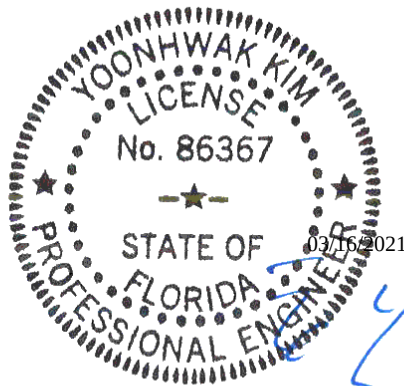




FL REG# 278, Yoonhwak Kim, FL PE #86367

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

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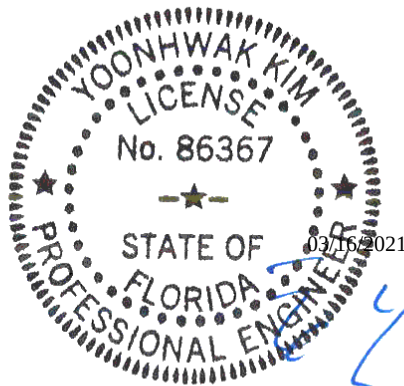
Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 20-4810B
Job Description: Menendez Res	
Address: FL	

Job Engineering Criteria:
Design Code: FBC 7th Ed. 2020 Res
IntelliVIEW Version: 20.01.01A
JRef #: 1X3Q2150011
Wind Standard: ASCE 7-16 Wind Speed (mph): 130
Design Loading (psf): 40.00
Building Type: Closed

This package contains general notes pages, 63 truss drawing(s) and 1 detail(s).

Item	Drawing Number	Truss
1	075.21.0939.16387	A01
3	075.21.0938.42067	B01
5	075.21.0938.22060	B03
7	075.21.0938.17160	B05
9	075.21.0937.57100	C01
11	075.21.0937.31667	C03
13	075.21.0937.25113	C05
15	075.21.0937.19973	C07
17	075.21.0937.14977	C09
19	075.21.0937.10490	C11
21	075.21.0936.58857	C13
23	075.21.0936.54207	C15
25	075.21.0936.49163	C17
27	075.21.0936.43660	C19
29	075.21.0936.38193	C21
31	075.21.0936.19037	C23
33	075.21.0936.13920	D02
35	075.21.0936.07977	D04
37	075.21.0935.58383	D06
39	075.21.0935.41813	D09
41	075.21.0935.34650	D11
43	075.21.0935.15330	G01
45	075.21.0926.18703	HJ01
47	075.21.0926.04343	HJ03
49	075.21.0911.35710	HJ05
51	075.21.0911.23847	J01

Item	Drawing Number	Truss
2	075.21.0939.11267	A02
4	075.21.0938.24700	B02
6	075.21.0938.19727	B04
8	075.21.0938.13647	B06
10	075.21.0937.34030	C02
12	075.21.0937.28720	C04
14	075.21.0937.22473	C06
16	075.21.0937.16890	C08
18	075.21.0937.13047	C10
20	075.21.0937.07997	C12
22	075.21.0936.55963	C14
24	075.21.0936.51797	C16
26	075.21.0936.46903	C18
28	075.21.0936.41300	C20
30	075.21.0936.35580	C22
32	075.21.0936.17230	D01
34	075.21.0936.11420	D03
36	075.21.0936.03480	D05
38	075.21.0935.49283	D07
40	075.21.0935.38607	D10
42	075.21.0935.30267	D12
44	075.21.0926.35380	G02
46	075.21.0926.11793	HJ02
48	075.21.0911.44597	HJ04
50	075.21.0911.25710	HJ06
52	075.21.0911.22073	J02



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Site Information:	Page 2:
Customer: W. B. Howland Company, Inc.	Job Number: 20-4810B
Job Description: Menendez Res	
Address: FL	

Item	Drawing Number	Truss
53	075.21.0911.20217	J03
55	075.21.0911.16427	J04A
57	075.21.0911.11910	J06
59	075.21.0911.07227	J08
61	075.21.0911.00820	J10
63	075.21.0910.44860	M01

Item	Drawing Number	Truss
54	075.21.0911.18230	J04
56	075.21.0911.13887	J05
58	075.21.0911.10313	J07
60	075.21.0911.02630	J09
62	075.21.0910.46693	J11
64	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.

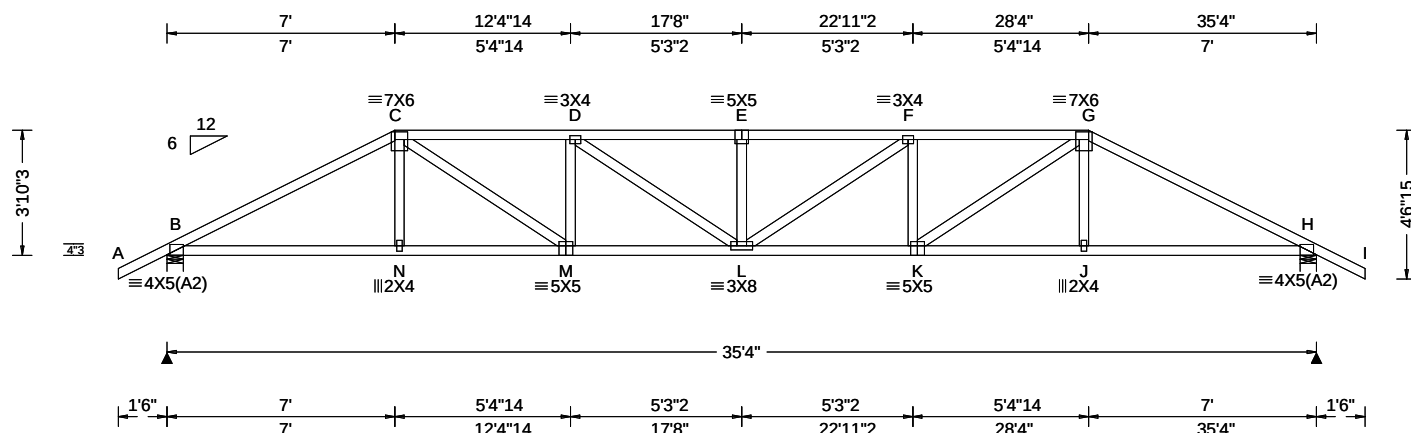
Refer to ASCE-7 for Wind and Seismic abbreviations.

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: 363231 FROM: CDM	HIPS Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: A01	Cust: R 215 JRef: 1X3Q2150011 T18 DrwNo: 075.21.0939.16387 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.53 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): 0.266 E 999 240 VERT(CL): 0.539 E 780 180 HORZ(LL): 0.071 J - - HORZ(TL): 0.145 J - - Creep Factor: 2.0 Max TC CSI: 0.567 Max BC CSI: 0.783 Max Web CSI: 0.461 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL B 1555 - / - / - /894 /288 /131 H 1555 - / - / - /894 /288 - / - Wind reactions based on MWFRS B Brg Width = 6.0 Min Req = 1.8 H Brg Width = 6.0 Min Req = 1.8 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 1167 -2640 E - F 1726 -3570 C - D 1568 -3223 F - G 1568 -3223 D - E 1726 -3570 G - H 1167 -2640

Lumber

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

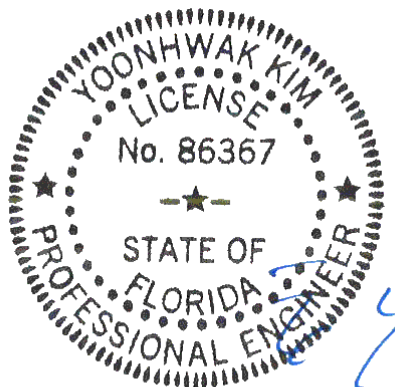
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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



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Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - N	2276 -929	L - K	3267 -1416
N - M	2281 -927	K - J	2281 -924
M - L	3267 -1419	J - H	2276 -926

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - M	1135 -617	F - K	391 -538
M - D	391 -538	K - G	1135 -617

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.
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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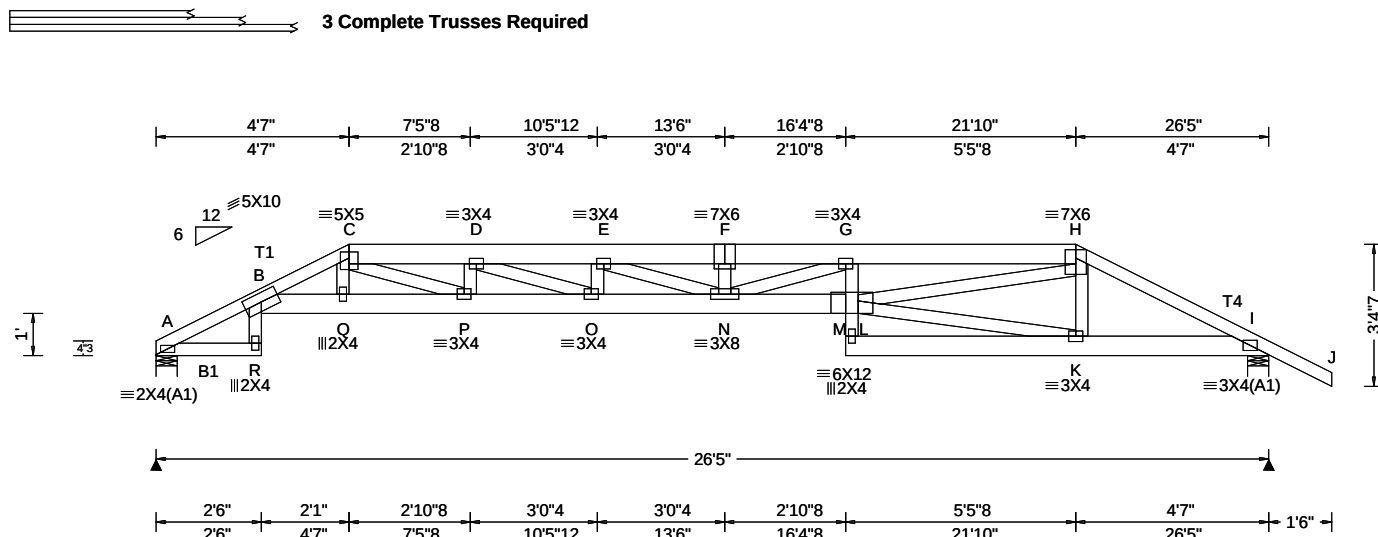
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SEQN: 363268 FROM: CDM	HIPS Ply: 3 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: B01	Cust: R 215 JRef: 1X3Q2150011 T14 DrwNo: 075.21.0938.42067 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 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: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.403 D 778 240 VERT(CL): 0.806 D 388 180 HORZ(LL): 0.255 K - - HORZ(TL): 0.511 K - - Creep Factor: 2.0 Max TC CSI: 0.956 Max BC CSI: 0.573 Max Web CSI: 0.894 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A 1810 -/- /- /- /414 -/ I 1961 -/- /- /- /452 -/ Wind reactions based on MWFRS A Brg Width = 6.0 Min Req = 1.5 I Brg Width = 6.0 Min Req = 1.5 Bearings A & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 487 -2086 F - G 775 -3376 C - D 613 -2654 G - H 730 -3146 D - E 730 -3175 H - I 286 -1270 E - F 775 -3376

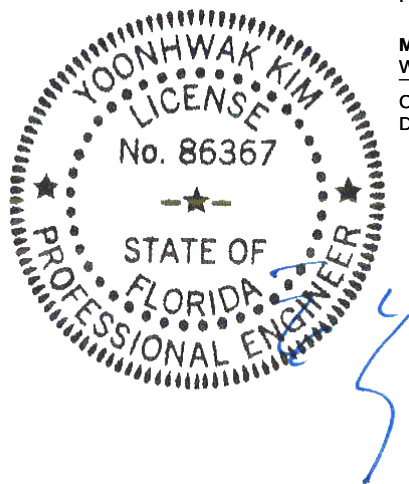
Lumber
Top chord: 2x6 SP 2400f-2.0E; T1 2x4 SP M-31;
T4 2x4 SP #2;
Bot chord: 2x6 SP 2400f-2.0E; B1 2x4 SP #2;
Webs: 2x4 SP #3;

Nailnote
Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 12.00" o.c.
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. 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 62 plf at 0.00 to 62 plf at 4.58
TC: From 31 plf at 4.58 to 31 plf at 21.83
TC: From 62 plf at 21.83 to 62 plf at 27.92
BC: From 20 plf at 0.00 to 20 plf at 2.50
BC: From 10 plf at 2.50 to 10 plf at 21.82
BC: From 20 plf at 21.82 to 20 plf at 26.42
BC: From 4 plf at 26.42 to 4 plf at 27.92
TC: 255 lb Conc. Load at 4.59
TC: 134 lb Conc. Load at 6.65, 8.65, 10.65, 12.65
13.77, 15.77
TC: 114 lb Conc. Load at 17.77, 19.77
TC: 191 lb Conc. Load at 21.82
BC: 105 lb Conc. Load at 4.59
BC: 48 lb Conc. Load at 6.65, 8.65, 10.65, 12.65
13.77, 15.77
BC: 81 lb Conc. Load at 17.77, 19.77
BC: 194 lb Conc. Load at 21.82

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

Additional Notes
The overall height of this truss excluding overhang is 2-7-11.

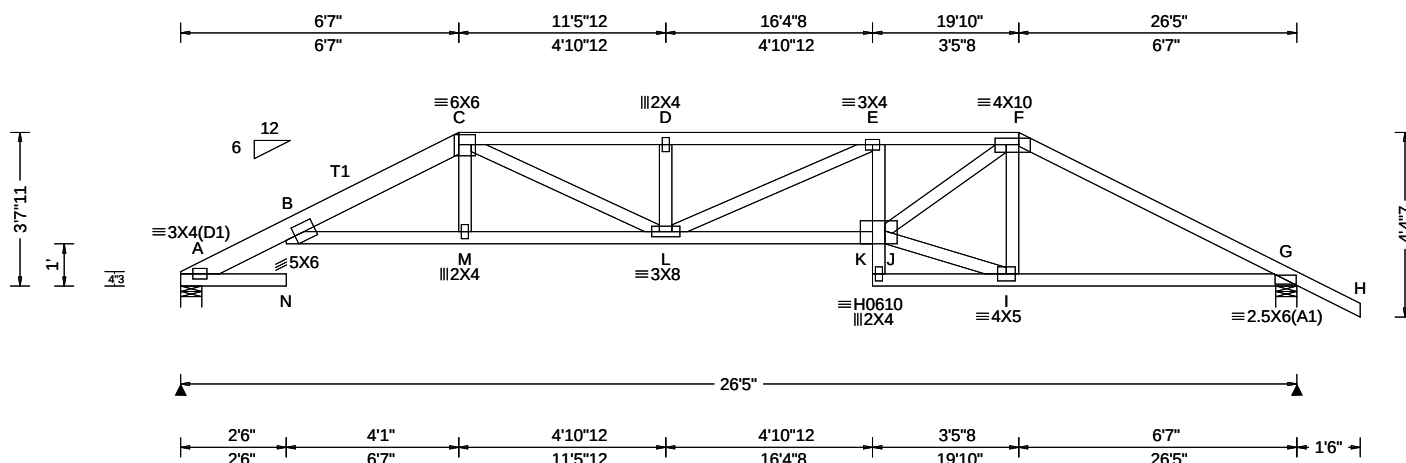


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03/16/2021

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SEQN: 363212 FROM: CDM	HIPS Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: B02	Cust: R 215 JRef: 1X3Q2150011 T30 DrwNo: 075.21.0938.24700 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft 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, HS	PP Deflection in loc L/def L/# VERT(LL): 0.361 N 867 240 VERT(CL): 0.737 N 425 180 HORZ(LL): 0.227 I - - HORZ(TL): 0.462 I - - Creep Factor: 2.0 Max TC CSI: 0.819 Max BC CSI: 0.758 Max Web CSI: 0.645 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL A 1084 /- /- /610 /190 /107 G 1192 /- /- /695 /220 /- Non-Gravity Wind reactions based on MWFRS A Brg Width = 6.0 Min Req = 1.5 G Brg Width = 6.0 Min Req = 1.5 Bearings A & 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. A - B 273 -440 D - E 1606 -2972 B - C 1200 -2452 E - F 1591 -2974 C - D 1608 -2974 F - G 912 -1869

Lumber

Top chord: 2x4 SP #2; T1 2x6 SP 2400f-2.0E;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

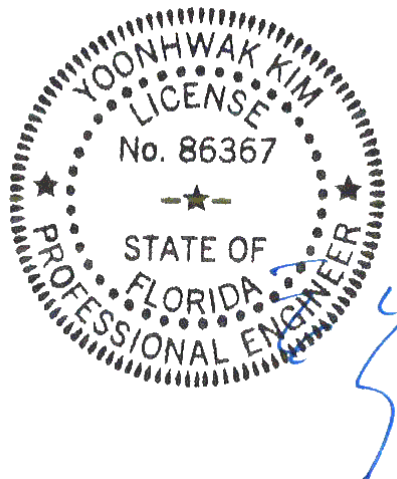
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 3-7-11.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - M	2379 -1043	L - J	3018 -1442
M - L	2376 -1036	I - G	1592 -698

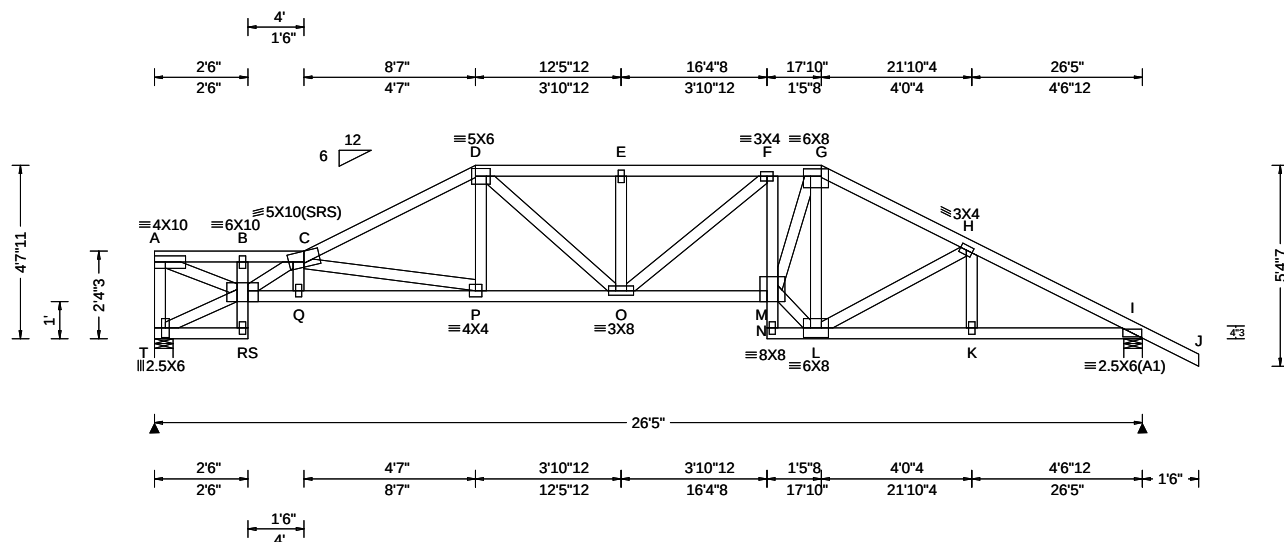
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - L	658 -449	J - F	1692 -917
J - I	1588 -679	I - F	297 -444

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

SEQN: 363213 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: B03	Cust: R 215 JRef: 1X3Q2150011 T32 DrwNo: 075.21.0938.22060 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft 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): 0.165 E 999 240 VERT(CL): 0.336 E 938 180 HORZ(LL): 0.107 K - - HORZ(TL): 0.218 K - - Creep Factor: 2.0 Max TC CSI: 0.379 Max BC CSI: 0.915 Max Web CSI: 0.977 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL T 1078 - / - / /565 /197 /124 I 1198 - / - / /713 /217 - / - Wind reactions based on MWFRS T Brg Width = 6.0 Min Req = 1.5 I Brg Width = 6.0 Min Req = 1.5 Bearings T & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 1061 -2404 E - F 1103 -2130 B - C 1109 -2517 F - G 1083 -2133 C - D 1031 -2189 G - H 819 -1658 D - E 1103 -2130 H - I 828 -1958

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Wind

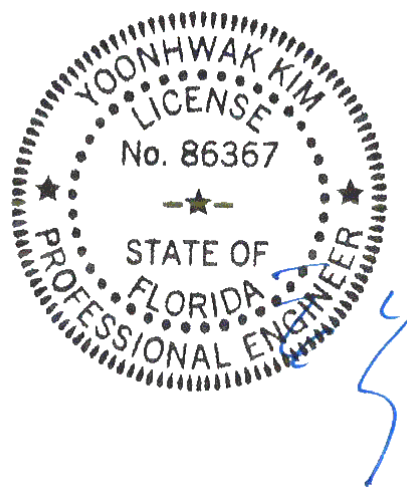
Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 4'-7-11.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
R - Q	3394 -1406	O - M	2164 -885
Q - P	3419 -1425	L - K	1692 -654
P - O	1910 -756	K - I	1693 -652

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - T	481 -1010	D - P	467 -125
A - R	2566 -1132	M - L	1949 -751
R - C	450 -967	M - G	1828 -812
C - P	686 -1548	L - G	502 -1148

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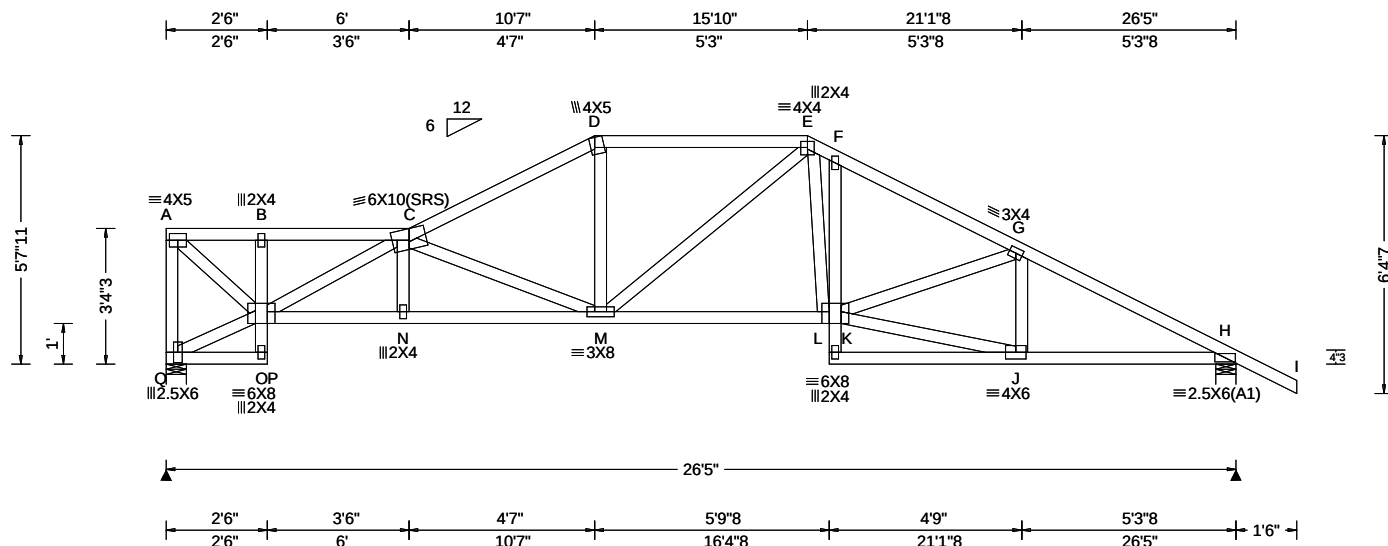
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 363214 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: B04	Cust: R 215 JRef: 1X3Q2150011 T2 DrwNo: 075.21.0938.19727 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.106 M 999 240 VERT(CL): 0.216 M 999 180 HORZ(LL): 0.064 J - - HORZ(TL): 0.130 J - - Creep Factor: 2.0 Max TC CSI: 0.293 Max BC CSI: 0.717 Max Web CSI: 0.640 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Q 1078 - / - / 550 / 200 / 150 H 1198 - / - / 724 / 211 / - Wind reactions based on MWFRS Q Brg Width = 6.0 Min Req = 1.5 H Brg Width = 6.0 Min Req = 1.5 Bearings Q & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 515 - 1228 E - F 850 - 1929 B - C 522 - 1247 F - G 813 - 1993 C - D 784 - 1842 G - H 700 - 1946 D - E 757 - 1613

Lumber

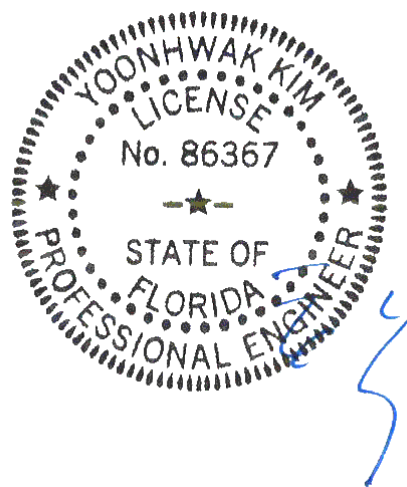
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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

The overall height of this truss excluding overhang is 5'-7-11.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
O - N	2450 - 879	M - K	1624 - 509
N - M	2449 - 883	J - H	1676 - 529

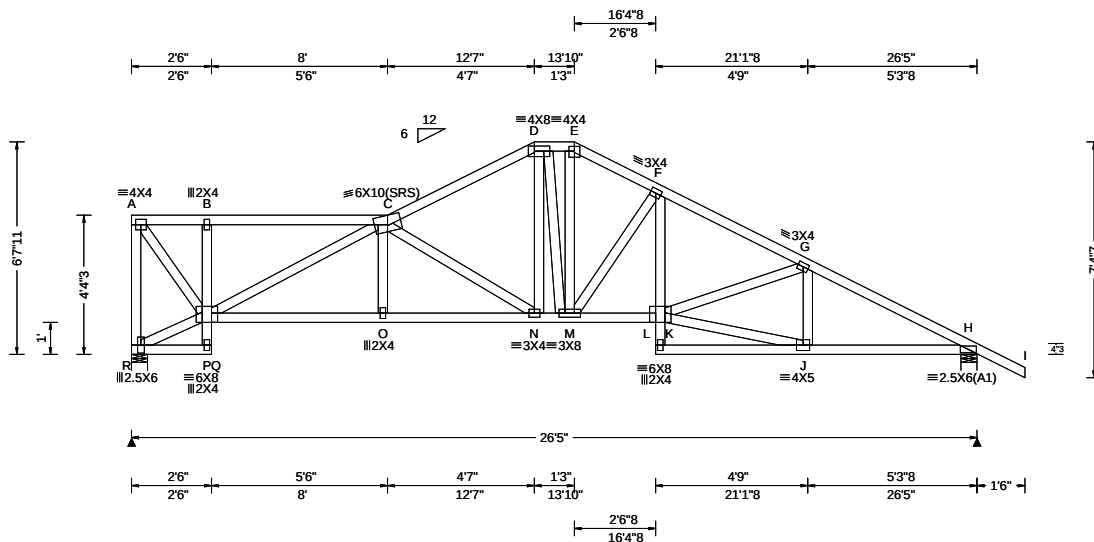
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - Q	464 - 1040	D - M	488 - 105
A - O	1575 - 660	E - K	661 - 176
O - C	570 - 1349	K - J	1681 - 525
C - M	421 - 928		

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Suite 305
Orlando FL, 32821

SEQN: 363215 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: B05	Cust: R 215 JRef: 1X3Q2150011 T19 DrwNo: 075.21.0938.17160 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.097 N 999 240 VERT(CL): 0.198 N 999 180 HORZ(LL): 0.055 J - - HORZ(TL): 0.113 J - - Creep Factor: 2.0 Max TC CSI: 0.308 Max BC CSI: 0.572 Max Web CSI: 0.977 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL R 1078 - / - / 564 / 204 / 176 H 1198 - / - / 732 / 204 - Wind reactions based on MWFRS R Brg Width = 6.0 Min Req = 1.5 H Brg Width = 6.0 Min Req = 1.5 Bearings R & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 340 -840 E - F 583 -1515 B - C 342 -850 F - G 649 -1986 C - D 585 -1561 G - H 572 -1946 D - E 549 -1330

Lumber

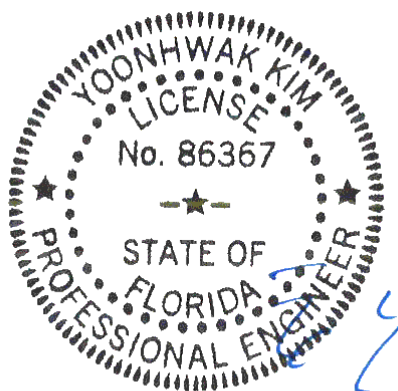
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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

The overall height of this truss excluding overhang is 6'-7"-11".



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
P - O	2017 -578	M - K	1721 -392
O - N	2012 -580	J - H	1676 -415
N - M	1334 -261		

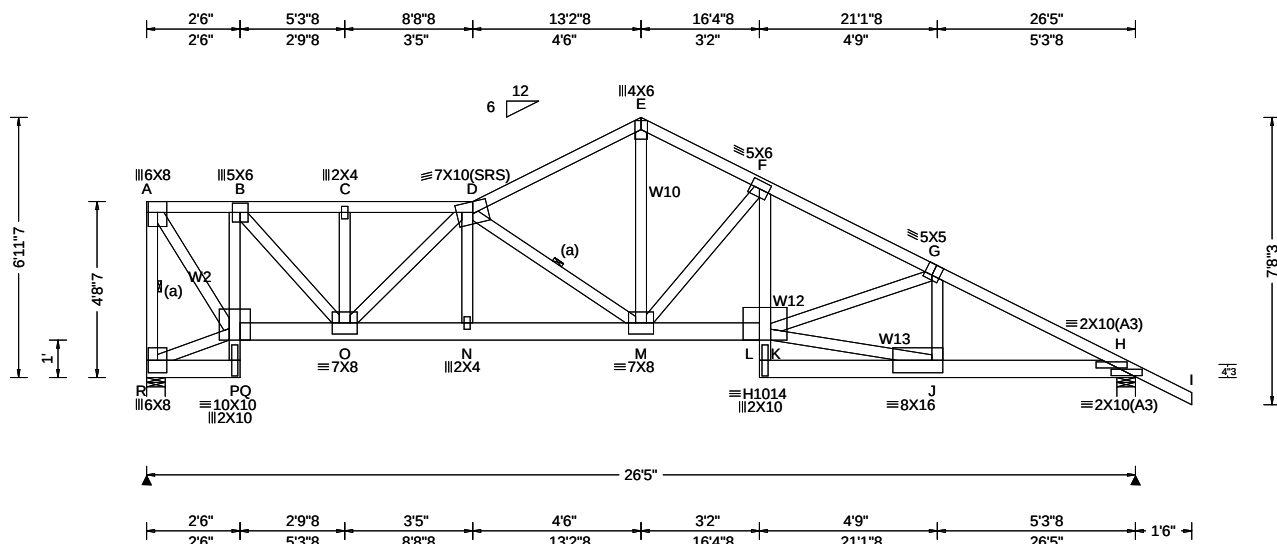
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - R	431 -1047	M - E	587 -219
A - P	1332 -539	M - F	247 -715
P - C	480 -1308	F - K	551 -102
C - N	385 -813	K - J	1672 -414
D - N	491 -177		

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

SEQN: 363300 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: B06	Cust: R 215 JRef: 1X3Q2150011 T24 DrwNo: 075.21.0938.13647 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft 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, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.229 K 999 240 VERT(CL): 0.455 K 692 180 HORZ(LL): 0.111 A - - HORZ(TL): 0.221 A - - Creep Factor: 2.0 Max TC CSI: 0.681 Max BC CSI: 0.623 Max Web CSI: 0.990 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL R 4744 - / - / - / 499 - / - H 2585 - / - / - / 506 - / - Wind reactions based on MWFRS R Brg Width = 6.0 Min Req = 3.9 H Brg Width = 6.0 Min Req = 2.1 Bearings R & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 342 -2952 E - F 762 -4102 B - C 684 -4695 F - G 1016 -5288 C - D 685 -4695 G - H 975 -5080 D - E 765 -4111

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W2 2x4 SP M-31; W10, W12,
W13 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

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

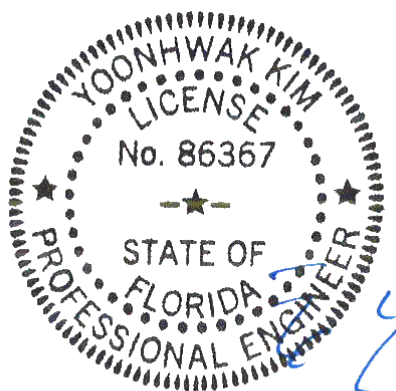
TC: From 62 plf at 0.00 to 62 plf at 8.71	TC: From 31 plf at 8.71 to 31 plf at 21.11
TC: From 62 plf at 21.11 to 62 plf at 27.92	BC: From 10 plf at 0.00 to 10 plf at 19.35
BC: From 20 plf at 19.35 to 20 plf at 26.42	BC: From 4 plf at 26.42 to 4 plf at 27.92
BC: 1467 lb Conc. Load at 1.35	BC: 1459 lb Conc. Load at 3.35
BC: 270 lb Conc. Load at 5.35	BC: 191 lb Conc. Load at 7.35
BC: 287 lb Conc. Load at 9.35	BC: 309 lb Conc. Load at 11.35
BC: 301 lb Conc. Load at 13.35	BC: 330 lb Conc. Load at 15.35
BC: 321 lb Conc. Load at 17.35	BC: 697 lb Conc. Load at 19.35

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 6-11-7.

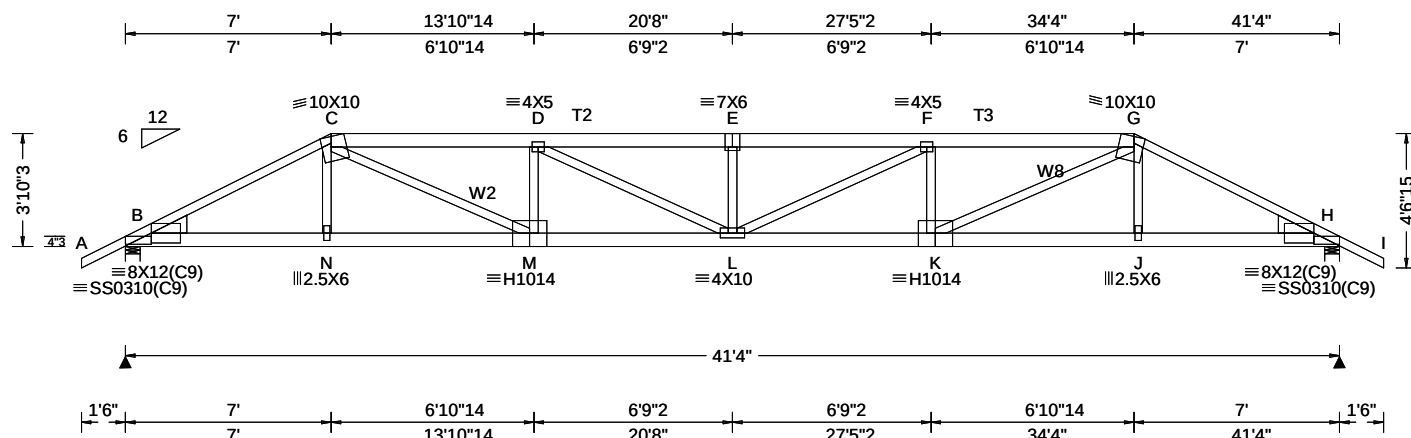


FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 363269 FROM: CDM	HIPS Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: C01	Cust: R 215 JRef: 1X3Q2150011 T22 DrwNo: 075.21.0937.57100 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 4.13 ft Loc. from endwall: not in 6.50 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: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): 18SS, WAVE, HS	PP Deflection in loc L/def L/# VERT(LL): 0.670 E 735 240 VERT(CL): 1.344 E 366 180 HORZ(LL): 0.132 J - - HORZ(TL): 0.265 J - - Creep Factor: 2.0 Max TC CSI: 0.771 Max BC CSI: 0.768 Max Web CSI: 0.658 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL B 4023 -/- /- /- /911 -/ H 4023 -/- /- /- /911 -/ Wind reactions based on MWFRS B Brg Width = 6.0 Min Req = 3.3 H Brg Width = 6.0 Min Req = 3.3 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 1866 -8253 E - F 2974 -13116 C - D 2640 -11645 F - G 2640 -11645 D - E 2974 -13116 G - H 1866 -8253

Lumber

Top chord: 2x4 SP M-31; T2,T3 2x6 SP 2400f-2.0E;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W2,W8 2x4 SP M-31;
Lt Wedge: 2x8 SP #2;Rt Wedge: 2x8 SP #2;

Special Loads

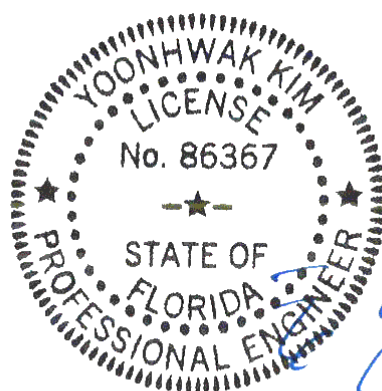
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 62 plf at -1.50 to 62 plf at 7.00
TC: From 31 plf at 7.00 to 31 plf at 34.33
TC: From 62 plf at 34.33 to 62 plf at 42.83
BC: From 4 plf at -1.50 to 4 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 7.03
BC: From 10 plf at 7.03 to 10 plf at 34.30
BC: From 20 plf at 34.30 to 20 plf at 41.33
BC: From 4 plf at 41.33 to 4 plf at 42.83
TC: 263 lb Conc. Load at 7.03,34.30
TC: 187 lb Conc. Load at 9.06,11.06,13.06,15.06
17.06,19.06,20.67,22.27,24.27,26.27,28.27,30.27
32.27
BC: 467 lb Conc. Load at 7.03,34.30
BC: 129 lb Conc. Load at 9.06,11.06,13.06,15.06
17.06,19.06,20.67,22.27,24.27,26.27,28.27,30.27
32.27

Wind

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

Additional Notes

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

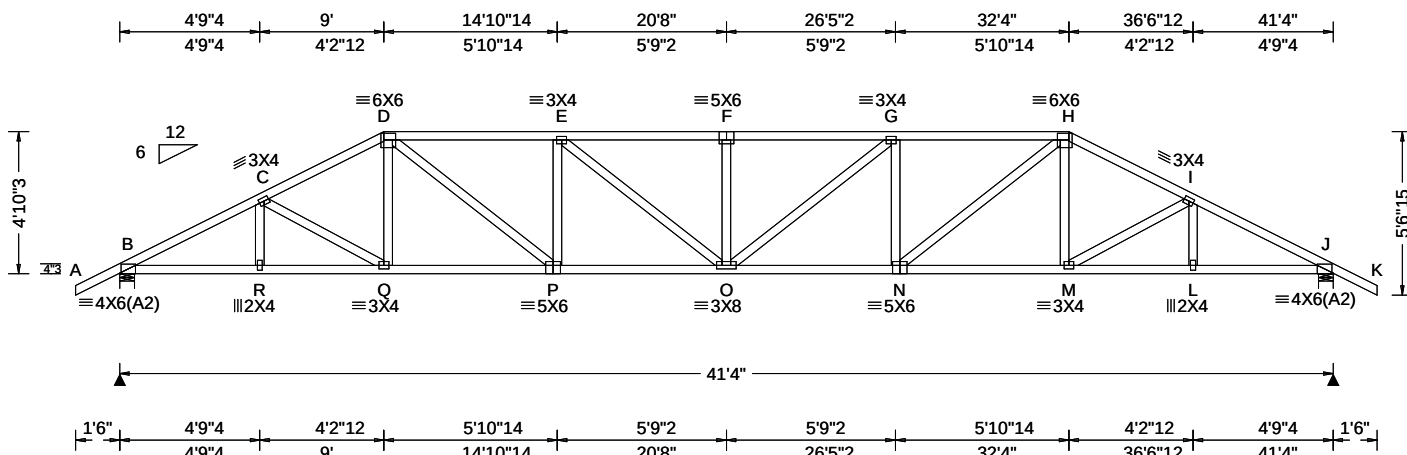


FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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

SEQN: 363216 FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: C02	Cust: R 215 JRef: 1X3Q2150011 T9 DrwNo: 075.21.0937.34030 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 4.13 ft Loc. from endwall: not in 6.50 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): 0.325 F 999 240 VERT(CL): 0.660 F 745 180 HORZ(LL): 0.097 L - - HORZ(TL): 0.196 L - - Creep Factor: 2.0 Max TC CSI: 0.537 Max BC CSI: 0.899 Max Web CSI: 0.439 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 1802 - / - / - / 1046 / 332 / 161 J 1802 - / - / - / 1046 / 332 / - Wind reactions based on MWFRS B Brg Width = 6.0 Min Req = 2.1 J Brg Width = 6.0 Min Req = 2.1 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 1016 - 3218 F - G 1378 - 3825 C - D 1045 - 2958 G - H 1313 - 3509 D - E 1313 - 3509 H - I 1045 - 2958 E - F 1378 - 3825 I - J 1016 - 3218

Lumber

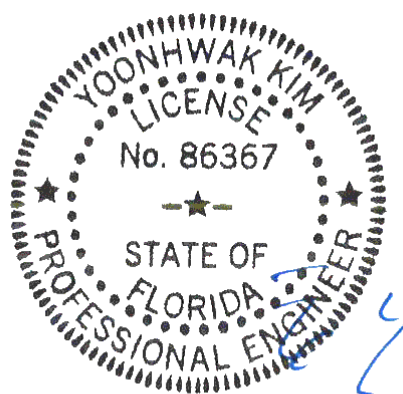
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

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

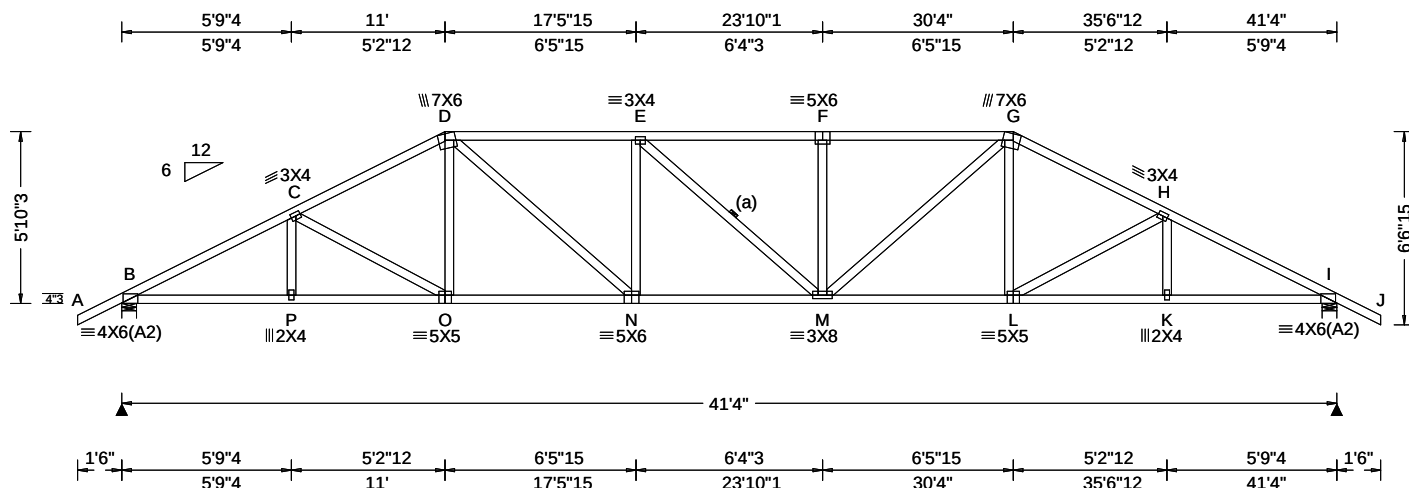


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03/16/2021

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

SEQN: 363217 FROM: CDM	HIPS Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: C03	Cust: R 215 JRef: 1X3Q2150011 T10 DrwNo: 075.21.0937.31667 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 4.13 ft Loc. from endwall: not in 6.50 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): 0.249 F 999 240 VERT(CL): 0.506 F 972 180 HORZ(LL): 0.089 K - - HORZ(TL): 0.182 K - - Creep Factor: 2.0 Max TC CSI: 0.586 Max BC CSI: 0.855 Max Web CSI: 0.431 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL B 1802 - / - / - /1062 /329 /188 I 1802 - / - / - /1062 /329 - / - Wind reactions based on MWFRS B Brg Width = 6.0 Min Req = 2.1 I Brg Width = 6.0 Min Req = 2.1 Bearings B & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 993 -3211 F - G 1172 -3077 C - D 990 -2815 G - H 990 -2815 D - E 1165 -3062 H - I 993 -3211 E - F 1172 -3077

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

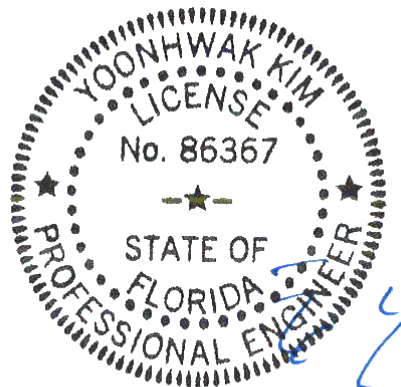
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 5-10-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

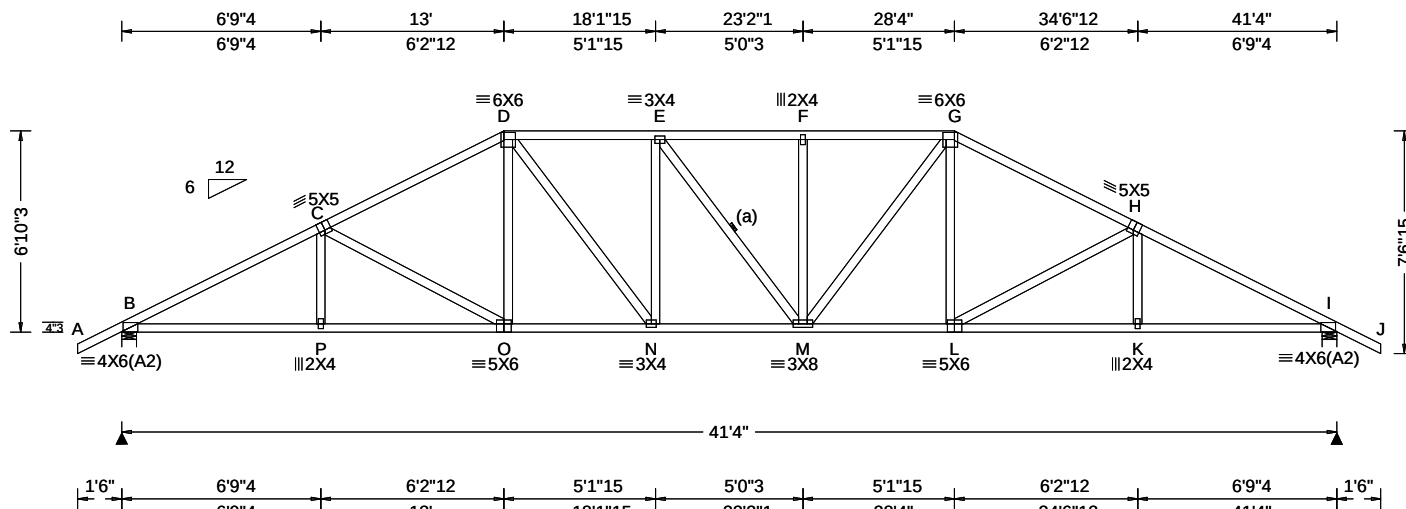
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 363218 FROM: CDM	HIPS Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: C04	Cust: R 215 JRef: 1X3Q2150011 T37 DrwNo: 075.21.0937.28720 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 4.13 ft Loc. from endwall: not in 13.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.214 F 999 240 VERT(CL): 0.434 F 999 180 HORZ(LL): 0.086 K - - HORZ(TL): 0.174 K - - Creep Factor: 2.0 Max TC CSI: 0.526 Max BC CSI: 0.796 Max Web CSI: 0.539 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 1802 /- /- /1074 /327 /216 I 1802 /- /- /1074 /327 /- Wind reactions based on MWFRS B Brg Width = 6.0 Min Req = 2.1 I Brg Width = 6.0 Min Req = 2.1 Bearings B & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 963 -3190 F - G 1018 -2615 C - D 930 -2658 G - H 930 -2658 D - E 1012 -2605 H - I 963 -3190 E - F 1017 -2615

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

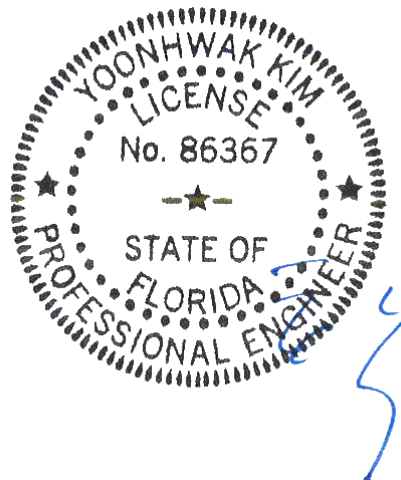
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 6'-10-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - P	2772 -763	M - L	2298 -589
P - O	2769 -764	L - K	2769 -757
O - N	2298 -597	K - I	2772 -755
N - M	2618 -726		

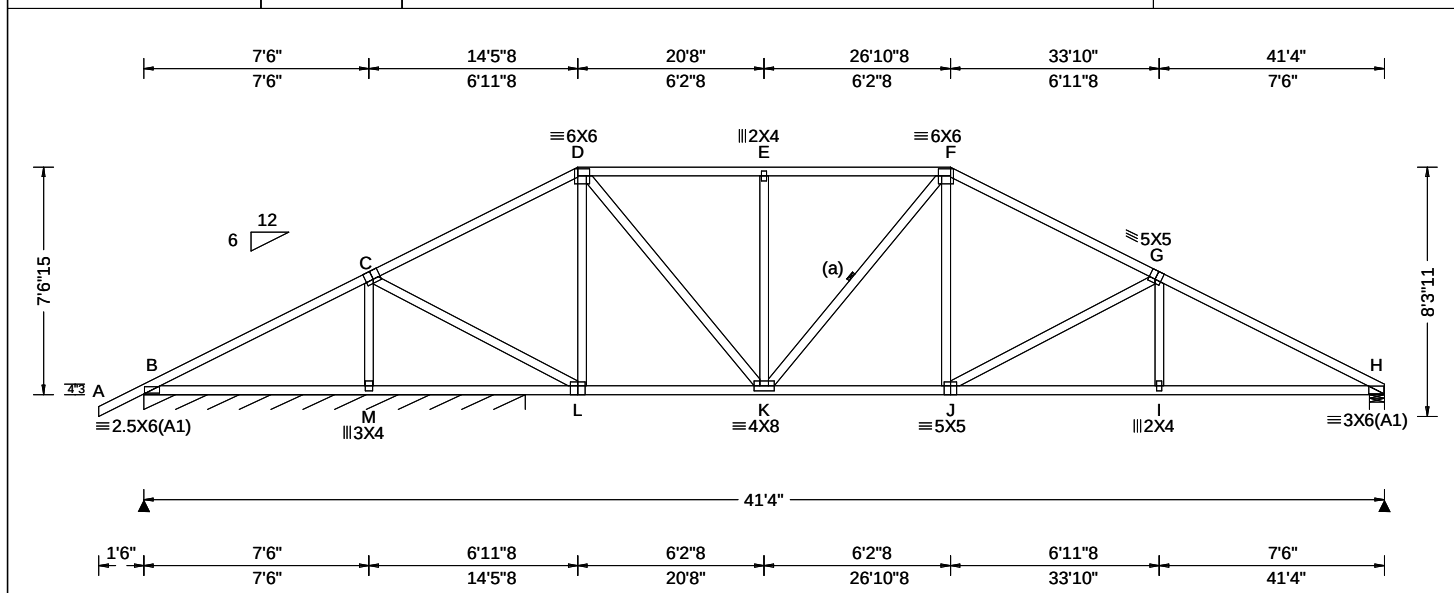
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - O	193 -541	M - G	512 -232
D - O	433 -43	G - L	436 -43
D - N	505 -226	L - H	193 -542

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 363251 FROM: CDM	HIPS Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: C05	Cust: R 215 JRef: 1X3Q2150011 T15 DrwNo: 075.21.0937.25113 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCCL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.13 ft Loc. from endwall: not in 13.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.109 J 999 240 VERT(CL): 0.210 J 999 180 HORZ(LL): 0.035 I - - HORZ(TL): 0.067 I - - Creep Factor: 2.0 Max TC CSI: 0.898 Max BC CSI: 0.777 Max Web CSI: 0.812 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B* 181 - / - / - /102 /8 /17 H 1412 - / - / - /821 /77 /- Wind reactions based on MWFRS B Brg Width = 152 Min Req = - H Brg Width = 6.0 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 467 -130 E - F 660 -1549 C - D 461 -1171 F - G 662 -1933 D - E 660 -1549 G - H 727 -2569

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 5X6 except as noted.

Loading

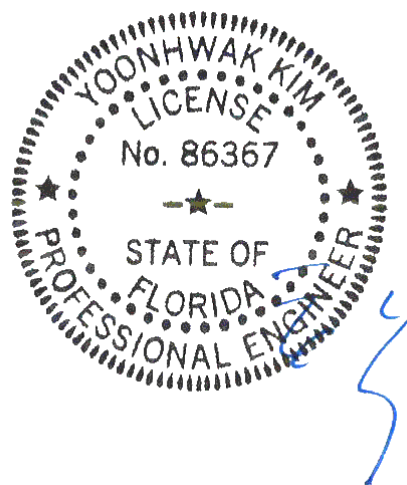
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 7'-6-15.

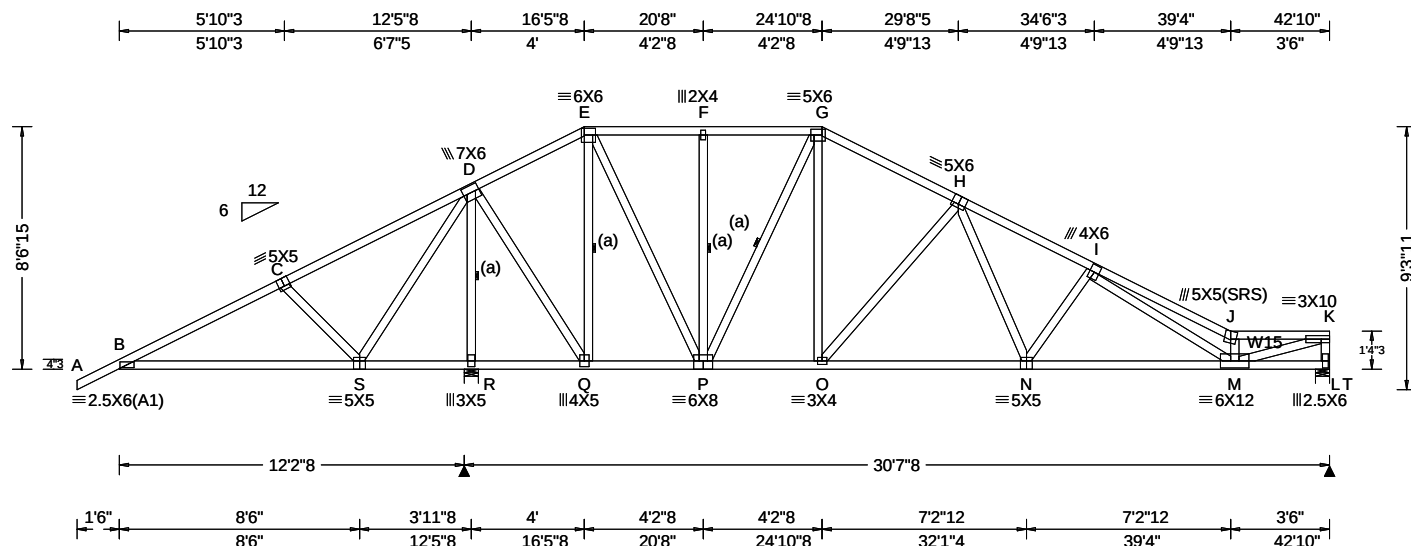


FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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

SEQN: 363243 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: C06	Cust: R 215 JRef: 1X3Q2150011 T12 DrwNo: 075.21.0937.22473 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.28 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.157 J 999 240 VERT(CL): 0.350 J 999 180 HORZ(LL): 0.045 E - - HORZ(TL): 0.108 E - - Creep Factor: 2.0 Max TC CSI: 0.805 Max BC CSI: 0.872 Max Web CSI: 0.901 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL R 2673 - / - / /1851 /235 /237 T 1176 - / - / /679 /132 - Wind reactions based on MWFRS R Brg Width = 6.0 Min Req = 3.2 T Brg Width = 6.0 Min Req = 1.5 Bearings R & T are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W15 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

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

Wind

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

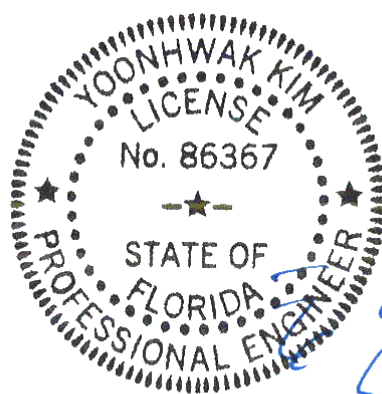
Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 8-6-15.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - S	618 -664	P - O	923 -200
S - R	1007 -1193	O - N	1434 -320
R - Q	935 -1215	N - M	2059 -527
Q - P	551 -516		

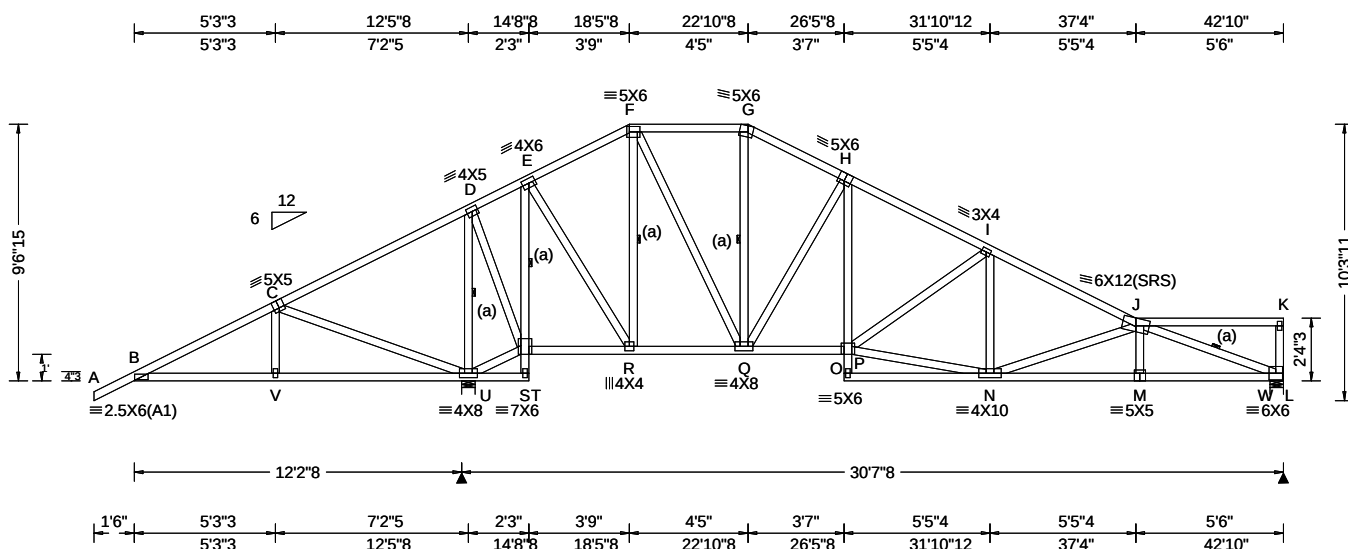
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - S	231 -404	O - H	264 -796
S - D	644 -507	H - N	768 -158
D - R	1334 -2606	N - I	267 -576
D - Q	1757 -787	I - M	1708 -543
E - Q	709 -1389	J - M	671 -1944
E - P	1177 -503	M - K	3311 -909
P - G	296 -808	K - L	352 -1115
G - O	774 -141		

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

SEQN: 363275 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: C07	Cust: R 215 JRef: 1X3Q2150011 T31 DrwNo: 075.21.0937.19973 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.28 ft Loc. from endwall: not in 13.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.105 N 999 240 VERT(CL): 0.247 N 999 180 HORZ(LL): 0.039 F - - HORZ(TL): 0.099 F - - Creep Factor: 2.0 Max TC CSI: 0.887 Max BC CSI: 0.651 Max Web CSI: 0.965 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL U 2631 -/- /- /1863 /224 /263 W 1125 -/- /- /653 /110 -/ Wind reactions based on MWFRS U Brg Width = 6.0 Min Req = 3.1 W Brg Width = 6.0 Min Req = 1.5 Bearings U & W 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 689 -465 F - G 402 -732 C - D 1421 -906 G - H 431 -870 D - E 1033 -777 H - I 471 -1416 E - F 520 -464 I - J 528 -1850

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Wind

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

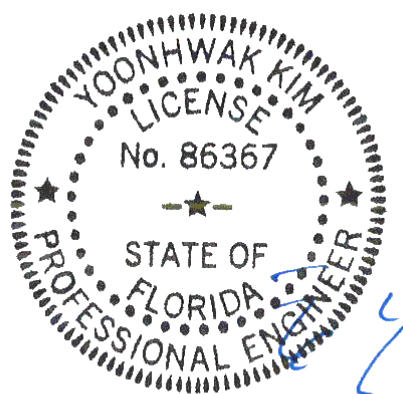
Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 9-6-15.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

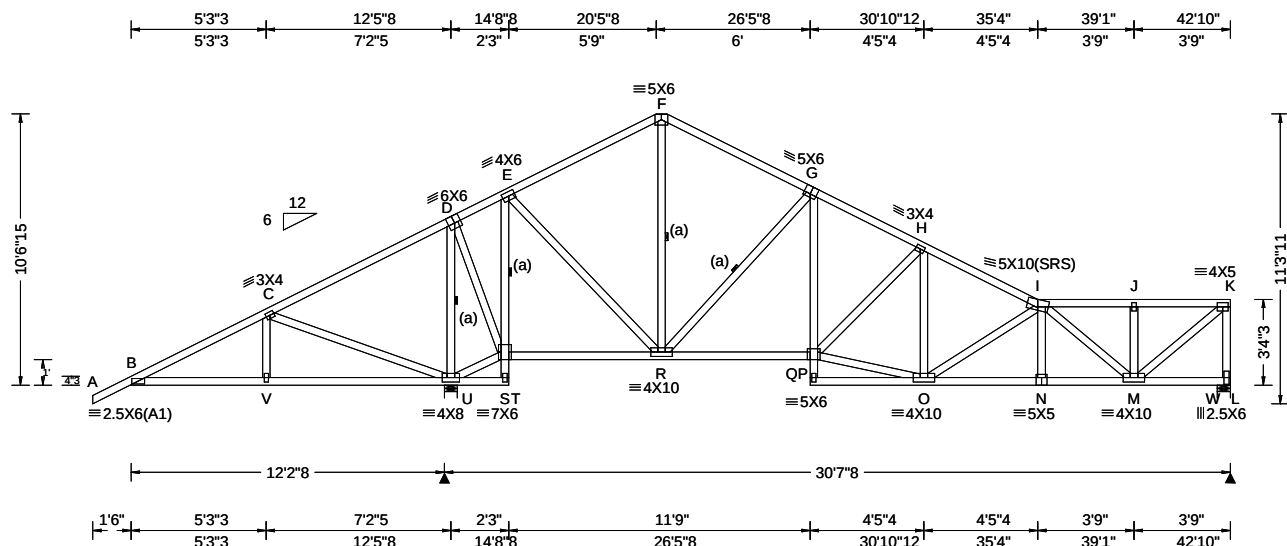
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 363278 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: C08	Cust: R 215 JRef: 1X3Q2150011 T34 DrwNo: 075.21.0937.16890 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.28 ft Loc. from endwall: not in 13.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.083 O 999 240 VERT(CL): 0.193 O 999 180 HORZ(LL): 0.036 F - - HORZ(TL): 0.087 F - - Creep Factor: 2.0 Max TC CSI: 0.883 Max BC CSI: 0.570 Max Web CSI: 0.889 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL U 2683 - / - / - /1870 /204 /290 W 1163 - / - / - /625 /84 - / - Wind reactions based on MWFRS U Brg Width = 6.0 Min Req = 3.2 W Brg Width = 6.0 Min Req = 1.5 Bearings U & W 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 685 -463 G - H 427 -1511 C - D 1422 -907 H - I 469 -1789 D - E 1018 -802 I - J 398 -1269 E - F 425 -727 J - K 398 -1269 F - G 389 -724

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Wind

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

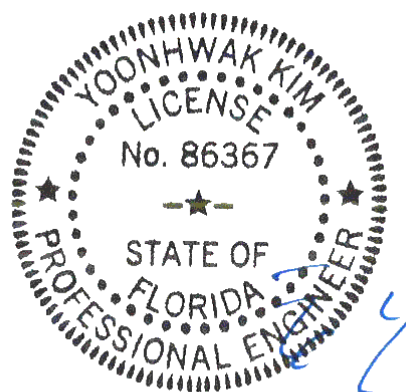
Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10'-6".

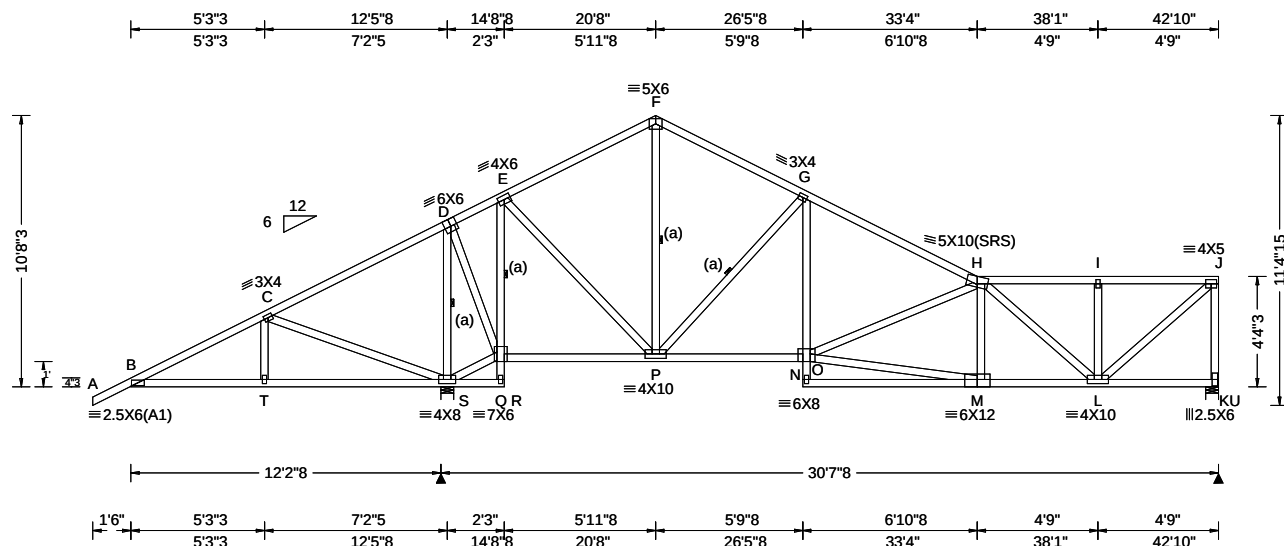


FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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

SEQN: 363281 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: C09	Cust: R 215 JRef: 1X3Q2150011 T1 DrwNo: 075.21.0937.14977 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.28 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.076 H 999 240 VERT(CL): 0.176 H 999 180 HORZ(LL): 0.033 F - - HORZ(TL): 0.080 F - - Creep Factor: 2.0 Max TC CSI: 0.883 Max BC CSI: 0.595 Max Web CSI: 0.909 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL S 2683 -/- /- /1878 /200 /290 U 1163 -/- /- /603 /110 -/ Wind reactions based on MWFRS S Brg Width = 6.0 Min Req = 3.2 U Brg Width = 6.0 Min Req = 1.5 Bearings S & U are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 685 -463 F - G 386 -731 C - D 1422 -907 G - H 447 -1557 D - E 1027 -799 H - I 401 -1172 E - F 421 -726 I - J 401 -1172

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Wind

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

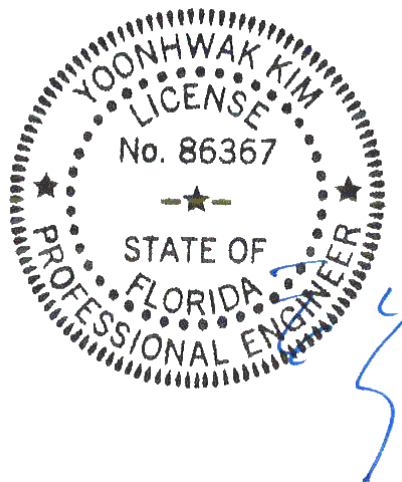
Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-8-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - T	508 -533	P - N	1314 -326
T - S	513 -537	M - L	1864 -564
Q - P	790 -934		

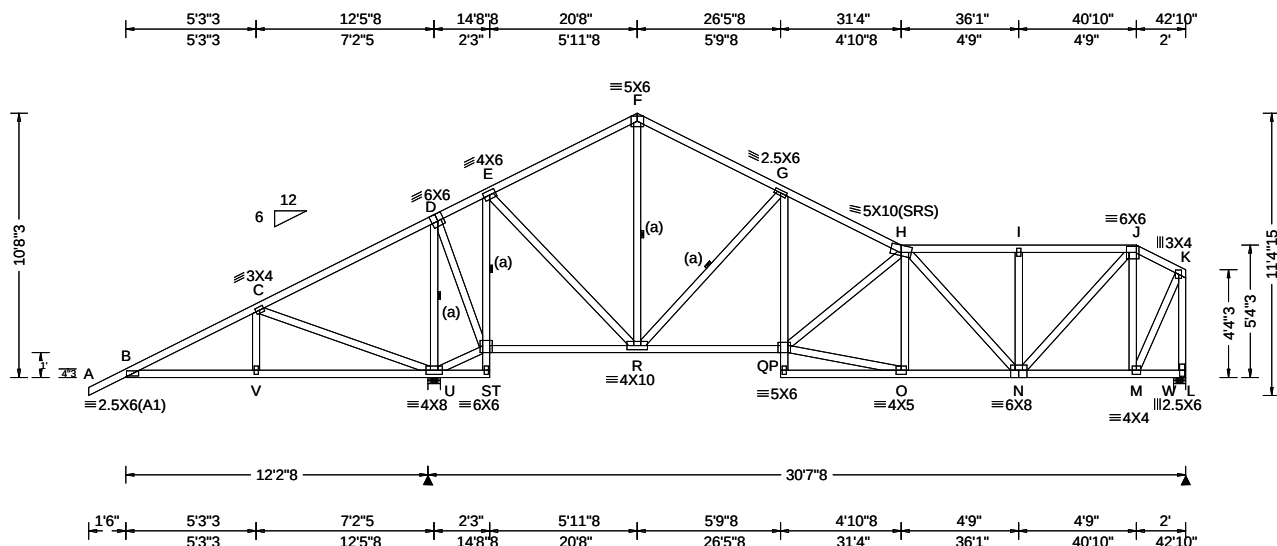
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - S	526 -694	G - N	755 -158
S - D	456 -1620	N - H	285 -634
S - Q	936 -1344	N - M	1846 -562
D - Q	1150 -265	H - L	213 -909
Q - E	783 -1749	L - J	1541 -528
E - P	1435 -623	J - K	437 -1122
P - G	373 -1092		

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 363284 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: C10	Cust: R 215 JRef: 1X3Q2150011 T39 DrwNo: 075.21.0937.13047 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.28 ft Loc. from endwall: not in 13.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.069 P 999 240 VERT(CL): 0.160 P 999 180 HORZ(LL): 0.028 F - - HORZ(TL): 0.068 F - - Creep Factor: 2.0 Max TC CSI: 0.883 Max BC CSI: 0.571 Max Web CSI: 0.908 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL U 2683 -/- /- /1885 /195 /290 W 1163 -/- /- /612 /95 -/- Non-Gravity Wind reactions based on MWFRS U Brg Width = 6.0 Min Req = 3.2 W Brg Width = 6.0 Min Req = 1.5 Bearings U & W 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 685 -463 G - H 496 -1516 C - D 1422 -907 H - I 470 -1214 D - E 1011 -780 I - J 470 -1214 E - F 413 -726 J - K 194 -514 F - G 376 -726

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Wind

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

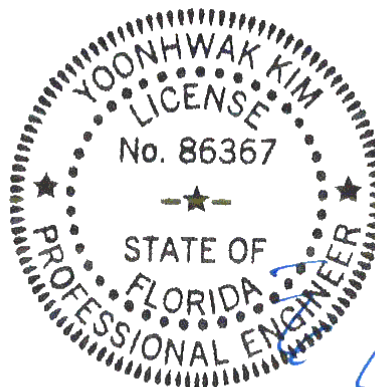
Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-8-3.



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - V	508 -534	R - P	1302 -351
V - U	513 -538	O - N	1594 -504
S - R	780 -918	N - M	446 -158

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - U	526 -693	P - O	1618 -509
U - D	491 -1673	P - H	254 -427
U - S	925 -1317	H - N	169 -555
D - S	1194 -281	N - J	1120 -392
S - E	778 -1729	J - M	359 -820
E - R	1423 -622	M - K	1004 -356
R - G	396 -1073	K - L	415 -1157
G - P	809 -221		

FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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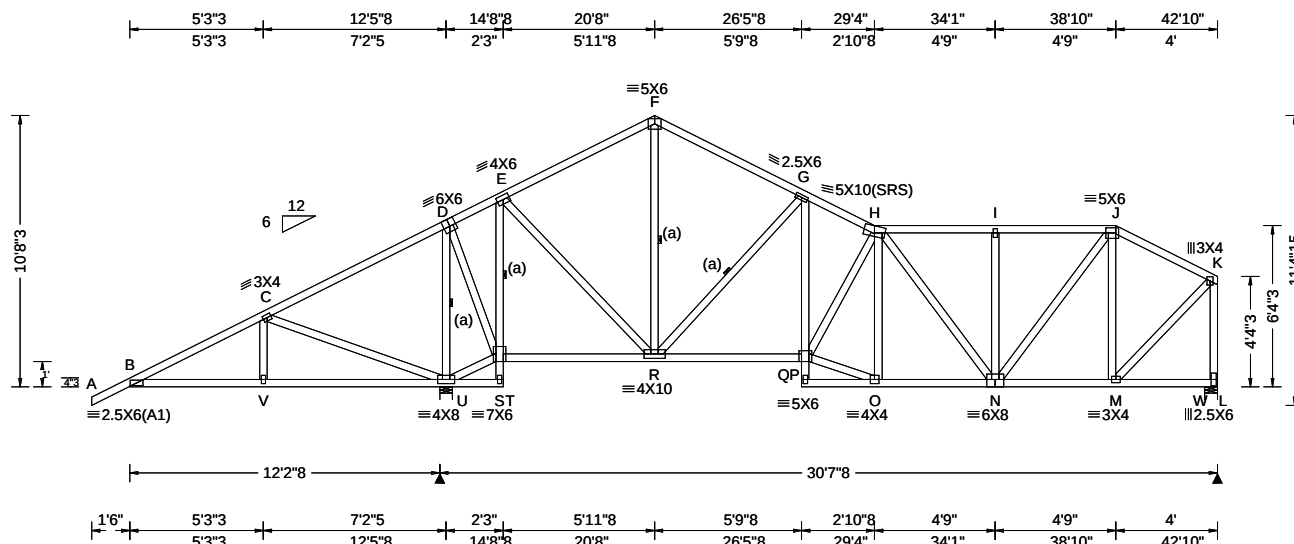
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Orlando FL, 32821

SEQN: 363287 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: C11	Cust: R 215 JRef: 1X3Q2150011 T26 DrwNo: 075.21.0937.10490 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.28 ft Loc. from endwall: not in 13.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.062 P 999 240 VERT(CL): 0.151 V 992 180 HORZ(LL): 0.024 F - - HORZ(TL): 0.058 F - - Creep Factor: 2.0 Max TC CSI: 0.883 Max BC CSI: 0.570 Max Web CSI: 0.939 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL U 2683 -/- /- /1892 /207 /290 W 1163 -/- /- /623 /83 -/- Wind reactions based on MWFRS U Brg Width = 6.0 Min Req = 3.2 W Brg Width = 6.0 Min Req = 1.5 Bearings U & W 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 685 -463 G - H 548 -1481 C - D 1422 -907 H - I 504 -1187 D - E 1018 -781 I - J 504 -1187 E - F 406 -727 J - K 314 -809 F - G 368 -724

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Wind

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

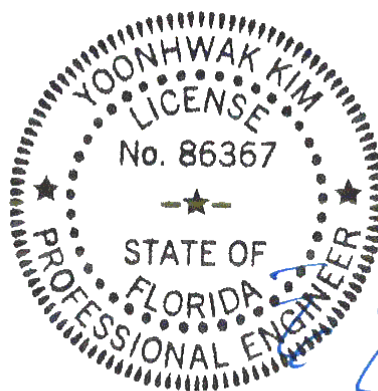
Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-8-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

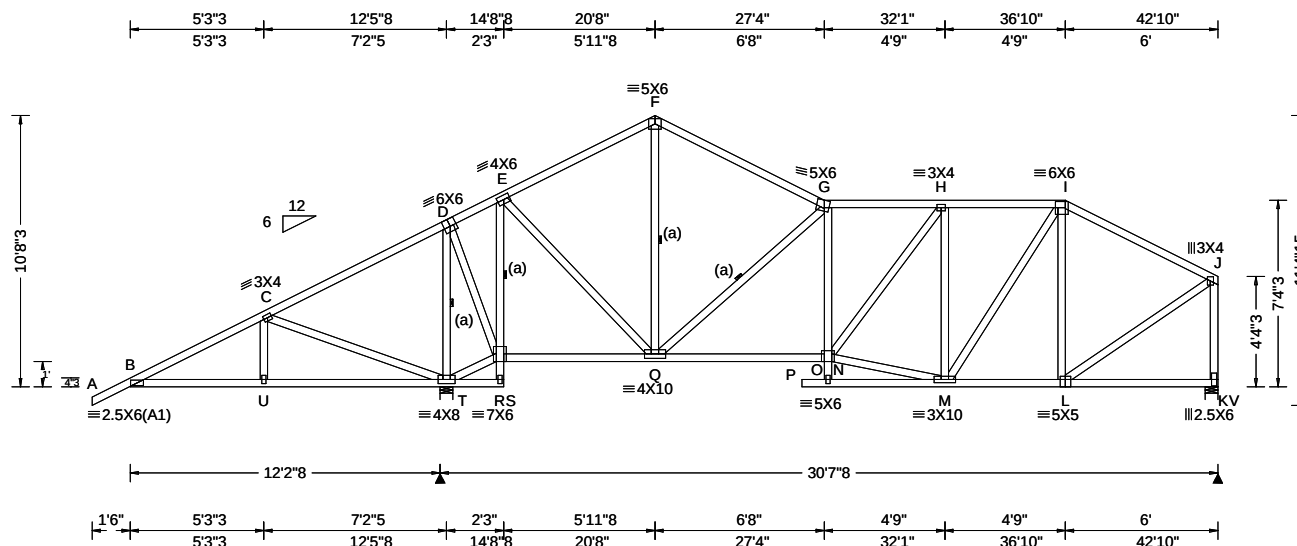
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 363290 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: C12	Cust: R 215 JRef: 1X3Q2150011 T27 DrwNo: 075.21.0937.07997 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 4.28 ft Loc. from endwall: not in 13.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.062 U 999 240 VERT(CL): 0.154 U 971 180 HORZ(LL): 0.023 F - - HORZ(TL): 0.055 F - - Creep Factor: 2.0 Max TC CSI: 0.882 Max BC CSI: 0.641 Max Web CSI: 0.964 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL T 2682 - / - / - /1899 /206 /290 V 1167 - / - / - /633 /91 - / - Non-Gravity Wind reactions based on MWFRS T Brg Width = 6.0 Min Req = 3.2 V Brg Width = 6.0 Min Req = 1.5 Bearings T & V 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 685 -463 F - G 356 -739 C - D 1422 -907 G - H 578 -1419 D - E 1018 -775 H - I 502 -1117 E - F 398 -727 I - J 375 -986

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Wind

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

Right end vertical not exposed to wind pressure.

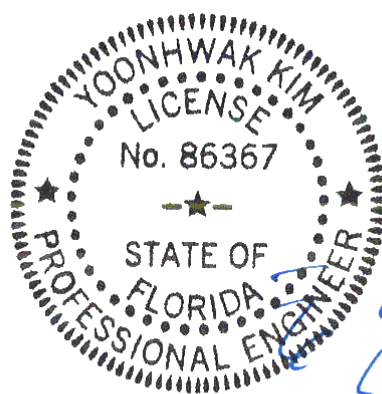
Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

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

Note: Laterally brace bottom chord above filler at 2'0" O.C. Max. including a lateral brace at chord ends.



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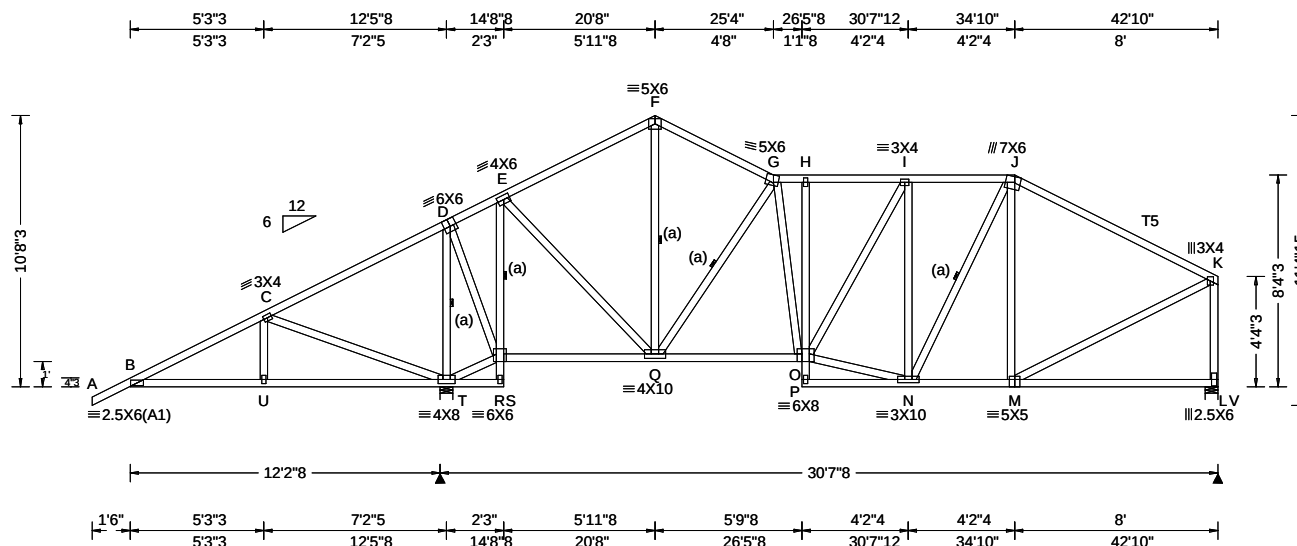
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 363293 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: C13	Cust: R 215 JRef: 1X3Q2150011 T28 DrwNo: 075.21.0936.58857 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 4.28 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.062 U 999 240 VERT(CL): 0.159 U 940 180 HORZ(LL): 0.017 F - - HORZ(TL): 0.041 F - - Creep Factor: 2.0 Max TC CSI: 0.883 Max BC CSI: 0.677 Max Web CSI: 0.960 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL T 2689 -/- /- /1906 /204 /290 V 1163 -/- /- /643 /99 -/ Wind reactions based on MWFRS T Brg Width = 6.0 Min Req = 3.2 V Brg Width = 6.0 Min Req = 1.5 Bearings T & V are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

Top chord: 2x4 SP #2; T5 2x4 SP M-31;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Wind

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

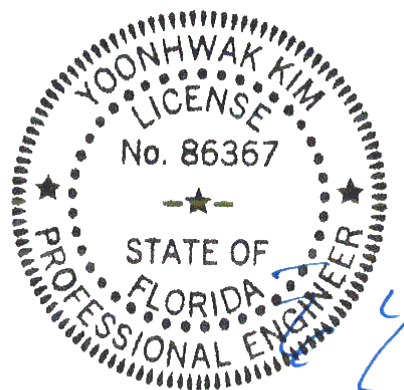
Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-8-3.



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Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - U	508 -533	Q - O	1114 -367
U - T	513 -537	N - M	880 -271
R - Q	772 -916		

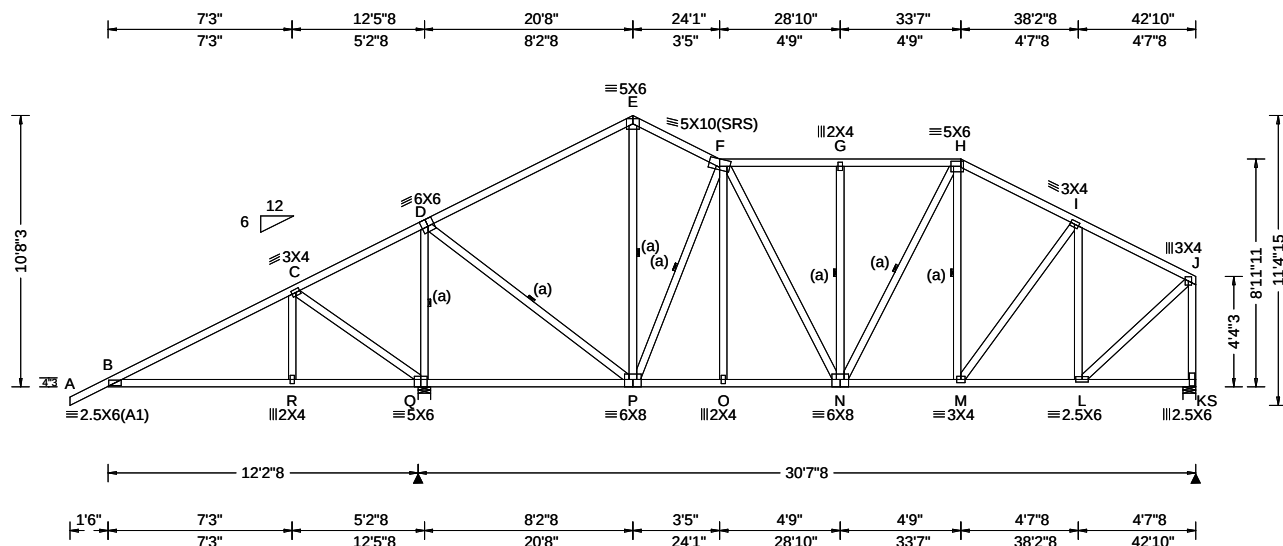
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - T	526 -693	Q - G	445 -958
T - D	540 -1678	G - O	462 -257
T - R	934 -1318	O - N	1047 -347
D - R	1202 -319	I - N	255 -469
R - E	823 -1739	M - K	985 -304
E - Q	1425 -657	K - L	409 -1097

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 363247 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: C14	Cust: R 215 JRef: 1X3Q2150011 T43 DrwNo: 075.21.0936.55963 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 4.28 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.083 R 999 240 VERT(CL): 0.171 R 865 180 HORZ(LL): -0.015 H - - HORZ(TL): 0.033 D - - Creep Factor: 2.0 Max TC CSI: 0.959 Max BC CSI: 0.556 Max Web CSI: 0.675 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Q 2821 -/- /- /1898 /200 /290 S 1244 -/- /- /654 /98 -/- Wind reactions based on MWFRS Q Brg Width = 6.0 Min Req = 3.3 S Brg Width = 6.0 Min Req = 1.5 Bearings Q & S are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 915 -584 F - G 493 -1065 C - D 1373 -897 G - H 493 -1065 D - E 357 -780 H - I 449 -1117 E - F 377 -684 I - J 302 -921

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.

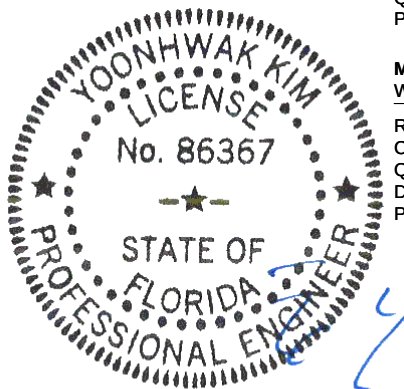
Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10'-8-3/4\"/>

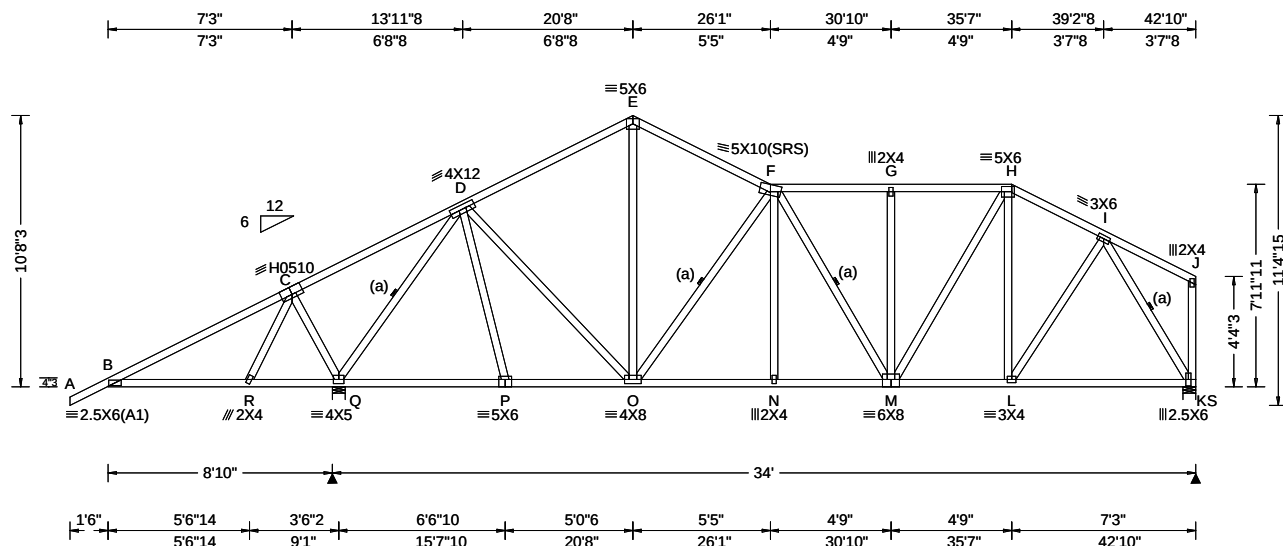


FL REC# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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

SEQN: 363237 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: C15	Cust: R 215 JRef: 1X3Q2150011 T46 DrwNo: 075.21.0936.54207 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 4.28 ft Loc. from endwall: not in 13.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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/def L/# VERT(LL): 0.081 N 999 240 VERT(CL): 0.157 N 999 180 HORZ(LL): 0.031 K - - HORZ(TL): 0.062 K - - Creep Factor: 2.0 Max TC CSI: 0.932 Max BC CSI: 0.731 Max Web CSI: 0.951 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Q 2589 - / - / - /1650 /121 /290 S 1576 - / - / - /742 /61 - /- Wind reactions based on MWFRS Q Brg Width = 6.0 Min Req = 3.1 S Brg Width = 6.0 Min Req = 1.9 Bearings Q & S are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 855 -528 F - G 590 -1576 C - D 1127 -693 G - H 590 -1576 D - E 471 -1301 H - I 479 -1394 E - F 485 -1270

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.

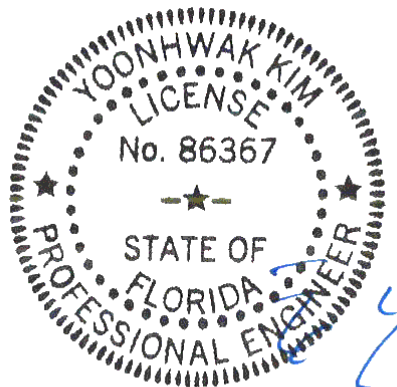
Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

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

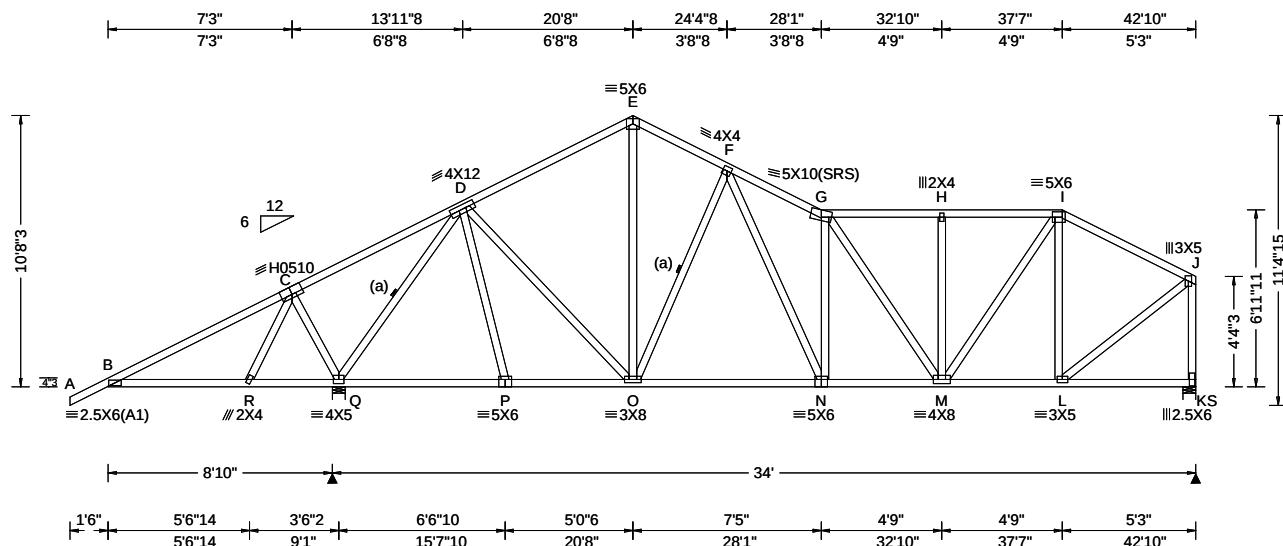


FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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Suite 305
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SEQN: 363255 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: C16	Cust: R 215 JRef: 1X3Q2150011 T44 DrwNo: 075.21.0936.51797 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 4.28 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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/def L/# VERT(LL): 0.093 G 999 240 VERT(CL): 0.188 G 999 180 HORZ(LL): 0.030 E - - HORZ(TL): 0.064 E - - Creep Factor: 2.0 Max TC CSI: 0.926 Max BC CSI: 0.783 Max Web CSI: 0.930 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Q 2548 - / - / - /1644 /123 /290 S 1410 - / - / - /733 /74 - /- Wind reactions based on MWFRS Q Brg Width = 6.0 Min Req = 3.0 S Brg Width = 6.0 Min Req = 1.7 Bearings Q & S are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 856 -528 F - G 753 -2071 C - D 1126 -694 G - H 589 -1511 D - E 450 -1261 H - I 589 -1511 E - F 474 -1200 I - J 404 -1147

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.

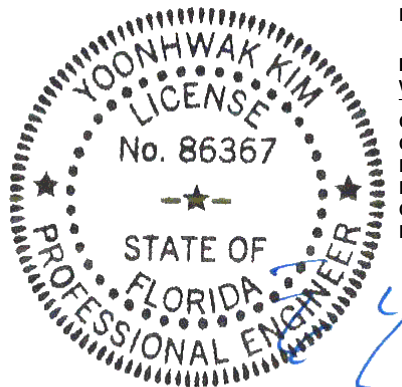
Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10'-8-3/4\"/>

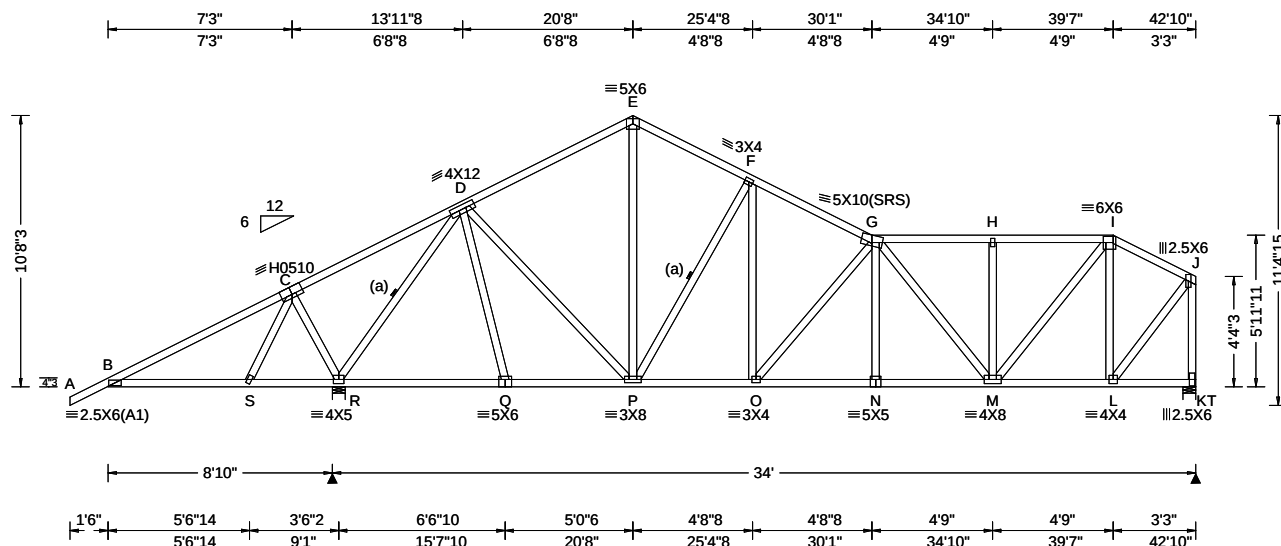


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03/16/2021

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Suite 305
Orlando FL, 32821

SEQN: 363246 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: C17	Cust: R 215 JRef: 1X3Q2150011 T25 DrwNo: 075.21.0936.49163 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 4.28 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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/def L/# VERT(LL): 0.090 N 999 240 VERT(CL): 0.185 N 999 180 HORZ(LL): 0.032 E - - HORZ(TL): 0.071 E - - Creep Factor: 2.0 Max TC CSI: 0.927 Max BC CSI: 0.567 Max Web CSI: 0.917 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL R 2514 - / - / 1637 / 110 / 290 T 1381 - / - / 723 / 87 / - Wind reactions based on MWFRS R Brg Width = 6.0 Min Req = 3.0 T Brg Width = 6.0 Min Req = 1.6 Bearings R & T are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 856 -528 F - G 557 -1709 C - D 1128 -693 G - H 566 -1508 D - E 432 -1207 H - I 566 -1508 E - F 458 -1166 I - J 310 -856

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Wind

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

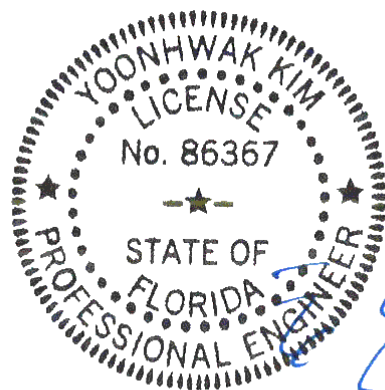
Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-8-3.



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03/16/2021

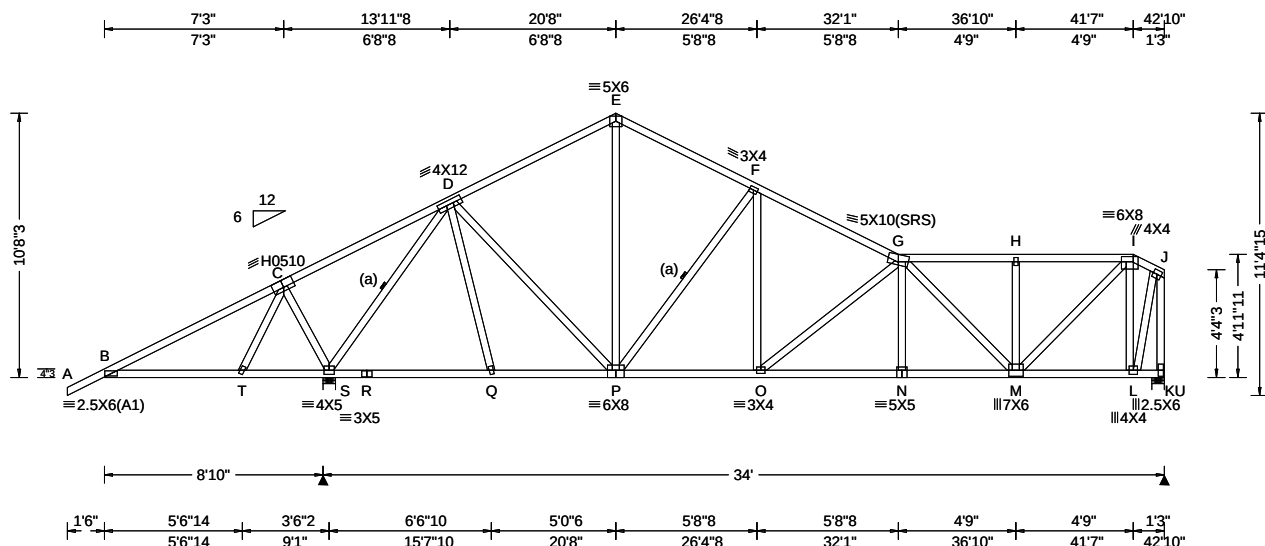
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ALPINE
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 363236 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: C18	Cust: R 215 JRef: 1X3Q2150011 T42 DrwNo: 075.21.0936.46903 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 4.28 ft Loc. from endwall: not in 13.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.103 G 999 240 VERT(CL): 0.211 G 999 180 HORZ(LL): 0.039 E - - HORZ(TL): 0.086 E - - Creep Factor: 2.0 Max TC CSI: 0.929 Max BC CSI: 0.716 Max Web CSI: 0.919 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL S 2520 - / - / - /1631 /114 /290 U 1390 - / - / - /714 /99 - / - Wind reactions based on MWFRS S Brg Width = 6.0 Min Req = 3.0 U Brg Width = 6.0 Min Req = 1.6 Bearings S & U are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 856 -528 F - G 537 -1868 C - D 1127 -694 G - H 512 -1499 D - E 411 -1216 H - I 512 -1499 E - F 439 -1195 I - J 141 -416

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Wind

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

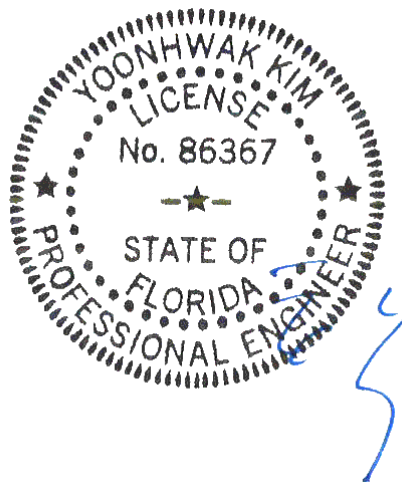
Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-8-3.



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03/16/2021

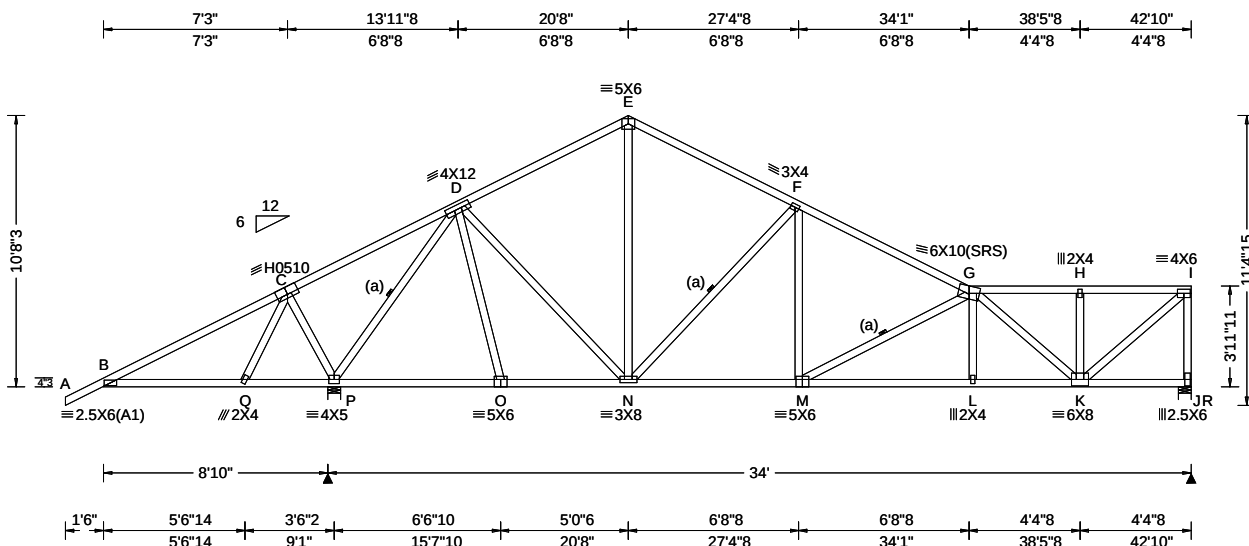
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 363254 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: C19	Cust: R 215 JRef: 1X3Q2150011 T47 DrwNo: 075.21.0936.43660 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 4.28 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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/def L/# VERT(LL): 0.113 M 999 240 VERT(CL): 0.231 M 999 180 HORZ(LL): 0.044 E - - HORZ(TL): 0.096 E - - Creep Factor: 2.0 Max TC CSI: 0.933 Max BC CSI: 0.864 Max Web CSI: 0.990 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity P 2523 - / - / - / 1624 / 120 / 290 R 1398 - / - / - / 718 / 95 / - Wind reactions based on MWFRS P Brg Width = 6.0 Min Req = 3.0 R Brg Width = 6.0 Min Req = 1.6 Bearings P & R are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 856 -528 F - G 524 -2032 C - D 1127 -693 G - H 461 -1481 D - E 399 -1223 H - I 461 -1481 E - F 423 -1222

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.

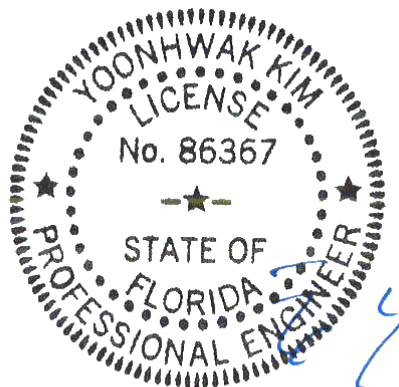
Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10'-8-3/4\"/>

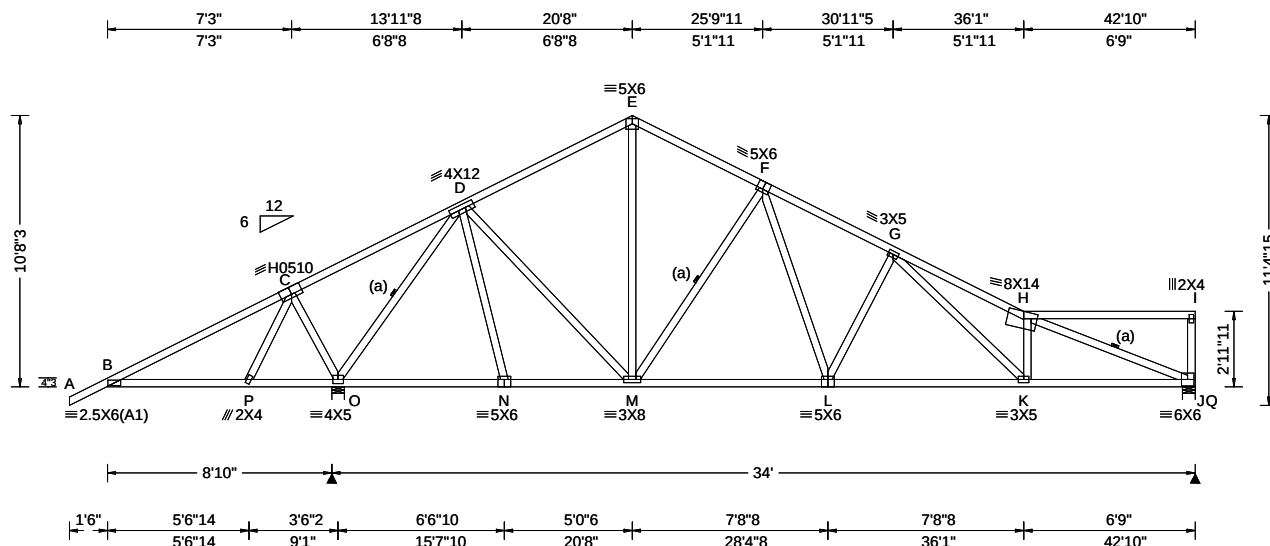


FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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

SEQN: 363245 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: C20	Cust: R 215 JRef: 1X3Q2150011 T45 DrwNo: 075.21.0936.41300 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 4.28 ft Loc. from endwall: not in 13.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.159 H 999 240 VERT(CL): 0.322 H 999 180 HORZ(LL): 0.063 E - - HORZ(TL): 0.135 E - - Creep Factor: 2.0 Max TC CSI: 0.929 Max BC CSI: 0.926 Max Web CSI: 0.927 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL O 2541 -/- /- /1618 /127 /292 Q 1411 -/- /- /741 /59 -/- Non-Gravity Wind reactions based on MWFRS O Brg Width = 6.0 Min Req = 3.0 Q Brg Width = 6.0 Min Req = 1.7 Bearings O & Q are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 856 -528 E - F 417 -1220 C - D 1126 -694 F - G 559 -2120 D - E 389 -1252 G - H 854 -3268

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.

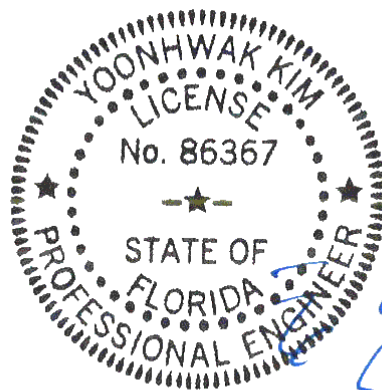
Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10'-8-3/4\"/>



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03/16/2021

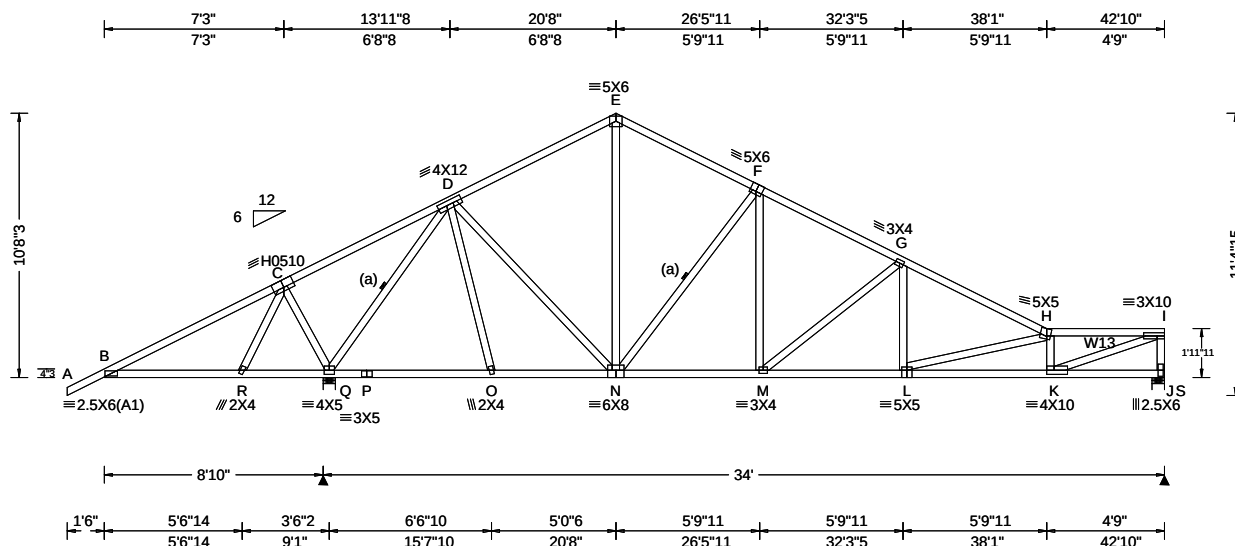
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 363233 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: C21	Cust: R 215 JRef: 1X3Q2150011 T40 DrwNo: 075.21.0936.38193 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 4.28 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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/def L/# VERT(LL): 0.169 L 999 240 VERT(CL): 0.344 L 999 180 HORZ(LL): 0.066 E - - HORZ(TL): 0.144 E - - Creep Factor: 2.0 Max TC CSI: 0.930 Max BC CSI: 0.900 Max Web CSI: 0.919 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Q 2520 -/- /- /1614 /131 /293 S 1390 -/- /- /767 /20 -/ Wind reactions based on MWFRS Q Brg Width = 6.0 Min Req = 3.0 S Brg Width = 6.0 Min Req = 1.6 Bearings Q & S are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 856 -528 F - G 479 -1888 C - D 1127 -694 G - H 588 -2613 D - E 384 -1217 H - I 791 -3230 E - F 411 -1196

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W13 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

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

Wind

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

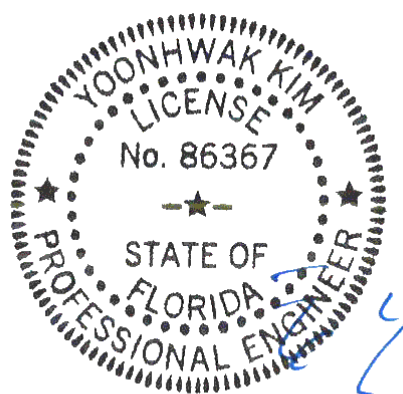
Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-8-3.



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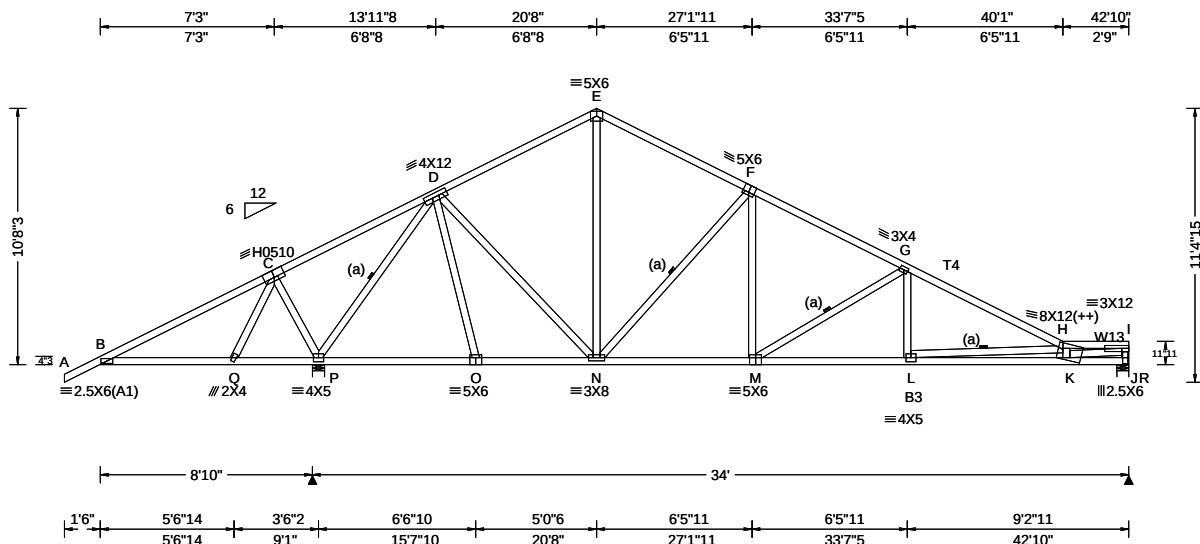
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Suite 305
Orlando FL, 32821

SEQN: 363252 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: C22	Cust: R 215 JRef: 1X3Q2150011 T41 DrwNo: 075.21.0936.35580 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 4.28 ft Loc. from endwall: not in 13.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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/def L/# VERT(LL): 0.199 L 999 240 VERT(CL): 0.402 L 999 180 HORZ(LL): 0.077 E - - HORZ(TL): 0.165 E - - Creep Factor: 2.0 Max TC CSI: 0.933 Max BC CSI: 0.650 Max Web CSI: 0.997 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL P 2522 -/- /- /1611 /134 /299 R 1396 -/- /- /796 /33 -/- Wind reactions based on MWFRS P Brg Width = 6.0 Min Req = 3.0 R Brg Width = 6.0 Min Req = 1.5 Bearings P & R are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 856 -528 F - G 475 -1998 C - D 1126 -694 G - H 592 -2878 D - E 379 -1222 H - I 957 -4273 E - F 402 -1214

Lumber

Top chord: 2x4 SP #2; T4 2x4 SP M-31;
Bot chord: 2x4 SP #2; B3 2x4 SP M-31;
Webs: 2x4 SP #3; W13 2x4 SP M-31;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

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

Loading

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

Wind

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

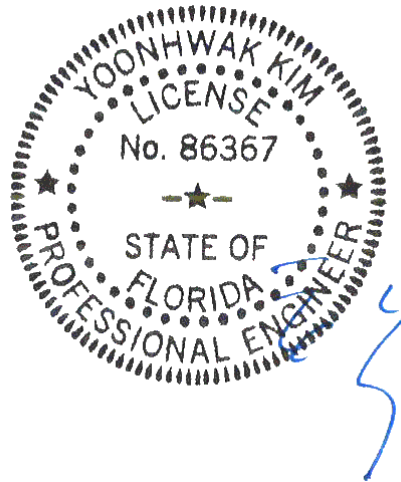
Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-8-3.

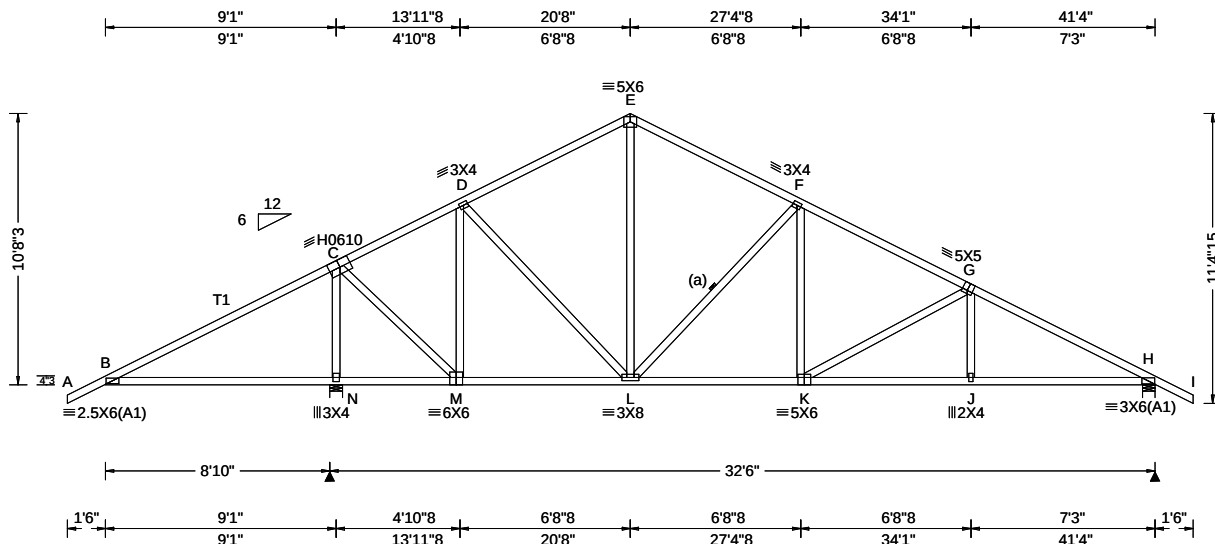


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03/16/2021

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 363219 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: C23	Cust: R 215 JRef: 1X3Q2150011 T55 DrwNo: 075.21.0936.19037 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 4.13 ft Loc. from endwall: not in 13.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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/def L/# VERT(LL): 0.095 K 999 240 VERT(CL): 0.193 K 999 180 HORZ(LL): 0.032 E - - HORZ(TL): 0.069 E - - Creep Factor: 2.0 Max TC CSI: 0.836 Max BC CSI: 0.739 Max Web CSI: 0.978 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL N 2448 - / - / - /1582 /137 /319 H 1451 - / - / - /878 /74 - / - Wind reactions based on MWFRS N Brg Width = 6.0 Min Req = 2.9 H Brg Width = 6.0 Min Req = 1.7 Bearings N & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 1076 -689 E - F 376 -1158 C - D 333 -778 F - G 423 -1838 D - E 352 -1154 G - H 458 -2414

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31;
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.

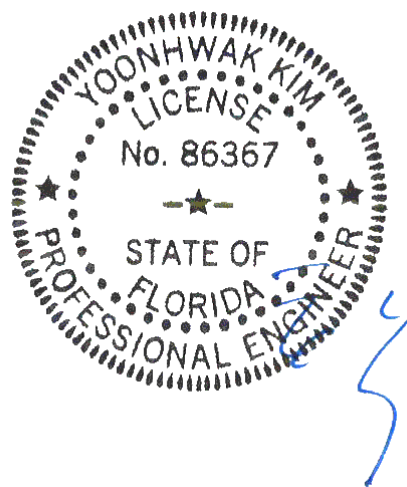
Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-8-3.

THIS TRUSS MUST BE INSTALLED AS SHOWN AND NOT END FOR END.

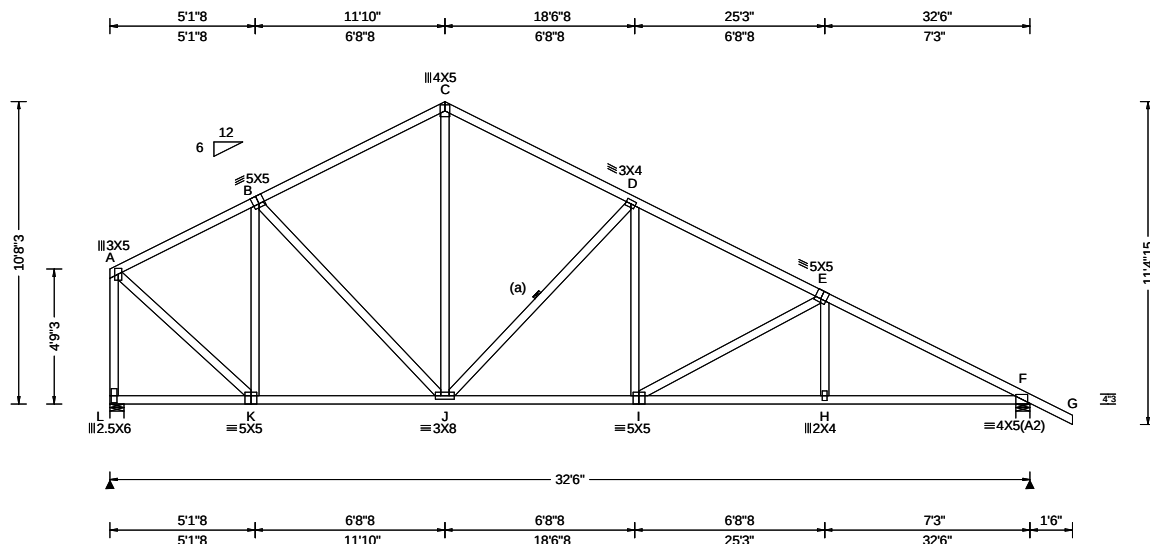


FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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

SEQN: 363220 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: D01	Cust: R 215 JRef: 1X3Q2150011 T36 DrwNo: 075.21.0936.17230 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.13 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): 0.110 I 999 240 VERT(CL): 0.209 I 999 180 HORZ(LL): 0.044 C - - HORZ(TL): 0.083 C - - Creep Factor: 2.0 Max TC CSI: 0.585 Max BC CSI: 0.743 Max Web CSI: 0.650 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity L 1476 /- /- /701 /29 /281 F 1529 /- /- /902 /40 /- Wind reactions based on MWFRS L Brg Width = 6.0 Min Req = 1.7 F Brg Width = 6.0 Min Req = 1.8 Bearings L & 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. A - B 249 -1118 D - E 441 -2010 B - C 376 -1328 E - F 475 -2582 C - D 394 -1330

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

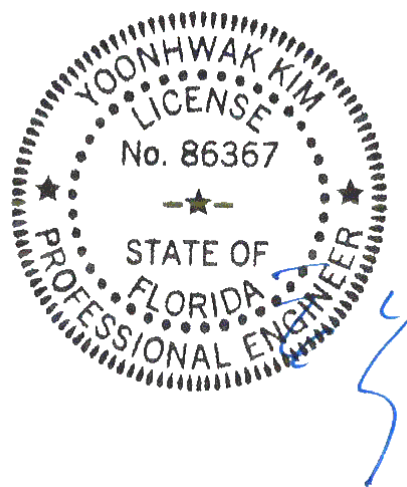
Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10'-8-3/4".

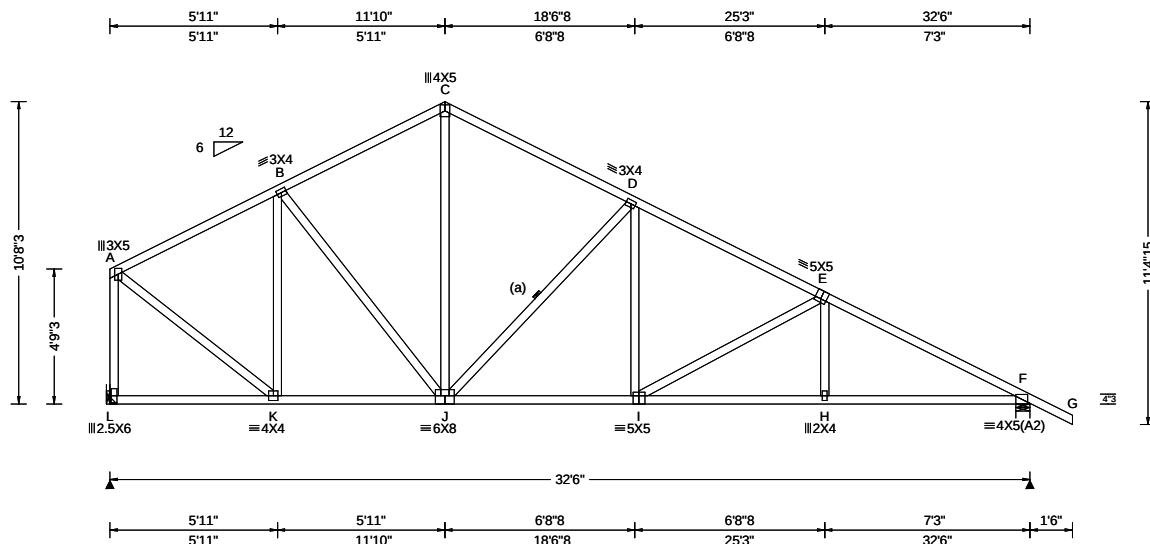


FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 363221 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: D02	Cust: R 215 JRef: 1X3Q2150011 T29 DrwNo: 075.21.0936.13920 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.25 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): 0.111 I 999 240 VERT(CL): 0.210 I 999 180 HORZ(LL): 0.043 C - - HORZ(TL): 0.082 C - - Creep Factor: 2.0 Max TC CSI: 0.590 Max BC CSI: 0.756 Max Web CSI: 0.647 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL L 1467 - / - / - / 701 / 29 / 281 F 1530 - / - / - / 902 / 40 / - Wind reactions based on MWFRS L Brg Width = - Min Req = - F Brg Width = 6.0 Min Req = 1.8 Bearing F 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 268 - 1189 D - E 441 - 2013 B - C 383 - 1316 E - F 475 - 2582 C - D 395 - 1328

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

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

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

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

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

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

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

(14) 0.148"x3" nails into supporting

member,

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

Loading

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

Wind

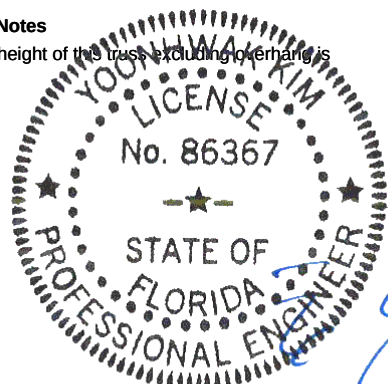
Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss including overhang is 10-8-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
K - J	1021 - 57	I - H	2223 - 301
J - I	1701 - 137	H - F	2226 - 300

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - L	320 - 1427	J - D	253 - 877
A - K	1268 - 227	D - I	519 - 26
K - B	204 - 566	I - E	191 - 583
C - J	732 - 154		

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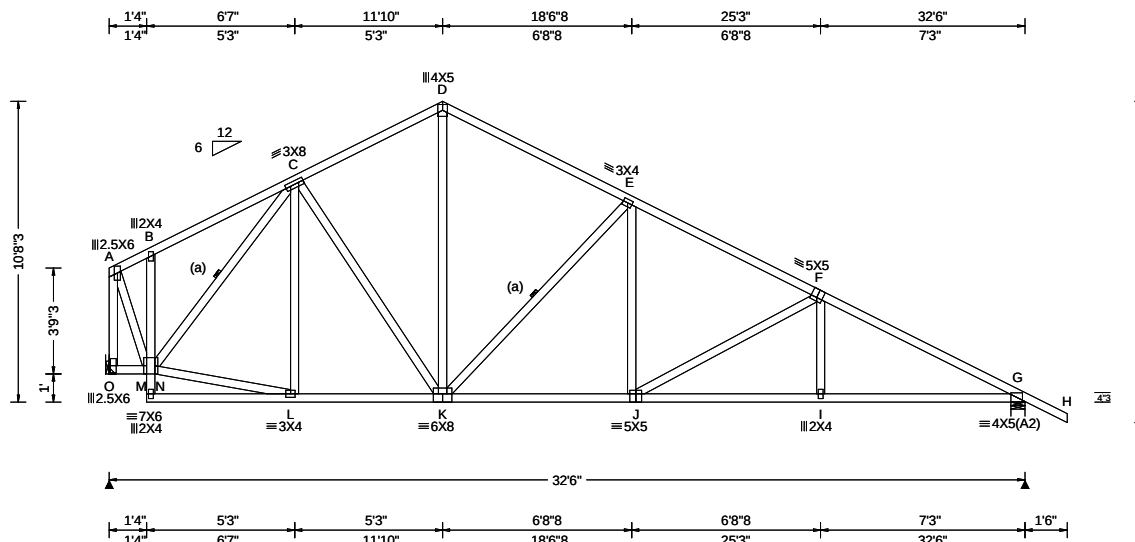
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 363230 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: D03	Cust: R 215 JRef: 1X3Q2150011 T33 DrwNo: 075.21.0936.11420 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.25 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): 0.109 J 999 240 VERT(CL): 0.206 J 999 180 HORZ(LL): 0.042 D - - HORZ(TL): 0.080 D - - Creep Factor: 2.0 Max TC CSI: 0.590 Max BC CSI: 0.760 Max Web CSI: 0.646 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL O 1459 - / - / /703 - / /281 G 1529 - / - / /909 /46 - / - Wind reactions based on MWFRS O Brg Width = - Min Req = - G Brg Width = 6.0 Min Req = 1.8 Bearing G is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 120 -583 D - E 408 -1326 B - C 221 -655 E - F 454 -2012 C - D 397 -1300 F - G 488 -2582

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

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

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

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

Bearing O (0', 10'1"2) HUS26

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

(14) 0.148"x3" nails into supporting

member,

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

Loading

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

Wind

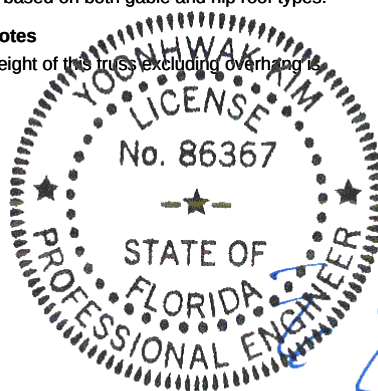
Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 9-8-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
L - K	1031 -27	J - I	2223 -313
K - J	1700 -148	I - G	2225 -311

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - O	279 -1436	D - K	732 -164
A - M	1306 -264	K - E	252 -878
M - L	1036 -27	E - J	520 -26
M - C	169 -828	J - F	191 -582

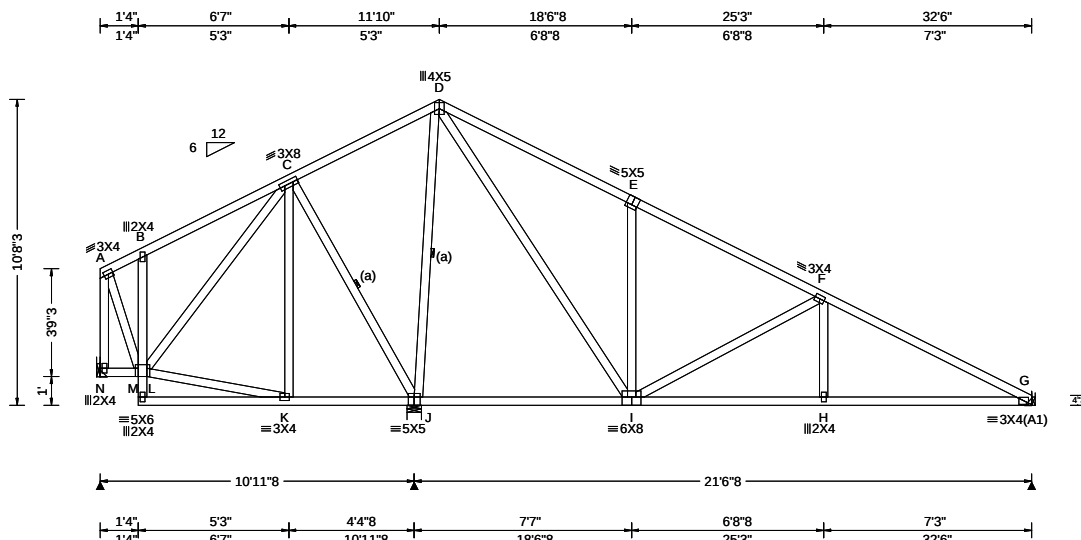
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.041 E 999 240	N	270	/-76	/-	/101	/35	/266
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.078 E 999 180	J	2066	/-	/-	/1007	/18	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.011 D - -	G	744	/-	/-	/482	/37	/-
	EXP: C Kzt: NA		HORZ(TL): 0.022 D - -	Wind reactions based on MWFRS						
Des Ld: 40.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	N	Brg Width = -		Min Req = -			
NCBCLL: 10.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.606	J	Brg Width = 6.0		Min Req = 2.4			
Soffit: 2.00	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.586	G	Brg Width = -		Min Req = -			
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.995	Bearing J is a rigid surface.						
Spacing: 24.0 "	C&C Dist a: 3.25 ft	FT/RT:20(0)/10(0)		Members not listed have forces less than 375#						
	Loc. from endwall: not in 9.00 ft	Plate Type(s):		Maximum Top Chord Forces Per Ply (lbs)						
	GCpi: 0.18	WAVE	VIEW Ver: 20.01.01A.0724.11	Chords	Tens.Comp.		Chords	Tens. Comp.		
	Wind Duration: 1.60									

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

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

Wind

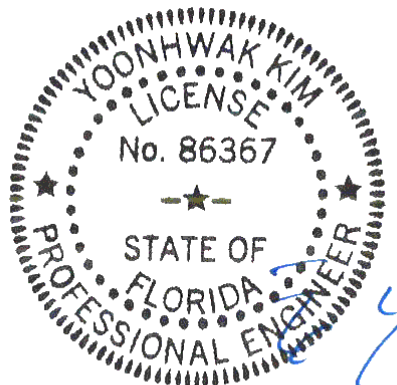
Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 9-8-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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

SEQN: 363239 FROM: CDM Page 2 of 2	SPEC Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: D04	Cust: R 215 JRef: 1X3Q2150011 T3 DrwNo: 075.21.0936.07977 KD / YK 03/16/2021
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Hangers / Ties

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

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

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

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

Bearing N (0', 10'1"2) LUS26

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

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

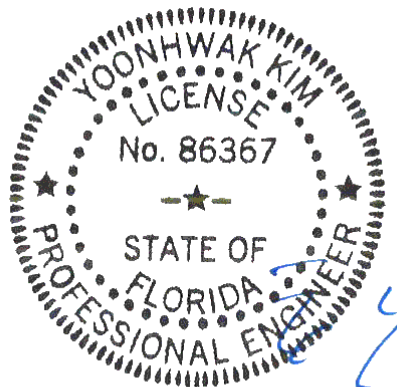
(3) 0.148"x3" nails into supported member.

Bearing G (32'3", 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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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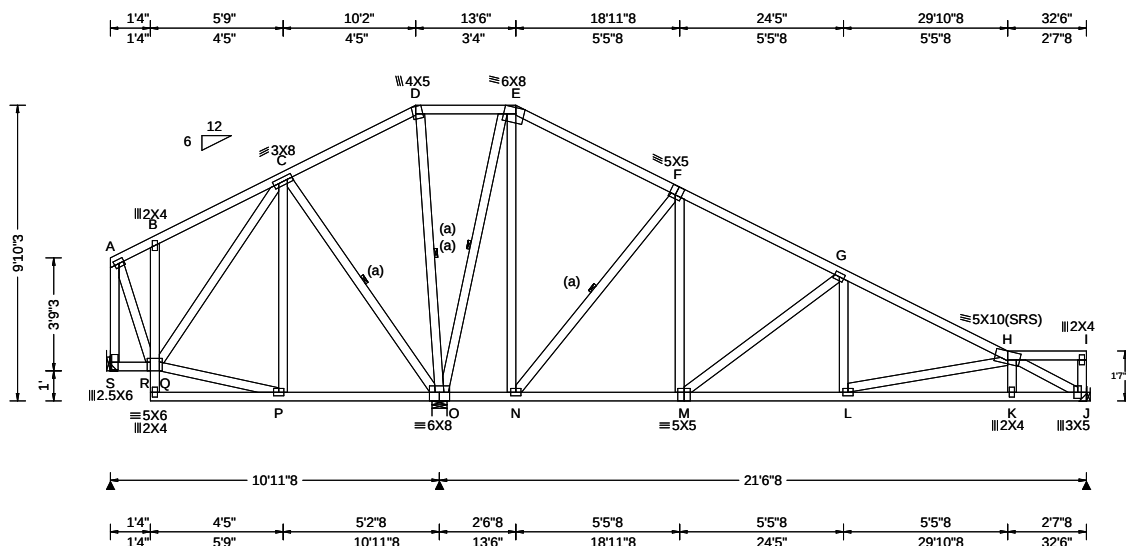
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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Orlando FL, 32821



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)																																		
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	<table><tr><th colspan="3">Gravity</th><th colspan="3">Non-Gravity</th></tr><tr><th>Loc</th><th>R+</th><th>/ R-</th><th>/ Rh</th><th>/ Rw</th><th>/ U</th><th>/ RL</th></tr><tr><td>S</td><td>191</td><td>/-231</td><td>/-</td><td>/70</td><td>/91</td><td>/211</td></tr><tr><td>O</td><td>2234</td><td>/-</td><td>/-</td><td>/1165</td><td>/76</td><td>/-</td></tr><tr><td>J</td><td>663</td><td>/-</td><td>/-</td><td>/392</td><td>/24</td><td>/-</td></tr></table>	Gravity			Non-Gravity			Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	S	191	/-231	/-	/70	/91	/211	O	2234	/-	/-	/1165	/76	/-	J	663	/-	/-	/392	/24	/-
Gravity			Non-Gravity																																			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL																																
S	191	/-231	/-	/70	/91	/211																																
O	2234	/-	/-	/1165	/76	/-																																
J	663	/-	/-	/392	/24	/-																																
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(CL): 0.040 L 999 240	Wind reactions based on MWFRS																																		
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(LL): 0.078 L 999 180	S Brg Width = - Min Req = -																																		
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.010 E - -	O Brg Width = 6.0 Min Req = 2.2																																		
	EXP: C Kzt: NA		HORZ(TL): 0.019 E - -	J Brg Width = - Min Req = -																																		
Des Ld: 40.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	Bearing O is a rigid surface.																																		
NCBCLL: 10.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.483	Members not listed have forces less than 375#																																		
Soffit: 2.00	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.439	Maximum Top Chord Forces Per Ply (lbs)																																		
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.580	<table><tr><th>Chords</th><th>Tens.Comp.</th><th>Chords</th><th>Tens. Comp.</th></tr><tr><td>C - D</td><td>659 -21</td><td>E - F</td><td>384 0</td></tr><tr><td>D - E</td><td>585 0</td><td>G - H</td><td>183 -862</td></tr></table>	Chords	Tens.Comp.	Chords	Tens. Comp.	C - D	659 -21	E - F	384 0	D - E	585 0	G - H	183 -862																						
Chords	Tens.Comp.	Chords	Tens. Comp.																																			
C - D	659 -21	E - F	384 0																																			
D - E	585 0	G - H	183 -862																																			
Spacing: 24.0 "	C&C Dist a: 3.25 ft	FT/RT:20(0)/10(0)		Maximum Bot Chord Forces Per Ply (lbs)																																		
	Loc. from endwall: not in 9.00 ft	Plate Type(s):	VIEW Ver: 20.01.01A.0724.11	<table><tr><th>Chords</th><th>Tens.Comp.</th><th>Chords</th><th>Tens. Comp.</th></tr><tr><td>M - L</td><td>697 -96</td><td>K - J</td><td>1137 -290</td></tr><tr><td>L - K</td><td>1129 -295</td><td></td><td></td></tr></table>	Chords	Tens.Comp.	Chords	Tens. Comp.	M - L	697 -96	K - J	1137 -290	L - K	1129 -295																								
Chords	Tens.Comp.	Chords	Tens. Comp.																																			
M - L	697 -96	K - J	1137 -290																																			
L - K	1129 -295																																					
	GCpi: 0.18	WAVE																																				
	Wind Duration: 1.60																																					

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

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.

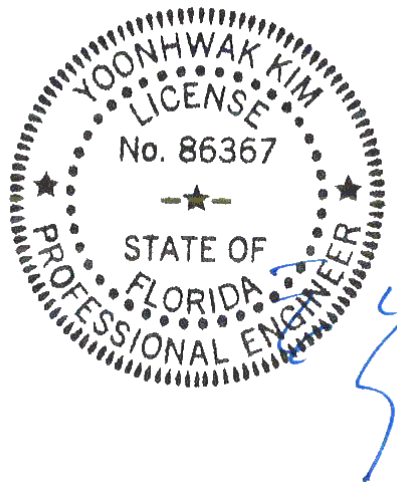
End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -231# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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SEQN: 363266 FROM: CDM Page 2 of 2	SPEC Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: D05	Cust: R 215 JRef: 1X3Q2150011 T56 DrwNo: 075.21.0936.03480 KD / YK 03/16/2021
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Hangers / Ties

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

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

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

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

Bearing S (0', 10'1"2) LUS26

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

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

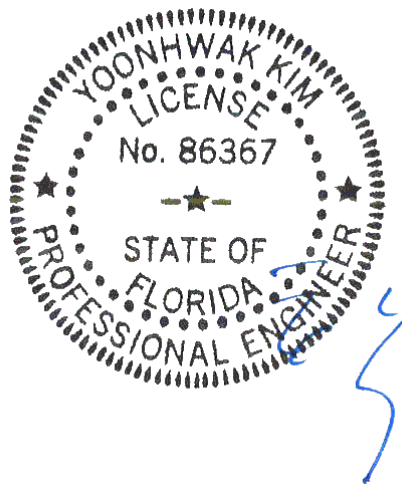
(3) 0.148"x3" nails into supported member.

Bearing J (32'3", 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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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Lumber Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;						
	C - D	393	0	G - H	348	-1068
	F - G	242	-789	H - I	198	-568
Bracing (a) Continuous lateral restraint equally spaced on member.	Maximum Bot Chord Forces Per Ply (lbs)					
	Chords	Tens. Comp.		Chords	Tens. Comp.	
	N - M	623	-108	L - K	488	-156
	M - L	1121	-336			

Loading		A - R 379 - 131	F - M 413 - 28
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.		B - R 315 - 489	M - G 256 - 520
		R - C 407 - 170	G - L 198 - 430
Wind		C - P 199 - 684	L - H 780 - 210
Wind loads based on MWFRS with additional C&C member design.		P - D 473 - 1114	K - I 645 - 206
	D - N 943 - 276	H - K 145 - 392	
	N - F 263 - 722	I - J 247 - 719	

Additional Notes
The overall height of this truss excluding overhang is 7-10-3.

FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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SEQN: 363297 FROM: CDM Page 2 of 2	SPEC Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: D06	Cust: R 215 JRef: 1X3Q2150011 T52 DrwNo: 075.21.0935.58383 KD / YK 03/16/2021
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Hangers / Ties

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

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

Bearing T (0', 10'1"2) LUS26

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

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

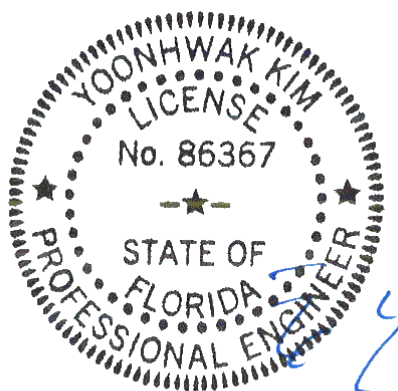
(3) 0.148"x3" nails into supported member.

Bearing J (32'3", 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.



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03/16/2021

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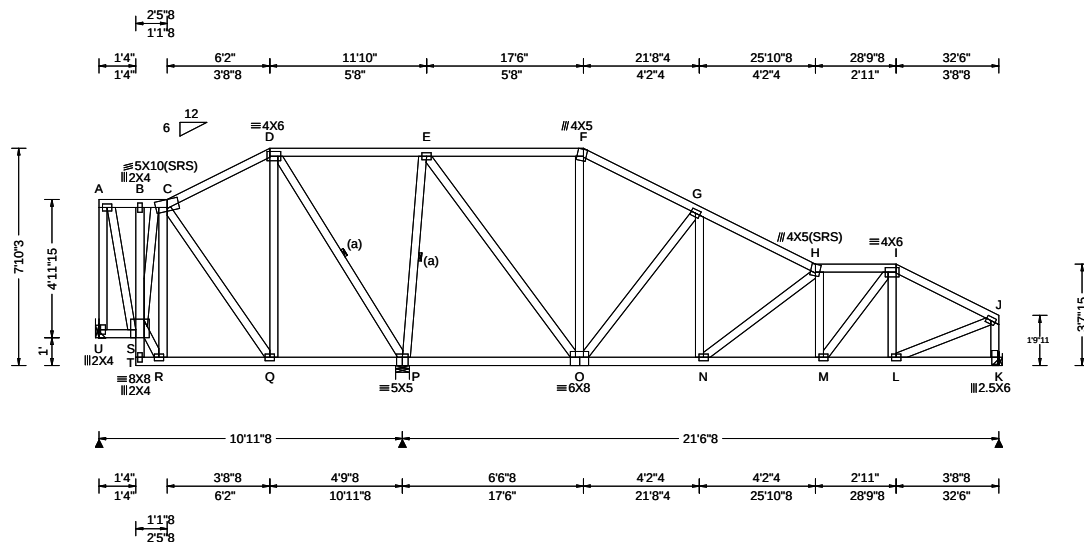
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SEQN: 363249 FROM: CDM Page 1 of 2	SPEC Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: D07	Cust: R 215 JRef: 1X3Q2150011 T38 DrwNo: 075.21.0935.49283 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.25 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): 0.032 N 999 240 VERT(CL): 0.062 N 999 180 HORZ(LL): 0.006 E - - HORZ(TL): 0.013 I - - Creep Factor: 2.0 Max TC CSI: 0.647 Max BC CSI: 0.367 Max Web CSI: 0.514 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL U 309 /-6 /- /112 /44 /155 P 1930 /- /- /938 /154 /- K 763 /- /- /466 /35 /- Non-Gravity Wind reactions based on MWFRS U Brg Width = - Min Req = - P Brg Width = 6.0 Min Req = 2.3 K Brg Width = - Min Req = - Bearing P 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.

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

Loading

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

Wind

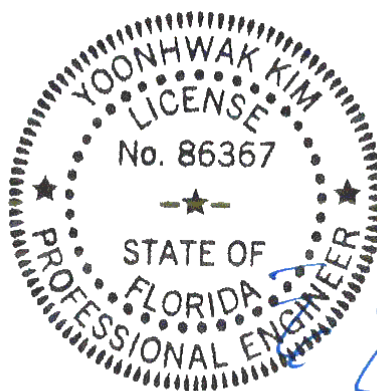
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 6'-10-3/8".



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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SEQN: 363249 FROM: CDM Page 2 of 2	SPEC Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: D07	Cust: R 215 JRef: 1X3Q2150011 T38 DrwNo: 075.21.0935.49283 KD / YK 03/16/2021
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Bearing at location x=0' uses the following support conditions: 0'

Bearing U (0', 10'1"2) LUS26

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

(4) 0.148"x3" nails into supporting

member,

(3) 0.148"x3" nails into supported

member.

Bearing K (32'3", 9'1"2) LUS26

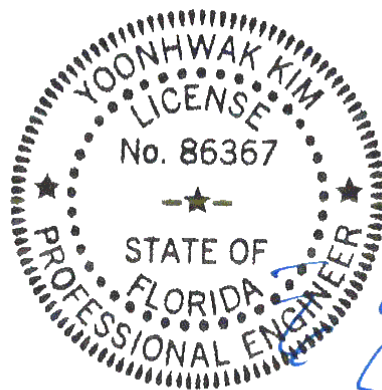
Supporting Member: (2)2x6 SP 2400f-2.0E

(4) 0.148"x3" nails into supporting

member,

(3) 0.148"x3" nails into supported

member.



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03/16/2021

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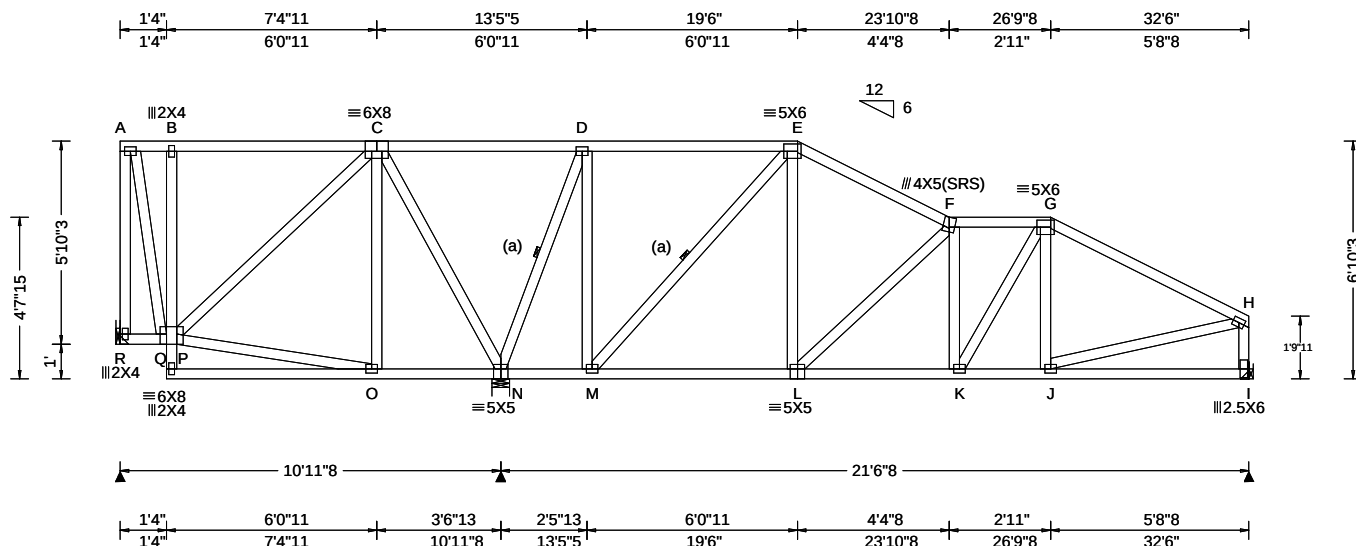
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Orlando FL, 32821



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.25 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): 0.032 F 999 240 VERT(CL): 0.063 F 999 180 HORZ(LL): 0.007 I - - HORZ(TL): 0.014 I - - Creep Factor: 2.0 Max TC CSI: 0.606 Max BC CSI: 0.413 Max Web CSI: 0.762 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL R 301 - / - /113 /81 /176 N 1772 - / - /902 /298 - I 802 - / - /476 /120 - Non-Gravity Wind reactions based on MWFRS R Brg Width = - Min Req = - N Brg Width = 6.0 Min Req = 2.1 I Brg Width = - Min Req = - Bearing N 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.

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

Loading

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

Wind

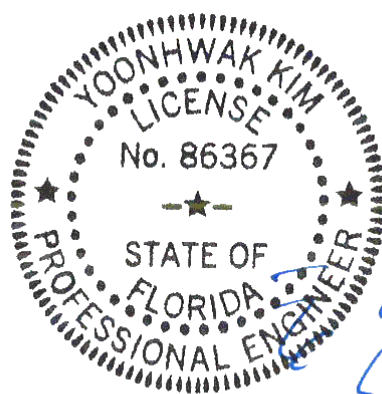
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 5'-10".



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 363242 FROM: CDM Page 2 of 2	SPEC Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: D09	Cust: R 215 JRef: 1X3Q2150011 T21 DrwNo: 075.21.0935.41813 KD / YK 03/16/2021
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Hangers / Ties

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

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

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

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

Bearing R (0', 10'1"2) LUS26

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

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

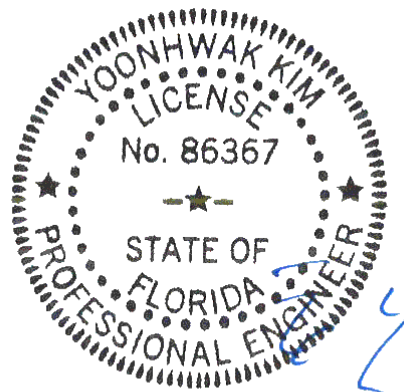
(3) 0.148"x3" nails into supported member.

Bearing I (32'3", 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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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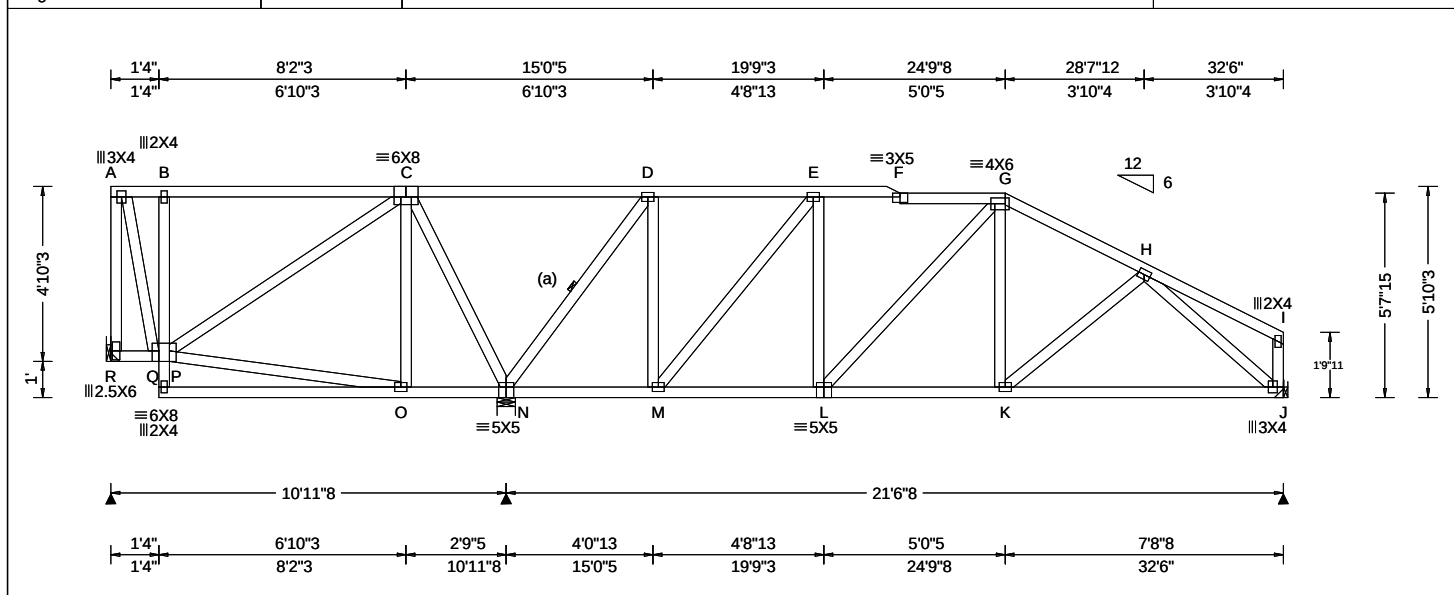
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6750 Forum Drive
Suite 305
Orlando FL, 32821



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)			Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity						
TCDL: 10.00	Speed: 130 mph	Pf: NA		Ce: NA	VERT(LL): 0.060 F 999 240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA	Cs: NA		VERT(CL): 0.125 F 999 180	R	330	/-	/-	/128	/102	/135
BCDL: 10.00	Risk Category: II	Snow Duration: NA			HORZ(LL): 0.010 J - -	N	1648	/-	/-	/837	/70	/-
Des Ld: 40.00	EXP: C Kzt: NA				HORZ(TL): 0.020 J - -	J	792	/-	/-	/476	/15	/-
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:			Creep Factor: 2.0	Wind reactions based on MWFRS						
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.			Max TC CSI: 0.726	R	Brg Width = -				Min Req = -	
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014			Max BC CSI: 0.626	N	Brg Width = 6.0				Min Req = 1.9	
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes			Max Web CSI: 0.573	J	Brg Width = -				Min Req = -	
	C&C Dist a: 3.25 ft	FT/RT:20(0)/10(0)				Bearing N is a rigid surface.						
	Loc. from endwall: not in 9.00 ft	Plate Type(s):				Members not listed have forces less than 375#						
	GCpi: 0.18	WAVE			VIEW Ver: 20.01.01A.0724.11	Maximum Top Chord Forces Per Ply (lbs)						
	Wind Duration: 1.60					Chords Tens.Comp. Chords Tens. Comp.						

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

Wind

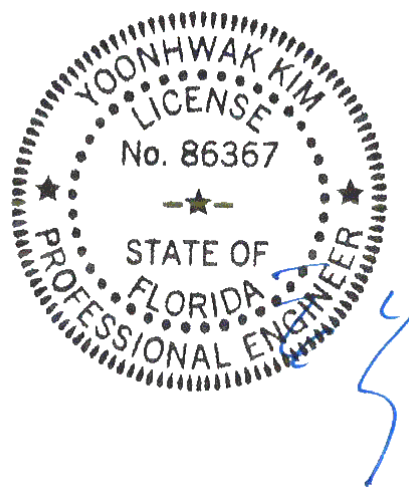
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
 03/16/2021

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SEQN: 363244 FROM: CDM Page 2 of 2	SPEC Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: D10	Cust: R 215 JRef: 1X3Q2150011 T53 DrwNo: 075.21.0935.38607 KD / YK 03/16/2021
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Hangers / Ties

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

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

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

Bearing R (0', 10'1"2) LUS26

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

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

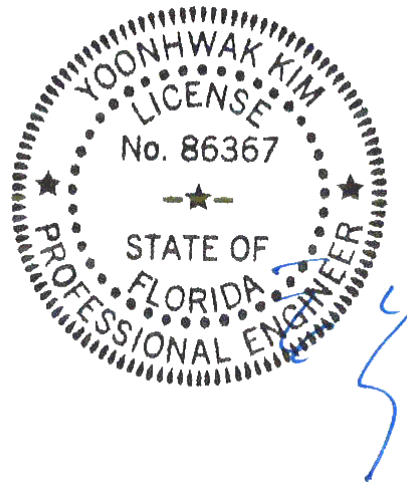
(3) 0.148"x3" nails into supported member.

Bearing J (32'3", 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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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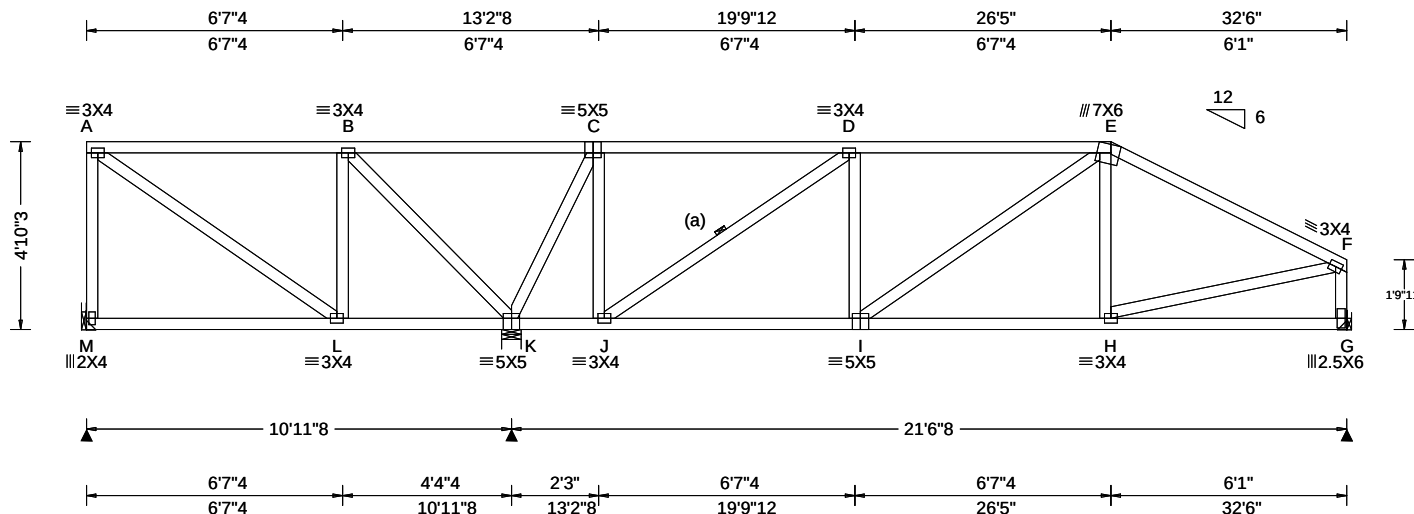
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Suite 305
Orlando FL, 32821



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.25 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): 0.028 I 999 240 VERT(CL): 0.059 I 999 180 HORZ(LL): 0.008 G - - HORZ(TL): 0.017 G - - Creep Factor: 2.0 Max TC CSI: 0.813 Max BC CSI: 0.505 Max Web CSI: 0.607 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL M 321 /- /- /122 /70 /107 K 1662 /- /- /841 /311 /- G 790 /- /- /461 /127 /- Wind reactions based on MWFRS M Brg Width = - Min Req = - K Brg Width = 6.0 Min Req = 2.0 G Brg Width = - Min Req = - Bearing K is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

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

Bracing

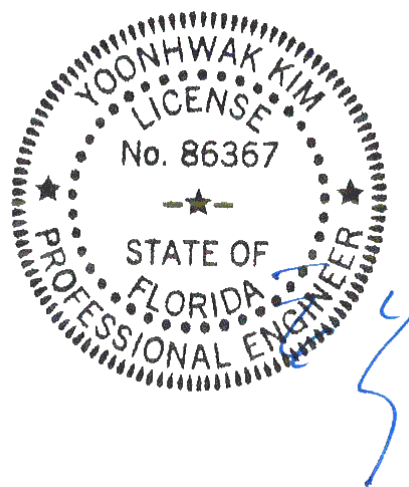
(a) Continuous lateral restraint equally spaced on member.

Wind

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

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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SEQN: 363253 FROM: CDM Page 2 of 2	HIPM Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: D11	Cust: R 215 JRef: 1X3Q2150011 T13 DrwNo: 075.21.0935.34650 KD / YK 03/16/2021
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Hangers / Ties

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

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

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

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

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

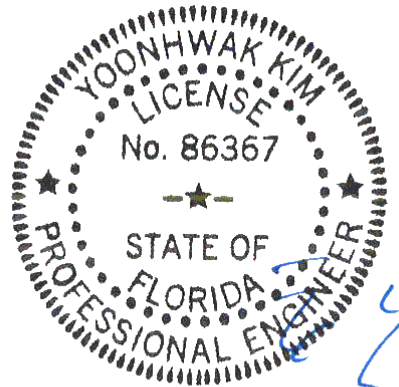
(3) 0.148"x3" nails into supported member.

Bearing G (32'3", 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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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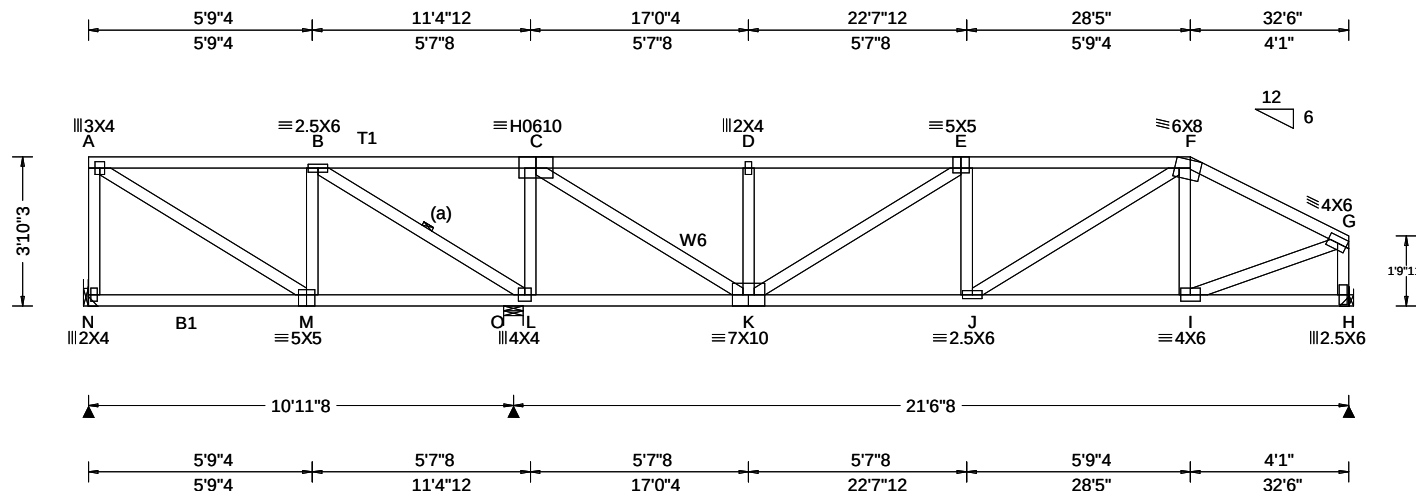
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Orlando FL, 32821



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.25 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: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/def L/# VERT(LL): 0.111 E 999 240 VERT(CL): 0.223 E 999 180 HORZ(LL): 0.017 C - - HORZ(TL): 0.034 C - - Creep Factor: 2.0 Max TC CSI: 0.928 Max BC CSI: 0.884 Max Web CSI: 0.813 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL N 697 /- /- /- /151 /- O 3926 /- /- /- /894 /- H 1846 /- /- /- /412 /- Non-Gravity Wind reactions based on MWFRS N Brg Width = - Min Req = - O Brg Width = 6.0 Min Req = 3.3 H Brg Width = - Min Req = - Bearing O 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.

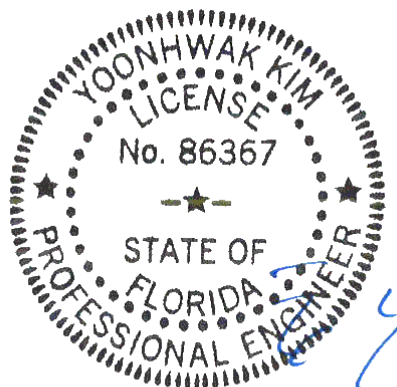
Lumber
Top chord: 2x4 SP #2; T1 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B1 2x4 SP #2;
Webs: 2x4 SP #3; W6 2x4 SP #2;

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

Special Loads
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 31 plf at 0.00 to 31 plf at 30.35
TC: From 62 plf at 30.35 to 62 plf at 32.50
BC: From 10 plf at 0.00 to 10 plf at 30.35
BC: From 20 plf at 30.35 to 20 plf at 32.50
TC: 187 lb Conc. Load at 1.65, 3.65, 5.65, 7.65
9.65,11.00,12.35,14.35,16.35,18.35,20.35,22.35
24.35,26.35,28.35
TC: 64 lb Conc. Load at 30.35
BC: 129 lb Conc. Load at 1.65, 3.65, 5.65, 7.65
9.65,11.00,12.35,14.35,16.35,18.35,20.35,22.35
24.35,26.35,28.35
BC: 208 lb Conc. Load at 30.35

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.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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SEQN: 363267 FROM: CDM Page 2 of 2	HIPM Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: D12	Cust: R 215 JRef: 1X3Q2150011 T49 DrwNo: 075.21.0935.30267 KD / YK 03/16/2021
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Hangers / Ties

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

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

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

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

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

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

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

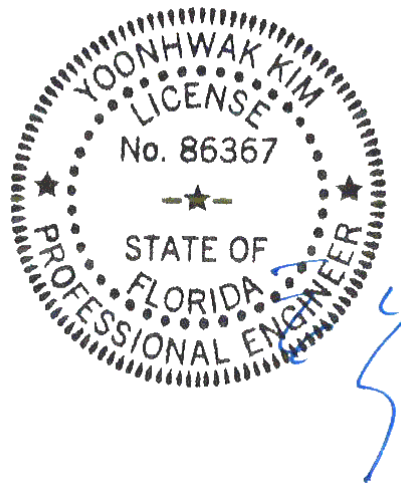
(3) 0.148"x3" nails into supported member.

Bearing H (32'3", 9'1"2) HUS26

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

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

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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

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

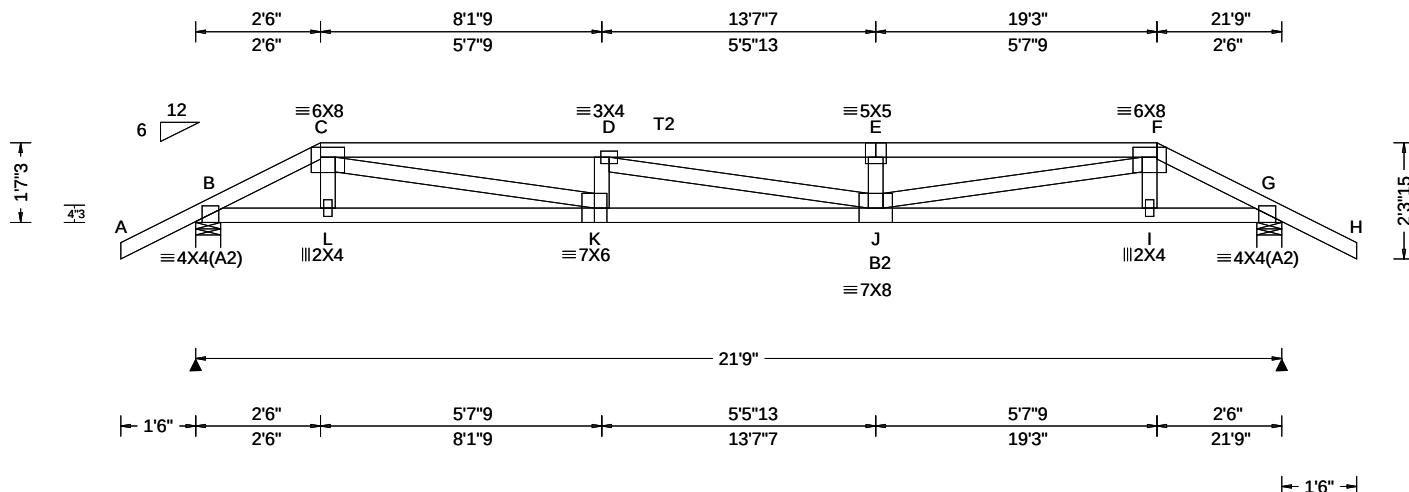
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

SEQN: 363308 FROM: CDM	HIPS Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: G01	Cust: R 215 JRef: 1X3Q2150011 T62 DrwNo: 075.21.0935.15330 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.283 E 910 240 VERT(CL): 0.564 E 456 180 HORZ(LL): 0.042 C - - HORZ(TL): 0.084 C - - Creep Factor: 2.0 Max TC CSI: 0.811 Max BC CSI: 0.726 Max Web CSI: 0.933 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1235 - / - / - / 309 - / - G 1235 - / - / - / 309 - / - Wind reactions based on MWFRS B Brg Width = 6.0 Min Req = 1.5 G Brg Width = 6.0 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 515 - 2123 E - F 997 - 4291 C - D 986 - 4257 F - G 522 - 2150 D - E 997 - 4291

Lumber

Top chord: 2x4 SP #2; T2 2x4 SP M-31;
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;
Webs: 2x4 SP #3;

Special Loads

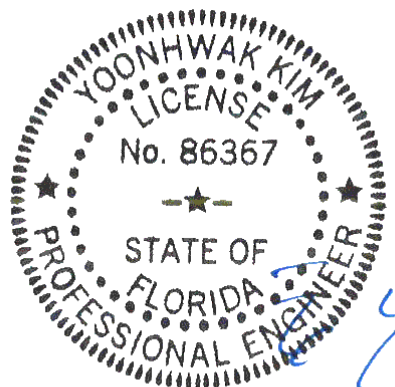
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 62 plf at -1.50 to 62 plf at 2.50
TC: From 31 plf at 2.50 to 31 plf at 19.25
TC: From 62 plf at 19.25 to 62 plf at 23.25
BC: From 4 plf at -1.50 to 4 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 2.53
BC: From 10 plf at 2.53 to 10 plf at 19.22
BC: From 20 plf at 19.22 to 20 plf at 21.75
BC: From 4 plf at 21.75 to 4 plf at 23.25
TC: 73 lb Conc. Load at 2.53, 19.22
TC: 43 lb Conc. Load at 4.56, 17.19
TC: 67 lb Conc. Load at 6.56, 8.56, 10.56, 11.19
13.19, 15.19
BC: 93 lb Conc. Load at 2.53, 19.22
BC: 39 lb Conc. Load at 4.56, 17.19
BC: 45 lb Conc. Load at 6.56, 8.56, 10.56, 11.19
13.19, 15.19

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 1-7-3.



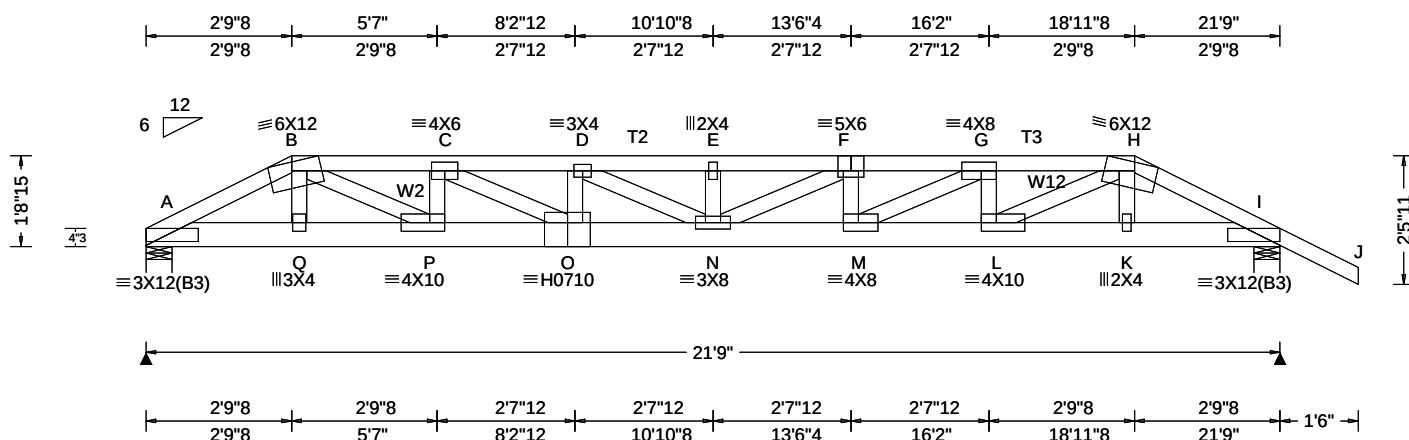
FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

****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 these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 363305 FROM: CDM	HIPS Ply: 2 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: G02	Cust: R 215 JRef: 1X3Q2150011 T51 DrwNo: 075.21.0926.35380 KD / YK 03/16/2021
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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: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/def L/# VERT(LL): 0.402 E 639 240 VERT(CL): 0.794 E 324 180 HORZ(LL): 0.066 B - - HORZ(TL): 0.129 B - - Creep Factor: 2.0 Max TC CSI: 0.618 Max BC CSI: 0.727 Max Web CSI: 0.945 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL A 5023 - / - / - / 575 - / - I 3858 - / - / - / 647 - / - Non-Gravity Wind reactions based on MWFRS A Brg Width = 6.0 Min Req = 2.1 I Brg Width = 6.0 Min Req = 1.6 Bearings A & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

Top chord: 2x4 SP #2; T2,T3 2x4 SP M-31;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W2,W12 2x4 SP #2;

Nailnote

Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 4.50" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails
in each row to avoid splitting.

Special Loads

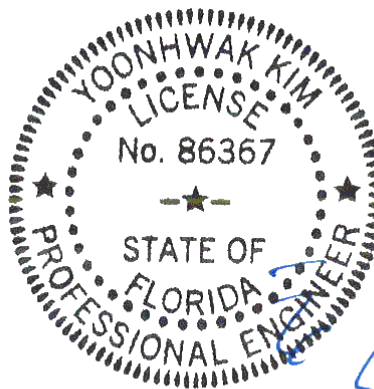
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 62 plf at 0.00 to 62 plf at 23.25
BC: From 10 plf at 0.00 to 10 plf at 14.69
BC: From 20 plf at 14.69 to 20 plf at 21.75
BC: From 4 plf at 21.75 to 4 plf at 23.25
BC: 744 lb Conc. Load at 0.69
BC: 663 lb Conc. Load at 2.69
BC: 735 lb Conc. Load at 4.69
BC: 763 lb Conc. Load at 6.69
BC: 802 lb Conc. Load at 8.69
BC: 792 lb Conc. Load at 10.69
BC: 790 lb Conc. Load at 12.69
BC: 1846 lb Conc. Load at 14.69

Wind

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

Additional Notes

The overall height of this truss excluding overhang is
1-8-15.



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - Q	4102 -495	N - M	9124 -1416
Q - P	4155 -496	M - L	6913 -1115
P - O	7203 -923	L - K	3435 -548
O - N	8986 -1225	K - I	3437 -550

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B - Q	489 -16	D - N	604 -152
B - P	3179 -433	N - F	448 0
P - C	198 -1057	M - G	2481 -349
C - O	1967 -324	G - L	210 -1327
O - D	107 -397	L - H	3599 -588

FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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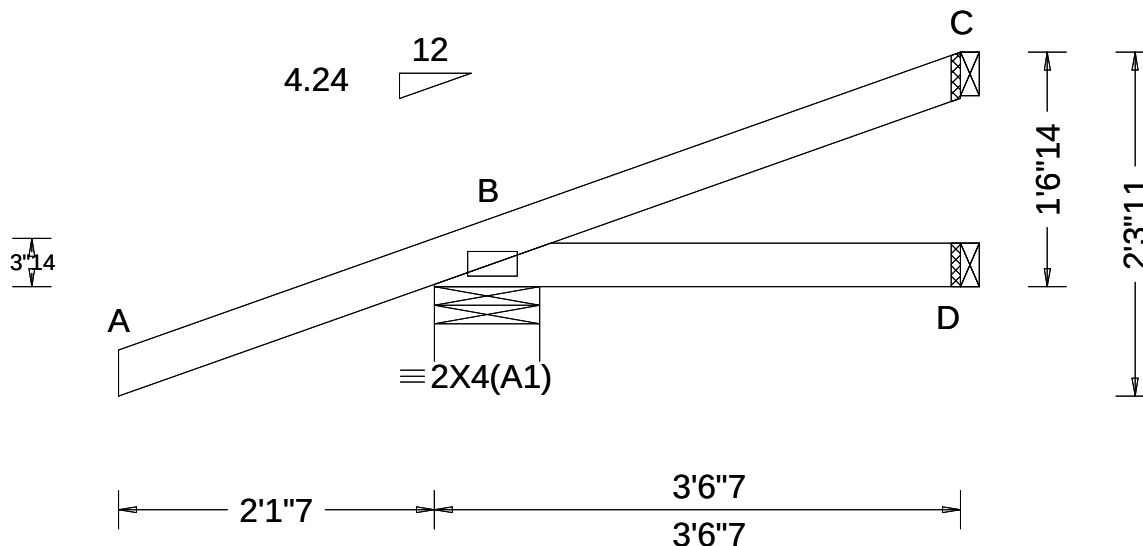
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBICA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 363264 FROM: CDM	HIP_	Ply: 1 Qty: 2	Job Number: 20-4810B Menendez Res Truss Label: HJ01	Cust: R 215 JRef: 1X3Q2150011 T61 DrwNo: 075.21.0926.18703 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any 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): NA VERT(CL): NA HORZ(LL): -0.002 D - - HORZ(TL): 0.002 D - - Creep Factor: 2.0 Max TC CSI: 0.138 Max BC CSI: 0.089 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 186 /- /- /- /111 /- D 54 /-8 /- /- /17 /- C 30 /-16 /- /- /26 /- Wind reactions based on MWFRS B Brg Width = 8.5 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;

Special Loads

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

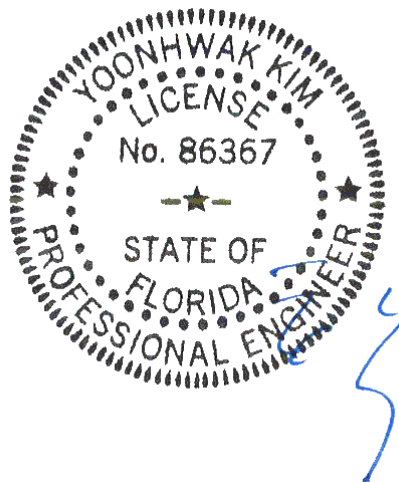
TC: From -0 plf at -2.12 to 61 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 3.54
BC: From 0 plf at -2.12 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 3.54
TC: -41 lb Conc. Load at 1.48
BC: 8 lb Conc. Load at 1.48

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 1'-6-14.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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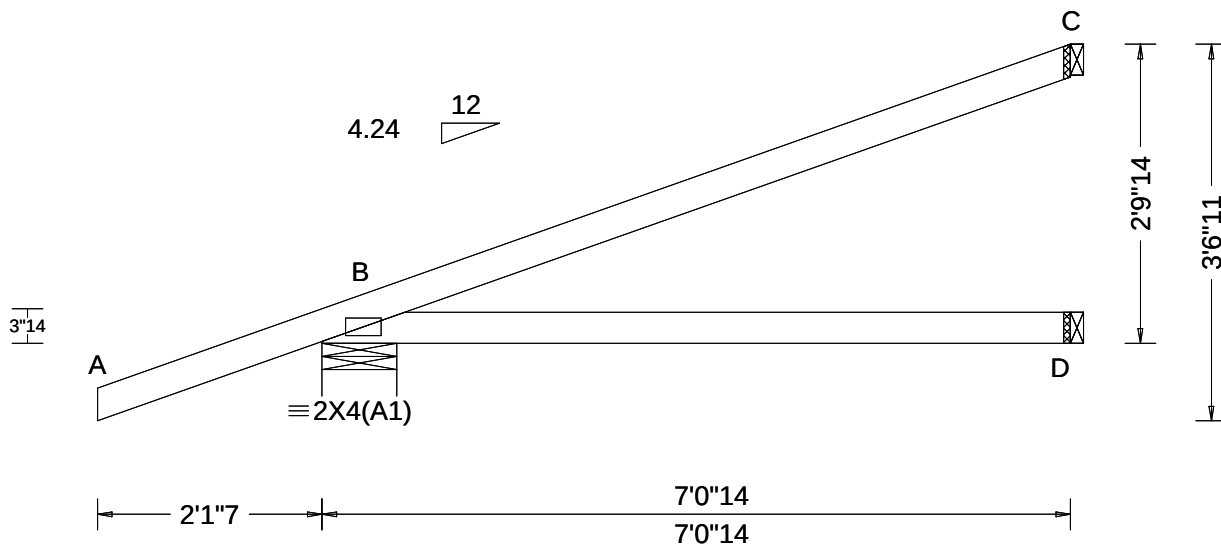
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 363263 FROM: CDM	HIP_	Ply: 1 Qty: 2	Job Number: 20-4810B Menendez Res Truss Label: HJ02	Cust: R 215 JRef: 1X3Q2150011 T50 DrwNo: 075.21.0926.11793 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): NA VERT(CL): NA HORZ(LL): -0.011 D - - HORZ(TL): 0.023 D - - Creep Factor: 2.0 Max TC CSI: 0.539 Max BC CSI: 0.490 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 284 /- /- /- /154 /- D 126 /- /- /- /8 /- C 77 /- /- /- /43 /- Wind reactions based on MWFRS B Brg Width = 8.5 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;

Special Loads

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

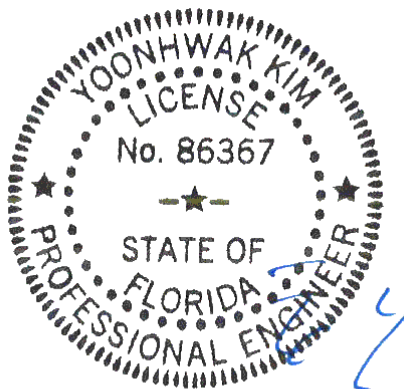
TC: From -0 plf at -2.12 to 61 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 7.07
BC: From 0 plf at -2.12 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 7.07
TC: -41 lb Conc. Load at 1.48
TC: 124 lb Conc. Load at 4.31
BC: 8 lb Conc. Load at 1.48
BC: 98 lb Conc. Load at 4.31

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 2-9-14.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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

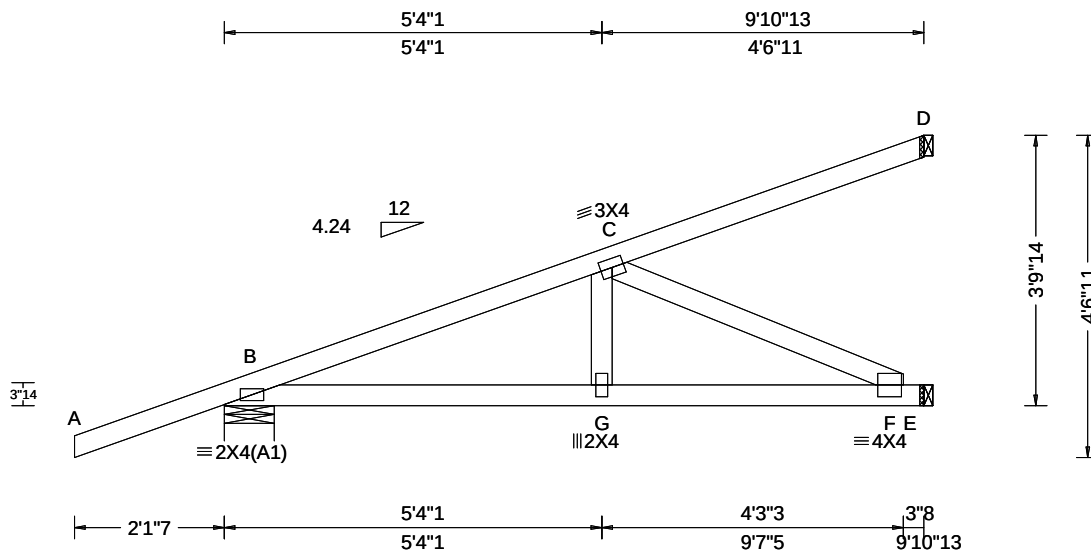
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 363260 FROM: CDM	HIP_	Ply: 1 Qty: 2	Job Number: 20-4810B Menendez Res Truss Label: HJ03	Cust: R 215 JRef: 1X3Q2150011 T23 DrwNo: 075.21.0926.04343 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.022 G 999 240 VERT(CL): 0.044 G 999 180 HORZ(LL): 0.005 F - - HORZ(TL): 0.010 F - - Creep Factor: 2.0 Max TC CSI: 0.554 Max BC CSI: 0.649 Max Web CSI: 0.324 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL B 368 -/- /- /197 -/ E 338 -/- /- /78 -/ D 76 -/- /- /27 -/ Wind reactions based on MWFRS B Brg Width = 8.5 Min Req = 1.5 E Brg Width = 1.5 Min Req = - D Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.

Lumber

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

Special Loads

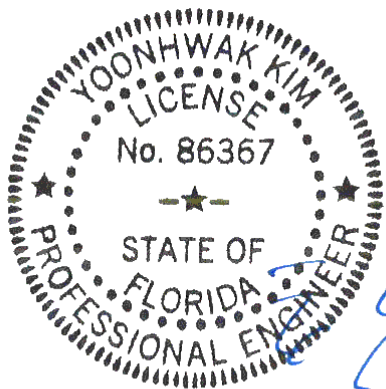
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From -0 plf at -2.12 to 61 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 9.90
BC: From 0 plf at -2.12 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 9.90
TC: -41 lb Conc. Load at 1.48
TC: 124 lb Conc. Load at 4.31
TC: 255 lb Conc. Load at 7.13
BC: 8 lb Conc. Load at 1.48
BC: 98 lb Conc. Load at 4.31
BC: 179 lb Conc. Load at 7.13

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 3-9-14.

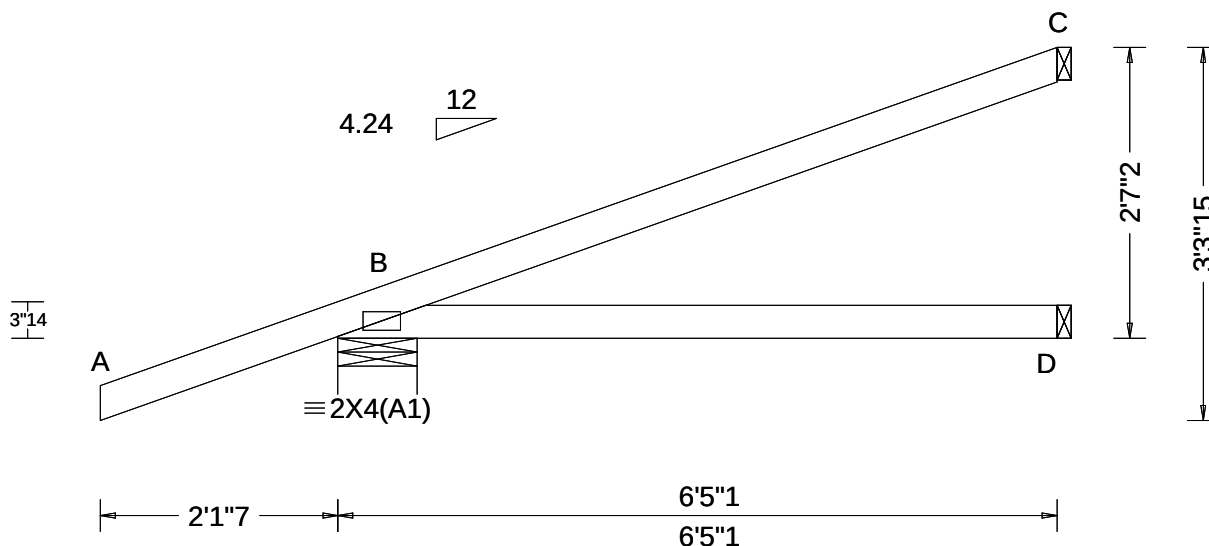


FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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

SEQN: 363261 FROM: CDM	HIP_	Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: HJ04	Cust: R 215 JRef: 1X3Q2150011 T20 DrwNo: 075.21.0911.44597 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): NA VERT(CL): NA HORZ(LL): -0.009 D - - HORZ(TL): 0.016 D - - Creep Factor: 2.0 Max TC CSI: 0.447 Max BC CSI: 0.394 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 265 /- /- /- /148 /- D 113 /- /- /- /7 /- C 77 /- /- /- /49 /- Wind reactions based on MWFRS B Brg Width = 8.5 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;

Special Loads

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

TC: From 0 plf at -2.12 to 61 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 6.42
BC: From 0 plf at -2.12 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 6.42
TC: -41 lb Conc. Load at 1.48
TC: 124 lb Conc. Load at 4.31
BC: 8 lb Conc. Load at 1.48
BC: 98 lb Conc. Load at 4.31

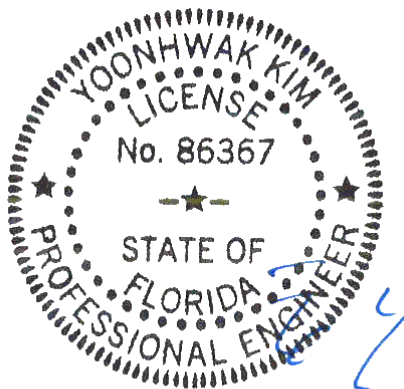
Wind

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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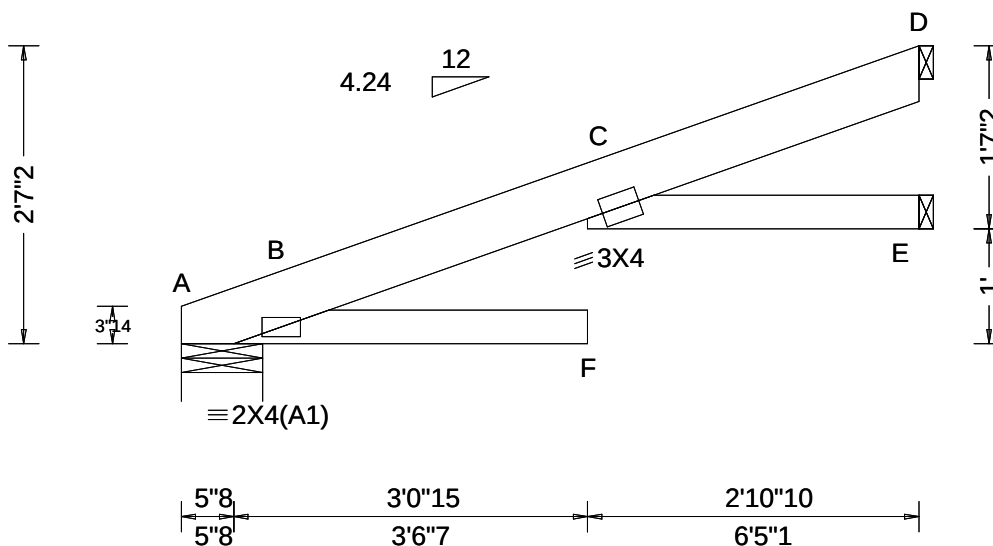
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 363262 FROM: CDM	HIP_ Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: HJ05	Cust: R 215 JRef: 1X3Q2150011 T16 DrwNo: 075.21.0911.35710 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.047 F 999 240 VERT(CL): 0.148 F 472 180 HORZ(LL): -0.009 E - - HORZ(TL): 0.022 E - - Creep Factor: 2.0 Max TC CSI: 0.115 Max BC CSI: 0.238 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 197 /- /- /- /125 /- E 57 /- /- /1 /- /- D 121 /- /- /- /47 /- Wind reactions based on MWFRS A Brg Width = 8.5 Min Req = 1.5 E Brg Width = 1.5 Min Req = - D 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;

Special Loads

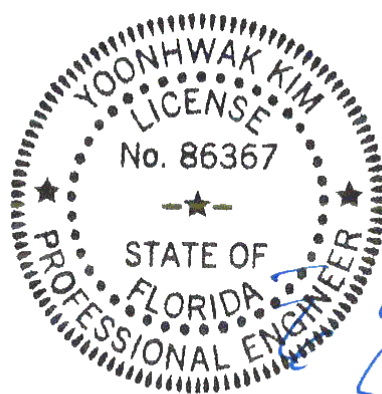
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 2 plf at 0.00 to 2 plf at 6.42
BC: From 2 plf at 0.46 to 2 plf at 6.42
TC: -41 lb Conc. Load at 1.48
TC: 154 lb Conc. Load at 4.31
BC: 8 lb Conc. Load at 1.48
BC: 28 lb Conc. Load at 4.31

Wind

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

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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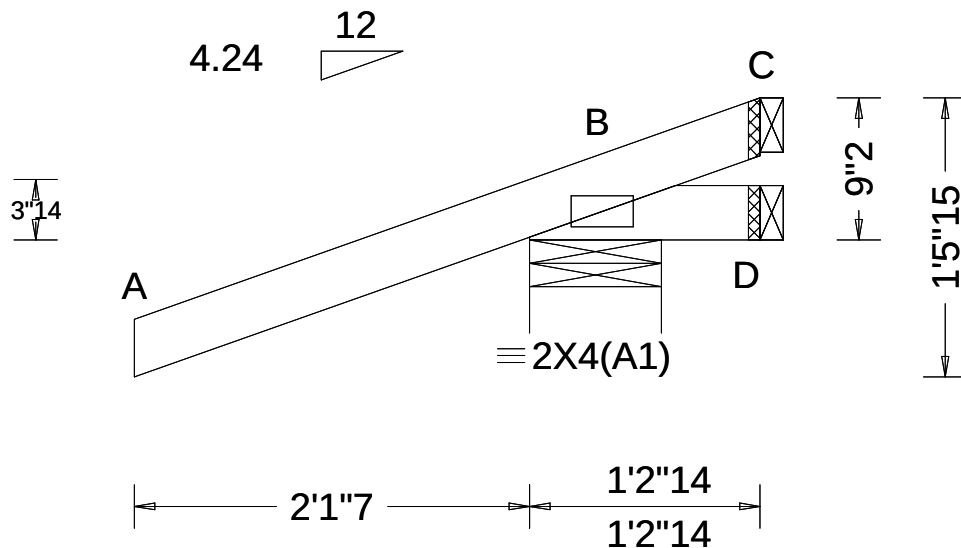
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ALPINE
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 363265 FROM: CDM	HIP_	Ply: 1 Qty: 2	Job Number: 20-4810B Menendez Res Truss Label: HJ06	Cust: R 215 JRef: 1X3Q2150011 T60 DrwNo: 075.21.0911.25710 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.000 D - - Creep Factor: 2.0 Max TC CSI: 0.138 Max BC CSI: 0.017 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 157 /- /- /- /45 /- D - /-19 /- /8 /- /- C - /-33 /- /13 /- /- Wind reactions based on MWFRS B Brg Width = 8.5 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

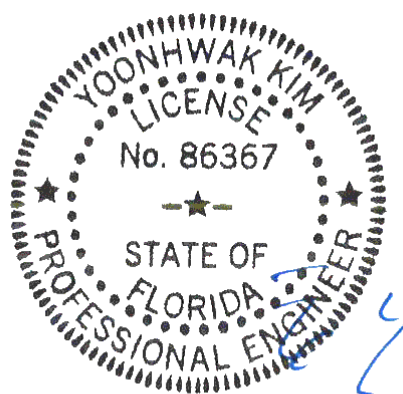
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 0-9-2.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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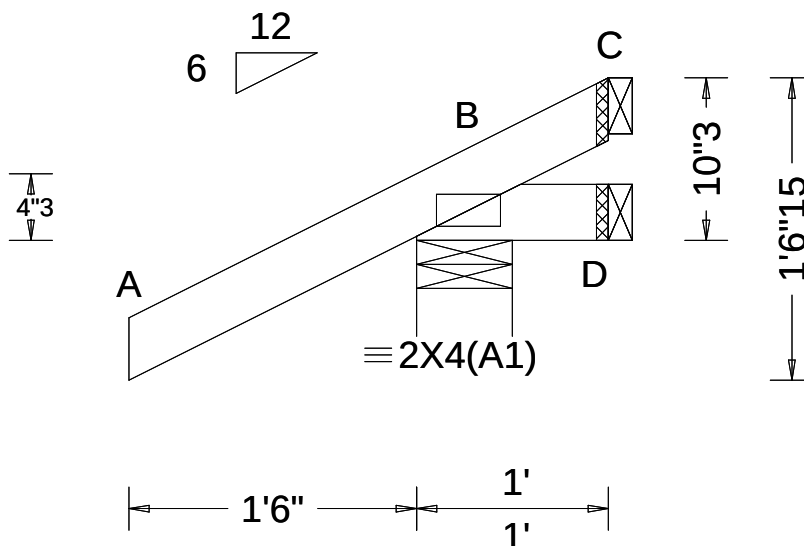
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 363222 FROM: CDM	JACK Ply: 1 Qty: 16	Job Number: 20-4810B Menendez Res Truss Label: J01	Cust: R 215 JRef: 1X3Q2150011 T7 DrwNo: 075.21.0911.23847 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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: 0.280 Max BC CSI: 0.037 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 254 /- /- /202 /69 /38 D 4 /-18 /- /16 /16 /- C - /-53 /- /34 /51 /- Wind reactions based on MWFRS B Brg Width = 6.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

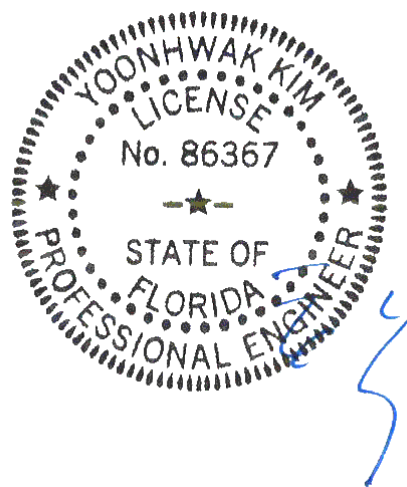
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 0-10-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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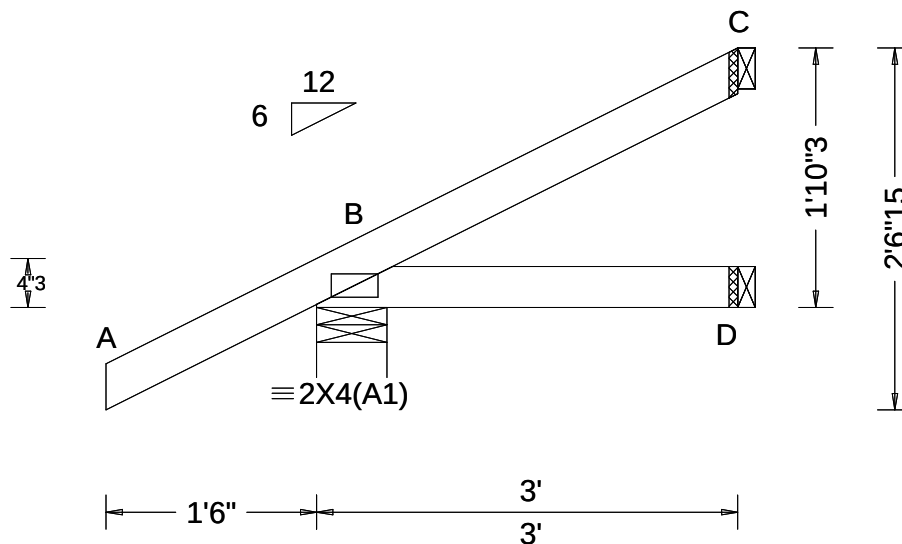
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 363223 FROM: CDM	JACK Ply: 1 Qty: 10	Job Number: 20-4810B Menendez Res Truss Label: J02	Cust: R 215 JRef: 1X3Q2150011 T6 DrwNo: 075.21.0911.22073 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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: 0.312 Max BC CSI: 0.072 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 262 /- /- /190 /42 /73 D 49 /- /- /26 /- /- C 62 /- /- /36 /34 /- Wind reactions based on MWFRS B Brg Width = 6.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

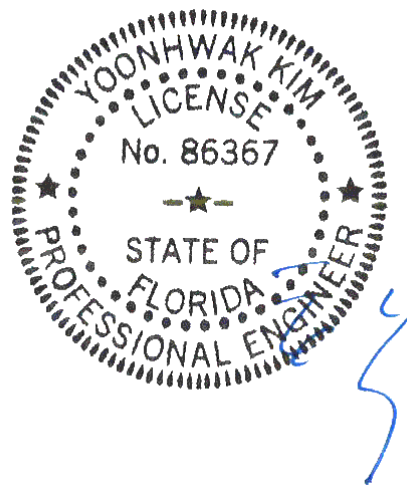
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 1-10-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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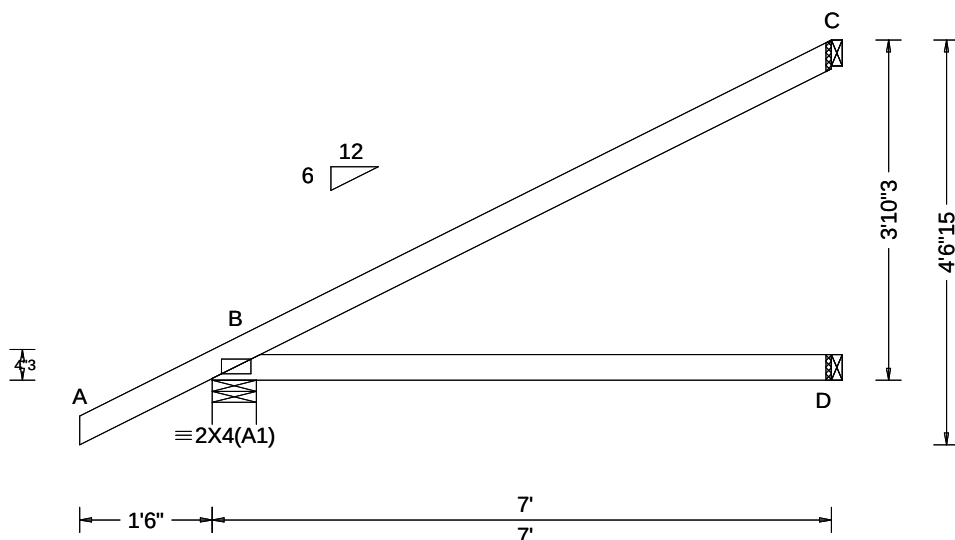
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 363224	JACK	Ply: 1	Job Number: 20-4810B	Cust: R 215	JRef: 1X3Q2150011	T5
FROM: CDM		Qty: 4	Menendez Res	DrwNo: 075.21.0911.20217		
			Truss Label: J03	KD / YK	03/16/2021	

Lumber

SEQN: 363225 FROM: CDM	JACK Ply: 1 Qty: 30	Job Number: 20-4810B Menendez Res Truss Label: J04	Cust: R 215 JRef: 1X3Q2150011 T4 DrwNo: 075.21.0911.18230 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCcp: 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): 0.028 D - - Creep Factor: 2.0 Max TC CSI: 0.713 Max BC CSI: 0.512 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 408 /- /- /278 /47 /144 D 129 /- /- /73 /- /- C 187 /- /- /118 /93 /- Wind reactions based on MWFRS B Brg Width = 6.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

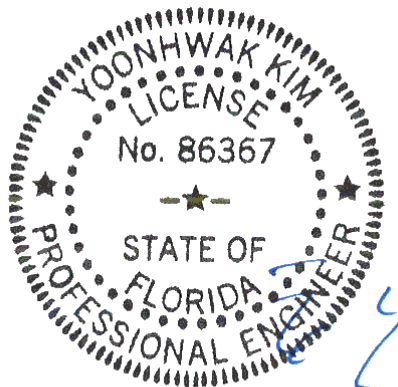
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

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

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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

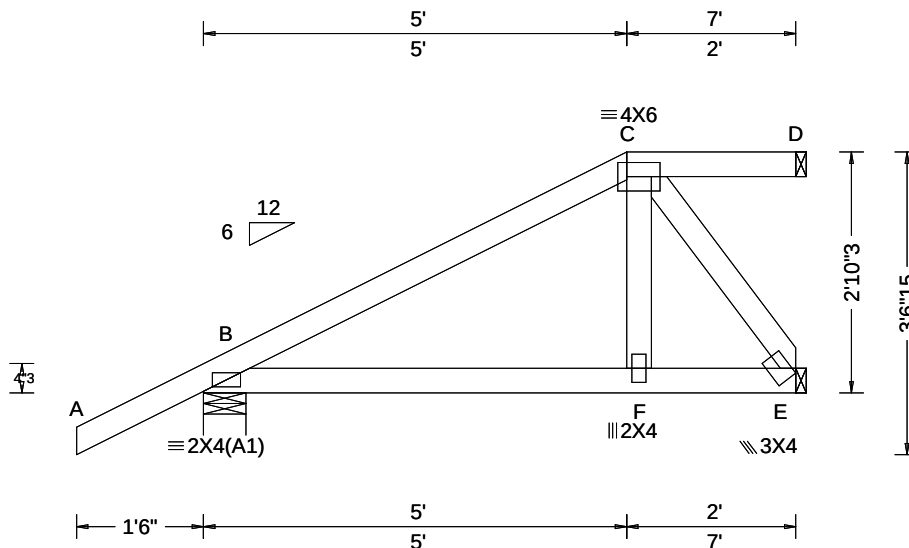
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 363235 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: J04A	Cust: R 215 JRef: 1X3Q2150011 T8 DrwNo: 075.21.0911.16427 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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 F 999 240 VERT(CL): 0.009 F 999 180 HORZ(LL): 0.003 F - - HORZ(TL): 0.006 F - - Creep Factor: 2.0 Max TC CSI: 0.363 Max BC CSI: 0.224 Max Web CSI: 0.084 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 405 /- /- /278 /62 /109 E 208 /- /- /139 /39 /- D 64 /- /- /23 /24 /- Wind reactions based on MWFRS B Brg Width = 6.0 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

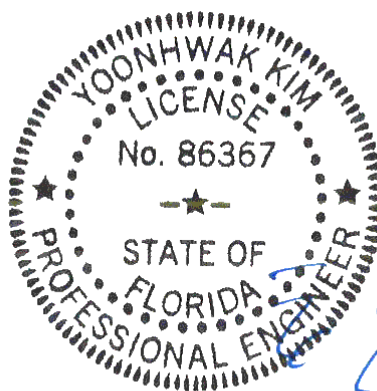
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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

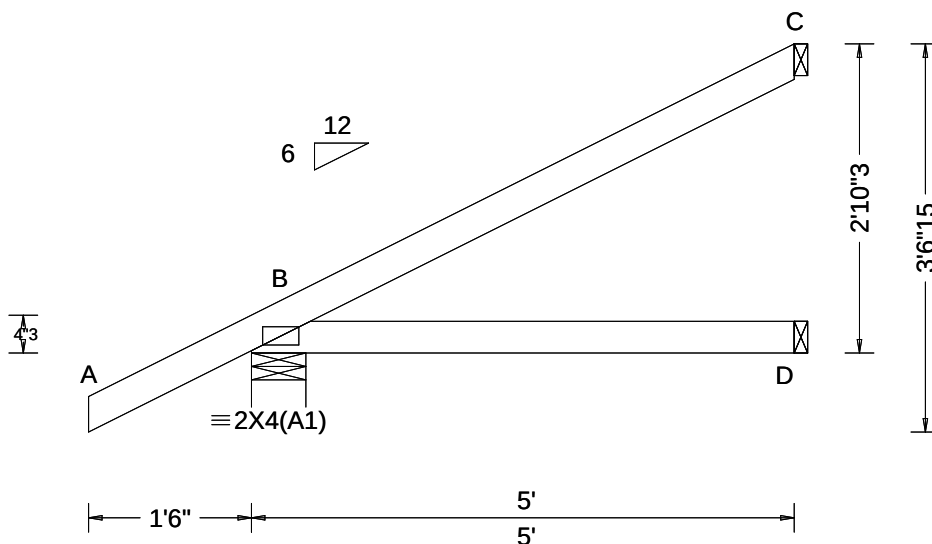
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 363434 FROM: CDM	JACK Ply: 1 Qty: 14	Job Number: 20-4810B Menendez Res Truss Label: J05	Cust: R 215 JRef: 1X3Q2150011 T57 DrwNo: 075.21.0911.13887 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft 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): 0.008 D - - Creep Factor: 2.0 Max TC CSI: 0.316 Max BC CSI: 0.247 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 331 /- /- /231 /43 /109 D 89 /- /- /48 /- /- C 127 /- /- /79 /65 /- Wind reactions based on MWFRS B Brg Width = 6.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

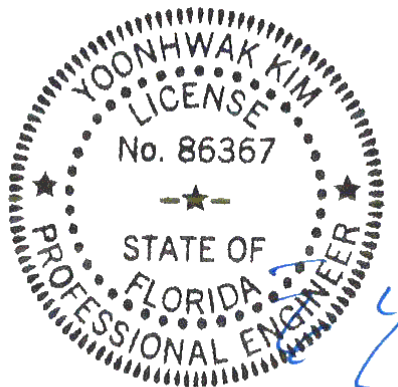
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

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

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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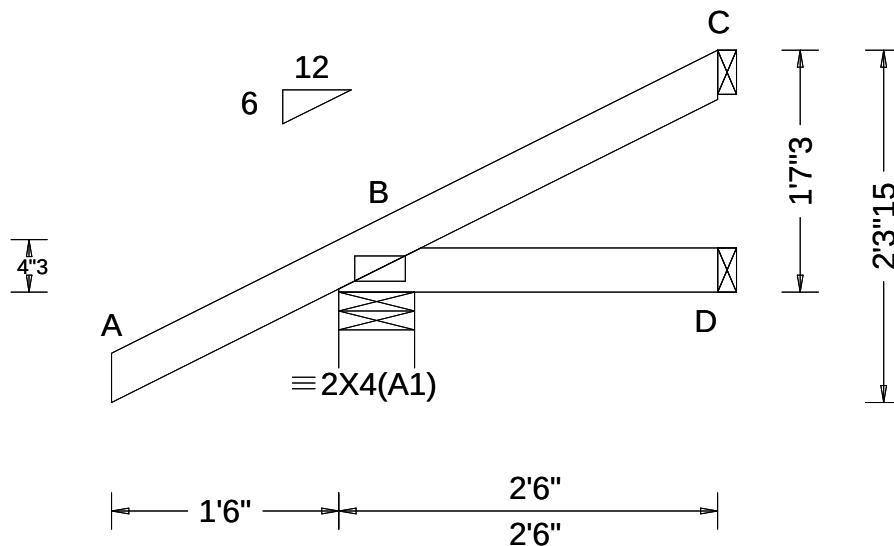
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Suite 305
Orlando FL, 32821

SEQN: 363238 FROM: CDM	EJAC Ply: 1 Qty: 4	Job Number: 20-4810B Menendez Res Truss Label: J06	Cust: R 215 JRef: 1X3Q2150011 T58 DrwNo: 075.21.0911.11910 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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: 0.280 Max BC CSI: 0.044 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 248 /- /- /183 /43 /65 D 39 /- /- /21 /- /- C 43 /- /- /23 /26 /- Wind reactions based on MWFRS B Brg Width = 6.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

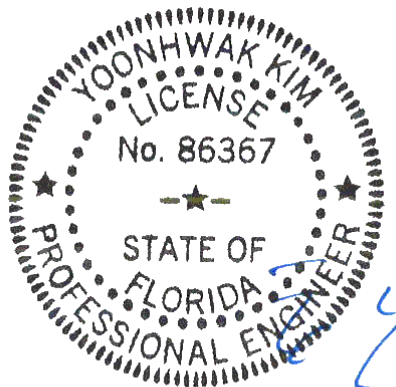
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 1'-7-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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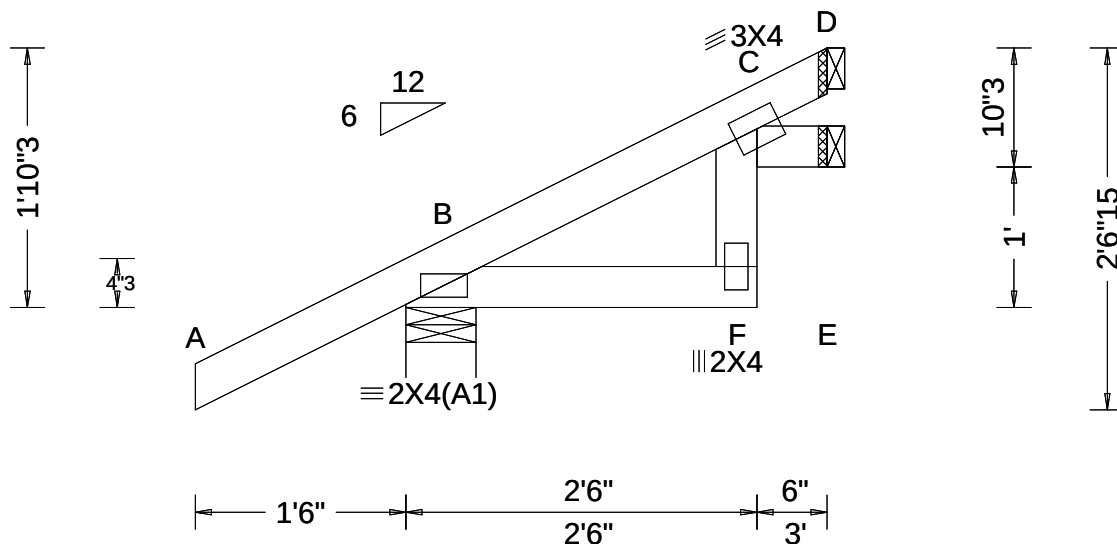
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SEQN: 363226 FROM: CDM	JACK Ply: 1 Qty: 2	Job Number: 20-4810B Menendez Res Truss Label: J07	Cust: R 215 JRef: 1X3Q2150011 T17 DrwNo: 075.21.0911.10313 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft 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): 0.003 F 999 240 VERT(CL): 0.005 F 999 180 HORZ(LL): 0.003 E - - HORZ(TL): 0.005 E - - Creep Factor: 2.0 Max TC CSI: 0.204 Max BC CSI: 0.042 Max Web CSI: 0.020 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 262 /- /- /190 /42 /73 E 14 /- /- /8 /- /- D 77 /- /- /49 /27 /- Wind reactions based on MWFRS B Brg Width = 6.0 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

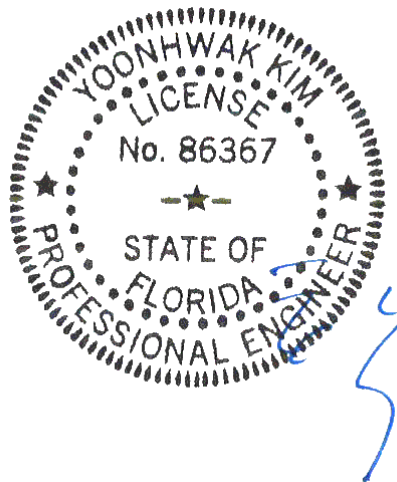
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 1-10-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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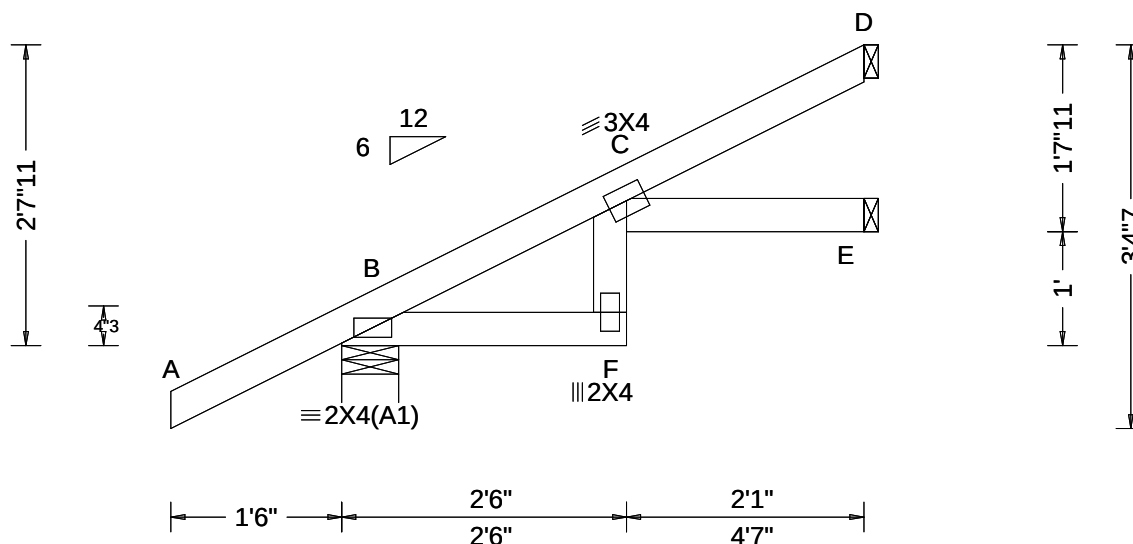
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 363227 FROM: CDM	EJAC Ply: 1 Qty: 7	Job Number: 20-4810B Menendez Res Truss Label: J08	Cust: R 215 JRef: 1X3Q2150011 T11 DrwNo: 075.21.0911.07227 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft 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): 0.038 F 999 240 VERT(CL): 0.074 F 721 180 HORZ(LL): 0.025 E - - HORZ(TL): 0.048 E - - Creep Factor: 2.0 Max TC CSI: 0.312 Max BC CSI: 0.075 Max Web CSI: 0.031 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 315 - / - /221 /43 /101 E 48 - / - /26 - / - D 134 - / - /87 /54 - Wind reactions based on MWFRS B Brg Width = 6.0 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

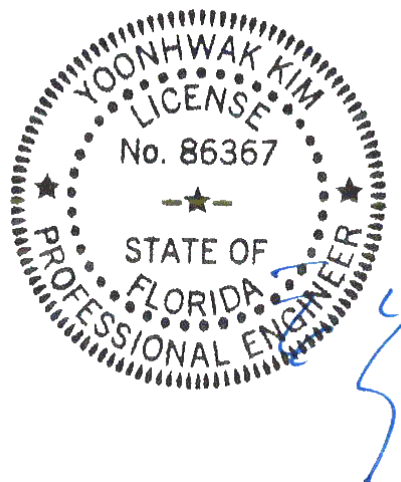
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 2-7-11.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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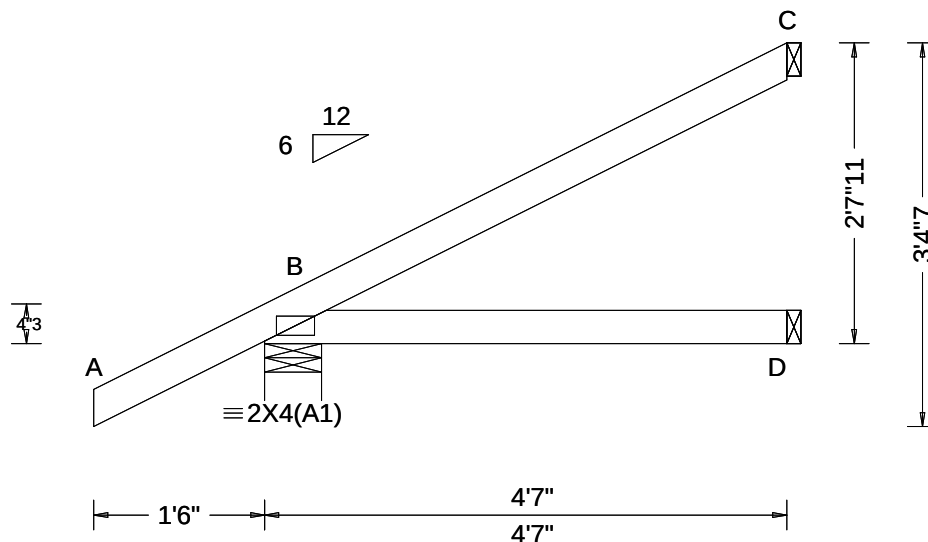
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 363228 FROM: CDM	EJAC Ply: 1 Qty: 3	Job Number: 20-4810B Menendez Res Truss Label: J09	Cust: R 215 JRef: 1X3Q2150011 T59 DrwNo: 075.21.0911.02630 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.003 D - - HORZ(TL): 0.006 D - - Creep Factor: 2.0 Max TC CSI: 0.261 Max BC CSI: 0.203 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 315 /- /- /221 /43 /101 D 81 /- /- /44 /- /- C 114 /- /- /71 /59 /- Wind reactions based on MWFRS B Brg Width = 6.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

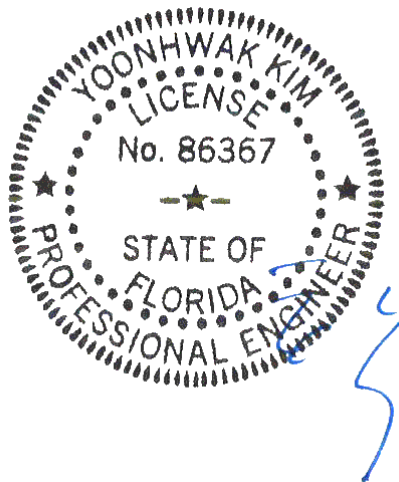
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 2'-7-11.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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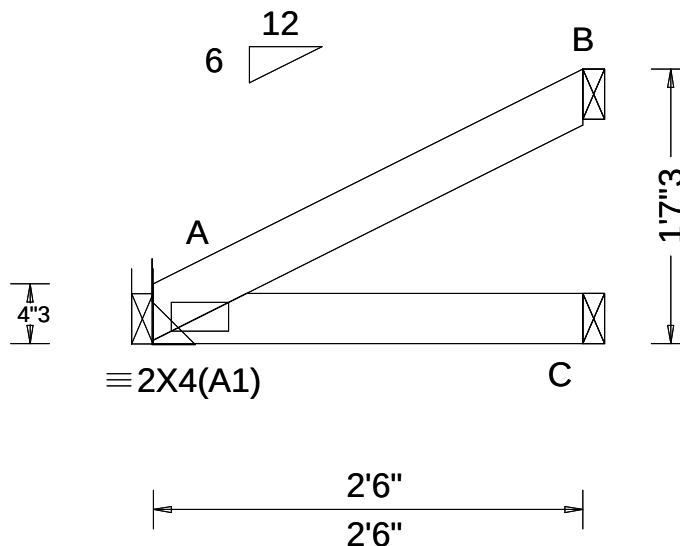
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Suite 305
Orlando FL, 32821

SEQN: 363234 FROM: CDM	EJAC Ply: 1 Qty: 6	Job Number: 20-4810B Menendez Res Truss Label: J10	Cust: R 215 JRef: 1X3Q2150011 T54 DrwNo: 075.21.0911.00820 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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 C - - HORZ(TL): 0.002 C - - Creep Factor: 2.0 Max TC CSI: 0.098 Max BC CSI: 0.061 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 108 /- /- /68 /4 /43 C 45 /- /- /27 /- /- B 67 /- /- /43 /33 /- Wind reactions based on MWFRS A Brg Width = - Min Req = - C Brg Width = 1.5 Min Req = - B Brg Width = 1.5 Min Req = - Members not listed have forces less than 375#

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

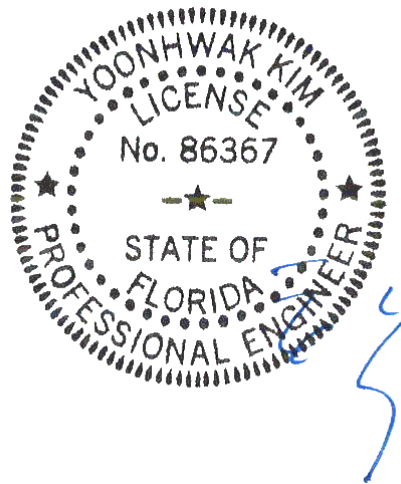
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 1'-7-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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

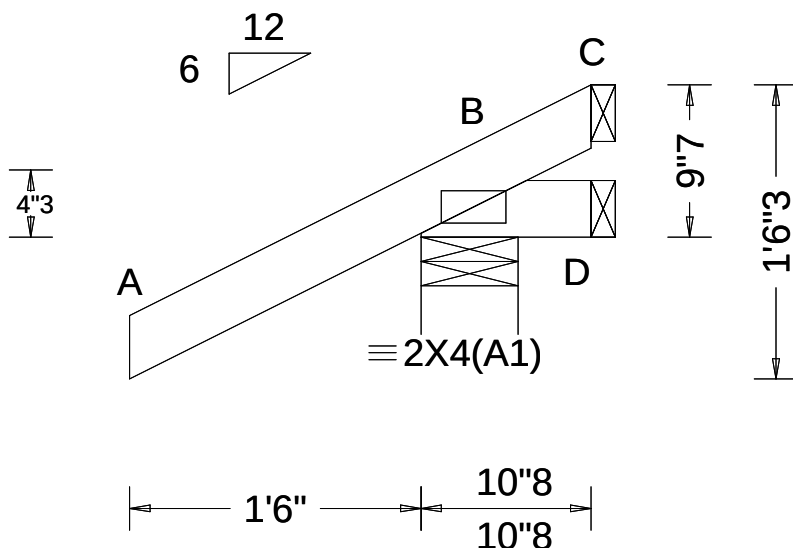
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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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
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 363232 FROM: CDM	EJAC Ply: 1 Qty: 5	Job Number: 20-4810B Menendez Res Truss Label: J11	Cust: R 215 JRef: 1X3Q2150011 T63 DrwNo: 075.21.0910.46693 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 D - - HORZ(TL): 0.001 D - - Creep Factor: 2.0 Max TC CSI: 0.203 Max BC CSI: 0.022 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 267 /- /- /214 /77 /36 D 0 /-22 /- /16 /19 /- C - /-73 /- /40 /67 /- Wind reactions based on MWFRS B Brg Width = 6.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

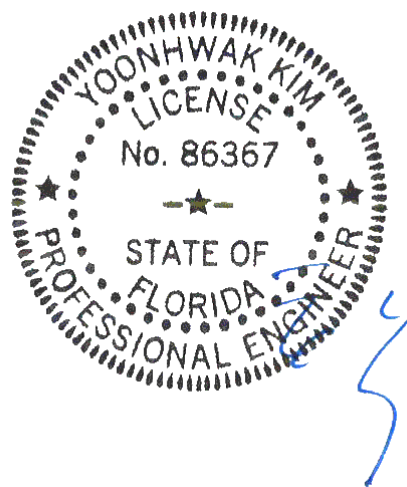
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 0-9-7.



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03/16/2021

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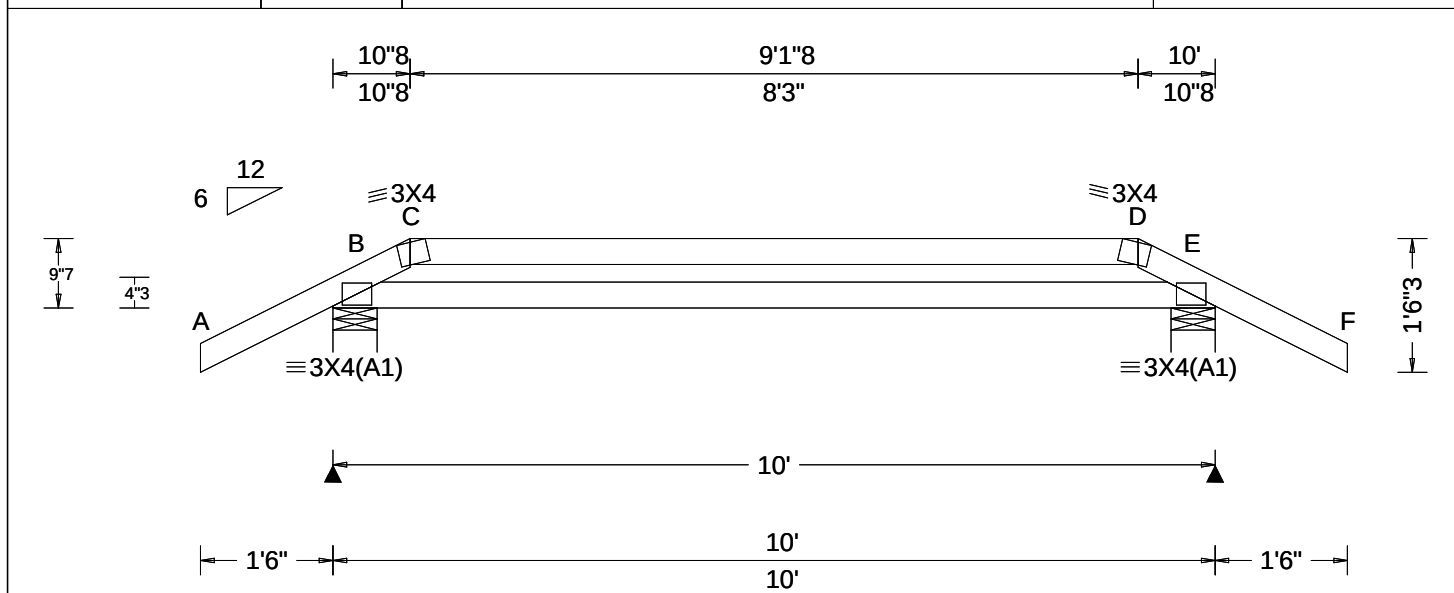
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 363272 FROM: CDM	HIPS Ply: 1 Qty: 1	Job Number: 20-4810B Menendez Res Truss Label: M01	Cust: R 215 JRef: 1X3Q2150011 T64 DrwNo: 075.21.0910.44860 KD / YK 03/16/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any 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): 0.015 999 240 VERT(CL): 0.026 999 180 HORZ(LL): -0.007 C - - HORZ(TL): 0.012 C - - Creep Factor: 2.0 Max TC CSI: 0.600 Max BC CSI: 0.567 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 563 /- /- /- /287 /- E 563 /- /- /- /287 /- Wind reactions based on MWFRS B Brg Width = 6.0 Min Req = 1.5 E Brg Width = 6.0 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 712 -1015 D - E 712 -1015 C - D 691 -1113

Lumber

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

Special Loads

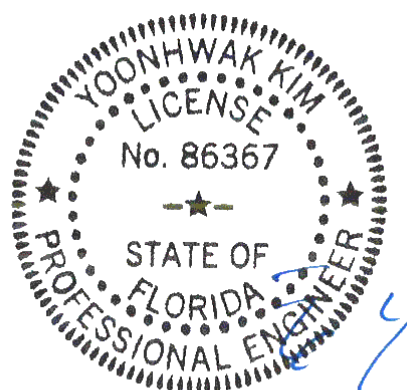
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 62 plf at -1.50 to 62 plf at 0.87
TC: From 31 plf at 0.87 to 31 plf at 9.13
TC: From 62 plf at 9.13 to 62 plf at 11.50
BC: From 4 plf at -1.50 to 4 plf at 0.00
BC: From 10 plf at 0.00 to 10 plf at 10.00
BC: From 4 plf at 10.00 to 4 plf at 11.50
TC: -52 lb Conc. Load at 0.98, 9.02
TC: -28 lb Conc. Load at 3.09, 5.00, 6.91
BC: 108 lb Conc. Load at 0.69, 2.69, 4.69, 5.31
7.31, 9.31
BC: -2 lb Conc. Load at 0.98, 9.02
BC: 1 lb Conc. Load at 3.09, 5.00, 6.91

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 0-9-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2021

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

CLR Reinforcing Member Substitution

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

Notes:

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

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

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

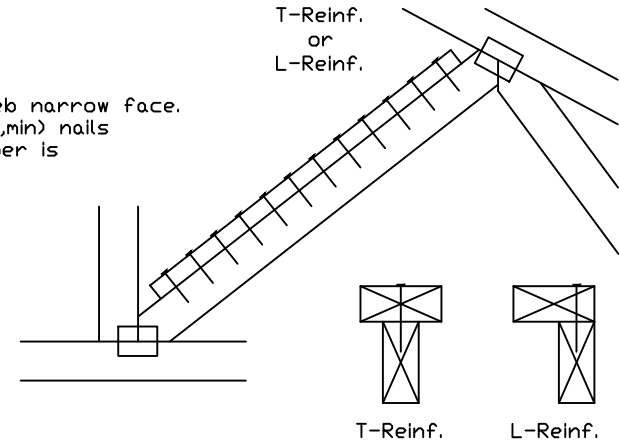
Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf.	Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(X)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(X)

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

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

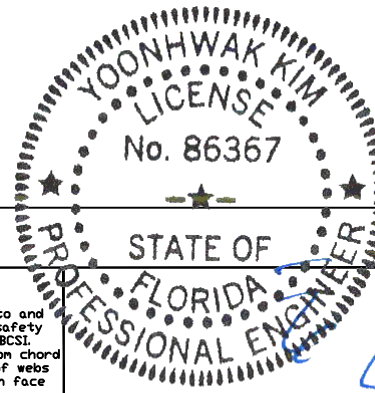
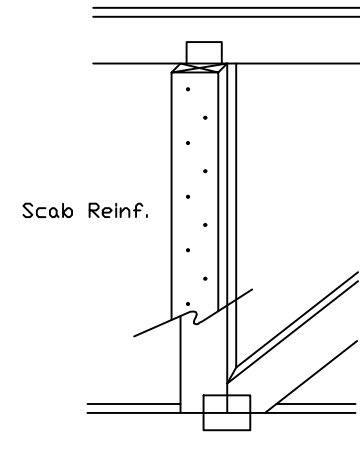
T-Reinforcement or L-Reinforcement:

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



Scab Reinforcement:

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



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



514 Earth City Expressway
Suite 242
Earth City, MO 63045

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

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