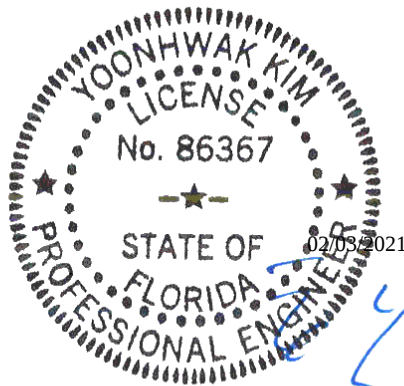




Alpine, an ITW Company
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www.alpineitw.com

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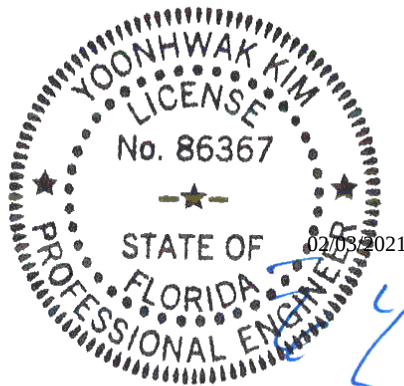
Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 20-4975
Job Description: Jimenez	
Address:	

Job Engineering Criteria:	
Design Code: FBC 7th Ed. 2020 Res	IntelliVIEW Version: 20.01.01A JRef #: 1X2L2150004
Wind Standard: ASCE 7-16 Wind Speed (mph): 130 Building Type: Closed	Design Loading (psf): 37.00

This package contains general notes pages, 55 truss drawing(s) and 1 detail(s).

Item	Drawing Number	Truss
1	034.21.0814.56247	A01
3	034.21.0814.59777	A03
5	034.21.0815.08200	A05
7	034.21.0815.15977	A07
9	034.21.0815.21777	A09
11	034.21.0815.30250	A11
13	034.21.0815.35223	A13
15	034.21.0815.38510	A15
17	034.21.0815.41450	A17
19	034.21.0815.48097	A19
21	034.21.0815.54510	A21
23	034.21.0815.59017	A23
25	034.21.0816.02980	B01
27	034.21.0816.05513	B03
29	034.21.0816.08040	B05
31	034.21.0816.12840	C02
33	034.21.0816.15690	D01
35	034.21.0816.23227	E02
37	034.21.0816.27710	HJ7A
39	034.21.0817.13473	HJ5A
41	034.21.0817.16713	EJ7
43	034.21.0817.19207	EJ7B
45	034.21.0817.21667	EJ5
47	034.21.0817.24127	EJ2
49	034.21.0817.26360	CJ5A
51	034.21.0817.28780	CJ3A

Item	Drawing Number	Truss
2	034.21.0814.58343	A02
4	034.21.0815.01613	A04
6	034.21.0815.13840	A06
8	034.21.0815.19690	A08
10	034.21.0815.24933	A10
12	034.21.0815.32833	A12
14	034.21.0815.37117	A14
16	034.21.0815.40013	A16
18	034.21.0815.42823	A18
20	034.21.0815.51820	A20
22	034.21.0815.56907	A22
24	034.21.0816.01110	A24
26	034.21.0816.04293	B02
28	034.21.0816.06790	B04
30	034.21.0816.11207	C01
32	034.21.0816.14137	C03
34	034.21.0816.19877	E01
36	034.21.0816.26457	HJ7
38	034.21.0817.11597	HJ5
40	034.21.0817.15400	HJ2
42	034.21.0817.18000	EJ7A
44	034.21.0817.20433	EJ7C
46	034.21.0817.23063	EJ5A
48	034.21.0817.25223	CJ5
50	034.21.0817.27477	CJ3
52	034.21.0817.29847	CJ3B



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Site Information:	Page 2:
Customer: W. B. Howland Company, Inc.	Job Number: 20-4975
Job Description: Jimenez	
Address:	

Item	Drawing Number	Truss
53	034.21.0817.31030	CJ3C
55	034.21.0817.36990	CJ1A

Item	Drawing Number	Truss
54	034.21.0817.32353	CJ1
56	BRCLBSUB0119	

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.

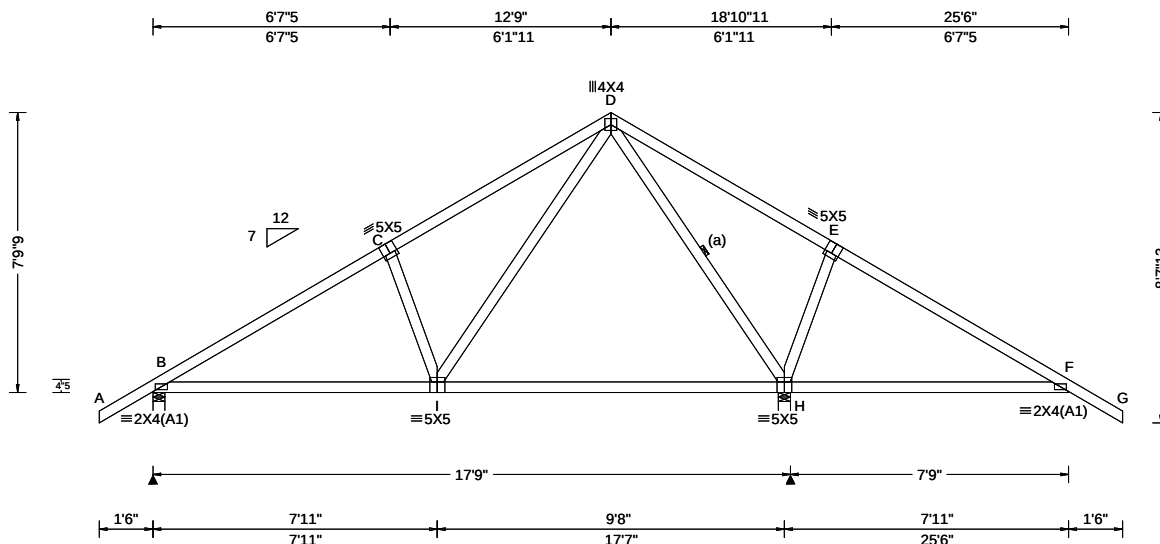
Refer to ASCE-7 for Wind and Seismic abbreviations.

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: 4287 FROM: SDY	COMN Ply: 1 Qty: 2	Job Number: 20-4975 Jimenez Truss Label: A01	Cust: R 215 JRef: 1X2L2150004 T5 DrwNo: 034.21.0814.56247 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.034 H 999 240 VERT(CL): 0.066 H 999 180 HORZ(LL): 0.012 E - - HORZ(TL): 0.021 E - - Creep Factor: 2.0 Max TC CSI: 0.790 Max BC CSI: 0.881 Max Web CSI: 0.514 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 742 -/- /- /427 /137 /236 H 1669 -/- /- /1040 /262 -/- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 H Brg Width = 4.0 Min Req = 1.7 Bearings B & 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 232 -921 D - E 776 -418 C - D 291 -810 E - F 686 -473

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

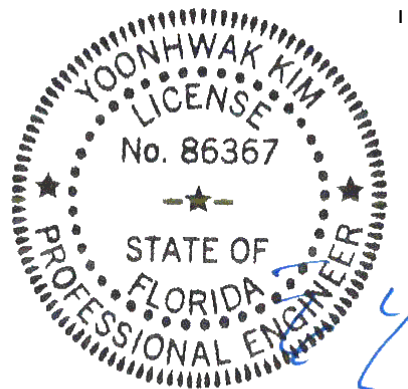
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

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

Right cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

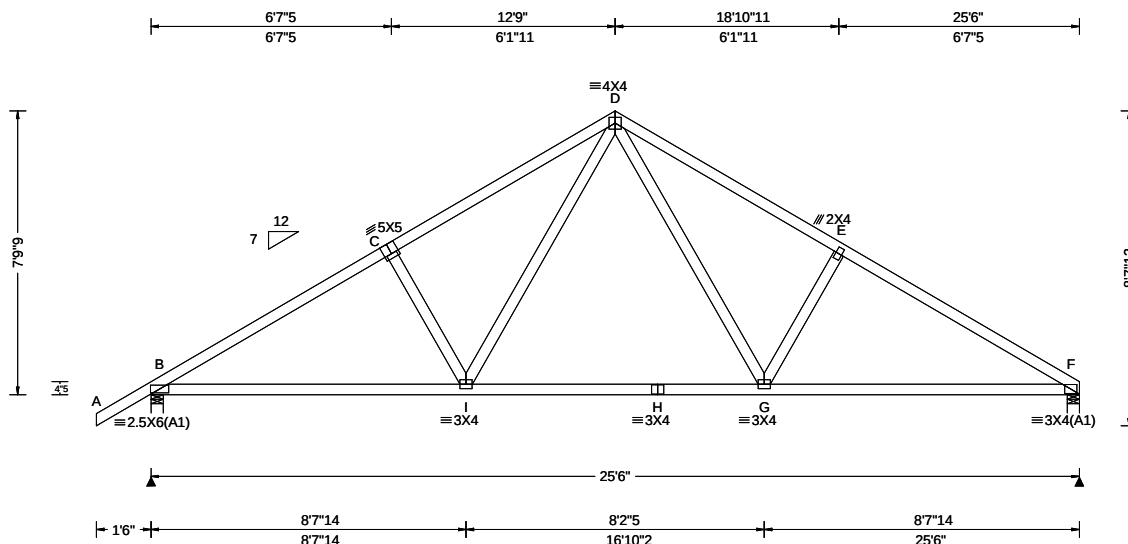


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02/03/2021

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

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AN ITW COMPANY
514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4164 FROM: SDY	COMN Ply: 1 Qty: 3	Job Number: 20-4975 Jimenez Truss Label: A02	Cust: R 215 JRef: 1X2L2150004 T61 DrwNo: 034.21.0814.58343 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.065 I 999 240 VERT(CL): 0.115 I 999 180 HORZ(LL): 0.027 G - - HORZ(TL): 0.049 G - - Creep Factor: 2.0 Max TC CSI: 0.388 Max BC CSI: 0.838 Max Web CSI: 0.236 VIEW Ver: 20.01.01A.0724.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1143 /- /- /596 /227 /219 F 1045 /- /- /521 /196 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 F Brg Width = 4.0 Min Req = 1.5 Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 356 -1652 D - E 399 -1498 C - D 392 -1485 E - F 363 -1664

Lumber

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

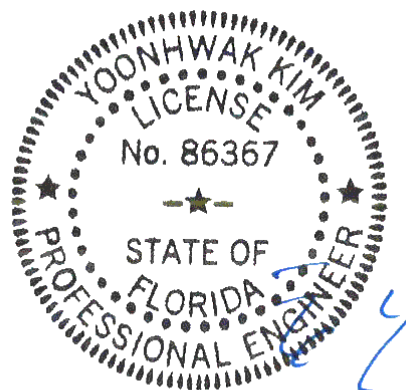
Loading

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.

Wind loading based on both gable and hip roof types.



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02/03/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - I	1353 -224	H - G	918 -61
I - H	918 -61	G - F	1368 -232

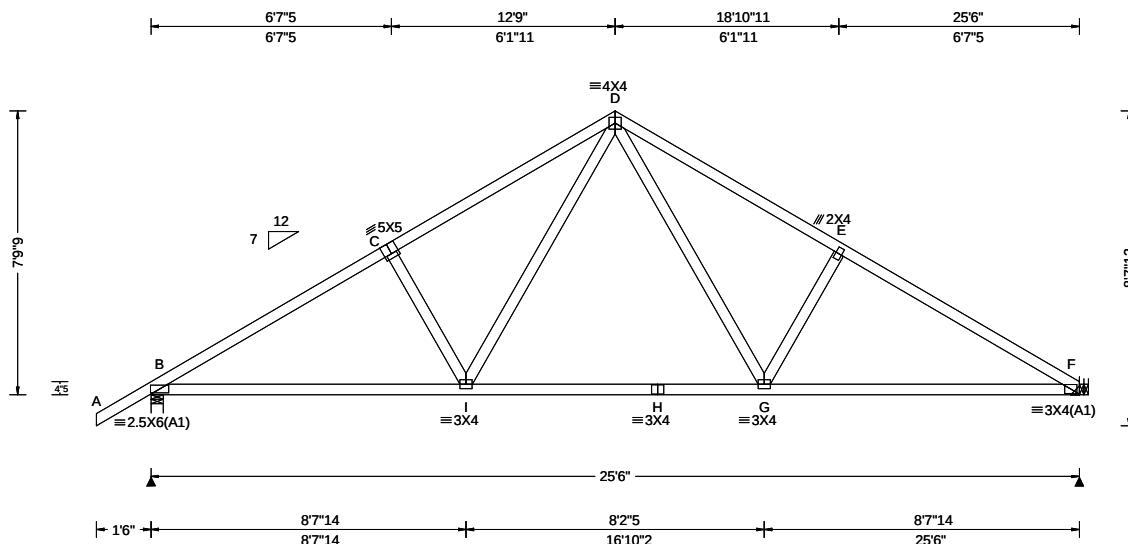
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
I - D	600 -121	D - G	620 -132

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AN ITW COMPANY
514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4167 FROM: SDY	COMN Ply: 1 Qty: 2	Job Number: 20-4975 Jimenez Truss Label: A03	Cust: R 215 JRef: 1X2L2150004 T46 DrwNo: 034.21.0814.59777 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.065 I 999 240 VERT(CL): 0.115 I 999 180 HORZ(LL): 0.027 G - - HORZ(TL): 0.049 G - - Creep Factor: 2.0 Max TC CSI: 0.396 Max BC CSI: 0.846 Max Web CSI: 0.238 VIEW Ver: 20.01.01A.0724.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1144 /- /- /596 /227 /219 F 1045 /- /- /521 /196 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 F Brg Width = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 356 -1653 D - E 400 -1503 C - D 392 -1487 E - F 364 -1669

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=25'3" uses the following support conditions: 25'3"

Bearing F (25'3", 9'1"2) LUS26

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

(4) 0.148"x3" nails into supporting

member,

(4) 0.148"x3" nails into supported

member.

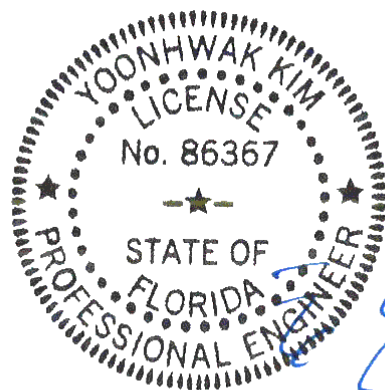
Loading

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

Wind

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

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/03/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - I	1355 -224	H - G	920 -62
I - H	920 -62	G - F	1373 -233

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
I - D	599 -121	D - G	625 -133

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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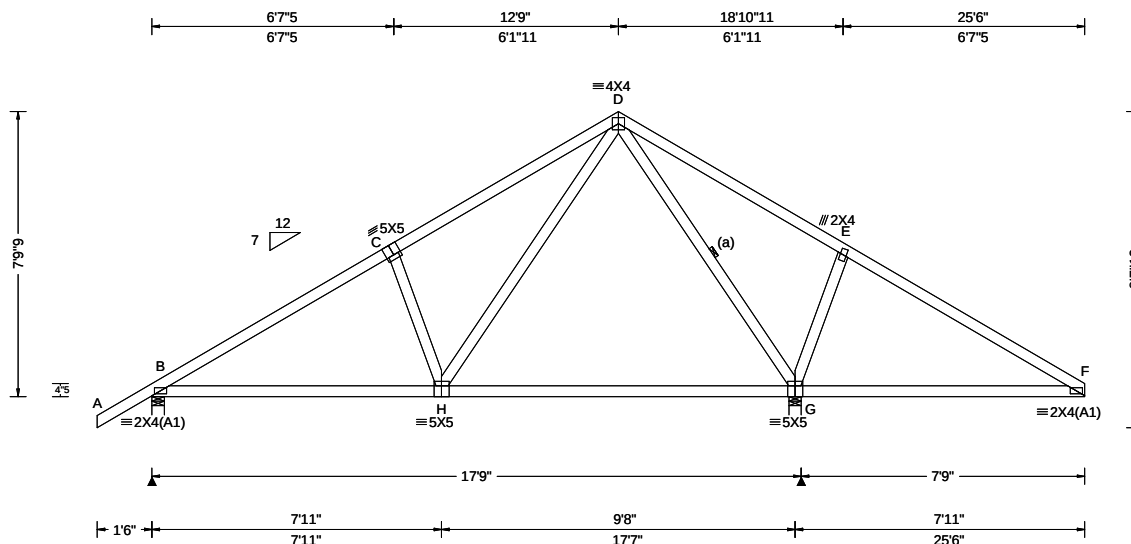
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Suite 242
Earth City, Missouri 63045

SEQN: 4282 FROM: SDY	COMN Ply: 1 Qty: 5	Job Number: 20-4975 Jimenez Truss Label: A04	Cust: R 215 JRef: 1X2L2150004 T6 DrwNo: 034.21.0815.01613 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.026 H 999 240 VERT(CL): 0.050 H 999 180 HORZ(LL): 0.010 C - - HORZ(TL): 0.018 C - - Creep Factor: 2.0 Max TC CSI: 0.790 Max BC CSI: 0.900 Max Web CSI: 0.437 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL B 757 /- /- /425 /152 /219 G 1533 /- /- /932 /219 /- Non-Gravity Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 G Brg Width = 4.0 Min Req = 1.5 Bearings B & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 189 -950 D - E 575 -232 C - D 264 -840 E - F 487 -290

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

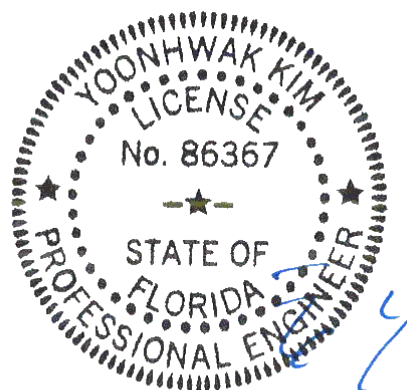
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

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

Right cantilever is exposed to wind

Wind loading based on both gable and hip roof types.



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Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp.

B - H 752 -278

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. Webs Tens. Comp.

H - D 745 -168 G - E 277 -385
D - G 302 -1014

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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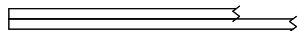
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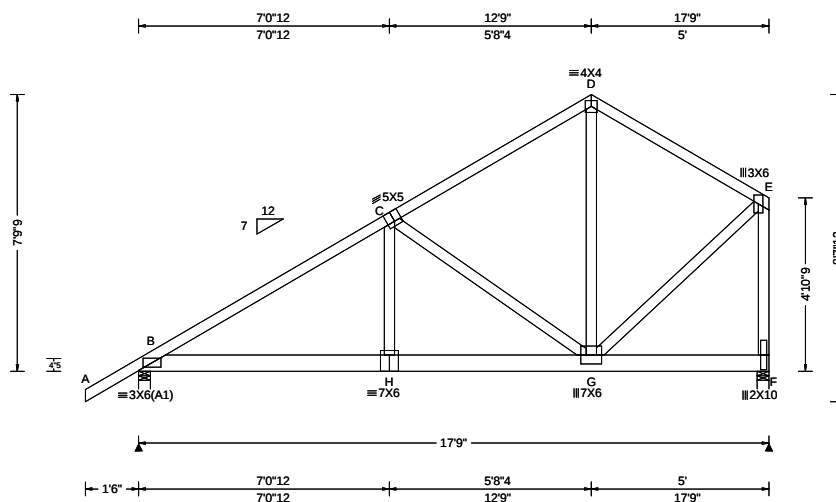
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Suite 242
Earth City, Missouri 63045

SEQN: 4278 FROM: SDY	SPEC Ply: 2 Qty: 1	Job Number: 20-4975 Jimenez Truss Label: A05	Cust: R 215 JRef: 1X2L2150004 T38 DrwNo: 034.21.0815.08200 / YK 02/03/2021
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.053 H 999 240 VERT(CL): 0.097 H 999 180 HORZ(LL): -0.010 D - - HORZ(TL): 0.019 D - - Creep Factor: 2.0 Max TC CSI: 0.370 Max BC CSI: 0.464 Max Web CSI: 0.597 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 2643 /- /- /- /625 /- F 4935 /- /- /- /1202 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 F Brg Width = 4.0 Min Req = 2.0 Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 542 - 2298 D - E 331 - 1334 C - D 326 - 1323

Lumber

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

Nailnote

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

Special Loads

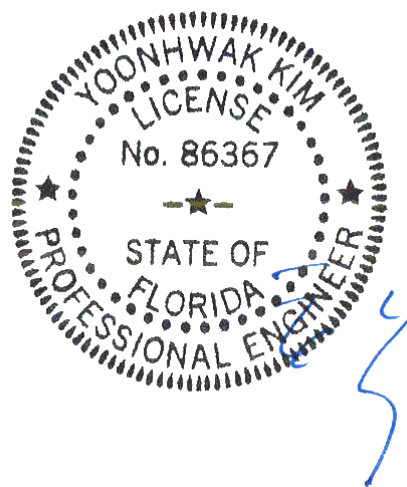
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 56 plf at -1.50 to 56 plf at 7.06
TC: From 28 plf at 7.06 to 28 plf at 12.75
TC: From 56 plf at 12.75 to 56 plf at 17.75
BC: From 5 plf at -1.50 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 7.06
BC: From 10 plf at 7.06 to 10 plf at 17.75
BC: 1400 lb Conc. Load at 7.06
BC: 625 lb Conc. Load at 9.06, 11.06
BC: 1250 lb Conc. Load at 13.06, 15.06, 17.06

Wind

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

Additional Notes

WIND LOAD CASE MODIFIED!

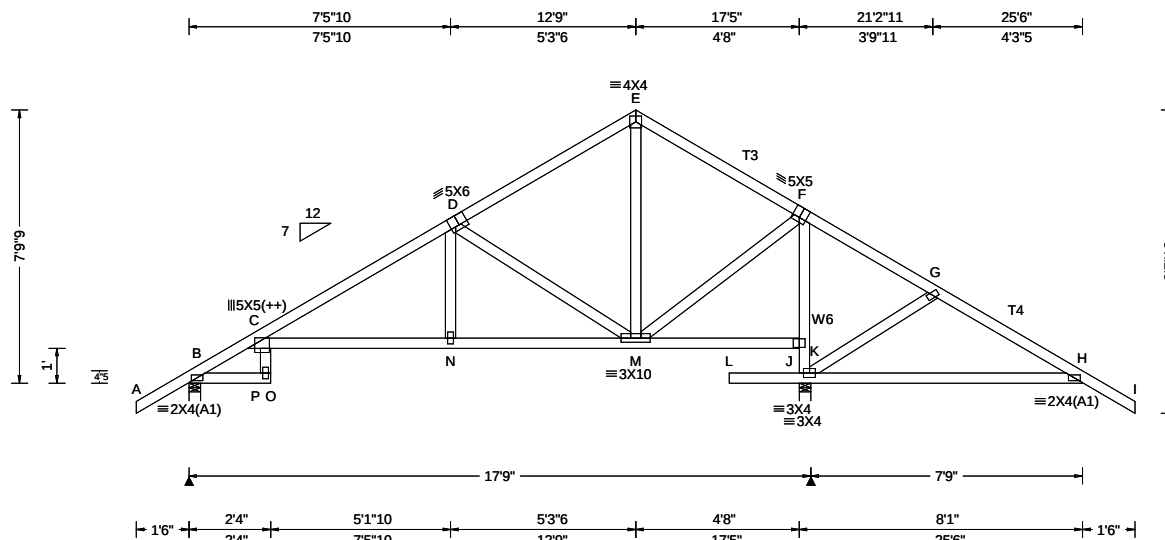


FL REG# 278, Yoonhwak Kim, FL PE #86367
02/03/2021

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514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4294 FROM: SDY	COMN Ply: 1 Qty: 1	Job Number: 20-4975 Jimenez Truss Label: A06	Cust: R 215 JRef: 1X2L2150004 T7 DrwNo: 034.21.0815.13840 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.250 O 843 240 VERT(CL): 0.565 O 373 180 HORZ(LL): -0.183 J - - HORZ(TL): 0.333 M - - Creep Factor: 2.0 Max TC CSI: 0.582 Max BC CSI: 0.650 Max Web CSI: 0.710 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 698 /- /- /431 /139 /236 J 1525 /- /- /1032 /261 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 J Brg Width = 4.0 Min Req = 1.5 Bearings B & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 130 -469 F - G 810 -477 C - D 312 -889 G - H 607 -462

Lumber

Top chord: 2x4 SP M-31; T3, T4 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W6 2x4 SP M-31;

Plating Notes

All plates are 2X4 except as noted.

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

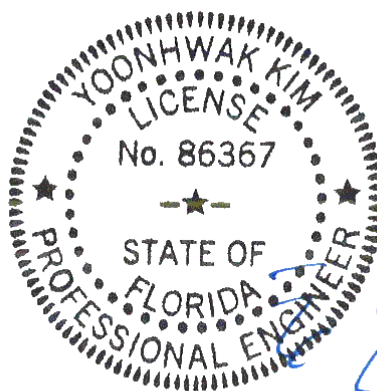
Wind

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

Right cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

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

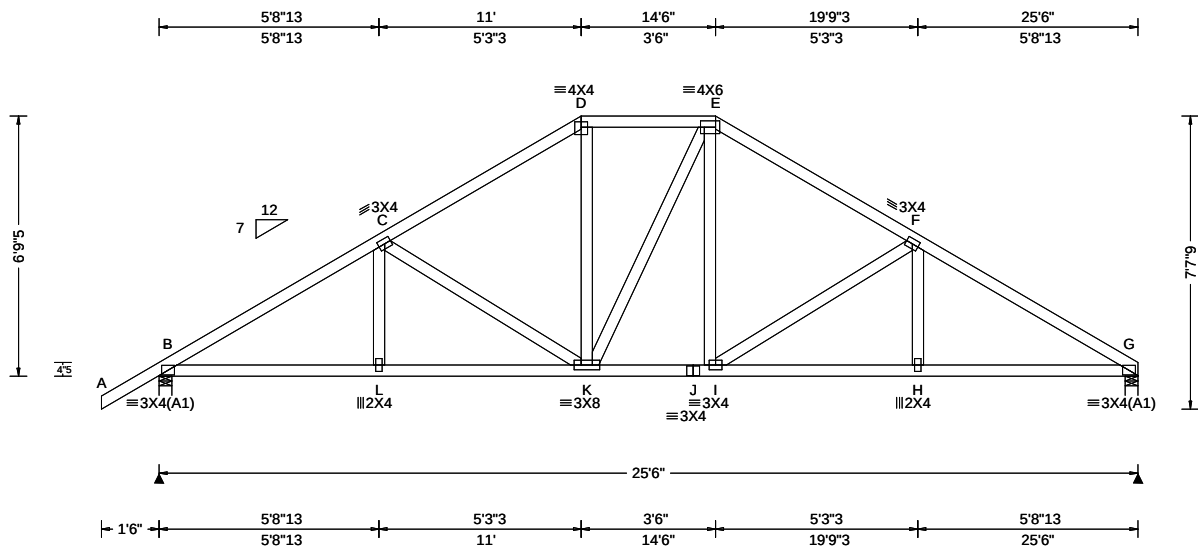


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02/03/2021

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514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4161 FROM: SDY	HIPS Ply: 1 Qty: 1	Job Number: 20-4975 Jimenez Truss Label: A07	Cust: R 215 JRef: 1X2L2150004 T49 DrwNo: 034.21.0815.15977 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.054 I 999 240 VERT(CL): 0.102 I 999 180 HORZ(LL): 0.026 H - - HORZ(TL): 0.049 H - - Creep Factor: 2.0 Max TC CSI: 0.288 Max BC CSI: 0.446 Max Web CSI: 0.323 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1066 /- /- /599 /70 /193 G 968 /- /- /524 /54 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 G Brg Width = 4.0 Min Req = 1.5 Bearings B & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 472 -1534 E - F 461 -1155 C - D 458 -1147 F - G 482 -1552 D - E 439 -929

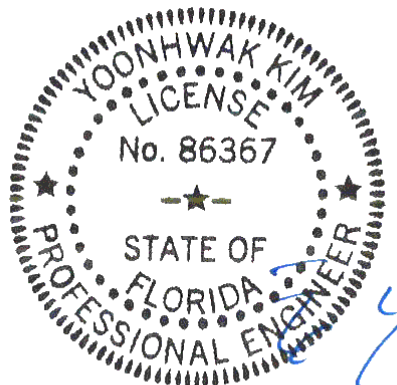
Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

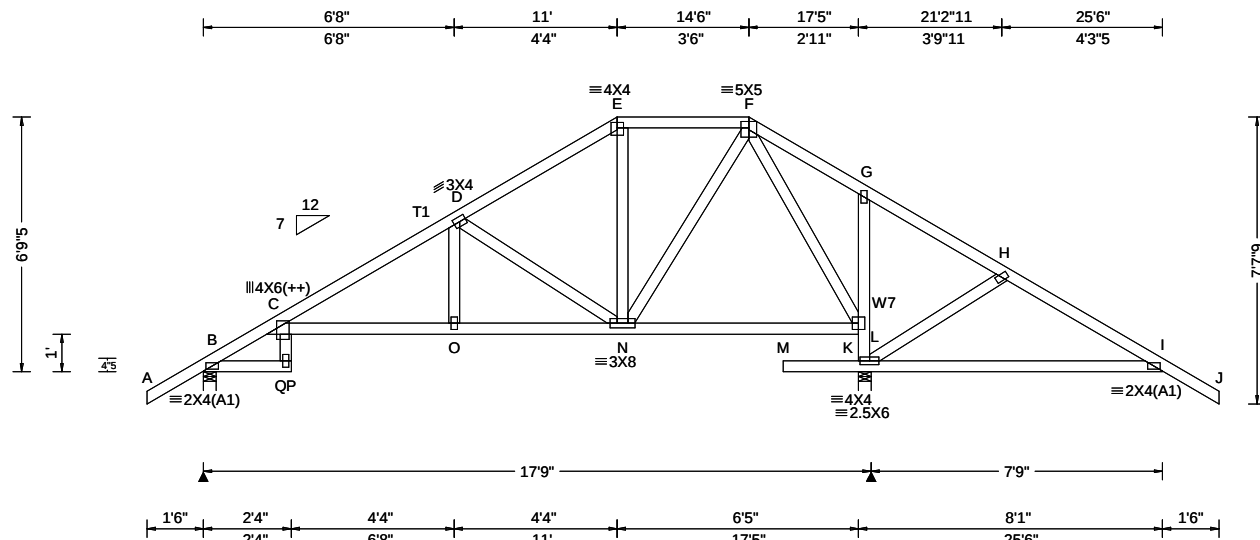


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02/03/2021

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514 Earth City Expressway
Suite 242
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SEQN: 4297 FROM: SDY	HIPS Ply: 1 Qty: 1	Job Number: 20-4975 Jimenez Truss Label: A08	Cust: R 215 JRef: 1X2L2150004 T2 DrwNo: 034.21.0815.19690 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.256 K 364 240 VERT(CL): 0.494 P 426 180 HORZ(LL): -0.190 K - - HORZ(TL): 0.296 N - - Creep Factor: 2.0 Max TC CSI: 0.539 Max BC CSI: 0.658 Max Web CSI: 0.974 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 698 -/- /- /438 /140 /210 K 1526 -/- /- /1036 /264 -/ Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 K Brg Width = 4.0 Min Req = 1.5 Bearings B & 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 154 -455 F - G 968 -594 C - D 344 -961 G - H 806 -476 D - E 309 -498 H - I 611 -466

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W7 2x4 SP M-31;

Plating Notes

All plates are 2X4 except as noted.

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

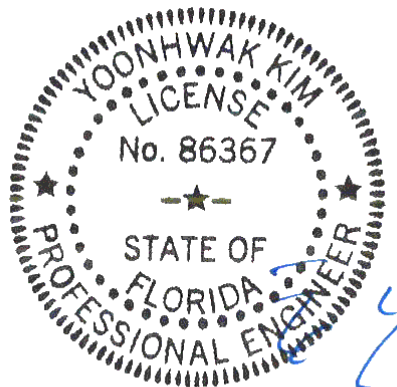
Wind

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

Right cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

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

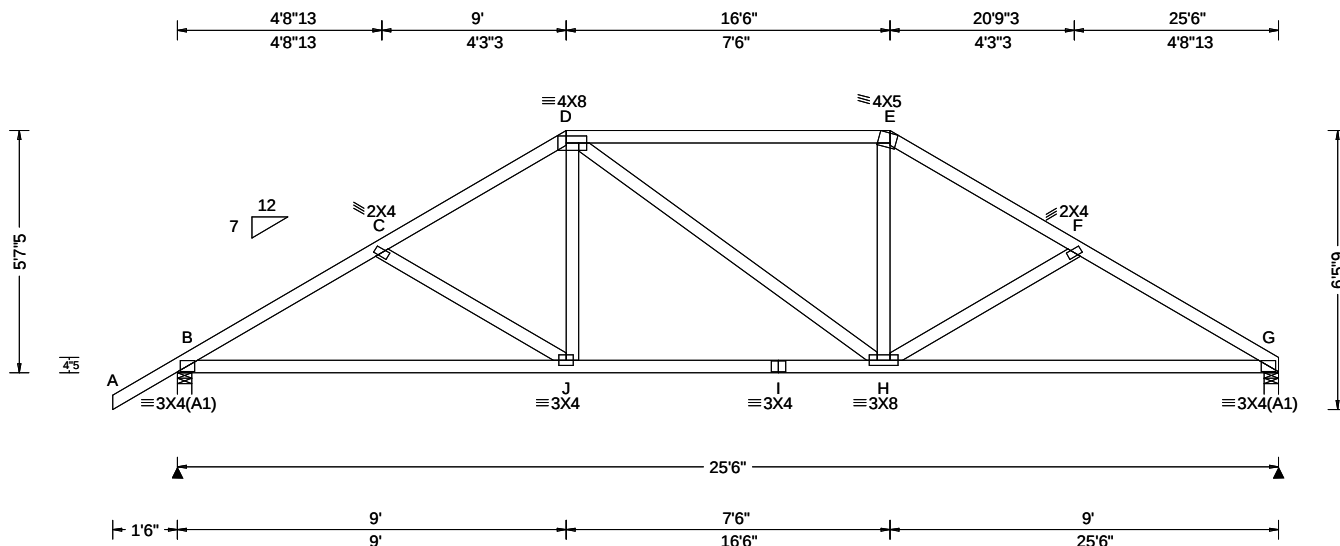


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02/03/2021

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Suite 242
Earth City, Missouri 63045

SEQN: 4158 FROM: SDY	HIPS Ply: 1 Qty: 1	Job Number: 20-4975 Jimenez Truss Label: A09	Cust: R 215 JRef: 1X2L2150004 T28 DrwNo: 034.21.0815.21777 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.052 J 999 240 VERT(CL): 0.097 J 999 180 HORZ(LL): 0.026 H - - HORZ(TL): 0.048 H - - Creep Factor: 2.0 Max TC CSI: 0.629 Max BC CSI: 0.781 Max Web CSI: 0.144 VIEW Ver: 20.01.01A.0724.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1066 /- /- /597 /105 /163 G 968 /- /- /522 /89 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 G Brg Width = 4.0 Min Req = 1.5 Bearings B & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 639 -1513 E - F 621 -1305 C - D 617 -1302 F - G 649 -1529 D - E 592 -1093

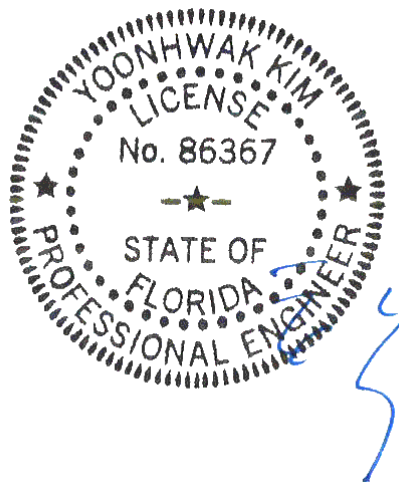
Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

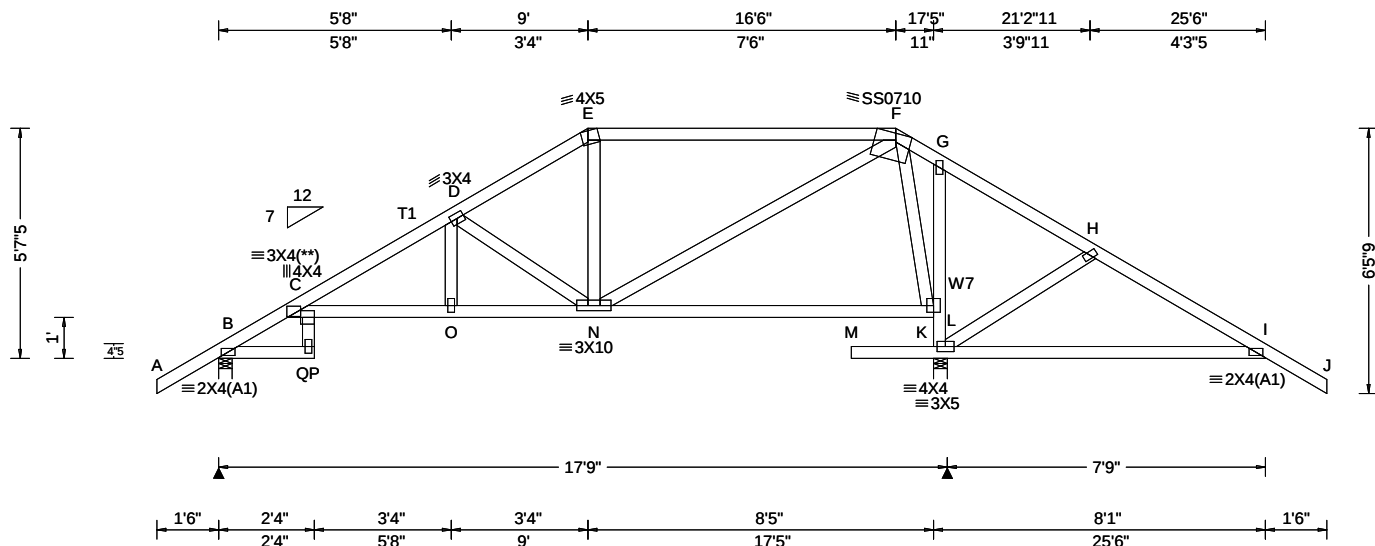


FL REG# 278, Yoonhwak Kim, FL PE #86367
02/03/2021

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SEQN: 4300 FROM: SDY	HIPS Ply: 1 Qty: 1	Job Number: 20-4975 Jimenez Truss Label: A10	Cust: R 215 JRef: 1X2L2150004 T8 DrwNo: 034.21.0815.24933 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE, 18SS	PP Deflection in loc L/def L/# VERT(LL): 0.241 K 387 240 VERT(CL): 0.427 P 493 180 HORZ(LL): -0.174 K - - HORZ(TL): 0.258 N - - Creep Factor: 2.0 Max TC CSI: 0.686 Max BC CSI: 0.658 Max Web CSI: 0.707 VIEW Ver: 20.01.01A.0724.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 698 /- /- /438 /142 /179 K 1526 /- /- /1033 /269 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 K Brg Width = 4.0 Min Req = 1.5 Bearings B & 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 185 -440 F - G 977 -646 C - D 367 -1044 G - H 804 -474 D - E 333 -706 H - I 612 -468 E - F 330 -566

Lumber
Top chord: 2x4 SP #2; T1 2x4 SP M-31;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W7 2x4 SP M-31;

Plating Notes

All plates are 2X4 except as noted.

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

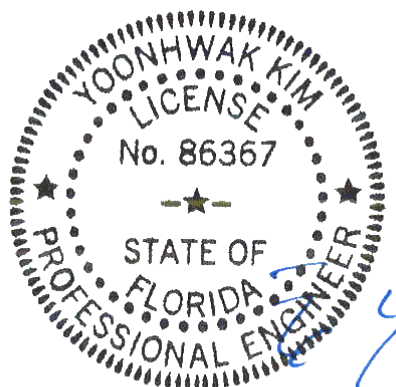
Wind

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

Right cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

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

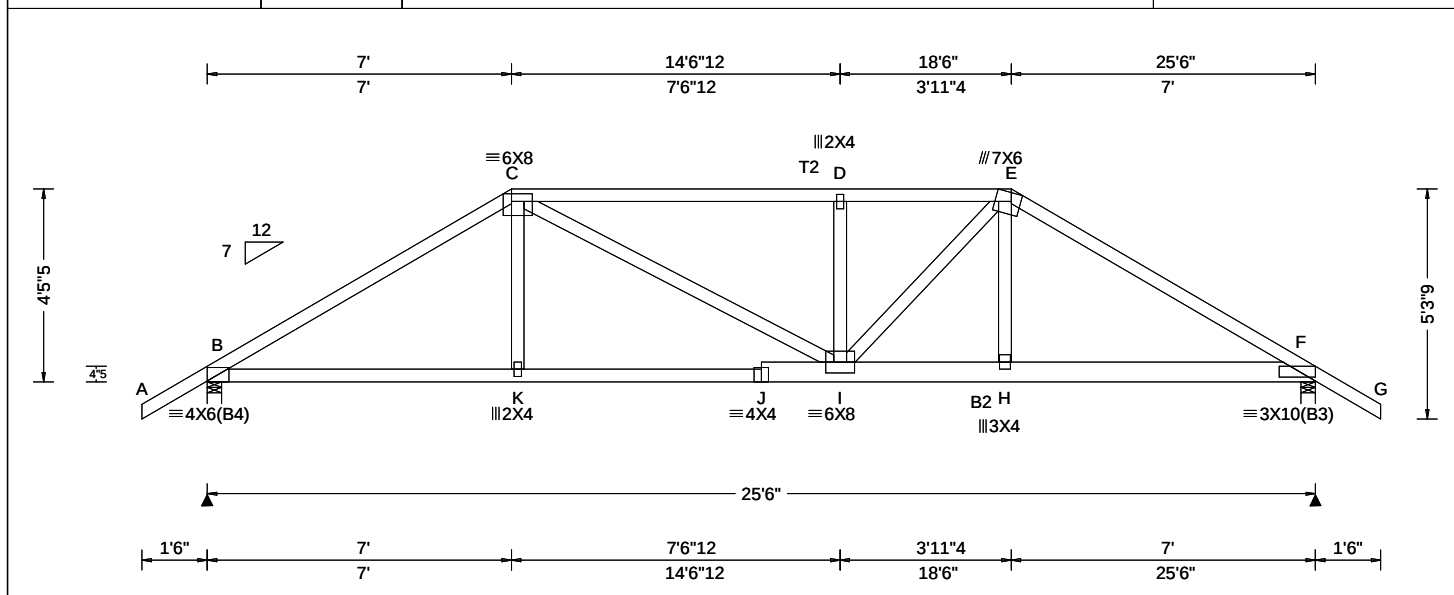


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02/03/2021

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Suite 242
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SEQN: 4148 FROM: SDY	HIPS Ply: 1 Qty: 1	Job Number: 20-4975 Jimenez Truss Label: A11	Cust: R 215 JRef: 1X2L2150004 T59 DrwNo: 034.21.0815.30250 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.151 D 999 240 VERT(CL): 0.279 D 999 180 HORZ(LL): 0.044 H - - HORZ(TL): 0.081 H - - Creep Factor: 2.0 Max TC CSI: 0.980 Max BC CSI: 0.851 Max Web CSI: 0.733 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 1802 - / - / - / 328 - / - F 2385 - / - / - / 423 - / - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.8 F Brg Width = 4.0 Min Req = 2.0 Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 494 - 2905 D - E 605 - 4127 C - D 604 - 4126 E - F 681 - 4049

Lumber

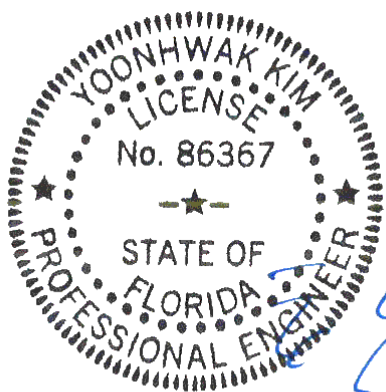
Top chord: 2x4 SP #2; T2 2x4 SP M-31;
Bot chord: 2x4 SP #2; B2 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3;

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 56 plf at -1.50 to 56 plf at 14.56
TC: From 28 plf at 14.56 to 28 plf at 18.50
TC: From 56 plf at 18.50 to 56 plf at 27.00
BC: From 5 plf at -1.50 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 12.75
BC: From 10 plf at 12.75 to 10 plf at 18.50
BC: From 20 plf at 18.50 to 20 plf at 25.50
BC: From 5 plf at 25.50 to 5 plf at 27.00
TC: 152 lb Conc. Load at 16.44
TC: 406 lb Conc. Load at 18.50
BC: 1105 lb Conc. Load at 14.56
BC: 108 lb Conc. Load at 16.44
BC: 458 lb Conc. Load at 18.50

Wind

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

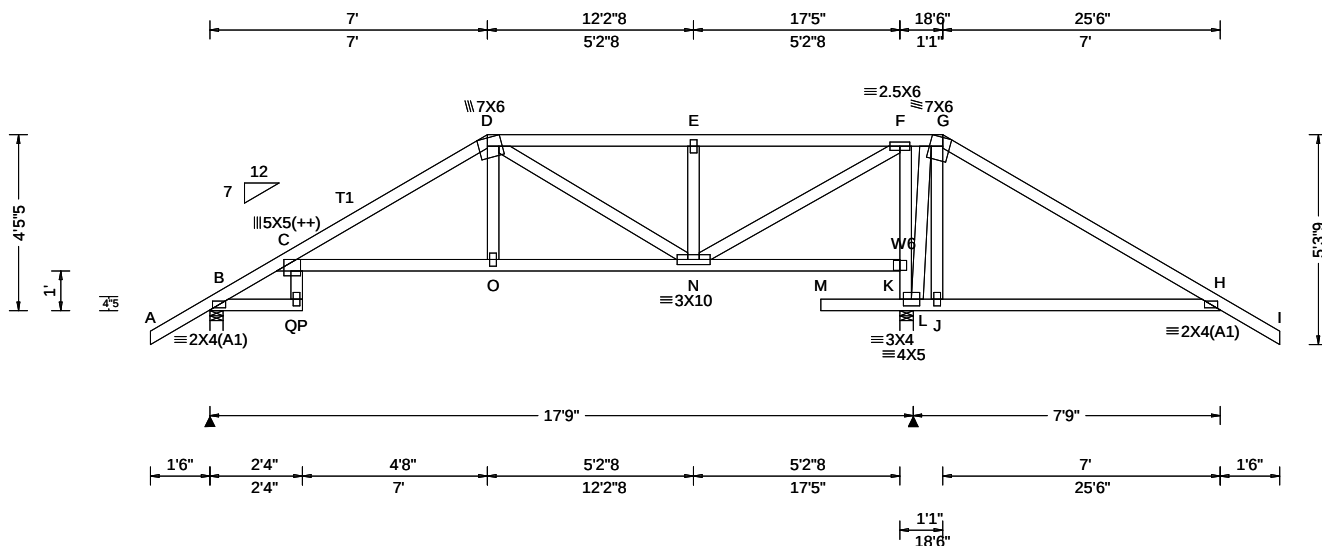


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02/03/2021

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SEQN: 4303 FROM: SDY	HIPS Ply: 1 Qty: 1	Job Number: 20-4975 Jimenez Truss Label: A12	Cust: R 215 JRef: 1X2L2150004 T16 DrwNo: 034.21.0815.32833 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.234 P 900 240 VERT(CL): 0.531 P 396 180 HORZ(LL): -0.153 J - - HORZ(TL): 0.316 N - - Creep Factor: 2.0 Max TC CSI: 0.835 Max BC CSI: 0.433 Max Web CSI: 0.682 VIEW Ver: 20.01.01A.0724.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 698 /- /- /429 /144 /148 K 1526 /- /- /1020 /318 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 K Brg Width = 4.0 Min Req = 1.5 Bearings B & 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 231 -462 E - F 471 -532 C - D 446 -918 F - G 730 -431 D - E 471 -533 G - H 776 -436

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W6 2x4 SP M-31;

Plating Notes

All plates are 2X4 except as noted.

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

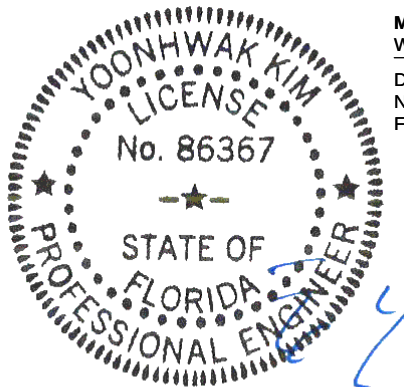
Wind

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

Right cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

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



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Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
C - Q	654 -254	N - L	659 -868
Q - O	804 -338	K - J	464 -581
O - N	811 -336	J - H	475 -594

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
D - N	186 -567	L - K	784 -1047
N - F	1131 -690	K - G	669 -886
F - L	738 -966	J - G	618 -541

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Earth City, Missouri 63045

The drawing illustrates a roof truss system with the following components and dimensions:

- Top Chord:** Members include $\equiv 4 \times 8$ (E), $\equiv 3 \times 10$ (G), and $\equiv 6 \times 8$ (H).
- Bottom Chord:** Members include $\equiv 2 \times 4$ (A1), $\equiv 3 \times 4$ (P), $\equiv 4 \times 12$ (O), $\equiv 6 \times 8$ (N), $\equiv 3 \times 4$ (K), and $\equiv 2 \times 4$ (A1).
- Vertical Members:** $\equiv 7 \times 6$ (++) (D), $\equiv 3 \times 4$ (T1), $\equiv 3 \times 4$ (W), $\equiv 3 \times 4$ (Q), $\equiv 4 \times 12$ (O), $\equiv 6 \times 8$ (N), $\equiv 3 \times 4$ (K), and $\equiv 2 \times 4$ (A1).
- Diagonal Members:** $\equiv 3 \times 4$ (D), $\equiv 3 \times 4$ (T1), $\equiv 3 \times 4$ (W), $\equiv 3 \times 4$ (Q), $\equiv 4 \times 12$ (O), $\equiv 6 \times 8$ (N), $\equiv 3 \times 4$ (K), and $\equiv 2 \times 4$ (A1).
- Dimensions:**
 - Overall width: 33'5"
 - Overall height: 41'9"
 - Top chord segments: 2'11", 5', 11'2"8, 17'5", 20'6", 25'6"
 - Bottom chord segments: 1'6", 1'8"2, 7", 6'2"8, 6'2"8, 3'1", 5', 1'6"
 - Vertical segments: 1', 4'6", 20'2", 5'4"
 - Other dimensions: 7", 12", 18'2", 2'11", 7"14, 2'1", 5', 24", 11'2"8, 17'5", 20'6", 25'6"

Lumber	C - D	644 - 3512	G - H	65 - 724
Top chord: 2x4 SP #2; T1 2x4 SP M-31;	D - E	464 - 2606	H - I	650 - 194
Bot chord: 2x4 SP M-31; B3 2x4 SP #2;	E - F	475 - 2701		
Web: 2x4 SP #3; W2 2x4 SP #2;				

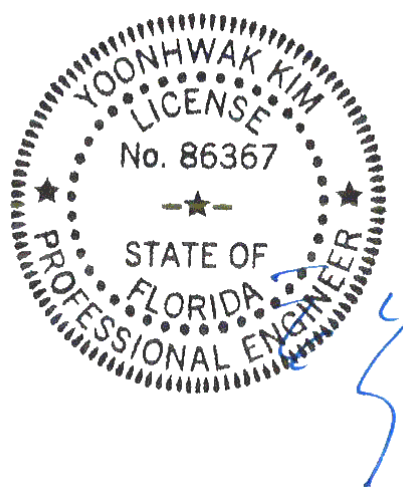
Plating Notes			Chords	Tens.Comp.	Chords	Tens. Comp.
All plates are 2X4 except as noted.			C - S	3236 - 584	P - O	2273 - 410
(++) - This plate works for both joints covered.			S - Q	3234 - 584	O - L	794 - 83
			C - P	3105 - 576	K - L	140 - 409

Loading #1 hip supports 5-0-0 jacks with no webs.

Wind	Webbs	Tens.Comp.	Webbs	Tens. Comp.
Wind loads and reactions based on MWFRS.	C - T	255 - 1335	F - O	265 - 565
Right cantilever is exposed to wind	S - R	977 - 170	O - G	2002 - 413
	Q - D	435 - 87	G - L	323 - 1043
Wind loading based on both gable and hip roof types.	D - P	179 - 990	L - K	187 - 677

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

E - P	765	-32	L - H	1581	-277
E - O	448	-69	K - H	332	-1362



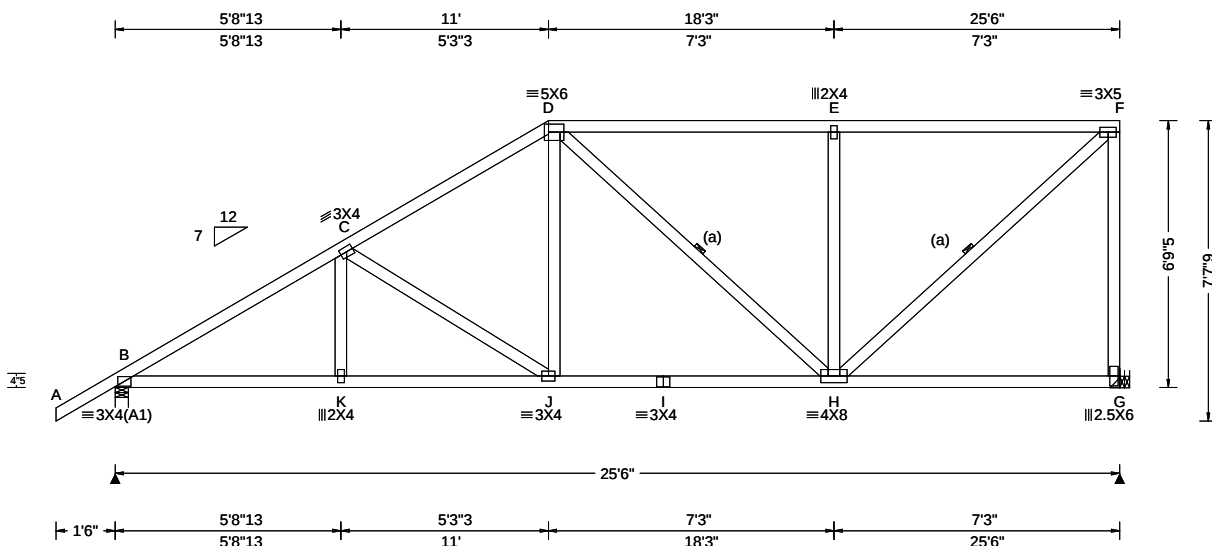
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02/03/2021

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SEQN: 4170 FROM: SDY	HIPM Ply: 1 Qty: 1	Job Number: 20-4975 Jimenez Truss Label: A14	Cust: R 215 JRef: 1X2L2150004 T51 DrwNo: 034.21.0815.37117 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.050 J 999 240 VERT(CL): 0.093 J 999 180 HORZ(LL): 0.018 H - - HORZ(TL): 0.033 H - - Creep Factor: 2.0 Max TC CSI: 0.825 Max BC CSI: 0.720 Max Web CSI: 0.740 VIEW Ver: 20.01.01A.0724.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1072 - / - / - / 638 / 205 / 251 G 963 - / - / - / 485 / 240 / - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 G Brg Width = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 565 - 1538 D - E 524 - 835 C - D 570 - 1174 E - F 524 - 834

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=25'3" uses the following support conditions: 25'3"

Bearing G (25'3", 9'1"2) LUS26

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

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

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

Wind

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

Right end vertical not exposed to wind pressure.

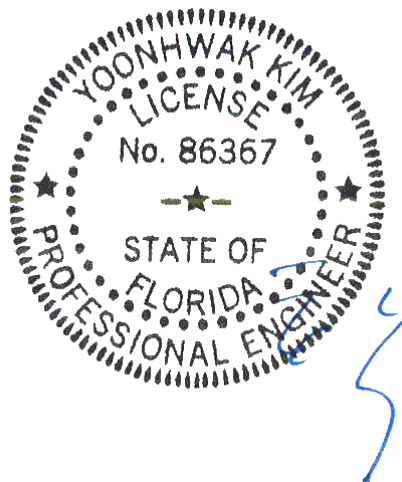
Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - K	1260 - 642	J - I	953 - 545
K - J	1258 - 644	I - H	953 - 545

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
D - J	396 - 23	H - F	1119 - 702
E - H	540 - 475	F - G	645 - 905



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/03/2021

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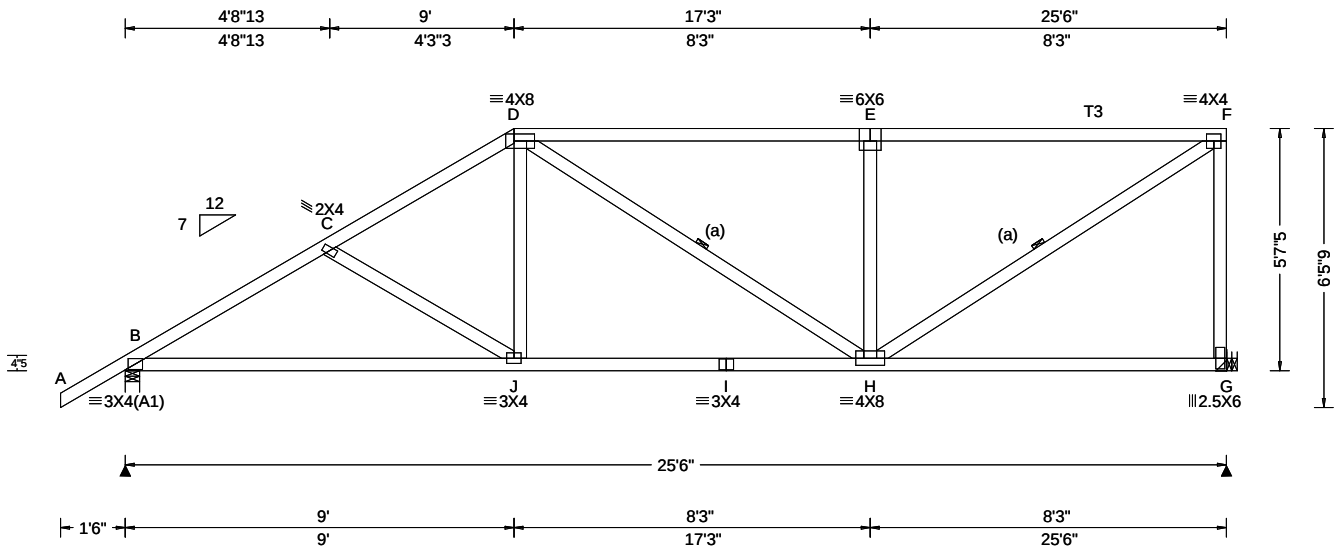
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ALPINE
AN ITW COMPANY
514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4173 FROM: SDY	HIPM Ply: 1 Qty: 1	Job Number: 20-4975 Jimenez Truss Label: A15	Cust: R 215 JRef: 1X2L2150004 T50 DrwNo: 034.21.0815.38510 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.052 E 999 240 VERT(CL): 0.098 E 999 180 HORZ(LL): 0.017 C - - HORZ(TL): 0.032 C - - Creep Factor: 2.0 Max TC CSI: 0.874 Max BC CSI: 0.864 Max Web CSI: 0.577 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 1072 - / - / 624 / 216 / 210 G 963 - / - / 471 / 232 - / - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 G Brg Width = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 692 - 1526 D - E 712 - 1108 C - D 674 - 1314 E - F 712 - 1107

Lumber

Top chord: 2x4 SP #2; T3 2x4 SP M-31;
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=25'3" uses the following support conditions: 25'3"

Bearing G (25'3", 9'1"2) LUS26

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

(4) 0.148"x3" nails into supporting member,
(3) 0.148"x3" nails into supported member.

Wind

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

Right end vertical not exposed to wind pressure.

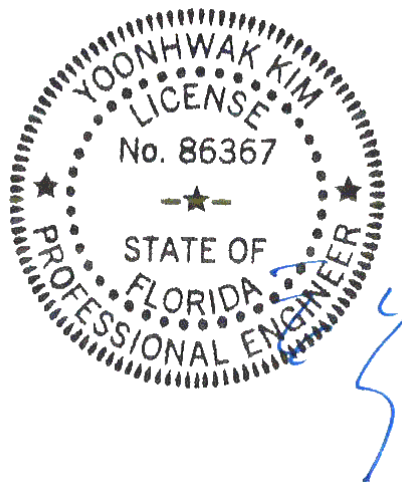
Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - J	1262 - 712	I - H	1094 - 641
J - I	1094 - 641		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
D - J	390 0	H - F	1317 - 847
E - H	600 - 538	F - G	664 - 897



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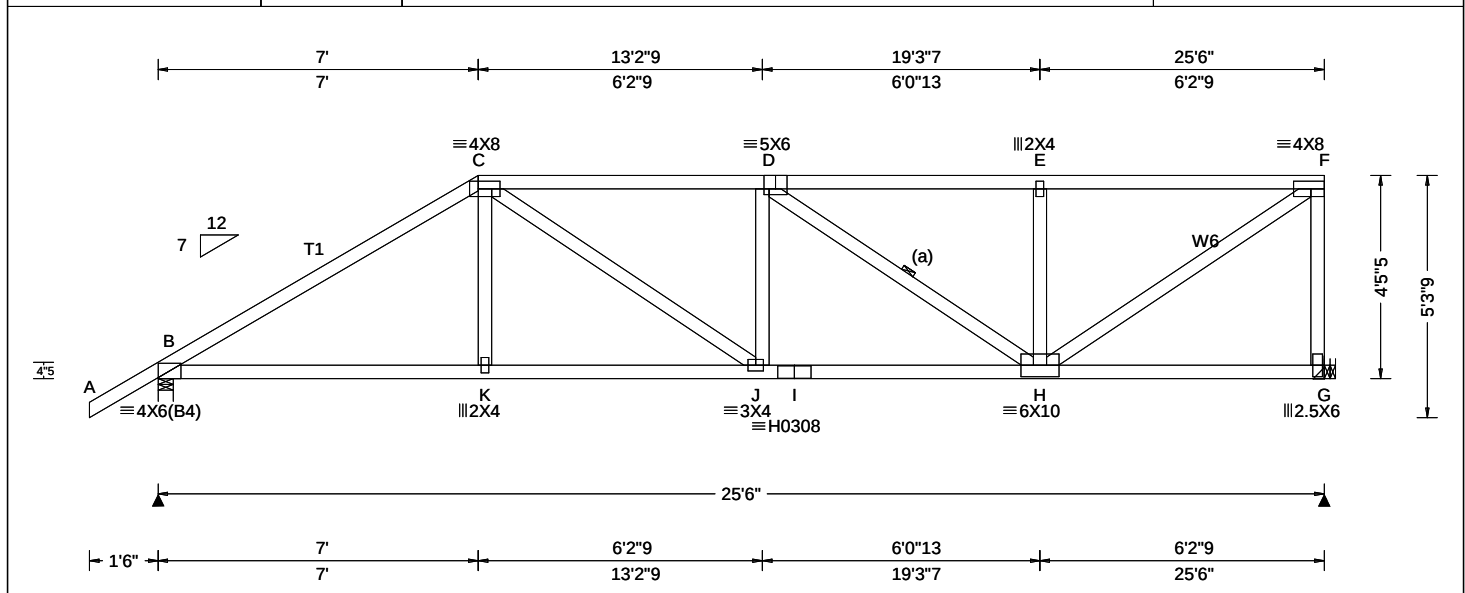
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514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4182 FROM: SDY	HIPM Ply: 1 Qty: 1	Job Number: 20-4975 Jimenez Truss Label: A16	Cust: R 215 JRef: 1X2L2150004 T48 DrwNo: 034.21.0815.40013 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/def L/# VERT(LL): 0.127 D 999 240 VERT(CL): 0.242 D 999 180 HORZ(LL): 0.035 H - - HORZ(TL): 0.067 H - - Creep Factor: 2.0 Max TC CSI: 0.608 Max BC CSI: 0.488 Max Web CSI: 0.711 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 1980 /- /- /- /418 /- G 2085 /- /- /- /414 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 G Brg Width = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 664 -3239 D - E 496 -2513 C - D 656 -3334 E - F 496 -2513

Lumber Top chord: 2x4 SP M-31; T1 2x4 SP #2; Bot chord: 2x4 SP M-31; Webs: 2x4 SP #3; W6 2x4 SP #2;	Wind Wind loads and reactions based on MWFRS. Right end vertical not exposed to wind pressure. Wind loading based on both gable and hip roof types.	Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - K 2716 -538 J - I 3343 -671 K - J 2738 -538 I - H 3343 -671
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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=25'3" uses the following support conditions: 25'3" Bearing G (25'3", 9'1"2) HUS26 Supporting Member: (2)2x6 SP 2400f-2.0E (14) 0.148"x3" nails into supporting member, (6) 0.148"x3" nails into supported member.	Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. C - K 635 0 E - H 364 -795 C - J 720 -143 H - F 3022 -597 D - H 213 -1013 F - G 466 -1975
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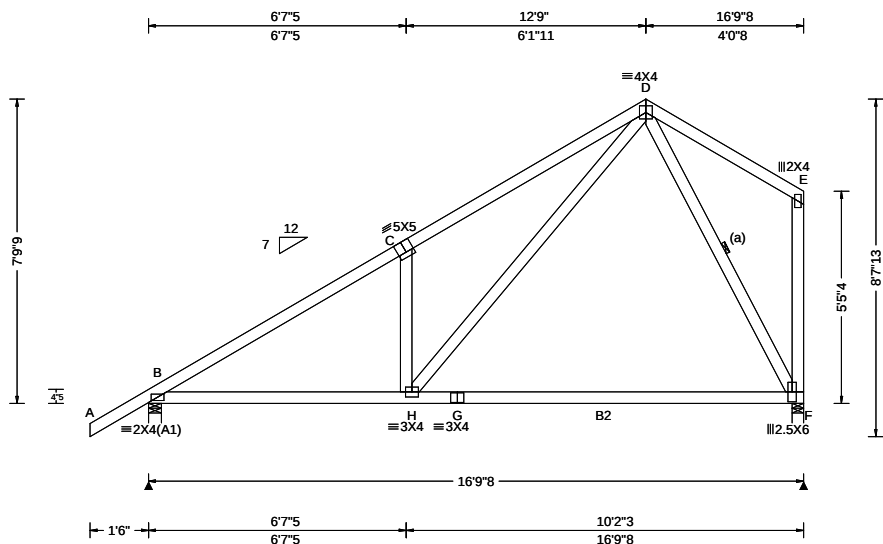
Loading
#1 hip supports 7-0-0 jacks with no webs.

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02/03/2021

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SEQN: 4220 FROM: SDY	SPEC Ply: 1 Qty: 1	Job Number: 20-4975 Jimenez Truss Label: A17	Cust: R 215 JRef: 1X2L2150004 T47 DrwNo: 034.21.0815.41450 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.027 C 999 240 VERT(CL): 0.051 C 999 180 HORZ(LL): 0.010 C - - HORZ(TL): 0.019 C - - Creep Factor: 2.0 Max TC CSI: 0.500 Max BC CSI: 0.829 Max Web CSI: 0.584 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL B 742 /- /- /496 /105 /208 F 629 /- /- /513 /56 /- Non-Gravity Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 F Brg Width = 3.5 Min Req = 1.5 Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 237 -933 C - D 466 -933

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31; B2 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

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

Maximum Bot Chord Forces Per Ply (lbs)

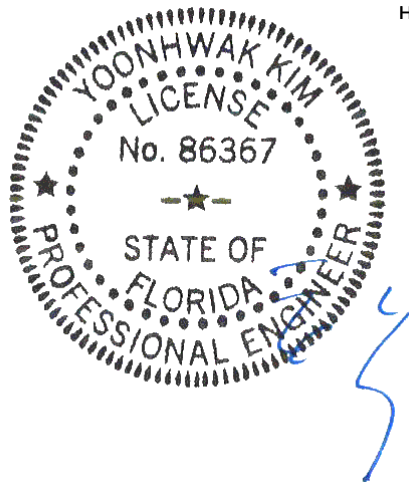
Chords Tens.Comp.

B - H 737 -369

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. Webs Tens. Comp.

C - H 437 -383 D - F 233 -495
H - D 767 -385



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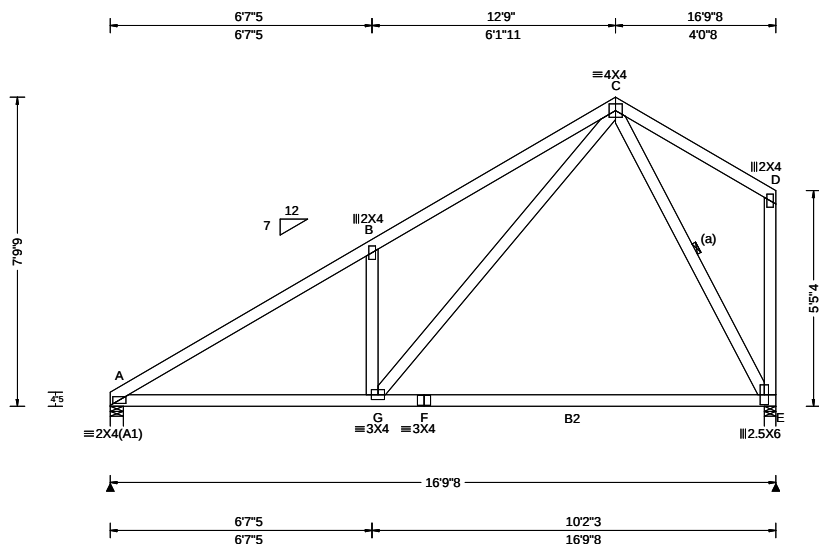
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AN ITW COMPANY
514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4217 FROM: SDY	SPEC Ply: 1 Qty: 1	Job Number: 20-4975 Jimenez Truss Label: A18	Cust: R 215 JRef: 1X2L2150004 T34 DrwNo: 034.21.0815.42823 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.027 B 999 240 VERT(CL): 0.051 B 999 180 HORZ(LL): 0.010 B - - HORZ(TL): 0.020 B - - Creep Factor: 2.0 Max TC CSI: 0.537 Max BC CSI: 0.827 Max Web CSI: 0.640 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL A 645 /- /- /419 /74 /191 E 634 /- /- /518 /58 /- Non-Gravity Wind reactions based on MWFRS A Brg Width = 4.0 Min Req = 1.5 E Brg Width = 3.5 Min Req = 1.5 Bearings A & E are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 252 -950 B - C 486 -955

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31; B2 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

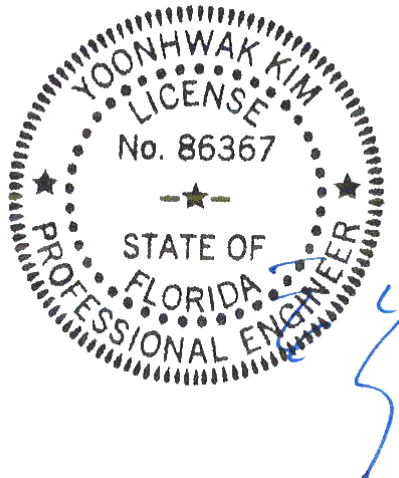
Chords Tens.Comp.

A - G 755 -386

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. Webs Tens. Comp.

B - G 450 -394 C - E 238 -501
G - C 791 -407



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02/03/2021

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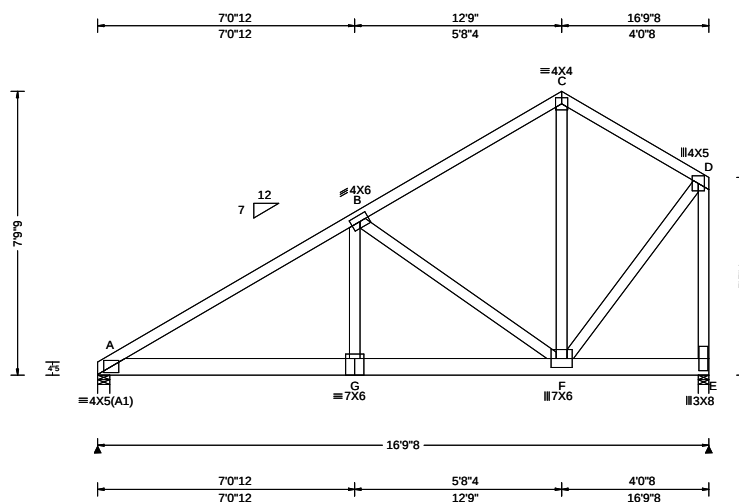
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AN ITW COMPANY
514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4189 FROM: SDY	SPEC Ply: 2 Qty: 1	Job Number: 20-4975 Jimenez Truss Label: A19	Cust: R 215 JRef: 1X2L2150004 T52 DrwNo: 034.21.0815.48097 / YK 02/03/2021
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.061 G 999 240 VERT(CL): 0.112 G 999 180 HORZ(LL): -0.013 C - - HORZ(TL): 0.024 C - - Creep Factor: 2.0 Max TC CSI: 0.421 Max BC CSI: 0.441 Max Web CSI: 0.732 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A 2891 /- /- /- /614 /- E 4232 /- /- /- /905 /- Wind reactions based on MWFRS A Brg Width = 4.0 Min Req = 1.5 E Brg Width = 3.5 Min Req = 1.8 Bearings A & E are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 585 - 2678 C - D 267 - 1208 B - C 266 - 1205

Lumber

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

Nailnote

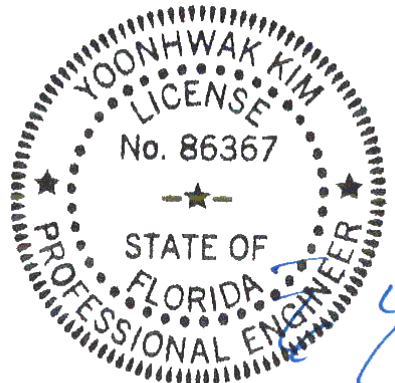
Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 4.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails
in each row to avoid splitting.

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 56 plf at 0.00 to 56 plf at 7.06
TC: From 28 plf at 7.06 to 28 plf at 12.75
TC: From 56 plf at 12.75 to 56 plf at 16.79
BC: From 20 plf at 0.00 to 20 plf at 7.06
BC: From 10 plf at 7.06 to 10 plf at 16.79
BC: 2085 lb Conc. Load at 7.06
BC: 963 lb Conc. Load at 9.06,11.06
BC: 1045 lb Conc. Load at 13.06,15.06

Wind

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

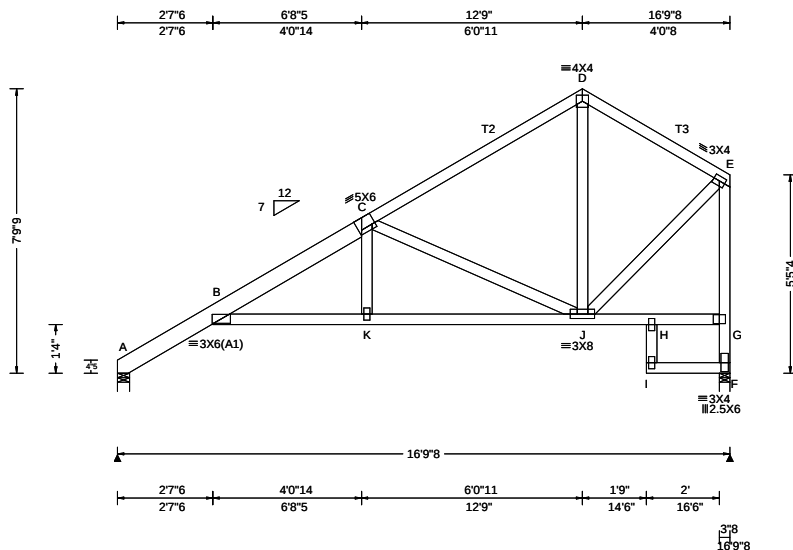


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02/03/2021

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514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4272 FROM: SDY	SPEC	Ply: 1 Qty: 8	Job Number: 20-4975 Jimenez Truss Label: A20	Cust: R 215 JRef: 1X2L2150004 T36 DrwNo: 034.21.0815.51820 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.170 K 999 240 VERT(CL): 0.306 K 646 180 HORZ(LL): 0.128 I - - HORZ(TL): 0.234 I - - Creep Factor: 2.0 Max TC CSI: 0.445 Max BC CSI: 0.420 Max Web CSI: 0.620 VIEW Ver: 20.01.01A.0724.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 602 /- /- /321 /149 /281 F 625 /- /- /354 /135 /- Wind reactions based on MWFRS A Brg Width = 4.0 Min Req = 1.5 F Brg Width = 3.5 Min Req = 1.5 Bearings A & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 504 -1082 D - E 297 -434 C - D 296 -486

Lumber

Top chord: 2x6 SP 2400f-2.0E; T2 2x4 SP M-31;
T3 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Plating Notes

All plates are 2X4 except as noted.

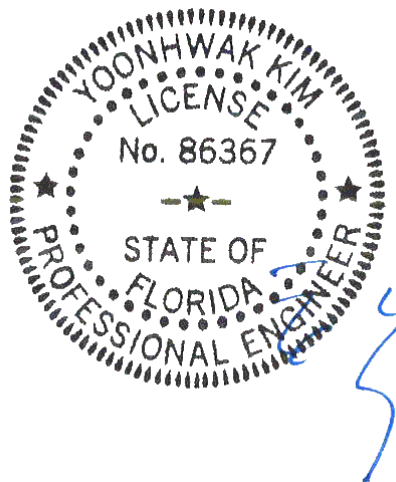
Wind

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

Right end vertical exposed to wind pressure. Deflection meets L/360.

Wind loading based on both gable and hip roof types.

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

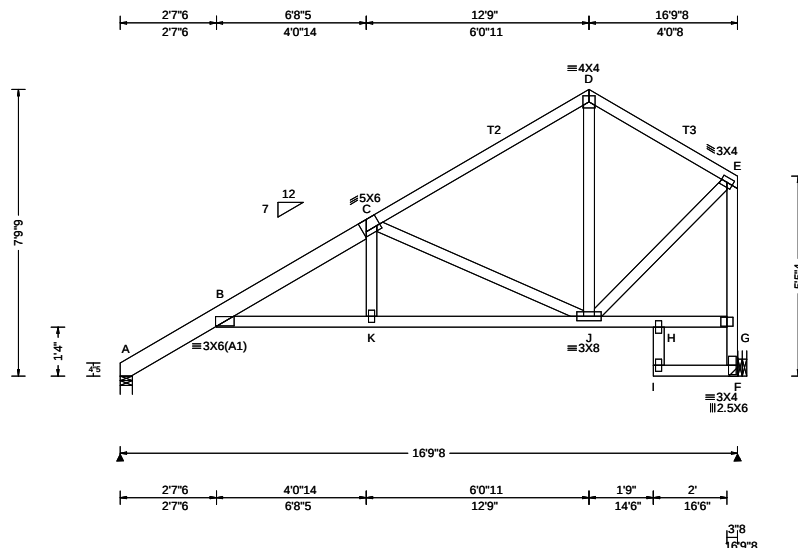


FL REG# 278, Yoonhwak Kim, FL PE #86367
02/03/2021

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514 Earth City Expressway
Suite 242
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SEQN: 4249 FROM: SDY	SPEC Ply: 1 Qty: 3	Job Number: 20-4975 Jimenez Truss Label: A21	Cust: R 215 JRef: 1X2L2150004 T37 DrwNo: 034.21.0815.54510 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.170 K 999 240 VERT(CL): 0.306 K 646 180 HORZ(LL): 0.128 I - - HORZ(TL): 0.234 I - - Creep Factor: 2.0 Max TC CSI: 0.445 Max BC CSI: 0.420 Max Web CSI: 0.620 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL A 602 /- /- /328 /129 /191 F 625 /- /- /347 /156 /- Non-Gravity Wind reactions based on MWFRS A Brg Width = 4.0 Min Req = 1.5 F Brg Width = - Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 264 -1082 D - E 151 -434 C - D 144 -486

Lumber

Top chord: 2x6 SP 2400F-2.0E; T2 2x4 SP M-31;
T3 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Plating Notes

All plates are 2X4 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

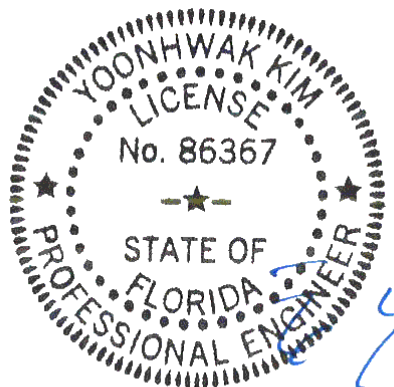
Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

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

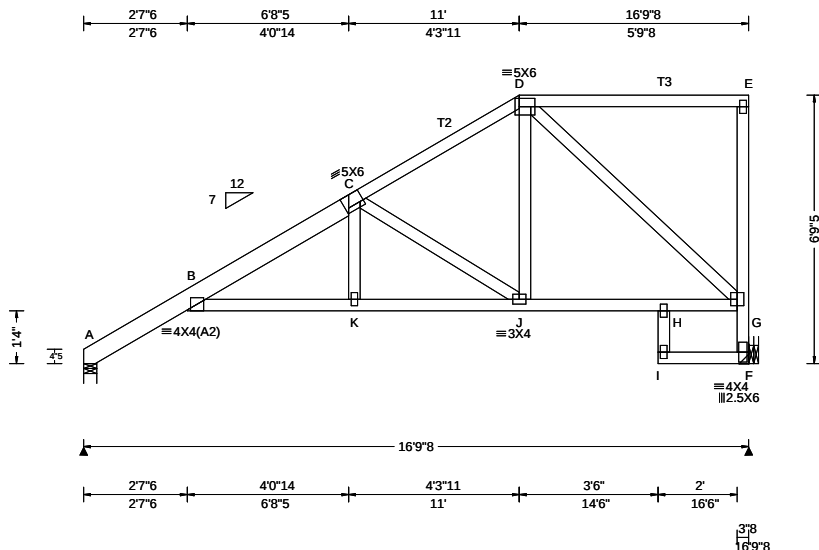


FL REG# 278, Yoonhwak Kim, FL PE #86367
02/03/2021

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514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4269 FROM: SDY	HIPM Ply: 1 Qty: 1	Job Number: 20-4975 Jimenez Truss Label: A22	Cust: R 215 JRef: 1X2L2150004 T33 DrwNo: 034.21.0815.56907 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.171 K 999 240 VERT(CL): 0.309 K 640 180 HORZ(LL): 0.132 I - - HORZ(TL): 0.241 I - - Creep Factor: 2.0 Max TC CSI: 0.468 Max BC CSI: 0.407 Max Web CSI: 0.688 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL A 602 /- /- /342 /114 /226 F 625 /- /- /352 /181 /- Non-Gravity Wind reactions based on MWFRS A Brg Width = 4.0 Min Req = 1.5 F Brg Width = - Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 512 -1045 C - D 368 - 631

Lumber

Top chord: 2x6 SP 2400F-2.0E; T2 2x4 SP M-31;
T3 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Plating Notes

All plates are 2X4 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

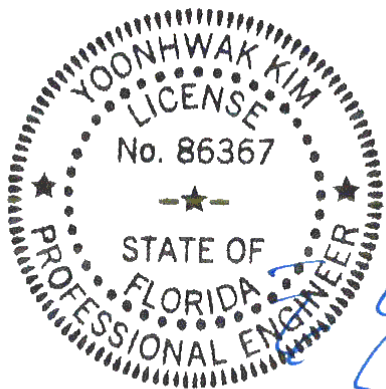
Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/03/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - K	1003 - 750	J - H	491 - 386
K - J	1002 - 743	H - G	496 - 382

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - J	416 - 601	D - G	512 - 646
D - J	436 - 141	G - F	532 - 600

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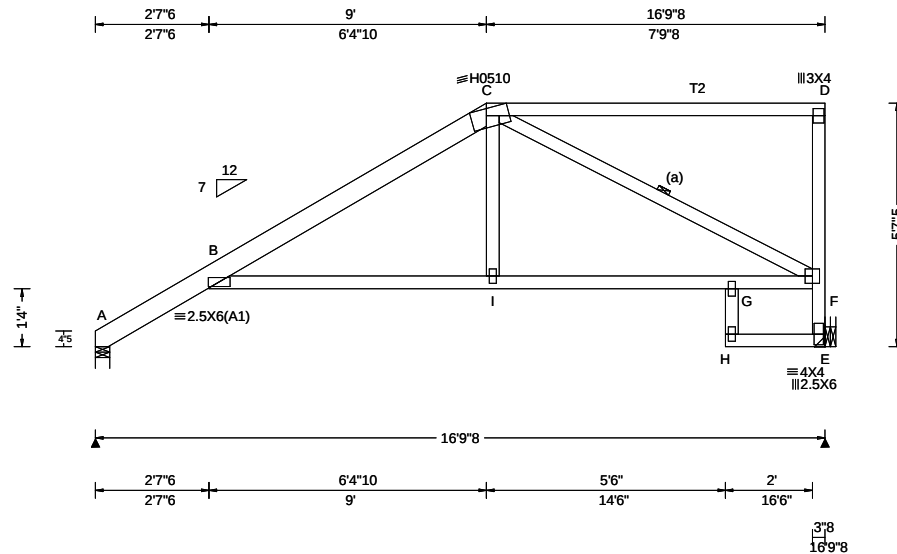
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514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4266 FROM: SDY	HIPM Ply: 1 Qty: 1	Job Number: 20-4975 Jimenez Truss Label: A23	Cust: R 215 JRef: 1X2L2150004 T45 DrwNo: 034.21.0815.59017 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.224 I 882 240 VERT(CL): 0.408 I 484 180 HORZ(LL): 0.165 H - - HORZ(TL): 0.302 H - - Creep Factor: 2.0 Max TC CSI: 0.940 Max BC CSI: 0.658 Max Web CSI: 0.354 VIEW Ver: 20.01.01A.0724.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 602 /- /- /335 /129 /184 E 625 /- /- /329 /167 /- Wind reactions based on MWFRS A Brg Width = 4.0 Min Req = 1.5 E Brg Width = - Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 461 -856

Lumber

Top chord: 2x6 SP 2400f-2.0E; T2 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.

Hangers / Ties

(J) Hanger Support Required, by others

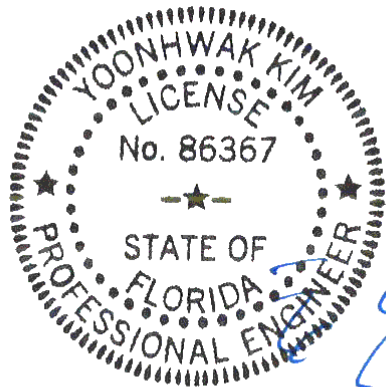
Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/03/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - I	776 -544	G - F	789 -531
I - G	778 -538		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - F	581 -846	F - E	508 -598

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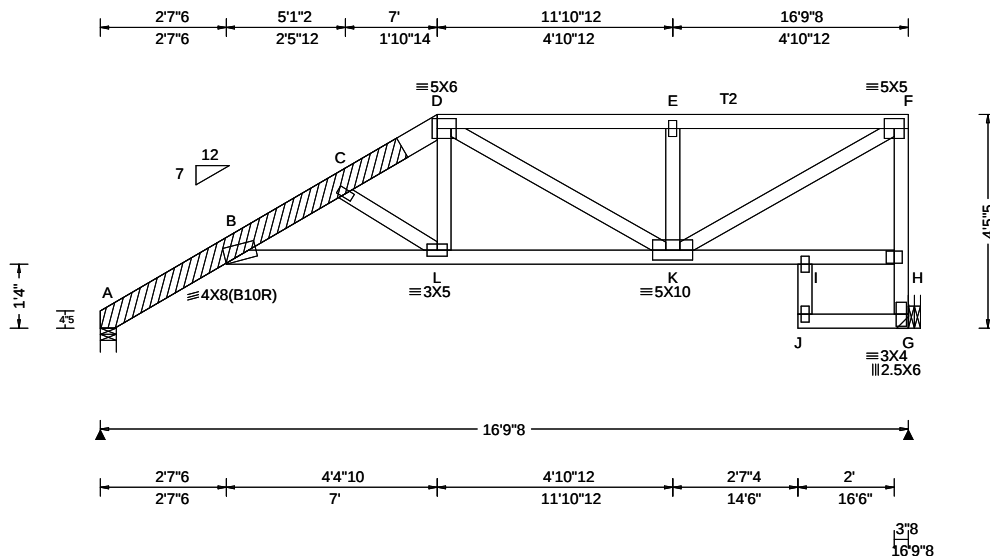
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514 Earth City Expressway
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SEQN: 4263 FROM: SDY	HIPM Ply: 1 Qty: 1	Job Number: 20-4975 Jimenez Truss Label: A24	Cust: R 215 JRef: 1X2L2150004 T43 DrwNo: 034.21.0816.01110 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 11.49 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.180 C 999 240 VERT(CL): 0.346 C 572 180 HORZ(LL): 0.145 J - - HORZ(TL): 0.278 J - - Creep Factor: 2.0 Max TC CSI: 0.649 Max BC CSI: 0.775 Max Web CSI: 0.815 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL A 1170 -/- /- /- /236 -/ G 1400 -/- /- /- /279 -/ Wind reactions based on MWFRS A Brg Width = 4.0 Min Req = 1.5 G Brg Width = - Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 116 -578 D - E 376 -1880 B - C 614 -2979 E - F 375 -1877 C - D 507 -2550

Lumber

Top chord: 2x6 SP 2400f-2.0E; T2 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Plating Notes

All plates are 2X4 except as noted.

Tray Scab(s)

(1) 2x6x7-3-12 x SP 2400f-2.0E scab at left end. Attach scab to face of chord with: 0.128"x3", min. nails @ 8" oc, plus additional nail clusters at: BRG.: (5), heel: (9), 1st panel point: (5).

Hangers / Ties

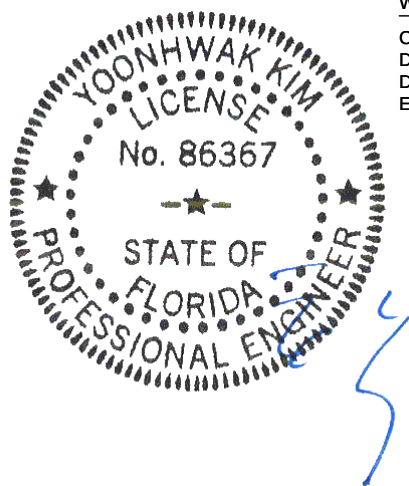
(J) Hanger Support Required, by others

Loading

#1 hip supports 7-0-0 jacks with no webs.

Wind

Wind loads and reactions based on MWFRS.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.
Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).

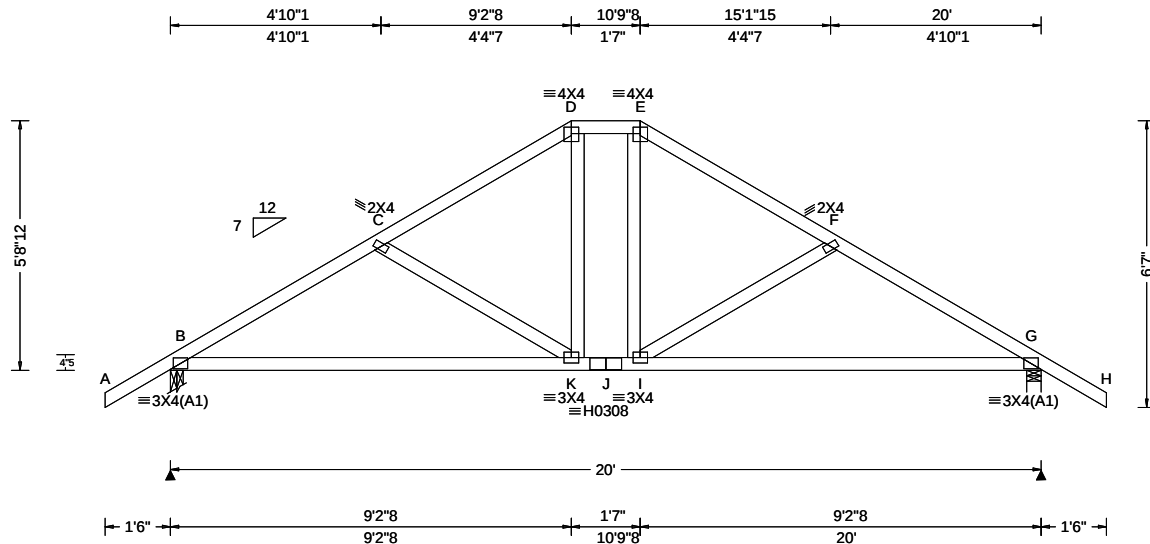


FL REG# 278, Yoonhwak Kim, FL PE #86367
02/03/2021

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Suite 242
Earth City, Missouri 63045

SEQN: 4139 FROM: SDY	HIPS Ply: 1 Qty: 1	Job Number: 20-4975 Jimenez Truss Label: B01	Cust: R 215 JRef: 1X2L2150004 T54 DrwNo: 034.21.0816.02980 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.030 999 240 VERT(CL): 0.063 999 180 HORZ(LL): 0.015 - - HORZ(TL): 0.027 - - Creep Factor: 2.0 Max TC CSI: 0.234 Max BC CSI: 0.733 Max Web CSI: 0.163 VIEW Ver: 20.01.01A.0724.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 853 - / - / - /487 /184 /183 G 853 - / - / - /487 /184 - Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 G Brg Width = 4.0 Min Req = 1.5 Bearings B & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 355 -1115 E - F 301 -870 C - D 301 -870 F - G 355 -1115 D - E 296 -691

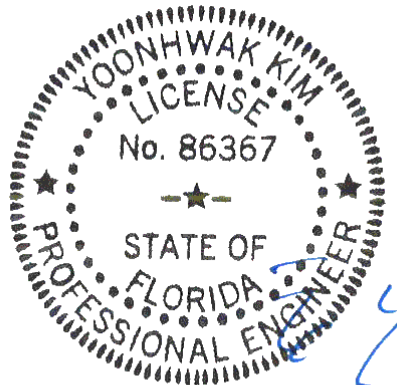
Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

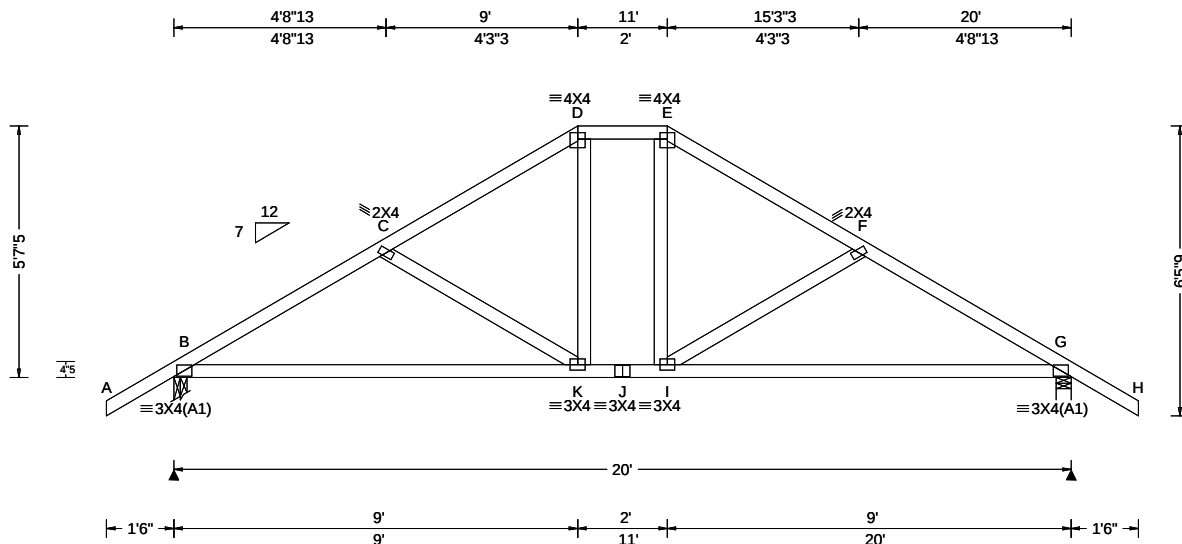


FL REG# 278, Yoonhwak Kim, FL PE #86367
02/03/2021

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SEQN: 4136 FROM: SDY	HIPS Ply: 1 Qty: 1	Job Number: 20-4975 Jimenez Truss Label: B02	Cust: R 215 JRef: 1X2L2150004 T19 DrwNo: 034.21.0816.04293 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.030 I 999 240 VERT(CL): 0.072 I 999 180 HORZ(LL): 0.015 I - - HORZ(TL): 0.028 D - - Creep Factor: 2.0 Max TC CSI: 0.278 Max BC CSI: 0.674 Max Web CSI: 0.153 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 853 /- /- /487 /184 /179 G 853 /- /- /487 /184 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 G Brg Width = 4.0 Min Req = 1.5 Bearings B & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 374 -1118 E - F 321 -880 C - D 322 -880 F - G 374 -1118 D - E 314 -702

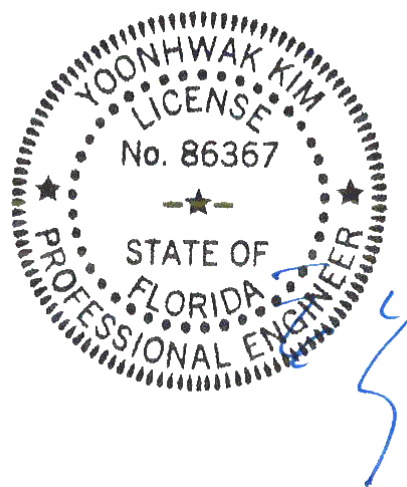
Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

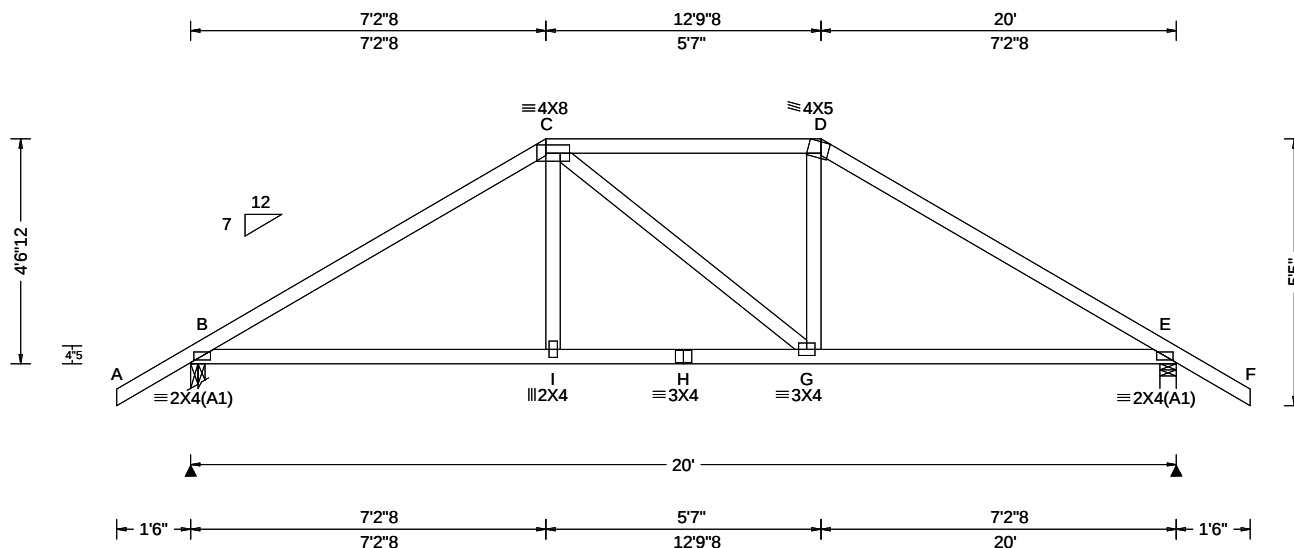


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02/03/2021

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SEQN: 4142 FROM: SDY	HIPS Ply: 1 Qty: 1	Job Number: 20-4975 Jimenez Truss Label: B03	Cust: R 215 JRef: 1X2L2150004 T20 DrwNo: 034.21.0816.05513 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.024 I 999 240 VERT(CL): 0.045 I 999 180 HORZ(LL): 0.013 G - - HORZ(TL): 0.024 G - - Creep Factor: 2.0 Max TC CSI: 0.503 Max BC CSI: 0.510 Max Web CSI: 0.096 VIEW Ver: 20.01.01A.0724.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 853 /- /- /486 /186 /152 E 853 /- /- /486 /186 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 E Brg Width = 4.0 Min Req = 1.5 Bearings B & E are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 497 -1062 D - E 497 -1060 C - D 487 -844

Lumber

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

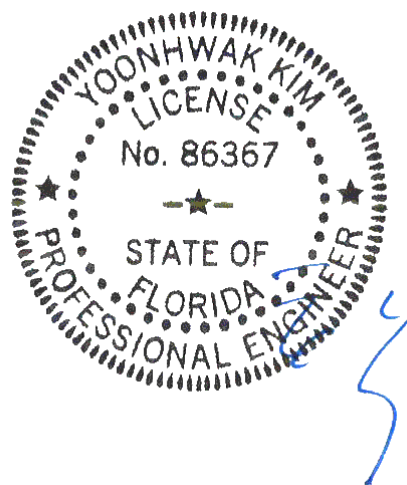
Wind

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

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - I	836 -304	H - G	840 -302
I - H	840 -302	G - E	834 -312



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02/03/2021

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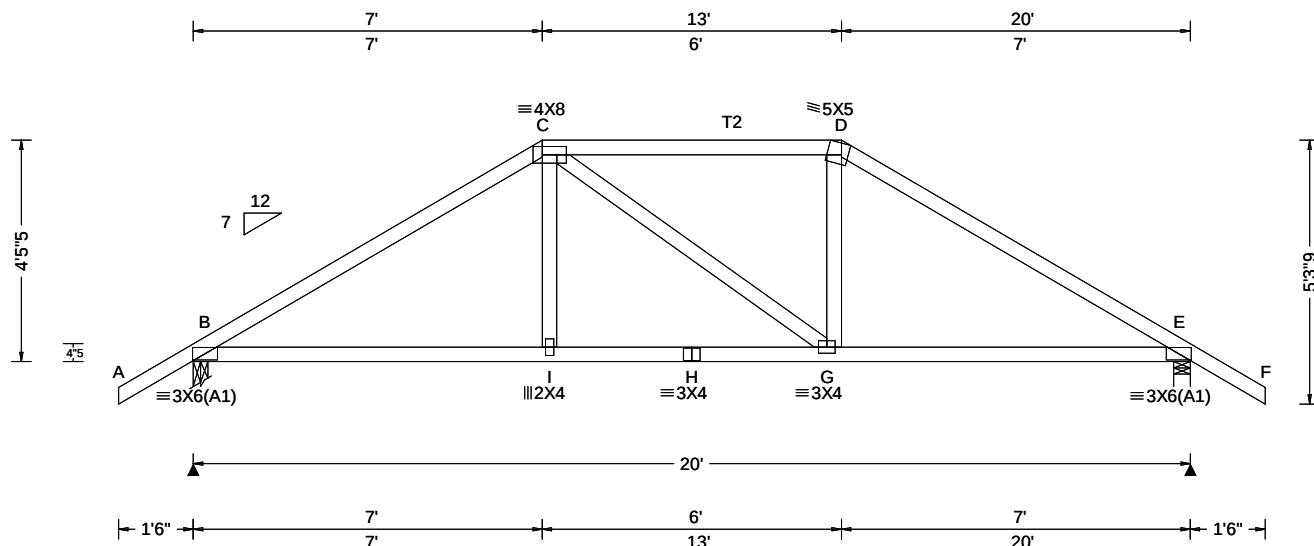
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SEQN: 4133 FROM: SDY	HIPS Ply: 1 Qty: 1	Job Number: 20-4975 Jimenez Truss Label: B04	Cust: R 215 JRef: 1X2L2150004 T21 DrwNo: 034.21.0816.06790 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 11.06 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.072 I 999 240 VERT(CL): 0.136 I 999 180 HORZ(LL): 0.034 G - - HORZ(TL): 0.065 G - - Creep Factor: 2.0 Max TC CSI: 0.580 Max BC CSI: 0.874 Max Web CSI: 0.245 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1568 -/- /- /- /337 -/ E 1570 -/- /- /- /337 -/ Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.9 E Brg Width = 4.0 Min Req = 1.9 Bearings B & E are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 510 -2449 D - E 511 -2445 C - D 405 -2079

Lumber

Top chord: 2x4 SP #2; T2 2x4 SP M-31;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Loading

#1 hip supports 7-0-0 jacks with no webs.

Wind

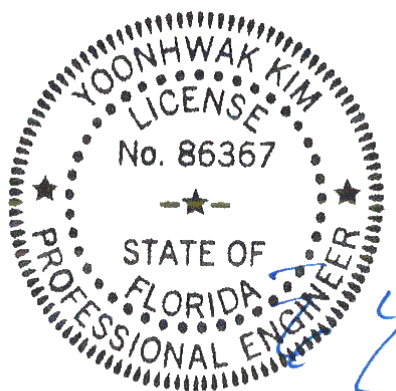
Wind loads and reactions based on MWFRS.
Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - I	2036 -405	H - G	2059 -404
I - H	2059 -404	G - E	2034 -406

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - I	631 0	G - D	642 0



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02/03/2021

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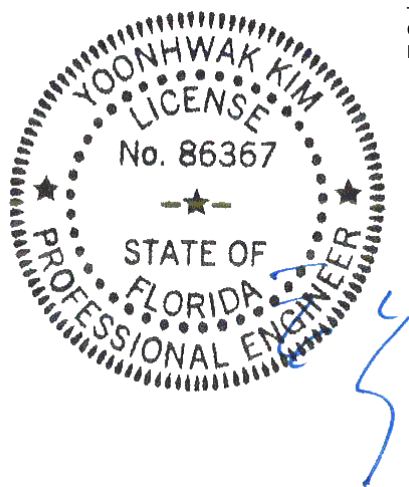
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Lumber	C - D	228	-1577	E - F	260	-1333
Top chord: 2x4 SP #2;	Maximum Bot Chord Forces Per Ply (lbs)					
Bot chord: 2x6 SP 2400f-2.0E; B2 2x4 SP #2;	Chords	Tens.Comp.	Chords	Tens.	Comp.	
Webs: 2x4 SP #3;	B - J	1519	-227	I - H	1543	-307
Special Loads	J - I	1544	-307	H - F	1088	-195
-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)	Maximum Web Forces Per Ply (lbs)					
TC: From 56 plf at -1.50 to 56 plf at 21.50	Webs	Tens.Comp.	Webs	Tens.	Comp.	
BC: From 5 plf at -1.50 to 5 plf at 0.00	C - J	597	-5	H - E	378	0
BC: From 20 plf at 0.00 to 20 plf at 20.00	D - H	136	-509			
BC: From 5 plf at 20.00 to 5 plf at 21.50						
BC: 797 lb Conc. Load at 2.69						

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



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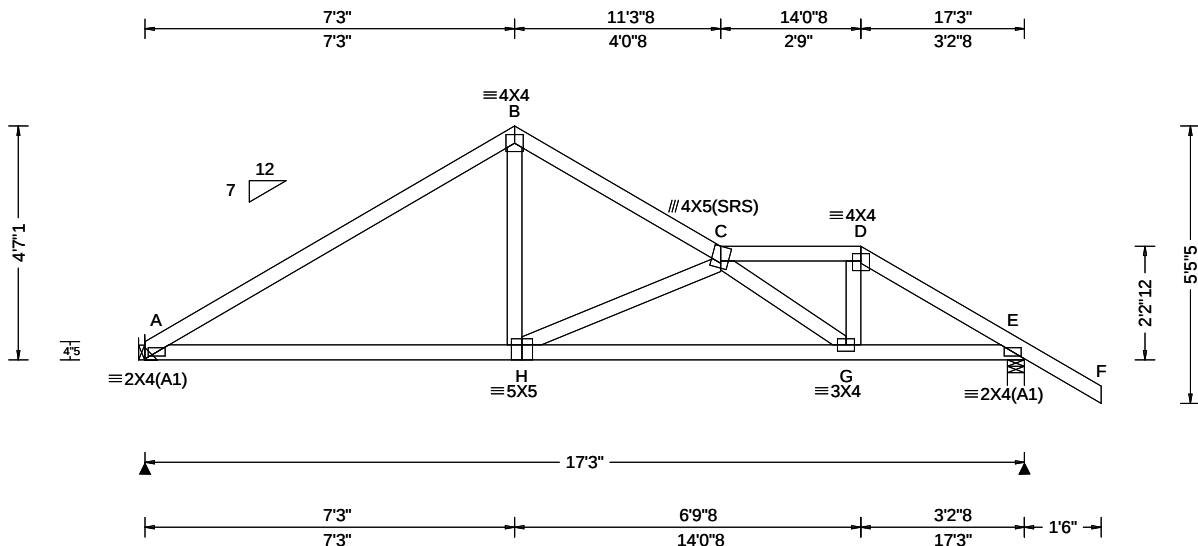
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514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4127 FROM: SDY	SPEC	Ply: 1 Qty: 1	Job Number: 20-4975 Jimenez Truss Label: C01	Cust: R 215 JRef: 1X2L2150004 T55 DrwNo: 034.21.0816.11207 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.036 C 999 240 VERT(CL): 0.068 C 999 180 HORZ(LL): 0.013 B - - HORZ(TL): 0.024 B - - Creep Factor: 2.0 Max TC CSI: 0.565 Max BC CSI: 0.581 Max Web CSI: 0.246 VIEW Ver: 20.01.01A.0724.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 652 /- /- /347 /23 /136 E 754 /- /- /421 /61 /- Wind reactions based on MWFRS A Brg Width = - Min Req = - E Brg Width = 4.0 Min Req = 1.5 Bearing E 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 288 -885 C - D 397 -869 B - C 304 -846 D - E 418 -1000

Lumber

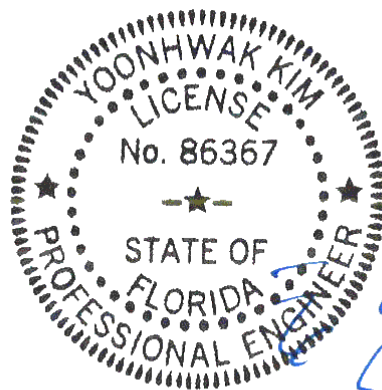
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/03/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - H	687 -115	G - E	816 -281
H - G	1235 -445		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B - H	486 -114	C - G	222 -466
H - C	381 -595		

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Structural diagram of a roof truss system. The truss has a peak at joint B. The left side is a 7-12 slope triangle. The roof is supported by a 4x4(R1) post at B. The base is supported by a 2x4(A1) at A, a 5x5 at H, a 4x4 at G, a 6x6 at D, and a 2x4(A1) at E. A horizontal member (a) connects joint H to joint C. Dimensions are given in feet and inches. A vertical dimension of 4'7 1/2" is shown on the left. A horizontal dimension of 17'3" is shown at the bottom. A vertical dimension of 10'12" is shown on the right.

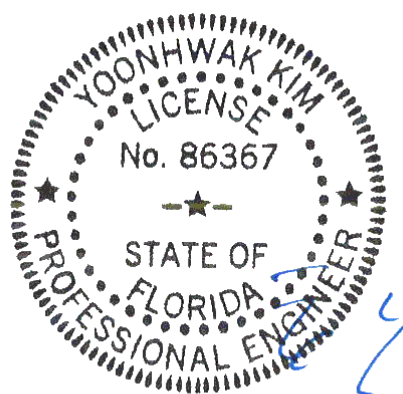
Lumber	B - C 269 - 905 D - E 465 - 1067
Top chord: 2x4 SP #2;	
Bot chord: 2x4 SP #2;	
Webs: 2x4 SP #3;	
Bracing	
(a) Continuous lateral restraint equally spaced on member.	
Hangers / Ties	
(J) Hanger Support Required, by others	
Wind	
Wind loads based on MWFRS with additional C&C member design.	
Wind loading based on both gable and hip roof types.	

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - H	711 - 141	G - F	899 - 381
H - G	2399 - 873	F - E	889 - 381

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B - H	477 - 51	C - G	229 - 443
H - C	743 - 1688	G - D	1404 - 429



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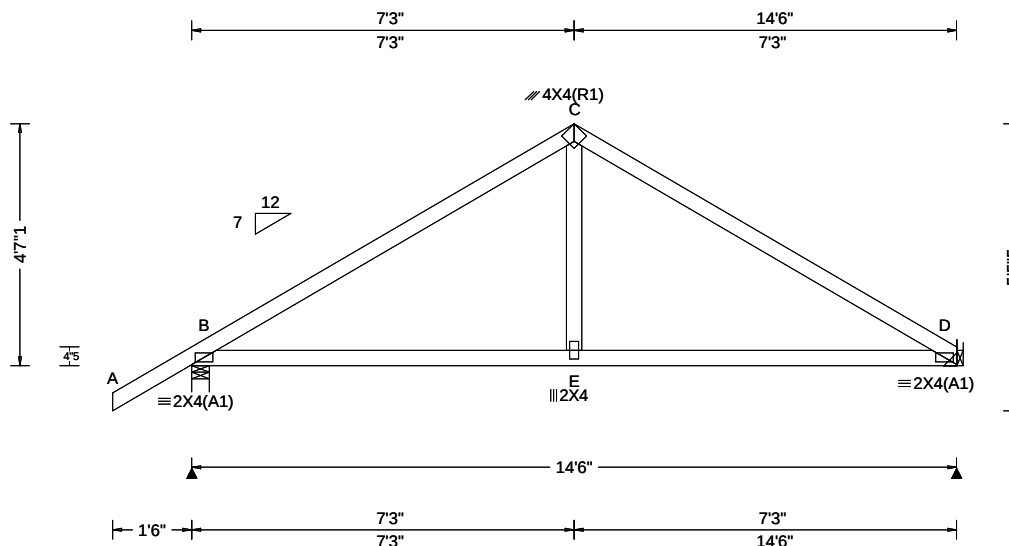
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AN ITW COMPANY
514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4117 FROM: SDY	COMN Ply: 1 Qty: 3	Job Number: 20-4975 Jimenez Truss Label: C03	Cust: R 215 JRef: 1X2L2150004 T4 DrwNo: 034.21.0816.14137 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.013 E 999 240 VERT(CL): 0.024 E 999 180 HORZ(LL): 0.006 E - - HORZ(TL): 0.010 E - - Creep Factor: 2.0 Max TC CSI: 0.508 Max BC CSI: 0.543 Max Web CSI: 0.124 VIEW Ver: 20.01.01A.0724.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 650 -/- /- /374 /30 /136 D 546 -/- /- /296 /19 -/ Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 218 -704 C - D 216 -701 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - E 533 -86 E - D 533 -86

Lumber

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

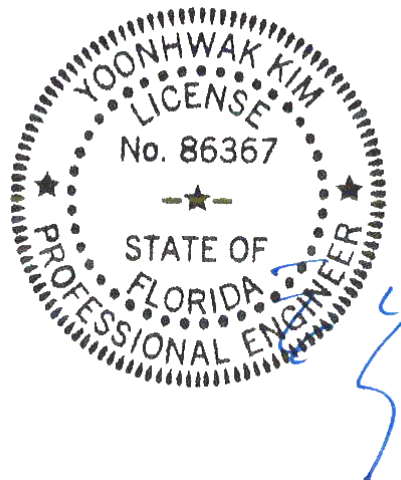
Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/03/2021

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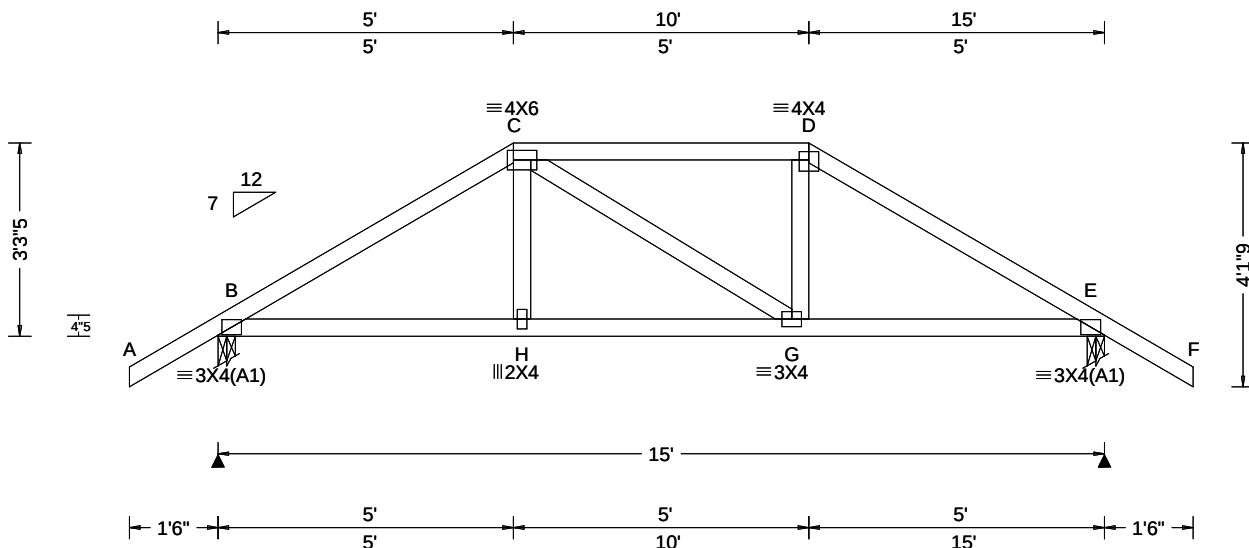
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ALPINE
AN ITW COMPANY
514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4105 FROM: SDY	HIPS Ply: 1 Qty: 1	Job Number: 20-4975 Jimenez Truss Label: D01	Cust: R 215 JRef: 1X2L2150004 T32 DrwNo: 034.21.0816.15690 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.031 H 999 240 VERT(CL): 0.059 H 999 180 HORZ(LL): 0.015 G - - HORZ(TL): 0.028 G - - Creep Factor: 2.0 Max TC CSI: 0.488 Max BC CSI: 0.406 Max Web CSI: 0.117 VIEW Ver: 20.01.01A.0724.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 970 /- /- /- /212 /- E 970 /- /- /- /212 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 E Brg Width = 3.5 Min Req = 1.5 Bearings B & E are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 276 -1371 D - E 277 -1366 C - D 210 -1154

Lumber

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

Loading

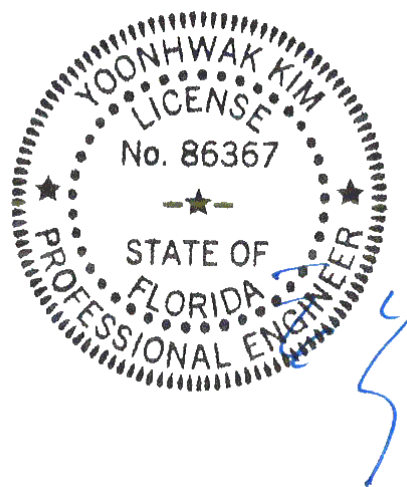
#1 hip supports 5-0-0 jacks with no webs.

Left side jacks have 5-0-0 setback with 0-0-0 cant and 1-6-0 overhang. End jacks have 5-0-0 setback with 0-0-0 cant and 1-6-0 overhang. Right side jacks have 5-0-0 setback with 0-0-0 cant and 1-6-0 overhang.

Wind

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.

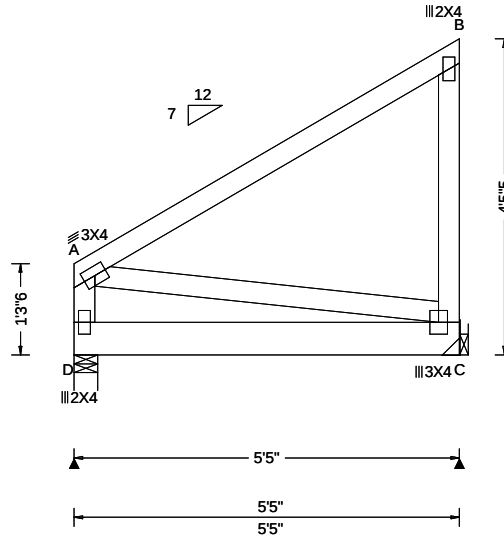


FL REG# 278, Yoonhwak Kim, FL PE #86367
02/03/2021

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ALPINE
AN ITW COMPANY
514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4123 FROM: SDY	MONO Ply: 1 Qty: 1	Job Number: 20-4975 Jimenez Truss Label: E01	Cust: R 215 JRef: 1X2L2150004 T57 DrwNo: 034.21.0816.19877 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 B 999 240 VERT(CL): 0.001 B 999 180 HORZ(LL): 0.001 B - - HORZ(TL): 0.002 B - - Creep Factor: 2.0 Max TC CSI: 0.535 Max BC CSI: 0.591 Max Web CSI: 0.138 VIEW Ver: 20.01.01A.0724.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D 891 /- /- /- /82 /- C 1105 /- /- /- /89 /- Wind reactions based on MWFRS D Brg Width = 4.0 Min Req = 1.5 C Brg Width = - Min Req = - Bearing D is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Special Loads

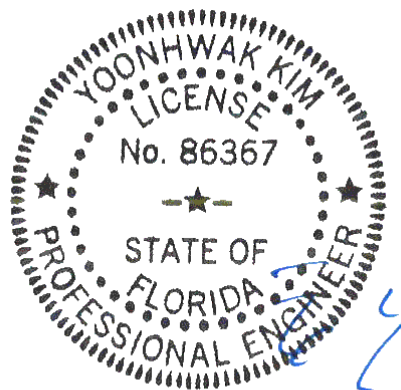
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 56 plf at 0.00 to 56 plf at 5.42
BC: From 10 plf at 0.00 to 10 plf at 5.42
BC: 546 lb Conc. Load at 1.06, 3.06, 5.06

Hangers / Ties

(J) Hanger Support Required, by others

Wind

Wind loads and reactions based on MWFRS.
End verticals not exposed to wind pressure.
Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/03/2021

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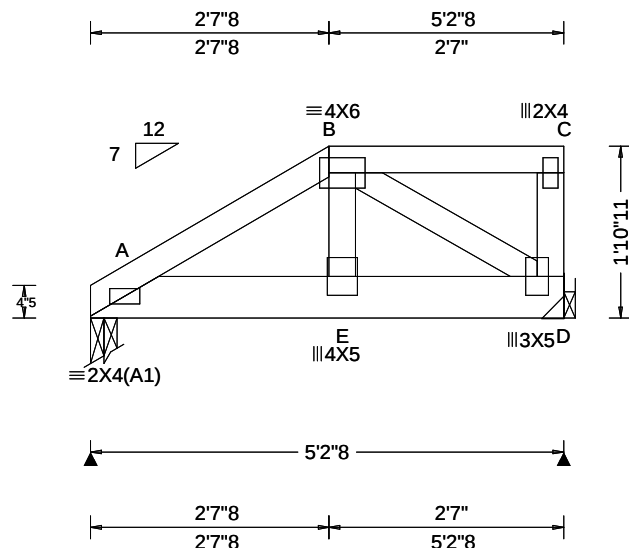
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ALPINE
AN ITW COMPANY
514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4130 FROM: SDY	HIPM Ply: 1 Qty: 1	Job Number: 20-4975 Jimenez Truss Label: E02	Cust: R 215 JRef: 1X2L2150004 T31 DrwNo: 034.21.0816.23227 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.009 E 999 240 VERT(CL): 0.016 E 999 180 HORZ(LL): 0.003 E - - HORZ(TL): 0.005 E - - Creep Factor: 2.0 Max TC CSI: 0.156 Max BC CSI: 0.224 Max Web CSI: 0.350 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A 987 /- /- /- /94 /- D 797 /- /- /- /90 /- Wind reactions based on MWFRS A Brg Width = 3.5 Min Req = 1.5 D Brg Width = - Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. A - B 110 - 1065

Lumber

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

Special Loads

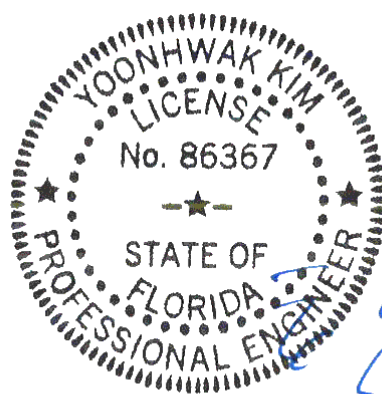
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 56 plf at 0.00 to 56 plf at 2.62
TC: From 28 plf at 2.62 to 28 plf at 5.21
BC: From 10 plf at 0.00 to 10 plf at 5.21
TC: 71 lb Conc. Load at 2.66
TC: 44 lb Conc. Load at 4.69
BC: 656 lb Conc. Load at 1.27
BC: 47 lb Conc. Load at 2.66
BC: 652 lb Conc. Load at 3.27
BC: 42 lb Conc. Load at 4.69

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

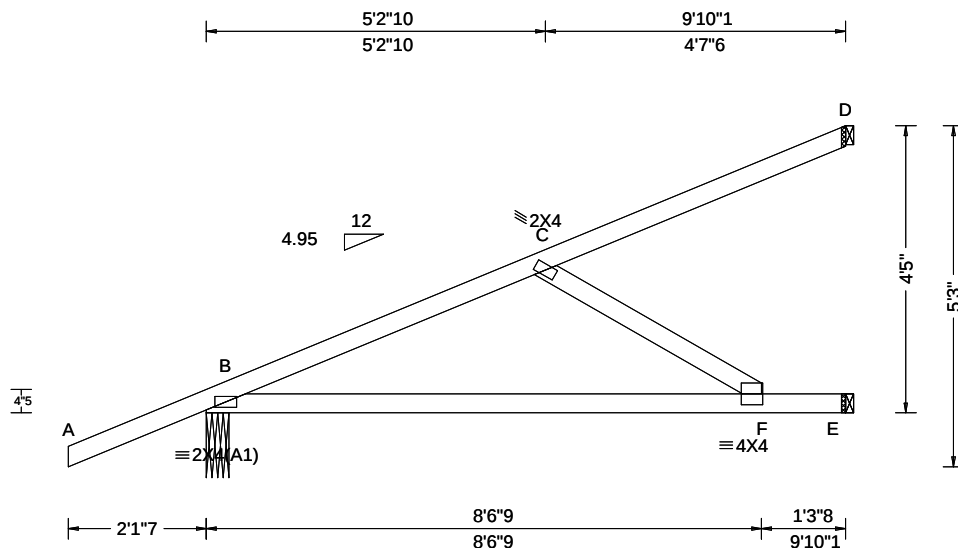


FL REG# 278, Yoonhwak Kim, FL PE #86367
02/03/2021

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ALPINE
AN ITW COMPANY
514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4108 FROM: SDY	HIP_	Ply: 1 Qty: 4	Job Number: 20-4975 Jimenez Truss Label: HJ7	Cust: R 215 JRef: 1X2L2150004 T24 DrwNo: 034.21.0816.26457 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.154 F 756 240 VERT(CL): 0.285 F 407 180 HORZ(LL): 0.040 C - - HORZ(TL): 0.075 C - - Creep Factor: 2.0 Max TC CSI: 0.618 Max BC CSI: 0.484 Max Web CSI: 0.155 VIEW Ver: 20.01.01A.0724.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 421 /- /- /- /104 /- E 331 /- /- /- /10 /- D 236 /- /- /- /104 /- Wind reactions based on MWFRS B Brg Width = 4.2 Min Req = 1.5 E Brg Width = 1.5 Min Req = - D Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 177 -405 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. C - F 182 -434

Lumber

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

Loading

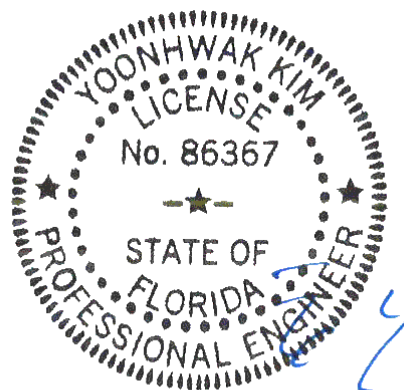
Hipjack supports 6-11-8 setback jacks with no webs.

Wind

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

Additional Notes

Provide (2) 16d common(0.162"x3.5") toe-nails at top chord.
Provide (3) 16d common(0.162"x3.5") toe-nails at bottom chord.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/03/2021

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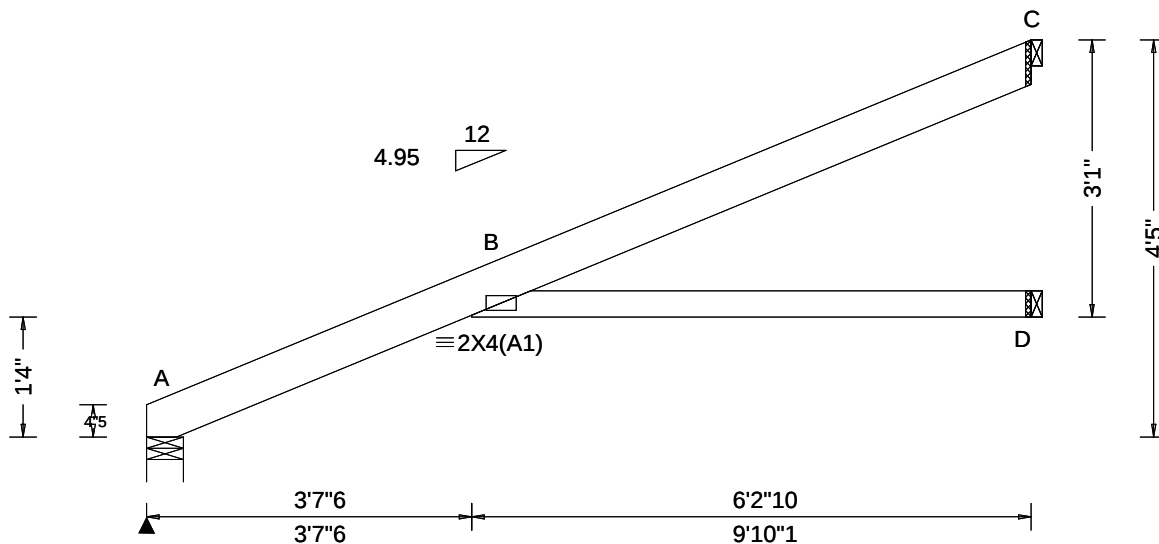
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ALPINE
AN ITW COMPANY
514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4252 FROM: SDY	HIP_	Ply: 1 Qty: 1	Job Number: 20-4975 Jimenez Truss Label: HJ7A	Cust: R 215 JRef: 1X2L2150004 T30 DrwNo: 034.21.0816.27710 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.200 D 571 240 VERT(CL): 0.381 D 299 180 HORZ(LL): 0.089 D - - HORZ(TL): 0.170 D - - Creep Factor: 2.0 Max TC CSI: 0.549 Max BC CSI: 0.419 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A 305 /- /- /- /63 /- D 113 /- /- /56 /- /- C 466 /- /- /- /175 /- Wind reactions based on MWFRS A Brg Width = 4.9 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Loading

Hipjack supports 6-11-8 setback jacks with no webs.

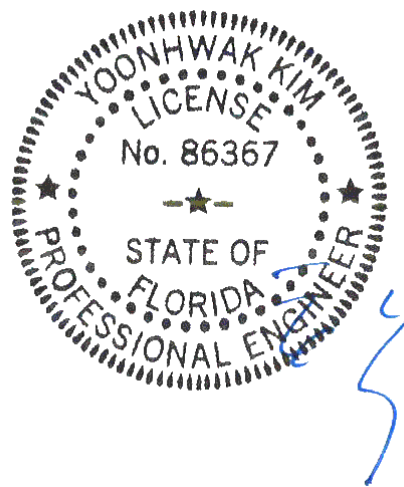
Wind

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

Additional Notes

Refer to General Notes for additional information

Provide (4) 16d common 0.162"x3.5", toe-nails at TC.
Provide (3) 16d common 0.162"x3.5", toe-nails at BC.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/03/2021

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

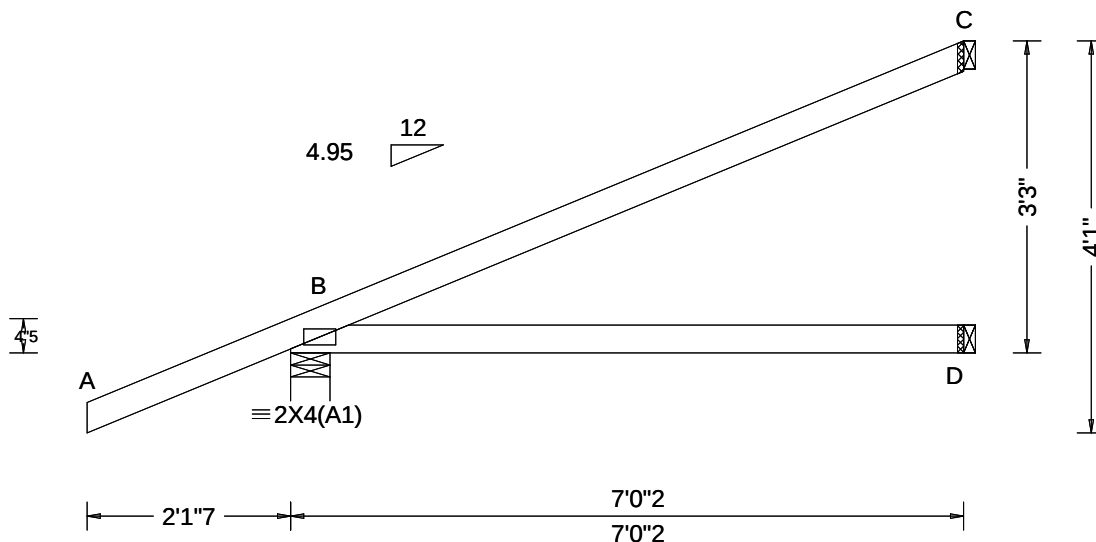
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ALPINE
AN ITW COMPANY
514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4090 FROM: SDY	HIP_	Ply: 1 Qty: 3	Job Number: 20-4975 Jimenez Truss Label: HJ5	Cust: R 215 JRef: 1X2L2150004 T15 DrwNo: 034.21.0817.11597 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.008 D - - HORZ(TL): 0.014 D - - Creep Factor: 2.0 Max TC CSI: 0.624 Max BC CSI: 0.304 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 279 /- /- /- /76 /- D 78 /- /- /30 /- /- C 188 /- /- /- /81 /- Wind reactions based on MWFRS B Brg Width = 4.9 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Loading

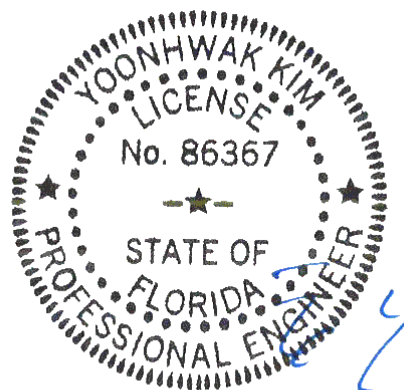
Hipjack supports 4-11-8 setback jacks with no webs.

Wind

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

Additional Notes

Provide (2) 16d common(0.162"x3.5") toe-nails at top chord.
Provide (2) 16d common(0.162"x3.5") toe-nails at bottom chord.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/03/2021

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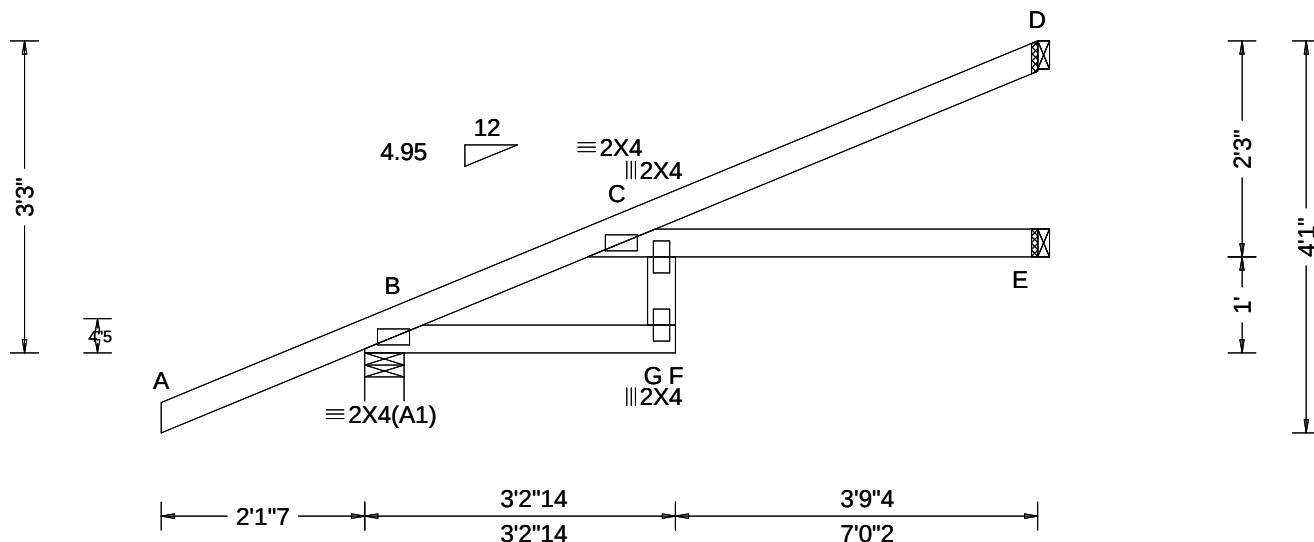
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ALPINE
AN ITW COMPANY
514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4093 FROM: SDY	HIP_	Ply: 1 Qty: 1	Job Number: 20-4975 Jimenez Truss Label: HJ5A	Cust: R 215 JRef: 1X2L2150004 T14 DrwNo: 034.21.0817.13473 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): -0.104 F 790 240 VERT(CL): 0.209 F 394 180 HORZ(LL): -0.047 G - - HORZ(TL): 0.084 G - - Creep Factor: 2.0 Max TC CSI: 0.565 Max BC CSI: 0.352 Max Web CSI: 0.199 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 246 /- /- /- /157 /- E 107 /- /- /- /10 /- D 75 /- /- /- /40 /- Wind reactions based on MWFRS B Brg Width = 4.9 Min Req = 1.5 E Brg Width = 1.5 Min Req = - D Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Special Loads

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

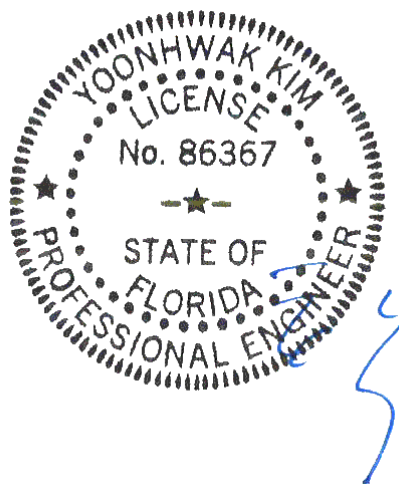
TC: From 0 plf at -2.12 to 55 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 7.01
BC: From 0 plf at -2.12 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 7.01
TC: -33 lb Conc. Load at 1.41
TC: 119 lb Conc. Load at 4.24
BC: 14 lb Conc. Load at 1.41
BC: 71 lb Conc. Load at 4.24

Wind

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

Additional Notes

Provide (2) 16d common(0.162"x3.5") toe-nails at top chord.
Provide (2) 16d common(0.162"x3.5") toe-nails at bottom chord.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/03/2021

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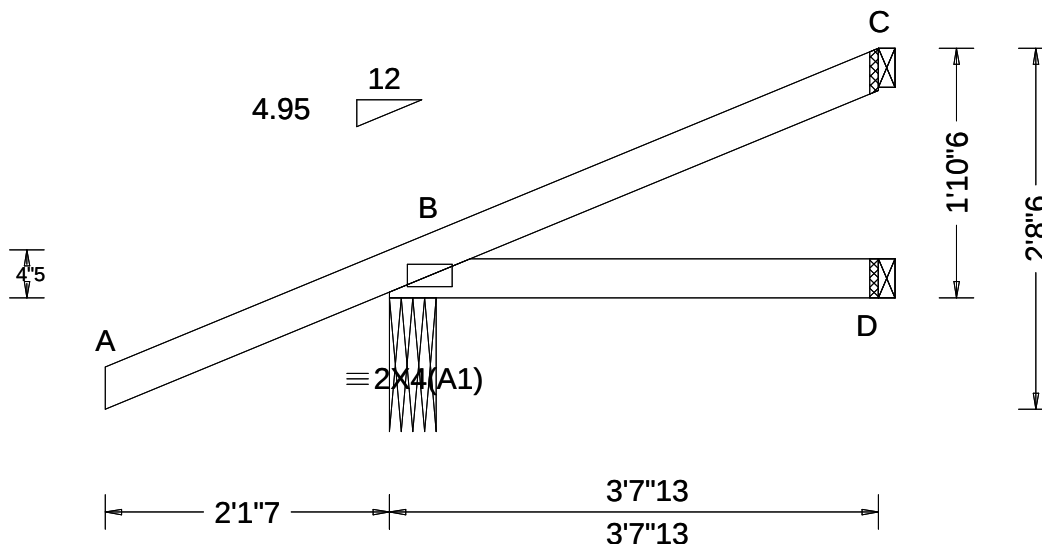
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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
514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4111 FROM: SDY	HIP_	Ply: 1 Qty: 1	Job Number: 20-4975 Jimenez Truss Label: HJ2	Cust: R 215 JRef: 1X2L2150004 T53 DrwNo: 034.21.0817.15400 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.002 D - - HORZ(TL): 0.003 D - - Creep Factor: 2.0 Max TC CSI: 0.362 Max BC CSI: 0.115 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 176 /- /- /- /56 /- D 4 /- /- /13 /- /- C 28 /- /- /- /14 /- Wind reactions based on MWFRS B Brg Width = 4.2 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Loading

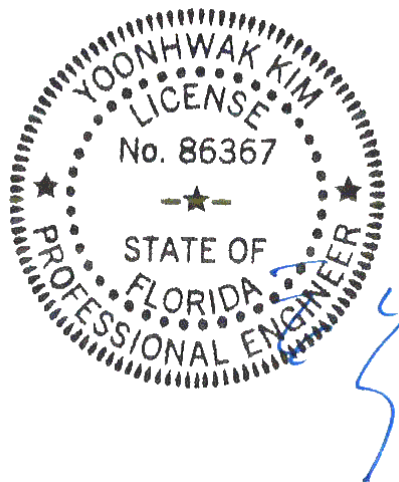
Hipjack supports 2-7-0 setback jacks with no webs.

Wind

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

Additional Notes

Provide (2) 16d common(0.162"x3.5") toe-nails at top chord.
Provide (2) 16d common(0.162"x3.5") toe-nails at bottom chord.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/03/2021

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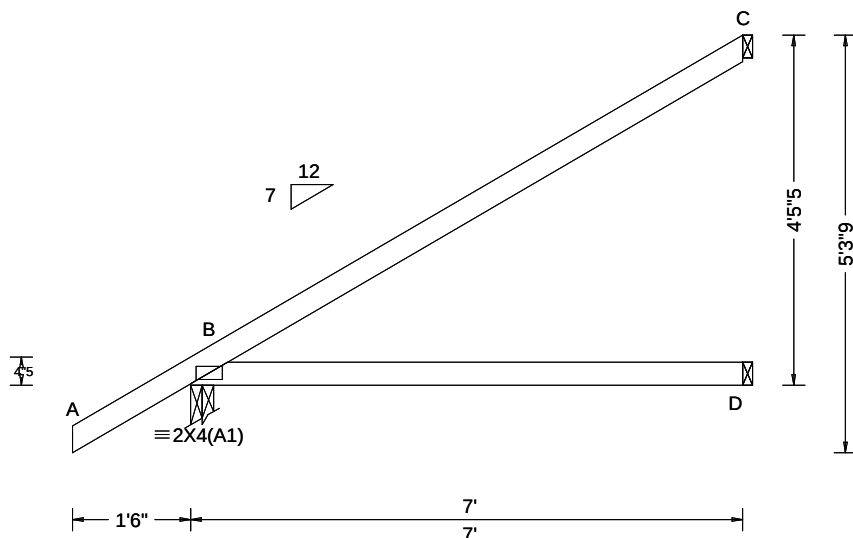
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514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4069 FROM: SDY	EJAC Ply: 1 Qty: 15	Job Number: 20-4975 Jimenez Truss Label: EJ7	Cust: R 215 JRef: 1X2L2150004 T23 DrwNo: 034.21.0817.16713 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.014 D - - HORZ(TL): 0.025 D - - Creep Factor: 2.0 Max TC CSI: 0.658 Max BC CSI: 0.502 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 376 /- /- /243 /43 /168 D 127 /- /- /71 /- /- C 170 /- /- /104 /108 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

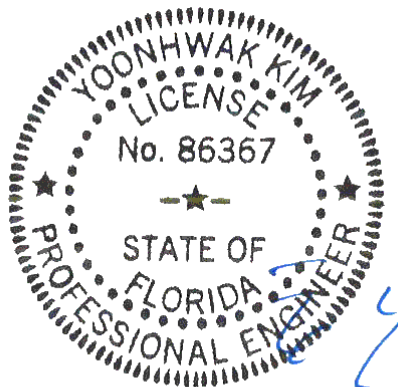
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

Provide (2) 16d common(0.162"x3.5") toe-nails at top chord.
Provide (2) 16d common(0.162"x3.5") toe-nails at bottom chord.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/03/2021

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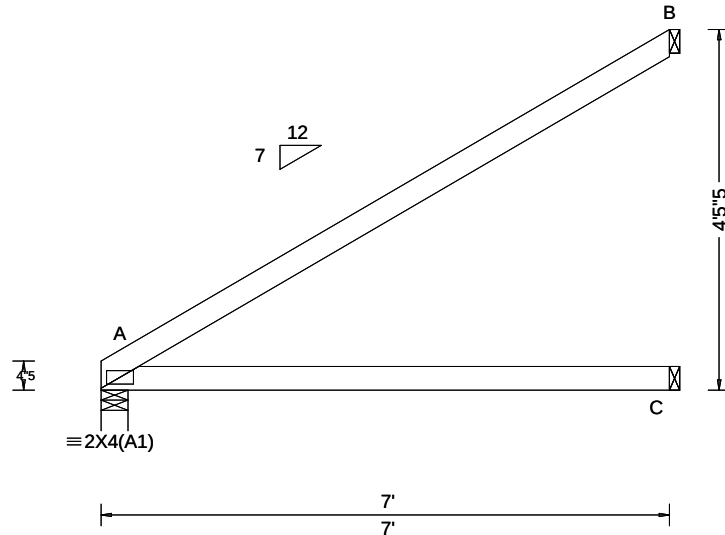
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ALPINE
AN ITW COMPANY
514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4176 FROM: SDY	EJAC Ply: 1 Qty: 1	Job Number: 20-4975 Jimenez Truss Label: EJ7A	Cust: R 215 JRef: 1X2L2150004 T25 DrwNo: 034.21.0817.18000 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.016 C - - HORZ(TL): 0.030 C - - Creep Factor: 2.0 Max TC CSI: 0.705 Max BC CSI: 0.517 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 272 /- /- /160 /- /104 C 129 /- /- /76 /- /- B 176 /- /- /110 /72 /- Wind reactions based on MWFRS A Brg Width = 4.0 Min Req = 1.5 C Brg Width = 1.5 Min Req = - B Brg Width = 1.5 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;

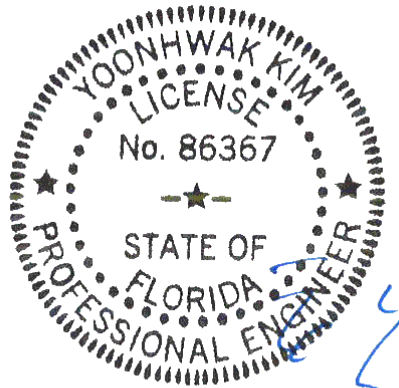
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

Provide (2) 16d common(0.162"x3.5") toe-nails at top chord.
Provide (2) 16d common(0.162"x3.5") toe-nails at bottom chord.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/03/2021

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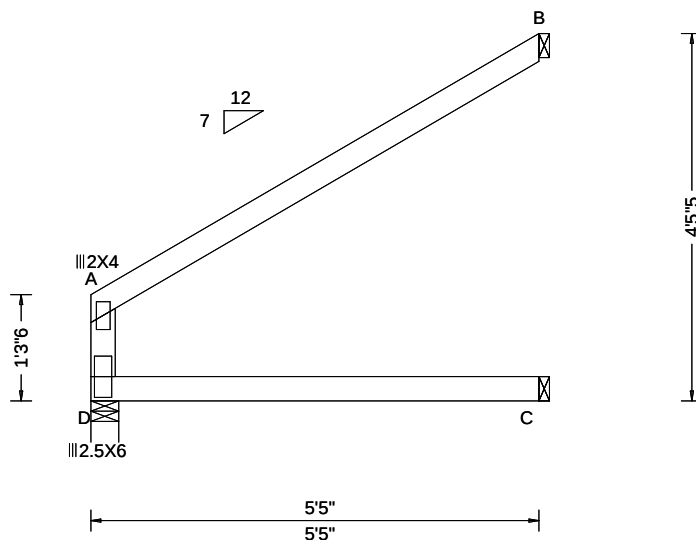
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ALPINE
AN ITW COMPANY
514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4114 FROM: SDY	EJAC Ply: 1 Qty: 1	Job Number: 20-4975 Jimenez Truss Label: EJ7B	Cust: R 215 JRef: 1X2L2150004 T1 DrwNo: 034.21.0817.19207 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 A 999 240 VERT(CL): 0.000 A 999 180 HORZ(LL): -0.000 A - - HORZ(TL): 0.000 A - - Creep Factor: 2.0 Max TC CSI: 0.624 Max BC CSI: 0.364 Max Web CSI: 0.069 VIEW Ver: 20.01.01A.0724.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D 206 /- /- /145 /38 /- C 108 /- /- /54 /- /- B 152 /- /- /68 /20 /81 Wind reactions based on MWFRS D Brg Width = 4.0 Min Req = 1.5 C Brg Width = 1.5 Min Req = - B Brg Width = 1.5 Min Req = - Bearing D is a rigid surface. Members not listed have forces less than 375#

Lumber

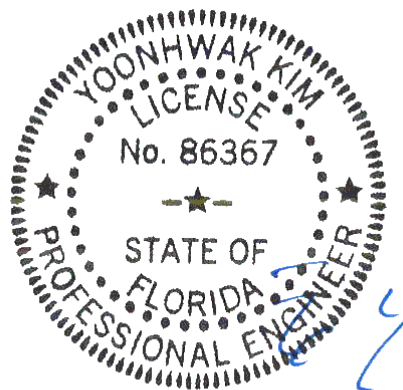
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

Provide (2) 16d common(0.162"x3.5") toe-nails at top chord.
Provide (2) 16d common(0.162"x3.5") toe-nails at bottom chord.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/03/2021

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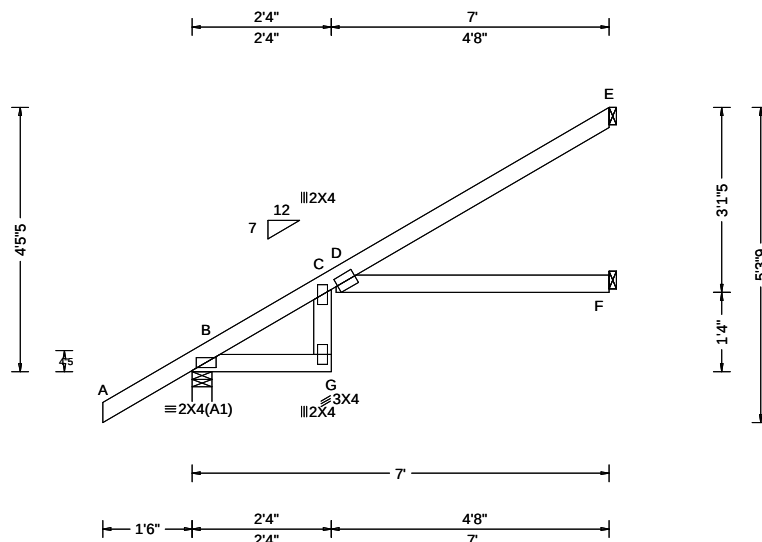
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ALPINE
AN ITW COMPANY
514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4275 FROM: SDY	EJAC Ply: 1 Qty: 4	Job Number: 20-4975 Jimenez Truss Label: EJ7C	Cust: R 215 JRef: 1X2L2150004 T27 DrwNo: 034.21.0817.20433 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.201 G 408 240 VERT(CL): 0.369 G 222 180 HORZ(LL): 0.130 F - - HORZ(TL): 0.239 F - - Creep Factor: 2.0 Max TC CSI: 0.873 Max BC CSI: 0.287 Max Web CSI: 0.110 VIEW Ver: 20.01.01A.0724.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 374 /- /- /241 /44 /168 F 99 /- /- /55 /- /- E 188 /- /- /120 /107 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 F Brg Width = 1.5 Min Req = - E Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

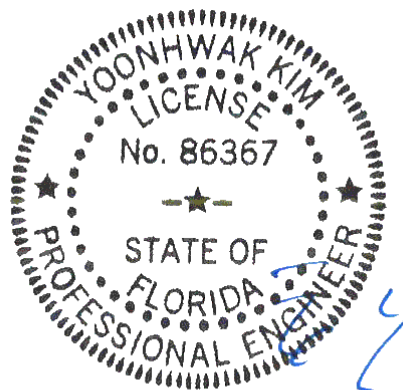
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

Provide (2) 16d common(0.162"x3.5") toe-nails at top chord.
Provide (2) 16d common(0.162"x3.5") toe-nails at bottom chord.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/03/2021

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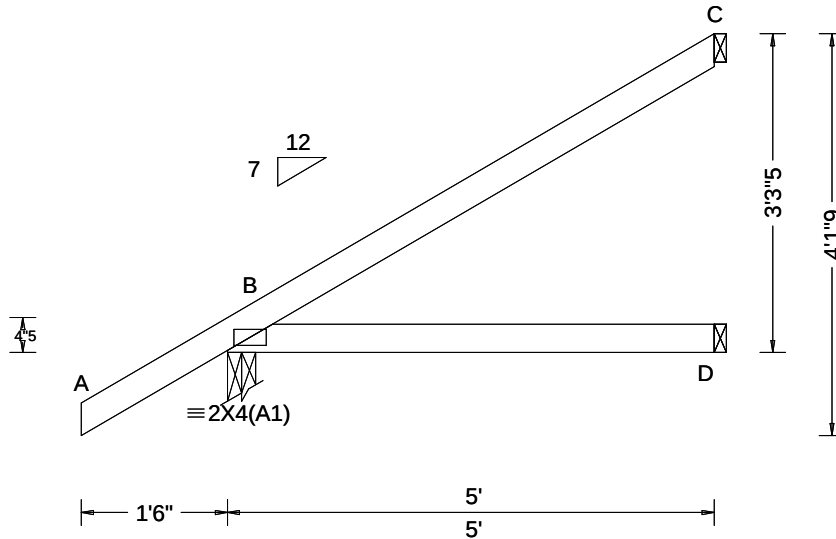
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ALPINE
AN ITW COMPANY
514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4075 FROM: SDY	EJAC Ply: 1 Qty: 7	Job Number: 20-4975 Jimenez Truss Label: EJ5	Cust: R 215 JRef: 1X2L2150004 T13 DrwNo: 034.21.0817.21667 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.004 D - - HORZ(TL): 0.007 D - - Creep Factor: 2.0 Max TC CSI: 0.334 Max BC CSI: 0.245 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 304 /- /- /202 /42 /127 D 89 /- /- /51 /- /- C 116 /- /- /70 /75 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

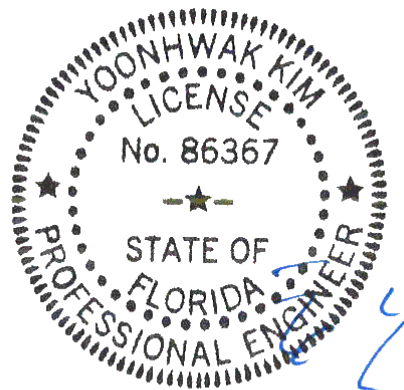
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

Provide (2) 16d common(0.162"x3.5") toe-nails at top chord.
Provide (2) 16d common(0.162"x3.5") toe-nails at bottom chord.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/03/2021

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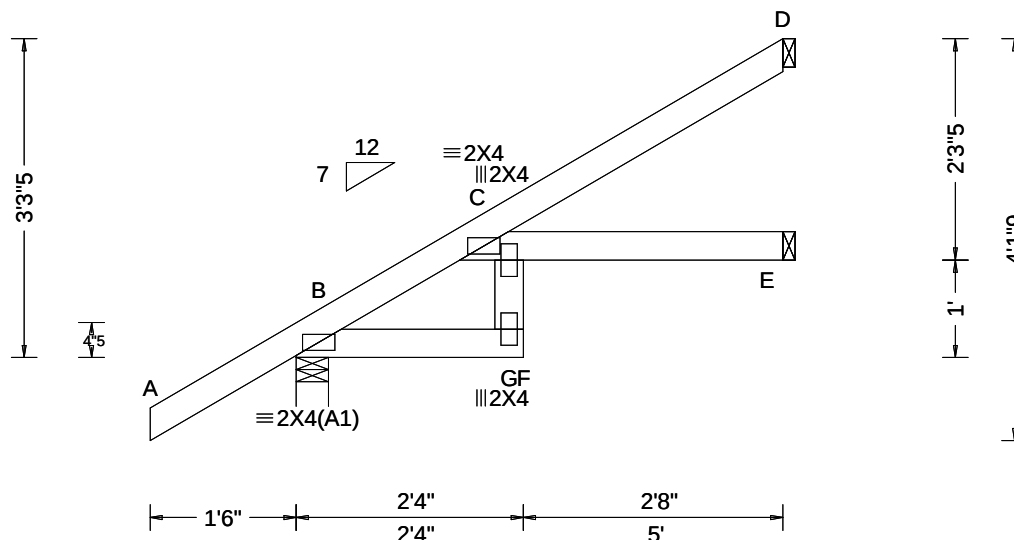
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ALPINE
AN ITW COMPANY
514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4078 FROM: SDY	EJAC Ply: 1 Qty: 6	Job Number: 20-4975 Jimenez Truss Label: EJ5A	Cust: R 215 JRef: 1X2L2150004 T3 DrwNo: 034.21.0817.23063 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.042 F 999 240 VERT(CL): 0.076 F 762 180 HORZ(LL): 0.025 G - - HORZ(TL): 0.045 G - - Creep Factor: 2.0 Max TC CSI: 0.329 Max BC CSI: 0.172 Max Web CSI: 0.130 VIEW Ver: 20.01.01A.0724.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 304 /- /- /202 /42 /127 E 75 /- /- /43 /- /- D 120 /- /- /75 /70 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 E Brg Width = 1.5 Min Req = - D Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

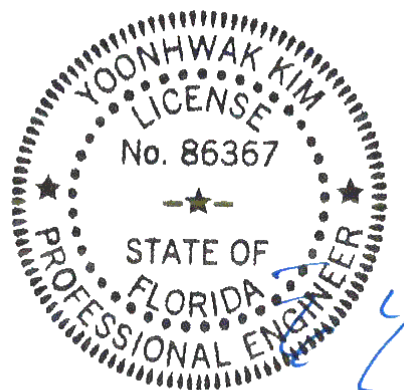
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

Provide (2) 16d common(0.162"x3.5") toe-nails at top chord.
Provide (2) 16d common(0.162"x3.5") toe-nails at bottom chord.



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02/03/2021

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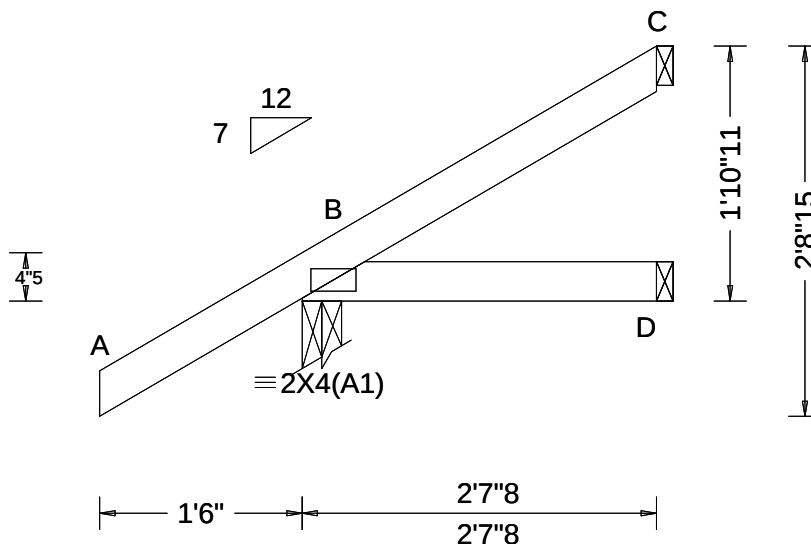
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ALPINE
AN ITW COMPANY
514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4072 FROM: SDY	EJAC Ply: 1 Qty: 2	Job Number: 20-4975 Jimenez Truss Label: EJ2	Cust: R 215 JRef: 1X2L2150004 T42 DrwNo: 034.21.0817.24127 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 D - - HORZ(TL): 0.001 D - - Creep Factor: 2.0 Max TC CSI: 0.236 Max BC CSI: 0.051 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 230 /- /- /163 /44 /78 D 42 /- /- /29 /- /- C 44 /- /- /27 /33 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

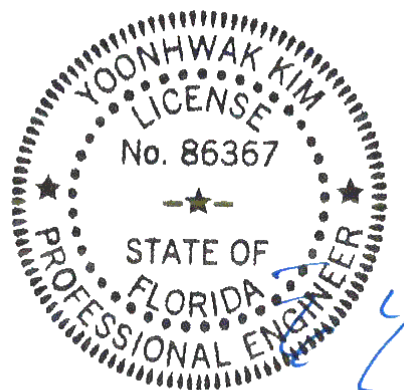
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

Provide (2) 16d common(0.162"x3.5") toe-nails at top chord.
Provide (2) 16d common(0.162"x3.5") toe-nails at bottom chord.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/03/2021

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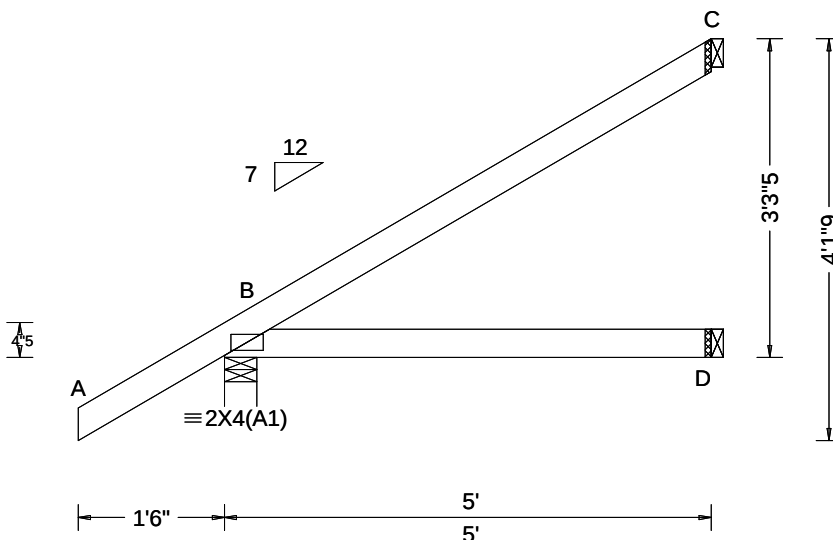
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ALPINE
AN ITW COMPANY
514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4066 FROM: SDY	JACK Ply: 1 Qty: 8	Job Number: 20-4975 Jimenez Truss Label: CJ5	Cust: R 215 JRef: 1X2L2150004 T22 DrwNo: 034.21.0817.25223 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.004 D - - HORZ(TL): 0.007 D - - Creep Factor: 2.0 Max TC CSI: 0.334 Max BC CSI: 0.245 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 304 /- /- /202 /42 /127 D 89 /- /- /51 /- /- C 116 /- /- /70 /75 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

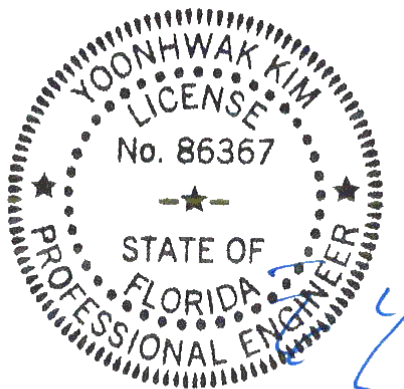
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

Provide (2) 16d common(0.162"x3.5") toe-nails at top chord.
Provide (2) 16d common(0.162"x3.5") toe-nails at bottom chord.



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02/03/2021

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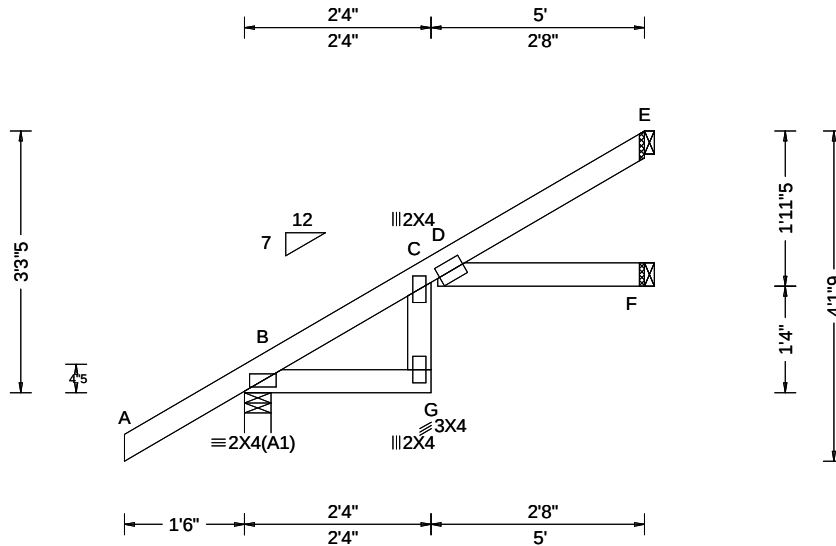
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ALPINE
AN ITW COMPANY
514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4260 FROM: SDY	JACK Ply: 1 Qty: 2	Job Number: 20-4975 Jimenez Truss Label: CJ5A	Cust: R 215 JRef: 1X2L2150004 T60 DrwNo: 034.21.0817.26360 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.060 G 970 240 VERT(CL): 0.109 G 536 180 HORZ(LL): 0.038 F - - HORZ(TL): 0.069 F - - Creep Factor: 2.0 Max TC CSI: 0.403 Max BC CSI: 0.086 Max Web CSI: 0.070 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 303 /- /- /201 /42 /127 E 133 /- /- /85 /72 /- F 57 /- /- /31 /- /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 E Brg Width = 1.5 Min Req = - F Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

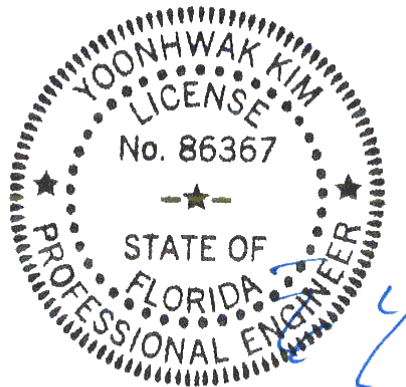
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

Provide (2) 16d common(0.162"x3.5") toe-nails at top chord.
Provide (2) 16d common(0.162"x3.5") toe-nails at bottom chord.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/03/2021

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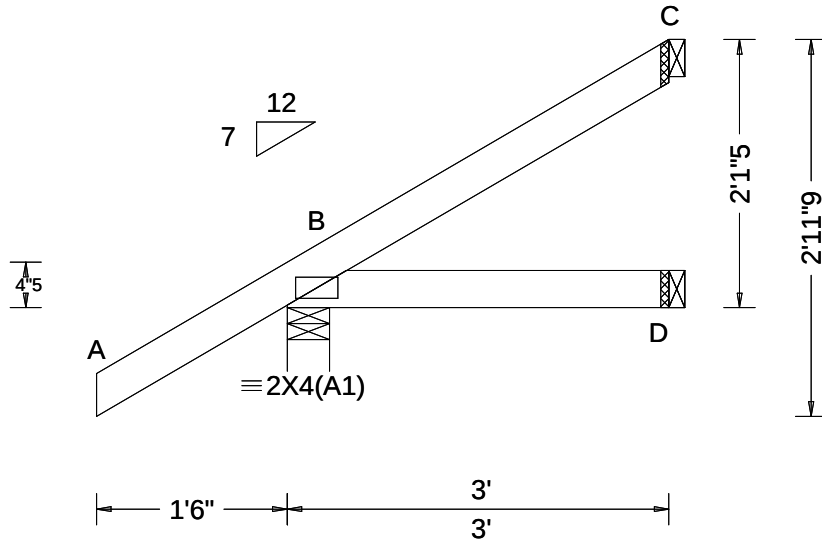
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ALPINE
AN ITW COMPANY
514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4063 FROM: SDY	JACK Ply: 1 Qty: 13	Job Number: 20-4975 Jimenez Truss Label: CJ3	Cust: R 215 JRef: 1X2L2150004 T9 DrwNo: 034.21.0817.27477 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 D - - HORZ(TL): 0.001 D - - Creep Factor: 2.0 Max TC CSI: 0.236 Max BC CSI: 0.074 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 240 /- /- /167 /43 /86 D 50 /- /- /32 /- /- C 56 /- /- /31 /40 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

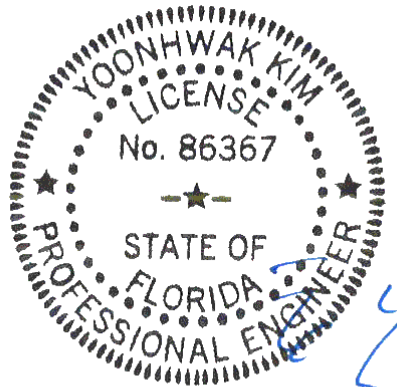
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

Provide (2) 16d common(0.162"x3.5") toe-nails at top chord.
Provide (2) 16d common(0.162"x3.5") toe-nails at bottom chord.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/03/2021

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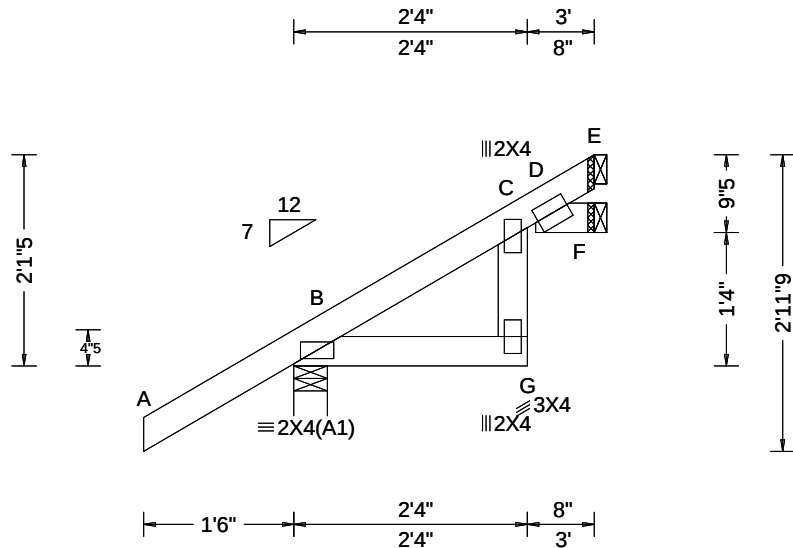
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ALPINE
AN ITW COMPANY
514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4257 FROM: SDY	JACK Ply: 1 Qty: 2	Job Number: 20-4975 Jimenez Truss Label: CJ3A	Cust: R 215 JRef: 1X2L2150004 T58 DrwNo: 034.21.0817.28780 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.005 G 999 240 VERT(CL): 0.008 G 999 180 HORZ(LL): 0.002 F - - HORZ(TL): 0.005 F - - Creep Factor: 2.0 Max TC CSI: 0.214 Max BC CSI: 0.037 Max Web CSI: 0.027 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 240 /- /- /167 /43 /86 F 14 /- /- /8 /- /- E 70 /- /- /52 /33 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 F Brg Width = 1.5 Min Req = - E Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

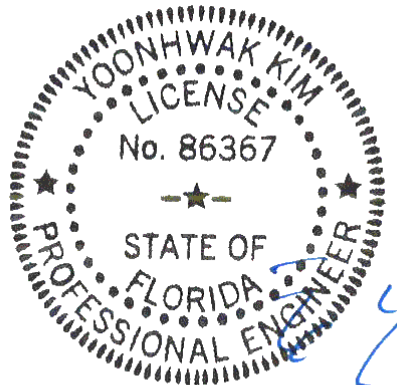
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

Provide (2) 16d common(0.162"x3.5") toe-nails at top chord.
Provide (2) 16d common(0.162"x3.5") toe-nails at bottom chord.

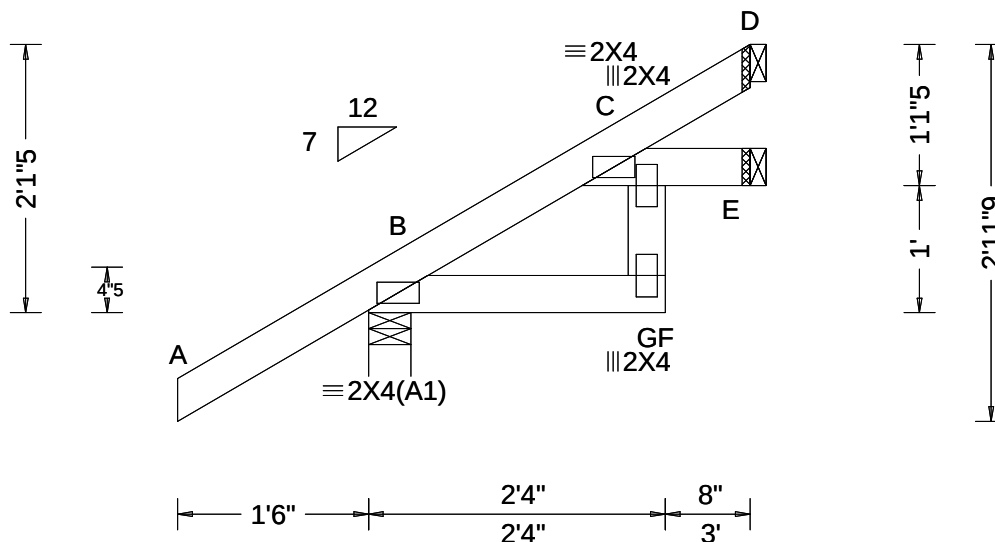


FL REG# 278, Yoonhwak Kim, FL PE #86367
02/03/2021

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ALPINE
AN ITW COMPANY
514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4081 FROM: SDY	JACK Ply: 1 Qty: 2	Job Number: 20-4975 Jimenez Truss Label: CJ3B	Cust: R 215 JRef: 1X2L2150004 T17 DrwNo: 034.21.0817.29847 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.004 G 999 240 VERT(CL): 0.006 G 999 180 HORZ(LL): 0.002 G - - HORZ(TL): 0.004 G - - Creep Factor: 2.0 Max TC CSI: 0.276 Max BC CSI: 0.047 Max Web CSI: 0.030 VIEW Ver: 20.01.01A.0724.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 240 /- /- /167 /43 /86 E 35 /- /- /25 /- /- D 60 /- /- /37 /34 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 E Brg Width = 1.5 Min Req = - D Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

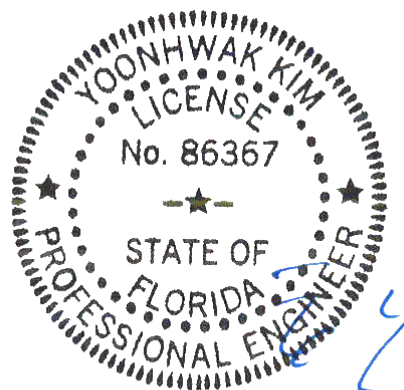
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

Provide (2) 16d common(0.162"x3.5") toe-nails at top chord.
Provide (2) 16d common(0.162"x3.5") toe-nails at bottom chord.



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02/03/2021

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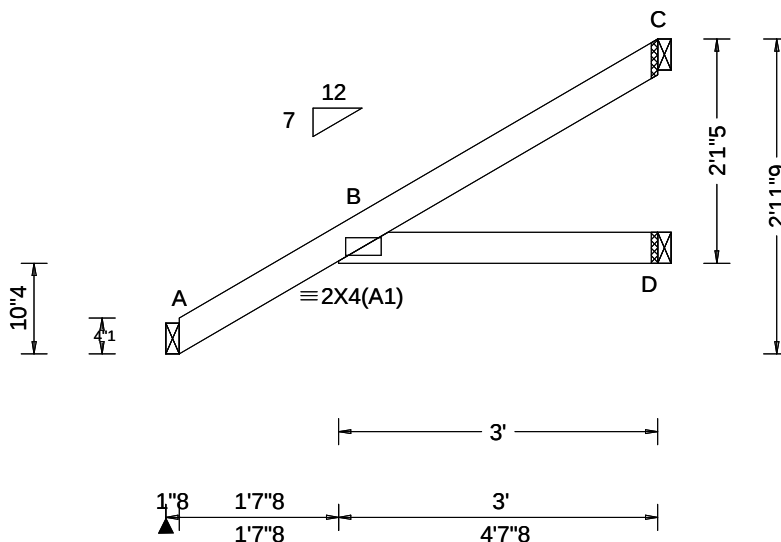
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514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4087 FROM: SDY	JACK Ply: 1 Qty: 1	Job Number: 20-4975 Jimenez Truss Label: CJ3C	Cust: R 215 JRef: 1X2L2150004 T11 DrwNo: 034.21.0817.31030 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.052 D 999 240 VERT(CL): 0.091 D 608 180 HORZ(LL): 0.033 D - - HORZ(TL): 0.057 D - - Creep Factor: 2.0 Max TC CSI: 0.482 Max BC CSI: 0.089 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 146 /- /- /75 /18 /91 D 57 /- /- /29 /- /- C 138 /- /- /88 /79 /- Wind reactions based on MWFRS A Brg Width = 1.5 D Brg Width = 1.5 C Brg Width = 1.5 Members not listed have forces less than 375#

Lumber

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

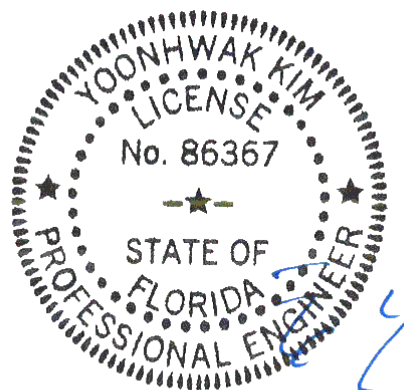
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

Provide (2) 16d common(0.162"x3.5") toe-nails at top chord.
Provide (2) 16d common(0.162"x3.5") toe-nails at bottom chord.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/03/2021

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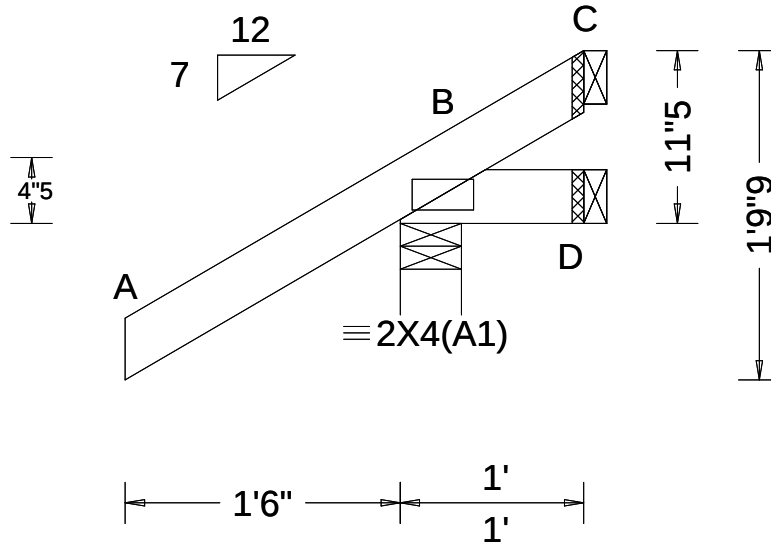
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ALPINE
AN ITW COMPANY
514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4060 FROM: SDY	JACK Ply: 1 Qty: 19	Job Number: 20-4975 Jimenez Truss Label: CJ1	Cust: R 215 JRef: 1X2L2150004 T10 DrwNo: 034.21.0817.32353 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 D - - HORZ(TL): 0.001 D - - Creep Factor: 2.0 Max TC CSI: 0.276 Max BC CSI: 0.039 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 232 /- /- /182 /69 /44 D 7 /-14 /- /17 /15 /- C - /-50 /- /36 /51 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

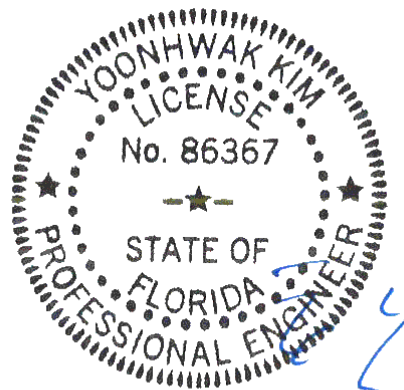
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

Provide (2) 16d common(0.162"x3.5") toe-nails at top chord.
Provide (2) 16d common(0.162"x3.5") toe-nails at bottom chord.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/03/2021

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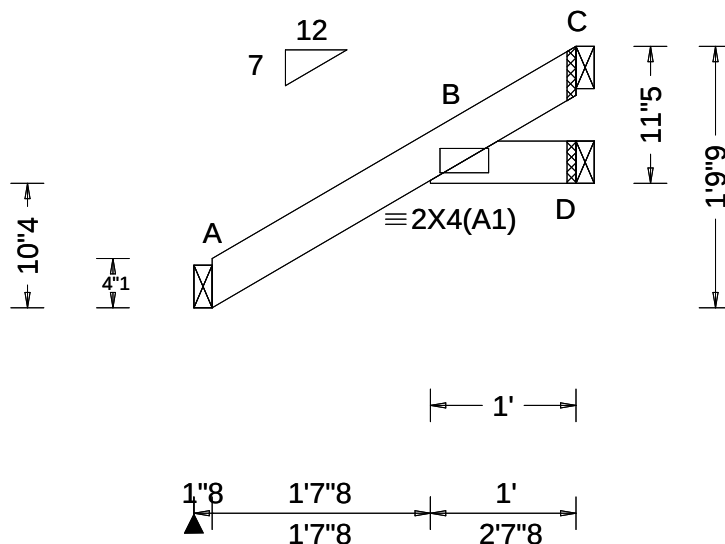
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ALPINE
AN ITW COMPANY
514 Earth City Expressway
Suite 242
Earth City, Missouri 63045

SEQN: 4084 FROM: SDY	JACK Ply: 1 Qty: 1	Job Number: 20-4975 Jimenez Truss Label: CJ1A	Cust: R 215 JRef: 1X2L2150004 T12 DrwNo: 034.21.0817.36990 / YK 02/03/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.005 D 999 240 VERT(CL): 0.009 D 999 180 HORZ(LL): 0.004 D - - HORZ(TL): 0.006 D - - Creep Factor: 2.0 Max TC CSI: 0.173 Max BC CSI: 0.007 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A 74 /- /- /34 /12 /50 D 17 /- /- /9 /- /- C 78 /- /- /50 /43 /- Wind reactions based on MWFRS A Brg Width = 1.5 D Brg Width = 1.5 C Brg Width = 1.5 Members not listed have forces less than 375#

Lumber

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

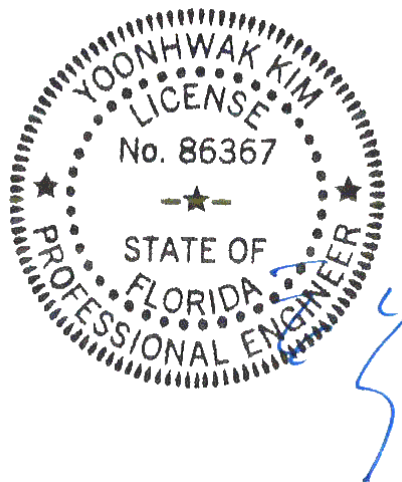
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

Provide (2) 16d common(0.162"x3.5") toe-nails at top chord.
Provide (2) 16d common(0.162"x3.5") toe-nails at bottom chord.



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02/03/2021

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

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

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CLR Reinforcing Member Substitution

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

Notes:

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

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

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

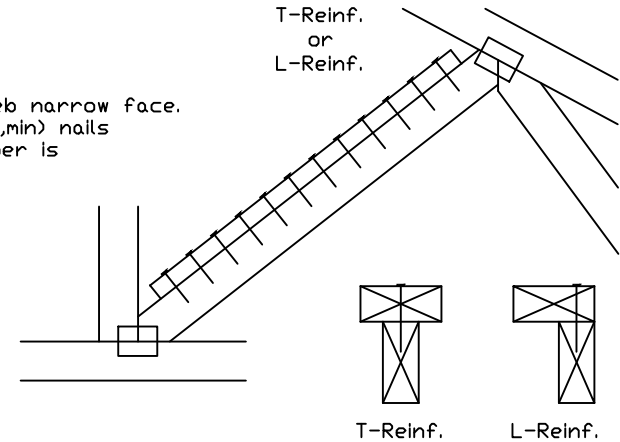
Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf.	Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(X)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(X)

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

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

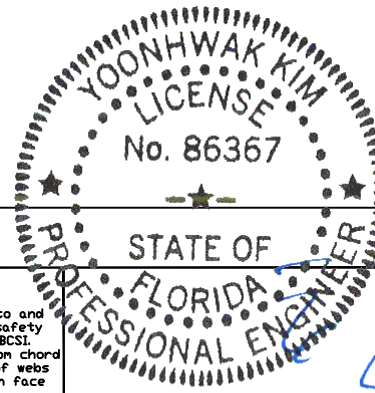
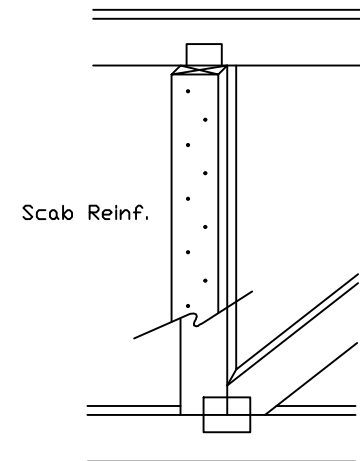
T-Reinforcement or L-Reinforcement:

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



Scab Reinforcement:

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



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

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For more information see this job's general notes page and these web sites: 02/03/2021
ALPINE: www.alpineitw.com TPI: www.tpinet.org SBCA: www.sbcindustry.org ICC: www.iccsafe.org



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

Yoonhwak Kim, FL PE #86367