web CSI: 0.147 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A - /-244 /- /118 /210 /97 B* 86 /- /- /61 /30 /- Wind reactions based on MWFRS A Brg Width = 6.5 Min Req = 1.5 B Brg Width = 152 Min Req = - Bearings A & B are a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. C - E 213 -526

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

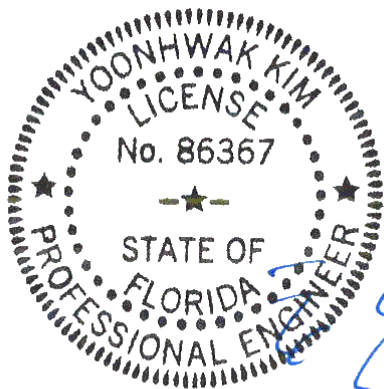
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Negative reaction(s) of -244# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

Refer to DWG PB160101014 for piggyback details.

The overall height of this truss excluding overhang is 3-11-4.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

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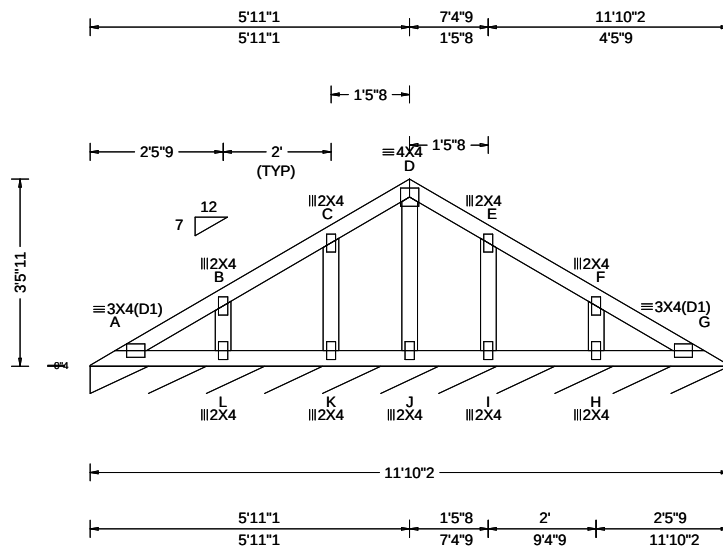
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ALPINE
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 310429 / FROM: CDM	COMN Ply: 1 Qty: 2	Job Number: 20-4441 Jones Residence Truss Label: PB02	Cust: R 215 JRef: 1WYJ2150005 T43 / DrwNo: 253.20.1337.53091 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.99 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 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.002 H 999 240 VERT(CL): 0.004 H 999 180 HORZ(LL): -0.001 H - - HORZ(TL): 0.002 H - - Creep Factor: 2.0 Max TC CSI: 0.084 Max BC CSI: 0.058 Max Web CSI: 0.027 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A* 105 /- /- /41 /- /- Wind reactions based on MWFRS A Brg Width = 142 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Loading

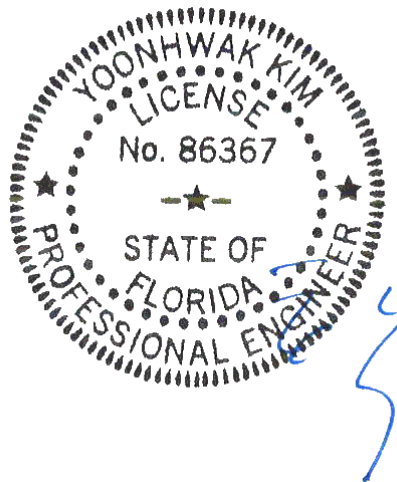
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

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

Additional Notes

Refer to DWG PB160101014 for piggyback details.
The overall height of this truss excluding overhang is 3'-7"-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

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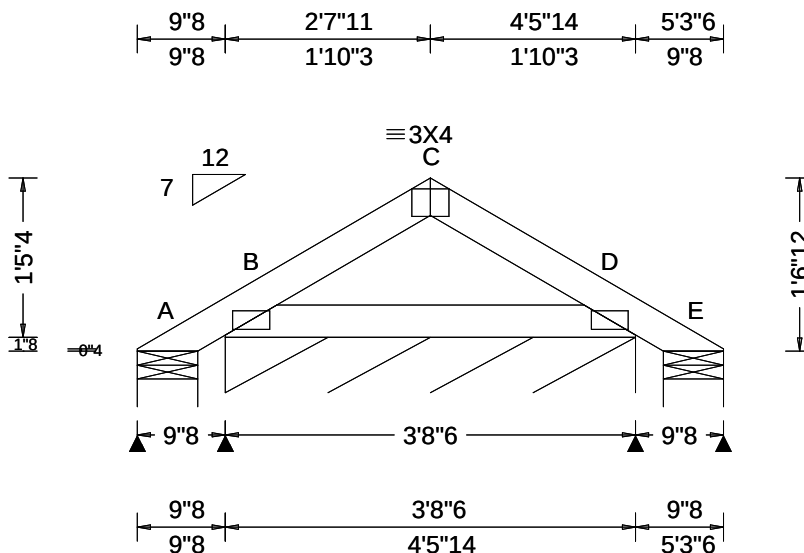
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 310318 / FROM: CDM	COMN Ply: 1 Qty: 10	Job Number: 20-4441 Jones Residence Truss Label: PB03	Cust: R 215 JRef: 1WYJ2150005 T24 / DrwNo: 253.20.1337.53248 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.41 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 999 240 VERT(CL): 0.002 999 180 HORZ(LL): -0.001 - - HORZ(TL): 0.001 - - Creep Factor: 2.0 Max TC CSI: 0.040 Max BC CSI: 0.135 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A 9 /- /- /20 /17 /38 B* 154 /- /- /52 /8 /- E 9 /- /- /3 /3 /- Wind reactions based on MWFRS A Brg Width = 6.5 Min Req = 1.5 B Brg Width = 44.4 Min Req = - E Brg Width = 6.5 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;

Plating Notes

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

Loading

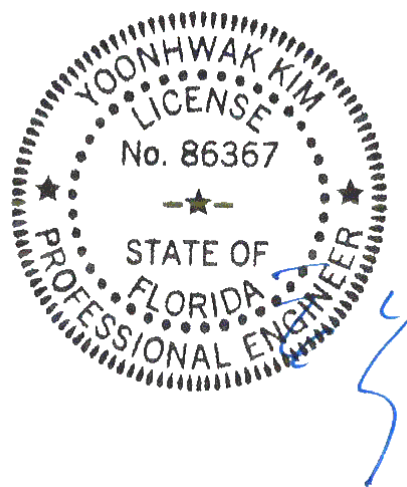
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

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

Additional Notes

Refer to DWG PB160101014 for piggyback details.
The overall height of this truss excluding overhang is 1'-6-12.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

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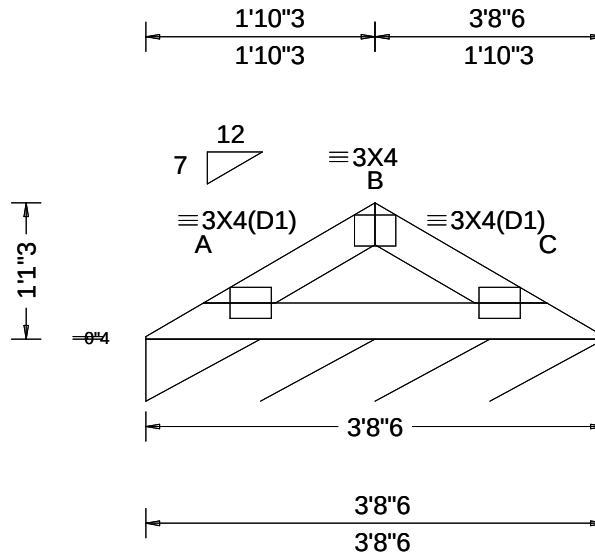
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 310368 / FROM: CDM	COMN Ply: 1 Qty: 2	Job Number: 20-4441 Jones Residence Truss Label: PB04	Cust: R 215 JRef: 1WYJ2150005 T10 / DrwNo: 253.20.1337.53342 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.41 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 GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.004 999 240 VERT(CL): 0.009 999 180 HORZ(LL): -0.001 - - HORZ(TL): 0.003 - - Creep Factor: 2.0 Max TC CSI: 0.104 Max BC CSI: 0.149 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A* 107 /- /- /37 /- /- Wind reactions based on MWFRS A Brg Width = 44.4 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Loading

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

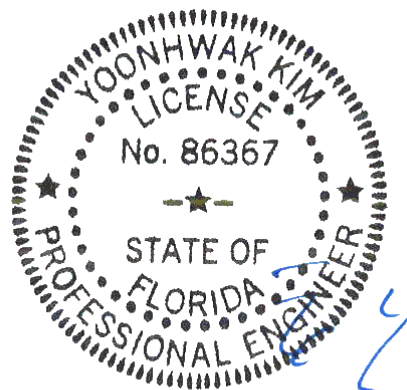
Wind

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

Additional Notes

Refer to DWG PB160101014 for piggyback details.

The overall height of this truss excluding overhang is 1'-2-11.



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09/09/2020

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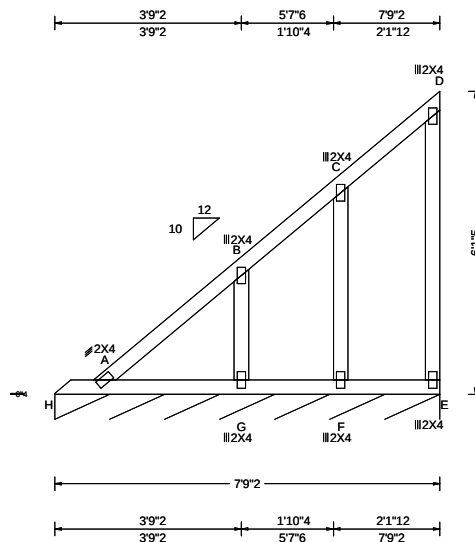
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 310911 / FROM: CDM	VAL	Ply: 1 Qty: 2	Job Number: 20-4441 Jones Residence Truss Label: V01	Cust: R 215 JRef: 1WYJ2150005 T48 / DrwNo: 253.20.1337.52749 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.37 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 C 999 240 VERT(CL): 0.001 C 999 180 HORZ(LL): -0.003 D - - HORZ(TL): 0.004 D - - Creep Factor: 2.0 Max TC CSI: 0.083 Max BC CSI: 0.052 Max Web CSI: 0.051 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 82 /- /- /59 /13 /23 Wind reactions based on MWFRS E Brg Width = 93.2 Min Req = - Bearing H is a rigid surface. Members not listed have forces less than 375#

Lumber

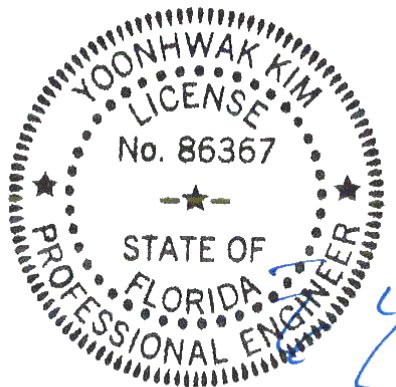
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 6'-1.5".

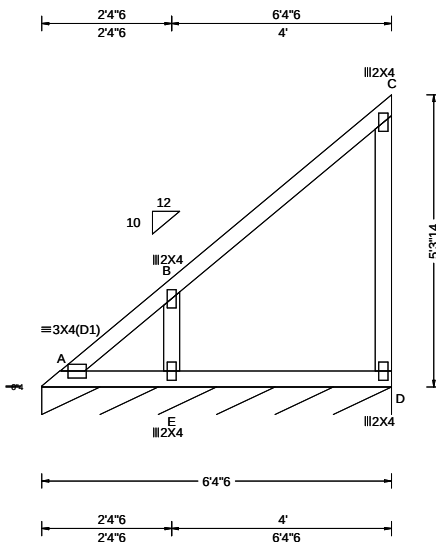


FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

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Suite 305
Orlando FL, 32821

SEQN: 310903 / FROM: CDM	VAL	Ply: 1 Qty: 2	Job Number: 20-4441 Jones Residence Truss Label: V02	Cust: R 215 JRef: 1WYJ2150005 T38 / DrwNo: 253.20.1337.53232 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 18.15 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 E 999 240 VERT(CL): 0.001 C 999 180 HORZ(LL): -0.003 C - - HORZ(TL): 0.004 C - - Creep Factor: 2.0 Max TC CSI: 0.245 Max BC CSI: 0.143 Max Web CSI: 0.075 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D* 85 /- /- /62 /15 /25 Wind reactions based on MWFRS D Brg Width = 76.4 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

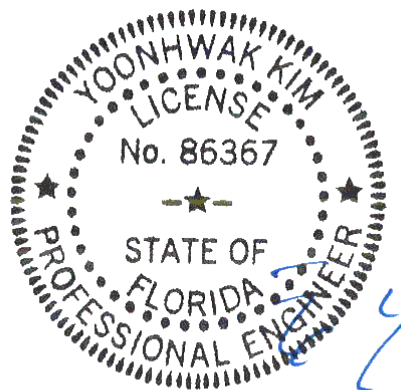
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 5'-3-14.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

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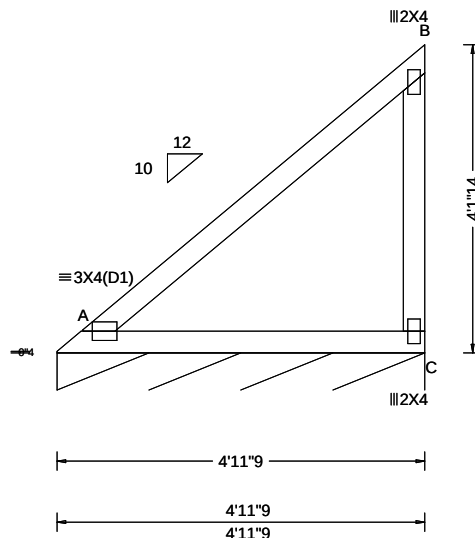
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

SEQN: 310905 / FROM: CDM	VAL	Ply: 1 Qty: 2	Job Number: 20-4441 Jones Residence Truss Label: V03	Cust: R 215 JRef: 1WYJ2150005 T49 / DrwNo: 253.20.1337.53403 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 18.73 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.006 C - - HORZ(TL): 0.013 C - - Creep Factor: 2.0 Max TC CSI: 0.329 Max BC CSI: 0.271 Max Web CSI: 0.110 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 85 /- /- /61 /15 /25 Wind reactions based on MWFRS C Brg Width = 59.5 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

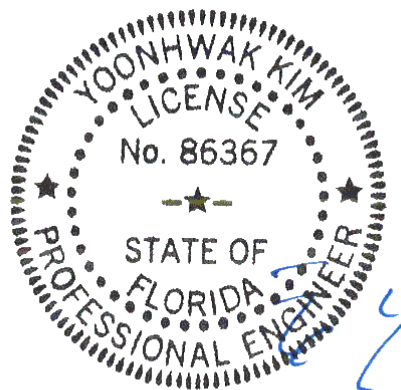
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 4'-11-14\"/>

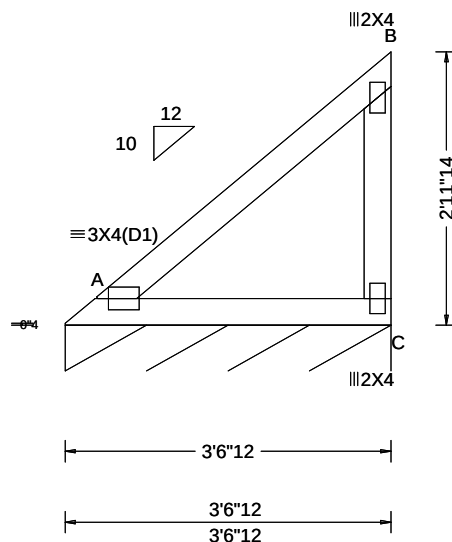


FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

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6750 Forum Drive
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Orlando FL, 32821

SEQN: 310907 / FROM: CDM	VAL	Ply: 1 Qty: 2	Job Number: 20-4441 Jones Residence Truss Label: V04	Cust: R 215 JRef: 1WYJ2150005 T39 / DrwNo: 253.20.1337.52921 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 19.32 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.002 C - - HORZ(TL): 0.005 C - - Creep Factor: 2.0 Max TC CSI: 0.155 Max BC CSI: 0.145 Max Web CSI: 0.051 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 84 /- /- /60 /15 /25 Wind reactions based on MWFRS C Brg Width = 42.8 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

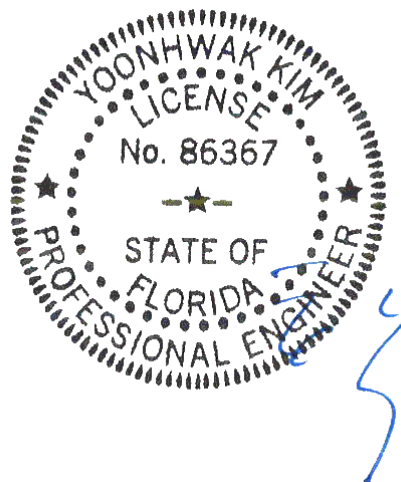
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 2'-11-14.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

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

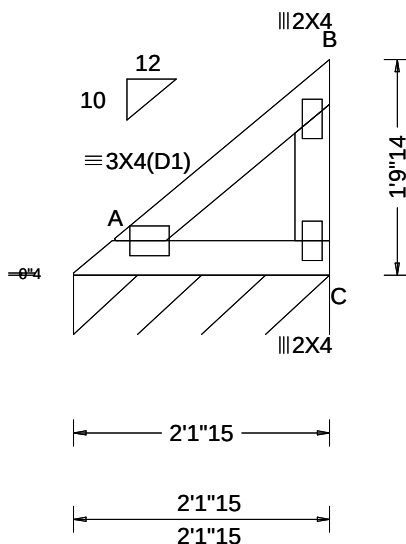
****IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 310909 / FROM: CDM	VAL	Ply: 1 Qty: 2	Job Number: 20-4441 Jones Residence Truss Label: V05	Cust: R 215 JRef: 1WYJ2150005 T27 / DrwNo: 253.20.1337.53123 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 19.90 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.000 C - - HORZ(TL): 0.001 C - - Creep Factor: 2.0 Max TC CSI: 0.049 Max BC CSI: 0.045 Max Web CSI: 0.019 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 83 /- /- /57 /14 /23 Wind reactions based on MWFRS C Brg Width = 25.9 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

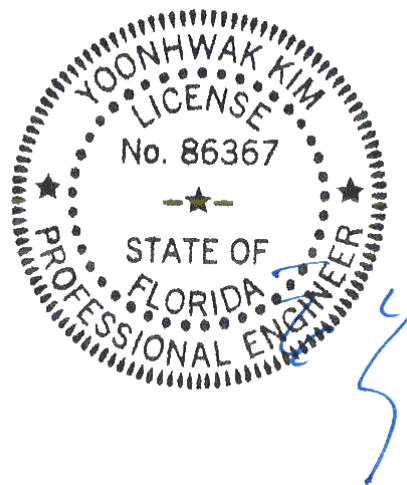
Wind

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

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 1-9-14.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

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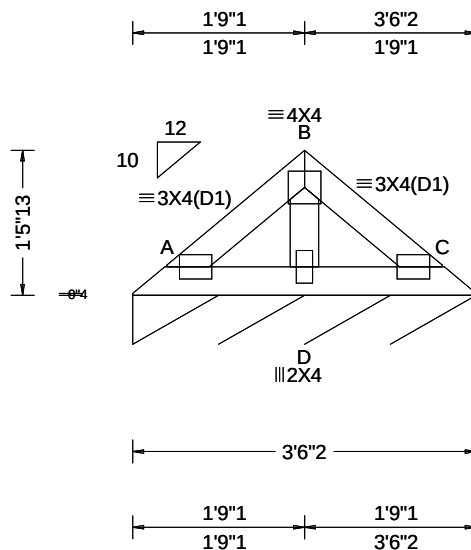
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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Suite 305
Orlando FL, 32821

SEQN: 310420 / FROM: CDM	VAL	Ply: 1 Qty: 1	Job Number: 20-4441 Jones Residence Truss Label: V06	Cust: R 215 JRef: 1WYJ2150005 T40 / DrwNo: 253.20.1337.53466 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCCL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 23.23 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 D 999 240 VERT(CL): 0.001 D 999 180 HORZ(LL): -0.000 D - - HORZ(TL): 0.001 D - - Creep Factor: 2.0 Max TC CSI: 0.033 Max BC CSI: 0.022 Max Web CSI: 0.020 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 82 /- /- /42 /8 /10 Wind reactions based on MWFRS C Brg Width = 42.1 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

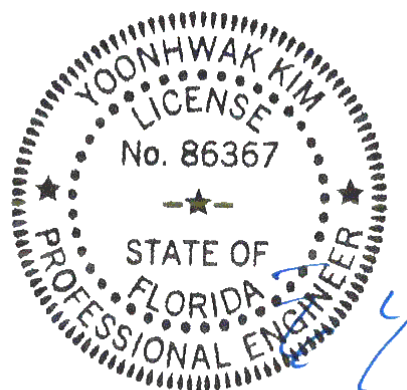
Wind

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

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 1'-5 1/2".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

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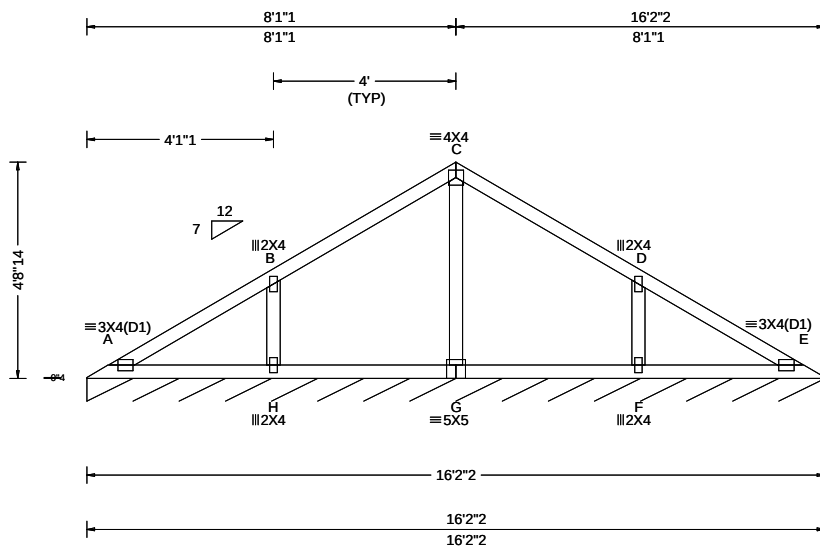
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 310444 / FROM: CDM	VAL	Ply: 1 Qty: 1	Job Number: 20-4441 Jones Residence Truss Label: V09	Cust: R 215 JRef: 1WYJ2150005 T44 / DrwNo: 253.20.1337.52889 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.005 H 999 240 VERT(CL): 0.011 H 999 180 HORZ(LL): 0.002 H - - HORZ(TL): 0.004 H - - Creep Factor: 2.0 Max TC CSI: 0.304 Max BC CSI: 0.148 Max Web CSI: 0.102 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity E* 82 /- /- /42 /- /7 Wind reactions based on MWFRS E Brg Width = 194 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

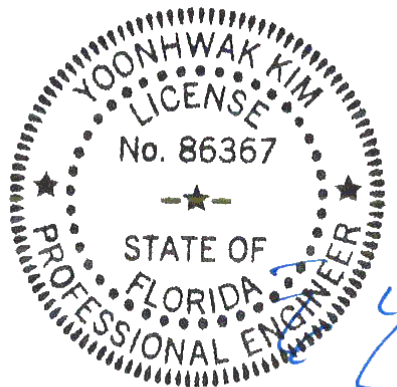
Wind

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

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 4'-8-14.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

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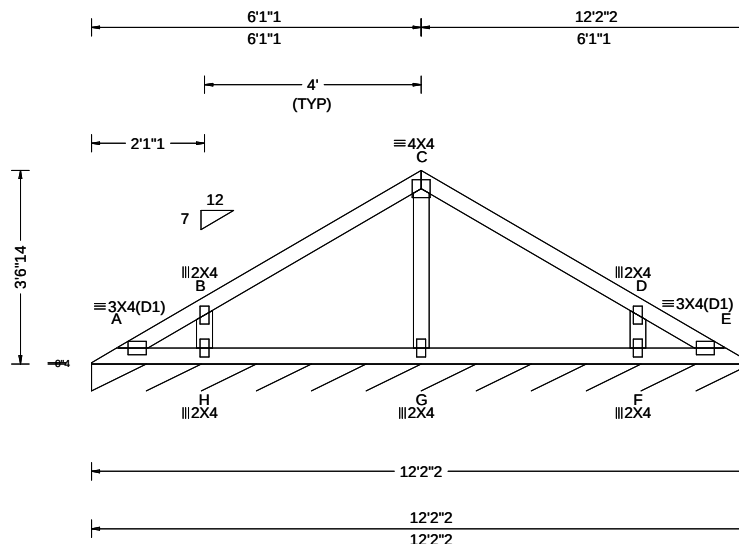
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 310446 / FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4441 Jones Residence Truss Label: V10	Cust: R 215 JRef: 1WYJ2150005 T45 / DrwNo: 253.20.1337.52812 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.30 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 C 999 240 VERT(CL): 0.001 C 999 180 HORZ(LL): -0.000 B - - HORZ(TL): 0.001 H - - Creep Factor: 2.0 Max TC CSI: 0.204 Max BC CSI: 0.118 Max Web CSI: 0.048 VIEW Ver: 18.02.01B.0321.09	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity E* 82 /- /- /42 /- /7 Wind reactions based on MWFRS E Brg Width = 146 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

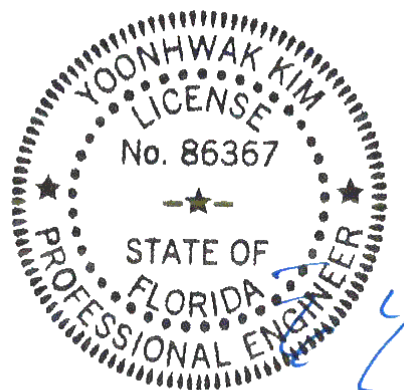
Wind

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

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 3-6-14.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

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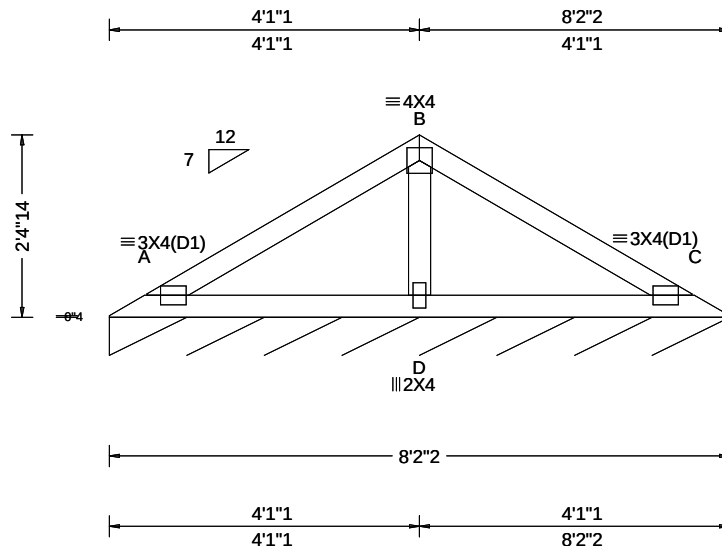
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 310448 / FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4441 Jones Residence Truss Label: V11	Cust: R 215 JRef: 1WYJ2150005 T46 / DrwNo: 253.20.1337.52951 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.88 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.007 D 999 240 VERT(CL): 0.015 D 999 180 HORZ(LL): -0.003 D - - HORZ(TL): 0.007 D - - Creep Factor: 2.0 Max TC CSI: 0.225 Max BC CSI: 0.180 Max Web CSI: 0.076 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 81 /- /- /41 /- /6 Wind reactions based on MWFRS C Brg Width = 98.1 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. B - D 161 -384

Lumber

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

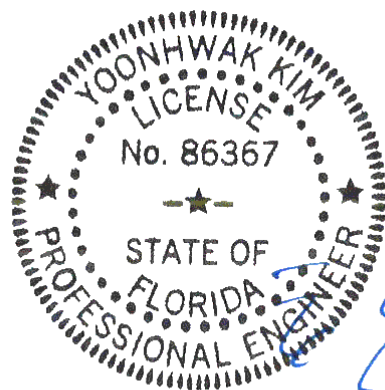
Wind

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

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 2'-4"-14".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

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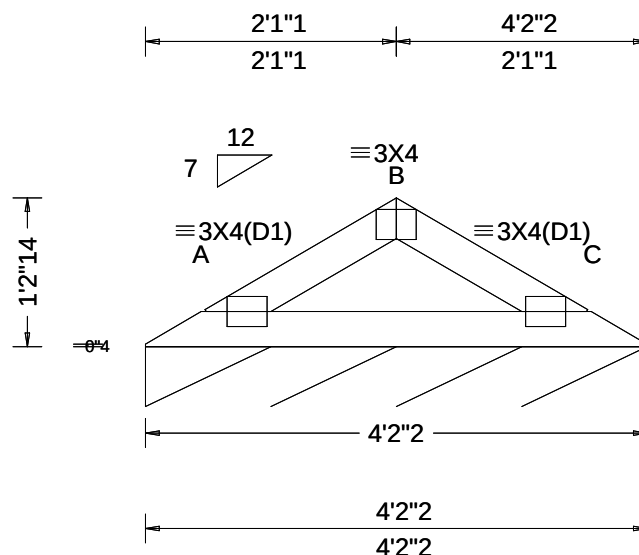
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 310452 / FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4441 Jones Residence Truss Label: V12	Cust: R 215 JRef: 1WYJ2150005 T47 / DrwNo: 253.20.1337.53405 / YK 09/09/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.46 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.004 999 240 VERT(CL): 0.007 999 180 HORZ(LL): -0.002 - - HORZ(TL): 0.003 - - Creep Factor: 2.0 Max TC CSI: 0.081 Max BC CSI: 0.111 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.09	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 79 /- /- /37 /0 /5 Wind reactions based on MWFRS C Brg Width = 50.1 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

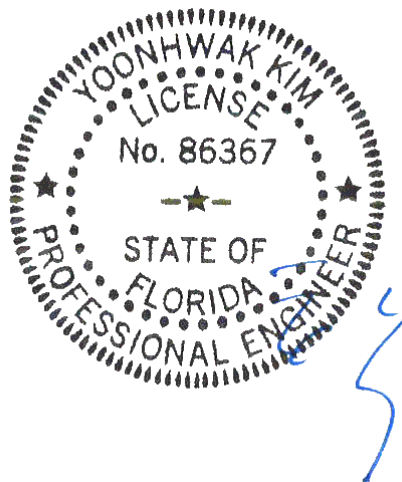
Wind

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

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 1'-2-14.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/09/2020

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

Gable Stud Reinforcement Detail

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

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

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

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

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

Bracing Group Species and Grades:

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

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

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

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

Gable Truss Detail Notes:

Wind Load deflection criterion is L/240.

Provide uplift connections for 55 plf over continuous bearing (5 psf TC Dead Load).

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

Attach "L" braces with 10d (0.128"x3.0" min) nails.

* For (1) "L" brace: space nails at 2' o.c. in 18" end zones and 4' o.c. between zones.
 ** For (2) "L" braces: space nails at 3' o.c. in 18" end zones and 6' o.c. between zones.

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

Gable Vertical Plate Sizes

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

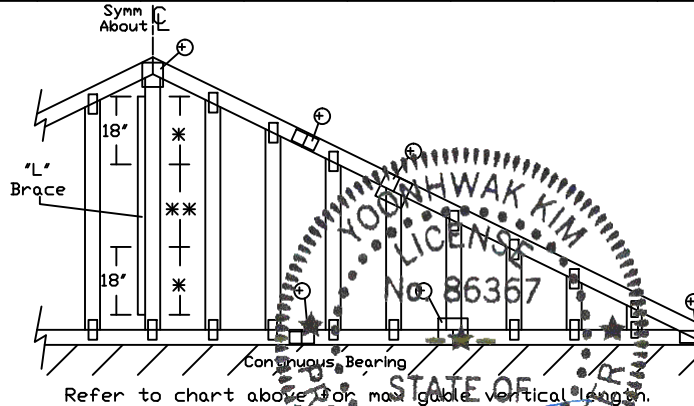
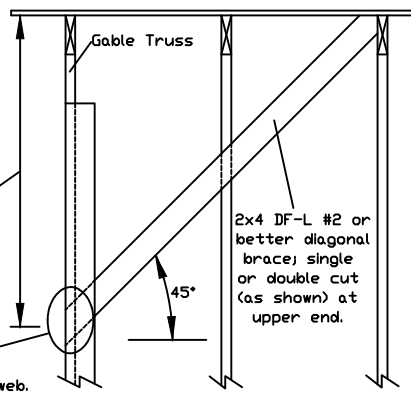
+ Refer to common truss design for peak, splice, and heel plates.

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

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

Vertical length shown in table above.

Connect diagonal at midpoint of vertical web.



Refer to chart above for max gable vertical length.

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For more information see this job's general notes page and these web sites:

ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.org; ICC: www.iccsafe.org



514 Earth City Expressway
 Suite 242
 Earth City, MO 63045

Yoonhwak Kim, FL PE #86367

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF ASCE7-10-GAB14015

DATE 10/01/14

DRWG A14015ENC101014

Gable Stud Reinforcement Detail

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

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

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

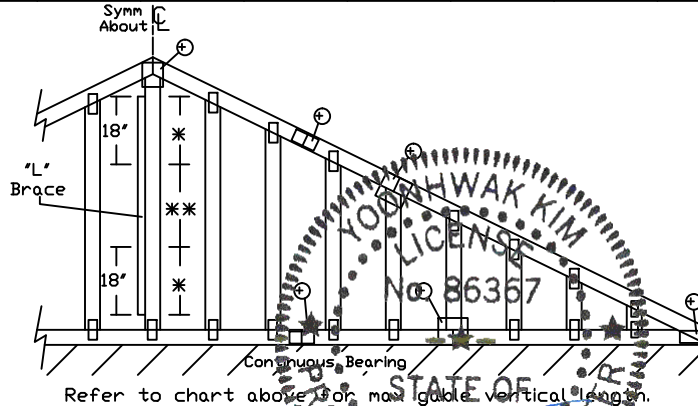
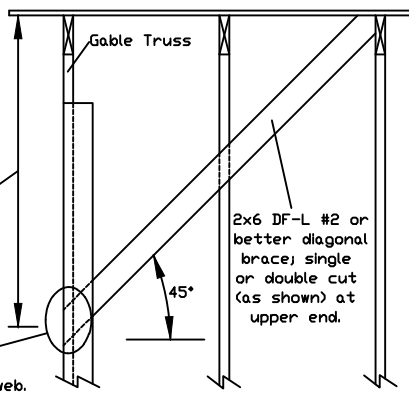
Or: 100 mph wind speed, 30' Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00

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

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

Vertical length shown in table above.

Connect diagonal at midpoint of vertical web.



Bracing Group Species and Grades:

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

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

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

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

Gable Truss Detail Notes:

Wind Load deflection criterion is L/240.

Provide uplift connections for 100 plf over continuous bearing (5 psf TC Dead Load).

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

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

* For (1) 'L' brace: space nails at 2' o.c. in 18' end zones and 4' o.c. between zones.
 ** For (2) 'L' braces: space nails at 3' o.c. in 18' end zones and 6' o.c. between zones.

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

Gable Vertical Plate Sizes	
Vertical Length	No Splice
Less than 4' 0"	2X4
Greater than 4' 0", but less than 11' 6"	3X4
Greater than 11' 6"	4X4
+ Refer to common truss design for peak, splice, and heel plates.	

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



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 ALPINE: www.alpineitw.com TPI: www.tpinet.org SBCA: www.sbcaindustry.org ICC: www.iccsafe.org

Yoonhwak Kim, FL PE #86367

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF ASCE7-10-GAB14030

DATE 10/01/14

DRWG A14030ENC101014

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.

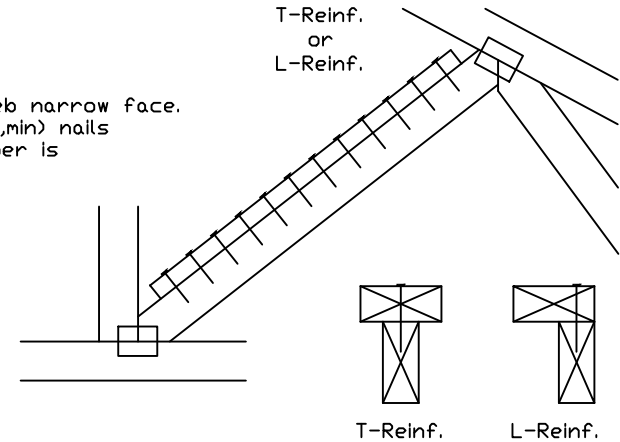
Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf.	Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(X)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(X)

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.

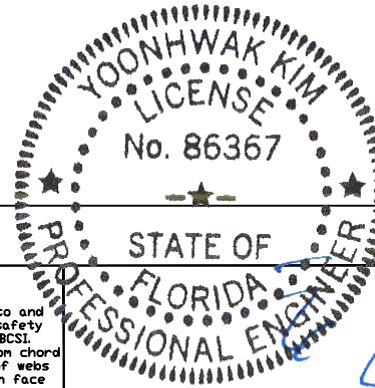
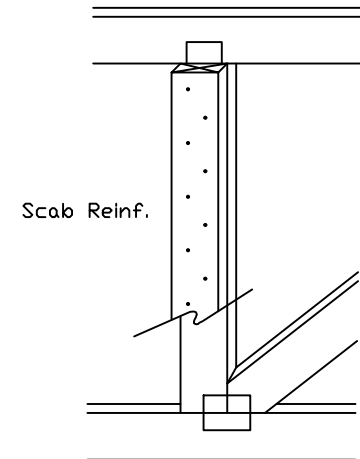
T-Reinforcement or L-Reinforcement:

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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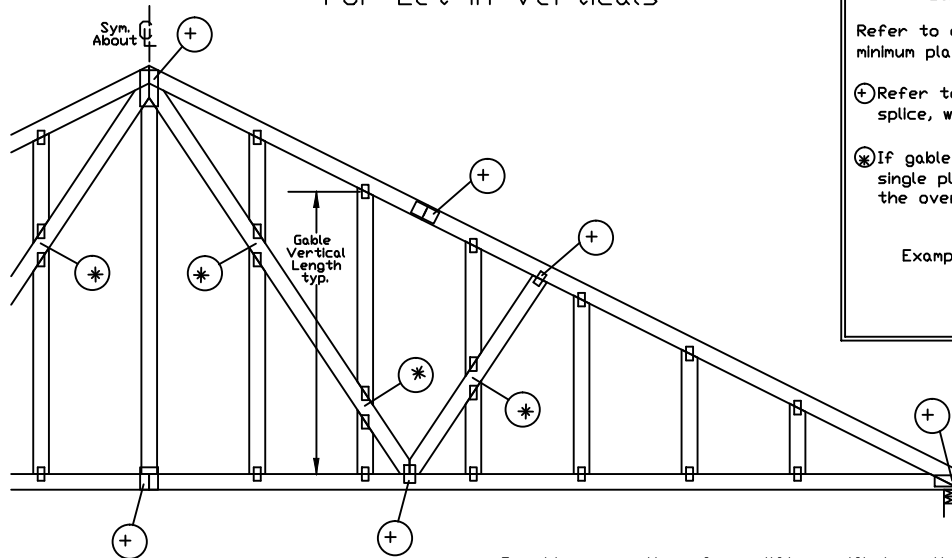


514 Earth City Expressway
Suite 242
Earth City, MO 63045

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			

278, Yoonhwak Kim, FL PE #86367

Gable Detail For Let-in Verticals



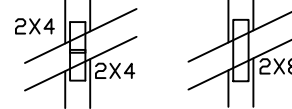
Gable Truss Plate Sizes

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

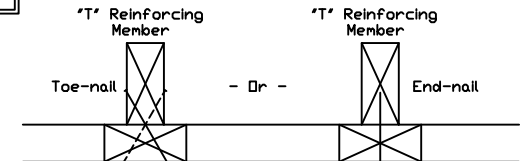
⊕ Refer to Engineered truss design for peak, splice, web, and heel plates.

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

Example:



"T" Reinforcement Attachment Detail



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

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

"T" reinforcing member material must match size, specie, and grade of the "L" reinforcing member.

Web Length Increase w/ "T" Brace

"T" Reinf. Mbr. Size	"T" Increase
2x4	30 %
2x6	20 %

Example:

ASCE 7-10 Wind Speed = 120 mph

Mean Roof Height = 30 ft, Kzt = 1.00

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

"T" Reinforcing Member Size = 2x4

"T" Brace Increase (From Above) = 30% = 1.30

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

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

Provide connections for uplift specified on the engineered truss design.

Attach each "T" reinforcing member with

End Driven Nails:

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

Toenailed Nails:

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

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

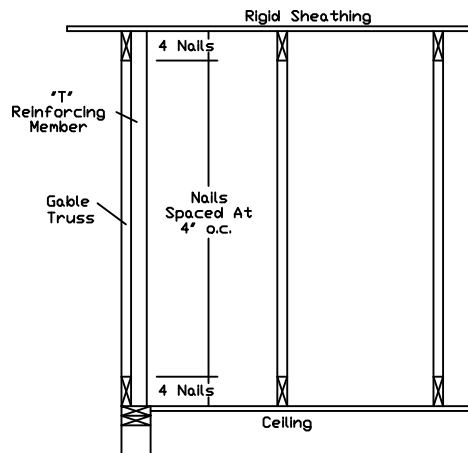
ASCE 7-05 Gable Detail Drawings

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

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

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

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



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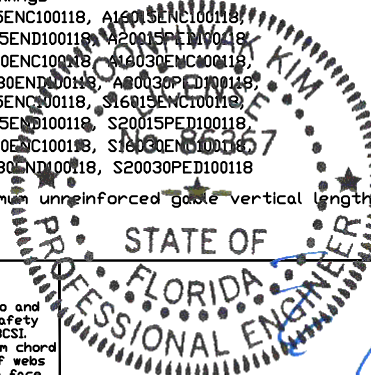
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514 Earth City Expressway
Suite 242
Earth City, MO 63045



REF LET-IN VERT

DATE 01/02/2018

DRWG GBLLETIN0118

MAX. TOT. LD. 60 PSF

DUR. FAC. ANY

MAX. SPACING 24.0"

FL REG# 270, Yoonhwak Kim, FL PE #86367

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

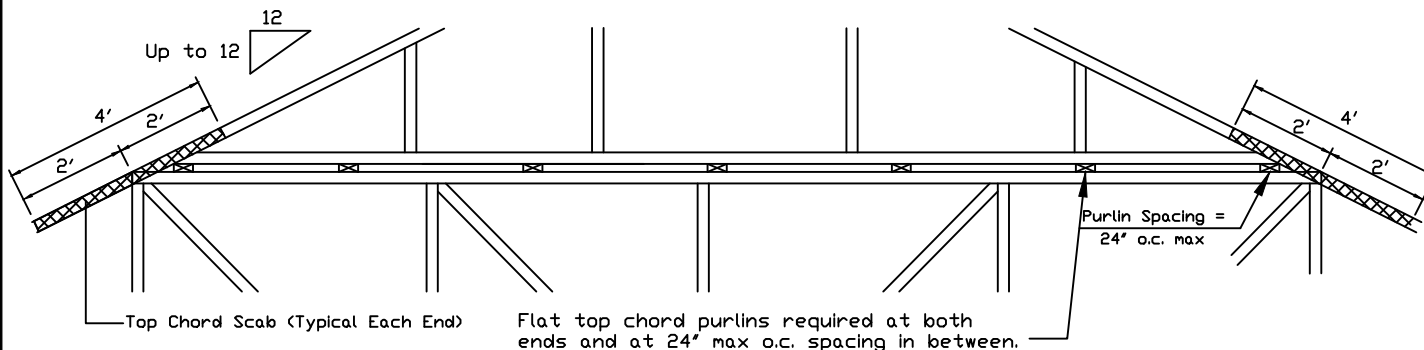
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0.
Or 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

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

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

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

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

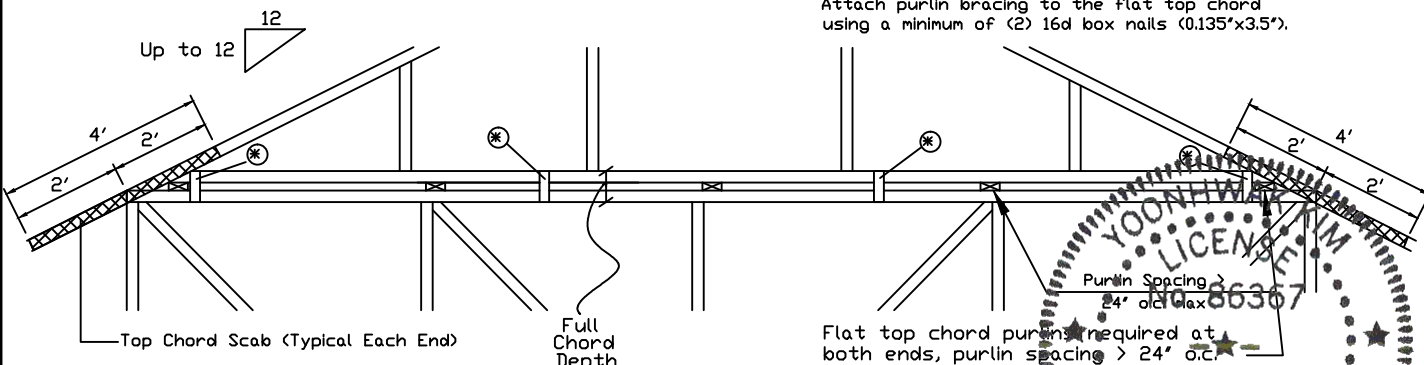


Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

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

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

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



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

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

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

Trulox

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

APA Rated Gusset

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

2x4 Vertical Scabs

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

28PB Wave Piggyback Plate

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

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

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514 Earth City Expressway
Suite 242
Earth City, MO 63045

Yoonhwak Kim, FL PE #86367

SPACING

24.0"

REF PIGGYBACK

DATE 10/01/14

DRWG PB160101014

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

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

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

Bottom chord may be square or pitched cut
 as shown.

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

All plates shown are ITW BCG Wave Plates.

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

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

Or

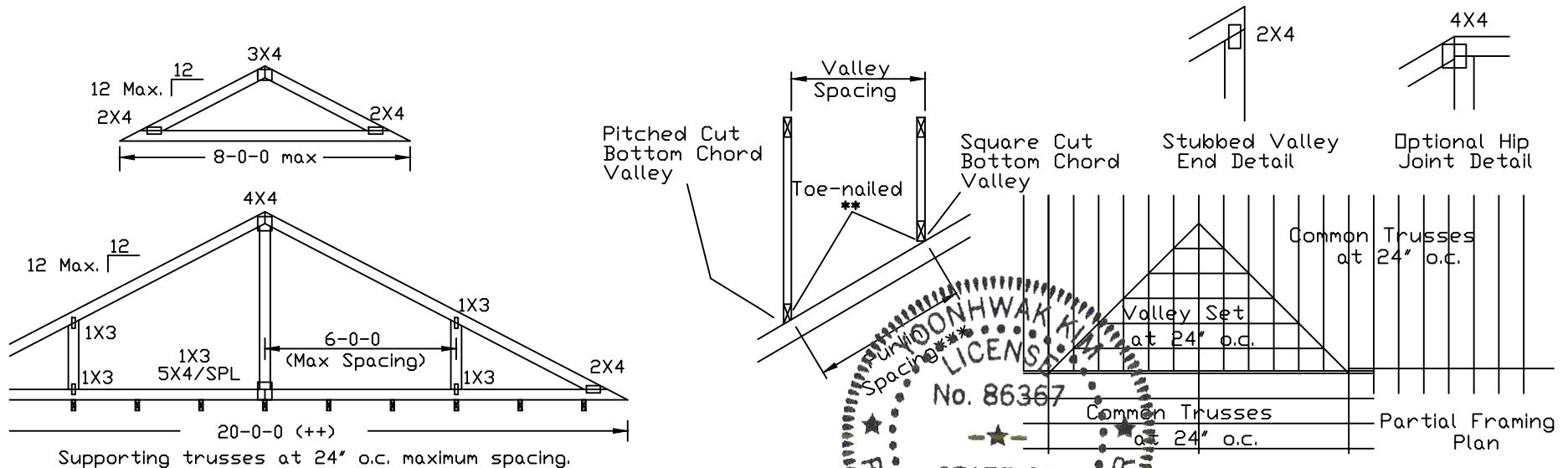
Purlins at 24" o.c. or as otherwise specified on engineer's sealed design

Or

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

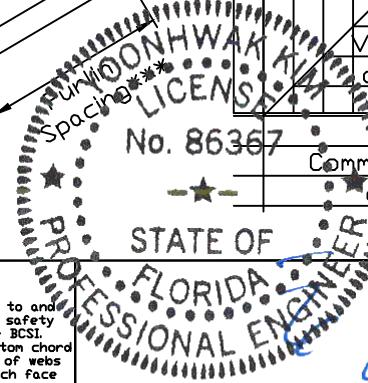
*** Note that the purlin spacing for bracing the top chord of the truss
 beneath the valley is measured along the slope of the top chord.

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



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Yoonhwak Kim, FL PE #86367

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