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

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www.alpineitw.com



Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 22-7195
Job Description: Lot 9 Kimberly Oaks - Garage Left	
Address: FL	

Job Engineering Criteria:	
Design Code: FBC 7th Ed. 2020 Res.	IntelliVIEW Version: 20.01.01A through 21.01.01A JRef #: 1XdW2150002
Wind Standard: ASCE 7-16 Wind Speed (mph): 130	Design Loading (psf): 40.00
Building Type: Closed	

This package contains general notes pages, 51 truss drawing(s) and 7 detail(s).

Item	Drawing Number	Truss	Item	Drawing Number	Truss
1	075.22.0949.53190	A01	2	075.22.0949.51379	A02
3	075.22.0949.50252	A03	4	075.22.0949.50097	A04
5	075.22.0949.50752	B01	6	075.22.0949.49940	B02
7	075.22.0949.50409	B03	8	075.22.0949.51378	C01
9	075.22.0949.50956	C02	10	075.22.0949.50878	C03
11	075.22.0949.51206	C04	12	075.22.0949.53315	E01
13	075.22.0949.52659	E02	14	075.22.0949.51456	E03
15	075.22.0949.49956	E04	16	075.22.0949.53409	E05
17	075.22.0949.53018	E06	18	075.22.0949.52862	E07
19	075.22.0949.52784	E08	20	075.22.0949.53346	E09
21	075.22.0949.52674	E10	22	075.22.0949.52175	E11
23	075.22.0949.53768	E12	24	075.22.0949.51768	E13
25	075.22.0949.53706	E14	26	075.22.0949.53112	E15
27	075.22.0949.53612	E16	28	075.22.0949.53456	E17
29	075.22.0949.53081	E18	30	075.22.0949.53924	E19
31	075.22.0949.50660	E20	32	075.22.0949.52315	E21
33	075.22.0949.52174	E22	34	075.22.0949.52456	E23
35	075.22.0949.52565	E24	36	075.22.0949.51362	E25
37	075.22.0949.52893	HJ01	38	075.22.0949.53534	HJ02
39	075.22.0949.53878	HJ03	40	075.22.0949.50612	J01
41	075.22.0949.51612	J02	42	075.22.0949.50862	J03
43	075.22.0949.50096	J04	44	075.22.0949.51457	J05
45	075.22.0949.51237	PB01	46	075.22.0949.51878	PB02
47	075.22.0949.51737	V01	48	075.22.0949.53831	V02
49	075.22.0949.53987	V03	50	075.22.0949.52065	V04
51	075.22.0949.52222	V05	52	A14015ENC160118	



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Site Information:	Page 2:
Customer: W. B. Howland Company, Inc.	Job Number: 22-7195
Job Description: Lot 9 Kimberly Oaks - Garage Left	
Address: FL	

Item	Drawing Number	Truss
53	A14030ENC160118	
55	GBLLETIN0118	
57	VAL180160118	

Item	Drawing Number	Truss
54	BRCLBSUB0119	
56	PB160160118	
58	VALTN160118	

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.

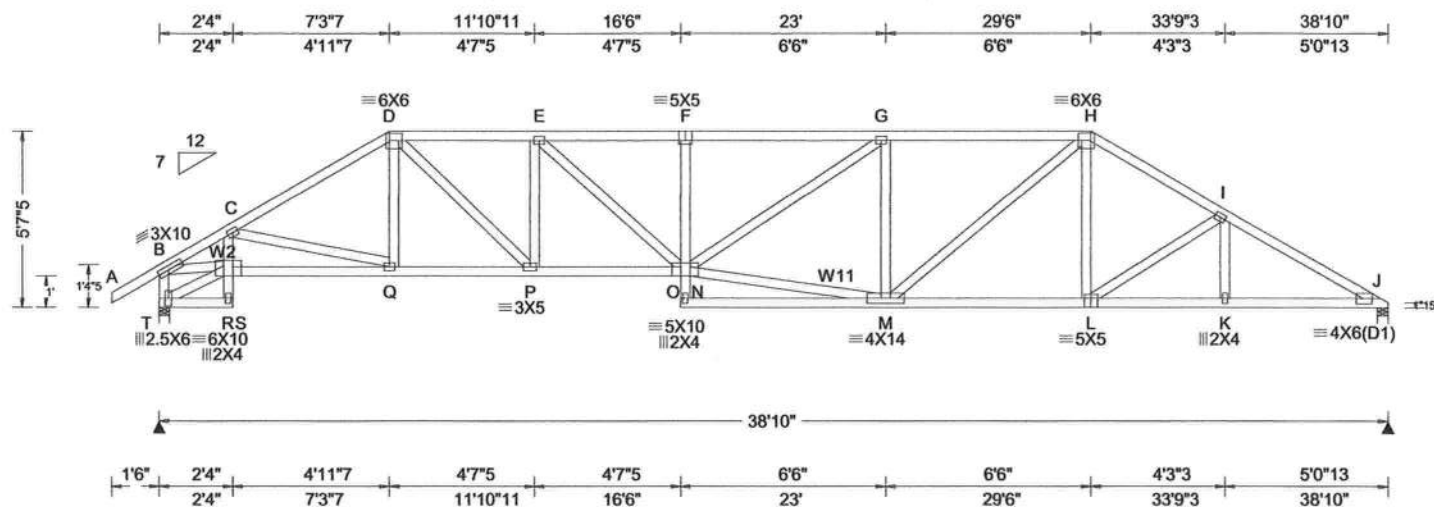
Connector Plate Information:

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.

SEQN: 619263 / FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: E03	Cust: R215 JRef: 1XdW2150002 T23 / DrwNo: 075.22.0949.51456 JB / WHK 03/16/2022
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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: 3.88 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): 0.265 F 999 480 VERT(CL): 0.547 F 848 360 HORZ(LL): 0.128 K - - HORZ(TL): 0.265 K - - Creep Factor: 2.0 Max TC CSI: 0.591 Max BC CSI: 0.925 Max Web CSI: 0.781 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ /R- /Rh /Rw /U /RL T 1712 - /- /- /969 /309 /170 J 1618 - /- /- /910 /276 /- Non-Gravity Wind reactions based on MWFRS T Brg Width = 4.0 Min Req = 2.0 J Brg Width = 4.0 Min Req = 1.9 Bearings T & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 1194 -3261 F - G 1614 -3656 C - D 1061 -2661 G - H 1286 -2871 D - E 1339 -3056 H - I 1041 -2561 E - F 1622 -3676 I - J 1063 -2953

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W2,W11 2x4 SP #2;

Plating Notes

All plates are 3X4 except as noted.

Wind

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 5'-7.5."



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Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
R - Q	2845 -1028	M - L	2155 -756
Q - P	2236 -812	L - K	2505 -858
P - N	3111 -1201	K - J	2508 -857

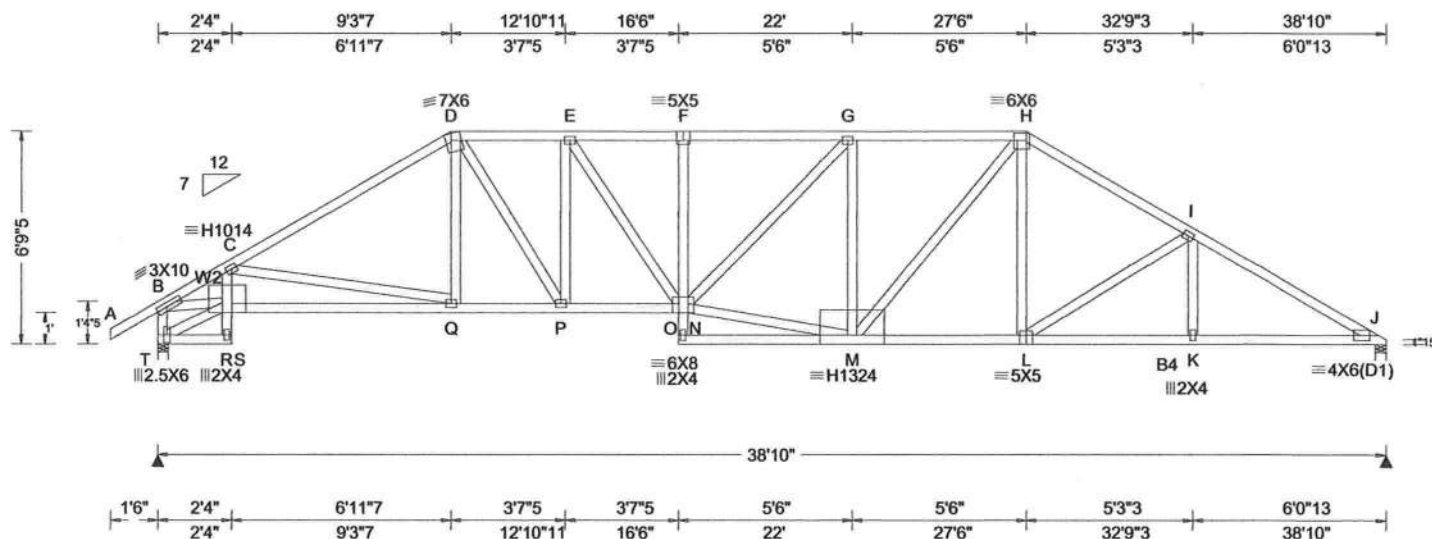
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B - T	644 -1645	N - G	915 -401
B - R	2778 -993	N - M	2843 -1091
C - Q	222 -627	G - M	569 -947
D - P	1139 -548	M - H	923 -477
P - E	467 -787	H - L	388 -22
E - N	764 -356	L - I	136 -423

****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: 619266 / FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: E04	Cust: R 215 JRef: 1XdW2150002 T18 / DrwNo: 075.22.0949.49956 JB / WHK 03/16/2022
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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: 3.88 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.210 F 999 480 VERT(CL): 0.423 F 999 360 HORZ(LL): 0.124 K - - HORZ(TL): 0.250 K - - Creep Factor: 2.0 Max TC CSI: 0.927 Max BC CSI: 0.886 Max Web CSI: 0.945 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ /R- /Rh Non-Gravity /Rw /U /RL T 1738 -/- /- /985 /306 /202 J 1672 -/- /- /926 /273 -/ Wind reactions based on MWFRS T Brg Width = 4.0 Min Req = 2.1 J Brg Width = 4.0 Min Req = 1.5 Bearings T & 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.

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B4 2x4 SP M-31;
Webs: 2x4 SP #3; W2 2x4 SP #2;

Plating Notes

All plates are 3X4 except as noted.

Loading

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

Wind

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 6'-9-5/8".

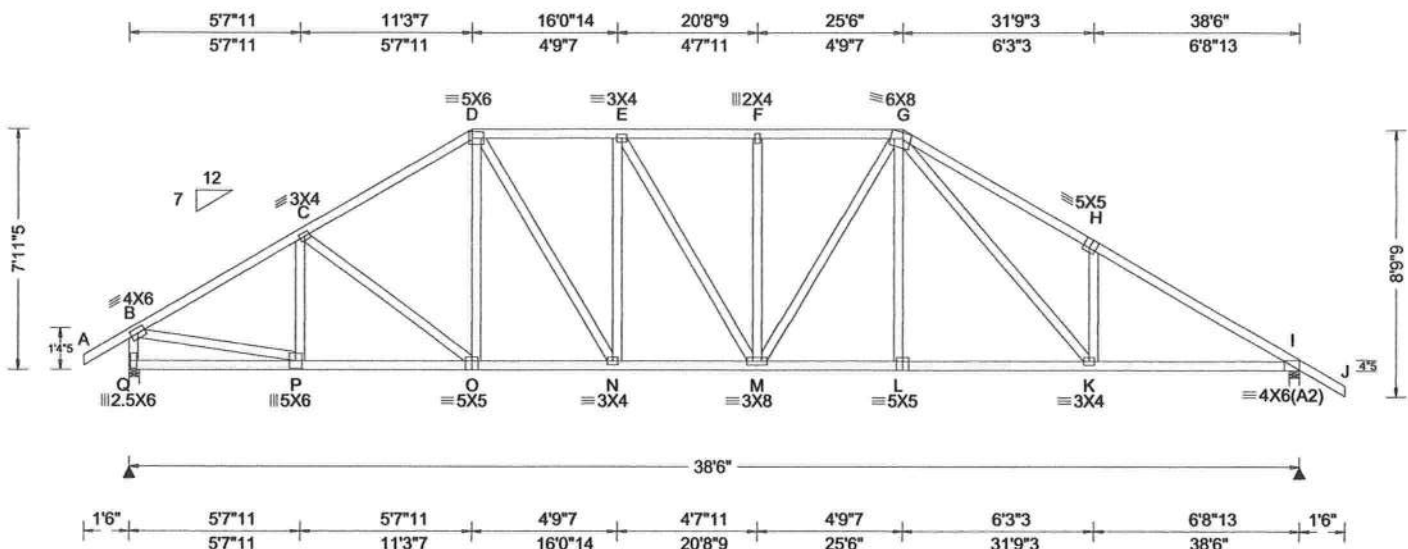


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SEQN: 632780 / FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: E05	Cust: R 215 JRef: 1XdW2150002 T21 / DrwNo: 075.22.0949.53409 JB / WHK 03/16/2022
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Loading 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: 3.85 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): 0.163 F 999 480 VERT(CL): 0.304 F 999 360 HORZ(LL): 0.063 I - - HORZ(TL): 0.118 I - - Creep Factor: 2.0 Max TC CSI: 0.647 Max BC CSI: 0.748 Max Web CSI: 0.764 VIEW Ver: 21.01.01A.0521.20	Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL Q 1866 - / - / - / 991 / 300 / 249 I 1912 - / - / - / 1023 / 301 / - Wind reactions based on MWFRS Q Brg Width = 4.0 Min Req = 2.2 I Brg Width = 4.0 Min Req = 1.9 Bearings Q & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 682 -2411 F - G 848 -2325 C - D 773 -2327 G - H 958 -3047 D - E 833 -2267 H - I 814 -3072 E - F 848 -2324

Lumber

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

Loading

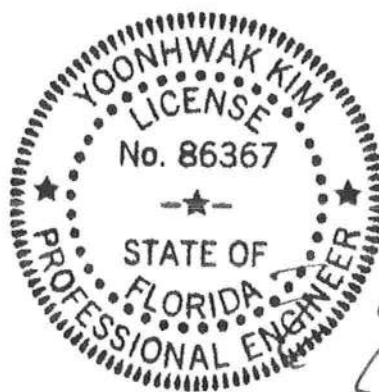
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 7'-11.5".

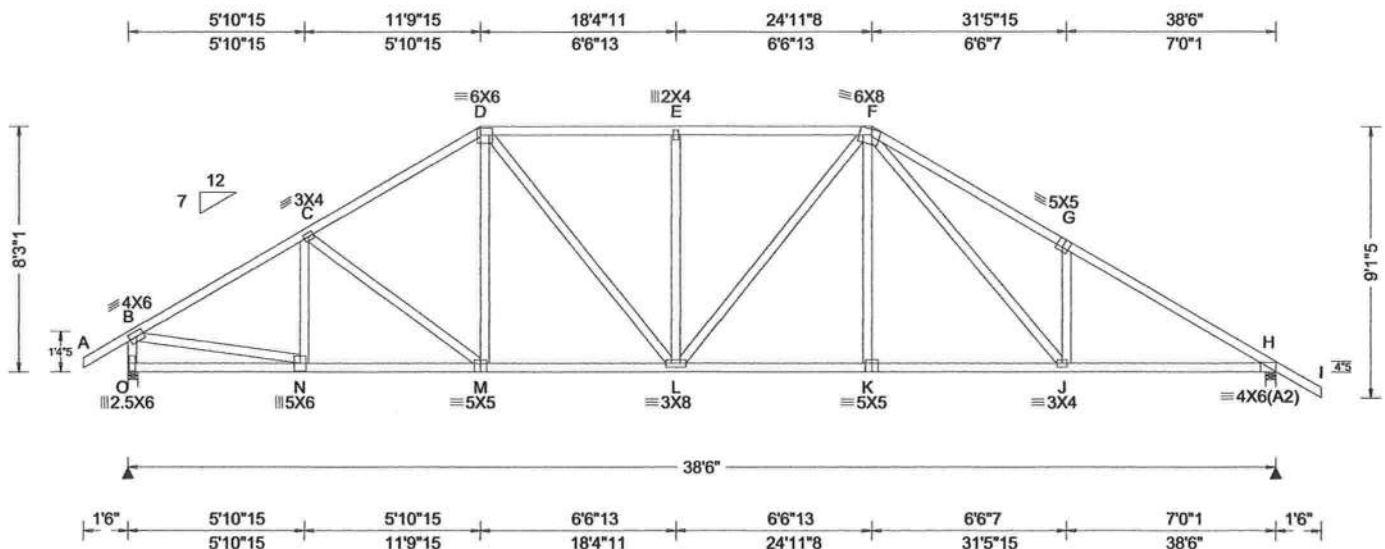


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SEQN: 632778 / FROM: CDM	SPEC Qty: 1	Ply: 1 Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: E06	Cust: R215 JRef: 1XdW2150002 T27 / DrwNo: 075.22.0949.53018 JB / WHK 03/16/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.85 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): 0.159 E 999 480 VERT(CL): 0.294 E 999 360 HORZ(LL): 0.062 H - - HORZ(TL): 0.115 H - - Creep Factor: 2.0 Max TC CSI: 0.667 Max BC CSI: 0.778 Max Web CSI: 0.765 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL O 1867 /- /- /994 /70 /257 H 1920 /- /- /1026 /86 /- Wind reactions based on MWFRS O Brg Width = 4.0 Min Req = 2.2 H Brg Width = 4.0 Min Req = 1.9 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. B - C 667 -2427 E - F 826 -2272 C - D 752 -2320 F - G 939 -3054 D - E 826 -2272 G - H 790 -3080

Lumber

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

Loading

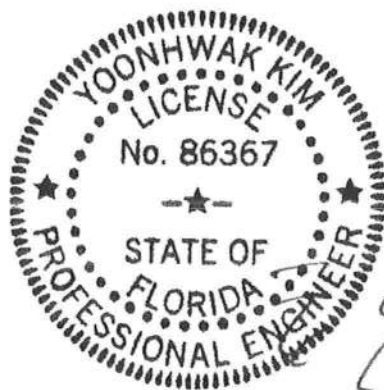
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 8-3-1.



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Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
N - M	2032 -439	K - J	2110 -409
M - L	1920 -376	J - H	2567 -557
L - K	2117 -408		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B - O	548 -1812	E - L	346 -420
B - N	2007 -464	F - J	695 -216
D - L	552 -234	J - G	242 -398

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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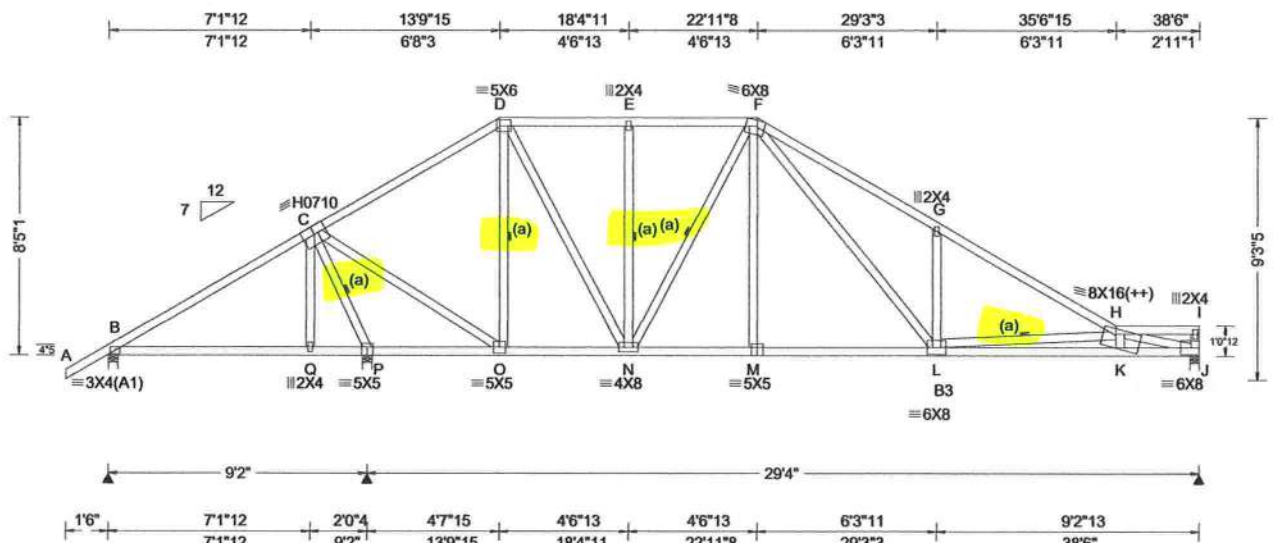
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 632775 / FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: E07	Cust: R 215 JRef: 1XdW2150002 T22 / DrwNo: 075.22.0949.52862 JB / WHK 03/16/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Def/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.85 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.195 G 999 480 VERT(CL): 0.367 G 958 360 HORZ(LL): 0.047 D - - HORZ(TL): 0.089 D - - Creep Factor: 2.0 Max TC CSI: 0.738 Max BC CSI: 0.547 Max Web CSI: 0.886 VIEW Ver: 21.01.01A.0521.20	Maximum Reactions (lbs) Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 292 -150 - / 170 /65 /237 P 2263 - / - / 1105 /35 - J 1223 - / - / 1658 /33 - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 P Brg Width = 4.0 Min Req = 2.3 J Brg Width = 4.0 Min Req = 1.5 Bearings B, 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.

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

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

Loading

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

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 8-5-1.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

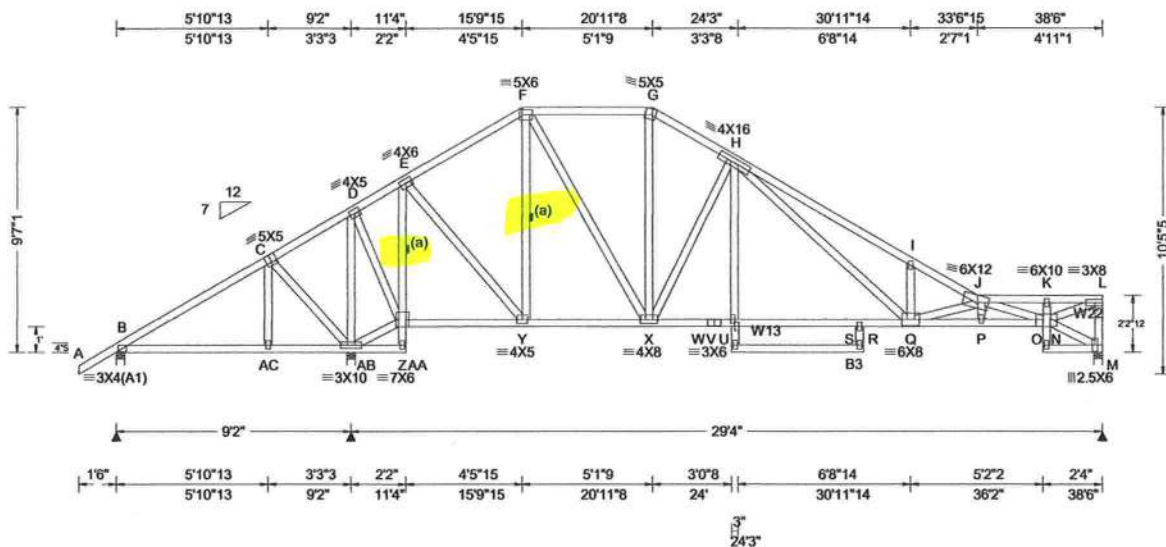
Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - Q	167 -526	M - L	1107 -177
Q - P	166 -530	L - K	3970 -943
P - O	414 -1428	K - J	3962 -926
N - M	1112 -176		

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
C - P	631 -2419	F - L	1193 -355
C - O	2120 -487	L - G	273 -461
D - O	321 -1015	L - H	552 -2139
D - N	995 -280	H - J	941 -4043
N - F	78 -555		

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 632745 / FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: E08	Cust: R 215 JRef: 1XdW2150002 T9 / DrwNo: 075.22.0949.52784 JB / WHK 03/16/2022
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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 TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.85 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): 0.244 R 999 480 VERT(CL): 0.477 R 737 360 HORZ(LL): 0.073 M - - HORZ(TL): 0.141 M - - Creep Factor: 2.0 Max TC CSI: 0.764 Max BC CSI: 0.496 Max Web CSI: 0.939 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 46 /-526 /- /91 /215 /263 AB 2725 /- /- /1384 /57 /- M 1066 /- /- /573 /21 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 AB Brg Width = 4.0 Min Req = 2.8 M Brg Width = 4.0 Min Req = 1.5 Bearings B, AB, & M 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; B3 2x4 SP M-31;
Webs: 2x4 SP #3; W13 2x4 SP M-31; W22 2x4 SP #2;

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

Plating Notes
All plates are 2X4 except as noted.

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

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

Additional Notes
Negative reaction(s) of -526# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.
The overall height of this truss excluding overhang is 9'-7".
Laterally brace Bottom Chord above filler at 24" oc, including a lateral brace at chord ends.

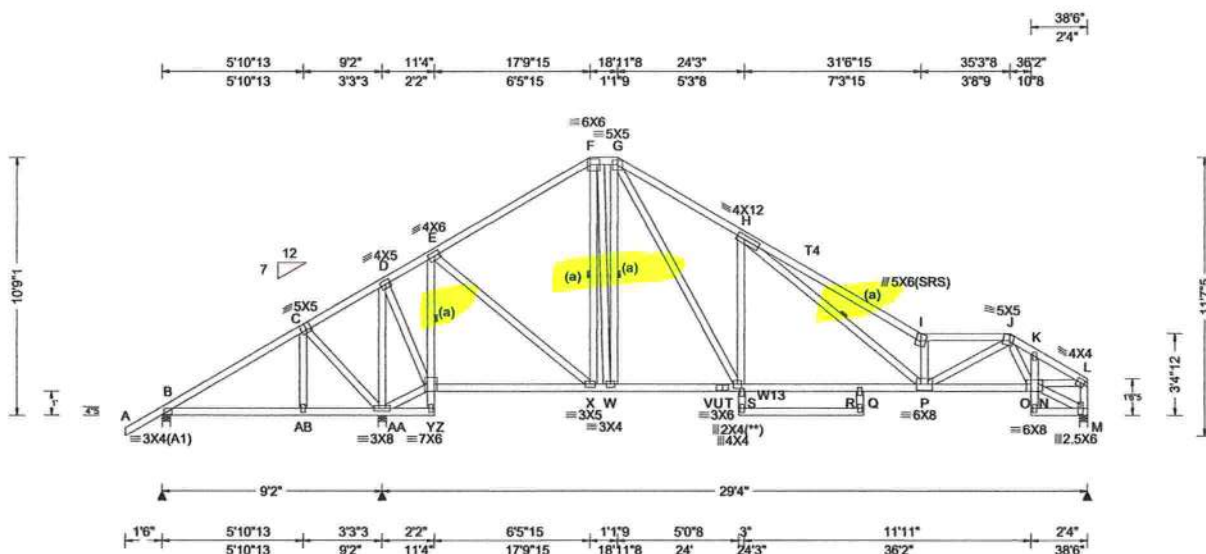


FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

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

SEQN: 632747 / FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: E09	Cust: R 215 JRef: 1XdW2150002 T28 / DrwNo: 075.22.0949.53346 JB / WHK 03/16/2022
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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: 15.21 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.85 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: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.248 Q 999 480 VERT(CL): 0.479 Q 734 360 HORZ(LL): 0.058 F - - HORZ(TL): 0.113 F - - Creep Factor: 2.0 Max TC CSI: 0.558 Max BC CSI: 0.582 Max Web CSI: 0.905 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 152 /-327 /- /72 /82 /296 AA 2474 /- /- /1309 /46 /- M 1152 /- /- /633 /15 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 AA Brg Width = 4.0 Min Req = 2.5 M Brg Width = 4.0 Min Req = 1.5 Bearings B, AA, & M 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; T4 2x4 SP M-31;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W13 2x4 SP M-31;

Laterally brace Bottom Chord above filler at 24" oc, including a lateral brace at chord ends.

Bracing

(a) Continuous lateral restraint equally spaced on member.

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 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

Negative reaction(s) of -327# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

The overall height of this truss excluding overhang is 10-9-1.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - AB	212 -787	V - U	608 0
AB-AA	211 -790	U - S	1301 -136
Y - X	209 -444	S - R	1281 -138
X - W	545 0	R - P	1301 -136
W - V	608 0	P - N	1669 -371

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - AA	148 -434	W - G	156 -508
AA - D	257 -1546	G - U	1370 -380
AA - Y	351 -1102	U - H	396 -916
D - Y	1311 -209	H - P	2254 -647
Y - E	411 -1700	I - P	639 -2092
E - X	1211 -169	P - J	1394 -248
F - X	159 -599	N - L	1688 -374
F - W	540 -136	L - M	265 -1110

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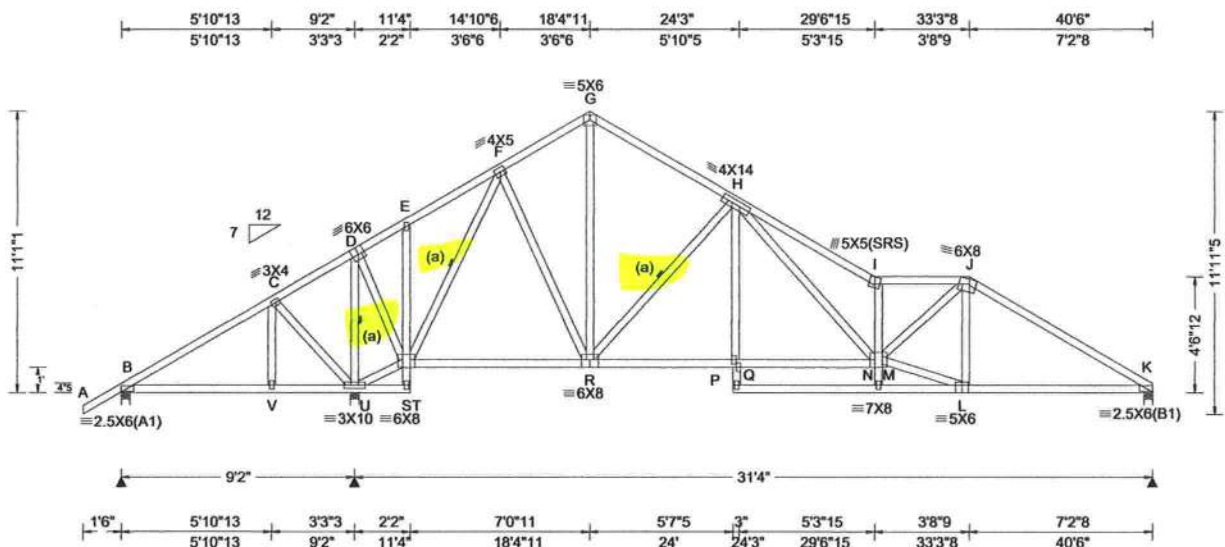
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 632750 / FROM: CDM	SPEC Qty: 1	Ply: 1 Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: E10	Cust: R 215 JRef: 1XdW2150002 T15 / DrwNo: 075.22.0949.52674 JB / WHK 03/16/2022
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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: 15.38 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): 0.184 I 999 480 VERT(CL): 0.351 I 999 360 HORIZ(LL): 0.069 G - - HORIZ(TL): 0.132 G - - Creep Factor: 2.0 Max TC CSI: 0.715 Max BC CSI: 0.680 Max Web CSI: 0.760 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 88 /-429 /- /55 /110 /321 U 2749 /- /- /1401 /45 /- K 1219 /- /- /704 /28 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 U Brg Width = 4.0 Min Req = 2.9 K Brg Width = 4.0 Min Req = 1.5 Bearings B, U, & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -429# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

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

Laterally brace Bottom Chord above filler at 24" oc, including a lateral brace at chord ends.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - V	271 - 952	P - M	1347 - 91
V - U	270 - 955	L - K	1573 - 286
R - P	1399 - 101		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - U	149 - 444	R - H	347 - 1200
U - D	241 - 1727	H - M	1995 - 547
U - S	421 - 1274	I - M	513 - 1789
D - S	1427 - 158	M - L	1550 - 279
S - F	312 - 1774	M - J	1436 - 218
F - R	816 - 72	L - J	129 - 391
G - R	398 - 129		

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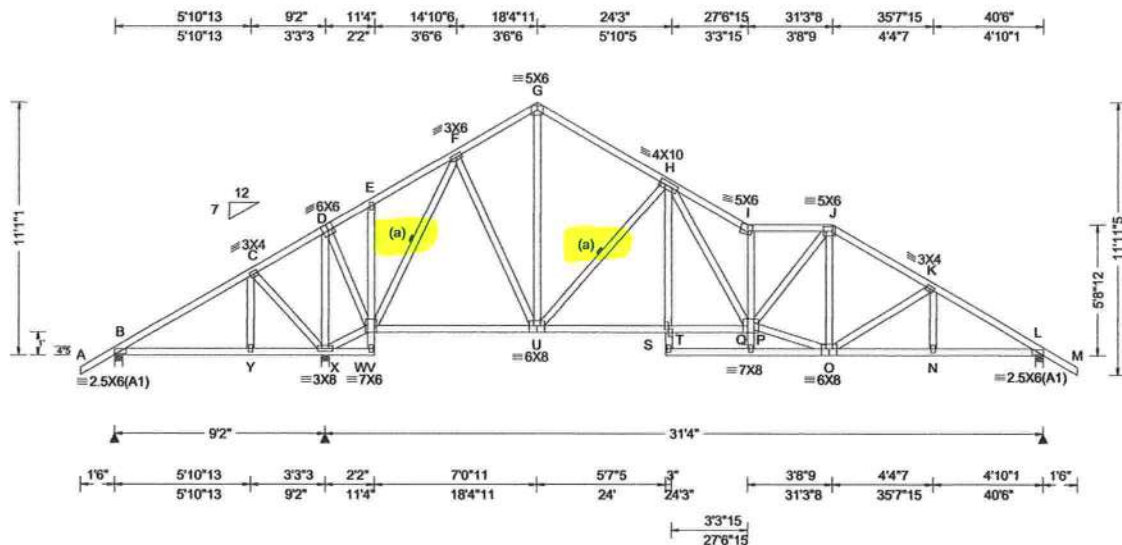
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6750 Forum Drive
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SEQN: 632753 / FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: E11	Cust: R 215 JRef: 1XdW2150002 T1 / DrwNo: 075.22.0949.52175 JB / WHK 03/16/2022
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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: 15.38 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): 0.130 I 999 480 VERT(CL): 0.252 I 999 360 HORZ(LL): 0.053 G - - HORZ(TL): 0.102 G - - Creep Factor: 2.0 Max TC CSI: 0.549 Max BC CSI: 0.676 Max Web CSI: 0.961 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 182 /-280 /- /56 /56 /338 X 2513 /- /- /1345 /38 /- L 1323 /- /- /817 /43 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 X Brg Width = 4.0 Min Req = 2.6 L Brg Width = 4.0 Min Req = 1.6 Bearings B, X, & 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;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -280# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

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

Laterally brace Bottom Chord above filler at 24" oc, including a lateral brace at chord ends.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - Y	248 -711	S - P	1379 -86
Y - X	247 -714	O - N	1645 -283
U - S	1405 -93	N - L	1647 -281

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - X	146 -433	G - U	448 -151
X - D	217 -1641	U - H	349 -1123
X - V	391 -991	H - P	1320 -393
D - V	1349 -136	I - P	419 -1340
V - F	271 -1536	P - O	1419 -191
F - U	686 -67	P - J	959 -129

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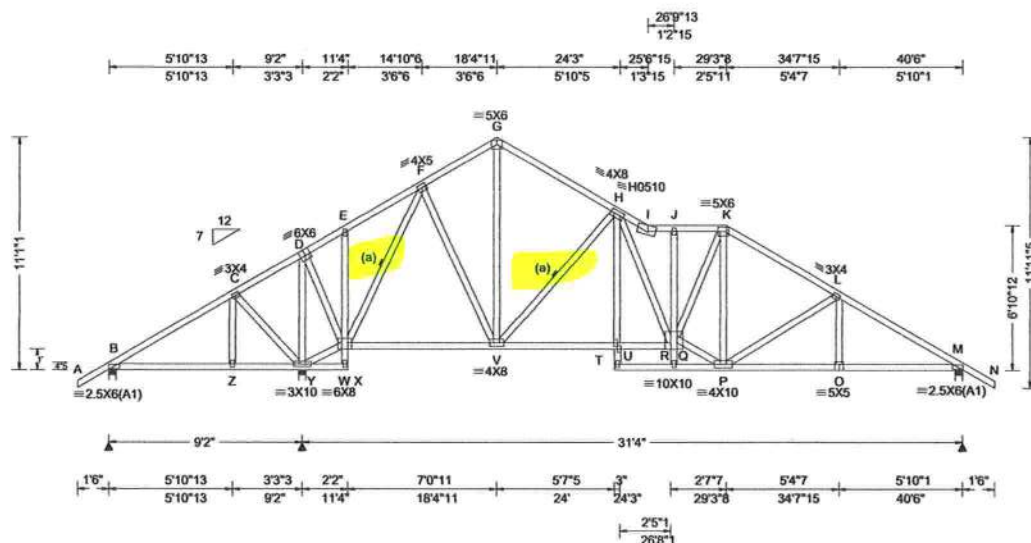
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCE: sbcecomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 632755 / FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: E12	Cust: R 215 JRef: 1XdW2150002 T24 / DrwNo: 075.22.0949.53768 JB / WHK 03/16/2022
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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: 15.38 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, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.195 I 999 480 VERT(CL): 0.380 I 984 360 HORZ(LL): 0.066 G - - HORZ(TL): 0.128 G - - Creep Factor: 2.0 Max TC CSI: 0.818 Max BC CSI: 0.689 Max Web CSI: 0.982 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 110 /-407 /- /41 /107 /338 Y 2676 /- /- /1426 /46 /- M 1287 /- /- /804 /44 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 Y Brg Width = 4.0 Min Req = 2.8 M Brg Width = 4.0 Min Req = 1.5 Bearings B, Y, & M are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -407# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

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

Laterally brace Bottom Chord above filler at 24" oc, including a lateral brace at chord ends.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - Z	290 -917	T - Q	1379 -91
Z - Y	289 -919	P - O	1564 -252
V - T	1408 -98	O - M	1566 -251

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - Y	148 -442	V - H	375 -1243
Y - D	230 -1677	H - Q	618 -184
Y - W	444 -1232	J - Q	230 -664
D - W	1382 -148	Q - P	1371 -134
W - F	314 -1710	Q - K	987 -121
F - V	771 -89	P - L	156 -445
G - V	393 -147		

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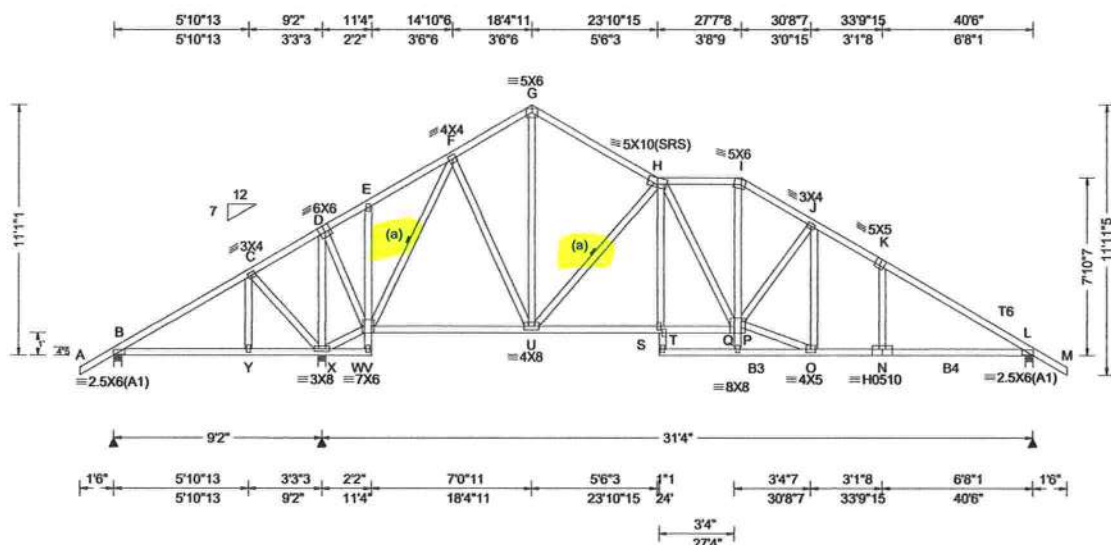
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 632758 / FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: E13	Cust: R 215 JRef: 1XdW2150002 T11 / DrwNo: 075.22.0949.51768 JB / WHK 03/16/2022
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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: 15.38 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, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.235 N 999 480 VERT(CL): 0.427 N 877 360 HORZ(LL): -0.094 K - - HORZ(TL): 0.200 K - - Creep Factor: 2.0 Max TC CSI: 0.720 Max BC CSI: 0.724 Max Web CSI: 0.951 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 257 -128 - /93 /37 /338 X 2346 - /- /- /1263 /52 /- L 1447 - /- /- /854 /47 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 X Brg Width = 4.0 Min Req = 2.4 L Brg Width = 4.0 Min Req = 1.5 Bearings B, X, & 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; T6 2x4 SP M-31;
Bot chord: 2x4 SP #2; B3,B4 2x4 SP M-31;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Wind

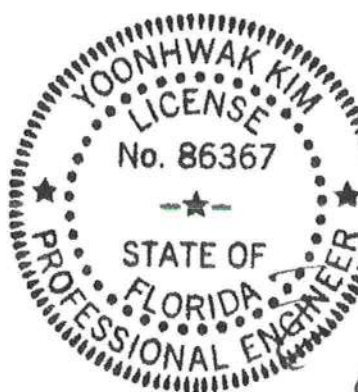
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

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

Laterally brace Bottom Chord above filler at 24" oc, including a lateral brace at chord ends.

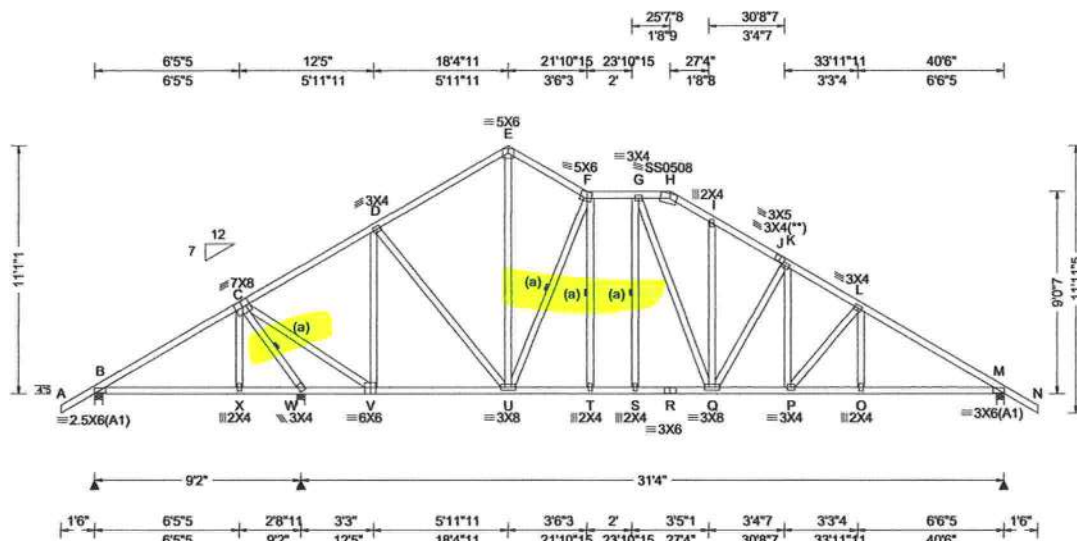


FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

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

SEQN: 632760 / FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: E14	Cust: R 215 JRef: 1XdW2150002 T35 / DrwNo: 075.22.0949.53706 JB / WHK 03/16/2022
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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: 15.38 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, 18SS	PP Deflection in loc L/defl L/# VERT(LL): 0.114 Q 999 480 VERT(CL): 0.227 Q 999 360 HORZ(LL): 0.034 E - - HORZ(TL): 0.067 E - - Creep Factor: 2.0 Max TC CSI: 0.584 Max BC CSI: 0.496 Max Web CSI: 0.972 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 443 - / - /215 /23 /338 W 1894 - / - /1108 /61 - M 1397 - / - /890 /43 - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 W Brg Width = 4.0 Min Req = 1.9 M Brg Width = 4.0 Min Req = 1.6 Bearings B, W, & M are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

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

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 11'-1".



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
W - V	378 -1173	R - Q	1089 -62
V - U	472 -74	Q - P	1480 -193
U - T	1089 -62	P - O	1706 -275
T - S	1090 -61	O - M	1708 -274
S - R	1089 -62		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - W	478 -2215	E - U	601 -240
C - V	1953 -353	U - F	335 -863
V - D	261 -928	G - Q	509 -130
D - U	472 -51	Q - K	170 -492

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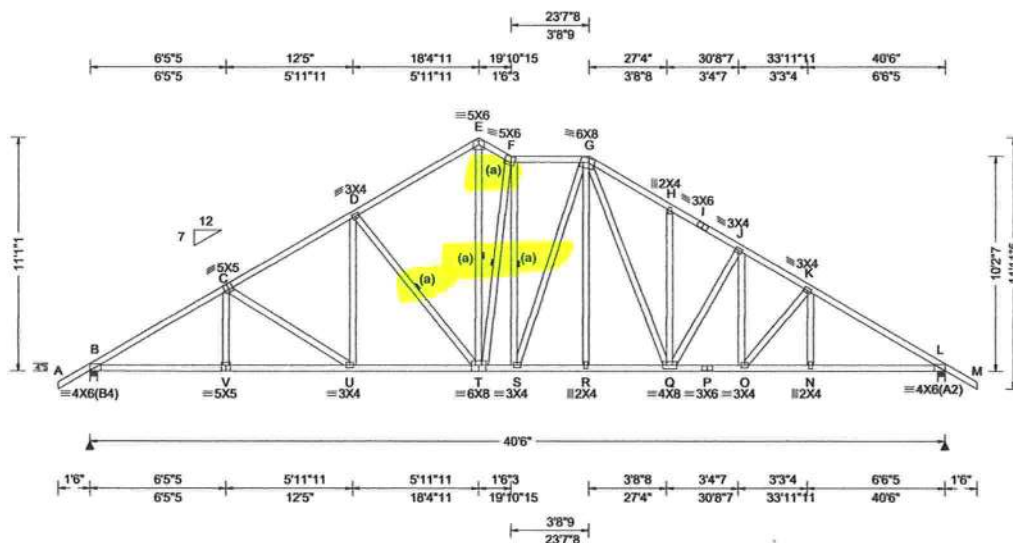
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 632762 / FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: E15	Cust: R215 JRef: 1XdW2150002 T34 / DrwNo: 075.22.0949.53112 JB / WHK 03/16/2022
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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: 15.38 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): 0.185 F 999 480 VERT(CL): 0.359 F 999 360 HORZ(LL): 0.076 L - - HORZ(TL): 0.148 L - - Creep Factor: 2.0 Max TC CSI: 0.522 Max BC CSI: 0.773 Max Web CSI: 0.764 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 1890 - / - /1077 /31 /338 L 1876 - / - /1075 /32 - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.9 L Brg Width = 4.0 Min Req = 1.9 Bearings B & 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.
				B - C 606 -3024 G - H 716 -2452 C - D 600 -2598 H - I 625 -2386 D - E 585 -2058 I - J 616 -2442 E - F 598 -1915 J - K 645 -2712 F - G 569 -1823 K - L 617 -2988

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

Additional Notes

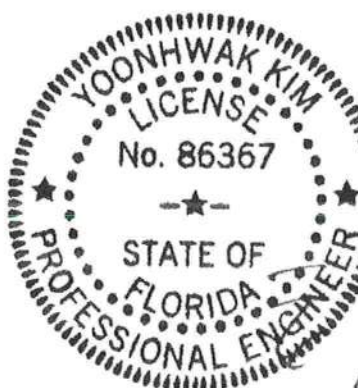
The overall height of this truss excluding overhang is 11'-1-1/2".

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - V	2523 -396	R - Q	1797 -172
V - U	2521 -397	Q - P	2276 -332
U - T	2150 -267	P - O	2276 -332
T - S	1827 -175	O - N	2487 -413
S - R	1800 -171	N - L	2489 -412

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - U	164 -430	T - F	325 -875
U - D	456 -29	G - Q	740 -237
D - T	227 -727	Q - J	146 -416
E - T	1606 -456		



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

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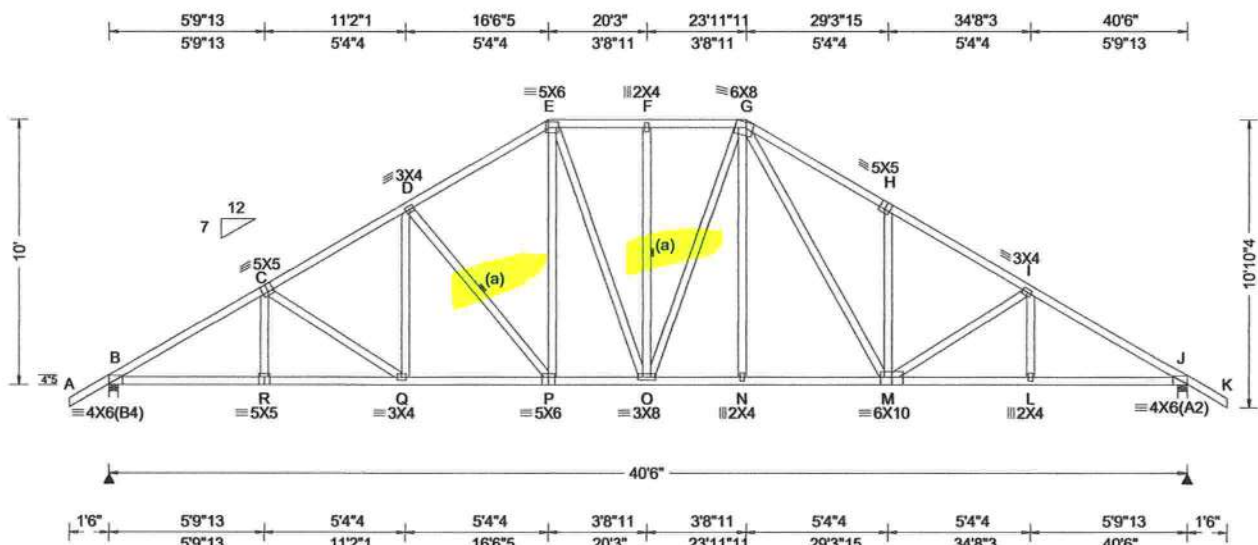
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 632764 / FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: E16	Cust: R215 JRef: 1XdW2150002 T37 / DrwNo: 075.22.0949.53612 JB / WHK 03/16/2022
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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: 15.52 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): 0.165 P 999 480 VERT(CL): 0.320 P 999 360 HORZ(LL): 0.077 J - - HORZ(TL): 0.149 J - - Creep Factor: 2.0 Max TC CSI: 0.498 Max BC CSI: 0.848 Max Web CSI: 0.630 VIEW Ver: 21.01.01A.0521.20	Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1890 - / - /1078 - /309 J 1888 - / - /1078 - /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.9 J Brg Width = 4.0 Min Req = 1.9 Bearings B & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 277 -3036 F - G 236 -1873 C - D 269 -2675 G - H 402 -2674 D - E 253 -2199 H - I 267 -2666 E - F 236 -1873 I - J 277 -3035

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.

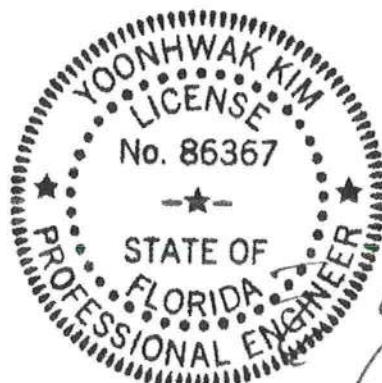
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

Refer to DWG PB160160118 for piggyback details.
The overall height of this truss excluding overhang is 10'-0".



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - R	2538 -118	O - N	1841 0
R - Q	2537 -119	N - M	1838 0
Q - P	2228 -1	M - L	2536 -129
P - O	1820 0	L - J	2537 -128

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
Q - D	396 -29	E - P	635 -117
D - P	213 -654	G - M	812 -268

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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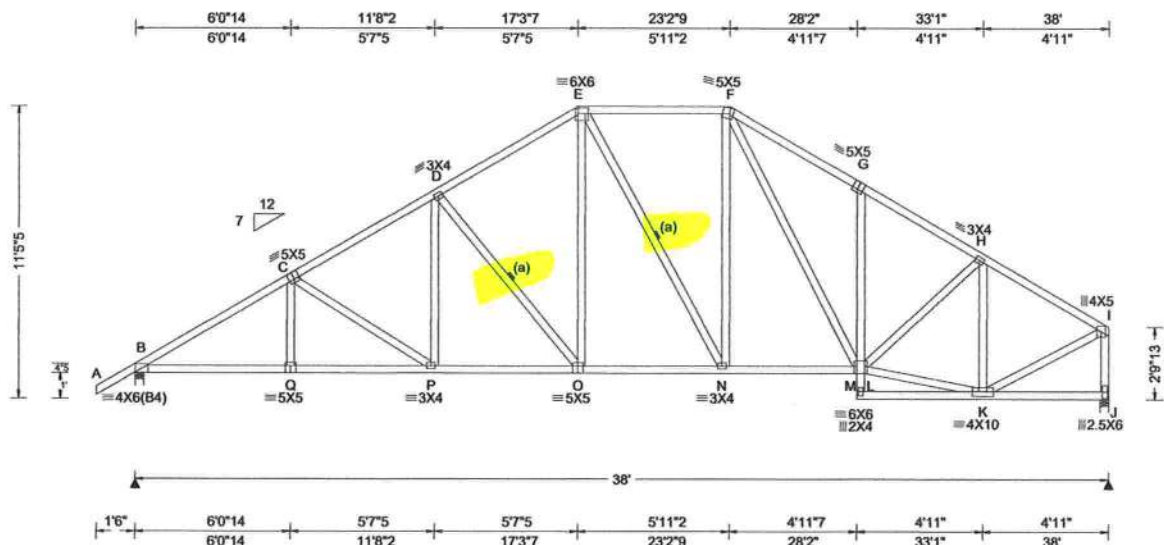
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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Orlando FL, 32821

SEQN: 632769 / FROM: CDM	HIPS Qty: 1	Ply: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: E18	Cust: R 215 JRef: 1XdW2150002 T31 / DrwNo: 075.22.0949.53081 JB / WHK 03/16/2022
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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): 0.141 P 999 480			Loc	R+	/R-	/Rh	/Rw	/U	/RL
BCLL: 0.00	Enclosure: Closed	Lu: NA	Cs: NA		VERT(CL): 0.263 P 999 360			B	1861	/-	/-	/1027	/56	/286
BCDL: 10.00	Risk Category: II	Snow Duration: NA			HORZ(LL): 0.069 J - -			J	1749	/-	/-	/899	/25	/-
	EXP: C Kzt: NA				HORZ(TL): 0.129 J - -			Wind reactions based on MWFRS						
Des Ld: 40.00	Mean Height: 15.06 ft				Creep Factor: 2.0			B	Brg Width = 4.0		Min Req = 1.9			
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:			Max TC CSI: 0.497			J	Brg Width = 4.0		Min Req = 2.1			
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.			Max BC CSI: 0.809			Bearings B & J are a rigid surface.						
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014			Max Web CSI: 0.613			Members not listed have forces less than 375#						
Spacing: 24.0 "	C&C Dist a: 3.80 ft	Rep Fac: Yes						Maximum Top Chord Forces Per Ply (lbs)						
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)						Chords	Tens.Comp.		Chords	Tens. Comp.		
	GCpi: 0.18	Plate Type(s):						B - C	622 -2977		F - G	690 -2250		
	Wind Duration: 1.60	WAVE			VIEW Ver: 21.01.01A.0521.20			C - D	621 -2585		G - H	577 -2248		
Lumber														
Top chord: 2x4 SP #2;														

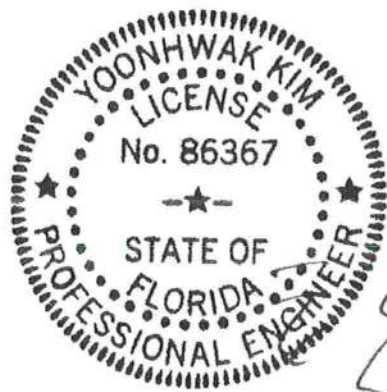
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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 10-5-5.

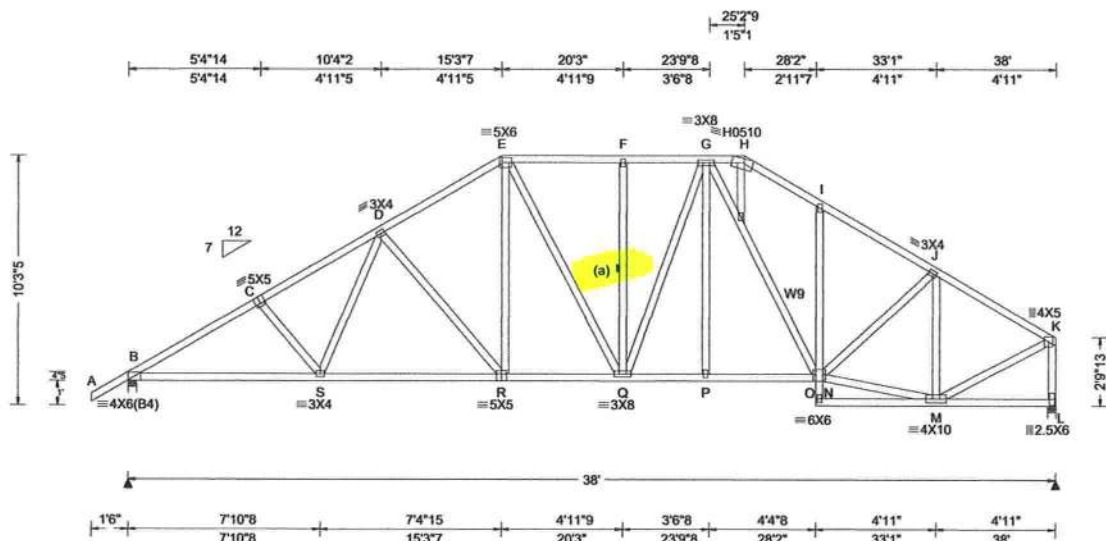


FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

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SEQN: 632719 / FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: E19	Cust: R 215 JRef: 1XdW2150002 T33 / DrwNo: 075.22.0949.53924 JB / WHK 03/16/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCCL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.80 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.178 F 999 480 VERT(CL): 0.338 F 999 360 HORZ(LL): 0.075 L - - HORZ(TL): 0.142 L - - Creep Factor: 2.0 Max TC CSI: 0.867 Max BC CSI: 0.853 Max Web CSI: 0.705 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 1854 /- /- /1023 /75 /255 L 1709 /- /- /894 /28 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.9 L Brg Width = 4.0 Min Req = 2.0 Bearings B & 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. B - C 726 -2984 G - H 670 -1816 C - D 732 -2792 H - I 707 -2033 D - E 704 -2219 I - J 656 -2176 E - F 694 -1889 J - K 450 -1706 F - G 694 -1889

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W9 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 9-3-5.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - S	2497 -604	Q - P	1733 -363
S - R	2198 -498	P - N	1735 -364
R - Q	1842 -376		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
S - D	413 -32	N - J	476 -100
D - R	190 -556	N - M	1442 -337
E - R	697 -86	J - M	307 -944
F - Q	275 -427	M - K	1581 -369
Q - G	442 -175	K - L	433 -1668

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

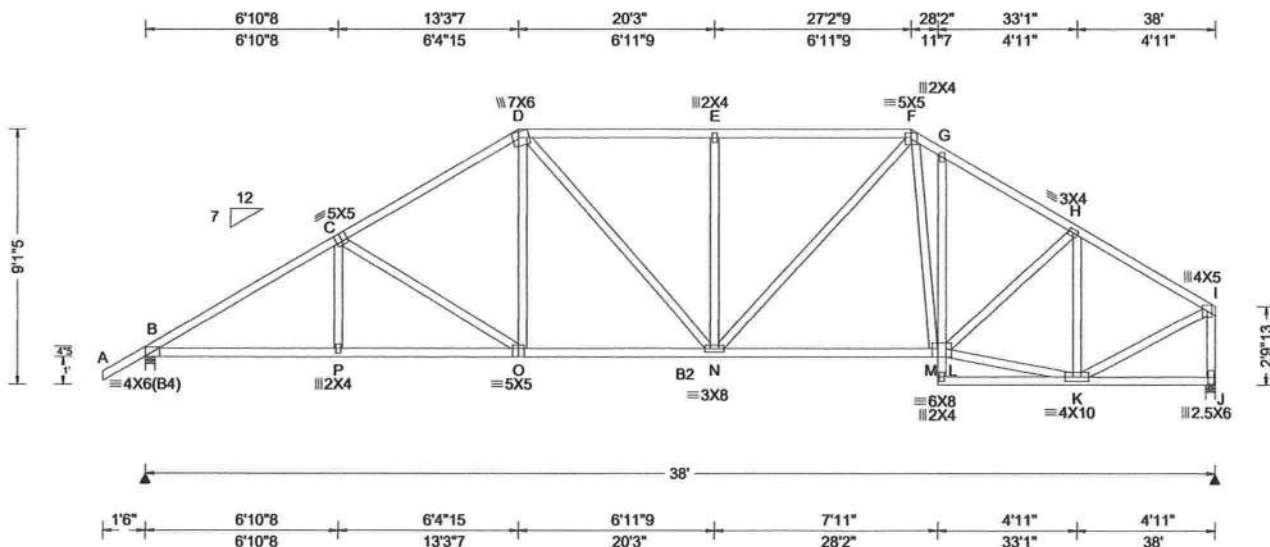
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SEQN: 619292 / FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: E20	Cust: R 215 JRef: 1XdW2150002 T30 / DrwNo: 075.22.0949.50660 JB / WHK 03/16/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.80 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): 0.135 E 999 480 VERT(CL): 0.257 E 999 360 HORZ(LL): 0.061 J - - HORZ(TL): 0.115 J - - Creep Factor: 2.0 Max TC CSI: 0.576 Max BC CSI: 0.759 Max Web CSI: 0.605 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1819 - / - / /1016 /92 /223 J 1726 - / - / /886 /58 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.8 J Brg Width = 4.0 Min Req = 2.0 Bearings B & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

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

Loading

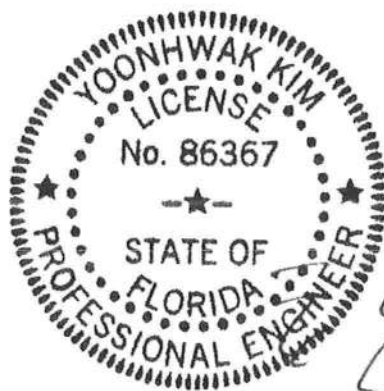
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

Wind loads based on MWFRS with additional C&C member design.
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 8'-1-5/8".



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

Chords	Tens.Comp.	Chords	Tens. Comp.
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B - P	2394 -646	O - N	1978 -507
P - O	2392 -647	N - L	1806 -470

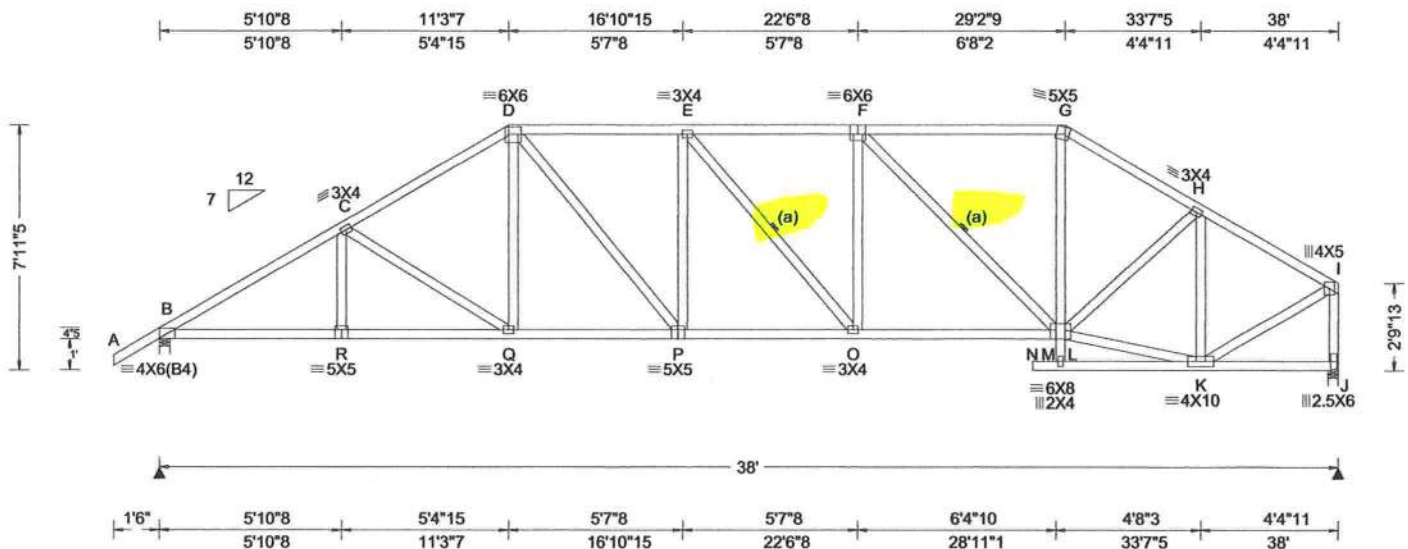
Chords	Tens.Comp.	Chords	Tens. Comp.
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C - O	167 -493	L - K	1488 -378
D - O	489 -31	H - K	340 -958
E - N	378 -460	K - I	1588 -419
N - F	605 -236	I - J	485 -1685
L - H	540 -144		

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SEQN: 632771 / FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: E21	Cust: R 215 JRef: 1XdW2150002 T32 / DrwNo: 075.22.0949.52315 JB / WHK 03/16/2022
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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/#	VERT(LL): 0.164 E 999 480	VERT(CL): 0.312 E 999 360	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA	Ce: NA			HORZ(LL): 0.077 J - -	HORZ(TL): 0.147 J - -	Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL	
BCLL: 0.00	Enclosure: Closed	Lu: NA	Cs: NA					B	1832	/-	/-	/1004	/300	/192
BCDL: 10.00	Risk Category: II	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE						J	1707	/-	/-	/873	/275	/-
Des Ld: 40.00	EXP: C Kzt: NA									Wind reactions based on MWFRS				
NCBCLL: 10.00	Mean Height: 15.00 ft	VIEW Ver: 21.01.01A.0521.20						B	Brg Width = 4.0	Min Req = 1.8				
Soffit: 2.00	TCDL: 5.0 psf							J	Brg Width = 4.0	Min Req = 2.0				
Load Duration: 1.25	BCDL: 5.0 psf							Bearings B & J are a rigid surface.						
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h							Members not listed have forces less than 375#						
	C&C Dist a: 3.80 ft							Maximum Top Chord Forces Per Ply (lbs)						
	Loc. from endwall: not in 9.00 ft							Chords	Tens.Comp.	Chords	Tens. Comp.			
	GCpi: 0.18							B - C	880	- 2927	F - G	748	- 1858	
	Wind Duration: 1.60													

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

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

Wind

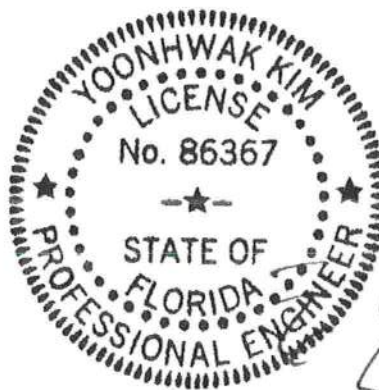
Wind loads based on MWFRS with additional C&C member design.

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 6-11-5.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - R	2445 - 731	P - O	2541 - 811
R - Q	2443 - 733	O - L	2494 - 802
Q - P	2128 - 631		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - Q	143 - 377	L - H	641 - 209
D - Q	401 - 24	L - K	1387 - 409
D - P	629 - 312	H - K	384 - 1002
F - L	364 - 904	K - I	1537 - 461
L - G	728 - 186	I - J	534 - 1670

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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.

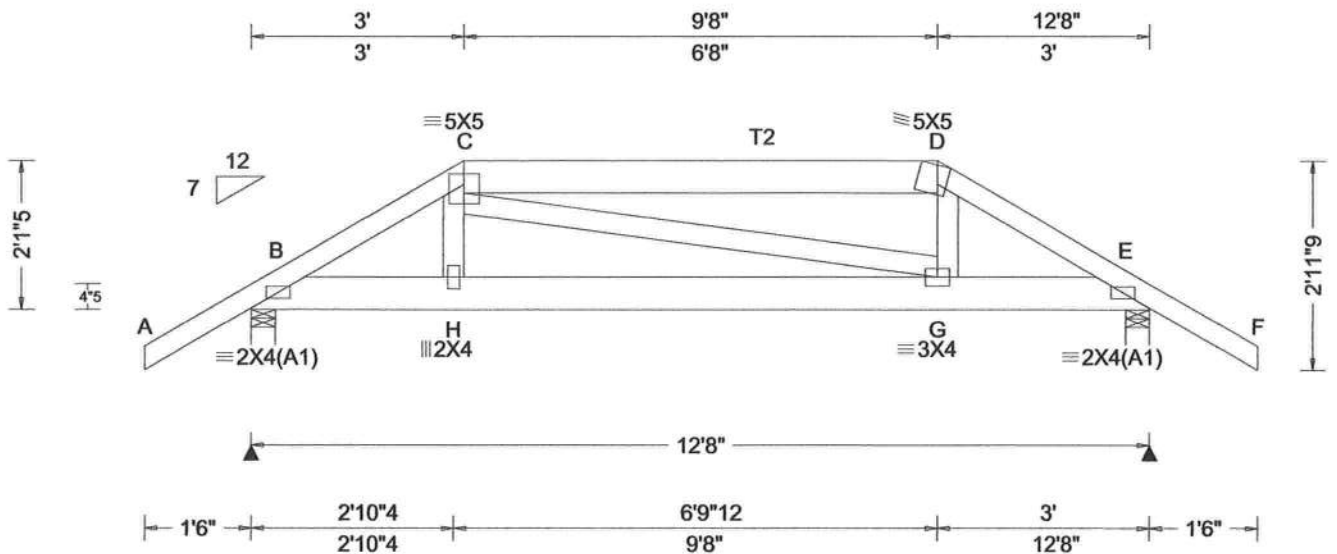
Refer to ASCE-7 for Wind and Seismic abbreviations.

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.sbcacomponents.com.

SEQN: 398080 / FROM: CDM	HIPS Qty: 1	Ply: 1 Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: A01	Cust: R 215 JRef: 1XdW2150002 T5 / DrwNo: 075.22.0949.53190 JB / YK 03/16/2022
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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):	0.009	G	999	480	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00		Enclosure: Closed		Lu: NA	Cs: NA		VERT(CL):	0.019	G	999	360	B	663	/-	/-	/-	/114	/-
BCDL: 10.00		Risk Category: II		Snow Duration: NA			HORZ(LL):	0.003	E	-	-	E	663	/-	/-	/-	/114	/-
Des Ld: 40.00		EXP: C Kzt: NA					HORZ(TL):	0.007	E	-	-	Wind reactions based on MWFRS						
NCBCLL: 0.00		Mean Height: 15.00 ft		Building Code:			Creep Factor:	2.0				B	Brg Width = 4.0			Min Req = 1.5		
Soffit: 2.00		TCDL: 5.0 psf		FBC 7th Ed. 2020 Res.			Max TC CSI:	0.209				E	Brg Width = 4.0			Min Req = 1.5		
Load Duration: 1.25		BCDL: 5.0 psf		TPI Std: 2014			Max BC CSI:	0.090				Bearings B & E are a rigid surface.						
Spacing: 24.0 "		MWFRS Parallel Dist: 0 to h/2		Rep Fac: No			Max Web CSI:	0.047				Members not listed have forces less than 375#						
		C&C Dist a: 3.00 ft		FT/RT: 20(0)/10(0)								Maximum Top Chord Forces Per Ply (lbs)						
		Loc. from endwall: NA		Plate Type(s):								Chords	Tens.Comp.		Chords	Tens. Comp.		
		GCpi: 0.18										B - C	87	-879	D - E	90	-876	
		Wind Duration: 1.60		WAVE							VIEW Ver: 21.01.01A.0521.20	C - D	71	-738				

Lumber

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

Loading

#1 hip supports 3-0-0 jacks with no webs.

Wind

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

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

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

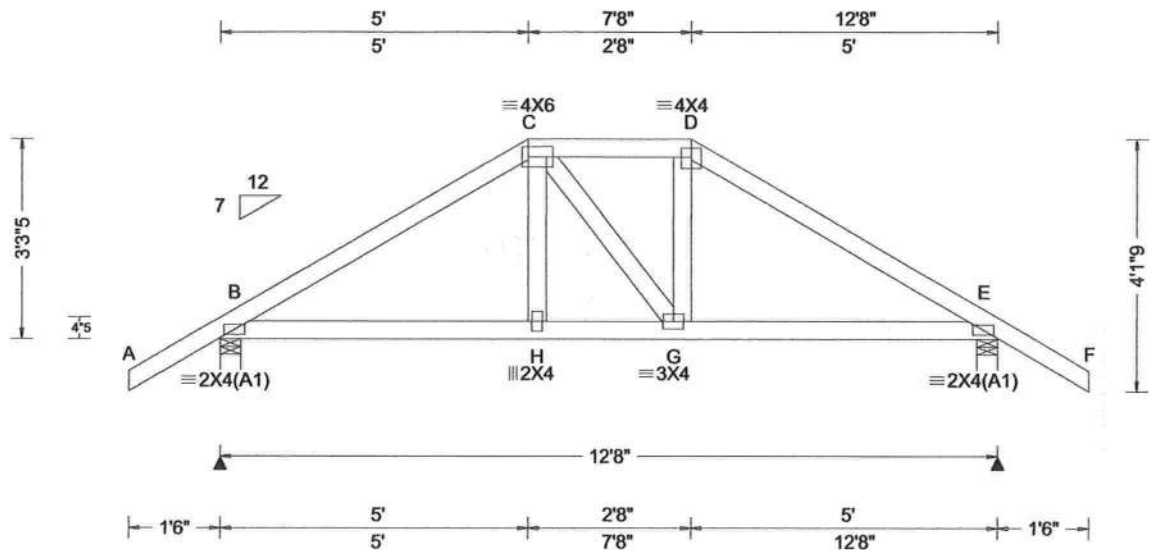
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCEA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

SEQN: 619236 / FROM: CDM	HIPS Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: A02	Cust: R 215 JRef: 1XdW2150002 T26 / DrwNo: 075.22.0949.51379 JB / WHK 03/16/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.010 H 999 480 VERT(CL): 0.020 H 999 360 HORZ(LL): 0.005 G - - HORZ(TL): 0.009 G - - Creep Factor: 2.0 Max TC CSI: 0.212 Max BC CSI: 0.261 Max Web CSI: 0.055 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 628 /- /- /392 /113 /119 E 628 /- /- /392 /113 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 E Brg Width = 4.0 Min Req = 1.5 Bearings B & E are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 329 -667 D - E 329 -665 C - D 330 -515 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - H 509 -158 G - E 508 -159 H - G 512 -157

Lumber

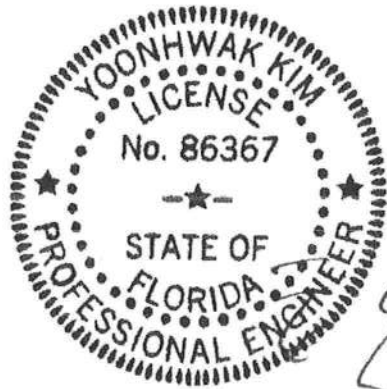
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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'-3".



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

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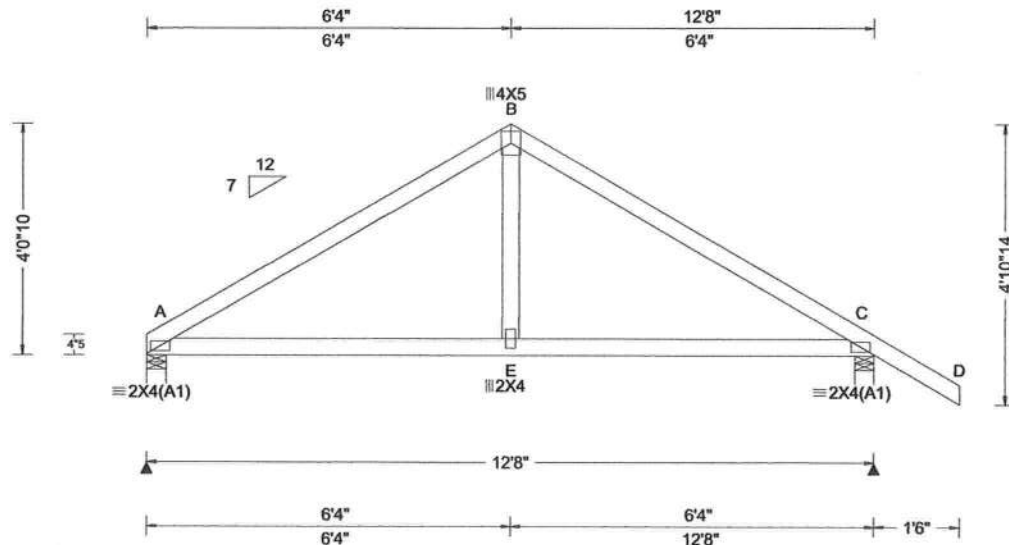
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Suite 305
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SEQN: 619238 / FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: A03	Cust: R 215 JRef: 1XdW2150002 T4 / DrwNo: 075.22.0949.50252 JB / WHK 03/16/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.008 E 999 480 VERT(CL): 0.016 E 999 360 HORZ(LL): 0.006 E - - HORZ(TL): 0.012 E - - Creep Factor: 2.0 Max TC CSI: 0.408 Max BC CSI: 0.420 Max Web CSI: 0.108 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 519 /- /- /302 /83 /122 C 636 /- /- /392 /113 /- 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 206 -656 B - C 209 -660 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - E 495 -39 E - C 495 -39

Lumber

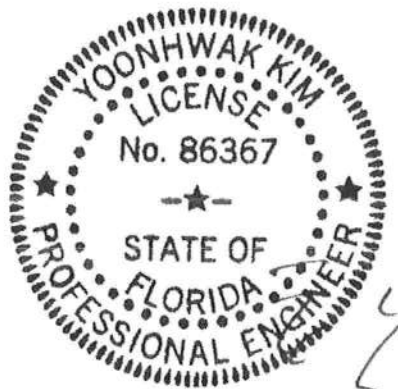
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 4'-0"-10".



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

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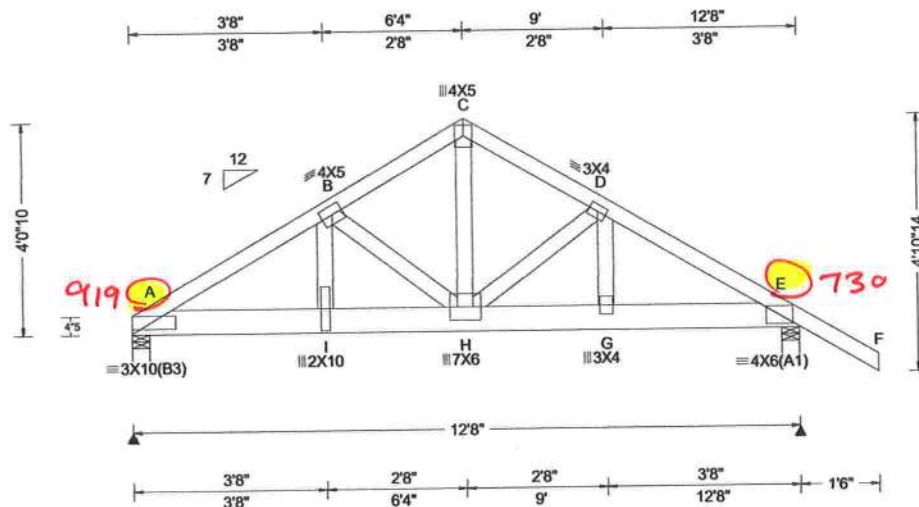
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				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): 0.053 H 999 480	A	4859	/-	/-	/-	/919	/-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.106 H 999 360	E	3405	/-	/-	/-	/730	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.015 B - -	Wind reactions based on MWFRS						
	EXP: C Kzt: NA		HORZ(TL): 0.029 B - -	A	Brg Width = 4.0		Min Req = 2.0			
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 2.0	E	Brg Width = 4.0		Min Req = 1.5			
NCBCLL: 0.00	TCDL: 5.0 psf	Building Code:	Max TC CSI: 0.388	Bearings A & E are a rigid surface.						
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max BC CSI: 0.473	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: 0.935	Maximum Top Chord Forces Per Ply (lbs)						
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No		Chords	Tens.Comp.		Chords	Tens. Comp.		
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		A - B	701	-3595	C - D	534	-2569	
	GCpi: 0.18	Plate Type(s):	VIEW Ver: 20.01.01A.0724.11	B - C	535	-2574	D - E	647	-3034	
	Wind Duration: 1.60	WAVE								

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 @ 5.50" 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

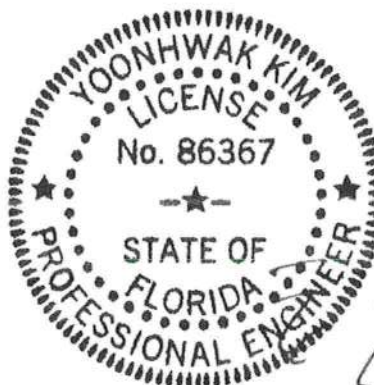
---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at 0.00 to 63 plf at 14.17
BC: From 10 plf at 0.00 to 10 plf at 7.60
BC: From 20 plf at 7.60 to 20 plf at 12.67
BC: From 5 plf at 12.67 to 5 plf at 14.17
BC: 1732 lb Conc. Load at 1.60
BC: 1442 lb Conc. Load at 3.60, 5.60
BC: 2569 lb Conc. Load at 7.60

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 4'-0"-10".



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

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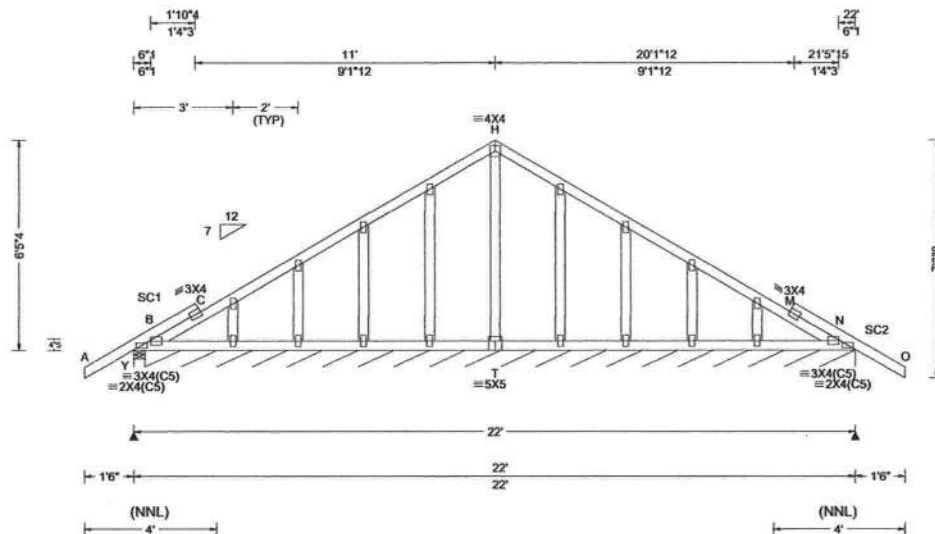
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SEQN: 619219 / FROM: CDM	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: B01	Cust: R 215 JRef: 1XdW2150002 T7 / DrwNo: 075.22.0949.50752 JB / WHK 03/16/2022
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Loading 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 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): 0.001 C 999 480 VERT(CL): 0.003 C 999 360 HORZ(LL): 0.000 L - - HORZ(TL): 0.001 C - - Creep Factor: 2.0 Max TC CSI: 0.182 Max BC CSI: 0.038 Max Web CSI: 0.078 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Y 273 /- /- /185 /19 /45 N* 81 /- /- /45 /- /- Wind reactions based on MWFRS Y Brg Width = 4.0 Min Req = 1.5 N Brg Width = 260 Min Req = - Bearings Y & B 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.

Wind

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

Wind loading based on both gable and hip roof types.

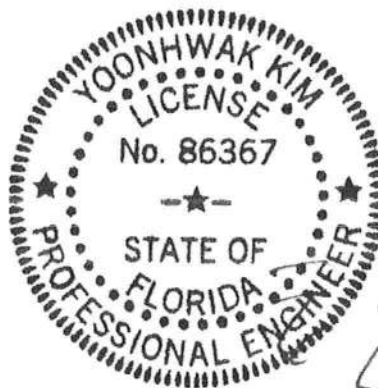
Additional Notes

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 6-5-4.

Truss designed to support 8" maximum gable end overhang.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

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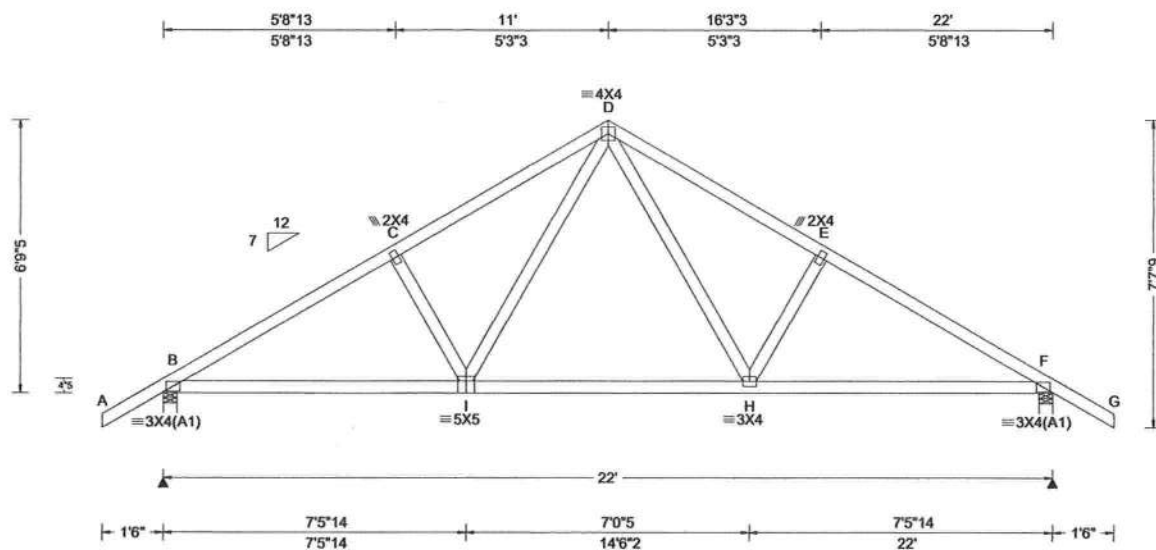
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Orlando FL, 32821

SEQN: 619222 / FROM: CDM	COMN Ply: 1 Qty: 8	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: B02	Cust: R 215 JRef: 1XdW2150002 T2 / DrwNo: 075.22.0949.49940 JB / WHK 03/16/2022
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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): 0.047 H 999 480 VERT(CL): 0.091 H 999 360 HORZ(LL): 0.019 H - - HORZ(TL): 0.038 H - - Creep Factor: 2.0 Max TC CSI: 0.284 Max BC CSI: 0.625 Max Web CSI: 0.200 VIEW Ver: 20.01.01A.0724.11	Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1070 /- /- /612 /175 /209 F 1070 /- /- /612 /175 /- 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 453 -1492 D - E 490 -1334 C - D 491 -1332 E - F 452 -1493

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.

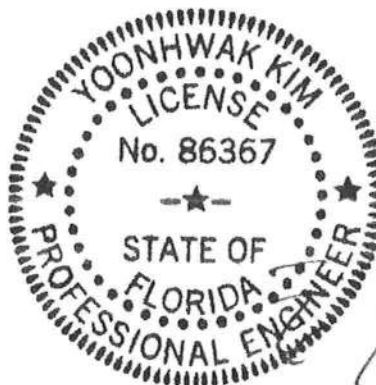
Wind

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 6-9-5.

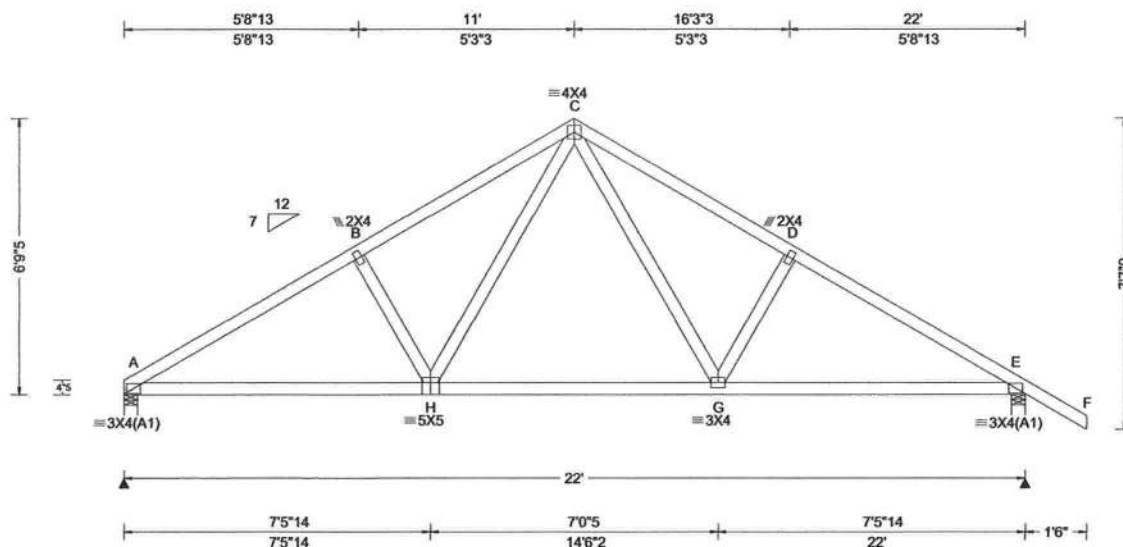


FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

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ALPINE
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 619225 / FROM: CDM	COMN Ply: 1 Qty: 2	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: B03	Cust: R 215 JRef: 1XdW2150002 T8 / DrwNo: 075.22.0949.50409 JB / WHK 03/16/2022
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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): 0.046 G	999	480	Loc	R+	/R-	/Rh	/Rw	/U	/RL
BCLL: 0.00	Enclosure: Closed	Lu: NA	Cs: NA		VERT(CL): 0.090 G	999	360	A	964	/-	/-	/526	/10	/193
BCDL: 10.00	Risk Category: II	Snow Duration: NA			HORZ(LL): 0.019 G	-	-	E	1074	/-	/-	/612	/17	/-
	EXP: C Kzt: NA				HORZ(TL): 0.037 G	-	-	Wind reactions based on MWFRS						
Des Ld: 40.00	Mean Height: 15.00 ft				Creep Factor: 2.0			A	Brg Width = 4.0			Min Req = 1.5		
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:			Max TC CSI: 0.309			E	Brg Width = 4.0			Min Req = 1.5		
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.			Max BC CSI: 0.624			Bearings A & E are a rigid surface.						
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014			Max Web CSI: 0.208			Members not listed have forces less than 375#						
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes						Maximum Top Chord Forces Per Ply (lbs)						
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)						Chords	Tens.Comp.		Chords	Tens. Comp.		
	GCpi: 0.18	Plate Type(s):												
	Wind Duration: 1.60	WAVE						A - B	284	-1514	C - D	313	-1341	
								B - C	320	-1354	D - E	277	-1501	
													</	

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.

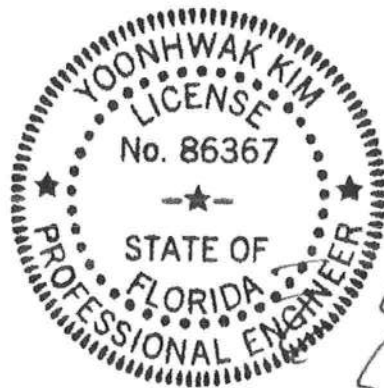
Wind

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 6'-9-5".



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

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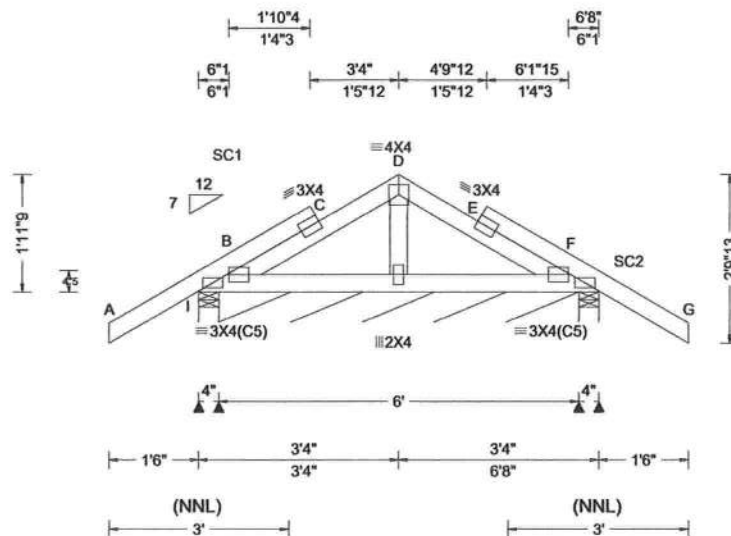
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ALPINE
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SEQN: 619212 / FROM: CDM	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: C01	Cust: R 215 JRef: 1XdW2150002 T13 / DrwNo: 075.22.0949.51378 JB / WHK 03/16/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Def/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: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.003 C 999 480 VERT(CL): 0.006 C 999 360 HORZ(LL): -0.002 E - - HORZ(TL): 0.003 E - - Creep Factor: 2.0 Max TC CSI: 0.283 Max BC CSI: 0.072 Max Web CSI: 0.035 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL I 248 - / - / - /168 /30 /45 B* 44 - / - / - /36 - / - F 248 - / - / - /174 /32 - Wind reactions based on MWFRS I Brg Width = 4.0 Min Req = 1.5 B Brg Width = 72.0 Min Req = - F Brg Width = 4.0 Min Req = 1.5 Bearings I, B, & F 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(C5) except as noted.

Loading

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

Wind

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

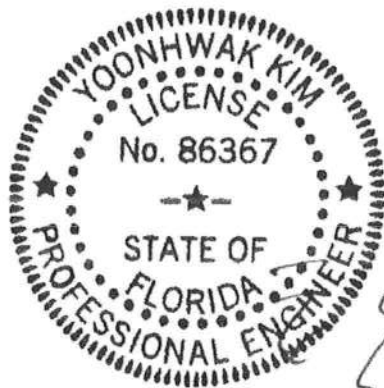
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS 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 11'-9".



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

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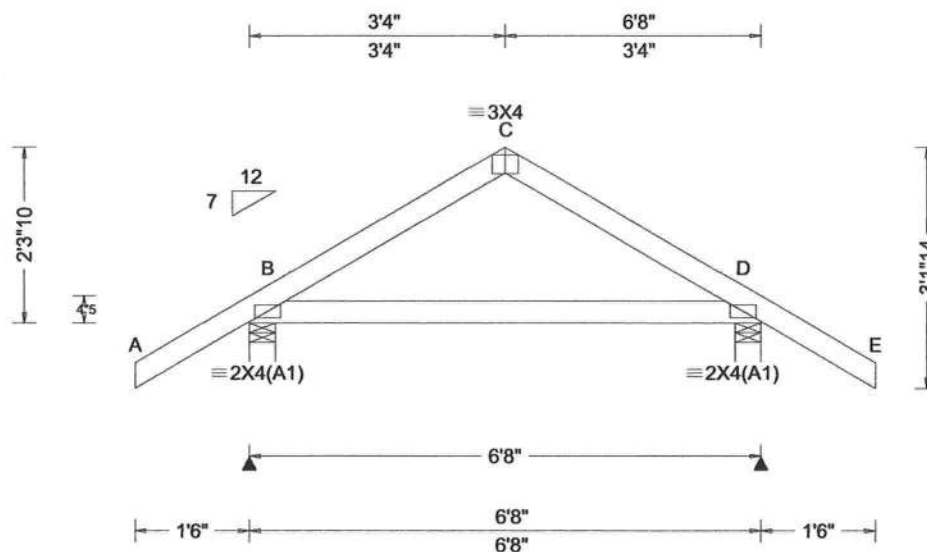
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6750 Forum Drive
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Orlando FL, 32821

SEQN: 619214 / FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: C02	Cust: R 215 JRef: 1XdW2150002 T12 / DrwNo: 075.22.0949.50956 JB / WHK 03/16/2022
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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): 0.002 999 480 VERT(CL): 0.008 999 360 HORZ(LL): -0.001 - - HORZ(TL): 0.005 - - Creep Factor: 2.0 Max TC CSI: 0.309 Max BC CSI: 0.277 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL B 379 /- /- /254 /69 /94 D 379 /- /- /254 /69 /- Non-Gravity 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#

Lumber

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

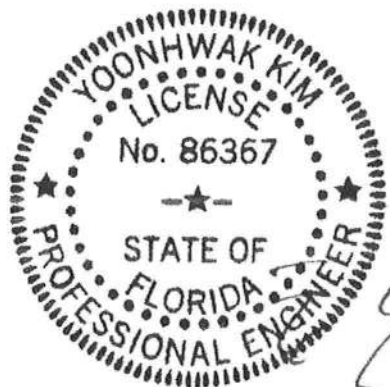
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

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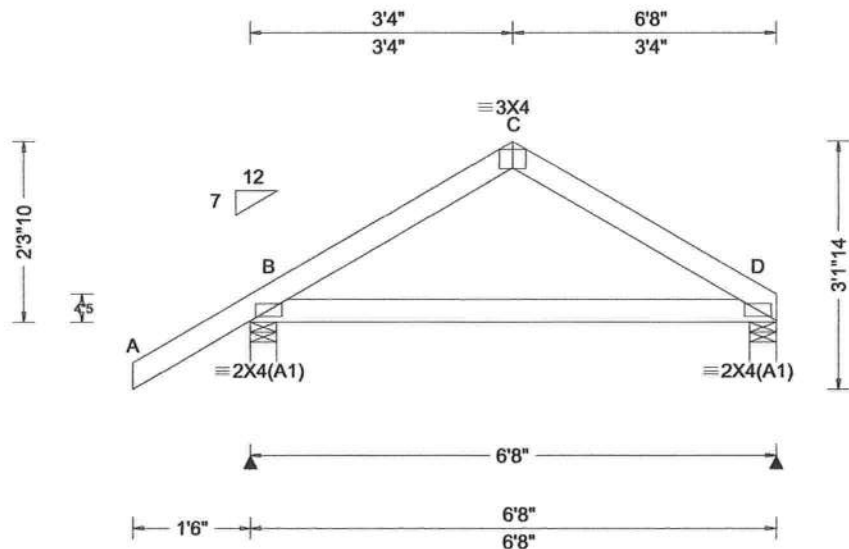
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ALPINE
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6750 Forum Drive
Suite 305
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SEQN: 619216 / FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: C03	Cust: R 215 JRef: 1XdW2150002 T14 / DrwNo: 075.22.0949.50878 JB / WHK 03/16/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.003 999 480 VERT(CL): 0.009 999 360 HORZ(LL): -0.002 - - HORZ(TL): 0.007 - - Creep Factor: 2.0 Max TC CSI: 0.236 Max BC CSI: 0.288 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 393 /- /- /255 /74 /77 D 263 /- /- /159 /39 /- 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#

Lumber

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

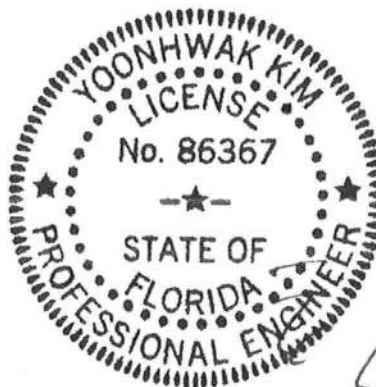
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

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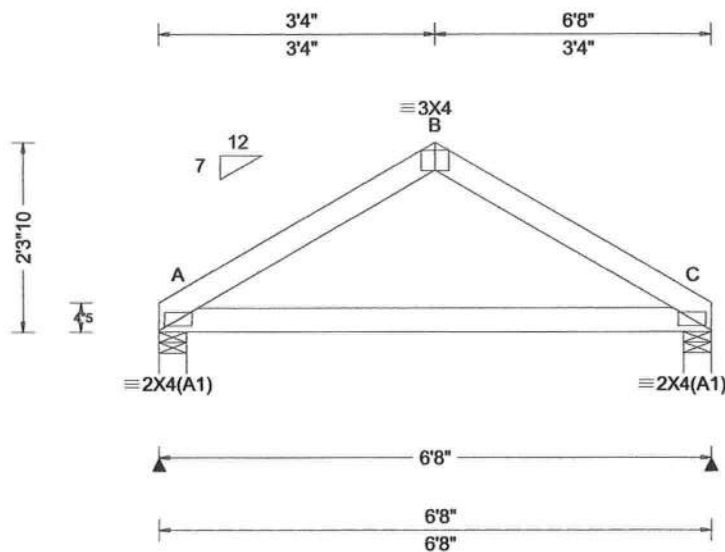
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 619360 / FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: C04	Cust: R 215 JRef: 1XdW2150002 T43 / DrwNo: 075.22.0949.51206 JB / WHK 03/16/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.003 999 480 VERT(CL): 0.010 999 360 HORZ(LL): -0.002 - - HORZ(TL): 0.007 - - Creep Factor: 2.0 Max TC CSI: 0.158 Max BC CSI: 0.297 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL A 277 /- /- /159 /43 /49 C 277 /- /- /159 /43 /- Non-Gravity 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#

Lumber

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

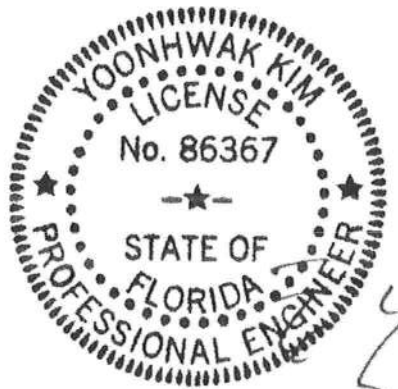
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

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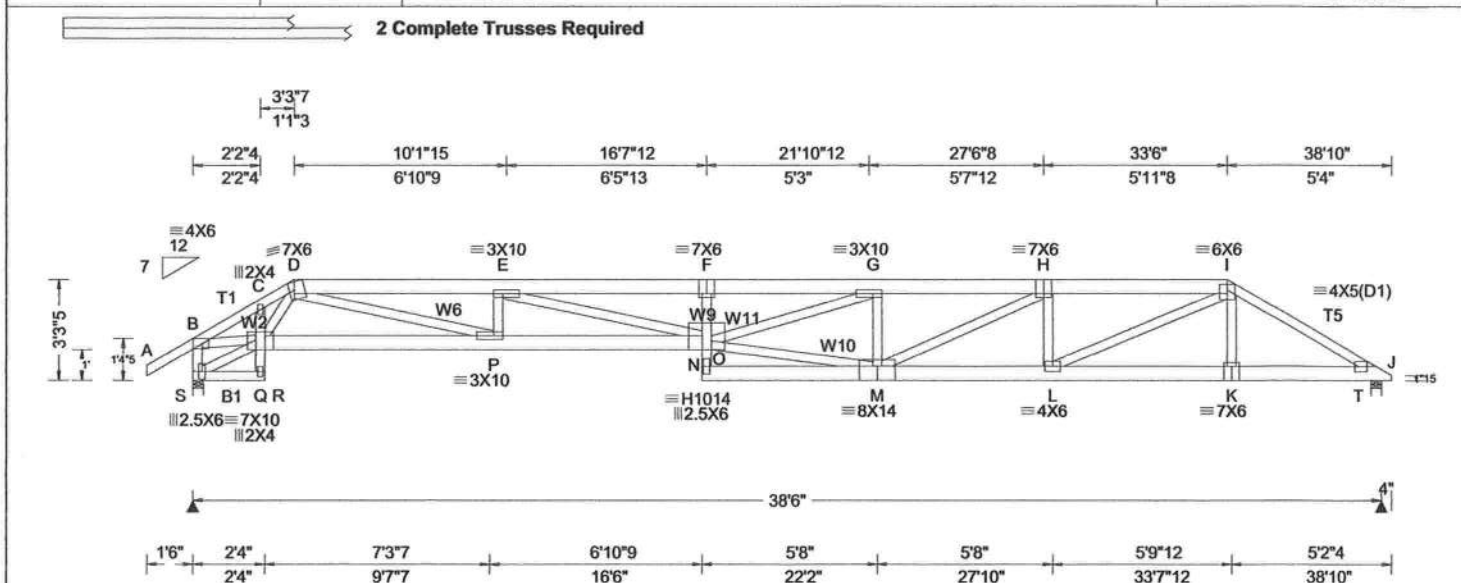
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 398087 / FROM: CDM	HIPS Qty: 1	Ply: 2	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: E01	Cust: R 215 JRef: 1XdW2150002 T40 / DrwNo: 075.22.0949.53315 JB / WHK 03/16/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.88 ft Loc. from endwall: NA GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.497 F 925 480 VERT(CL): 1.024 F 449 360 HORZ(LL): 0.121 J - - HORZ(TL): 0.249 J - - Creep Factor: 2.0 Max TC CSI: 0.356 Max BC CSI: 0.392 Max Web CSI: 0.706 VIEW Ver: 21.01.01A.0521.20	Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL S 2759 -/- /- /- /485 -/- T 2602 -/- /0 /- /- /445 -/- Wind reactions based on MWFRS S Brg Width = 4.0 Min Req = 1.6 T Brg Width = 4.0 Min Req = 1.5 Bearings S & T are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 480 -2866 F - G 1219 -7127 C - D 465 -2837 G - H 753 -4460 D - E 900 -5380 H - I 614 -3640 E - F 1244 -7279 I - J 398 -2344

Lumber
Top chord: 2x6 SP 2400F-2.0E; T1,T5 2x4 SP #2;
Bot chord: 2x6 SP 2400F-2.0E; B1 2x4 SP #2;
Webs: 2x4 SP #3; W2,W6,W11 2x4 SP #2; W9,
W10 2x4 SP M-31;

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

Loading
#1 hip supports 5-4-0 jacks W/2 panel TC and no end
vert.
Left side jacks have 3-3-7 setback with 0-0-0 cant and
1-6-0 overhang. End jacks have 5-4-0 setback with
0-0-0 cant and 1-6-0 overhang. Right side jacks have
5-4-0 setback with 0-0-0 cant and 1-6-0 overhang.

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

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

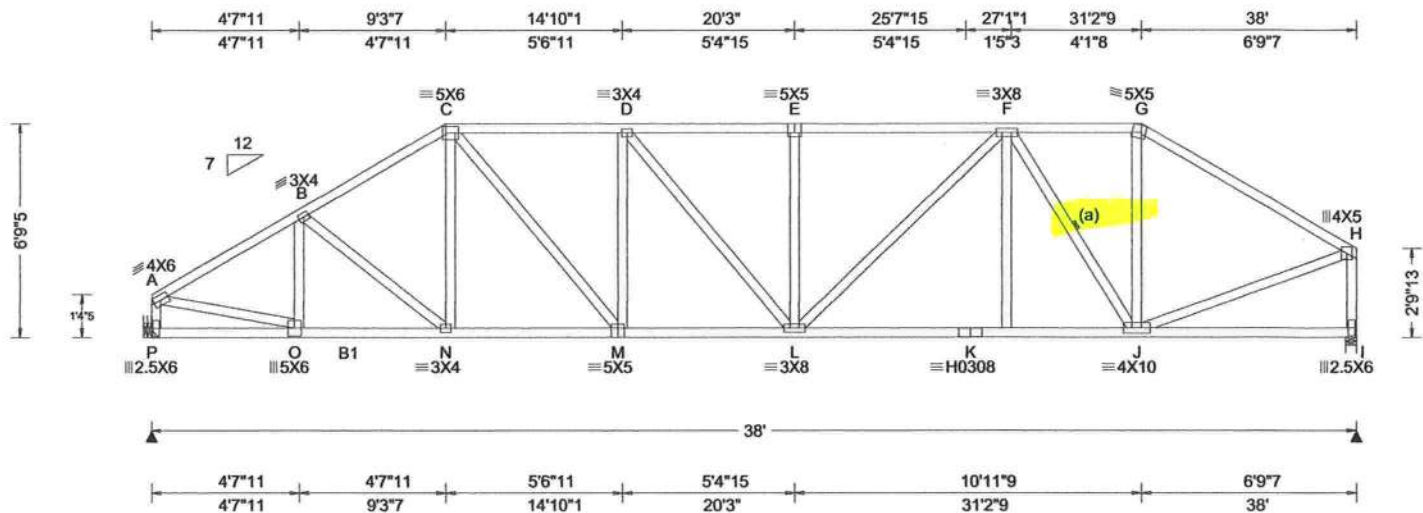


FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

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****IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**
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Orlando FL, 32821

SEQN: 632722 / FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: E22	Cust: R 215 JRef: 1XdW2150002 T52 / DrwNo: 075.22.0949.52174 JB / WHK 03/16/2022
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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: 3.80 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L# VERT(LL): 0.144 E 999 480 VERT(CL): 0.277 E 999 360 HORZ(LL): 0.042 C - - HORZ(TL): 0.081 C - - Creep Factor: 2.0 Max TC CSI: 0.941 Max BC CSI: 0.576 Max Web CSI: 0.731 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL P 1720 - / - / - / 895 / 274 / 143 I 1706 - / - / - / 857 / 281 / - Wind reactions based on MWFRS P Brg Width = - Min Req = - I Brg Width = 4.0 Min Req = 1.5 Bearing I 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 747 -2270 E - F 1094 -2638 B - C 875 -2326 F - G 665 -1587 C - D 1034 -2484 G - H 695 -1921 D - E 1094 -2638

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

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

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

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

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

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

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

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

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

Loading

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

Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 6'-9-5/8".



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
O - N	1925 - 654	L - K	2117 - 792
N - M	1945 - 662	K - J	2117 - 792
M - L	2506 - 907		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - P	551 - 1674	L - F	725 - 231
A - O	1919 - 592	F - J	522 - 989
C - M	840 - 401	J - G	539 - 162
M - D	349 - 501	J - H	1647 - 538
E - L	304 - 390	H - I	596 - 1674

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

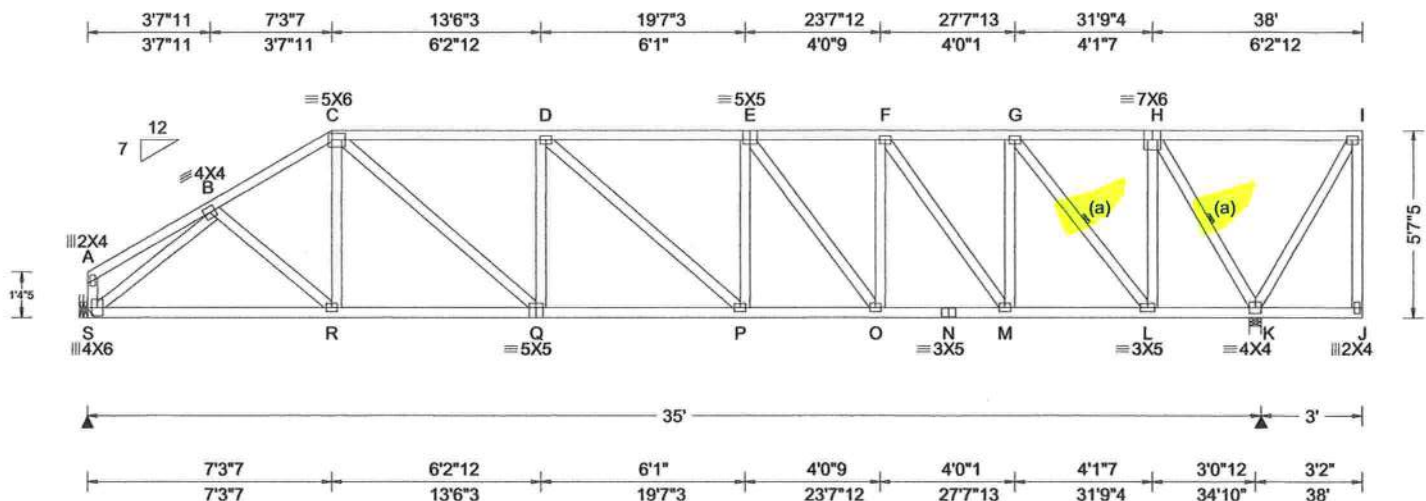
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Def/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 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: 3.80 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.123 P 999 480 VERT(CL): 0.258 P 999 360 HORZ(LL): 0.047 K - - HORZ(TL): 0.099 K - - Creep Factor: 2.0 Max TC CSI: 0.542 Max BC CSI: 0.645 Max Web CSI: 0.852 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL S 1442 -/- /- /812 /241 /149 K 1724 -/- /- /896 /323 -/ Wind reactions based on MWFRS S Brg Width = - Min Req = - K Brg Width = 4.0 Min Req = 1.7 Bearing K is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 809 -1909 E - F 978 -2064 C - D 1073 -2269 F - G 744 -1578 D - E 1104 -2340 G - H 381 -781

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 5'-7.5."



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SEQN: 632724 / FROM: CDM Page 2 of 2	HIPM Ply: 1 Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: E23	Cust: R 215 JRef: 1XdW2150002 T47 / DrwNo: 075.22.0949.52456 JB / WHK 03/16/2022
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Hangers / Ties

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

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

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

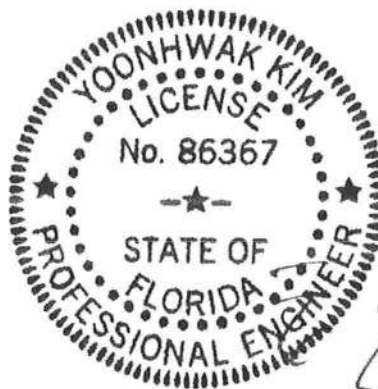
Bearing at location x=0' uses the following support conditions: 0'

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

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

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

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



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03/16/2022

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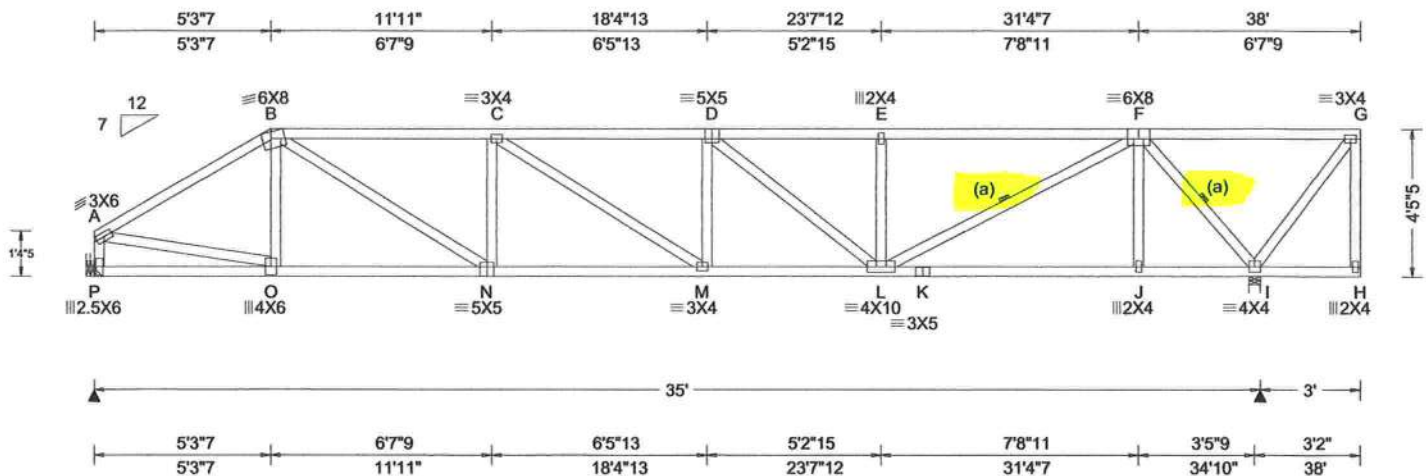
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SEQN: 632773 / FROM: CDM	HIPM Qty: 1	Ply: 1 Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: E24	Cust: R 215 JRef: 1XdW2150002 T50 / DrwNo: 075.22.0949.52565 JB / WHK 03/16/2022
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Loading 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: 3.80 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.189 M 999 480 VERT(CL): 0.396 M 999 360 HORZ(LL): 0.049 B - - HORZ(TL): 0.102 B - - Creep Factor: 2.0 Max TC CSI: 0.881 Max BC CSI: 0.775 Max Web CSI: 0.725 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL P 1442 - / - / 787 / 249 / 108 I 1724 - / - / 902 / 319 / - Wind reactions based on MWFRS P Brg Width = - Min Req = - I Brg Width = 4.0 Min Req = 1.7 Bearing I 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 833 -1947 D - E 1279 -2685 B - C 1322 -2761 E - F 1279 -2685 C - D 1446 -3034

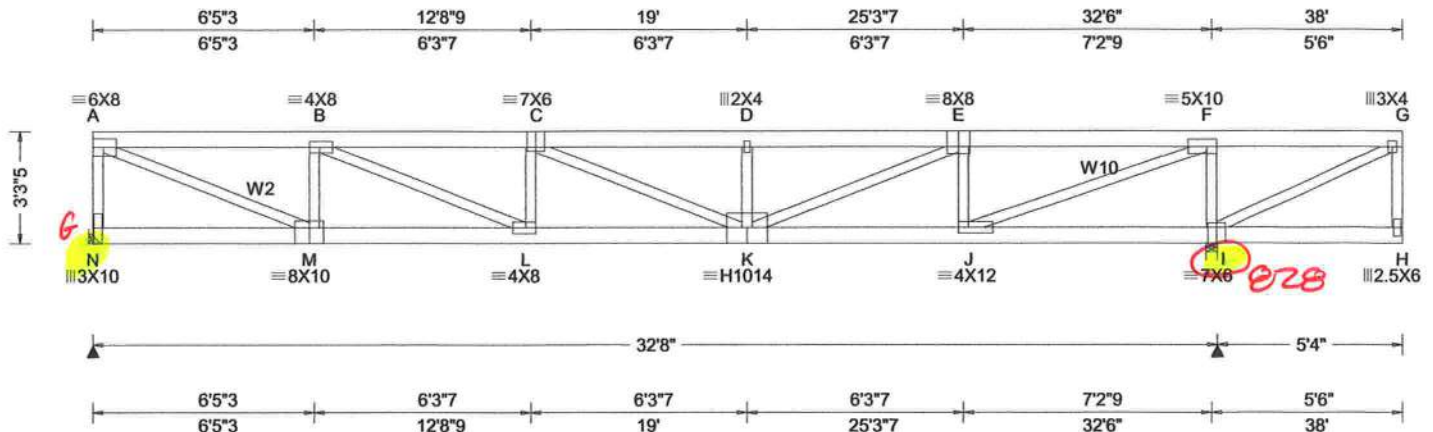
Lumber Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;	Wind Wind loads based on MWFRS with additional C&C member design. End verticals not exposed to wind pressure. Right cantilever is exposed to wind Wind loading based on both gable and hip roof types.	Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. O - N 1621 -781 L - K 1133 -554 N - M 2803 -1351 K - J 1133 -554 M - L 3037 -1454 J - I 1133 -554
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Bracing (a) Continuous lateral restraint equally spaced on member.	Additional Notes The overall height of this truss excluding overhang is 4'-5".	Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. A - P 583 -1398 D - L 226 -468 A - O 1613 -662 E - L 318 -413 B - N 1353 -656 L - F 1762 -824 N - C 422 -597 F - I 959 -1933
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03/16/2022

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 BCDL: 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: 3.80 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): 0.310 D 999 480 VERT(CL): 0.624 D 627 360 HORZ(LL): 0.056 A - - HORZ(TL): 0.113 A - - Creep Factor: 2.0 Max TC CSI: 0.300 Max BC CSI: 0.473 Max Web CSI: 0.900 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / RL N 2569 - / - / - /636 - / I 3348 - / - / - /828 - / Non-Gravity Loc R+ / R- / Rh / Rw / RL N Brg Width = - Min Req = - I Brg Width = 4.0 Min Req = 2.8 Bearing I 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 1120 -4563 D - E 1754 -7120 B - C 1677 -6838 E - F 1169 -4830 C - D 1754 -7120 F - G 389 -93

Lumber

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

Special Loads

—(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 30 plf at 0.00 to 30 plf at 38.00
BC: From 10 plf at 0.00 to 10 plf at 38.00
TC: 129 lb Conc. Load at 0.06, 2.06, 4.06, 6.06, 8.06, 10.06, 12.06, 14.06, 16.06, 18.06, 20.06, 20.36, 22.44, 24.44, 26.44, 28.44, 30.44, 32.44, 34.44, 36.44
BC: 90 lb Conc. Load at 0.06, 2.06, 4.06, 6.06, 8.06, 10.06, 12.06, 14.06, 16.06, 18.06, 20.06, 20.36, 22.44, 24.44, 26.44, 28.44, 30.44, 32.44, 34.44, 36.44

Purlins

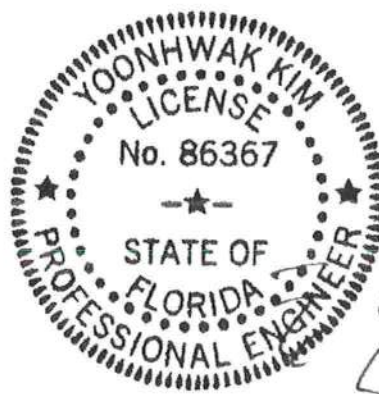
The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Wind

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

Additional Notes

Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 3'-3-5/8".



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03/16/2022

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Suite 305
Orlando FL, 32821

SEQN: 619270 /	FLAT	Ply: 1	Job Number: 22-7195	Cust: R215 JRef: 1XdW2150002 T3 /
FROM: CDM		Qty: 1	Lot 9 Kimberly Oaks - Garage Left	DrwNo: 075.22.0949.51362
Page 2 of 2			Truss Label: E25	JB / WHK 03/16/2022

Hangers / Ties

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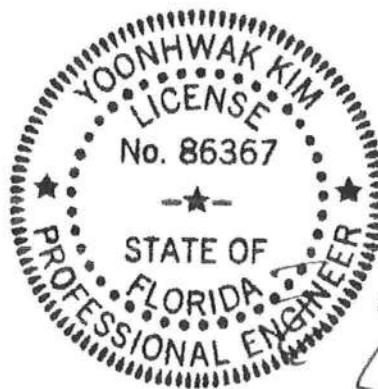
Bearing at location x=0' uses the following support conditions: 0'

Bearing N (0', 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
03/16/2022

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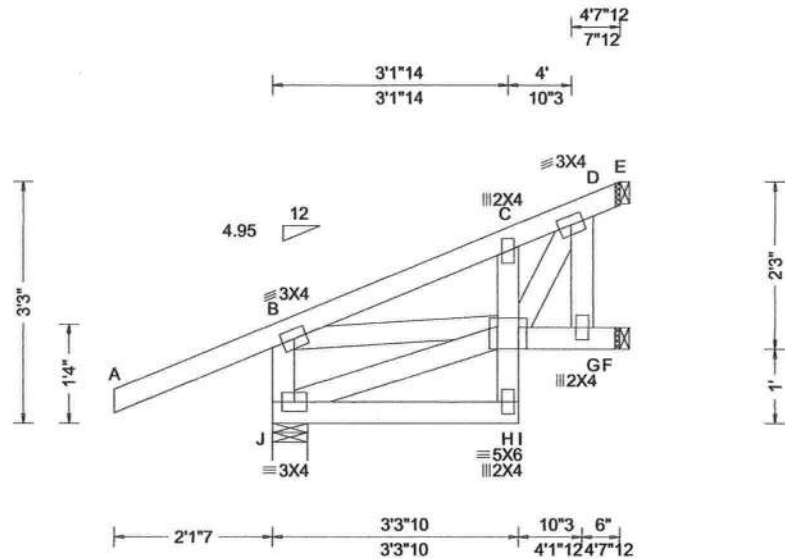
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 398083 / FROM: CDM	HIP_	Ply: 1 Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: HJ01	Cust: R 215 JRef: 1XdW2150002 T25 / DrwNo: 075.22.0949.52893 JB / WHK 03/16/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 C 999 480 VERT(CL): 0.003 C 999 360 HORZ(LL): 0.001 G - - HORZ(TL): 0.001 G - - Creep Factor: 2.0 Max TC CSI: 0.318 Max BC CSI: 0.040 Max Web CSI: 0.035 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity J 186 /- /- /- /45 /- F 55 /- /- /- /7 /- E 57 /- /- /- /9 /- Wind reactions based on MWFRS J Brg Width = 5.7 Min Req = 1.5 F Brg Width = 1.5 Min Req = - E Brg Width = 1.5 Min Req = - Bearing J is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Loading

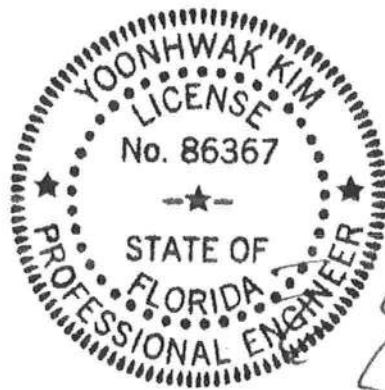
Hipjack supports 3-3-7 setback jacks with no webs.

Wind

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

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

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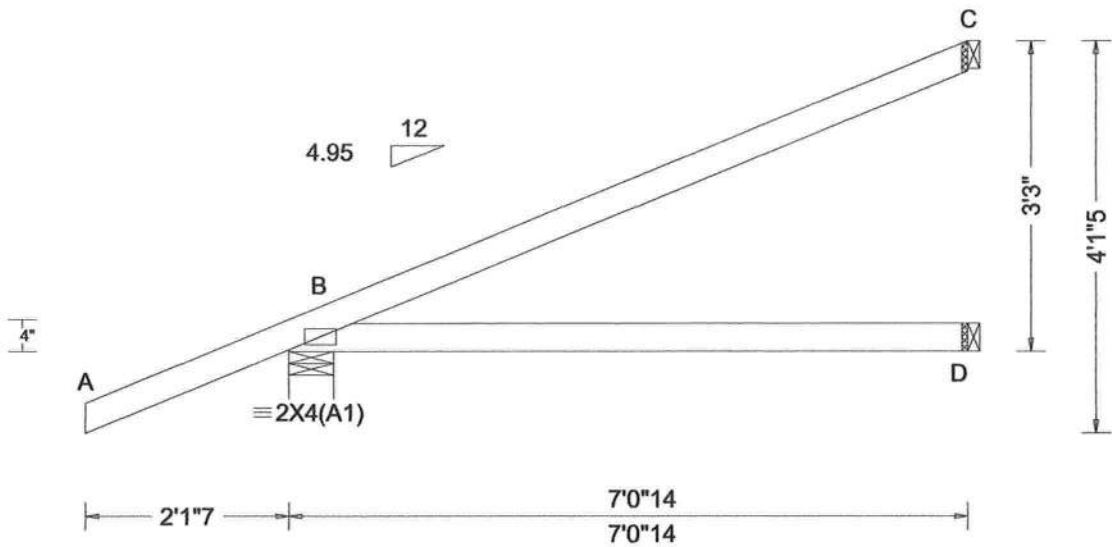
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ALPINE
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 398085 / FROM: CDM	HIP_	Ply: 1 Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: HJ02	Cust: R 215 JRef: 1XdW2150002 T44 / DrwNo: 075.22.0949.53534 JB / WHK 03/16/2022
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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): NA	B	310	/-	/-	/-	/68	/-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	D	81	/-	/-	/30	/-	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.008 B - -	C	215	/-	/-	/-	/76	/-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.017 B - -	Wind reactions based on MWFRS						
NCBCLL: 0.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	B	Brg Width = 5.7		Min Req = 1.5			
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.716	D	Brg Width = 1.5		Min Req = -			
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.328	C	Brg Width = 1.5		Min Req = -			
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: No	Max Web CSI: 0.000	Bearing B is a rigid surface.						
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Members not listed have forces less than 375#						
	Loc. from endwall: NA	Plate Type(s):								
	GCpi: 0.18	WAVE	VIEW Ver: 21.01.01A.0521.20							
	Wind Duration: 1.60									

Lumber

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

Loading

Hipjack supports 5-0-0 setback jacks with no webs.

Wind

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

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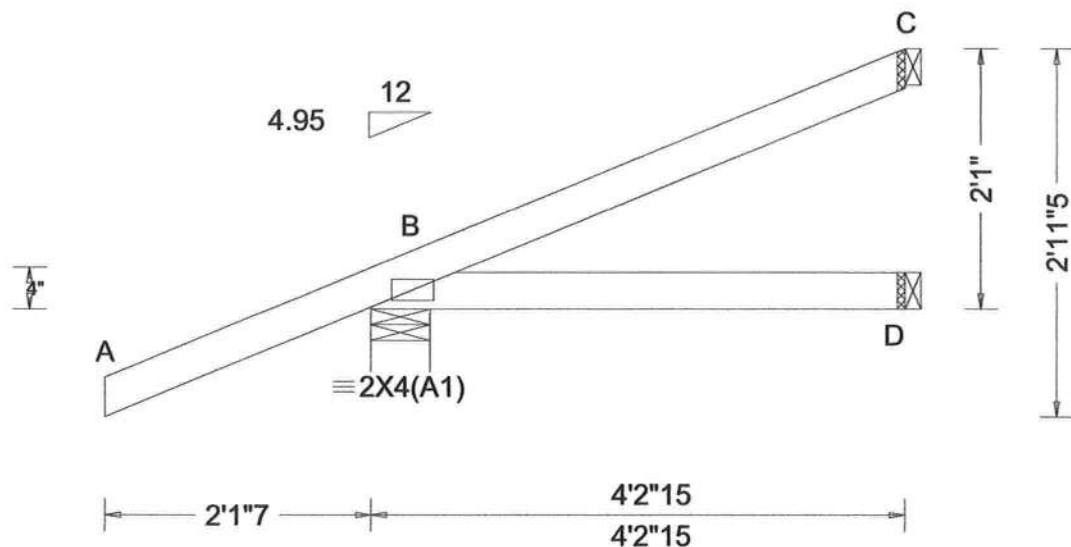
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6750 Forum Drive
Suite 305
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SEQN: 398078 / FROM: CDM	HIP_	Ply: 1 Qty: 2	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: HJ03	Cust: R 215 JRef: 1XdW2150002 T17 / DrwNo: 075.22.0949.53878 JB / WHK 03/16/2022
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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 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: NA GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.002 B - - HORZ(TL): 0.003 B - - Creep Factor: 2.0 Max TC CSI: 0.414 Max BC CSI: 0.121 Max Web CSI: 0.000 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 221 /- /- /- /56 /- D 12 /- /- /15 /- /- C 54 /- /- /- /20 /- Wind reactions based on MWFRS B Brg Width = 5.7 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Loading

Hipjack supports 3-0-0 setback jacks with no webs.

Wind

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 2-1-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

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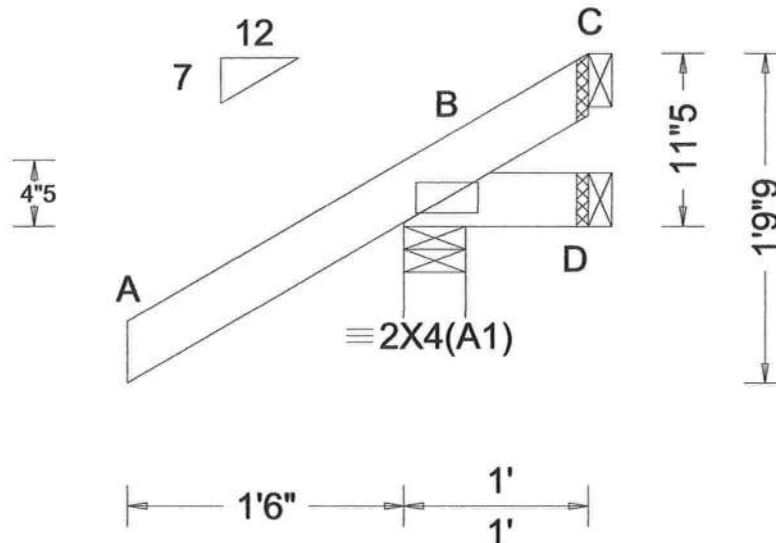
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Suite 305
Orlando FL, 32821

SEQN: 619227 / FROM: CDM	JACK Qty: 6	Ply: 1 Qty: 6	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: J01	Cust: R 215 JRef: 1XdW2150002 T6 / DrwNo: 075.22.0949.50612 JB / WHK 03/16/2022
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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 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 D - - HORZ(TL): 0.001 D - - Creep Factor: 2.0 Max TC CSI: 0.272 Max BC CSI: 0.039 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 257 /- /- /207 /62 /44 D 5 /-17 /- /15 /16 /- C - /-55 /- /35 /55 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 0-11-5.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

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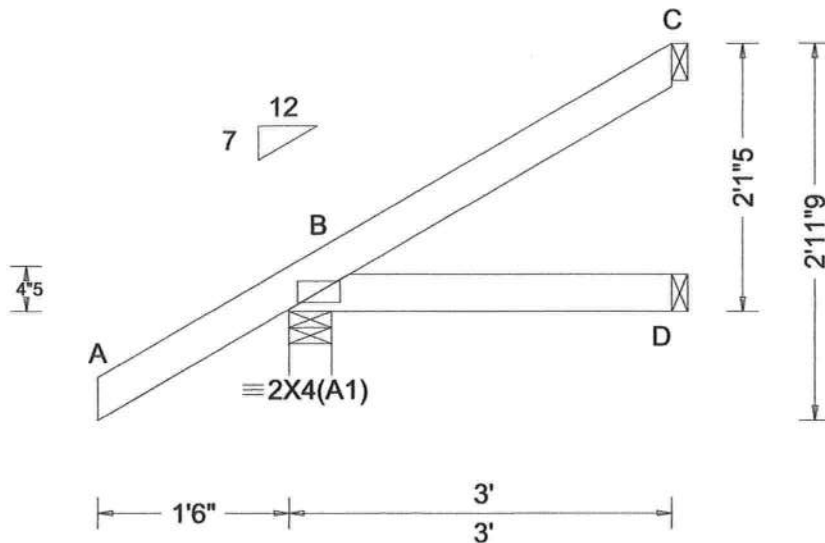
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 619229 / FROM: CDM	EJAC Ply: 1 Qty: 8	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: J02	Cust: R 215 JRef: 1XdW2150002 T16 / DrwNo: 075.22.0949.51612 JB / WHK 03/16/2022
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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 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 D - - HORZ(TL): 0.001 D - - Creep Factor: 2.0 Max TC CSI: 0.300 Max BC CSI: 0.073 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 265 /- /- /192 /36 /86 D 50 /- /- /32 /- /- C 63 /- /- /38 /38 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

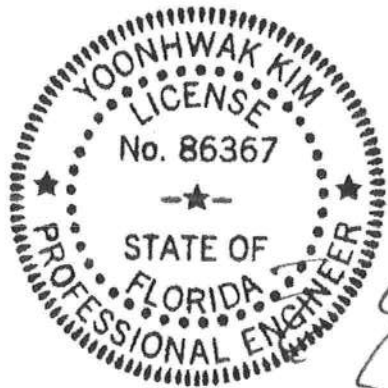
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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



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03/16/2022

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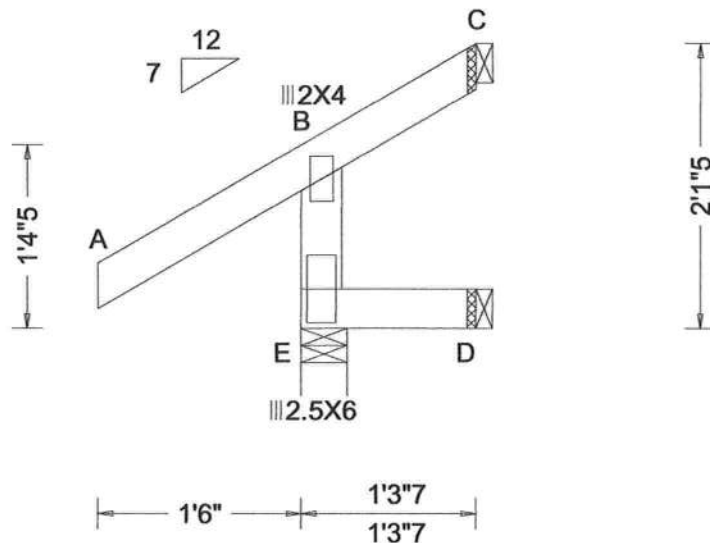
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 619242 / FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: J03	Cust: R 215 JRef: 1XdW2150002 T39 / DrwNo: 075.22.0949.50862 JB / WHK 03/16/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 B 999 480 VERT(CL): 0.000 B 999 360 HORZ(LL): 0.000 B - - HORZ(TL): 0.000 B - - Creep Factor: 2.0 Max TC CSI: 0.210 Max BC CSI: 0.018 Max Web CSI: 0.095 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 214 /- /- /191 /74 /- D 26 /- /- /13 /- /- C - /-19 /- /47 /53 /50 Wind reactions based on MWFRS E Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375#

Lumber

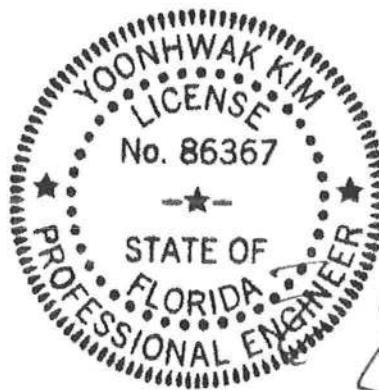
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

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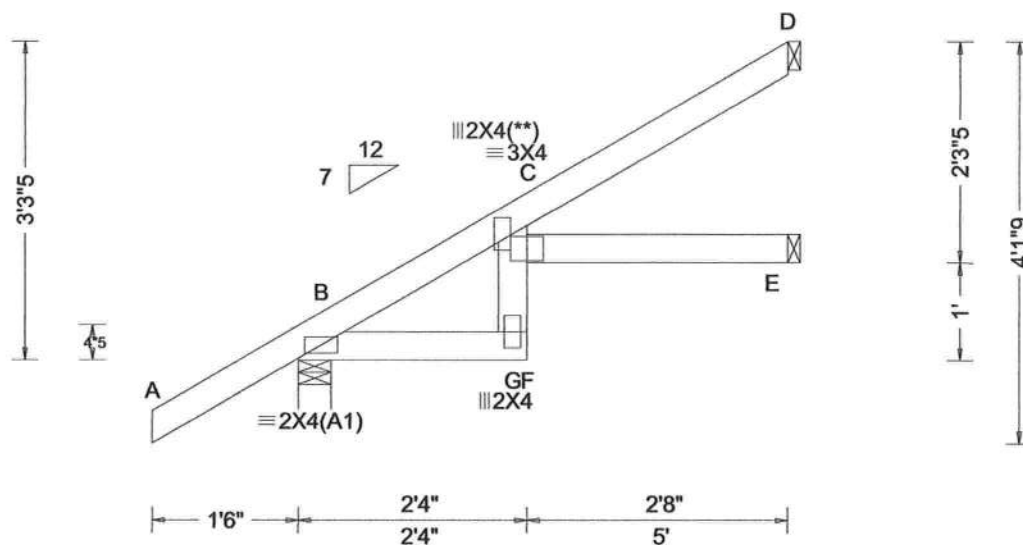
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Suite 305
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SEQN: 619247 / FROM: CDM	EJAC Ply: 1 Qty: 7	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: J04	Cust: R 215 JRef: 1XdW2150002 T38 / DrwNo: 075.22.0949.50096 JB / WHK 03/16/2022
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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 GCp1: 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): 0.049 F 999 480 VERT(CL): 0.097 F 598 360 HORZ(LL): 0.030 C - - HORZ(TL): 0.060 C - - Creep Factor: 2.0 Max TC CSI: 0.416 Max BC CSI: 0.122 Max Web CSI: 0.168 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 335 /- /- /232 /34 /127 E 63 /- /- /35 /- /- D 143 /- /- /96 /66 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 E Brg Width = 1.5 Min Req = - D Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

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

Wind

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

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

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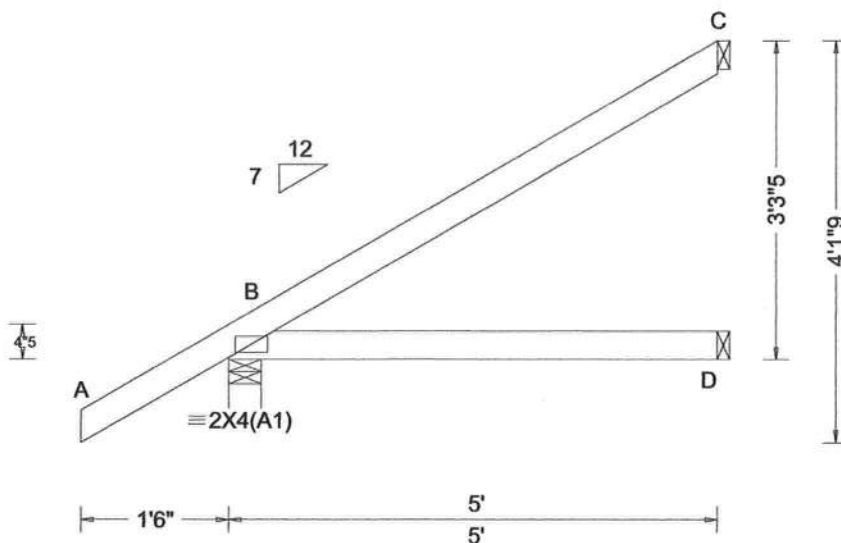
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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Orlando FL, 32821

SEQN: 619240 / FROM: CDM	EJAC Qty: 30	Ply: 1 Qty: 30	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: J05	Cust: R 215 JRef: 1XdW2150002 T42 / DrwNo: 075.22.0949.51457 JB / WHK 03/16/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.004 D - - HORZ(TL): 0.008 D - - Creep Factor: 2.0 Max TC CSI: 0.327 Max BC CSI: 0.251 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh Non-Gravity Loc R+ / R- / Rh B 335 /- /- /232 /34 /127 D 90 /- /- /52 /- /- C 129 /- /- /83 /71 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

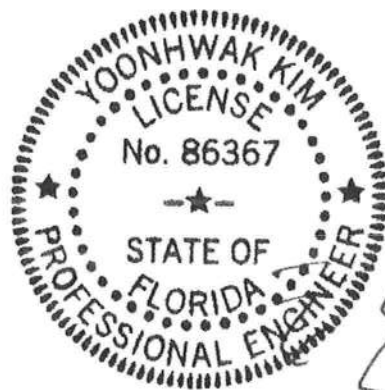
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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



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03/16/2022

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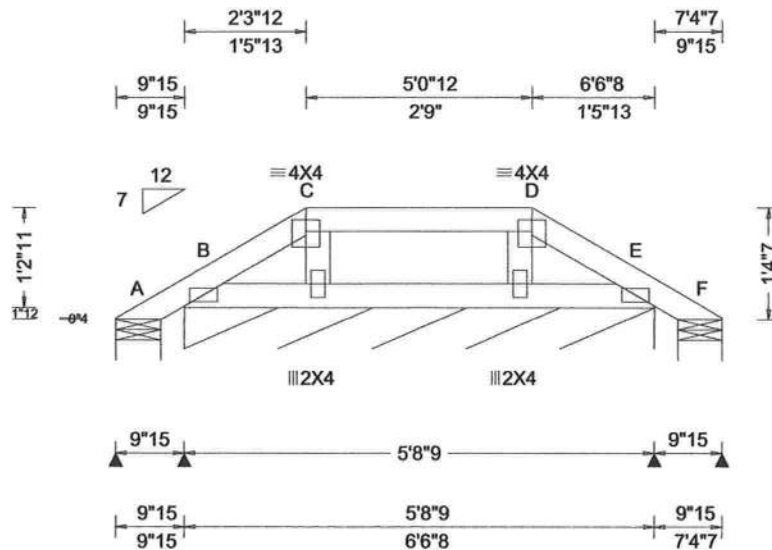
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Orlando FL, 32821

SEQN: 619312 / FROM: CDM	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: PB01	Cust: R 215 JRef: 1XdW2150002 T41 / DrwNo: 075.22.0949.51237 JB / WHK 03/16/2022
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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: 15.52 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 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): 0.000 H 999 480 VERT(CL): 0.000 H 999 360 HORZ(LL): 0.000 H - - HORZ(TL): 0.000 H - - Creep Factor: 2.0 Max TC CSI: 0.128 Max BC CSI: 0.020 Max Web CSI: 0.020 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL A 17 /- /- /25 /13 /33 B* 75 /- /- /50 /9 /- F 17 /- /- /16 /3 /- Wind reactions based on MWFRS A Brg Width = 6.5 Min Req = 1.5 B Brg Width = 68.6 Min Req = - F Brg Width = 6.5 Min Req = 1.5 Bearings A, B, & F are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

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

Loading

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

Wind

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

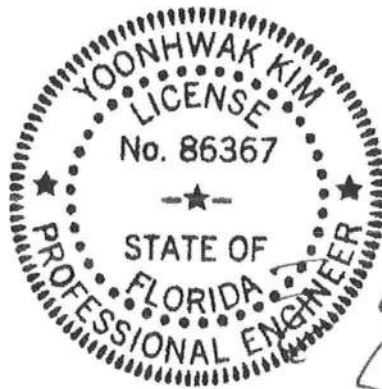
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

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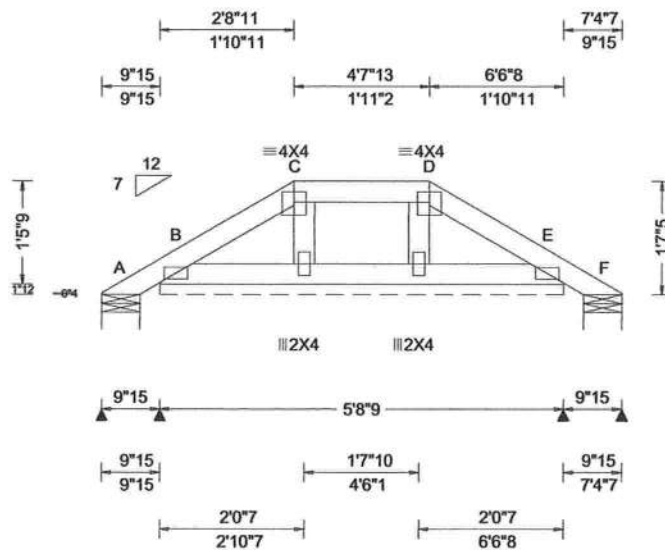
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ALPINE
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 398063 / FROM: CDM	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: PB02	Cust: R 215 JRef: 1XdW2150002 T19 / DrwNo: 075.22.0949.51878 JB / WHK 03/16/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
TCCL: 20.00 TCDL: 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: 15.64 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft 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): 0.000 E 999 480 VERT(CL): 0.001 E 999 360 HORZ(LL): 0.000 B - - HORZ(TL): 0.000 B - - Creep Factor: 2.0 Max TC CSI: 0.060 Max BC CSI: 0.019 Max Web CSI: 0.017 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL A 10 /- /- /27 /18 /39 B* 77 /- /- /53 /9 /- F 10 /- /- /10 /1 /- Wind reactions based on MWFRS A Brg Width = 6.5 Min Req = 1.5 B Brg Width = 68.6 Min Req = - F Brg Width = 6.5 Min Req = 1.5 Bearings A, B, & F are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

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

Loading

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

Wind

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

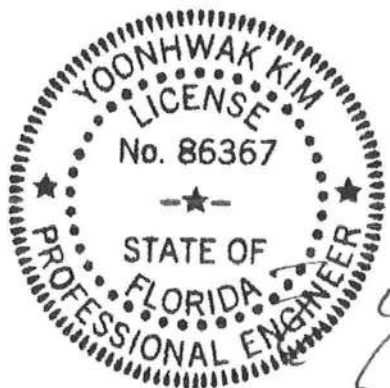
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.

The overall height of this truss excluding overhang is 1'-7-5.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

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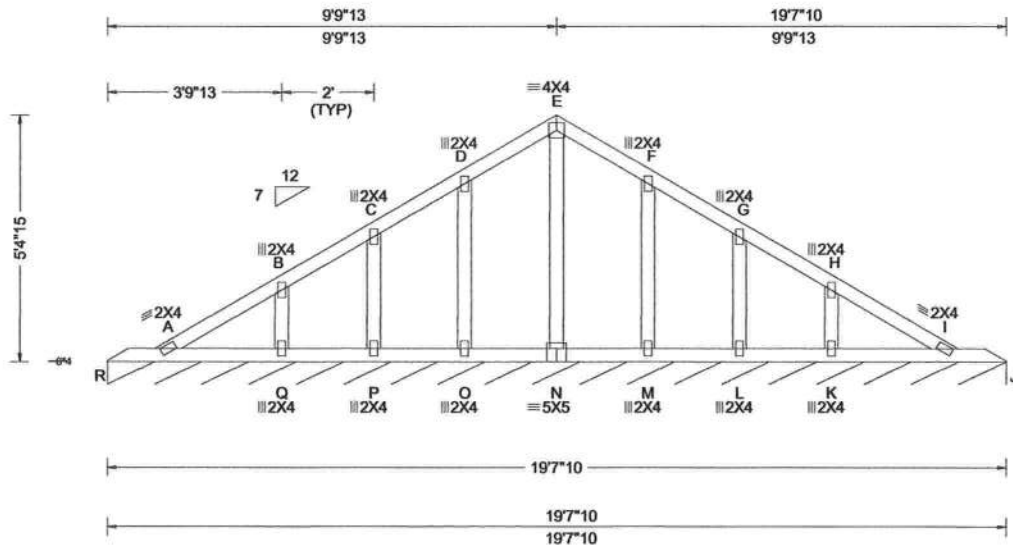
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Suite 305
Orlando FL, 32821

SEQN: 398068 / FROM: CDM	VAL	Ply: 1 Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: V01	Cust: R 215 JRef: 1XdW2150002 T10 / DrwNo: 075.22.0949.51737 JB / WHK 03/16/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Def/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCCL: 20.00 TCDL: 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: 15.32 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): 0.000 F 999 480 VERT(CL): 0.001 F 999 360 HORZ(LL): 0.001 F - - HORZ(TL): 0.001 F - - Creep Factor: 2.0 Max TC CSI: 0.063 Max BC CSI: 0.037 Max Web CSI: 0.049 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL J* 81 /- /- /41 /11 /7 Wind reactions based on MWFRS J Brg Width = 235 Min Req = - Bearing R is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.

The overall height of this truss excluding overhang is 5-4-15.

See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

Truss designed to support 8" maximum gable end overhang.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

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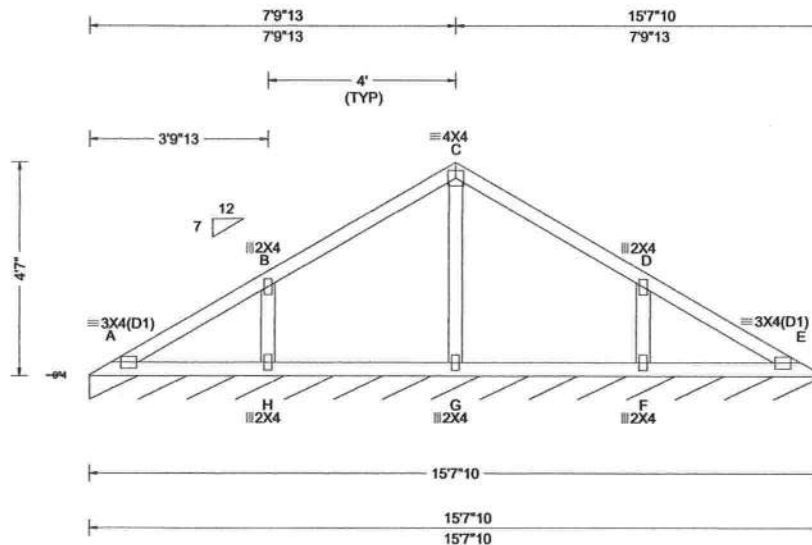
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SEQN: 398070 / FROM: CDM	VAL Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: V02	Cust: R 215 JRef: 1XdW2150002 T45 / DrwNo: 075.22.0949.53831 JB / WHK 03/16/2022
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Loading 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: 16.08 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.004 A 999 480 VERT(CL): 0.008 A 999 360 HORZ(LL): -0.002 E - - HORZ(TL): 0.004 E - - Creep Factor: 2.0 Max TC CSI: 0.288 Max BC CSI: 0.134 Max Web CSI: 0.091 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ /R- /Rh /Rw /U /RL E* 83 /- /- /43 /13 /7 Wind reactions based on MWFRS E Brg Width = 187 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

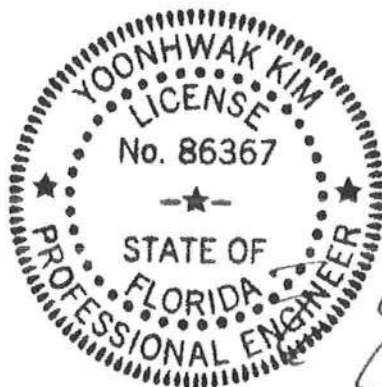
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.

The overall height of this truss excluding overhang is 47'-0".



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03/16/2022

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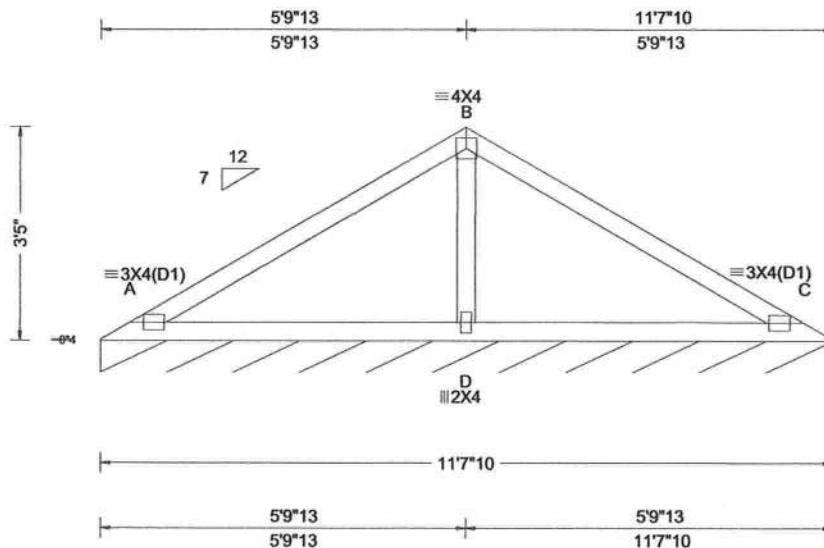
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 398072 / FROM: CDM	VAL Qty: 1	Ply: 1 Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: V03	Cust: R 215 JRef: 1XdW2150002 T46 / DrwNo: 075.22.0949.53987 JB / WHK 03/16/2022
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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: 16.67 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.021 A 999 480 VERT(CL): 0.043 A 999 360 HORZ(LL): -0.009 C - - HORZ(TL): 0.020 C - - Creep Factor: 2.0 Max TC CSI: 0.478 Max BC CSI: 0.397 Max Web CSI: 0.167 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL C* 83 /- /- /42 /13 /7 Wind reactions based on MWFRS C Brg Width = 139 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 466 -201 B - C 466 -201 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. B - D 358 -685

Lumber

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

Wind

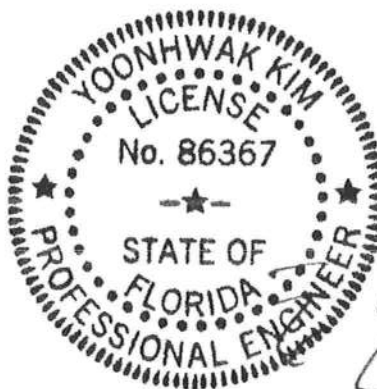
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.

The overall height of this truss excluding overhang is 3-5-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

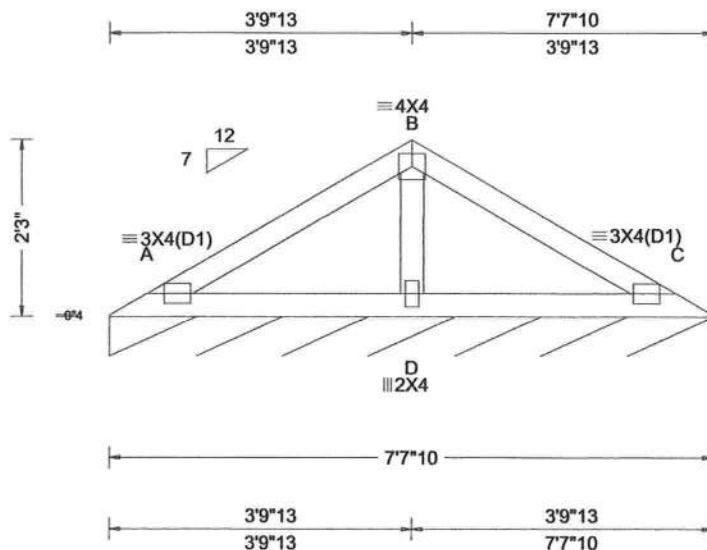
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 398074 / FROM: CDM	VAL Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: V04	Cust: R215 JRef: 1XdW2150002 T48 / DrwNo: 075.22.0949.52065 JB / WHK 03/16/2022
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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: 17.25 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): 0.006 A 999 480 VERT(CL): 0.012 A 999 360 HORZ(LL): -0.003 C - - HORZ(TL): 0.006 C - - Creep Factor: 2.0 Max TC CSI: 0.177 Max BC CSI: 0.155 Max Web CSI: 0.070 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 83 /- /- /41 /10 /7 Wind reactions based on MWFRS C Brg Width = 91.7 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

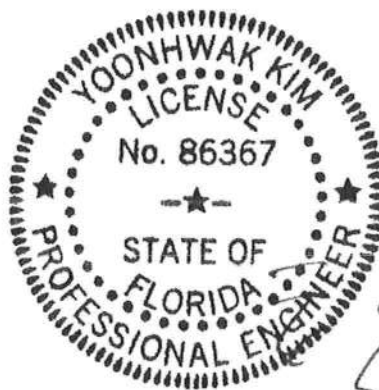
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.
The overall height of this truss excluding overhang is 2-3-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

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

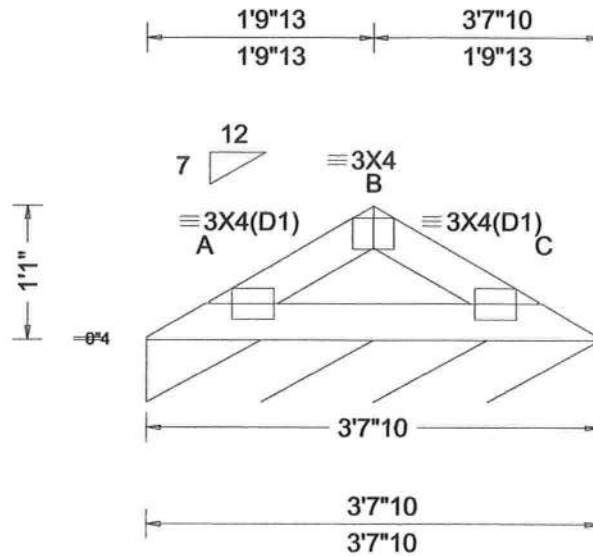
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

SEQN: 398076 / FROM: CDM	VAL Qty: 1	Ply: 1 Qty: 1	Job Number: 22-7195 Lot 9 Kimberly Oaks - Garage Left Truss Label: V05	Cust: R 215 JRef: 1XdW2150002 T49 DrwNo: 075.22.0949.52222 KD / YK 03/16/2022
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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: 17.83 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): 0.003 A 999 480 VERT(CL): 0.005 A 999 360 HORZ(LL): -0.001 A - - HORZ(TL): 0.002 A - - Creep Factor: 2.0 Max TC CSI: 0.061 Max BC CSI: 0.083 Max Web CSI: 0.000 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL C* 82 /- /- /38 /5 /5 Wind reactions based on MWFRS C Brg Width = 43.7 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

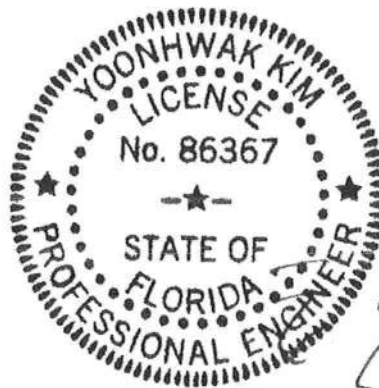
Wind

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

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.

The overall height of this truss excluding overhang is 1'-1.0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2022

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

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

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

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

ASCE 7-16: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, $K_{zt} = 1.00$

ASCE 7-16: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, $K_{zt} = 1.00$

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

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

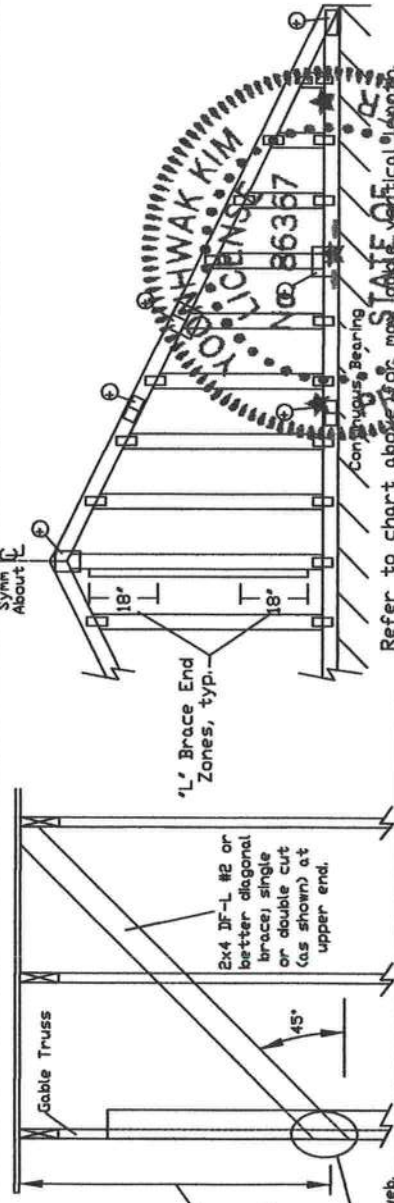
Dr: 100 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00

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

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

Vertical length shown
In table above.

Connect diagonal at midpoint of vertical



Refer to chart above for more available vertical lengths.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following information for details. Trusses shall be installed in accordance with the following practices prior to performing these functions. Installers shall provide temporary bracing pending final bracing. Trusses shall be braced in accordance with the following practices. Trusses shall have a properly attached and installed temporary bracing system. Trusses shall have bracing installed per BCSI sections 33, 37 or 310, as applicable. Apply plates to ends of truss and position as shown above and on the Joint Details, unless noted otherwise.

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.

For more information see this job's general notes page and these web sites:
 picture is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

Bracing Group Species and Grades:

Group A1

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

Hem-Fir	
#2	Stud
#3	Standard

Douglas Fir-Larch	
#3	
Stud	
Standard	

Southern Pine	
#3	
Stud	
Standard	

Group B1

Hem-Fir	
#1 & Btr	
#1	

Douglas Fir-Larch	
#1	
#2	

Southern Pine	
#1	
#2	

1x4 Braces shall be SRB (Stress-Rated Board),
 For 1x4 So. Pine use only Industrial 55 or
 Industrial 45 Stress-Rated Boards. Group B
 values may be used with these grades.

Gable Truss Detail Notes:
Wind Load deflection criterion is L/240.

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

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

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 common truss design for peak, splice, and heel plates.

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

REF	ASCE7-16-GAB14015
DATE	01/26/2018
DRWG	A14015ENC160118

MAX. TOT. LD. 60 PSF

MAY	OPACNIC	21 0
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Gable Stud Reinforcement Detail

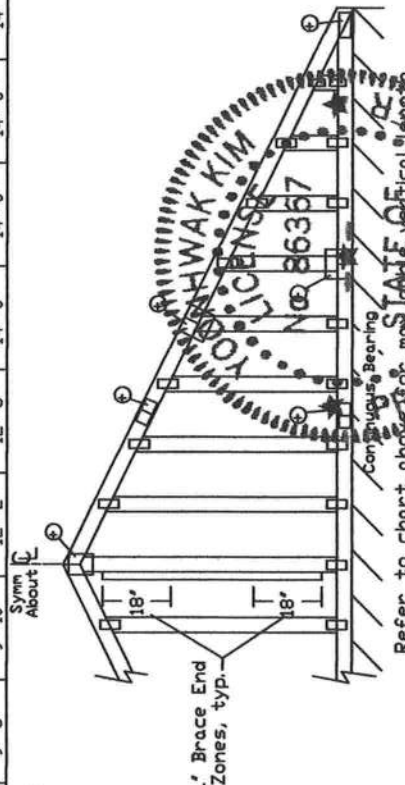
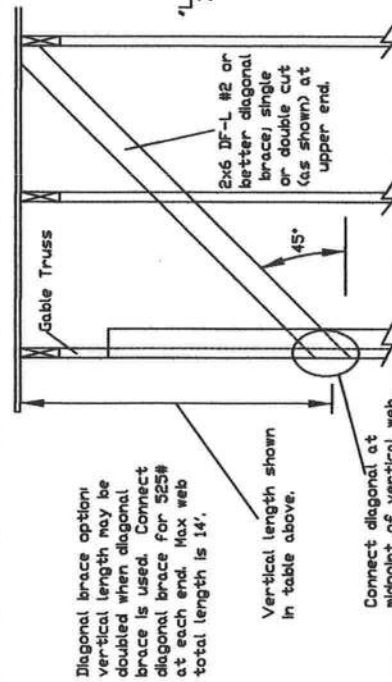
ASCE 7-16: 140 mph Wind Speed, 30' Mean Height, Enclosed, Exposure C, Kzt = 1.00

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

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

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

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



Bracing Group Species and Grades:			
Group A:		Group B:	
Species-Grade	Grade	Species-Grade	Grade
SPF #1 / #2	Standard	SPF #3	Standard
HF #3	Standard	HF #3	Standard
Douglas Fir-Larch #3	Standard	Douglas Fir-Larch #3	Standard
Douglas Fir-Larch #3	Standard	Douglas Fir-Larch #3	Standard
Douglas Fir-Larch #3	Standard	Douglas Fir-Larch #3	Standard

1x4 Braces shall be SRB (Stress-Rated Board). For 1x4 So. Pine use only Industrial 55 or Industrial 45 Stress-Rated Boards. Group B values may be used with these grades.

Gable Truss Detail Notes: Wind Load deflection criterion is L/240.

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

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

Attach 'L' braces with 10d (120"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.

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

Gable Vertical Plate Sizes	
Vertical Length	No Splice
Less than 4' 0"	2X4
Greater than 4' 0", but less than 11' 6"	3X4
Greater than 11' 6"	4X4

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

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

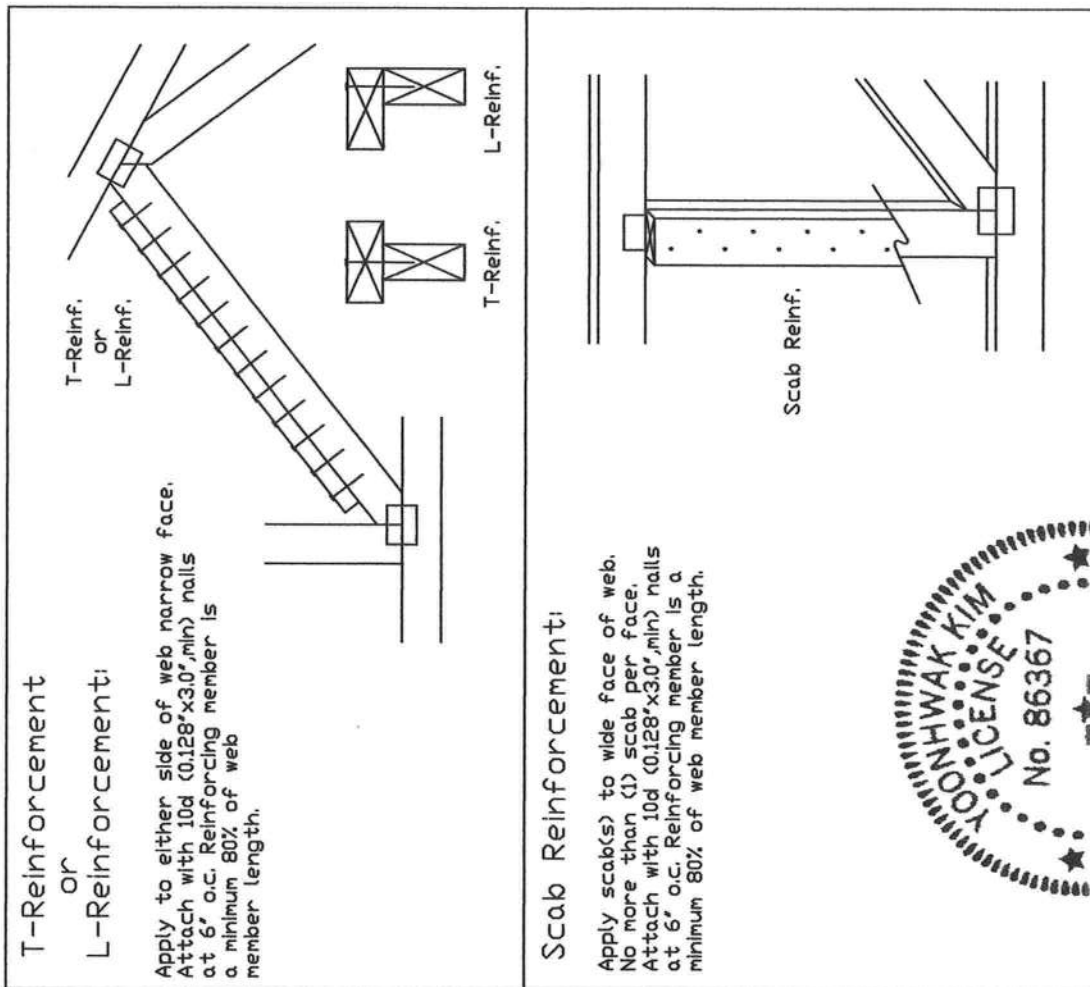
REF	ASCE 7-16-GAB14030
DATE	01/26/2018
DRWG	A14030ENC160118
MAX. TOT. LD. 60 PSF	
MAY CONTACT	

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Suite 242
Earth City, MO 63045

IMPORTANT: READ AND FOLLOW ALL NOTES ON 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 SCSA 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 properly attached structural sheathing. BCSI requires 35 psf BIA as minimum 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.
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 accordance with ANSI/TPI 1, or for handling, shipping, installation or bracing of trusses.
A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility for the safety of the building design and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Section 1.1.1.
For more information see this job's general notes page and these web site: <http://www.alpineinc.com>

Member Substitution

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



Alpha, a division of ITV 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, or storing, shall be the responsibility of the user. The liability and use of this drawing is the responsibility of the building designer per ANSI/TPI 1, Sec.2.

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

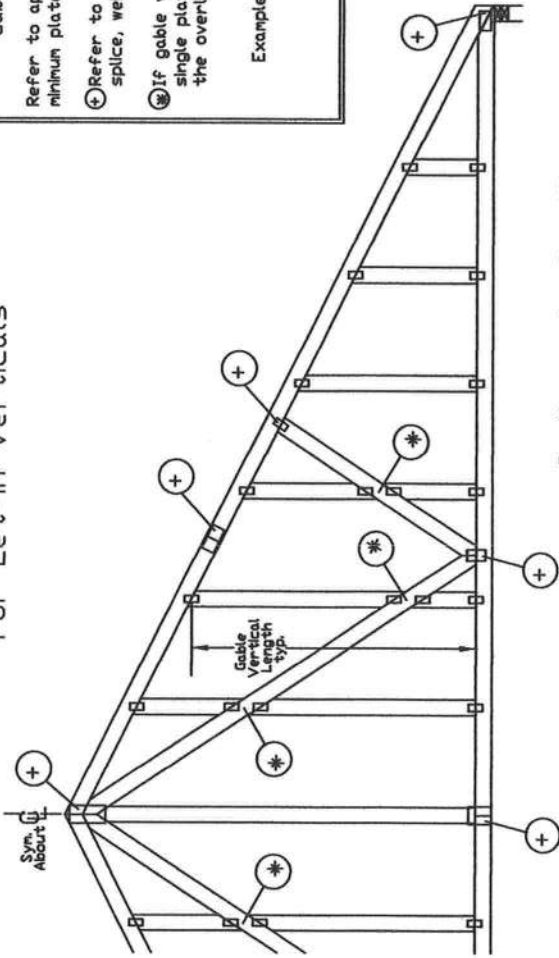
TC LL	PSF	REF	CLR Subst.
TC DL	PSF	DATE	01/02/19
BC DL	PSF	DRWG	BRCLBSUB0119
BC LL	PSF		
TOT. LD.	PSF		
DUR. FAC.			



ALPINE
AIR CONDITIONING

514 Earth City Expressway
Suite 242
Earth City, MO 63045

Gable Detail For Let-In Verticals

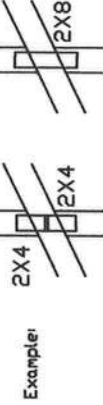


Gable Truss Plate Sizes

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

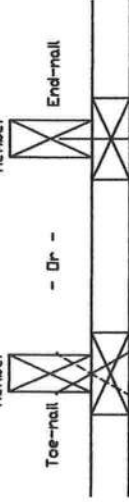
⊕ Refer to Engineered truss design for peak, splice, web, and heel plates.

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



Example:

T Reinforcement Attachment Detail
T Reinforcing Member



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

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

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

Web Length Increase w/ 'T' Brace

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

Example:

ASCE 7-10 Wind Speed = 120 mph

Mean Roof Height = 30 ft, Kzt = 1.00

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

'T' Reinforcing Member Size = 2x4

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

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

Maximum 'T' Reinforced Gable Vertical Length

1.30 x 8' 7" = 11' 2"

Provide connections for uplift specified on the engineered truss design.

Attach each 'T' reinforcing member with

End Driven Nails:

10d Common (0.148"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, A10015051014, A14015051014,

A13030051014, A12030051014, A10030051014, A14030051014

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

A11515ENC100118, A12015ENC100118, A14015ENC100118, A13015ENC100118,

A18015ENC100118, A20015ENC100118, A20015END100118, A120015ENC100118,

A11530ENC100118, A12030ENC100118, A14030ENC100118, A13030ENC100118,

A18030ENC100118, A20030ENC100118, A20030END100118, A120030ENC100118,

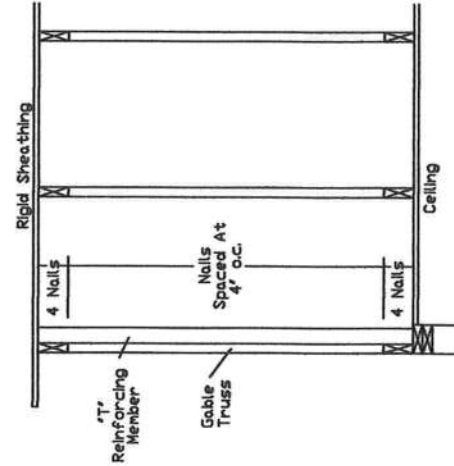
S11515ENC100118, S12015ENC100118, S14015ENC100118, S13015ENC100118,

S18015ENC100118, S20015ENC100118, S20015END100118, S20015PED100118,

S11530ENC100118, S12030ENC100118, S14030ENC100118, S13030ENC100118,

S18030ENC100118, S20030ENC100118, S20030END100118, S20030PED100118

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



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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. Seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineer's responsibility for the structure. For any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2

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

REF LET-IN VERT

DATE 01/02/2018

DRWG GBLLETIN0118

MAX. TOT. LD. 60 PSF

DUR. FAC. ANY

MAY CONTACT

Vanhuyl Kim ET DE #86367



514 Earth City Expressway
Suite 242
Earth City, MO 63045

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

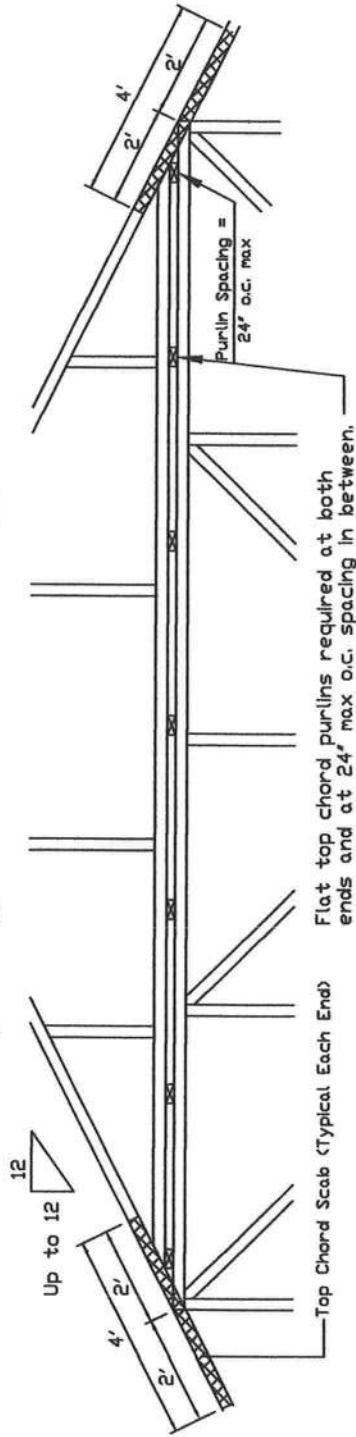
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg, located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0, Dr 140 mph Wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg, located anywhere in roof, Exp D, Wind DL= 5.0 psf (min), Kzt=1.0.

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

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

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

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

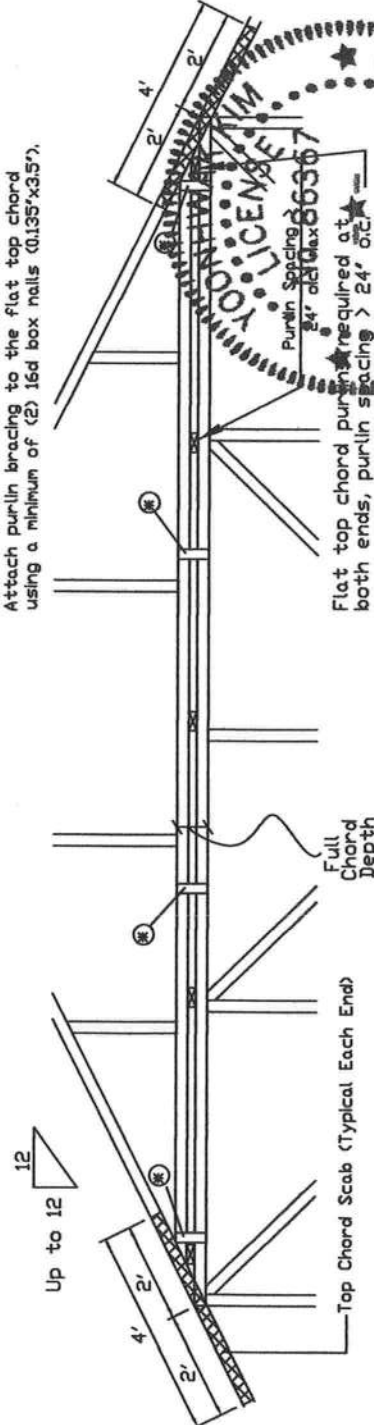


Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

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

The top chord #3 grade 2x4 scab may be replaced with either of the following: (1) 3x8 Trulox plate attached with (8) 0.120"x1.375" nails, (4) into cap TC & (4) into base truss TC or (2) 28P8 wave piggyback plate attached to the piggyback truss TC and attached to the base truss TC with (4) 0.120"x1.375" nails. Note: Nailing thru holes of wave plate is acceptable.

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



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

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

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

Flat top chord purlins required at both ends, purlin spacing > 24' o.c.

* In addition, provide connection with one of the following methods:
Trulox Use 3x8 Trulox plates for 2x4 chord member, and 3x10 Trulox plates for 2x6 and larger chord members. Attach to each face @ 8' o.c. with (4) 0.120"x1.375" nails into cap bottom chord and (4) in base truss top chord. Trulox plates may be staggered 4' o.c. front to back faces.
APA Rated Gusset 8"x8"x7/16" (min) APA rated sheathing gussets (each face). Attach @ 8' o.c. with (8) 5d common (0.113"x2") nails per gusset; (4) in cap bottom chord and (4) in base truss top chord. Gussets may be staggered 4' o.c. front to back faces.
2x4 Vertical Scabs 2x4 SPF #2, full chord depth scabs (each face). Attach @ 8' o.c. with (6) 10d box nails (0.128"x3") per scab, (3) in cap bottom chord and (3) in base truss top chord. Scabs may be staggered 4' o.c. front to back faces.
28P8 Wave Piggyback Plate One 28P8 wave piggyback plate to each face @ 8' o.c. Attach teeth to piggyback at time of fabrication. Attach to supporting truss with (4) 0.120"x1.375" nails per face per ply. Piggyback plates may be staggered 4' o.c. front to back faces.

IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING 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 best practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. If not noted otherwise, top chords shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. All bracing shall be attached to truss and positioned as shown above and on the Joint Details, unless noted otherwise.
 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 or covering of trusses.
 A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility 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 this job's general notes page and these web sites: 1/2/2022

REF	PIGGYBACK
DATE	01/02/2018
DRWG	PB160160118

Valley Detail - ASCE 7-16: 180 mph, 30' Mean Height, Partially Enclosed, Exp. C, Kzt=1.00

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

*** Attach each valley to every supporting truss with 535# connection or with (1) Simpson H2.5A or equivalent connector for

ASCE 7-16 180 mph, 30' Mean Height, Part, Enc, Building, Exp. C, Wind TC DL=5 psf, Kzt = 1.00

25

ASCE 7-16 160 mph, 30' Mean Height, Part. Enc.
Building, Exp. D, Wind TC DL=5 psf, Kzt = 1.00

Bottom chord may be square or pitched cut as shown.

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

All plates shown are Alpine Wave Plates.

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

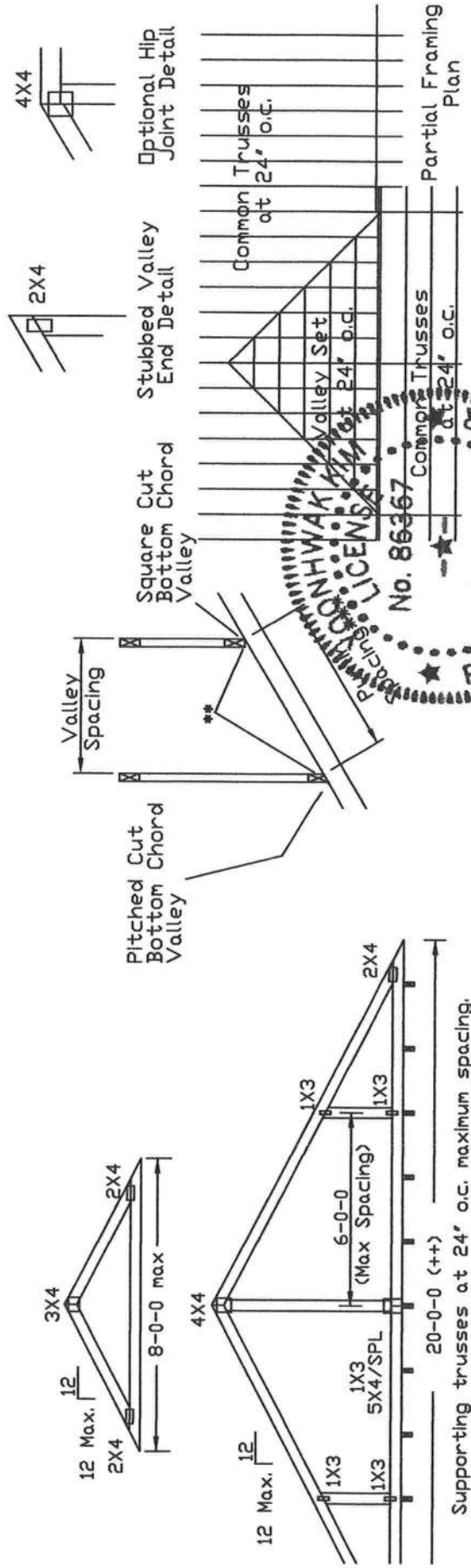
Top chord of truss beneath valley set must be braced with properly attached, rated sheathing applied prior to valley installation.

3

Purlins at 24' o.c. or as otherwise specified on engineer's sealed design
Or
By valley trusses used in lieu of purlin spacing as specified on Engineer's sealed design.

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

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



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Earth City, MO 63045

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IMPORTANT— FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of ECSC Guiding Construction Specifications for Trusses. Strictly follow the practices prior to performing these functions. Installers shall provide temporary bracing per ECSC. 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 ECSC sections B3, B7 or B10, as applicable. Apply plates to each face of stress and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings B04-2 for standard plate positions.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from the design shown. The user of this drawing assumes the trust in conformance with ANSI/TPI 1, or for handling, shipping, installation, or 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 this job's general notes page and the web site

TC	LL	30	30	40PSF	REF	VALLEY DETAIL
TC	DL	20	15	7 PSF	DATE	01/26/2018
BC	DL	10	10	10 PSF	DRWG	VAL180160118
BC	LL	0	0	0 PSF		
TOT.	LD.	60	55	57PSF		
DUR.FAC.1.25/1.33				1.15		

Valley Detail - ASCE 7-16: 30' Mean Height, Enclosed, Exp. C, Kzt=1.00

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

*** Attach each valley to every supporting truss with:
(2) 16d box (0.135' x 3.5') nails toe-nailed for
ASCE 7-16, 30' Mean Height, Enclosed Building, Exp. C,
Wind TC DL=5 psf, Kzt = 1.00, Max. Wind Speed based
supporting truss material at connection location:
170 mph for SP (G = 0.55, min.),
155 mph for DF-L (G = 0.50, min.), or
120 mph for HF & SPF (G = 0.42, min.).

Maximum top chord pitch is 10/12 for supporting trusses below valley trusses.

Bottom chord of valley trusses may be square or pitched cut as shown.

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

All plates shown are Alpine Wave Plates.

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

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

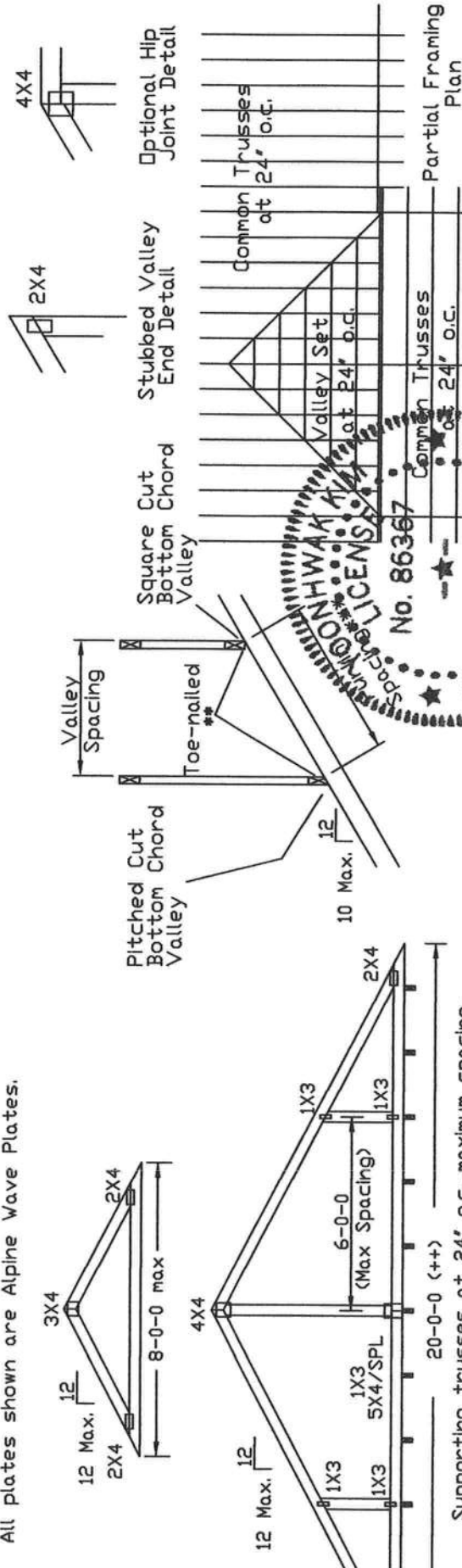


Purlins at 24" o.c. or as otherwise specified on engineer's sealed design
or

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

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

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



Supporting trusses at 24' o.c. maximum spacing.

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

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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.

For more information see this job's general notes page and these web pages: 6/2022

TC	LL	30	40	PSF	REF	VALLEY DETAIL
TC	DL	20	15	7	PSF	DATE 01/26/2018
BC	DL	10	10	10	PSF	DRWG VALTN160118
BC	LL	0	0	0	PSF	
TOT. LD.		60	55	57	PSF	
DUR.FAC.		1.25/1.33	1.15	1.15		
SPACING		24	24	24		