

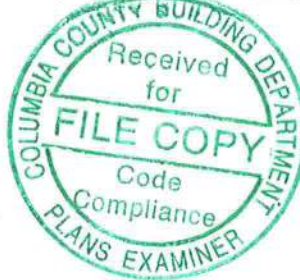
Permit # 41284



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Revised
1.c.
4-8-21

Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 20-4936
Job Description: Johnson Devon (Lexington)	
Address: 776 SW Skyline Loop, FT WHITE, FL	

Job Engineering Criteria:			
Design Code: FBC 7th Ed. 2020 Res		IntelliVIEW Version: 20.01.01A	
		JRef #: 1X402150009	
Wind Standard: ASCE 7-16	Wind Speed (mph): 130	Design Loading (psf): 40.00	
Building Type: Closed			

This package contains general notes pages, 36 truss drawing(s) and 3 detail(s).

Item	Drawing Number	Truss
1	084.21.1335.45697	A01
3	084.21.1335.50873	A03
5	084.21.1328.00794	B02
7	084.21.1336.02137	B04
9	084.21.1328.00887	D01
11	084.21.1328.00512	D03
13	084.21.1336.24400	G01
15	084.21.1328.00653	G03
17	084.21.1328.00591	G05
19	084.21.1336.31963	G07
21	084.21.1328.00606	G09
23	084.21.1328.00825	G11
25	084.21.1336.35720	G13
27	084.21.1336.39263	G15
29	084.21.1336.42857	G17
31	084.21.1336.52963	G19
33	084.21.1337.02773	G21
35	084.21.1328.00934	G23
37	A14015ENC160118	
39	GBLLETIN0118	

Item	Drawing Number	Truss
2	084.21.1335.49070	A02
4	084.21.1328.00966	B01
6	084.21.1328.00950	B03
8	084.21.1328.00607	C01
10	084.21.1328.00559	D02
12	084.21.1336.19707	D04
14	084.21.1328.00840	G02
16	084.21.1336.27193	G04
18	084.21.1336.29603	G06
20	084.21.1328.00856	G08
22	084.21.1328.00637	G10
24	084.21.1336.34233	G12
26	084.21.1336.37160	G14
28	084.21.1336.41060	G16
30	084.21.1336.48393	G18
32	084.21.1336.57440	G20
34	084.21.1337.11210	G22
36	084.21.1328.00513	G24
38	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.

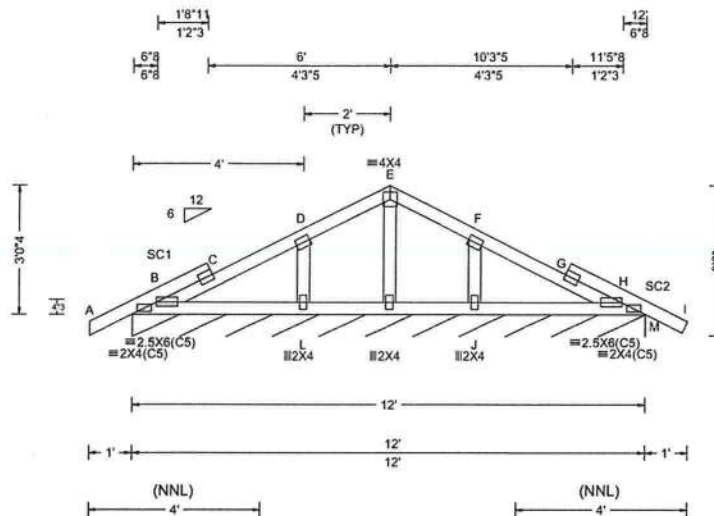
Refer to ASCE-7 for Wind and Seismic abbreviations.

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: 613082 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 20-4936 Johnson Devon (Lexington) Truss Label: A01	Cust: R 215 JRef: 1X402150009 T3 DrwNo: 084.21.1335.45697 / YK 03/25/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 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): 0.013 G 999 480 VERT(CL): 0.024 G 999 360 HORZ(LL): 0.006 C - - HORZ(TL): 0.011 C - - Creep Factor: 2.0 Max TC CSI: 0.375 Max BC CSI: 0.103 Max Web CSI: 0.051 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL M* 171 /- /- /74 /- /4 Wind reactions based on MWFRS M Brg Width = 143 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. G - H 294 -457

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

Plating Notes
All plates are 3X4 except as noted.

Loading
Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 2.30 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

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

Additional Notes
See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.
Stacked top chord must NOT be notched or cut in area (NNL). Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.
The overall height of this truss excluding overhang is 3-0-4.

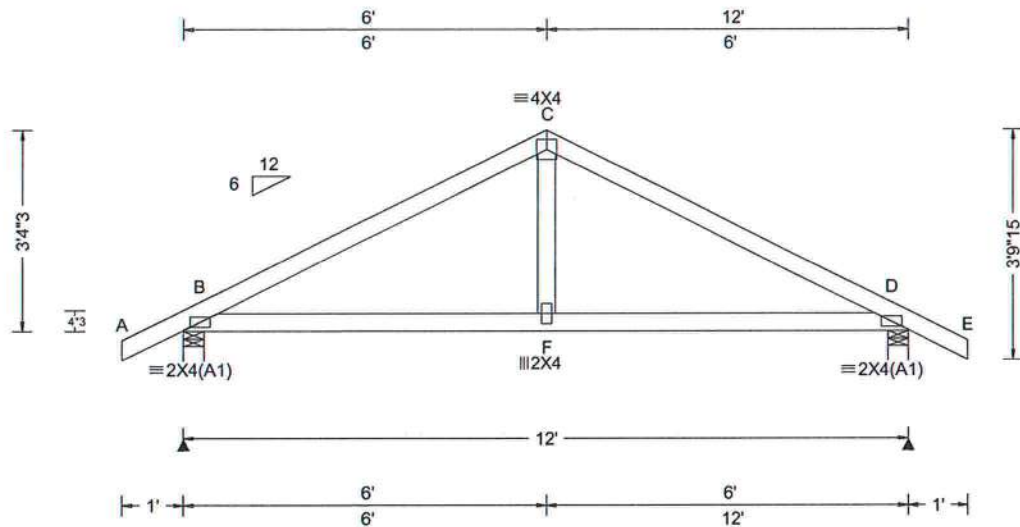


FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

****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.
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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SEQN: 613084 FROM: CDM	COMN Qty: 5	Job Number: 20-4936 Johnson Devon (Lexington) Truss Label: A02	Cust: R215 JRef: 1X402150009 T11 DrwNo: 084.21.1335.49070 / YK 03/25/2021
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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 TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.009 F 999 480 VERT(CL): 0.018 F 999 360 HORZ(LL): 0.004 F - - HORZ(TL): 0.009 F - - Creep Factor: 2.0 Max TC CSI: 0.328 Max BC CSI: 0.376 Max Web CSI: 0.101 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 552 /- /- /268 /- /- D 552 /- /- /268 /- /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 4.0 Min Req = 1.5 Bearings B & D are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 0 -657 C - D 0 -657

Lumber

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

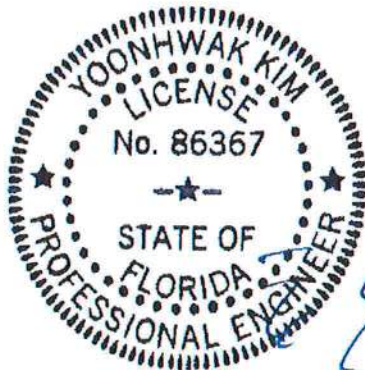
Wind

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 3-4-3.



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03/25/2021

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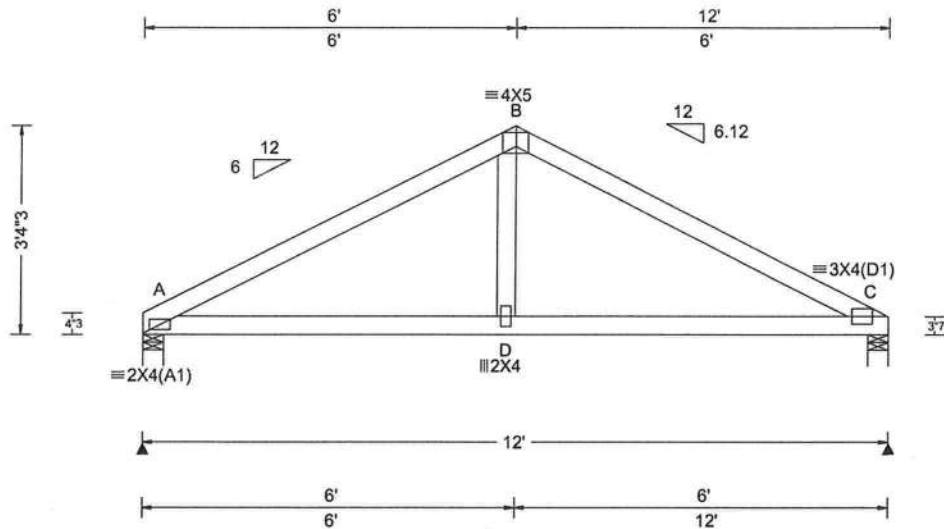
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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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SEQN: 613086 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4936 Johnson Devon (Lexington) Truss Label: A03	Cust: R 215 JRef: 1X402150009 T17 DrwNo: 084.21.1335.50873 / YK 03/25/2021
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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/defl L/# VERT(LL): 0.012 D 999 480 VERT(CL): 0.025 D 999 360 HORZ(LL): 0.005 D - - HORZ(TL): 0.009 D - - Creep Factor: 2.0 Max TC CSI: 0.354 Max BC CSI: 0.454 Max Web CSI: 0.103 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL A 486 /- /- /246 /- /- C 486 /- /- /246 /- /- Wind reactions based on MWFRS A Brg Width = 4.0 Min Req = 1.5 C Brg Width = 4.0 Min Req = 1.5 Bearings A & C are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 0 -684 B - C 0 -675

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'-4"-3."



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

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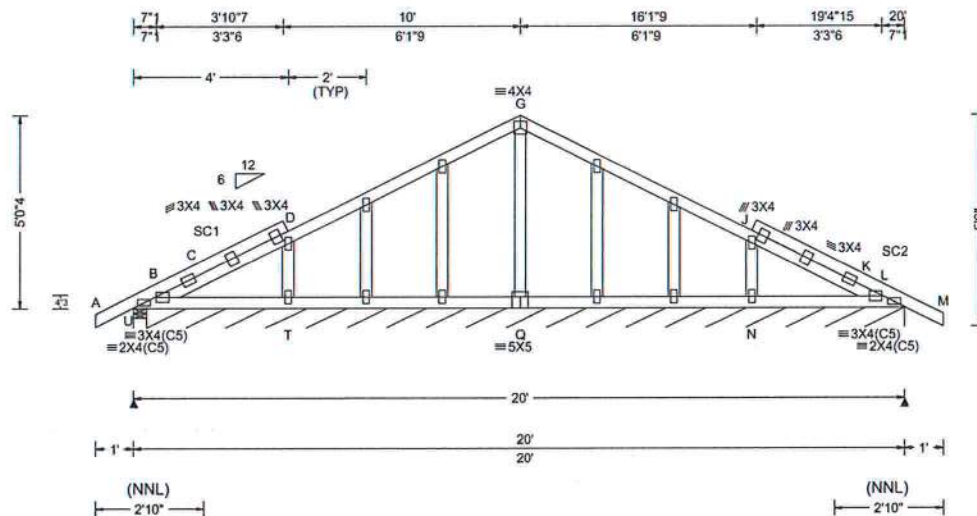
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCE) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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-2 for standard plate positions. Refer to job's General Notes page for additional information.

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

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SEQN: 609419 / FROM: CDM	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: 20-4936 Johnson Devon (Lexington) Truss Label: B01	Cust: R 215 JRef: 1X402150009 T5 / DrwNo: 084.21.1328.00966 / YK 03/25/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF						
				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): 0.011 K 999 480	U	420	/-	/-	/242	/28	/51
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.020 K 999 360	L*	147	/-	/-	/66	/-	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.005 K - -	Wind reactions based on MWFRS						
	EXP: C Kzt: NA		HORZ(TL): 0.008 K - -	U	Brg Width = 4.0		Min Req = 1.5			
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 2.0	L	Brg Width = 236		Min Req = -			
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Max TC CSI: 0.320	Bearings U & B are a rigid surface.						
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max BC CSI: 0.119	Members not listed have forces less than 375#						
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max Web CSI: 0.068	Maximum Gable Forces Per Ply (lbs)						
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case		Gables	Tens.Comp.		Gables	Tens. Comp.		
	Loc. from endwall: Any	FT/RT:20(0)/10(0)		D - T	0	-398	N - J	60	-398	
	GCpi: 0.18	Plate Type(s):	VIEW Ver: 20.01.01A.0724.11							
	Wind Duration: 1.60	WAVE								

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 2.30 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

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

The overall height of this truss excluding overhang is 5-0-4.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

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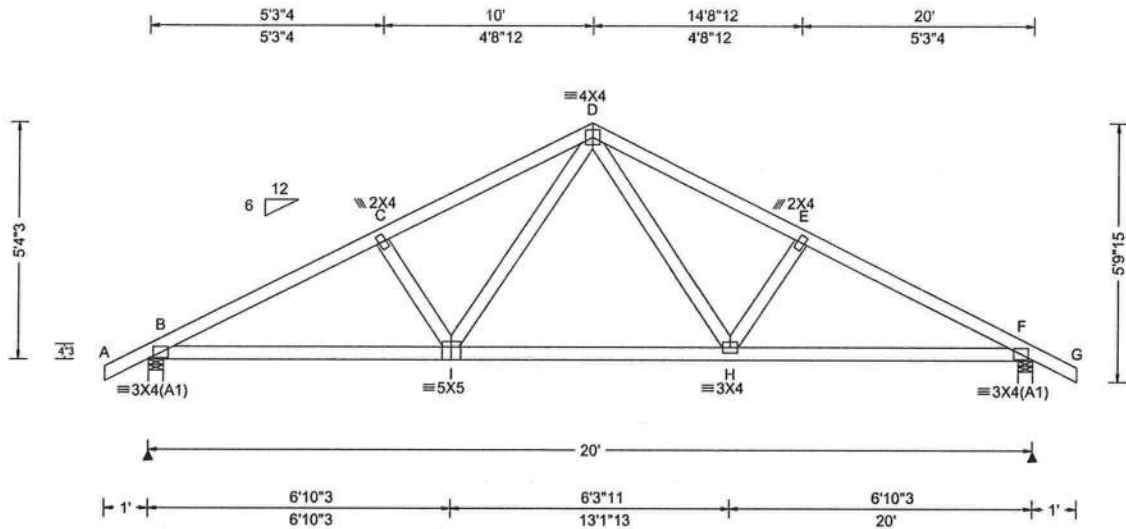
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 609337 / FROM: CDM	COMN Ply: 1 Qty: 3	Job Number: 20-4936 Johnson Devon (Lexington) Truss Label: B02	Cust: R215 JRef: 1X402150009 T4 / DrwNo: 084.21.1328.00794 / YK 03/25/2021
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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): 0.040 H 999 480 VERT(CL): 0.081 H 999 360 HORZ(LL): 0.016 H - - HORZ(TL): 0.032 H - - Creep Factor: 2.0 Max TC CSI: 0.238 Max BC CSI: 0.503 Max Web CSI: 0.166 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 890 - / - / - /531 /157 /154 F 890 - / - / - /531 /157 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 F Brg Width = 4.0 Min Req = 1.5 Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 629 -1375 D - E 630 -1218 C - D 631 -1218 E - F 628 -1376

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 5'-4".

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - I	1175	-477	H - F	1176	-454
I - H	798	-229			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
I - D	433	-196	D - H	435	-196



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

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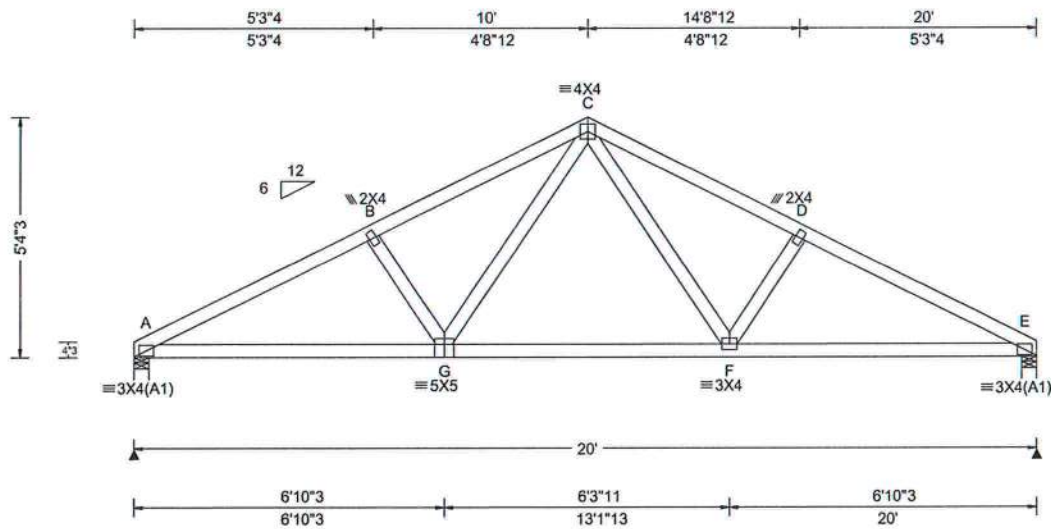
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6750 Forum Drive
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SEQN: 609347 / FROM: CDM	COMN Qty: 1	Job Number: 20-4936 Johnson Devon (Lexington) Truss Label: B03	Cust: R 215 JRef: 1X402150009 T6 / DrwNo: 084.21.1328.00950 / YK 03/25/2021
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Loading 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/defl L/# VERT(LL): 0.039 F 999 480 VERT(CL): 0.081 F 999 360 HORZ(LL): 0.016 F - - HORZ(TL): 0.033 F - - Creep Factor: 2.0 Max TC CSI: 0.254 Max BC CSI: 0.510 Max Web CSI: 0.170 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 824 /- /- /475 /140 /128 E 824 /- /- /475 /140 /- Wind reactions based on MWFRS A Brg Width = 4.0 Min Req = 1.5 E Brg Width = 4.0 Min Req = 1.5 Bearings A & E are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 452 -1393 C - D 457 -1235 B - C 458 -1235 D - E 452 -1394

Lumber

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

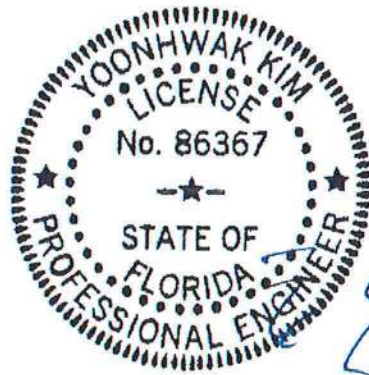
Wind

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 5-4-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

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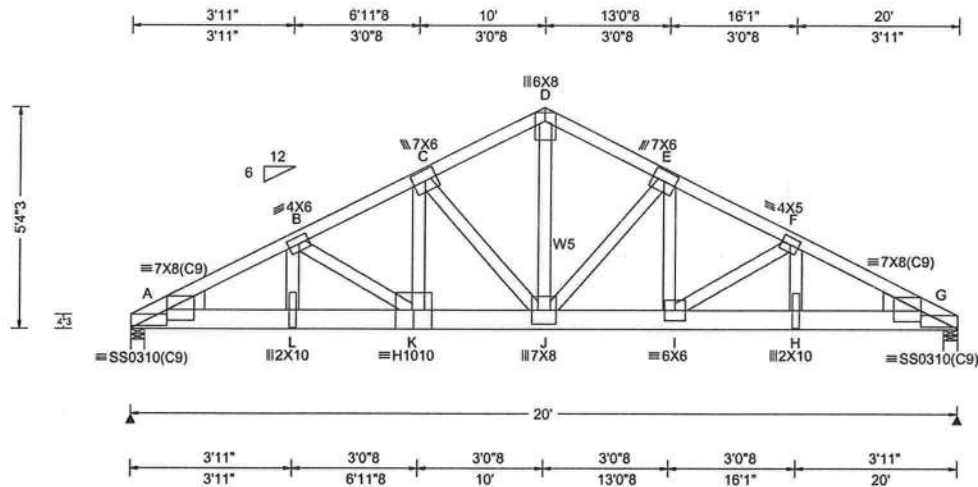
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Suite 305
Orlando FL, 32821

SEQN: 613132 FROM: CDM	COMN Ply: 2 Qty: 1	Job Number: 20-4936 Johnson Devon (Lexington) Truss Label: B04	Cust: R 215 JRef: 1X402150009 T22 DrwNo: 084.21.1336.02137 / YK 03/25/2021
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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: 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 9.00 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): 18SS, WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.188 J 999 480 VERT(CL): 0.374 J 632 360 HORZ(LL): 0.056 H - - HORZ(TL): 0.111 H - - Creep Factor: 2.0 Max TC CSI: 0.609 Max BC CSI: 0.788 Max Web CSI: 0.811 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL A 9466 -/- /- /1208 -/ G 9348 -/- /- /1545 -/ Wind reactions based on MWFRS A Brg Width = 4.0 Min Req = 3.9 G Brg Width = 4.0 Min Req = 3.9 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 1249 -9133 D - E 995 -6197 B - C 1201 -7788 E - F 1266 -7765 C - D 1000 -6209 F - G 1496 -9089

Lumber

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

Nailnote

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

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 62 plf at 0.00 to 62 plf at 10.00
TC: From 31 plf at 10.00 to 31 plf at 13.94
TC: From 62 plf at 13.94 to 62 plf at 20.00
BC: From 10 plf at 0.00 to 10 plf at 20.00
BC: 1740 lb Conc. Load at 1.94, 7.94, 11.94, 17.94
BC: 1734 lb Conc. Load at 3.94, 15.94
BC: 1757 lb Conc. Load at 5.94
BC: 1760 lb Conc. Load at 9.65, 10.27
BC: 1784 lb Conc. Load at 13.94

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 5'-4".



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

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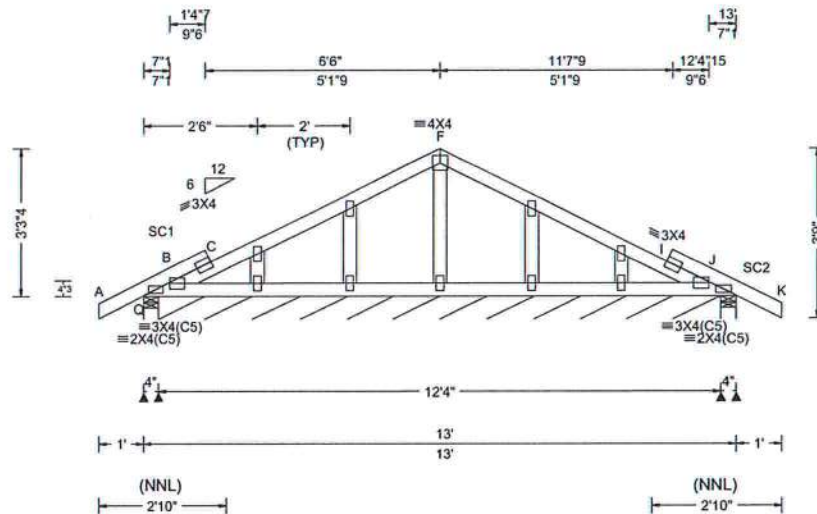
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 609407 / FROM: CDM	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: 20-4936 Johnson Devon (Lexington) Truss Label: C01	Cust: R 215 JRef: 1X402150009 T9 / DrwNo: 084.21.1328.00607 / YK 03/25/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 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: 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): 0.001 C 999 480 VERT(CL): 0.003 C 999 360 HORZ(LL): 0.000 C - - HORZ(TL): 0.001 C - - Creep Factor: 2.0 Max TC CSI: 0.222 Max BC CSI: 0.039 Max Web CSI: 0.075 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL Q 383 /- /- /233 /87 /51 B* 118 /- /- /53 /- /- J 383 /- /- /239 /87 /- Wind reactions based on MWFRS Q Brg Width = 4.0 Min Req = 1.5 B Brg Width = 147 Min Req = - J Brg Width = 4.0 Min Req = 1.5 Bearings Q, B, & J are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 2.30 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

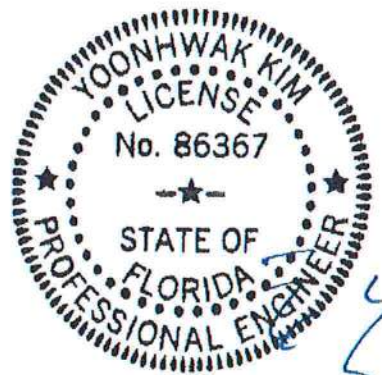
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

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

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

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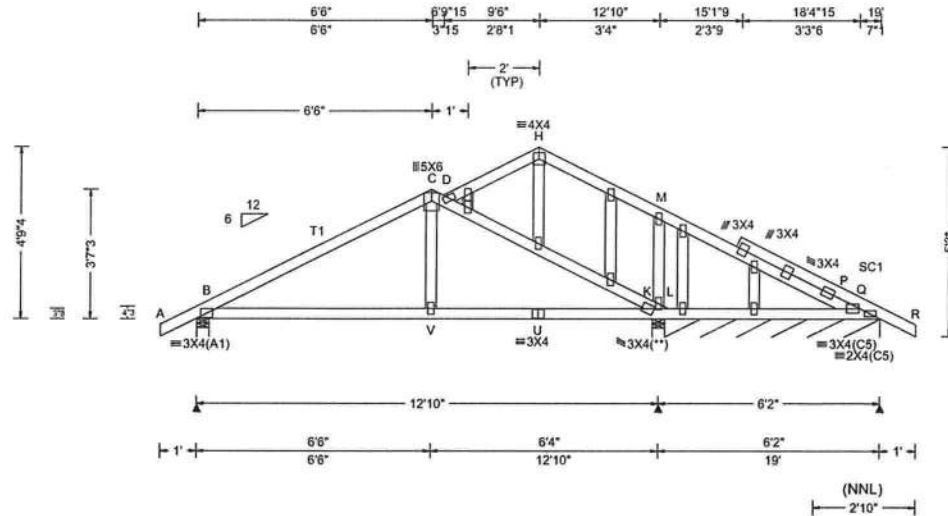
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SEQN: 609422 / FROM: CDM	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: 20-4936 Johnson Devon (Lexington) Truss Label: D01	Cust: R 215 JRef: 1X402150009 T10 / DrwNo: 084.21.1328.00887 / YK 03/25/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 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): 0.025 H 999 480 VERT(CL): 0.046 H 999 360 HORZ(LL): 0.017 N - - HORZ(TL): 0.032 N - - Creep Factor: 2.0 Max TC CSI: 0.746 Max BC CSI: 0.576 Max Web CSI: 0.104 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ /R- /Rh /Rw /U /RL B 1187 - /- /- /679 /195 /310 L 924 - /- /- /555 - /- Q* 173 - /- /- /71 - /- Non-Gravity Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 L Brg Width = 4.0 Min Req = 1.5 Q Brg Width = 72.0 Min Req = - Bearings B, L, & L are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber
Top chord: 2x4 SP #2; T1 2x4 SP M-31;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Stack Chord: SC1 2x4 SP #2;

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

Loading
Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 2.30 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

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

Blocking
Blocking reinforcement required to prevent buckling of members over the bearings:
Bearing 2 located at 12.7' (blocking >= 3.50" if used)

Additional Notes
See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.
Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.
The overall height of this truss including cladding is 4-9-4.

Chords	Tens.Comp.	Chords	Tens. Comp.
B - C	788 -1481	H - M	334 -468
C - D	802 -1052	K - L	715 -931
D - H	368 -445	M - P	207 -482
D - K	841 -970	P - Q	199 -501

Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.
B - V 1166 -677 U - L 1166 -677
V - U 1166 -677 L - Q 381 -181

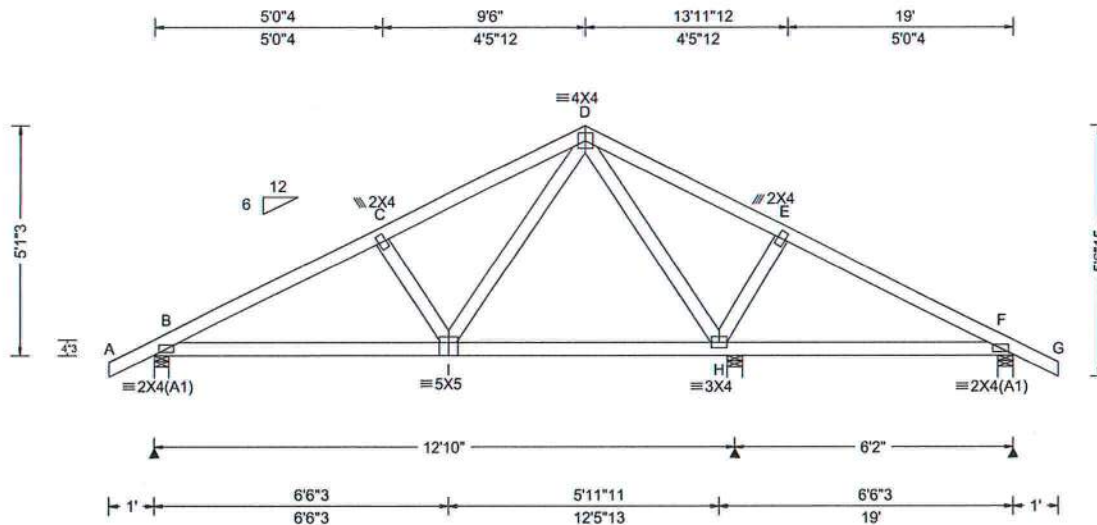


FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

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Suite 305
Orlando FL, 32821

SEQN: 609341 / FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4936 Johnson Devon (Lexington) Truss Label: D02	Cust: R 215 JRef: 1X402150009 T8 / DrwNo: 084.21.1328.00559 / YK 03/25/2021
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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: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.018 I 999 480 VERT(CL): 0.035 I 999 360 HORZ(LL): 0.006 H - - HORZ(TL): 0.013 H - - Creep Factor: 2.0 Max TC CSI: 0.236 Max BC CSI: 0.489 Max Web CSI: 0.233 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ /R- /Rh /Rw /U /RL B 634 /- /- /393 /117 /147 H 670 /- /- /362 /105 /- F 395 /- /- /266 /79 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 H Brg Width = 4.0 Min Req = 1.5 F Brg Width = 4.0 Min Req = 1.5 Bearings B, H, & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

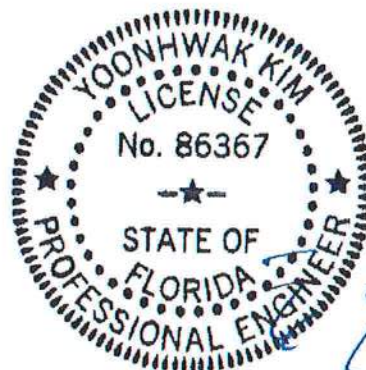
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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 5-1-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

B - C 421 -848 C - D 420 -698

Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.

B - I 708 -290 H - F 558 -150

Maximum Web Forces Per Ply (lbs)
Webs Tens.Comp.

I - D 450 -214

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

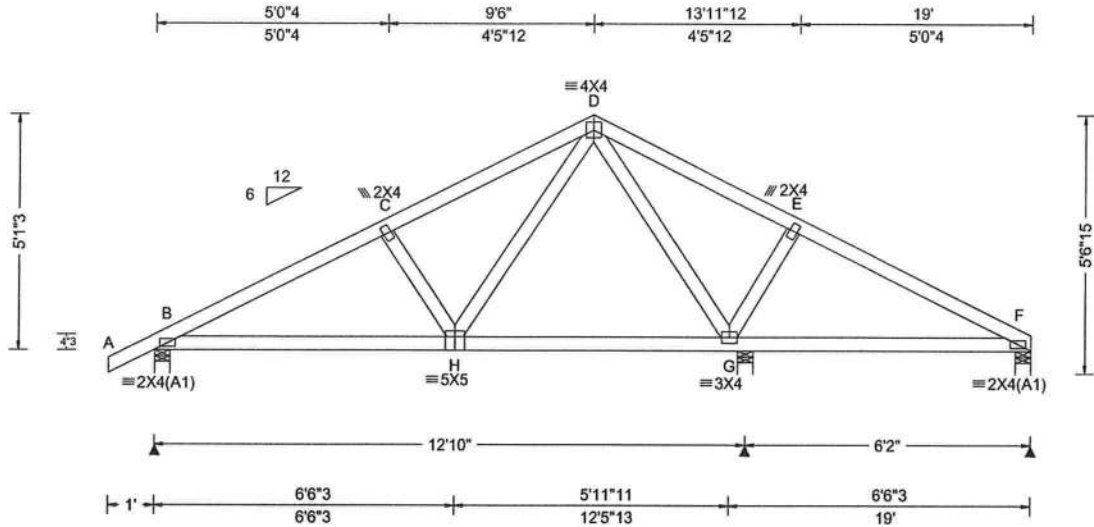
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SEQN: 609344 / FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4936 Johnson Devon (Lexington) Truss Label: D03	Cust: R 215 JRef: 1X402150009 T27 / DrwNo: 084.21.1328.00512 / YK 03/25/2021
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Loading Criteria (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 GCpl: 0.18 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): 0.018 H 999 480 VERT(CL): 0.035 H 999 360 HORZ(LL): 0.006 G - - HORZ(TL): 0.013 G - - Creep Factor: 2.0 Max TC CSI: 0.249 Max BC CSI: 0.516 Max Web CSI: 0.231 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 635 /- /- /394 /116 /138 G 673 /- /- /363 /109 /- F 324 /- /- /205 /58 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 G Brg Width = 4.0 Min Req = 1.5 F Brg Width = 4.0 Min Req = 1.5 Bearings B, G, & 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.

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 5'-1-3.

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - H	710 -215	G - F	579 -134

Maximum Web Forces Per Ply (lbs)	
Webs	Tens.Comp.
H - D	449 -145



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

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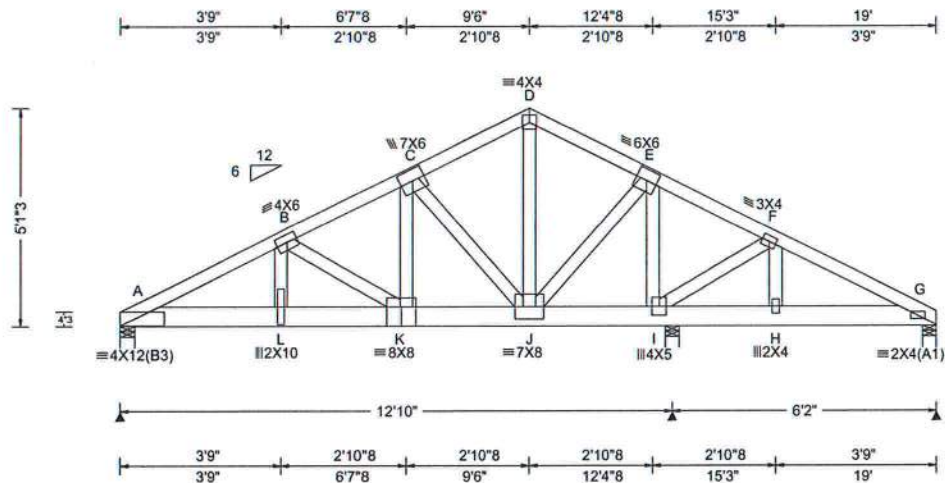
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SEQN: 613101 FROM: CDM	COMN Qty: 1	Job Number: 20-4936 Johnson Devon (Lexington) Truss Label: D04	Cust: R 215 JRef: 1X402150009 T1 DrwNo: 084.21.1336.19707 / YK 03/25/2021
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCCL: 20.00 TCDL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCL: 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 GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.074 K 999 480 VERT(CL): 0.147 K 999 360 HORZ(LL): 0.017 B - - HORZ(TL): 0.035 B - - Creep Factor: 2.0 Max TC CSI: 0.523 Max BC CSI: 0.583 Max Web CSI: 0.943 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ /R- /Rh Non-Gravity /Rw /U /RL A 5216 /- /- /- /738 /- I 8160 /- /1 /- /798 /0 G - /-510 /- /53 /- /- Wind reactions based on MWFRS A Brg Width = 4.0 Min Req = 1.8 I Brg Width = 4.0 Min Req = 3.0 G Brg Width = 4.0 Min Req = 1.5 Bearings A, I, & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

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

Nailnote

Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 2 Rows @ 5.00" o.c. (Each Row)
Webs: 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails
in each row to avoid splitting.

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 62 plf at 0.00 to 62 plf at 19.00
BC: From 10 plf at 0.00 to 10 plf at 12.06
BC: From 20 plf at 12.06 to 20 plf at 19.00
BC: 1740 lb Conc. Load at 2.06
BC: 1734 lb Conc. Load at 4.06
BC: 1987 lb Conc. Load at 6.06
BC: 1982 lb Conc. Load at 8.06
BC: 2045 lb Conc. Load at 10.06, 12.06

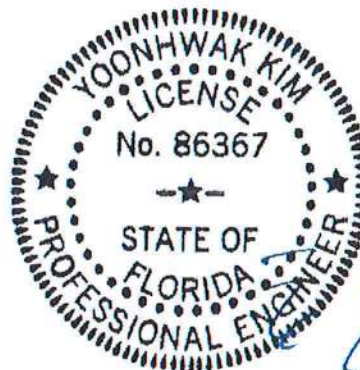
Wind

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

Additional Notes

Negative reaction(s) of -510# MAX. from a non-wind
load case requires uplift connection. See Maximum
Reactions.

The overall height of this truss excluding overhang is
5-1-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

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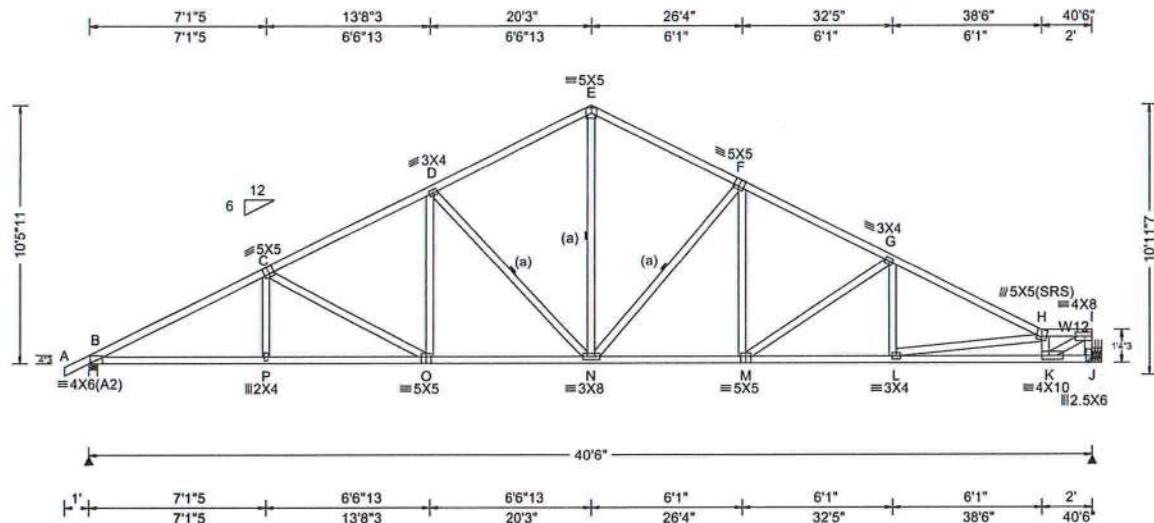
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SEQN: 609424 / FROM: CDM	COMN Qty: 2	Job Number: 20-4936 Johnson Devon (Lexington) Truss Label: G02	Cust: R215 JRef: 1X402150009 T37 / DrwNo: 084.21.1328.00840 / YK 03/25/2021
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Loading Criteria (psf)	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): 0.221 N 999 480	B	1852	-	-	/1045	/304	/282
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.427 N 999 360	J	1740	-	-	/936	/282	-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.091 J - -	Wind reactions based on MWFRS						
	EXP: C Kzt: NA		HORZ(TL): 0.175 J - -	B	Brg Width = 4.0		Min Req = 2.2			
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 2.0	J	Brg Width = -		Min Req = -			
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Max TC CSI: 0.710	Bearing B is a rigid surface.						
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max BC CSI: 0.894	Members not listed have forces less than 375#						
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max Web CSI: 0.840	Maximum Top Chord Forces Per Ply (lbs)						
Spacing: 24.0 "	C&C Dist a: 4.05 ft	Rep Fac: Yes		Chords	Tens.Comp.	Chords	Tens. Comp.			
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	VIEW Ver: 20.01.01A.0724.11	B - C	1268	-3369	F - G	1153	-2767	
	GCpi: 0.18	Plate Type(s):		C - D	1454	-2849	G - H	1272	-3225	
	Wind Duration: 1.60	WAVE		D - E	1024	-2153	H - I	1045	-2760	
				E - F	1027	-2142				

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W12 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

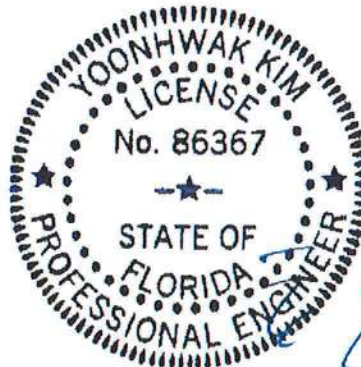
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 10'-5-11".



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - P	2930 - 1097	N - M	2378 - 774
P - O	2927 - 1099	M - L	2899 - 1055
O - N	2423 - 825	L - K	3221 - 1246

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - O	321 - 562	F - M	551 - 133
O - D	502 - 95	M - G	338 - 616
D - N	450 - 848	H - K	751 - 1722
E - N	1455 - 575	K - I	3230 - 1223
N - F	445 - 834	I - J	635 - 1704

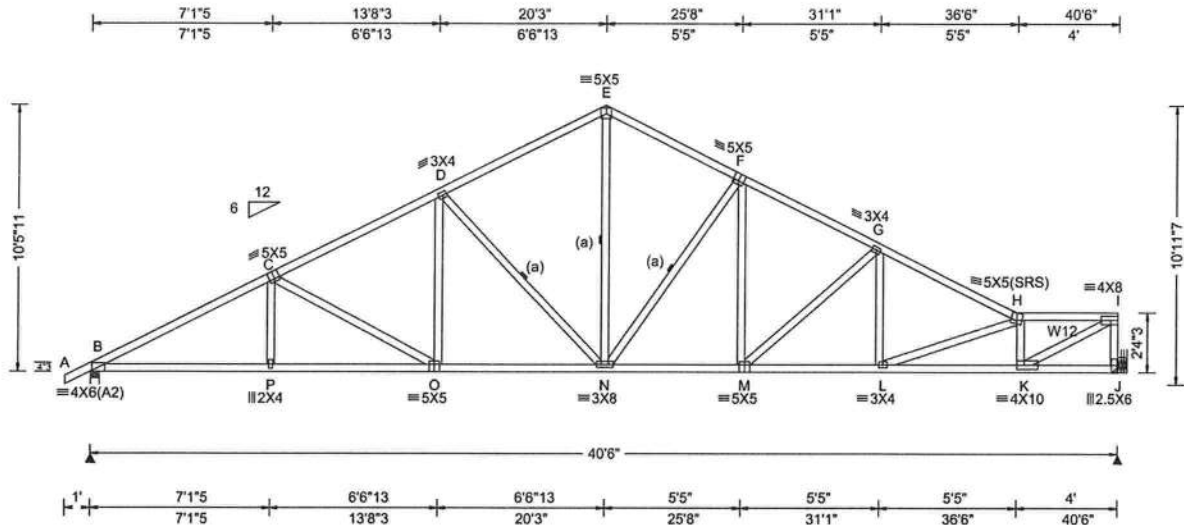
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SEQN: 609427 / FROM: CDM	COMN Ply: 1 Qty: 2	Job Number: 20-4936 Johnson Devon (Lexington) Truss Label: G03	Cust: R 215 JRef: 1X402150009 T44 / DrwNo: 084.21.1328.00653 / YK 03/25/2021
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Loading Criteria (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: 4.05 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.223 M 999 480 VERT(CL): 0.430 M 999 360 HORZ(LL): 0.084 J - - HORZ(TL): 0.163 J - - Creep Factor: 2.0 Max TC CSI: 0.712 Max BC CSI: 0.882 Max Web CSI: 0.867 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1851 - / - / - /1047 /303 /280 J 1734 - / - / - /907 /286 - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 2.2 J Brg Width = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W12 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.
Wind loading based on both gable and hip roof types.

Additional Notes
The overall height of this truss excluding overhang is 10'-5-11".



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

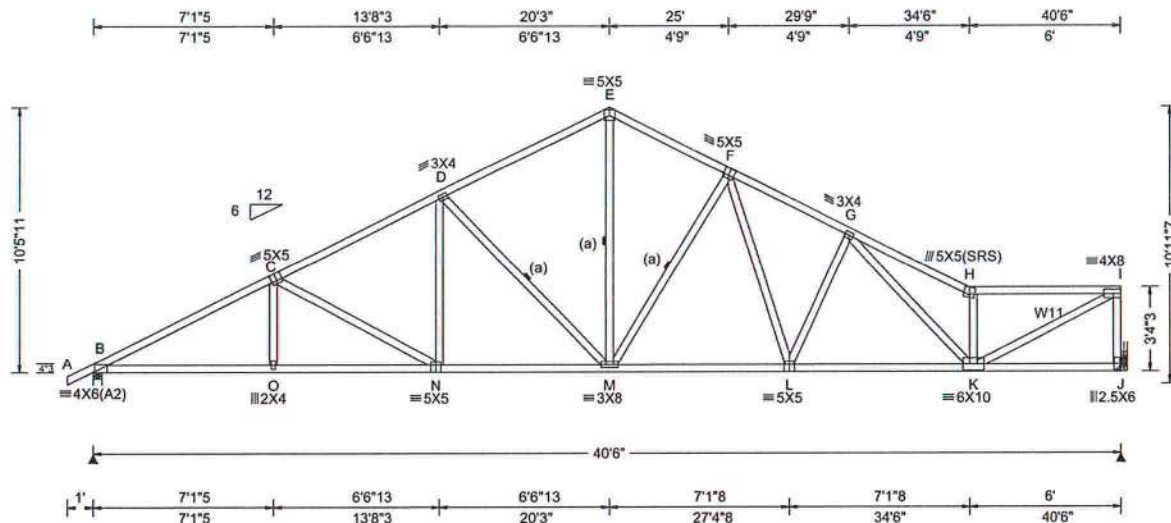
Chords	Tens.Comp.	Chords	Tens. Comp.
B - P	2926 - 1147	N - M	2303 - 790
P - O	2924 - 1148	M - L	2759 - 1032
O - N	2421 - 875	L - K	3142 - 1230

Webs	Tens.Comp.	Webs	Tens. Comp.
C - O	320 - 561	M - G	323 - 597
O - D	503 - 93	L - H	216 - 398
D - N	452 - 853	H - K	692 - 1550
E - N	1468 - 594	K - I	3328 - 1288
N - F	435 - 803	I - J	688 - 1698
F - M	578 - 166		

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SEQN: 613034 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4936 Johnson Devon (Lexington) Truss Label: G04	Cust: R215 JRef: 1X402150009 T19 DrwNo: 084.21.1336.27193 / YK 03/25/2021
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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)						
TCLL: 20.00		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): 0.231 M 999 480		Loc	R+ / R- / Rh	Rw / U / RL				
BCLL: 0.00		Enclosure: Closed		Lu: NA Cs: NA		VERT(CL): 0.441 M 999 360		B	1865 - / -	- / 1051 / 301	279			
BCDL: 10.00		Risk Category: II		Snow Duration: NA		HORZ(LL): 0.078 J - -		J	1784 - / -	- / 894 / 295	-			
Des Ld: 40.00		EXP: C Kzt: NA				HORZ(TL): 0.149 J - -		Wind reactions based on MWFRS						
NCBCL: 10.00		Mean Height: 15.00 ft		Building Code:		Creep Factor: 2.0		B	Brg Width = 4.0		Min Req = 2.2			
Soffit: 2.00		TCDL: 5.0 psf		FBC 7th Ed. 2020 Res.		Max TC CSI: 0.884		J	Brg Width = -		Min Req = -			
Load Duration: 1.25		BCDL: 5.0 psf		TPI Std: 2014		Max BC CSI: 0.956		Bearing B is a rigid surface.						
Spacing: 24.0 "		MWFRS Parallel Dist: 0 to h/2		Rep Fac: Yes		Max Web CSI: 0.920		Members not listed have forces less than 375#						
		C&C Dist a: 4.05 ft		FT/RT: 20(0)/10(0)				Maximum Top Chord Forces Per Ply (lbs)						
		Loc. from endwall: Any		Plate Type(s):				Chords	Tens.Comp.	Chords	Tens. Comp.			
		GCpi: 0.18		WAVE				B - C	1263 - 3397	F - G	1206 - 2844			
		Wind Duration: 1.60				VIEW Ver: 20.01.01A.0724.11		C - D	1150 - 2845	G - H	1400 - 3518			
								D - E	1019 - 2186	H - I	1166 - 3001			
								E - F	1029 - 2151					

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

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=40'3" uses the following support conditions: 40'3"

Bearing J (40'3", 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.

Loading

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

Wind

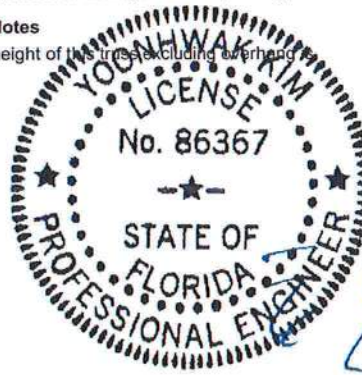
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of the truss including overhang 10'-5-11".



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

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

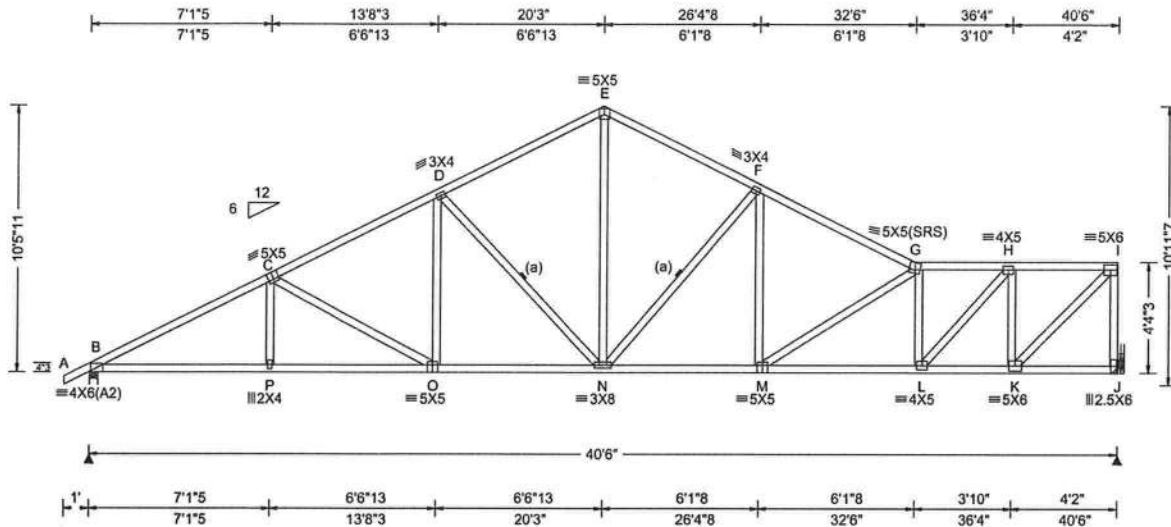
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 609459 / FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4936 Johnson Devon (Lexington) Truss Label: G05	Cust: R 215 JRef: 1X402150009 T51 / DrwNo: 084.21.1328.00591 / YK 03/25/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCCL: 10.00 BCCL: 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: 4.05 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): 0.210 N 999 480 VERT(CL): 0.405 N 999 360 HORZ(LL): 0.080 K - - HORZ(TL): 0.153 K - - Creep Factor: 2.0 Max TC CSI: 0.711 Max BC CSI: 0.878 Max Web CSI: 0.868 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1852 - / - / - / 1055 / 298 / 278 J 1740 - / - / - / 854 / 295 / - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 2.2 J Brg Width = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

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.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10'-5-11".



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

Chords	Tens.Comp.	Chords	Tens. Comp.
B - P	2930 - 701	N - M	2390 - 538
P - O	2927 - 702	M - L	2867 - 745
O - N	2423 - 548	L - K	1714 - 485

Webs	Tens.Comp.	Webs	Tens. Comp.
C - O	188 - 562	M - G	260 - 555
O - D	502 - 28	G - L	336 - 1192
D - N	261 - 850	L - H	1662 - 367
E - N	1463 - 341	H - K	493 - 1538
N - F	292 - 849	K - I	2278 - 639
F - M	523 - 83	I - J	526 - 1711

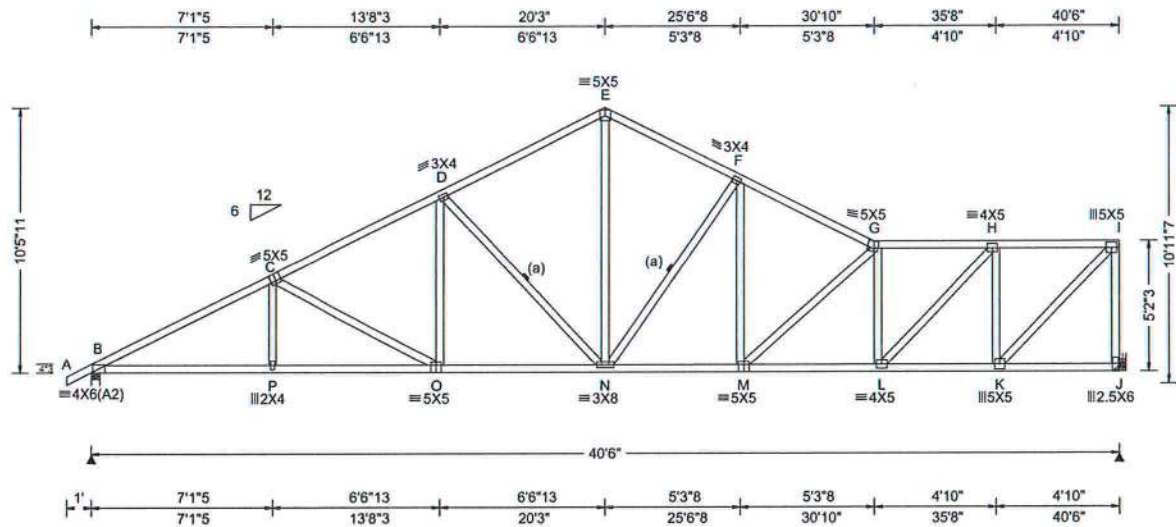
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 613130 FROM: CDM	COMN Qty: 1	Job Number: 20-4936 Johnson Devon (Lexington) Truss Label: G06	Cust: R 215 JRef: 1X402150009 T2 DrwNo: 084.21.1336.29603 / YK 03/25/2021
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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): 0.205 N 999 480	B	1782	/-	/-	/1004	/277	/268
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.397 N 999 360	J	1761	/-	/-	/866	/306	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.075 K - -	Wind reactions based on MWFRS						
	EXP: C Kzt: NA		HORZ(TL): 0.146 K - -	B	Brg Width = 4.0		Min Req = 2.1			
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 2.0	J	Brg Width = -		Min Req = -			
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Max TC CSI: 0.745	Bearing B is a rigid surface.						
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max BC CSI: 0.883	Members not listed have forces less than 375#						
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max Web CSI: 0.843	Maximum Top Chord Forces Per Ply (lbs)						
Spacing: 24.0 "	C&C Dist a: 4.05 ft	Rep Fac: Yes		Chords	Tens.Comp.	Chords	Tens. Comp.			
	Loc. from endwall: not in 6.50 ft	FT/RT:20(0)/10(0)		B - C	714 - 3377	F - G	686 - 2653			
	GCpi: 0.18	Plate Type(s):	VIEW Ver: 20.01.01A.0724.11	C - D	773 - 3200	G - H	712 - 2655			
	Wind Duration: 1.60	WAVE		D - E	625 - 2149	H - I	453 - 1531			
				E - F	626 - 2125					

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

Loading

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

Wind

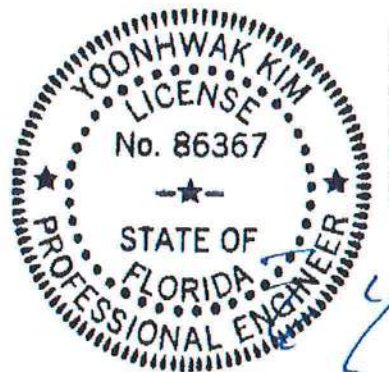
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10'-5-11".



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - P	2938 - 743	N - M	2295 - 552
P - O	2936 - 744	M - L	2718 - 730
O - N	2424 - 586	L - K	1620 - 484

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - O	205 - 571	M - G	254 - 560
O - D	507 - 34	G - L	305 - 1064
D - N	263 - 857	L - H	1547 - 341
E - N	1478 - 361	H - K	525 - 1493
N - F	296 - 806	K - I	2212 - 654
F - M	561 - 122	I - J	570 - 1722

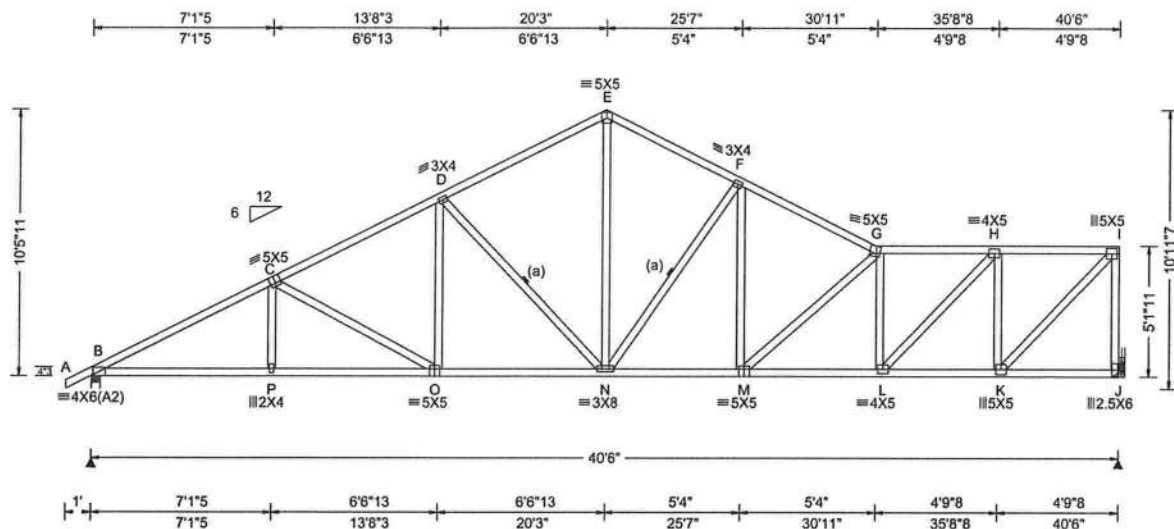
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 613104 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4936 Johnson Devon (Lexington) Truss Label: G07	Cust: R215 JRef: 1X402150009 T20 DrwNo: 084.21.1336.31963 / YK 03/25/2021
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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): 0.206 N 999 480	B	1850	/-	/-	/1061	/295	/277
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.398 N 999 360	J	1760	/-	/-	/865	/305	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.076 K - -	Wind reactions based on MWFRS						
	EXP: C Kzt: NA		HORZ(TL): 0.146 K - -	B	Brg Width = 4.0			Min Req = 2.2		
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 2.0	J	Brg Width = -			Min Req = -		
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Max TC CSI: 0.713	Bearing B is a rigid surface.						
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max BC CSI: 0.883	Members not listed have forces less than 375#						
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max Web CSI: 0.843	Maximum Top Chord Forces Per Ply (lbs)						
Spacing: 24.0 "	C&C Dist a: 4.05 ft	Rep Fac: Yes		Chords	Tens.Comp.		Chords	Tens. Comp.		
	Loc. from endwall: not in 6.50 ft	FT/RT:20(0)/10(0)		B - C	702 - 3365		F - G	686 - 2657		
	GCpl: 0.18	Plate Type(s):								
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11							

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=40'3" uses the following support conditions: 40'3"
 Bearing J (40'3", 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.

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.
 Wind loading based on both gable and hip roof types.

Additional Notes
 The overall height of the truss excluding overhang is 10'-5-11".

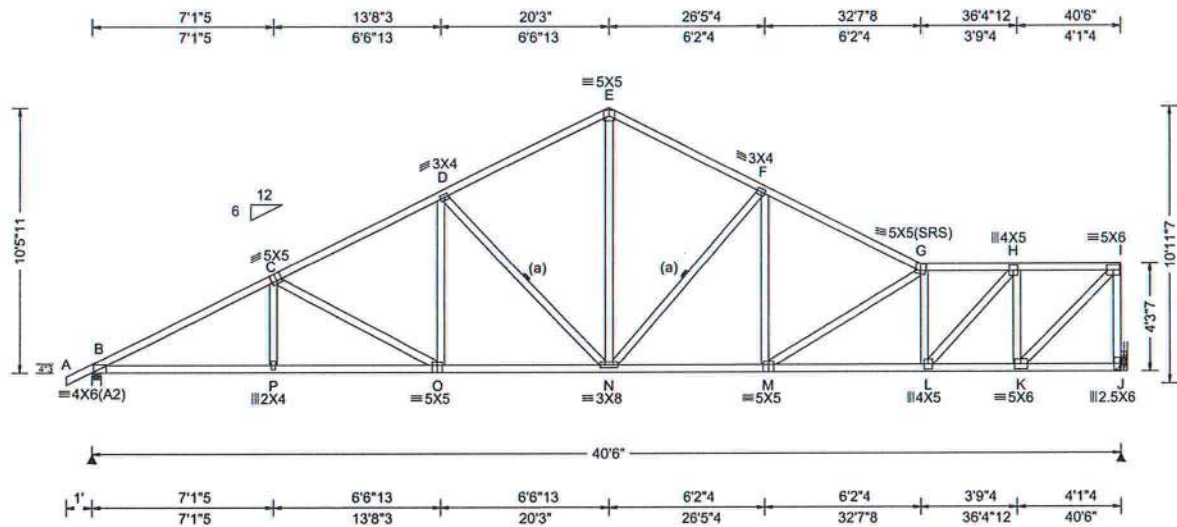


FL REG# 278, Yoonhwak Kim, FL PE #86367
 03/25/2021

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

SEQN: 609455 / FROM: CDM	COMN Qty: 1	Job Number: 20-4936 Johnson Devon (Lexington) Truss Label: G08	Cust: R 215 JRef: 1X402150009 T46 / DrwNo: 084.21.1328.00856 / YK 03/25/2021
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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): 0.210 N 999 480	B	1852	-	-	/1055	/298	/278
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.405 N 999 360	J	1741	-	-	/856	/295	-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.080 J - -	Wind reactions based on MWFRS						
	EXP: C Kzt: NA		HORZ(TL): 0.154 J - -	B	Brg Width = 4.0		Min Req = 2.2			
Des Ld: 40.00	Mean Height: 15.00 ft	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Creep Factor: 2.0	J	Brg Width = -		Min Req = -			
NCBCLL: 10.00	TCDL: 5.0 psf		Max TC CSI: 0.711	Bearing B is a rigid surface.						
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.878	Members not listed have forces less than 375#						
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h		Max Web CSI: 0.865	Maximum Top Chord Forces Per Ply (lbs)						
Spacing: 24.0 "	C&C Dist a: 4.05 ft			Chords	Tens.Comp.		Chords	Tens. Comp.		
	Loc. from endwall: not in 6.50 ft			B - C	691	-3369	F - G	678	-2777	
	GCp: 0.18		VIEW Ver: 20.01.01A.0724.11	C - D	656	-2818	G - H	721	-2791	
	Wind Duration: 1.60			D - E	610	-2153	H - I	448	-1605	
				E - F	614	-2147				

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

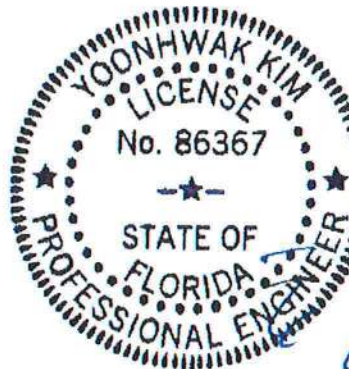
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 10'-5-11".



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - P	2930 - 698	N - M	2398 - 537
P - O	2927 - 699	M - L	2879 - 745
O - N	2424 - 545	L - K	1717 - 483

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - O	188 - 562	M - G	261 - 556
O - D	502 - 28	G - L	339 - 1204
D - N	261 - 849	L - H	1676 - 371
E - N	1462 - 339	H - K	487 - 1539
N - F	292 - 852	K - I	2271 - 632
F - M	520 - 80	I - J	524 - 1710

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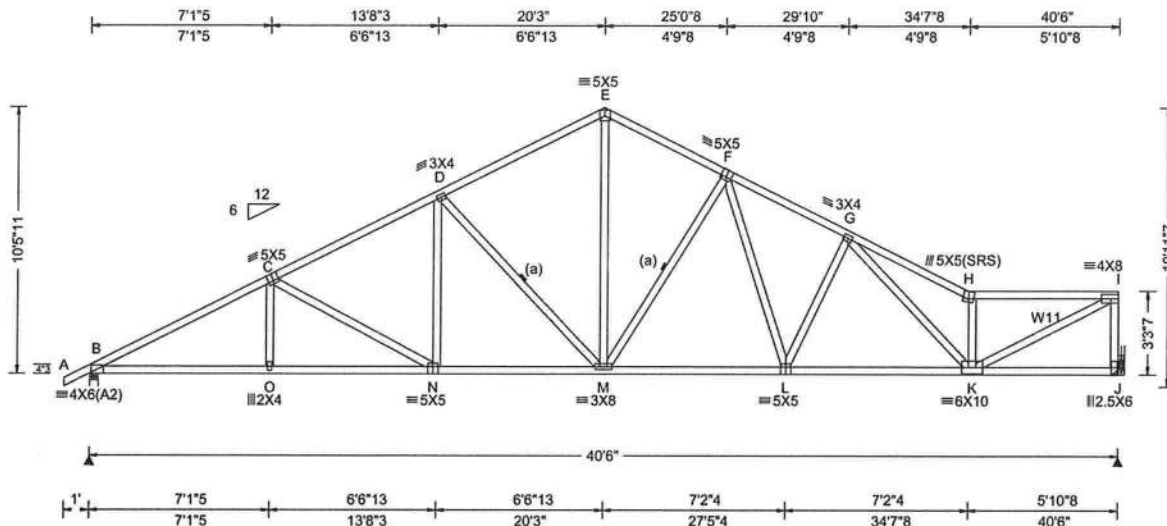
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 609453 / FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4936 Johnson Devon (Lexington) Truss Label: G09	Cust: R 215 JRef: 1X402150009 T50 / DrwNo: 084.21.1328.00606 / YK 03/25/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
				Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	B	1865	/-	/-	/1050	/301	/279
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.231 M 999 480	J	1757	/-	/-	/881	/290	/-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.441 M 999 360	Wind reactions based on MWFRS						
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.078 J - -	B	Brg Width = 4.0		Min Req = 2.2			
	EXP: C Kzt: NA		HORZ(TL): 0.149 J - -	J	Brg Width = -		Min Req = -			
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 2.0	Bearing B is a rigid surface.						
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Max TC CSI: 0.837	Members not listed have forces less than 375#						
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max BC CSI: 0.961	Maximum Top Chord Forces Per Ply (lbs)						
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max Web CSI: 0.761	Chords	Tens.Comp.	Chords	Tens. Comp.			
Spacing: 24.0 "	C&C Dist a: 4.05 ft	Rep Fac: Yes		B - C	681 - 3398	F - G	701 - 2852			
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	VIEW Ver: 20.01.01A.0724.11	C - D	646 - 2845	G - H	914 - 3526			
	GCpl: 0.18	Plate Type(s):		D - E	599 - 2186	H - I	722 - 3006			
	Wind Duration: 1.60	WAVE		E - F	606 - 2153					

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

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.
Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10'-5-11".



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - O	2955 - 652	M - L	2283 - 446
O - N	2952 - 654	L - K	2695 - 581
N - M	2448 - 499		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - N	187 - 562	L - G	253 - 491
N - D	492 - 29	G - K	597 - 263
D - M	264 - 845	H - K	644 - 1890
E - M	1512 - 337	K - I	3369 - 804
M - F	276 - 776	I - J	486 - 1707
F - L	715 - 166		

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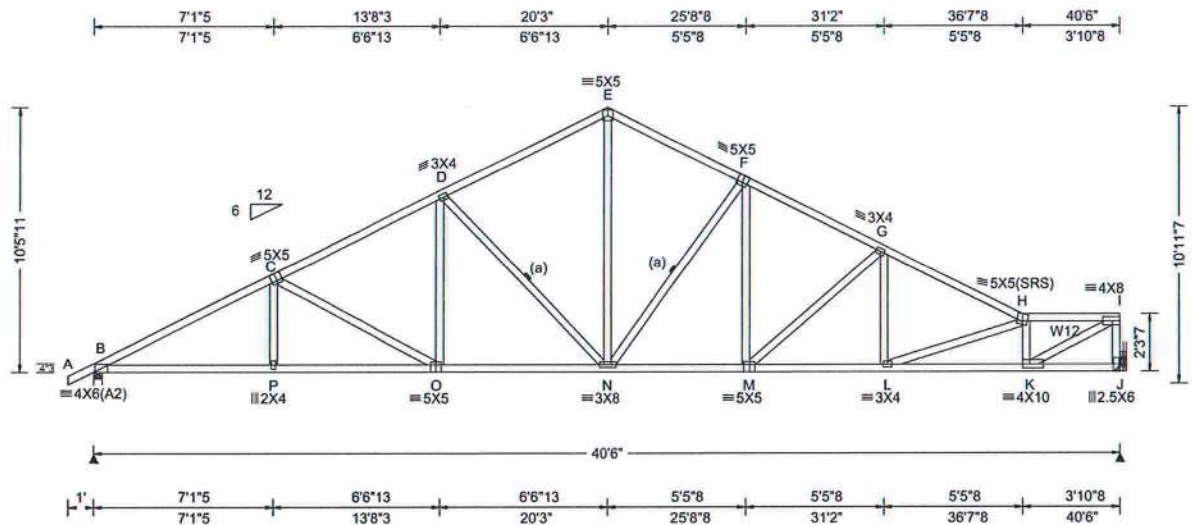
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 609451 / FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4936 Johnson Devon (Lexington) Truss Label: G10	Cust: R215 JRef: 1X402150009 T48 / DrwNo: 084.21.1328.00637 / YK 03/25/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
				Loc	R+	/R-	/Rh	/Rw	/U	/RL
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	B	1851	/-	/-	/1047	/32	/281
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.223 M 999 480	J	1734	/-	/-	/909	/33	/-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.430 M 999 360	Wind reactions based on MWFRS						
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.085 J - -	B	Brg Width = 4.0		Min Req = 2.2			
Des Ld: 40.00	EXP: C Kzt: NA	Building Code: FBC 7th Ed. 2020 Res.	HORZ(TL): 0.164 J - -	J	Brg Width = -		Min Req = -			
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	Bearing B is a rigid surface.						
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.711	Members not listed have forces less than 375#						
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.882	Maximum Top Chord Forces Per Ply (lbs)						
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.752	Chords	Tens.Comp.	Chords	Tens. Comp.			
	C&C Dist a: 4.05 ft	FT/RT:20(0)/10(0)		B - C	674	-3365	F - G	645	-2679	
	Loc. from endwall: not in 13.00 ft	Plate Type(s):	VIEW Ver: 20.01.01A.0724.11	C - D	639	-2815	G - H	692	-3175	
	GCp: 0.18	WAVE		D - E	592	-2149	H - I	672	-2923	
	Wind Duration: 1.60			E - F	598	-2126				

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W12 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

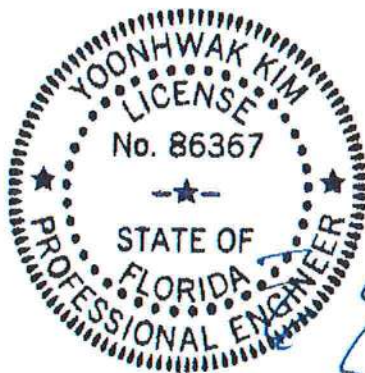
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 10-5-11.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - P	2926 -610	N - M	2308 -410
P - O	2924 -611	M - L	2768 -559
O - N	2421 -456	L - K	3149 -735

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - O	189 -561	M - G	223 -597
O - D	503 -28	L - H	198 -394
D - N	262 -852	H - K	433 -1558
E - N	1467 -320	K - I	3330 -764
N - F	261 -805	I - J	433 -1699
F - M	576 -97		

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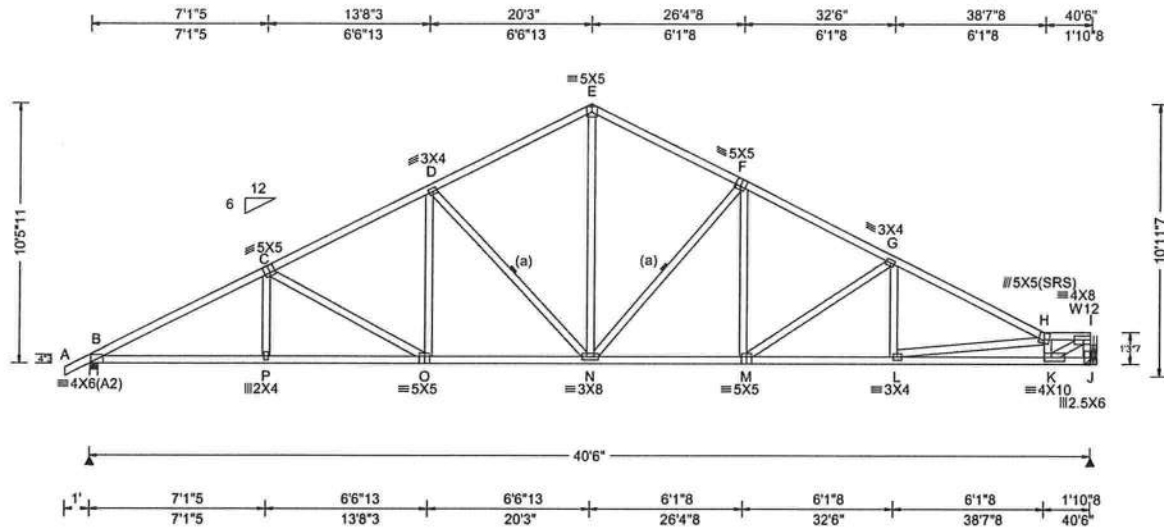
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 609449 / FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4936 Johnson Devon (Lexington) Truss Label: G11	Cust: R215 JRef: 1X402150009 T34 / DrwNo: 084.21.1328.00825 / YK 03/25/2021
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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: 4.05 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.221 N 999 480 VERT(CL): 0.426 N 999 360 HORZ(LL): 0.091 J - - HORZ(TL): 0.176 J - - Creep Factor: 2.0 Max TC CSI: 0.710 Max BC CSI: 0.900 Max Web CSI: 0.723 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 1852 - /- /- /1044 /33 /282 J 1740 - /- /- /938 /30 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 2.2 J Brg Width = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W12 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.
Wind loading based on both gable and hip roof types.

Additional Notes
The overall height of this truss excluding overhang is 10'-5-11".



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

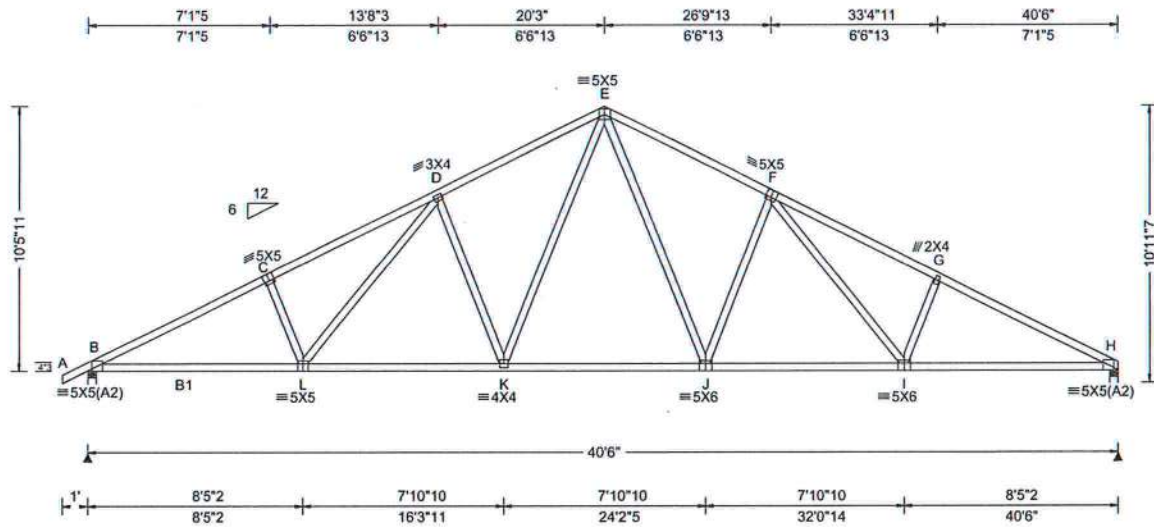
Chords	Tens.Comp.	Chords	Tens. Comp.
B - P	2930 -570	N - M	2383 -386
P - O	2927 -572	M - L	2908 -551
O - N	2423 -415	L - K	3219 -718

Webs	Tens.Comp.	Webs	Tens. Comp.
C - O	190 -562	F - M	549 -64
O - D	502 -29	M - G	221 -617
D - N	261 -848	H - K	459 -1740
E - N	1454 -303	K - I	3203 -690
N - F	260 -836	I - J	358 -1702

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

SEQN: 613127 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4936 Johnson Devon (Lexington) Truss Label: G12	Cust: R 215 JRef: 1X402150009 T30 DrwNo: 084.21.1336.34233 / YK 03/25/2021
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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): 0.228 K 999 480	B	1960	/-	/-	/1042	/33	/290
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.415 K 999 360	H	1892	/-	/-	/985	/28	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.077 I - -	Wind reactions based on MWFRS						
	EXP: C Kzt: NA		HORZ(TL): 0.140 I - -	B	Brg Width = 4.0		Min Req = 2.3			
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 2.0	H	Brg Width = 4.0		Min Req = 1.6			
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Max TC CSI: 0.714	Bearings B & H are a rigid surface.						
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max BC CSI: 0.941	Members not listed have forces less than 375#						
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max Web CSI: 0.709	Maximum Top Chord Forces Per Ply (lbs)						
Spacing: 24.0 "	C&C Dist a: 4.05 ft	Rep Fac: Yes		Chords	Tens.	Comp.	Chords	Tens.	Comp.	
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		B - C	679	-3602	E - F	666	-2735	
	GCpi: 0.18	Plate Type(s):	VIEW Ver: 20.01.01A.0724.11	C - D	731	-3454	F - G	741	-3469	
	Wind Duration: 1.60	WAVE		D - E	665	-2738	G - H	689	-3618	

Lumber

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

Loading

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

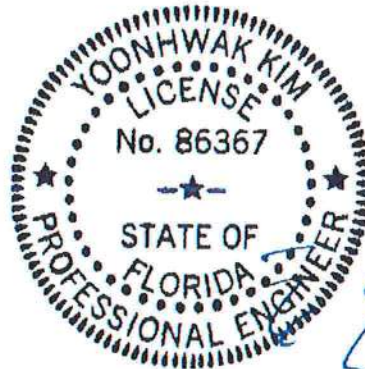
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-5-11.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

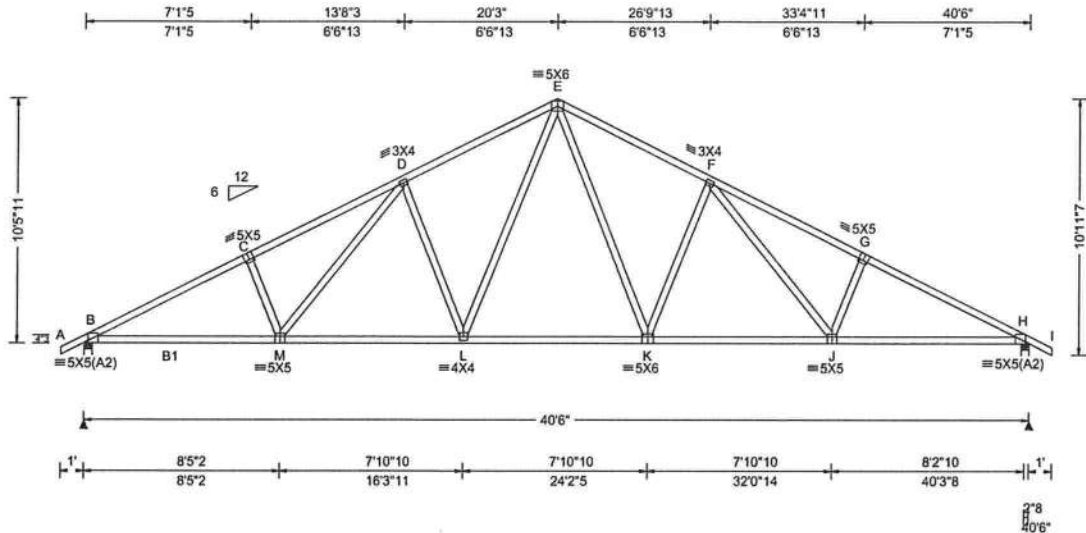
Maximum Bot Chord Forces Per Ply (lbs)					
Chords	Tens.Comp.		Chords	Tens. Comp.	
B - L	3139	-543	J - I	2609	-370
L - K	2611	-389	I - H	3155	-536
K - J	1985	-207			

Maximum Web Forces Per Ply (lbs)					
Webs	Tens.Comp.		Webs	Tens. Comp.	
L - D	661	-145	E - J	1046	-208
D - K	292	-672	J - F	293	-674
K - E	1051	-208	F - I	683	-164

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

SEQN: 613125 FROM: CDM	COMN Ply: 1 Qty: 4	Job Number: 20-4936 Johnson Devon (Lexington) Truss Label: G13	Cust: R 215 JRef: 1X402150009 T24 DrwNo: 084.21.1336.35720 / YK 03/25/2021
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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: 4.03 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/defl L/# VERT(LL): 0.228 L 999 480 VERT(CL): 0.415 L 999 360 HORZ(LL): 0.077 J - - HORZ(TL): 0.139 J - - Creep Factor: 2.0 Max TC CSI: 0.714 Max BC CSI: 0.941 Max Web CSI: 0.709 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 1960 - /- /- /1042 /33 /300 H 1960 - /- /- /1042 /33 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 2.3 H Brg Width = 4.0 Min Req = 1.6 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 678 -3601 E - F 664 -2735 C - D 730 -3453 F - G 730 -3455 D - E 664 -2737 G - H 678 -3603

Lumber

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

Loading

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

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 10'-5-11".

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - M	3138 -508	K - J	2609 -340
M - L	2610 -354	J - H	3140 -494
L - K	1984 -172		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
M - D	661 -145	E - K	1048 -209
D - L	293 -673	K - F	293 -674
L - E	1051 -208	F - J	665 -145



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

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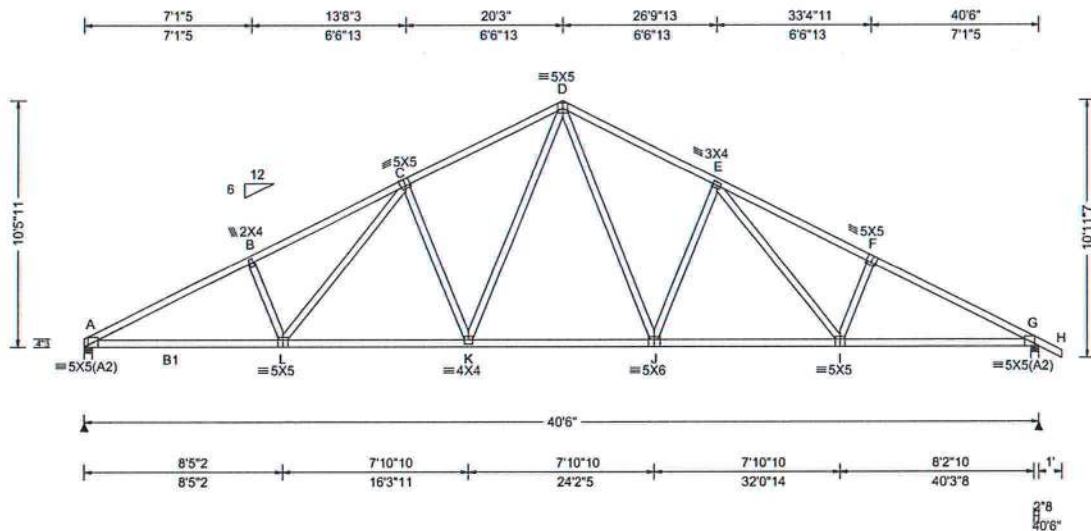
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 613123 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4936 Johnson Devon (Lexington) Truss Label: G14	Cust: R215 JRef: 1X402150009 T21 DrwNo: 084.21.1336.37160 / YK 03/25/2021
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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: 4.03 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/defl L/# VERT(LL): 0.228 K 999 480 VERT(CL): 0.415 K 999 360 HORZ(LL): 0.076 I - - HORZ(TL): 0.139 I - - Creep Factor: 2.0 Max TC CSI: 0.734 Max BC CSI: 0.948 Max Web CSI: 0.709 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL A 1892 /- /- /985 /28 /290 G 1960 /- /- /1042 /33 /- Wind reactions based on MWFRS A Brg Width = 4.0 Min Req = 2.2 G Brg Width = 4.0 Min Req = 1.6 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 690 -3616 D - E 665 -2736 B - C 742 -3468 E - F 731 -3456 C - D 666 -2737 F - G 679 -3604

Lumber

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

Loading

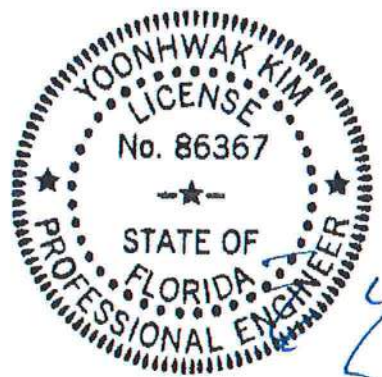
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 10'-5-11".



FL REG# 278, Yoonhwak Kim, FL PE #86367
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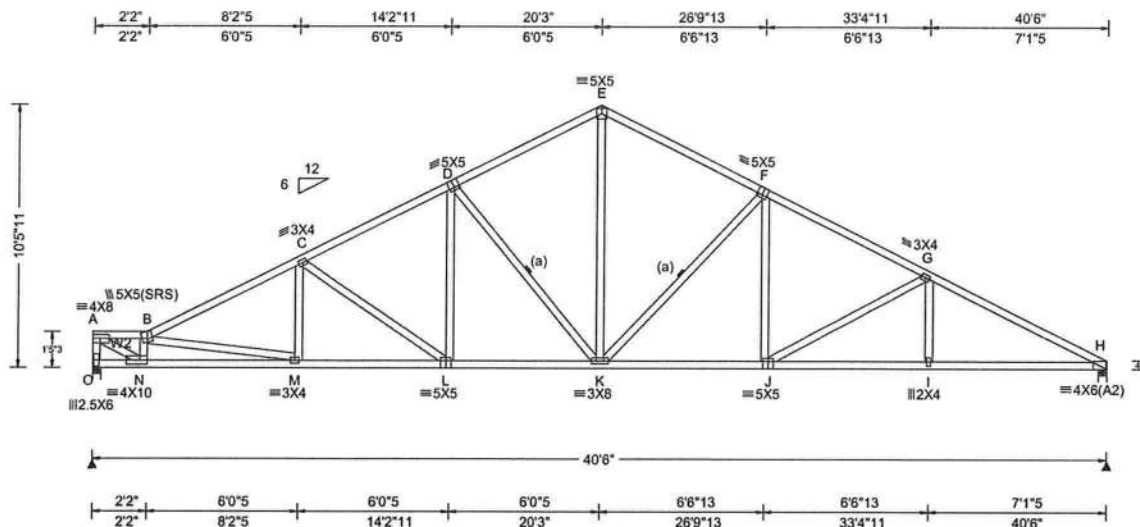
Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
A - L	3154 -514	J - I	2610 -342
L - K	2610 -355	I - G	3140 -495
K - J	1985 -173		

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
L - C	679 -165	D - J	1047 -209
C - K	293 -672	J - E	292 -674
K - D	1050 -208	E - I	665 -145

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 613098 FROM: CDM	COMN Qty: 1	Job Number: 20-4936 Johnson Devon (Lexington) Truss Label: G15	Cust: R 215 JRef: 1X402150009 T16 DrwNo: 084.21.1336.39263 / YK 03/25/2021
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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: 4.05 ft Loc. from endwall: not in 13.00 ft GCpl: 0.18 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): 0.221 K 999 480 VERT(CL): 0.427 K 999 360 HORZ(LL): 0.090 I - - HORZ(TL): 0.174 I - - Creep Factor: 2.0 Max TC CSI: 0.716 Max BC CSI: 0.888 Max Web CSI: 0.737 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL O 1768 -/- /947 /31 /272 H 1784 -/- /988 /28 -/ Wind reactions based on MWFRS O Brg Width = 4.0 Min Req = 2.1 H Brg Width = 4.0 Min Req = 2.1 Bearings O & 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 613 -2802 E - F 591 -2155 B - C 688 -3315 F - G 640 -2822 C - D 642 -2762 G - H 685 -3383 D - E 594 -2144

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W2 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.
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'-5-11".



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
N - M	3228 -686	K - J	2426 -364
M - L	2890 -527	J - I	2942 -532
L - K	2375 -370	I - H	2945 -531

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - O	389 -1728	D - K	260 -831
A - N	3265 -713	E - K	1456 -306
N - B	452 -1704	F - K	261 -849
C - L	221 -614	F - J	508 -37
L - D	554 -69	J - G	210 -576

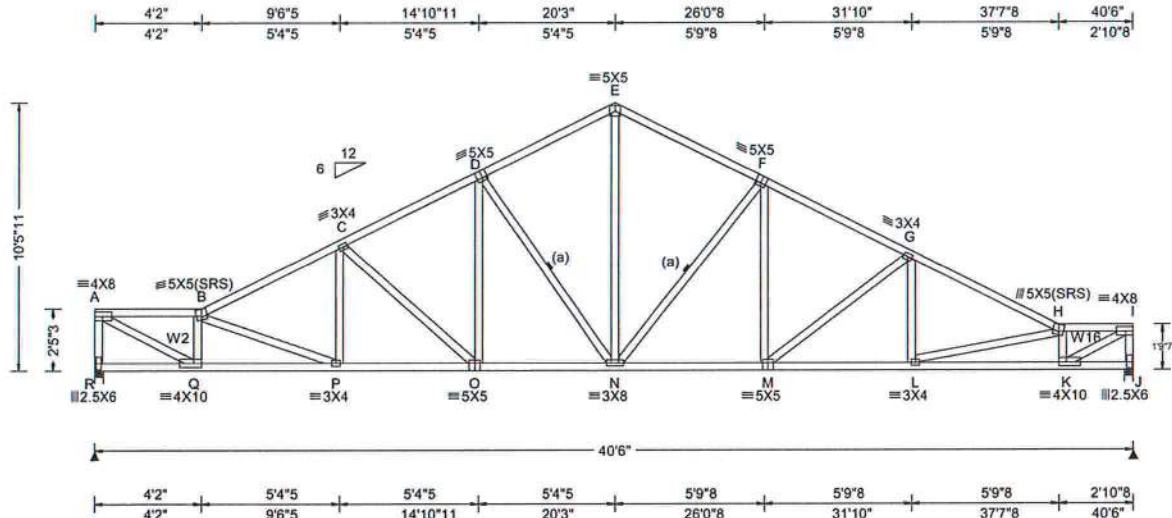
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ALPINE
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6750 Forum Drive
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SEQN: 613092 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4936 Johnson Devon (Lexington) Truss Label: G16	Cust: R 215 JRef: 1X402150009 T15 DrwNo: 084.21.1336.41060 / YK 03/25/2021
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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): 0.226 N 999 480	R	1767	-	-	/922	/35	/234
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.439 N 999 360	J	1770	-	-	/942	/33	-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.080 J - -	Wind reactions based on MWFRS						
	EXP: C Kzt: NA		HORZ(TL): 0.155 J - -	R	Brg Width = 4.0		Min Req = 2.1			
Des Ld: 40.00	Mean Height: 15.22 ft		Creep Factor: 2.0	J	Brg Width = 4.0		Min Req = 2.1			
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Max TC CSI: 0.575	Bearings R & J are a rigid surface.						
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max BC CSI: 0.858	Members not listed have forces less than 375#						
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max Web CSI: 0.754	Maximum Top Chord Forces Per Ply (lbs)						
Spacing: 24.0 "	C&C Dist a: 4.05 ft	Rep Fac: Yes		Chords	Tens.Comp.		Chords	Tens. Comp.		
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		A - B	690	-2937	E - F	608	-2144	
	GCpi: 0.18	Plate Type(s):	VIEW Ver: 20.01.01A.0724.11	B - C	706	-3166	F - G	657	-2739	
	Wind Duration: 1.60	WAVE		C - D	658	-2681	G - H	702	-3266	
				D - E	610	-2136	H - I	657	-2900	

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W2, W16 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.
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 10'-5-11".



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

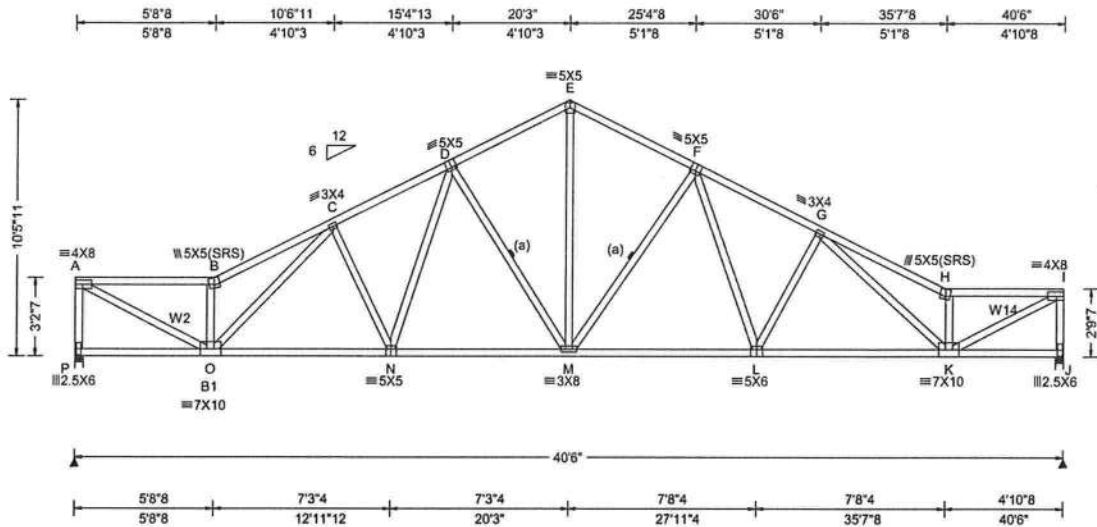
Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
Q - P	3146 -726	N - M	2357 -411
P - O	2760 -560	M - L	2848 -567
O - N	2311 -418	L - K	3215 -743

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
A - R	463 -1724	E - N	1499 -344
A - Q	3339 -782	N - F	264 -830
Q - B	440 -1547	F - M	566 -79
B - P	202 -404	M - G	222 -603
C - O	225 -594	H - K	446 -1638
O - D	582 -101	K - I	3336 -755
D - N	265 -808	I - J	424 -1733

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SEQN: 613089 FROM: CDM	COMN Qty: 1	Ply: 1 Job Number: 20-4936 Johnson Devon (Lexington) Truss Label: G17	Cust: R 215 JRef: 1X402150009 T14 DrwNo: 084.21.1336.42857 / YK 03/25/2021
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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: 15.72 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.05 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.232 M 999 480 VERT(CL): 0.441 M 999 360 HORZ(LL): 0.067 A - - HORZ(TL): 0.128 A - - Creep Factor: 2.0 Max TC CSI: 0.796 Max BC CSI: 0.921 Max Web CSI: 0.785 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL P 1807 - /- /- /903 /53 /207 J 1810 - /- /- /916 /38 - Wind reactions based on MWFRS P Brg Width = 4.0 Min Req = 2.1 J Brg Width = 4.0 Min Req = 1.5 Bearings P & 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.
				A - B 746 -3060 E - F 628 -2214 B - C 943 -3591 F - G 727 -2965 C - D 727 -2909 G - H 933 -3642 D - E 629 -2209 H - I 733 -3091

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31; B1 2x4 SP #2;
Webs: 2x4 SP #3; W2, W14 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.

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 10'-5-11".



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
O - N	2748 -602	M - L	2364 -458
N - M	2335 -469	L - K	2805 -602

Maximum Web Forces Per Ply (lbs)

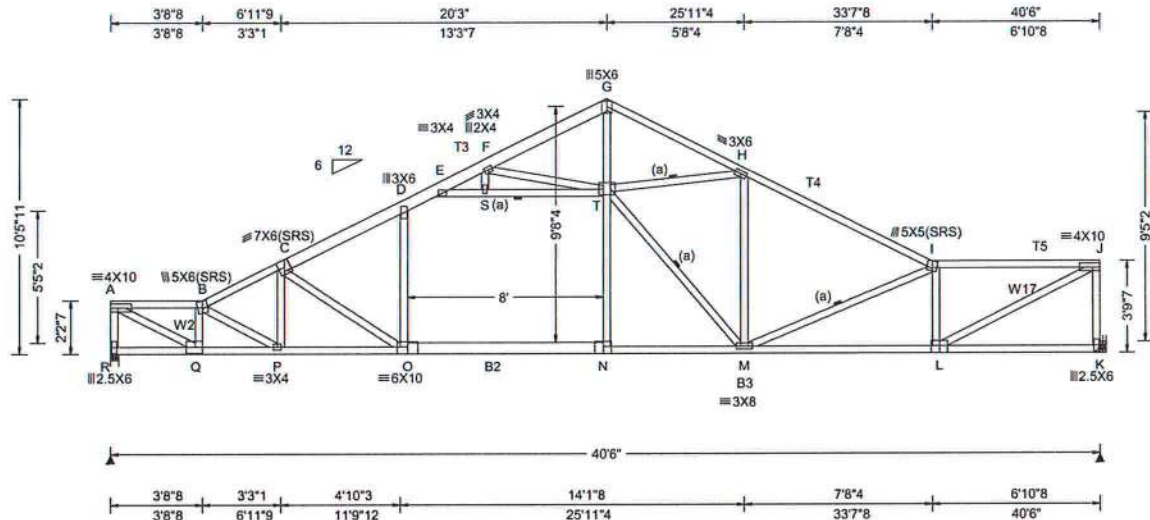
Webs	Tens.Comp.	Webs	Tens. Comp.
A - P	512 -1753	M - F	284 -791
A - O	3431 -831	F - L	708 -154
O - B	656 -1914	L - G	251 -471
O - C	597 -264	G - K	552 -241
C - N	255 -488	H - K	628 -1909
N - D	703 -167	K - I	3476 -820
D - M	286 -778	I - J	489 -1758
E - M	1594 -376		

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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: 15.43 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.08 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/defl L/# VERT(LL): 0.310 O 999 480 VERT(CL): 0.601 O 809 360 HORZ(LL): 0.099 D - - HORZ(TL): 0.192 D - - Creep Factor: 2.0 Max TC CSI: 0.427 Max BC CSI: 0.954 Max Web CSI: 0.937 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL R 2191 /- /- /935 /33 /222 K 2038 /- /- /887 /75 /- Wind reactions based on MWFRS R Brg Width = 4.0 Min Req = 2.6 K Brg Width = - Min Req = - Bearing R 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 682 -3640 F - G 230 -1151 B - C 769 -4305 G - H 211 -1132 C - D 685 -3840 H - I 672 -3354 D - E 676 -3363 I - J 749 -3412 E - F 324 -1445

Lumber
Top chord: 2x4 SP #2; T3 2x6 SP 2400f-2.0E; T4, T5 2x4 SP M-31;
Bot chord: 2x4 SP #2; B2 2x6 SP 2400f-2.0E; B3 2x4 SP M-31;
Webs: 2x4 SP #3; W2, W17 2x4 SP #2;

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

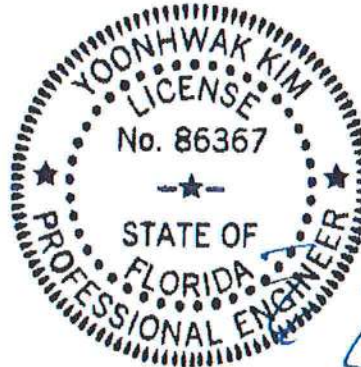
Plating Notes
All plates are 6X8 except as noted.

Loading
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.
Attic room loading from 12-1-4 to 20-1-4: Live Load: 30 PSF. Dead Load: 5 PSF Ceiling: 5 PSF, Kneewalls: 5 PSF
Truss designed for sleeping room only. No waterbeds permitted. Provide information to contractor, architect, and bldg owner. Trusses to be visibly stamped to indicate 30.00 psf MAX LL.

Purlins
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.
The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

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 10'-5-11".



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

Chords	Tens.Comp.	Chords	Tens. Comp.
Q - P	3946 -805	N - M	3340 -564
P - O	3836 -716	M - L	3550 -789
O - N	3350 -563		

Maximum Web Forces Per Ply (lbs)	Webbs	Tens.Comp.	Webbs	Tens. Comp.
A - R	461	-2138	G - T	707 -135
A - Q	4151	-775	T - H	557 -2152
Q - B	428	-2015	T - M	310 -1041
C - O	227	-648	H - M	1029 -109
D - O	850	-60	M - I	325 -713
E - S	451	-2364	I - L	479 -1653
S - T	451	-2365	L - J	3842 -840
N - T	661	0	J - K	536 -1979

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SEQN: 613121 FROM: CDM Page 2 of 2	COMN Qty: 1	Job Number: 20-4936 Johnson Devon (Lexington) Truss Label: G18	Cust: R 215 JRef: 1X402150009 T13 DrwNo: 084.21.1336.48393 / YK 03/25/2021
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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=40'3" uses the following support conditions: 40'3"

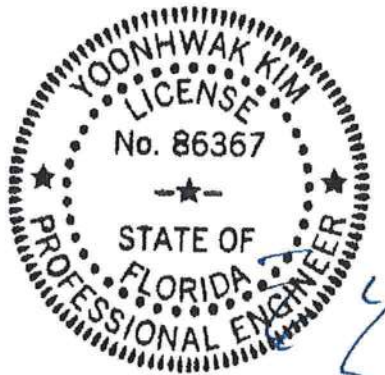
Bearing K (40'3", 9'1"2) HUS26

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

(14) 0.148"x3" nails into supporting

member,

(6) 0.148"x3" nails into supported member.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

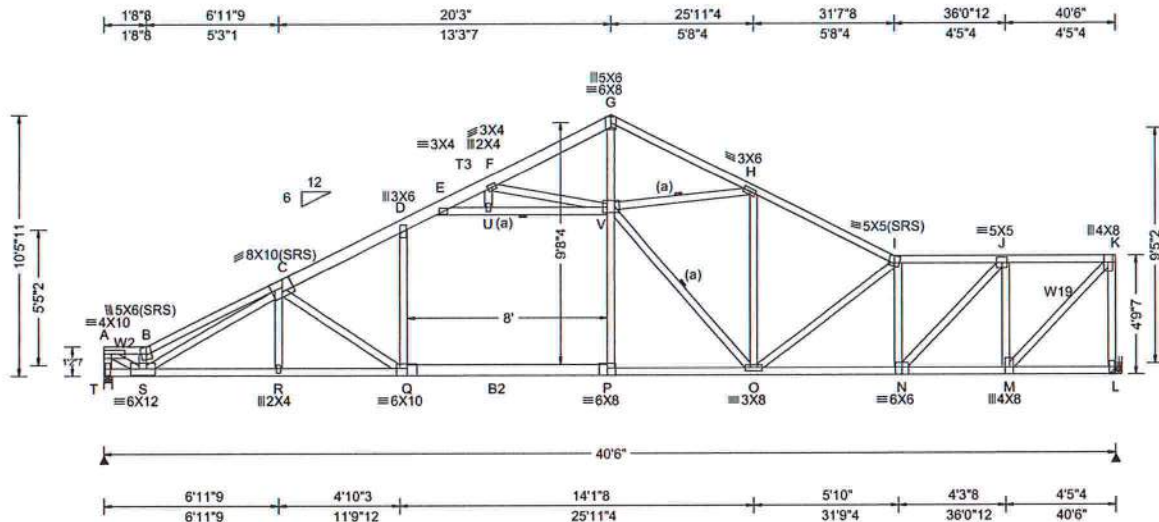
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ALPINE
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6750 Forum Drive
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 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: 4.08 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/defl L/# VERT(LL): 0.288 Q 999 480 VERT(CL): 0.520 Q 935 360 HORZ(LL): 0.097 D - - HORZ(TL): 0.187 D - - Creep Factor: 2.0 Max TC CSI: 0.774 Max BC CSI: 0.569 Max Web CSI: 0.897 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL T 2192 /- /- /971 /26 /246 L 2038 /- /- /863 /111 /- Wind reactions based on MWFRS T Brg Width = 4.0 Min Req = 1.8 L Brg Width = - Min Req = - Bearing T 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; T3 2x6 SP 2400F-2.0E;
Bot chord: 2x4 SP M-31; B2 2x6 SP 2400F-2.0E;
Webs: 2x4 SP #3; W2, W19 2x4 SP #2;

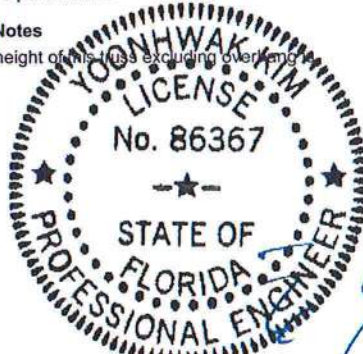
Bracing
(a) Continuous lateral restraint equally spaced on member.

Plating Notes
All plates are 2.5X6 except as noted.

Hangers / Ties
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Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.
Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.
Bearing at location x=40'3" uses the following support conditions: 40'3"
Bearing L (40'3", 9'1"2) HUS26
Supporting Member: (2)2x6 SP 2400F-2.0E
(14) 0.148"x3" nails into supporting member,
(6) 0.148"x3" nails into supported member.

Loading
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.
Attic room loading from 12-1-4 to 20-1-4: Live Load: 30 PSF. Dead Load: 5 PSF Ceiling: 5 PSF, Kneewalls: 5 PSF
Truss designed for sleeping room only. No waterbeds permitted. Provide information to contractor, architect, and bldg owner. Trusses to be visibly stamped to indicate 30.00 psf MAX LL.

Additional Notes
The overall height of this truss excluding overhang is 10'-5"-11".



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

Chords	Tens.Comp.	Chords	Tens. Comp.
S - R	3893 -753	P - O	3338 -595
R - Q	3889 -754	O - N	3331 -747
Q - P	3348 -595	N - M	1917 -483

Chords	Tens.Comp.	Chords	Tens. Comp.
A - B	612 -3453	F - G	248 -1155
B - C	844 -4262	G - H	227 -1130
C - D	684 -3849	H - I	687 -3302
D - E	674 -3363	I - J	726 -3241
E - F	342 -1443	J - K	450 -1801

Chords	Tens.Comp.	Chords	Tens. Comp.
A - T	371 -2060	V - H	547 -2126
A - S	3972 -703	V - O	296 -1050
S - B	513 -2043	H - O	1040 -129
C - Q	229 -714	O - I	260 -562
D - Q	871 -60	I - N	326 -1389
E - U	411 -2352	N - J	1990 -365
U - V	411 -2353	J - M	518 -1796
P - V	672 0	M - K	2607 -651
G - V	688 -113	K - L	562 -2001

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

SEQN: 613119	COMN	Ply: 1	Job Number: 20-4936	Cust: R 215	JRef: 1X402150009	T18
FROM: CDM		Qty: 1	Johnson Devon (Lexington)	DrwNo: 084.21.1336.52963		
Page 2 of 2			Truss Label: G19	/ YK	03/25/2021	

Purlins

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

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

Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

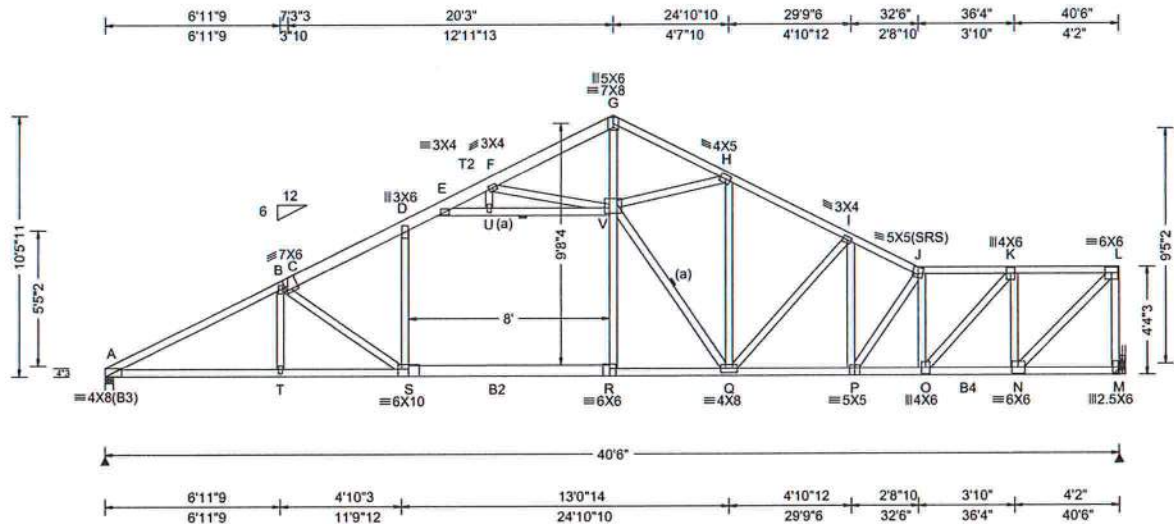
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Suite 305
Orlando FL, 32821



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 to 2h C&C Dist a: 4.05 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.282 S 999 480 VERT(CL): 0.526 S 920 360 HORZ(LL): 0.100 D - - HORZ(TL): 0.196 D - - Creep Factor: 2.0 Max TC CSI: 0.716 Max BC CSI: 0.725 Max Web CSI: 0.987 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 2153 /- /- /999 /33 /268 M 1982 /- /- /868 /95 /- Wind reactions based on MWFRS A Brg Width = 4.0 Min Req = 1.5 M Brg Width = - Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber
Top chord: 2x4 SP #2; T2 2x6 SP 2400f-2.0E;
Bot chord: 2x4 SP M-31; B2 2x6 SP 2400f-2.0E;
B4 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.

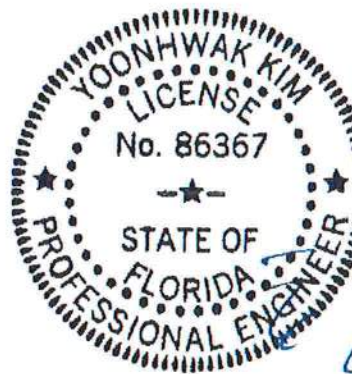
Loading
Attic room loading from 12-1-4 to 20-1-4: Live Load: 30 PSF. Dead Load: 5 PSF Ceiling: 5 PSF, Kneewalls: 5 PSF
Truss designed for sleeping room only. No waterbeds permitted. Provide information to contractor, architect, and bldg owner. Trusses to be visibly stamped to indicate 30.00 psf MAX LL.

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

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

Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.
A - T 3656 -709 Q - P 3070 -638
T - S 3657 -708 P - O 3262 -732
S - R 3221 -566 O - N 1949 -488
R - Q 3211 -566

Maximum Web Forces Per Ply (lbs)
Webs Tens.Comp. Webs Tens. Comp.
C - S 201 -630 H - Q 1272 -215
D - S 851 -52 Q - I 249 -589
E - U 380 -2304 I - P 381 -100
U - V 380 -2305 J - O 295 -1408
R - V 607 0 O - K 1888 -346
G - V 624 -133 K - N 503 -1750
V - H 520 -2075 N - L 2590 -643
V - Q 307 -1265 L - M 541 -1948



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

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ALPINE
ANTW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 613038	COMN	Ply: 1	Job Number: 20-4936	Cust: R 215	JRef: 1X402150009	T36
FROM: CDM		Qty: 1	Johnson Devon (Lexington)	DrwNo: 084.21.1336.57440		
Page 2 of 2			Truss Label: G20	/ YK	03/25/2021	

Hangers / Ties

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

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

Bearing at location x=40'3" uses the following support conditions: 40'3"

Bearing M (40'3", 9'1"2) HUS26

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

(14) 0.162"x3.5" nails into supporting

member,

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

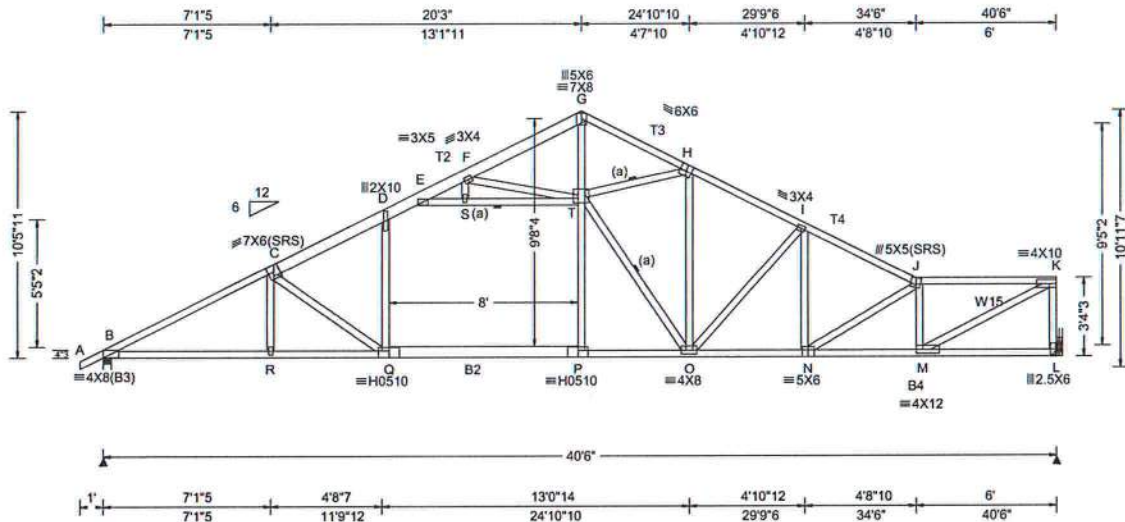
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6750 Forum Drive
Suite 305
Orlando FL, 32821



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 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: 4.05 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, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.292 Q 999 480 VERT(CL): 0.612 Q 791 360 HORZ(LL): 0.110 D - - HORZ(TL): 0.231 D - - Creep Factor: 2.0 Max TC CSI: 0.434 Max BC CSI: 0.936 Max Web CSI: 0.906 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 2394 /- /- /1051 /300 /279 L 2089 /- /- /894 /295 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.7 L Brg Width = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 1274 -4566 G - H 335 -987 C - D 1176 -4081 H - I 1117 -3296 D - E 1131 -3539 I - J 1214 -3760 E - F 542 -1354 J - K 1138 -3498 F - G 357 -1030

Lumber
Top chord: 2x4 SP M-31; T2 2x6 SP 2400f-2.0E; T3, T4 2x4 SP #2;
Bot chord: 2x4 SP M-31; B2 2x6 SP 2400f-2.0E;
B4 2x4 SP #2;
Webs: 2x4 SP #3; W15 2x4 SP #2;

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

Plating Notes
All plates are 2X4 except as noted.

Loading
Attic room loading from 12-1-4 to 20-1-4: Live Load: 30 PSF. Dead Load: 5 PSF Ceiling: 5 PSF, Kneewalls: 5 PSF
Truss designed for sleeping room only. No waterbeds permitted. Provide information to contractor, architect, and bldg owner. Trusses to be visibly stamped to indicate 30.00 psf MAX LL.
Truss supports 400# mech unit; unit centered at 15'-7-15"; supported by BC; unit width 3'-0-0"; supported by 3 trusses.

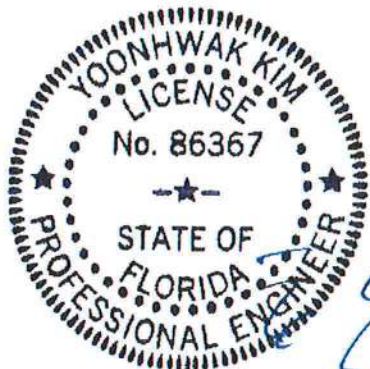
Purlins
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Additional Notes
The overall height of this truss excluding overhang is 10'-5-11".

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

Chords	Tens.Comp.	Chords	Tens. Comp.
B - R	4007 - 1209	P - O	3541 - 952
R - Q	4007 - 1211	O - N	3290 - 1010
Q - P	3553 - 951	N - M	3666 - 1202

Webs	Tens.Comp.	Webs	Tens. Comp.
C - Q	329 - 640	H - O	1379 - 389
D - Q	1020 - 128	O - I	313 - 604
E - S	685 - 2630	I - N	379 - 84
S - T	686 - 2632	N - J	229 - 446
P - T	756 - 0	J - M	674 - 1770
G - T	615 - 144	M - K	3947 - 1282
T - H	871 - 2279	K - L	736 - 2031
T - O	315 - 1270		



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

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

SEQN: 613031	COMN	Ply: 1	Job Number: 20-4936	Cust: R 215	JRef: 1X402150009	T40
FROM: CDM		Qty: 1	Johnson Devon (Lexington)	DrwNo: 084.21.1337.02773		
Page 2 of 2			Truss Label: G21	/ YK	03/25/2021	

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 $x=40'3"$ uses the following support conditions: 40'3"

Bearing L (40'3", 9'1"2) HUS26

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

(14) 0.162"x3.5" nails into supporting member,

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



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03/25/2021

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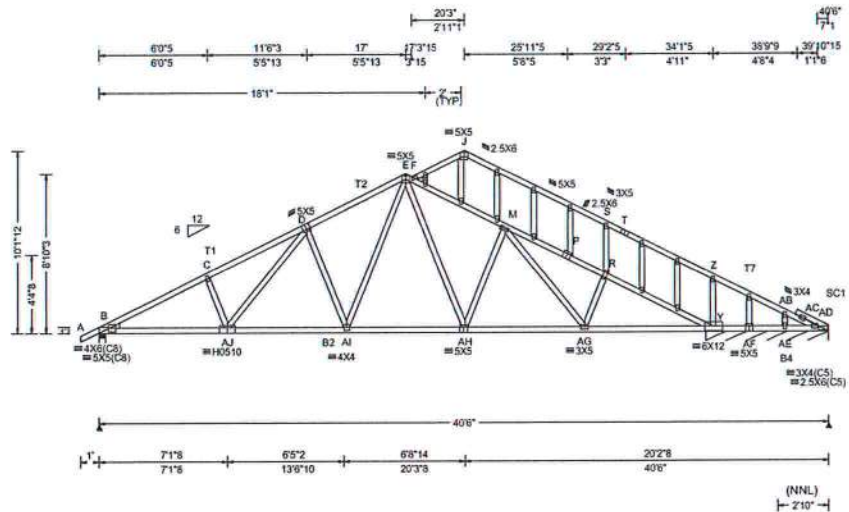
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 613135 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 20-4936 Johnson Devon (Lexington) Truss Label: G22	Cust: R 215 JRef: 1X402150009 T41 DrwNo: 084.21.1337.11210 / YK 03/25/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 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: 4.05 ft Loc. from endwall: not in 8.50 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/defl L/# VERT(LL): 0.253 N 999 480 VERT(CL): 0.496 N 822 360 HORZ(LL): 0.094 Z - - HORZ(TL): 0.185 Z - - Creep Factor: 2.0 Max TC CSI: 0.657 Max BC CSI: 0.975 Max Web CSI: 0.868 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 2869 - / - / - / 1519 / 681 / 840 AD*531 - / - / - / 373 / 196 - AF - / -105 Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 2.0 AD Brg Width = 82.0 Min Req = - Bearings B & Y are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

Top chord: 2x4 SP #2; T1,T2,T7 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B2,B4 2x4 SP #2;
Webs: 2x4 SP #3;
Stack Chord: SC1 2x4 SP #2; Lt Wedge: 2x4 SP #3;

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 2.30 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

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

The overall height of this truss including overhang is 10'-1-12".



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - AJ	4442 - 1377	AG - Y	4365 - 1252
AJ - AI	3696 - 1072	Y - AF	800 - 223
AI - AH	2829 - 715	AF - AE	797 - 220
AH - AG	3480 - 902	AE - AD	799 - 204

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - AJ	354 - 675	E - AH	942 - 264
AJ - D	840 - 327	AH - M	326 - 857
D - AI	552 - 1159	M - AG	984 - 504
AI - E	1235 - 480	AG - R	524 - 817

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.Comp.	Gables	Tens. Comp.
R - S	360 - 596	AE - AB	179 - 400
Y - Z	627 - 801		

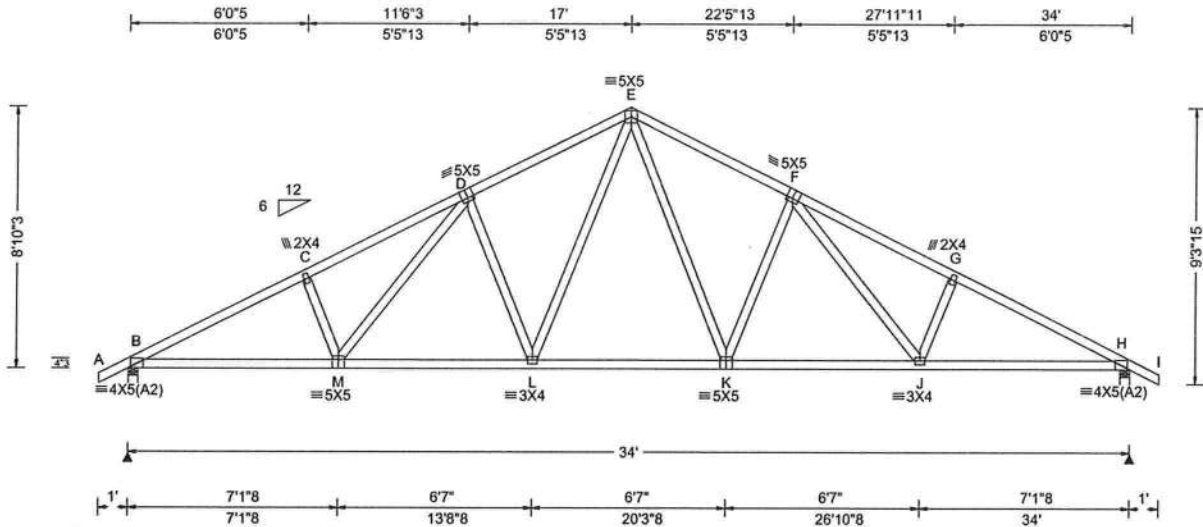
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.163 L 999 480	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.303 L 999 360	B	1618	/-	/-	/872	/257	/248
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.064 J - -	H	1618	/-	/-	/872	/257	/-
Des Ld: 40.00	EXP: C Kzt: NA	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.118 J - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	B	Brg Width = 4.0		Min Req = 1.9			
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.384	H	Brg Width = 4.0		Min Req = 1.9			
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.880	Bearings B & H are a rigid surface.						
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.524	Members not listed have forces less than 375#						
	C&C Dist a: 3.40 ft			Maximum Top Chord Forces Per Ply (lbs)						
	Loc. from endwall: Any			Chords	Tens.Comp.	Chords	Tens. Comp.			
	GCpi: 0.18			B - C	1059 - 2907	E - F	974 - 2208			
	Wind Duration: 1.60		VIEW Ver: 20.01.01A.0724.11							

Lumber

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

Loading

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

Wind

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

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

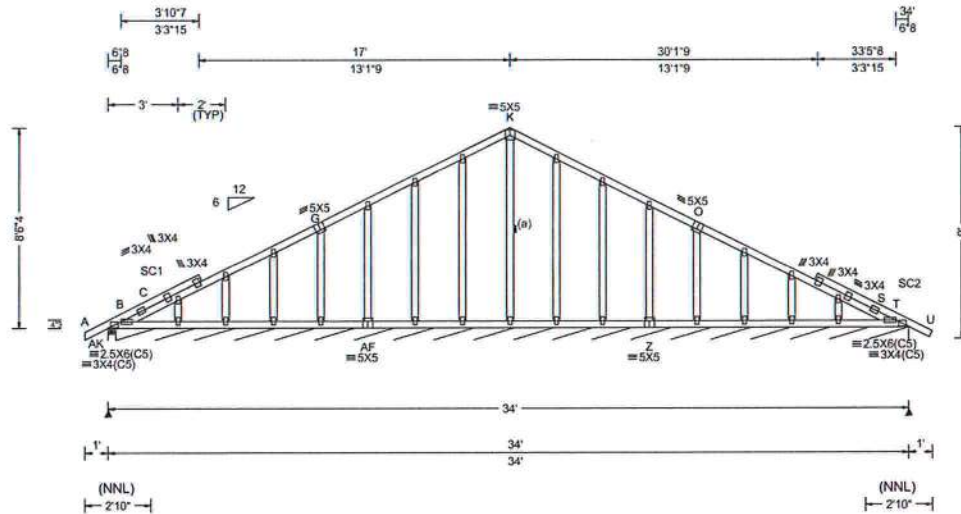
Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - M	2529 - 840	K - J	2107 - 594
M - L	2107 - 618	J - H	2530 - 822
L - K	1604 - 359		

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
M - D	526 - 221	E - K	836 - 324
D - L	393 - 551	K - F	393 - 553
L - E	839 - 323	F - J	528 - 220

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SEQN: 609267 / FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 20-4936 Johnson Devon (Lexington) Truss Label: G24	Cust: R 215 JRef: 1X402150009 T26 / DrwNo: 084.21.1328.00513 / YK 03/25/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-16 Speed: 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: 3.40 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): 0.003 S 999 480 VERT(CL): 0.006 S 999 360 HORZ(LL): 0.001 R - - HORZ(TL): 0.002 R - - Creep Factor: 2.0 Max TC CSI: 0.224 Max BC CSI: 0.059 Max Web CSI: 0.144 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL AK 412 /- /- /244 /31 /52 T* 153 /- /- /66 /- /- Non-Gravity Wind reactions based on MWFRS AK Brg Width = 4.0 Min Req = 1.5 T Brg Width = 404 Min Req = - Bearings AK & B 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 460 -138 G - K 487 -76 C - G 484 -88 K - O 434 -99

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

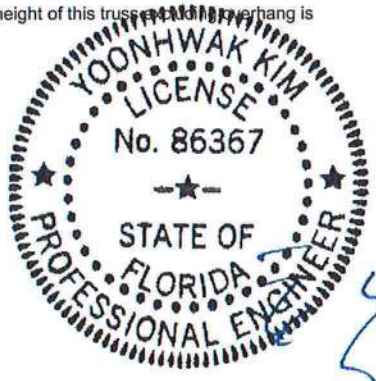
Bracing
(a) Continuous lateral restraint equally spaced on member.

Plating Notes
All plates are 2X4 except as noted.

Loading
Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 2.30 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

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

Additional Notes
See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.
Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.
The overall height of this truss including overhang is 8-6-4.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/25/2021

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Gable Stud Reinforcement Detail **ASCE 7-16: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00**

D1: 120 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00
 D2: 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00
 D3: 100 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00

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

Bracing Group Species and Grades:

Group A:

Spruce-Pine-Fir	Hen-Fir
#1 / #2 Standard	#2 Stud
#3 Stud	#3 Standard

Group B:

Douglas Fir-Larch	Southern Pine
#3 Stud	#3 Standard
#1 & #2	#1
#2	#2

1x4 Braces shall be SRB (Stress-Rated Board).
 ***For 1x4 So. Pine use only Industrial 35 or Industrial 45 Stress-Rated Boards. Group B values may be used with these grades.

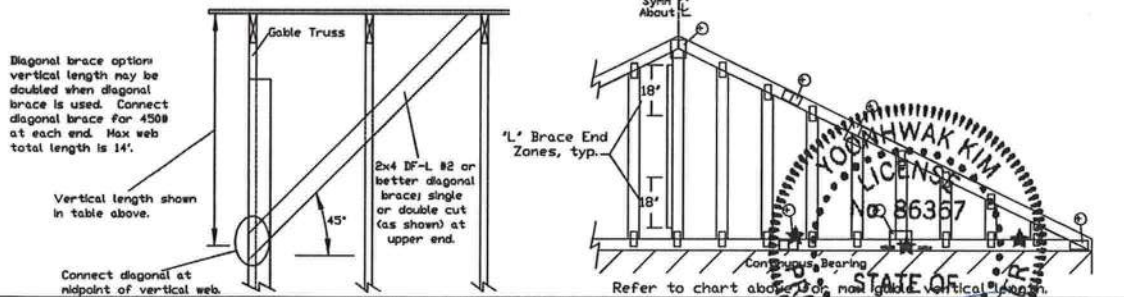
Gable Truss Detail Notes:
 Wind Load deflection criterion is L/240.
 Provide uplift connections for 55 plf over continuous bearing (3 psf TC Dead Load).
 Gable end supports load from 4' 0" outlookers with 2' 0" overhang, or 12' plywood overhang.

Attach 'L' braces with 10d (128"x30" min) nails.
 * For (1) 'L' brace: space nails at 2' o.c. in 18" end zones and 4' o.c. between zones.
 * For (2) 'L' braces: space nails at 3' o.c. in 18" end zones and 6' o.c. between zones.
 'L' bracing must be a minimum of 80% of web member length.

Gable Vertical Plate Sizes

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

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



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514 Earth City Expressway
Suite 242
Earth City, MO 63045

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 Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & 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 Sec2.
 For more information see this job's general notes page and these web sites: 11/25/2021
 ALPINE: www.alpine.com TPI: www.tpi.org SCAQ: www.scaq.org ICCI: www.icci.org

Yoonhwak Kim, FL PE #86367

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0'

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.

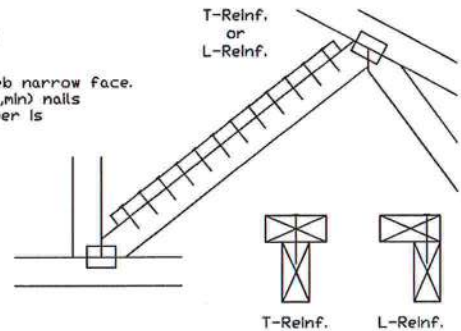
Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf.	Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x6
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6

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.

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

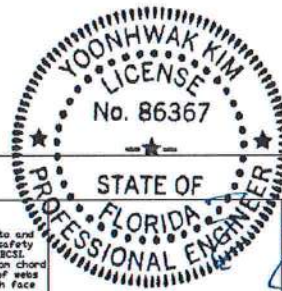
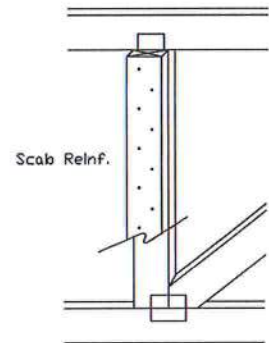
T-Reinforcement or L-Reinforcement:

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.



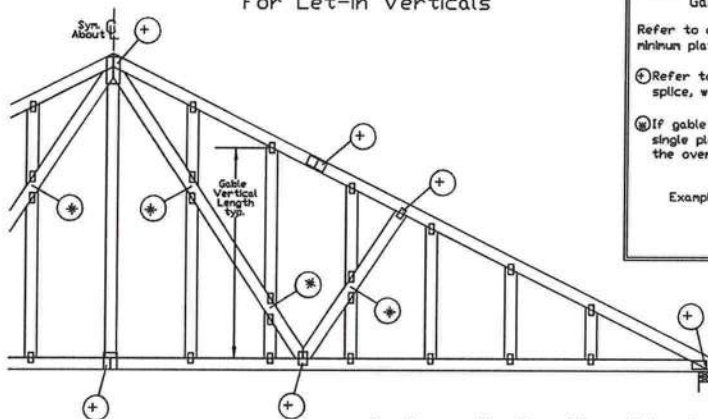
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For more information see this job's general notes page and these web sites: 1/5/2021
ALPINE: www.alpineinc.com TPI: www.tpi.org SCA: www.scaindustry.org ICCI: www.icci.org

Yoonhwak Kim, FL PE #86367

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

Gable Detail For Let-in Verticals



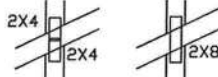
Gable Truss Plate Sizes

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

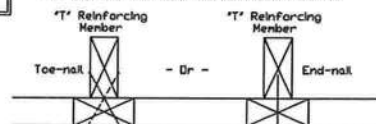
④ Refer to Engineered truss design for peak, splice, web, and heel plates.

⑤ If gable vertical plates overlap, use a single plate that covers the total area of the overlapped plates to span the web.

Example:



'T' Reinforcement Attachment Detail



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

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

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

Web Length Increase w/ 'T' Brace

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

Example:

ASCE 7-10 Wind Speed = 120 mph
Mean Roof Height = 30 ft, Kzt = 1.00

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

'T' Reinforcing Member Size = 2x4

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

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

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

Provide connections for uplift specified on the engineered truss design.

Attach each 'T' reinforcing member with

End Driven Nails:

10d Common (0.148"x3"min) Nails at 4' o.c. plus
(4) nails in the top and bottom chords.

Toenailed Nails:

10d Common (0.148"x3"min) Toenails at 4' o.c. plus
(4) toenails in the top and bottom chords.

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

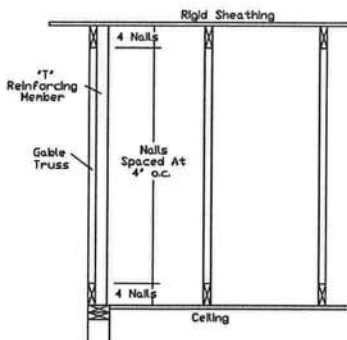
ASCE 7-05 Gable Detail Drawings

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

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

A11515ENC100118, A12015ENC100118, A14015ENC100118, A10015ENC100118, A14015ENC100118,
A18015ENC100118, A20015ENC100118, A20015ENC100118, A20015ENC100118, A20015ENC100118,
A11530ENC100118, A12030ENC100118, A14030ENC100118, A10030ENC100118, A14030ENC100118,
A18030ENC100118, A20030ENC100118, A20030ENC100118, A20030ENC100118, A20030ENC100118,
S11515ENC100118, S12015ENC100118, S14015ENC100118, S16015ENC100118, S18015ENC100118,
S11530ENC100118, S12030ENC100118, S14030ENC100118, S16030ENC100118, S18030ENC100118,
S18030ENC100118, S20030ENC100118, S20030ENC100118, S20030ENC100118, S20030ENC100118

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



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ALPINE: www.alpineinc.com TPI: www.tpi.org SCAQ: www.scaq.com BCSI: www.bcsi.org



Yoonhwak Kim, FL PE #86367

REF LET-IN VERT
DATE 01/02/2018
DRWG GBLETIN0118

MAX. TOT. LD. 60 PSF
DUR. FAC. ANY
MAX. SPACING 24.0'

