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and sealed using a Digital Signature. Printed
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Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 20-4805
Job Description: Sunset Lot 6	
Address: FL	

Job Engineering Criteria:	
Design Code: FBC 7th Ed. 2020 Res	IntelliVIEW Version: 20.01.01A JRef #: 1X012150001
Wind Standard: ASCE 7-16 Wind Speed (mph): 130	Design Loading (psf): 40.00
Building Type: Closed	

This package contains general notes pages, 41 truss drawing(s) and 5 detail(s).

Item	Drawing Number	Truss
1	307.20.1512.22143	A01
3	307.20.1512.26850	B02
5	307.20.1512.30740	C02
7	307.20.1512.34463	C04
9	307.20.1512.38010	D02
11	307.20.1512.40960	D04
13	307.20.1512.47953	G02
15	307.20.1512.51247	G04
17	307.20.1512.55747	G06
19	307.20.1512.59367	G08
21	307.20.1513.04357	G10
23	307.20.1513.08627	G12
25	307.20.1513.12177	J02
27	307.20.1513.14877	J04
29	307.20.1513.21477	J06
31	307.20.1513.23817	J08
33	307.20.1513.29133	JH02
35	307.20.1514.05753	V01
37	307.20.1514.13767	V03
39	307.20.1514.15177	V05
41	307.20.1514.18687	V07
43	GBLLETIN0118	
45	VAL180160118	

Item	Drawing Number	Truss
2	307.20.1512.24810	B01
4	307.20.1512.28733	C01
6	307.20.1512.32530	C03
8	307.20.1512.36363	D01
10	307.20.1512.39587	D03
12	307.20.1512.45333	G01
14	307.20.1512.49530	G03
16	307.20.1512.53820	G05
18	307.20.1512.57360	G07
20	307.20.1513.01543	G09
22	307.20.1513.05973	G11
24	307.20.1513.10310	J01
26	307.20.1513.13537	J03
28	307.20.1513.19307	J05
30	307.20.1513.22710	J07
32	307.20.1513.25203	JH01
34	307.20.1514.04340	JH03
36	307.20.1514.12797	V02
38	307.20.1514.14557	V04
40	307.20.1514.16237	V06
42	A14015ENC160118	
44	BRCLBSUB0119	
46	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.

General Notes (continued)

Key to Terms:

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

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

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

CL = Certified lumber.

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

FRT = Fire Retardant Treated lumber.

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

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

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

g = green lumber.

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

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

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

Ic = Incised lumber.

FJ = Finger Jointed lumber.

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

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

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

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

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

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

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

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

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

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

PP = Panel Point.

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

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

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

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

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

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

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

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

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

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

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

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

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

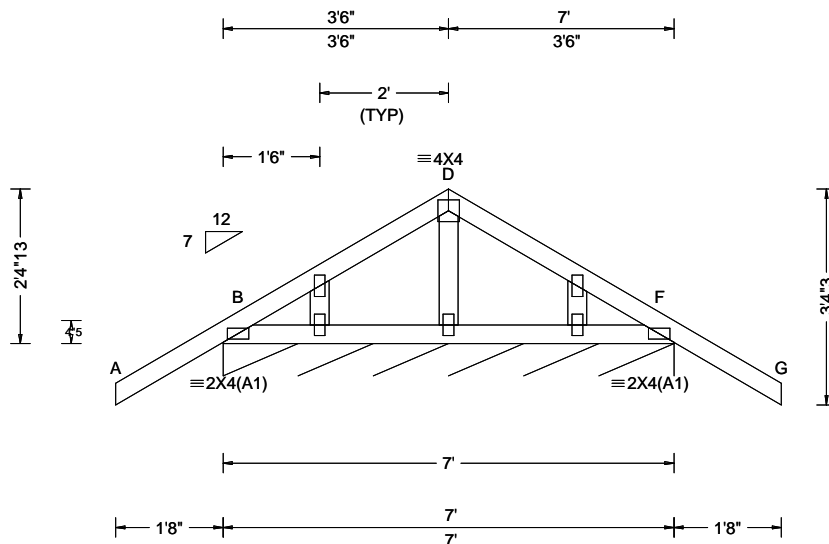
Refer to ASCE-7 for Wind and Seismic abbreviations.

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

References:

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

SEQN: 604623 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 20-4805 Sunset Lot 6 Truss Label: A01	Cust: R 215 JRef: 1X012150001 T42 DrwNo: 307.20.1512.22143 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.002 J 999 240	F*	217	/-	/-	/95	/166	/28
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): -0.002 J 999 180	Wind reactions based on MWFRS						
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.002 J - -	F	Brg Width = 84.0		Min Req = -			
Des Ld: 40.00	EXP: C Kzt: 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	HORZ(TL): 0.002 J - -	Bearing B is a rigid surface.						
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	Members not listed have forces less than 375#						
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.617							
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.115							
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.086							
	C&C Dist a: 3.00 ft		VIEW Ver: 20.01.01A.0724.11							
	Loc. from endwall: Any									
	GCpi: 0.18									
	Wind Duration: 1.60									

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

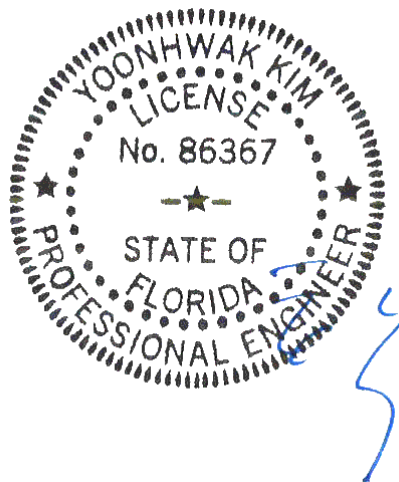
Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 2.30 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.
Uplifts based on an elevation at or above 1000 ft.

Additional Notes

See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.
The overall height of this truss excluding overhang is 2-4-13.



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/02/2020

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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[illegible]

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;	Additional Notes See DWGS A14015ENC160118 & GBLLTIN0118 for gable wind bracing and other requirements. Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6. The overall height of this truss including the hang is 6'-3-3/4".	D - F 392 0 F - H 379 -43																		
Plating Notes All plates are 2X4 except as noted.		Maximum Bot Chord Forces Per Ply (lbs) <table><tr><th>Chords</th><th>Tens.</th><th>Comp.</th><th>Chords</th><th>Tens.</th><th>Comp.</th></tr><tr><td>B - V</td><td>382</td><td>-82</td><td>T - N</td><td>377</td><td>-87</td></tr><tr><td>V - T</td><td>377</td><td>-87</td><td></td><td></td><td></td></tr></table>	Chords	Tens.	Comp.	Chords	Tens.	Comp.	B - V	382	-82	T - N	377	-87	V - T	377	-87			
Chords	Tens.	Comp.	Chords	Tens.	Comp.															
B - V	382	-82	T - N	377	-87															
V - T	377	-87																		
Loading Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 2.30 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.		Maximum Gable Forces Per Ply (lbs) <table><tr><th>Gables</th><th>Tens.</th><th>Comp.</th></tr><tr><td>F - V</td><td>0</td><td>-555</td></tr></table>	Gables	Tens.	Comp.	F - V	0	-555												
Gables	Tens.	Comp.																		
F - V	0	-555																		

Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.
Uplifts based on an elevation at or above 1000 ft.


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11/02/2020

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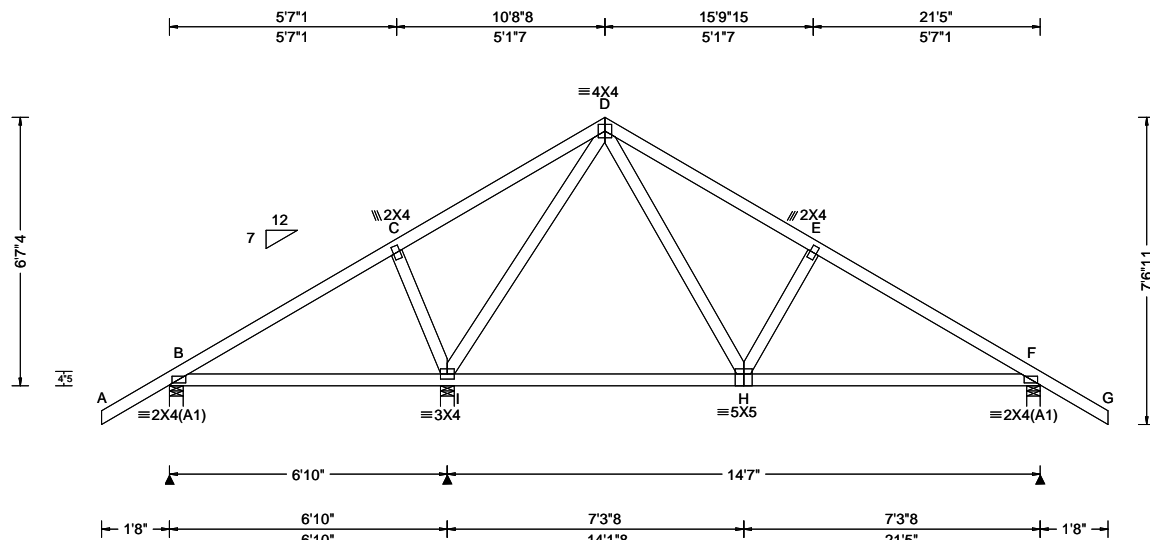
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpiinst.org; SBCA: sbcdindustry.com; ICC: iccsafe.org; AWC: awc.org


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Suite 305
Orlando FL, 32821

SEQN: 604618 FROM: CDM	COMM Ply: 1 Qty: 2	Job Number: 20-4805 Sunset Lot 6 Truss Label: B02	Cust: R 215 JRef: 1X012150001 T3 DrwNo: 307.20.1512.26850 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 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/def L/# VERT(LL): 0.017 E 999 240 VERT(CL): 0.033 E 999 180 HORZ(LL): 0.007 D - - HORZ(TL): 0.013 D - - Creep Factor: 2.0 Max TC CSI: 0.488 Max BC CSI: 0.539 Max Web CSI: 0.679 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL B 362 - / - /229 /54 /203 I 1070 - / - /550 /153 - F 720 - / - /469 /110 - Non-Gravity B Brg Width = 4.0 Min Req = 1.5 I Brg Width = 4.0 Min Req = 1.5 F Brg Width = 4.0 Min Req = 1.5 Wind reactions based on MWFRS Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. D - E 270 -658 E - F 233 -812

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

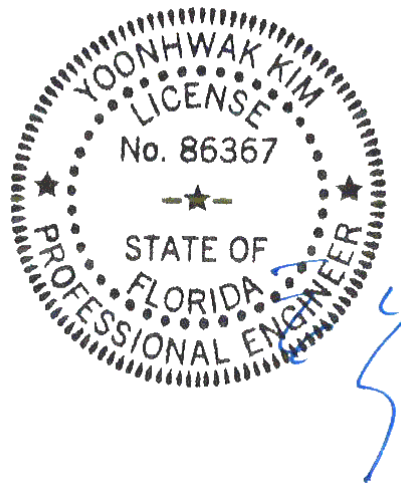
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

The overall height of this truss excluding overhang is 6'-7.4".

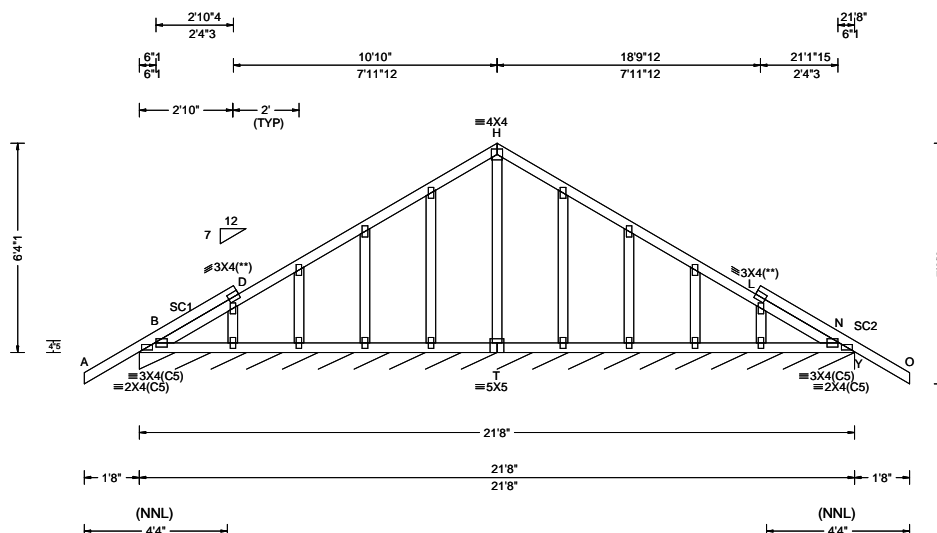


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11/02/2020

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SEQN: 604626 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 20-4805 Sunset Lot 6 Truss Label: C01	Cust: R 215 JRef: 1X012150001 T5 DrwNo: 307.20.1512.28733 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.002 D 999 240 VERT(CL): 0.003 D 999 180 HORZ(LL): -0.000 X - - HORZ(TL): 0.001 X - - Creep Factor: 2.0 Max TC CSI: 0.658 Max BC CSI: 0.038 Max Web CSI: 0.075 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL Y* 177 /- /- /75 /- /4 Wind reactions based on MWFRS Y Brg Width = 260 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. T - N 512 -57

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.

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

Loading

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

Wind

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

Wind loading based on both gable and hip roof types.

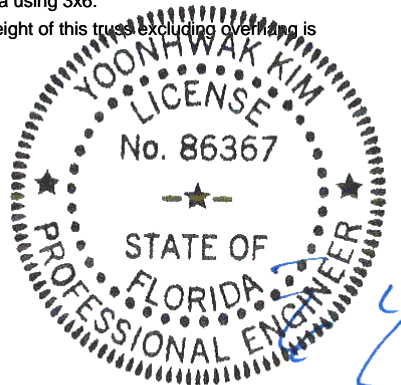
Uplifts based on an elevation at or above 1000 ft.

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 notched area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notched area using 3x6.

The overall height of this truss excluding overhang is 6-4-1.



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/02/2020

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

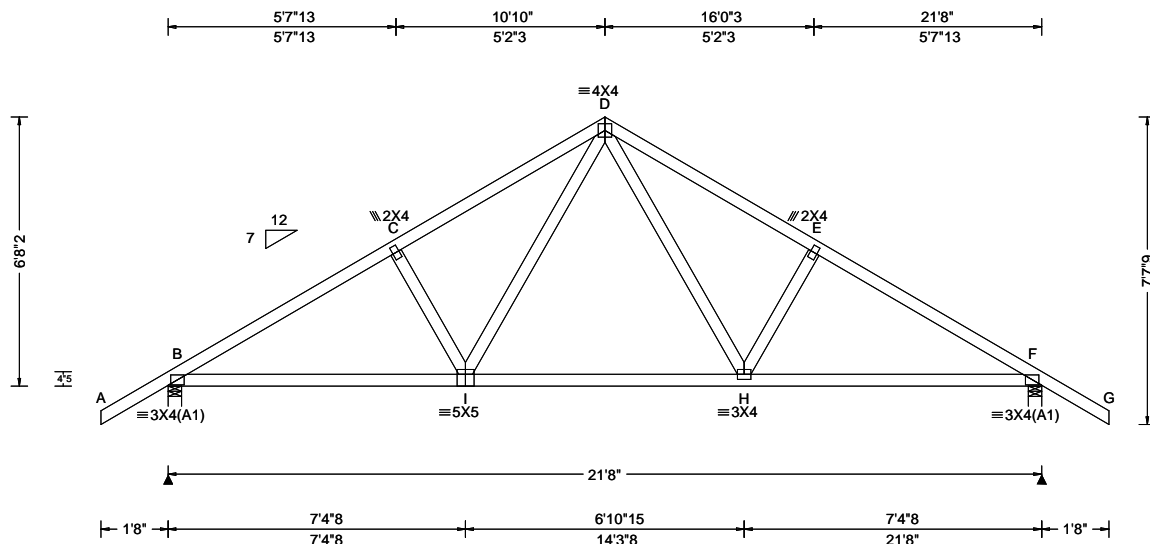
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 604567 FROM: CDM	COMN Ply: 1 Qty: 9	Job Number: 20-4805 Sunset Lot 6 Truss Label: C02	Cust: R 215 JRRef: 1X012150001 T4 DrwNo: 307.20.1512.30740 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 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/def L/# VERT(LL): 0.046 H 999 240 VERT(CL): 0.088 H 999 180 HORZ(LL): 0.019 H - - HORZ(TL): 0.036 H - - Creep Factor: 2.0 Max TC CSI: 0.299 Max BC CSI: 0.606 Max Web CSI: 0.194 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL B 1065 - / - / /611 /160 /204 F 1065 - / - / /611 /160 - 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 419 - 1458 D - E 456 - 1302 C - D 456 - 1301 E - F 419 - 1459

Lumber

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

Loading

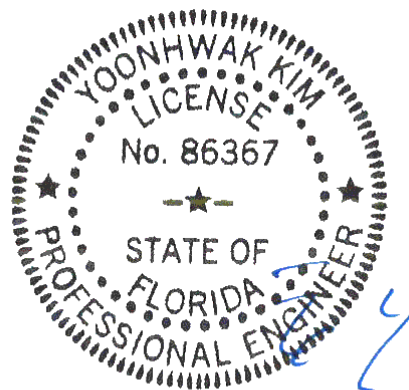
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.
Uplifts based on an elevation at or above 1000 ft.

Additional Notes

The overall height of this truss excluding overhang is 6-8-2.



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/02/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - I	1187 -212	H - F	1188 -228
I - H	809 -43		

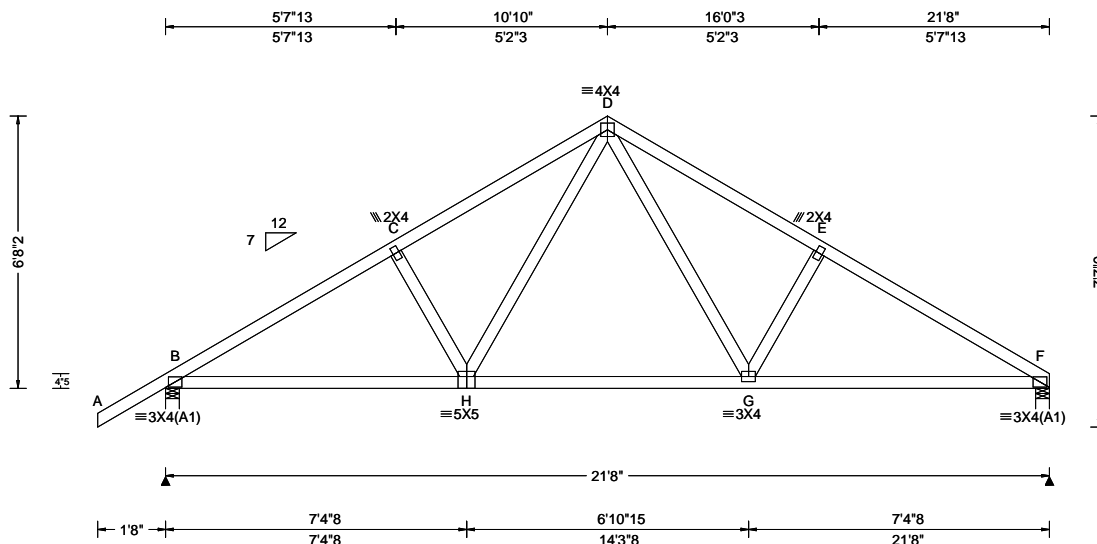
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
I - D	508 -154	D - H	510 -153

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

SEQN: 604595 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4805 Sunset Lot 6 Truss Label: C03	Cust: R 215 JRef: 1X012150001 T6 DrwNo: 307.20.1512.32530 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 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: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.045 H 999 240 VERT(CL): 0.088 H 999 180 HORZ(LL): 0.019 G - - HORZ(TL): 0.037 G - - Creep Factor: 2.0 Max TC CSI: 0.297 Max BC CSI: 0.620 Max Web CSI: 0.205 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL B 1071 - / - /611 /8 /186 F 947 - / - /516 /1 /- Non-Gravity 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 249 -1467 D - E 292 -1329 C - D 284 -1310 E - F 256 -1486

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

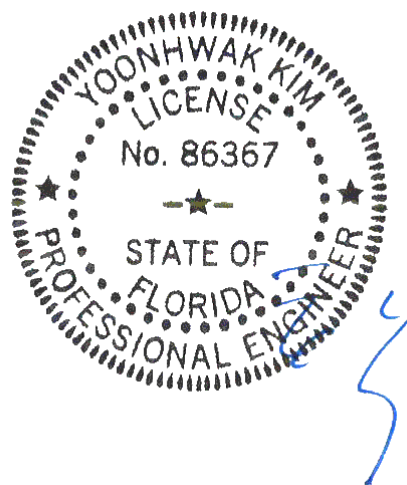
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

The overall height of this truss excluding overhang is 6-8-2.



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/02/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - H	1195 -142	G - F	1217 -152
H - G	818 -24		

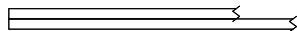
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
H - D	506 -81	D - G	537 -95

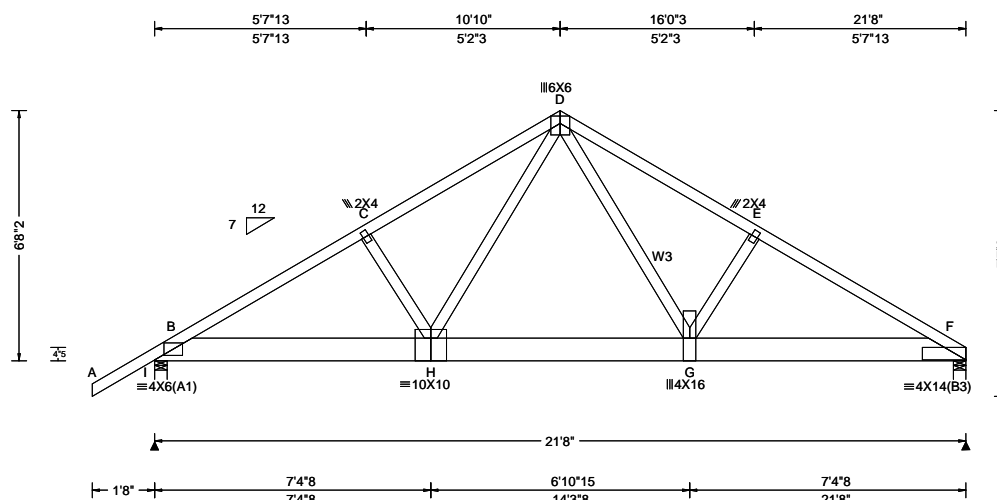
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 604676 FROM: CDM	COMM Ply: 2 Qty: 1	Job Number: 20-4805 Sunset Lot 6 Truss Label: C04	Cust: R 215 JRef: 1X012150001 T20 DrwNo: 307.20.1512.34463 / YK 11/02/2020
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft 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/def L/# VERT(LL): 0.120 G 999 240 VERT(CL): 0.238 G 999 180 HORZ(LL): 0.029 C - - HORZ(TL): 0.058 C - - Creep Factor: 2.0 Max TC CSI: 0.851 Max BC CSI: 0.610 Max Web CSI: 0.707 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity I 3554 -/- /- /- /486 -/ F 6867 -/- /- /- /476 -/ Wind reactions based on MWFRS I Brg Width = 4.0 Min Req = 1.5 F Brg Width = 4.0 Min Req = 2.8 Bearings I & 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 445 -3316 D - E 443 -4408 C - D 417 -3242 E - F 471 -4481

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x8 SP 2400f-2.0E;
Webs: 2x4 SP #3; W3 2x4 SP #2;

Nailnote

Nail Schedule: 0.131"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 3.75" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at -1.67 to 63 plf at 7.06
TC: From 32 plf at 7.06 to 32 plf at 10.83
TC: From 63 plf at 10.83 to 63 plf at 21.67
BC: From 5 plf at -1.67 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 7.38
BC: From 10 plf at 7.38 to 10 plf at 9.66
BC: From 30 plf at 9.66 to 30 plf at 12.01
BC: From 10 plf at 12.01 to 10 plf at 21.67
BC: 1236 lb Conc. Load at 9.06
BC: 1241 lb Conc. Load at 11.06,13.06
BC: 1251 lb Conc. Load at 15.06,17.06,19.06,21.06

Loading

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

Wind

Wind loads and reactions based on MWFRS.
Wind loading based on both gable and hip roof types.
Uplifts based on an elevation at or above 1000 ft.

Additional Notes

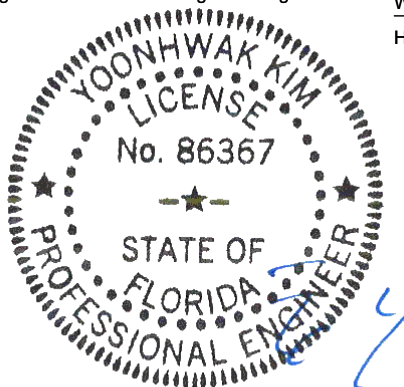
Wall girder loading on this truss.
The overall height of this truss excluding overhang is 6'-8-2.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - H	2827 -371	G - F	3855 -395
H - G	2248 -257		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
H - D	1088 -194	D - G	3130 -231



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/02/2020

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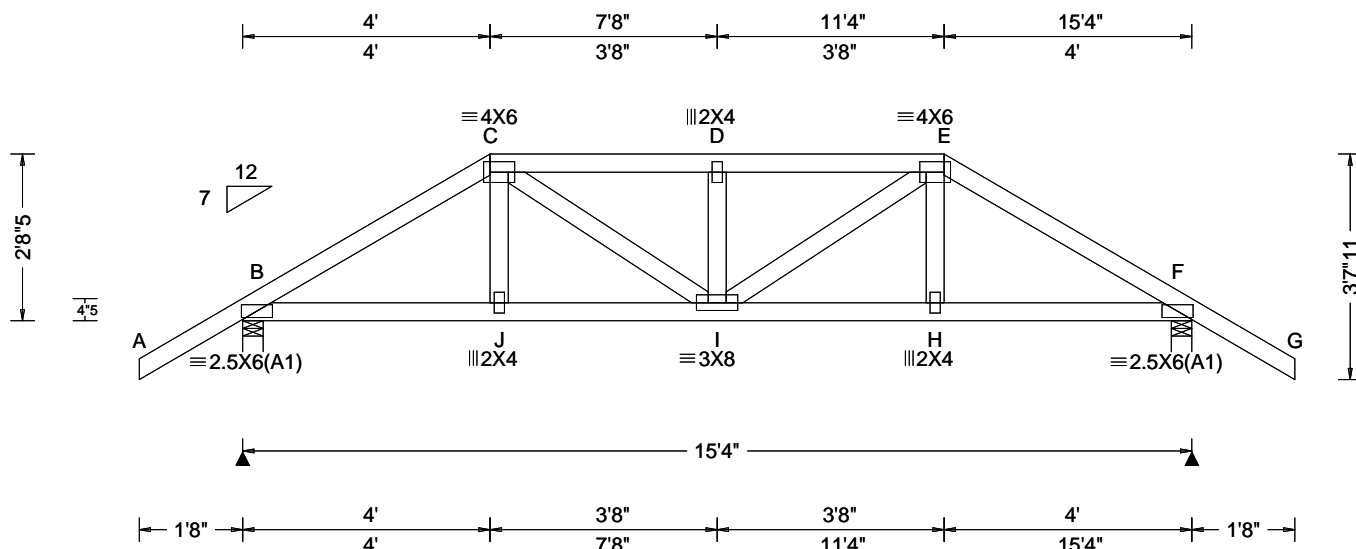
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 604636 FROM: CDM	HIPS Ply: 1 Qty: 1	Job Number: 20-4805 Sunset Lot 6 Truss Label: D01	Cust: R 215 JRef: 1X012150001 T11 DrwNo: 307.20.1512.36363 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.050 D 999 240 VERT(CL): 0.099 D 999 180 HORZ(LL): 0.018 H - - HORZ(TL): 0.037 H - - Creep Factor: 2.0 Max TC CSI: 0.340 Max BC CSI: 0.578 Max Web CSI: 0.188 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 1183 - / - / - /301 - / - F 1183 - / - / - /301 - / - 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 441 -1701 D - E 459 -1832 C - D 459 -1832 E - F 441 -1701

Lumber

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

Special Loads

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

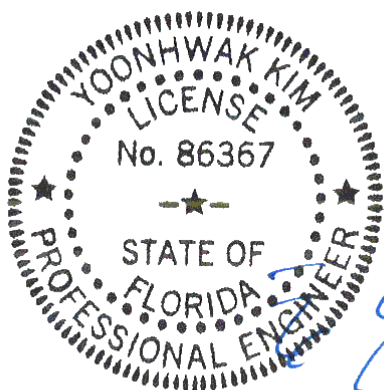
TC: From 63 plf at -1.67 to 63 plf at 4.00	TC: From 32 plf at 4.00 to 32 plf at 11.33
TC: From 63 plf at 11.33 to 63 plf at 17.00	BC: From 5 plf at -1.67 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 4.03	BC: From 10 plf at 4.03 to 10 plf at 11.30
BC: From 20 plf at 11.30 to 20 plf at 15.33	BC: From 5 plf at 15.33 to 5 plf at 17.00
TC: 172 lb Conc. Load at 4.03,11.30	TC: 95 lb Conc. Load at 6.06, 7.67, 9.27
BC: 166 lb Conc. Load at 4.03,11.30	BC: 69 lb Conc. Load at 6.06, 7.67, 9.27

Wind

Wind loads and reactions based on MWFRS.
Wind loading based on both gable and hip roof types.
Uplifts based on an elevation at or above 1000 ft.

Additional Notes

The overall height of this truss excluding overhang is 28'-5".



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/02/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - J	1404 -357	I - H	1417 -354
J - I	1417 -354	H - F	1404 -357

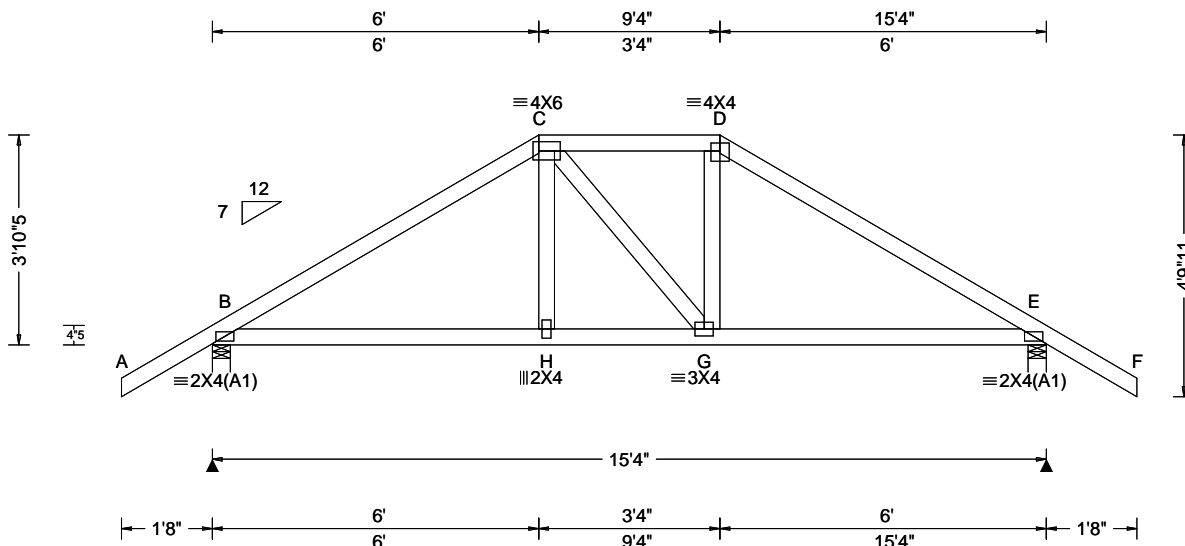
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - I	495 -125	I - E	495 -125

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

SEQN: 604551 FROM: CDM	HIPS Ply: 1 Qty: 1	Job Number: 20-4805 Sunset Lot 6 Truss Label: D02	Cust: R 215 JRef: 1X012150001 T9 DrwNo: 307.20.1512.38010 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.014 H 999 240 VERT(CL): 0.028 H 999 180 HORZ(LL): 0.007 G - - HORZ(TL): 0.014 G - - Creep Factor: 2.0 Max TC CSI: 0.354 Max BC CSI: 0.362 Max Web CSI: 0.069 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 750 -/- /- /461 /123 /134 E 750 -/- /- /461 /123 -/ 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 337 -831 D - E 337 -829 C - D 336 -645 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - H 638 -165 G - E 637 -172 H - G 642 -163

Lumber

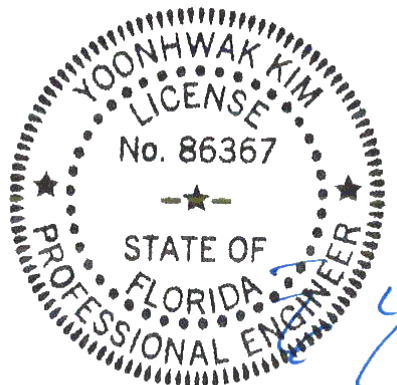
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.
Uplifts based on an elevation at or above 1000 ft.

Additional Notes

The overall height of this truss excluding overhang is 3'-10-5/8".



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/02/2020

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

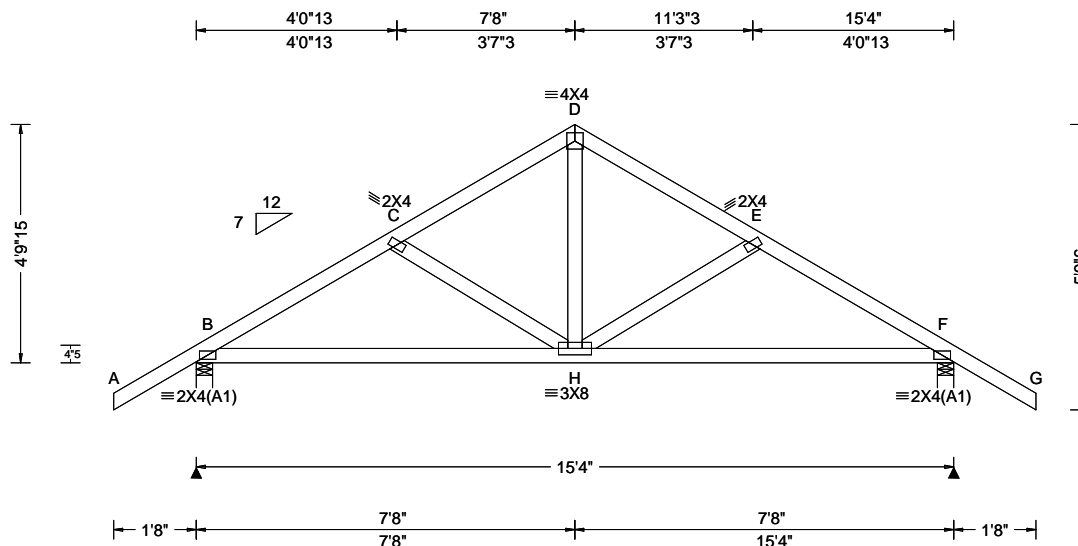
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 604655 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4805 Sunset Lot 6 Truss Label: D03	Cust: R 215 JRef: 1X012150001 T29 DrwNo: 307.20.1512.39587 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.018 H 999 240 VERT(CL): 0.037 H 999 180 HORZ(LL): 0.008 H - - HORZ(TL): 0.017 H - - Creep Factor: 2.0 Max TC CSI: 0.157 Max BC CSI: 0.583 Max Web CSI: 0.171 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 638 - / - / 365 / 94 / 110 F 638 - / - / 365 / 94 / - 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 235 -929 D - E 190 -705 C - D 190 -705 E - F 235 -929

Lumber

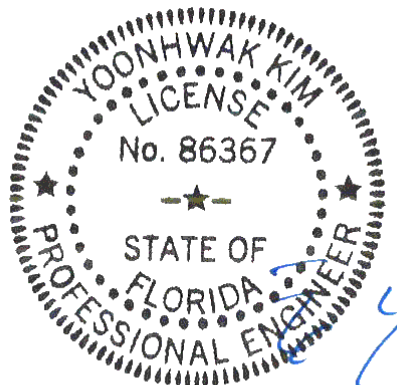
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.
Uplifts based on an elevation at or above 1000 ft.

Additional Notes

The overall height of this truss excluding overhang is 4'-9"-15".



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/02/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - H	760 -146	H - F	760 -146

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.
D - H	450 -81

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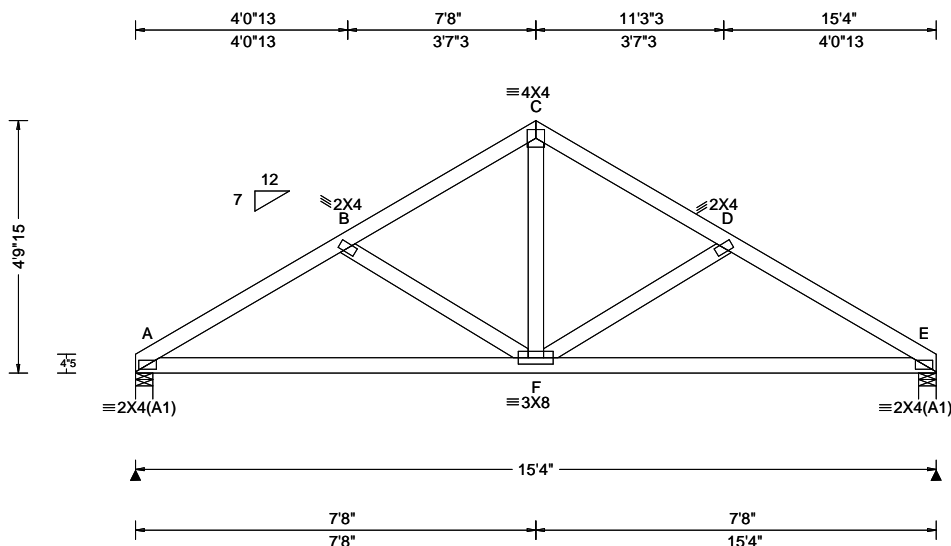
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 604553 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4805 Sunset Lot 6 Truss Label: D04	Cust: R 215 JRef: 1X012150001 T10 DrwNo: 307.20.1512.40960 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.018 F 999 240 VERT(CL): 0.037 F 999 180 HORZ(LL): 0.008 F - - HORZ(TL): 0.017 F - - Creep Factor: 2.0 Max TC CSI: 0.157 Max BC CSI: 0.583 Max Web CSI: 0.171 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A 638 - / - / 365 / 94 / 110 E 638 - / - / 365 / 94 / - Wind reactions based on MWFRS A Brg Width = 4.0 Min Req = 1.5 E Brg Width = 4.0 Min Req = 1.5 Bearings A & E are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 235 -929 C - D 190 -705 B - C 190 -705 D - E 235 -929

Lumber

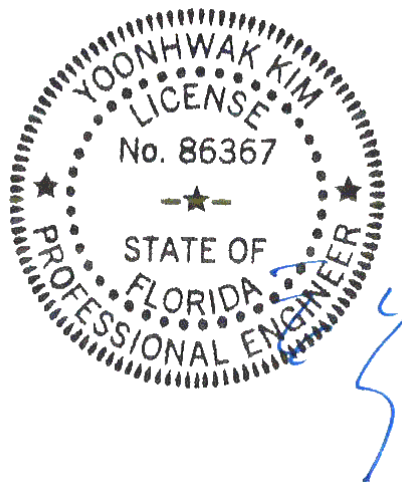
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.
Uplifts based on an elevation at or above 1000 ft.

Additional Notes

The overall height of this truss excluding overhang is 4-9-15.



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/02/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - F	760 -146	F - E	760 -146

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.
C - F	450 -81

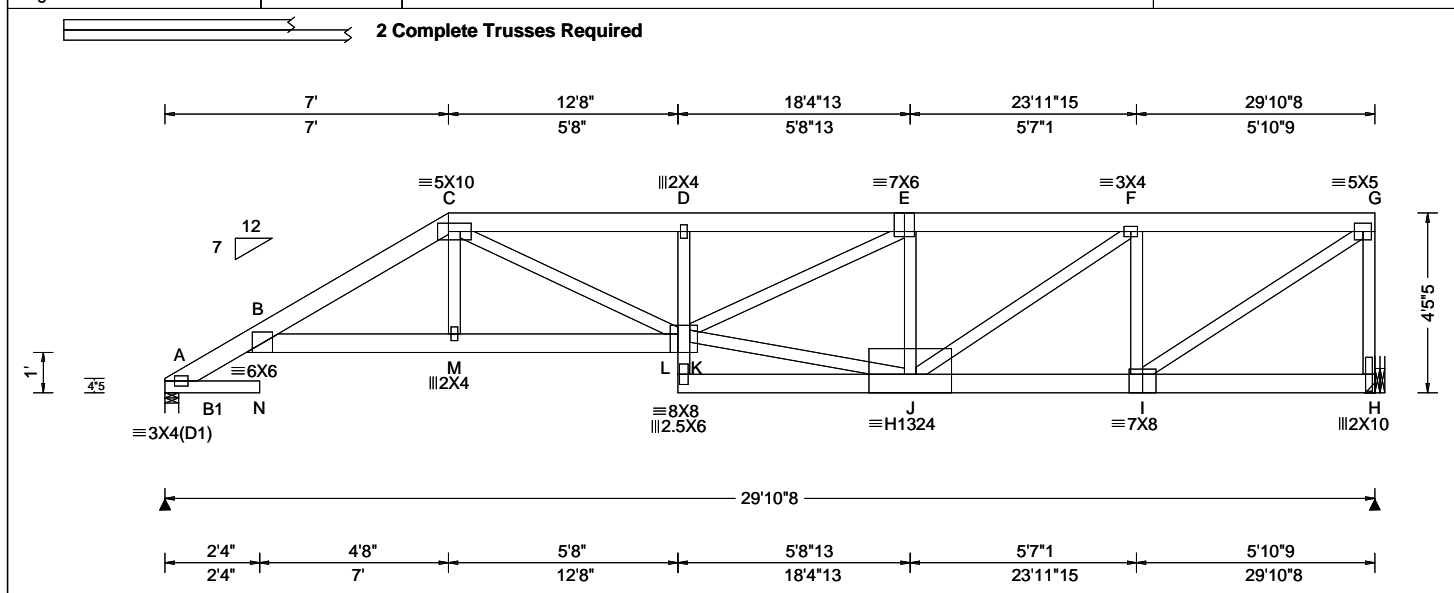
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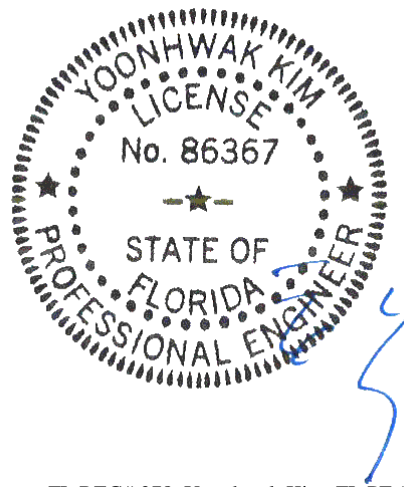
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/def L/# VERT(LL): 0.321 N 999 240 VERT(CL): 0.649 N 549 180 HORZ(LL): 0.203 H - - HORZ(TL): 0.411 H - - Creep Factor: 2.0 Max TC CSI: 0.992 Max BC CSI: 0.324 Max Web CSI: 0.978 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL A 2377 -/- /- /- /526 -/ H 2938 -/- /- /- /684 -/ Wind reactions based on MWFRS A Brg Width = 4.0 Min Req = 1.5 H Brg Width = - Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 134 -576 D - E 876 -3719 B - C 643 -2795 E - F 594 -2579 C - D 881 -3745 F - G 401 -1733

Lumber	Additional Notes	Maximum Bot Chord Forces Per Ply (lbs)
Top chord: 2x6 SP 2400f-2.0E; Bot chord: 2x6 SP 2400f-2.0E; B1 2x4 SP #2; Webs: 2x4 SP #3;	Wall girder loading on this truss. The overall height of this truss excluding overhang is 4-5-5.	Chords Tens.Comp. Chords Tens. Comp. B - M 2617 -598 J - I 1804 -425 M - K 2625 -596

Nailnote	Maximum Web Forces Per Ply (lbs)
Nail Schedule: 0.131"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.	Webs Tens.Comp. Webs Tens. Comp. C - K 1239 -316 J - F 961 -210 K - E 1235 -302 F - I 323 -974 K - J 2568 -592 I - G 2104 -487 E - J 301 -921 G - H 357 -1369

Special Loads
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 63 plf at 0.00 to 63 plf at 7.00 TC: From 32 plf at 7.00 to 32 plf at 29.88 BC: From 20 plf at 0.00 to 20 plf at 7.03 BC: From 10 plf at 7.03 to 10 plf at 29.88 TC: 203 lb Conc. Load at 7.06, 9.06, 11.06 TC: 188 lb Conc. Load at 13.06, 15.06, 17.06, 19.06 21.06, 23.06, 25.06, 27.06, 29.06 BC: 105 lb Conc. Load at 7.03, 9.06, 11.06 BC: 129 lb Conc. Load at 13.06, 15.06, 17.06, 19.06 21.06, 23.06, 25.06, 27.06, 29.06

Wind
Wind loads and reactions based on MWFRS. Right end vertical not exposed to wind pressure. Wind loading based on both gable and hip roof types. Uplifts based on an elevation at or above 1000 ft.



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/02/2020

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SEQN: 604674	HIPM	Ply: 2	Job Number: 20-4805	Cust: R 215 JRef: 1X012150001 T26
FROM: CDM		Qty: 1	Sunset Lot 6	DrwNo: 307.20.1512.45333
Page 2 of 2			Truss Label: G01	/ YK 11/02/2020

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.

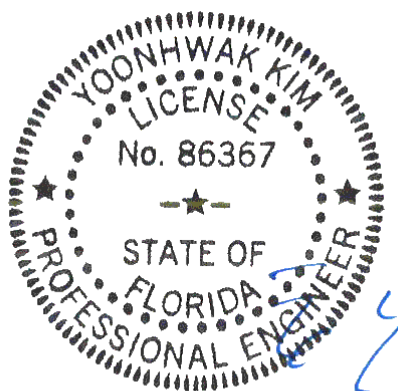
Bearing at location x=29'7"8 uses the following support conditions: 29'7"8

Bearing H (29'7"8, 9'1"2) HGUS28-2

Supporting Member: (2)2x8 SP 2400f-2.0E

(36) 0.148"x3" nails into supporting member,

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/02/2020

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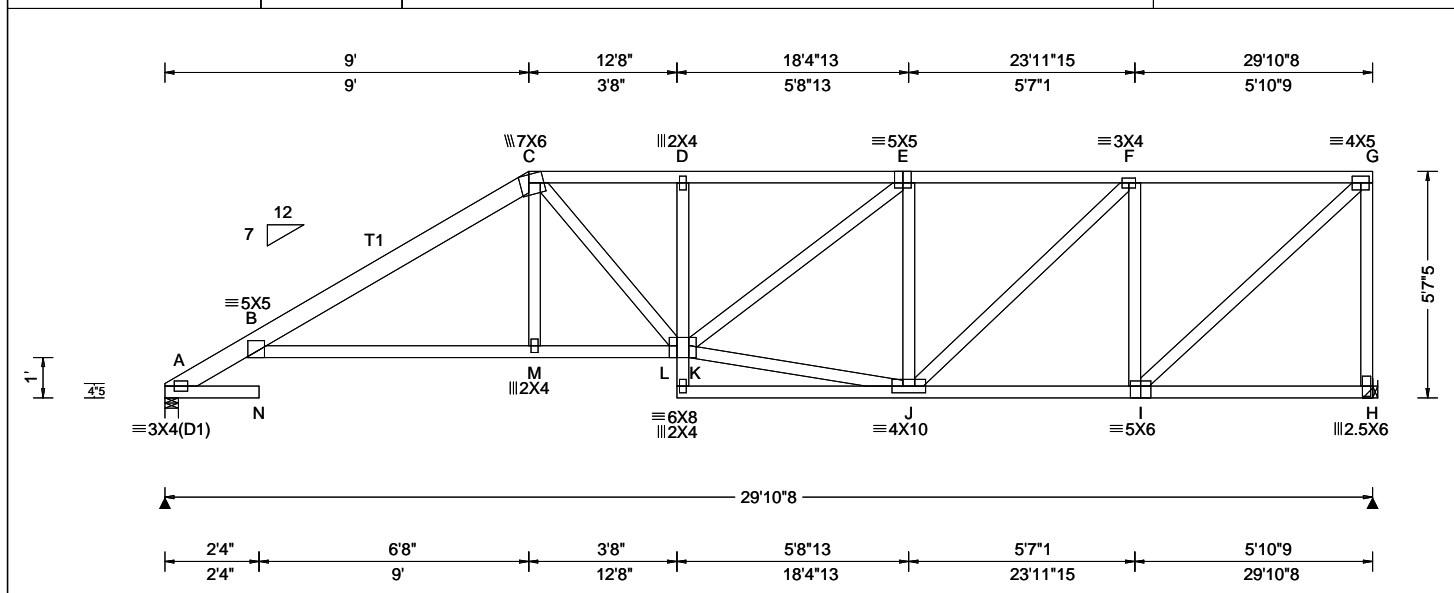
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 604587 FROM: CDM	HIPM Ply: 1 Qty: 1	Job Number: 20-4805 Sunset Lot 6 Truss Label: G02	Cust: R 215 JRef: 1X012150001 T17 DrwNo: 307.20.1512.47953 / YK 11/02/2020
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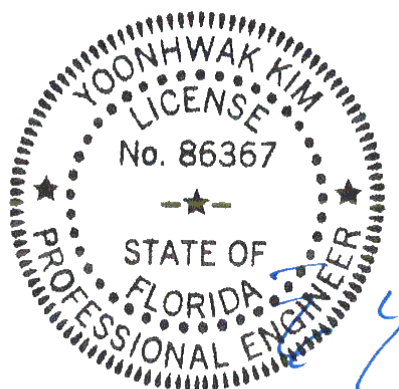
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCCL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.415 N 859 240 VERT(CL): 0.863 N 413 180 HORZ(LL): 0.250 I - - HORZ(TL): 0.519 I - - Creep Factor: 2.0 Max TC CSI: 0.850 Max BC CSI: 0.786 Max Web CSI: 0.865 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL A 1248 -/- /- /723 /180 /177 H 1236 -/- /- /635 /224 -/- Wind reactions based on MWFRS A Brg Width = 4.0 Min Req = 1.5 H Brg Width = - Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 81 -584 D - E 1062 -2155 B - C 879 -2141 E - F 824 -1673 C - D 1070 -2169 F - G 557 -1117

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

Hangers / Ties
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Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.
Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.
Bearing at location x=29'7"8 uses the following support conditions: 29'7"8
Bearing H (29'7"8, 9'1"2) HUS26
Supporting Member: (2)2x8 SP 2400f-2.0E
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.

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

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.
Uplifts based on an elevation at or above 1000 ft.

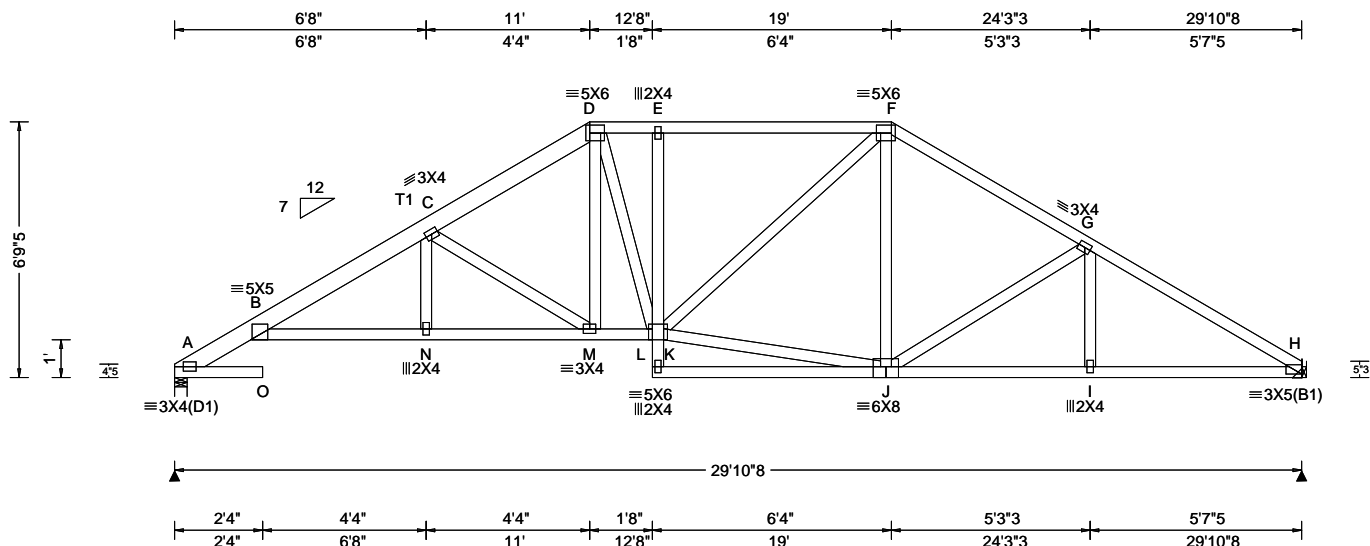


FL REG# 278, Yoonhwak Kim, FL PE #86367
11/02/2020

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

SEQN: 604584 FROM: CDM	HIPS Ply: 1 Qty: 1	Job Number: 20-4805 Sunset Lot 6 Truss Label: G03	Cust: R 215 JRef: 1X012150001 T7 DrwNo: 307.20.1512.49530 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.315 O 999 240 VERT(CL): 0.655 O 542 180 HORZ(LL): 0.199 I - - HORZ(TL): 0.413 I - - Creep Factor: 2.0 Max TC CSI: 0.812 Max BC CSI: 0.698 Max Web CSI: 0.530 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL A 1243 -/- /- /710 /190 /158 H 1241 -/- /- /708 /191 -/ Wind reactions based on MWFRS A Brg Width = 4.0 Min Req = 1.5 H Brg Width = - Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 189 -581 E - F 686 -1695 B - C 754 -2539 F - G 592 -1622 C - D 688 -1952 G - H 586 -2009 D - E 687 -1700

Lumber

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

Hangers / Ties

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

Bearing at location x=29'7"8 uses the following support conditions: 29'7"8

Bearing H (29'7"8, 9'1"2) HUS26

Supporting Member: (2)2x8 SP 2400f-2.0E

(14) 0.148"x3" nails into supporting

member,

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

Wind

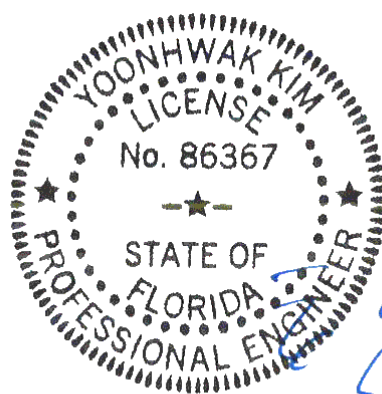
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

The overall height of this truss excluding overhang is 6-9-5.



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/02/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - N	2397 -629	J - I	1655 -434
N - M	2393 -628	I - H	1657 -432
M - K	1566 -385		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - M	295 -999	K - J	1313 -331
D - M	502 -102	K - F	476 -198
D - K	429 -272	J - G	135 -384

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

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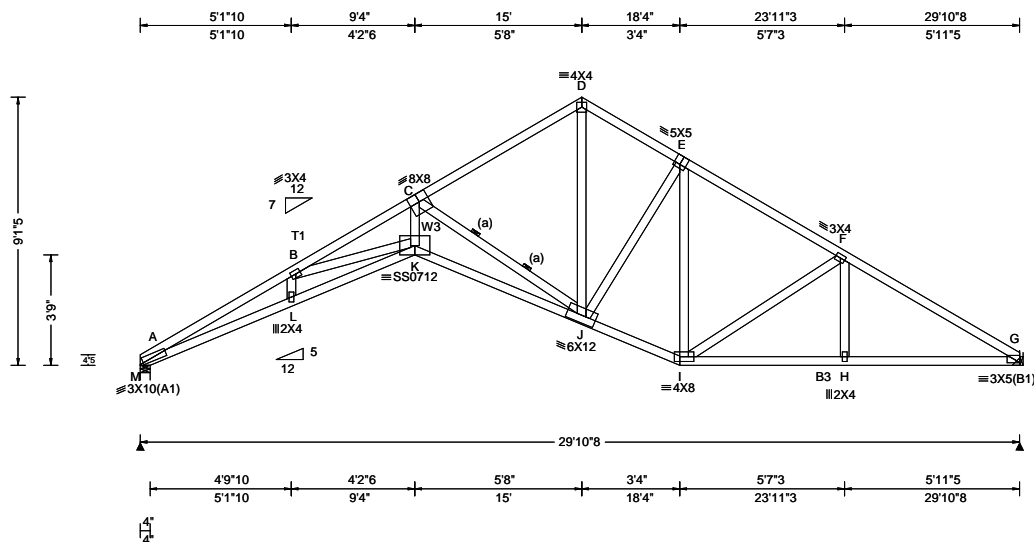
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 604576 FROM: CDM	SPEC Ply: 1 Qty: 4	Job Number: 20-4805 Sunset Lot 6 Truss Label: G05	Cust: R 215 JRef: 1X012150001 T24 DrwNo: 307.20.1512.53820 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 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: 3.00 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, 18SS	PP Deflection in loc L/def L/# VERT(LL): 0.455 K 780 240 VERT(CL): 0.958 K 370 180 HORZ(LL): 0.326 H - - HORZ(TL): 0.686 H - - Creep Factor: 2.0 Max TC CSI: 0.442 Max BC CSI: 0.702 Max Web CSI: 0.957 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL M 1264 - / - / 726 - / 217 G 1251 - / - / 719 - / - Wind reactions based on MWFRS M Brg Width = 4.0 Min Req = 1.5 G Brg Width = - Min Req = - Bearing M 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 795 - 5511 D - E 348 - 1527 B - C 697 - 5372 E - F 336 - 1595 C - D 333 - 1574 F - G 342 - 2025

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B3 2x4 SP #2;
Webs: 2x4 SP #3; W3 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

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

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

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

Bearing at location x=29'7"8 uses the following support conditions: 29'7"8

Bearing G (29'7"8, 9'1"2) HUS26

Supporting Member: (2)2x8 SP 2400f-2.0E

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

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

Wind

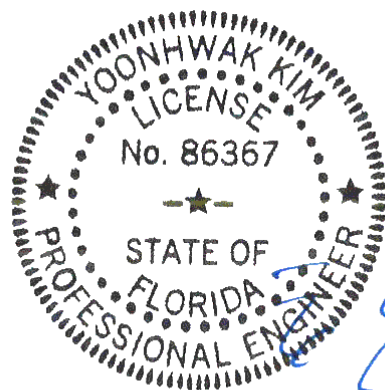
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

The overall height of this truss excluding overhang is 9'-1-5".



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/02/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chords Tens. Comp.

A - L 5012 - 669 J - I 1423 - 107
L - K 5080 - 676 I - H 1667 - 223
K - J 4835 - 483 H - G 1669 - 221

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. Webs Tens. Comp.

K - C 3923 - 361 J - D 1192 - 223
C - J 512 - 3937 I - F 155 - 442

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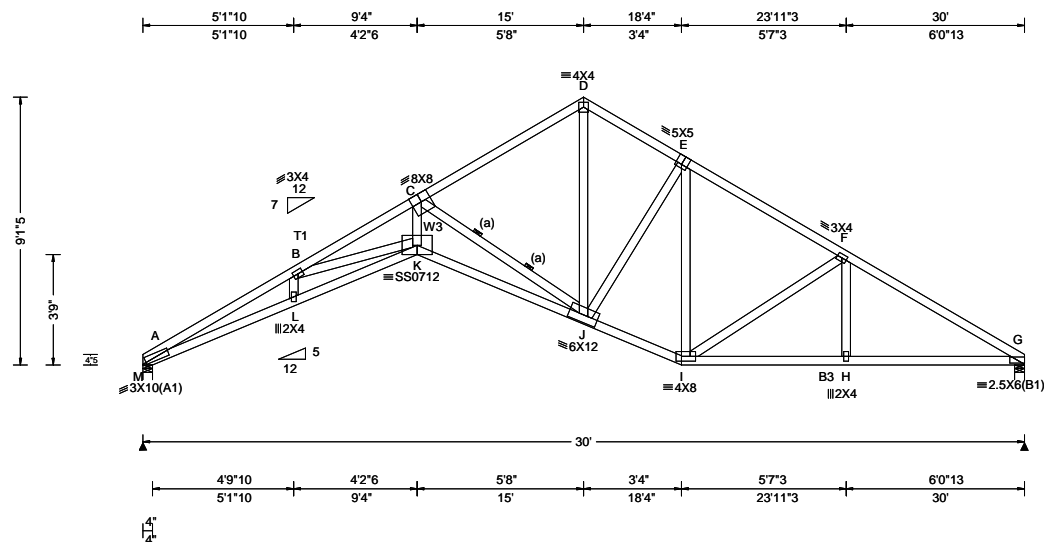
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6750 Forum Drive
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Orlando FL, 32821

SEQN: 604573 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4805 Sunset Lot 6 Truss Label: G06	Cust: R 215 JRef: 1X012150001 T36 DrwNo: 307.20.1512.55747 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 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: 3.00 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, 18SS	PP Deflection in loc L/defl L/# VERT(LL): 0.457 K 779 240 VERT(CL): 0.962 K 370 180 HORZ(LL): 0.328 H - - HORZ(TL): 0.690 H - - Creep Factor: 2.0 Max TC CSI: 0.444 Max BC CSI: 0.705 Max Web CSI: 0.960 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL M 1269 - / - / - / 729 - / 217 G 1257 - / - / - / 724 - / - Non-Gravity Wind reactions based on MWFRS M Brg Width = 4.0 Min Req = 1.5 G Brg Width = 4.0 Min Req = 1.5 Bearings M & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 794 - 5533 D - E 349 - 1536 B - C 695 - 5398 E - F 338 - 1608 C - D 334 - 1585 F - G 349 - 2064

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B3 2x4 SP #2;
Webs: 2x4 SP #3; W3 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

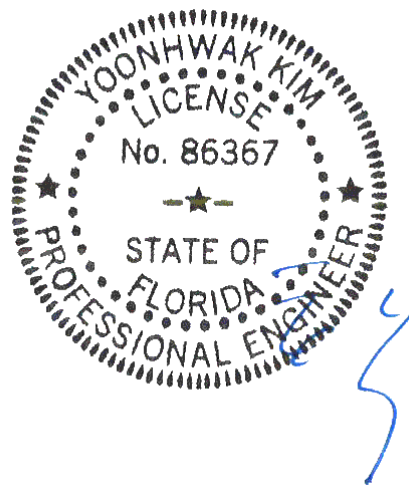
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

The overall height of this truss excluding overhang is 9'-1.5".



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/02/2020

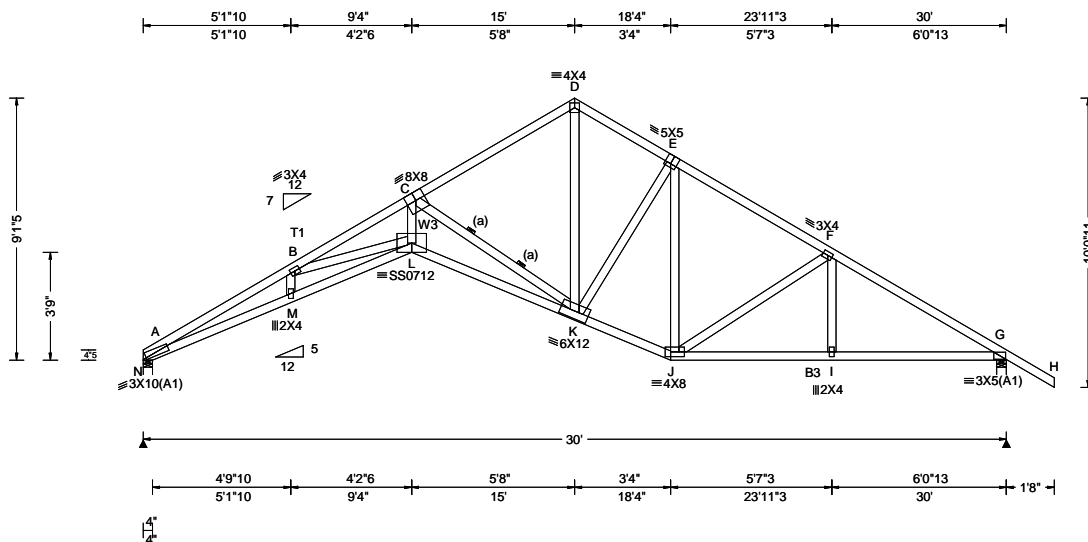
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Suite 305
Orlando FL, 32821

SEQN: 604570 FROM: CDM	COMN Ply: 1 Qty: 3	Job Number: 20-4805 Sunset Lot 6 Truss Label: G07	Cust: R 215 JRef: 1X012150001 T19 DrwNo: 307.20.1512.57360 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 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: 3.00 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, 18SS	PP Deflection in loc L/defl L/# VERT(LL): 0.461 L 773 240 VERT(CL): 0.960 L 371 180 HORZ(LL): 0.330 I - - HORZ(TL): 0.687 I - - Creep Factor: 2.0 Max TC CSI: 0.442 Max BC CSI: 0.702 Max Web CSI: 0.957 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL N 1265 - / - / /28 - / /247 G 1373 - / - / /817 /5 - / - Non-Gravity Wind reactions based on MWFRS N Brg Width = 4.0 Min Req = 1.5 G Brg Width = 4.0 Min Req = 1.6 Bearings N & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 717 - 5514 D - E 338 - 1528 B - C 601 - 5375 E - F 333 - 1596 C - D 323 - 1576 F - G 335 - 2032

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B3 2x4 SP #2;
Webs: 2x4 SP #3; W3 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

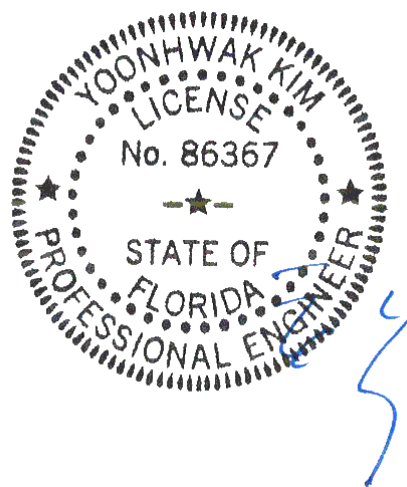
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

The overall height of this truss excluding overhang is 9'-1.5'.



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/02/2020

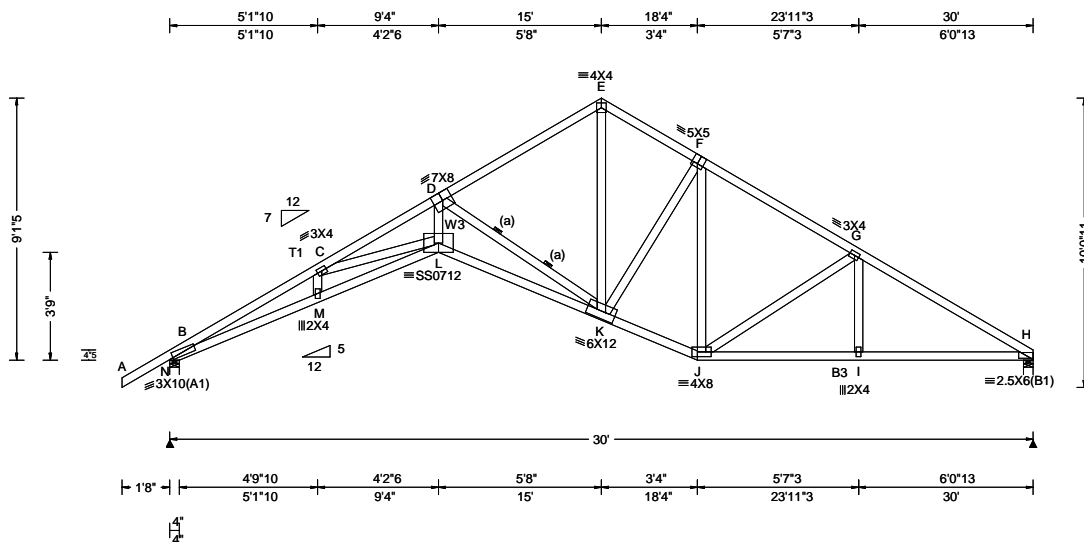
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AN ITW COMPANY
6750 Forum Drive
Suite 305
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SEQN: 604606 FROM: CDM	COMN Ply: 1 Qty: 5	Job Number: 20-4805 Sunset Lot 6 Truss Label: G08	Cust: R 215 JRef: 1X012150001 T18 DrwNo: 307.20.1512.59367 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 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: 3.00 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, 18SS	PP Deflection in loc L/defl L/# VERT(LL): 0.459 L 776 240 VERT(CL): 0.956 L 372 180 HORZ(LL): 0.329 I - - HORZ(TL): 0.685 I - - Creep Factor: 2.0 Max TC CSI: 0.477 Max BC CSI: 0.731 Max Web CSI: 0.951 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL N 1385 - / - / 822 / 2 / 247 H 1253 - / - / 724 - / - Wind reactions based on MWFRS N Brg Width = 4.0 Min Req = 1.5 H Brg Width = 4.0 Min Req = 1.5 Bearings N & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 740 - 5412 E - F 345 - 1528 C - D 673 - 5348 F - G 335 - 1601 D - E 330 - 1576 G - H 346 - 2057

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B3 2x4 SP #2;
Webs: 2x4 SP #3; W3 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

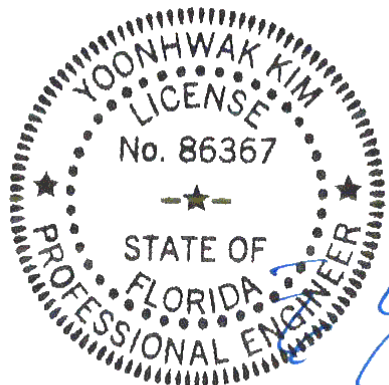
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

The overall height of this truss excluding overhang is 9'-1.5\"/>

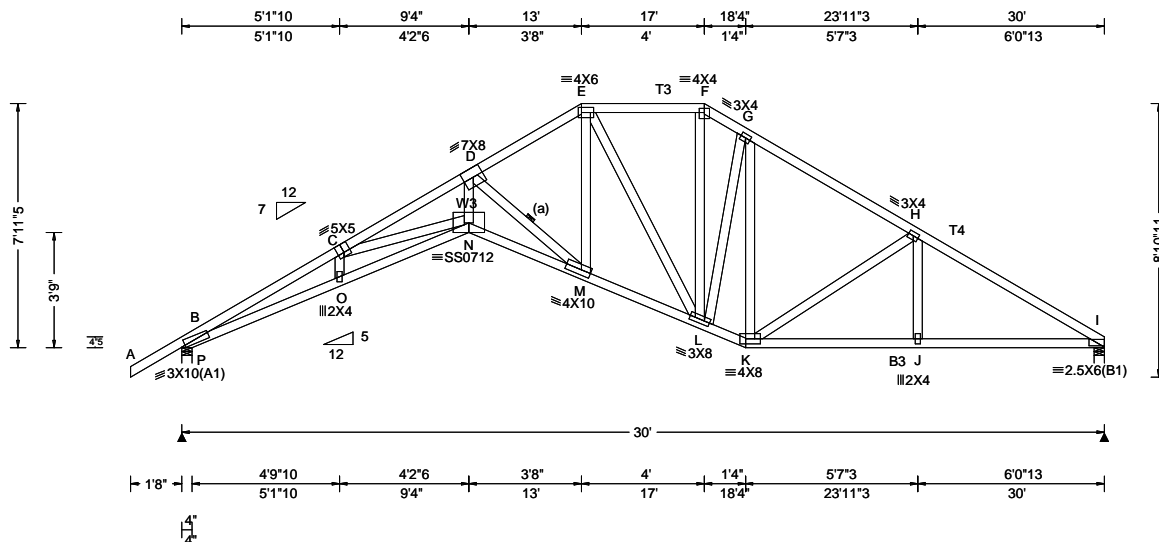


FL REG# 278, Yoonhwak Kim, FL PE #86367
11/02/2020

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6750 Forum Drive
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SEQN: 604609 FROM: CDM	HIPS Ply: 1 Qty: 1	Job Number: 20-4805 Sunset Lot 6 Truss Label: G09	Cust: R 215 JRef: 1X012150001 T25 DrwNo: 307.20.1513.01543 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 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, 18SS	PP Deflection in loc L/defl L/# VERT(LL): 0.419 N 851 240 VERT(CL): 0.872 N 408 180 HORZ(LL): 0.302 J - - HORZ(TL): 0.629 J - - Creep Factor: 2.0 Max TC CSI: 0.475 Max BC CSI: 0.740 Max Web CSI: 0.950 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL P 1385 -/- /- /823 /210 /218 I 1253 -/- /- /725 /184 -/ Wind reactions based on MWFRS P Brg Width = 4.0 Min Req = 1.5 I Brg Width = 4.0 Min Req = 1.5 Bearings P & 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 1068 -5428 F - G 507 -1542 C - D 1045 -5315 G - H 459 -1603 D - E 546 -2038 H - I 466 -2055 E - F 447 -1312

Lumber

Top chord: 2x4 SP M-31; T3,T4 2x4 SP #2;
Bot chord: 2x4 SP M-31; B3 2x4 SP #2;
Webs: 2x4 SP #3; W3 2x4 SP #2;

Bracing

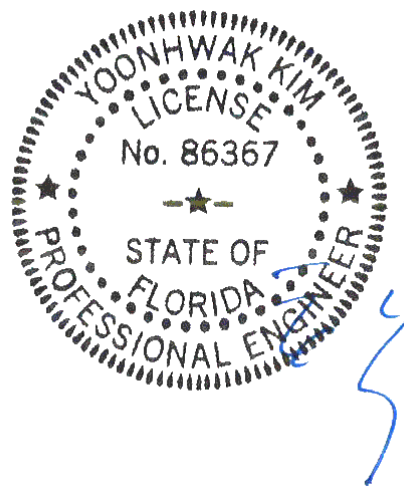
(a) Continuous lateral restraint equally spaced on member.

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.
Uplifts based on an elevation at or above 1000 ft.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/02/2020

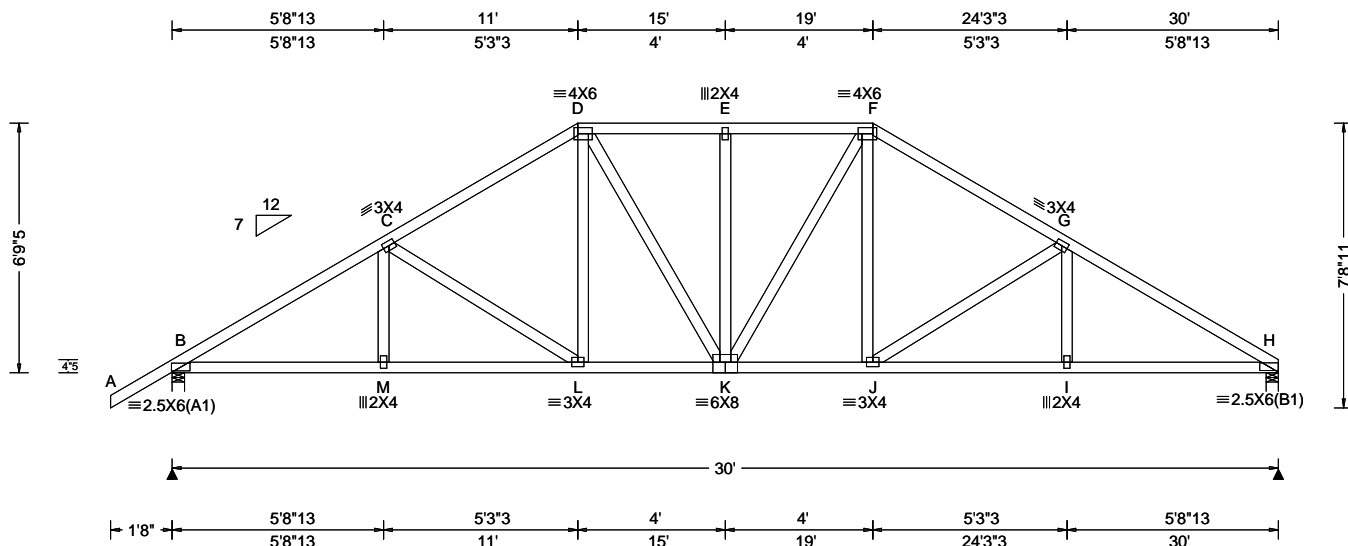
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 604612 FROM: CDM	HIPS Ply: 1 Qty: 1	Job Number: 20-4805 Sunset Lot 6 Truss Label: G10	Cust: R 215 JRef: 1X012150001 T16 DrwNo: 307.20.1513.04357 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.079 E 999 240 VERT(CL): 0.162 E 999 180 HORZ(LL): 0.037 I - - HORZ(TL): 0.076 I - - Creep Factor: 2.0 Max TC CSI: 0.374 Max BC CSI: 0.556 Max Web CSI: 0.338 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 1364 - / - / /806 /220 /189 H 1244 - / - / /712 /191 - / - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.6 H Brg Width = 4.0 Min Req = 1.5 Bearings B & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 584 -2020 E - F 607 -1419 C - D 591 -1623 F - G 593 -1629 D - E 607 -1419 G - H 596 -2047

Lumber

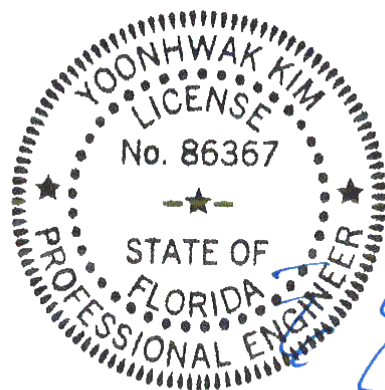
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.
Uplifts based on an elevation at or above 1000 ft.

Additional Notes

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

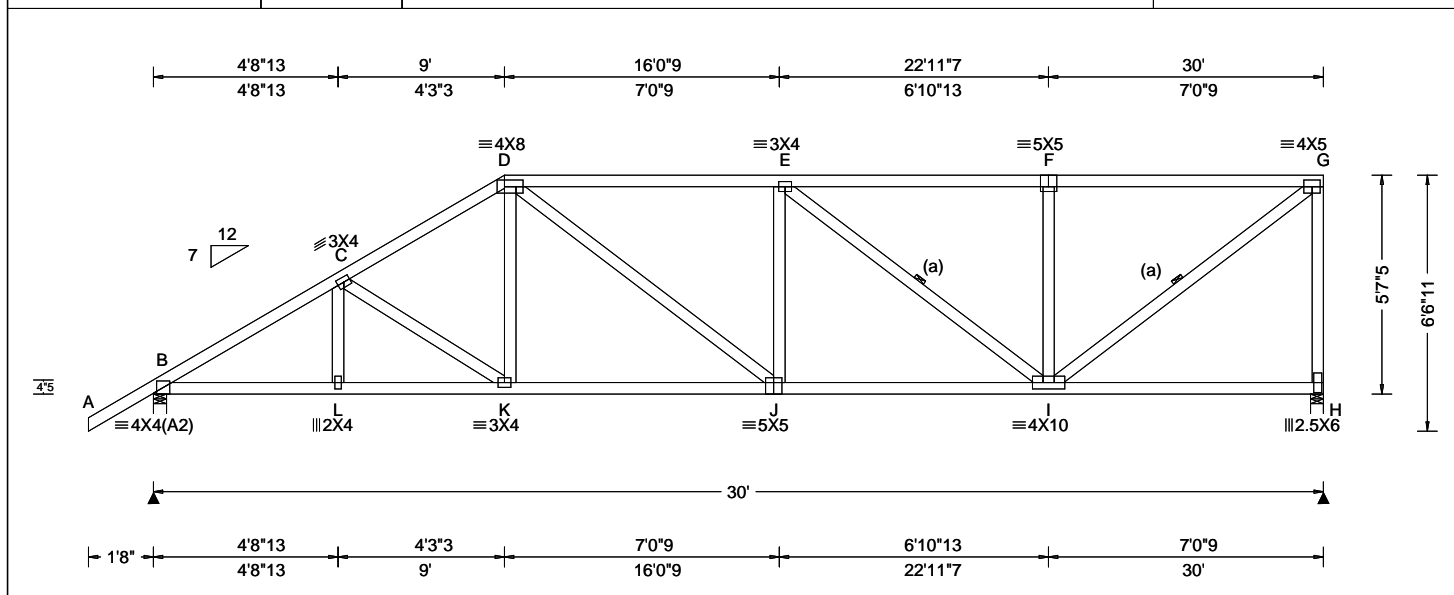


FL REG# 278, Yoonhwak Kim, FL PE #86367
11/02/2020

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

SEQN: 604615 FROM: CDM	HIPM Ply: 1 Qty: 1	Job Number: 20-4805 Sunset Lot 6 Truss Label: G11	Cust: R 215 JRef: 1X012150001 T8 DrwNo: 307.20.1513.05973 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.088 E 999 240 VERT(CL): 0.181 E 999 180 HORZ(LL): 0.030 I - - HORZ(TL): 0.061 I - - Creep Factor: 2.0 Max TC CSI: 0.755 Max BC CSI: 0.801 Max Web CSI: 0.659 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL B 1370 - / - / - / 819 / 211 / 205 H 1238 - / - / - / 634 / 224 / - Non-Gravity Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.6 H Brg Width = 4.0 Min Req = 1.5 Bearings B & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 707 -2038 E - F 657 -1325 C - D 748 -1776 F - G 657 -1325 D - E 871 -1777

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

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

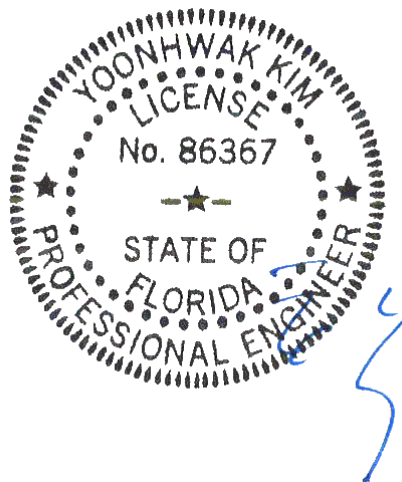
Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

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

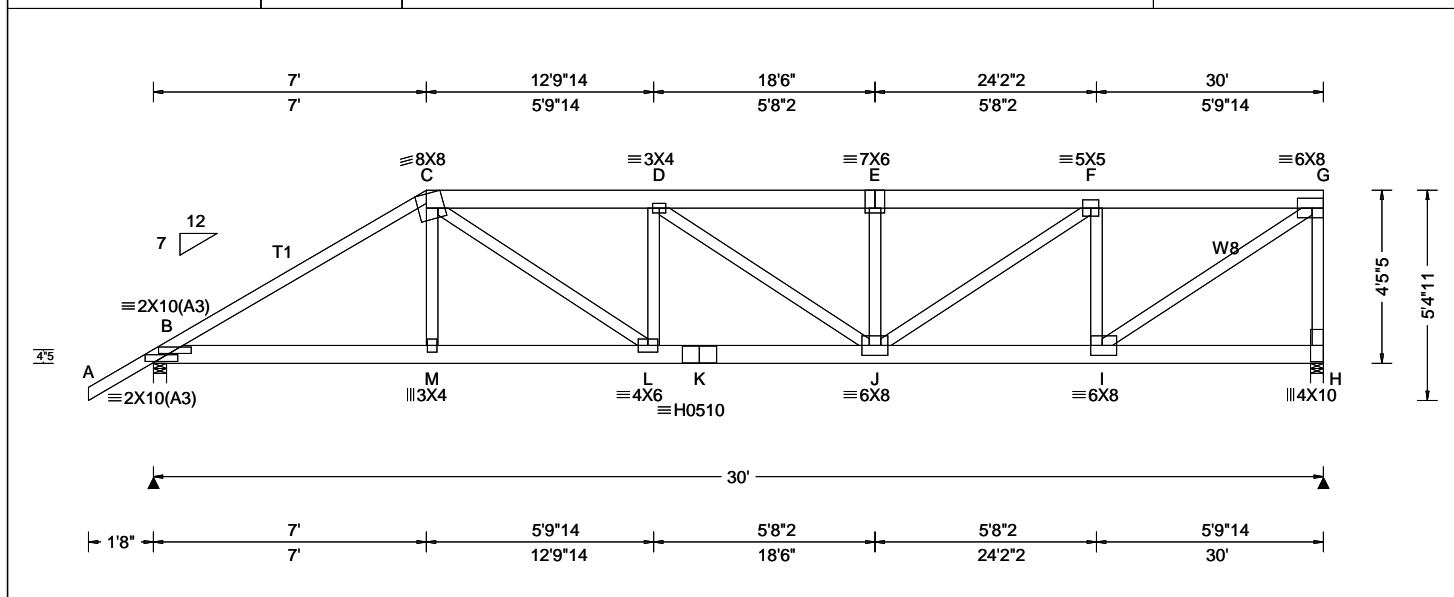


FL REG# 278, Yoonhwak Kim, FL PE #86367
11/02/2020

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

SEQN: 604649 FROM: CDM	HIPM Ply: 1 Qty: 1	Job Number: 20-4805 Sunset Lot 6 Truss Label: G12	Cust: R 215 JRef: 1X012150001 T2 DrwNo: 307.20.1513.08627 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/def L/# VERT(LL): 0.172 D 999 240 VERT(CL): 0.347 D 999 180 HORZ(LL): 0.042 C - - HORZ(TL): 0.084 C - - Creep Factor: 2.0 Max TC CSI: 0.367 Max BC CSI: 0.390 Max Web CSI: 0.983 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL B 2770 -/- /- /- /600 -/ H 3009 -/- /- /- /690 -/ Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 2.3 H Brg Width = 4.0 Min Req = 2.5 Bearings B & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 1043 -4789 E - F 1222 -5414 C - D 1246 -5584 F - G 811 -3575 D - E 1222 -5414

Lumber

Top chord: 2x6 SP 2400f-2.0E; T1 2x4 SP M-31;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W8 2x4 SP #2;

Special Loads

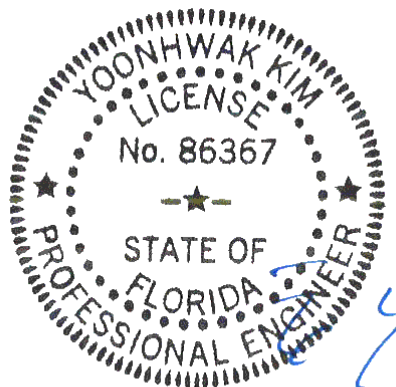
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at -1.67 to 63 plf at 7.00
TC: From 32 plf at 7.00 to 32 plf at 30.00
BC: From 5 plf at -1.67 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 7.03
BC: From 10 plf at 7.03 to 10 plf at 30.00
TC: 162 lb Conc. Load at 7.03
TC: 188 lb Conc. Load at 7.06, 9.06, 11.06, 13.06
15.06, 17.06, 19.06, 21.06, 23.06, 25.06, 27.06, 29.06
BC: 285 lb Conc. Load at 7.03
BC: 129 lb Conc. Load at 9.06, 11.06, 13.06, 15.06
17.06, 19.06, 21.06, 23.06, 25.06, 27.06, 29.06

Wind

Wind loads and reactions based on MWFRS.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.
Uplifts based on an elevation at or above 1000 ft.

Additional Notes

Wall girder loading on this truss.
The overall height of this truss excluding overhang is 4'-5-5.

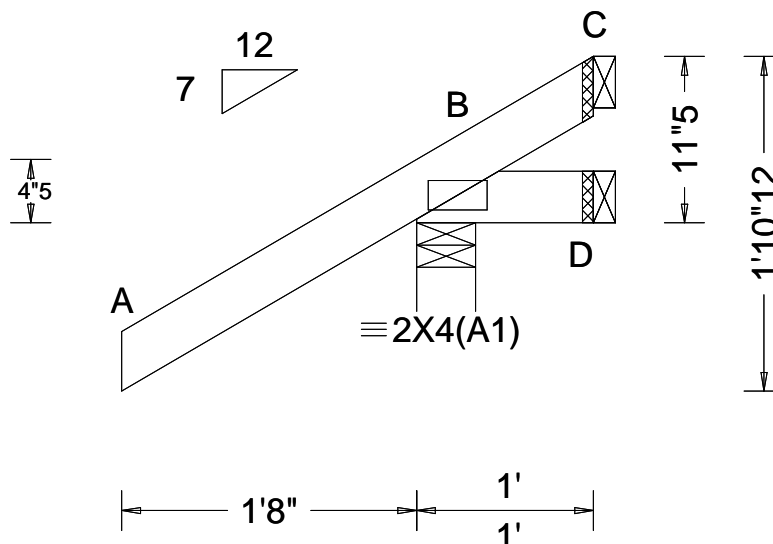


FL REG# 278, Yoonhwak Kim, FL PE #86367
11/02/2020

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

SEQN: 604536 FROM: CDM	JACK Ply: 1 Qty: 8	Job Number: 20-4805 Sunset Lot 6 Truss Label: J01	Cust: R 215 JRef: 1X012150001 T13 DrwNo: 307.20.1513.10310 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 D - - HORZ(TL): 0.001 D - - Creep Factor: 2.0 Max TC CSI: 0.332 Max BC CSI: 0.047 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 291 /- /- /233 /71 /45 D 2 /-23 /- /17 /20 /- C - /-72 /- /40 /69 /- 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

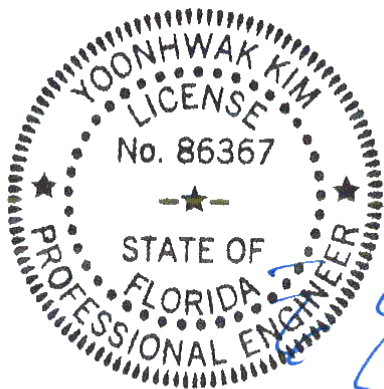
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.
Uplifts based on an elevation at or above 1000 ft.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/02/2020

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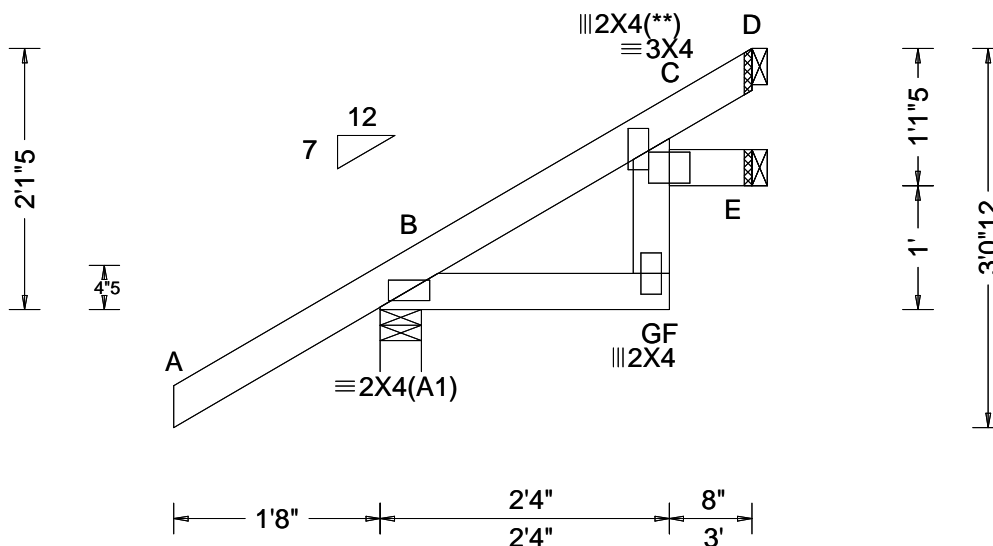
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ALPINE
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 604540 FROM: CDM	JACK Ply: 1 Qty: 2	Job Number: 20-4805 Sunset Lot 6 Truss Label: J02	Cust: R 215 JRef: 1X012150001 T22 DrwNo: 307.20.1513.12177 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 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): 0.002 F 999 240 VERT(CL): 0.005 F 999 180 HORZ(LL): 0.001 C - - HORZ(TL): 0.003 C - - Creep Factor: 2.0 Max TC CSI: 0.256 Max BC CSI: 0.046 Max Web CSI: 0.033 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 283 - / - / - /205 /38 /85 E 20 - / - / - /15 /- /- D 67 - / - / - /54 /25 /- 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

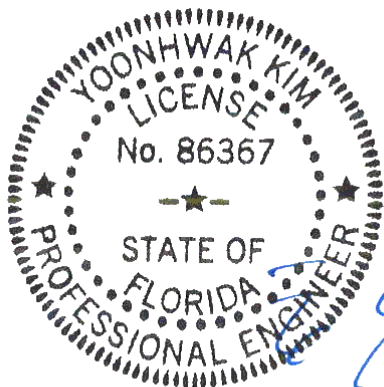
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

The overall height of this truss excluding overhang is 2'-1 5/8\"/>



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/02/2020

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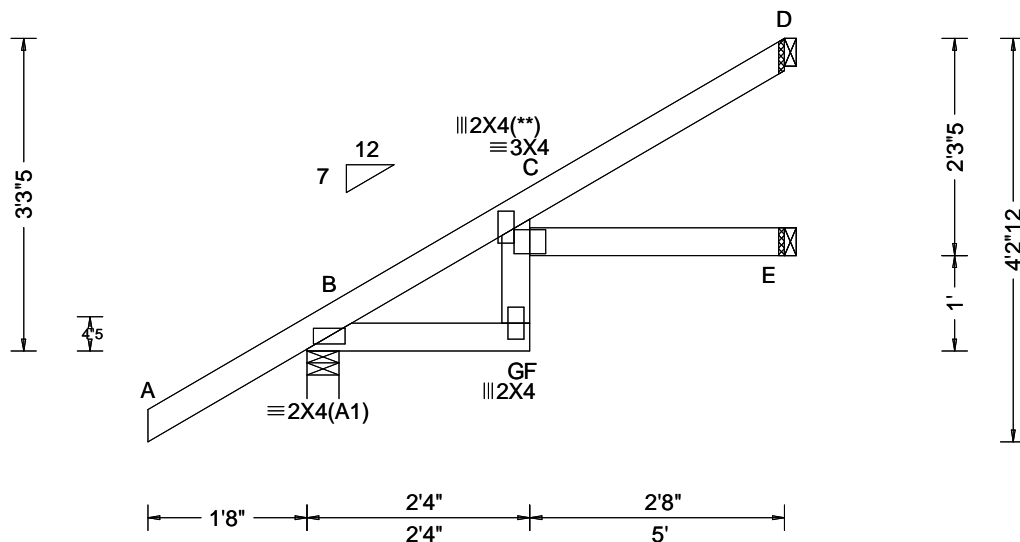
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 604542 FROM: CDM	JACK Ply: 1 Qty: 2	Job Number: 20-4805 Sunset Lot 6 Truss Label: J03	Cust: R 215 JRef: 1X012150001 T21 DrwNo: 307.20.1513.13537 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.046 F 999 240 VERT(CL): 0.092 F 633 180 HORZ(LL): 0.029 C - - HORZ(TL): 0.057 C - - Creep Factor: 2.0 Max TC CSI: 0.397 Max BC CSI: 0.121 Max Web CSI: 0.156 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 350 /- /- /242 /34 /125 E 63 /- /- /36 /- /- D 140 /- /- /92 /62 /- 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

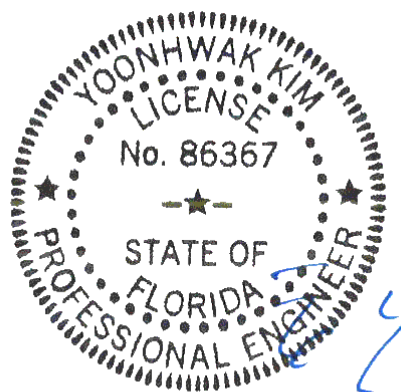
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/02/2020

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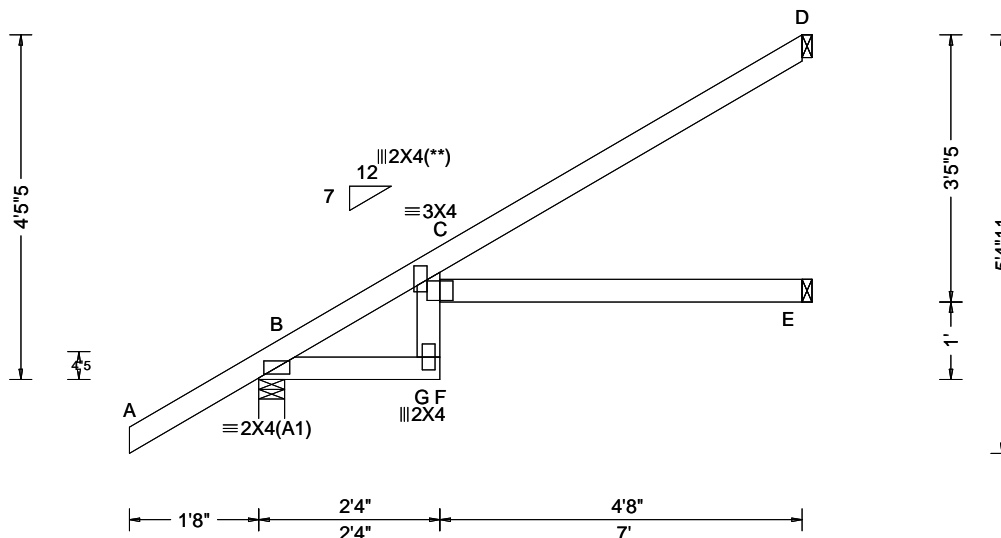
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

SEQN: 604545 FROM: CDM	EJAC Ply: 1 Qty: 3	Job Number: 20-4805 Sunset Lot 6 Truss Label: J04	Cust: R 215 JRef: 1X012150001 T40 DrwNo: 307.20.1513.14877 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.169 F 487 240 VERT(CL): 0.338 F 243 180 HORZ(LL): 0.105 C - - HORZ(TL): 0.210 C - - Creep Factor: 2.0 Max TC CSI: 0.903 Max BC CSI: 0.341 Max Web CSI: 0.372 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 426 - / - /288 /33 /165 E 105 - / - /59 - / - D 203 - / - /134 /95 - 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

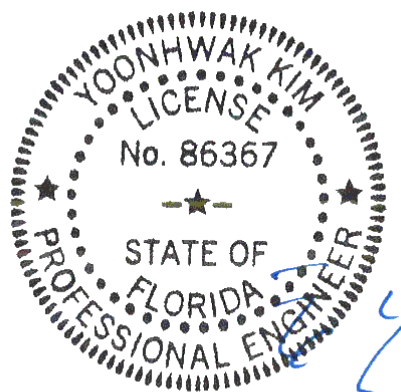
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/02/2020

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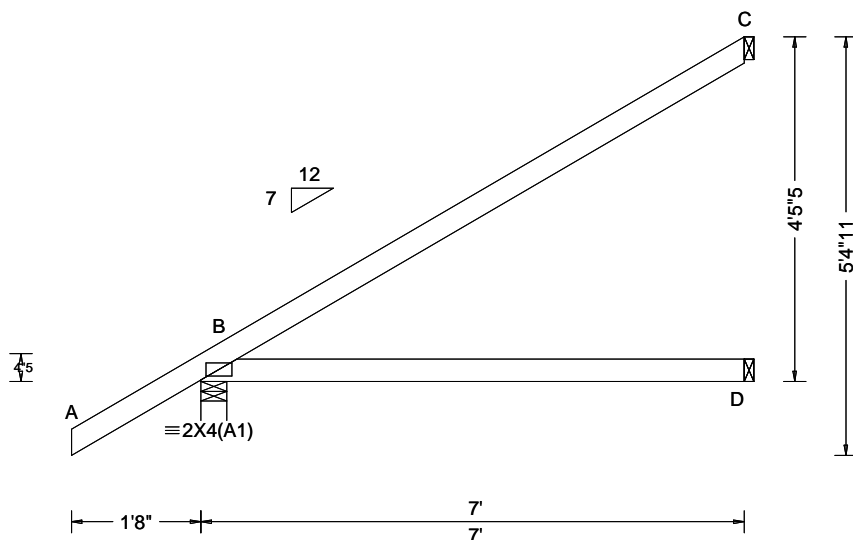
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

SEQN: 604547 FROM: CDM	EJAC Ply: 1 Qty: 21	Job Number: 20-4805 Sunset Lot 6 Truss Label: J05	Cust: R 215 JRRef: 1X012150001 T28 DrwNo: 307.20.1513.19307 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.013 D - - HORZ(TL): 0.026 D - - Creep Factor: 2.0 Max TC CSI: 0.718 Max BC CSI: 0.515 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 426 - / - / - /288 /33 /165 D 129 - / - / - /72 - / - C 188 - / - / - /121 /97 - 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

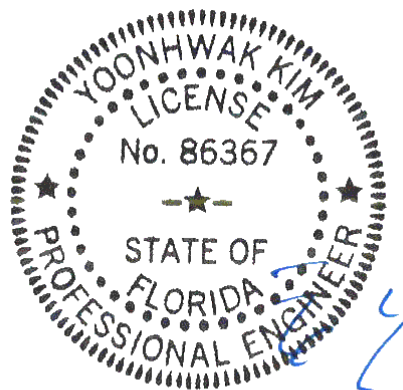
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.
Uplifts based on an elevation at or above 1000 ft.

Additional Notes

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



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11/02/2020

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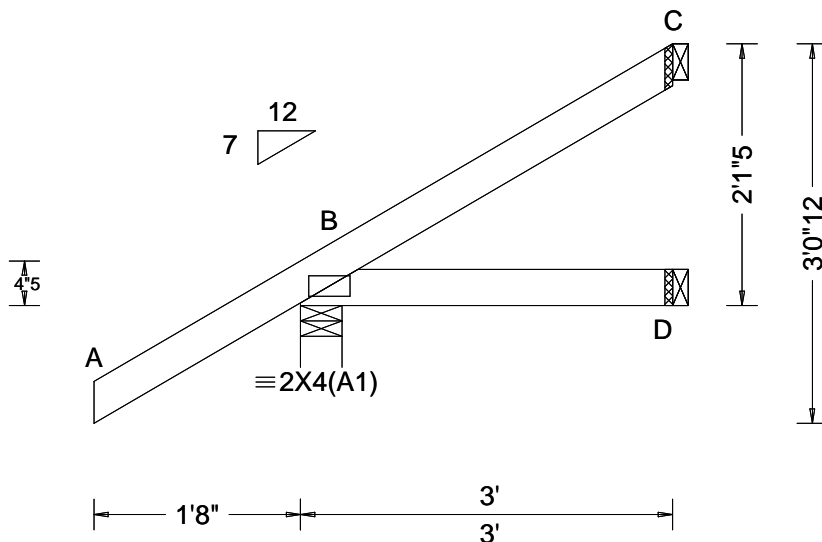
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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ALPINE
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 604538 FROM: CDM	JACK Ply: 1 Qty: 6	Job Number: 20-4805 Sunset Lot 6 Truss Label: J06	Cust: R 215 JRef: 1X012150001 T12 DrwNo: 307.20.1513.21477 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 D - - HORZ(TL): 0.001 D - - Creep Factor: 2.0 Max TC CSI: 0.278 Max BC CSI: 0.070 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 283 - / - /205 /38 /85 D 49 - / - /32 - / - C 59 - / - /37 /35 - 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

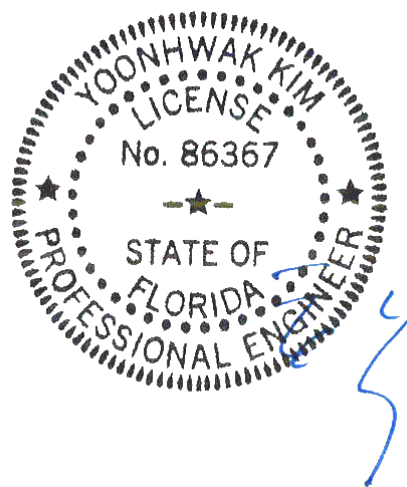
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.
Uplifts based on an elevation at or above 1000 ft.

Additional Notes

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



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11/02/2020

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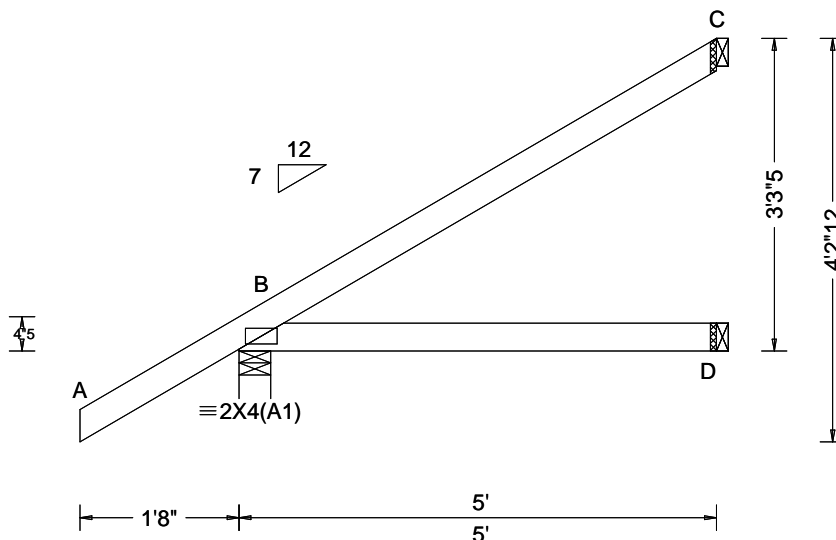
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 604564 FROM: CDM	JACK Ply: 1 Qty: 2	Job Number: 20-4805 Sunset Lot 6 Truss Label: J07	Cust: R 215 JRef: 1X012150001 T27 DrwNo: 307.20.1513.22710 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.003 D - - HORZ(TL): 0.007 D - - Creep Factor: 2.0 Max TC CSI: 0.308 Max BC CSI: 0.247 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 350 - / - /242 /34 /125 D 89 - / - /52 - / - C 127 - / - /80 /67 - 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

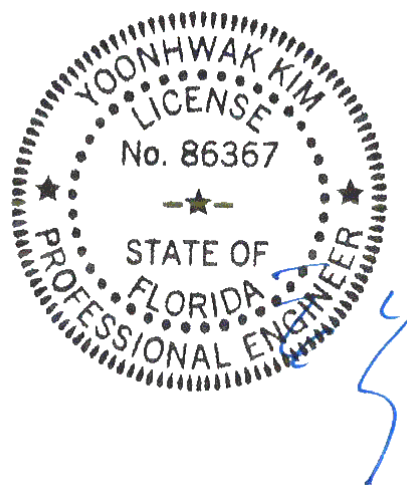
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.
Uplifts based on an elevation at or above 1000 ft.

Additional Notes

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



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11/02/2020

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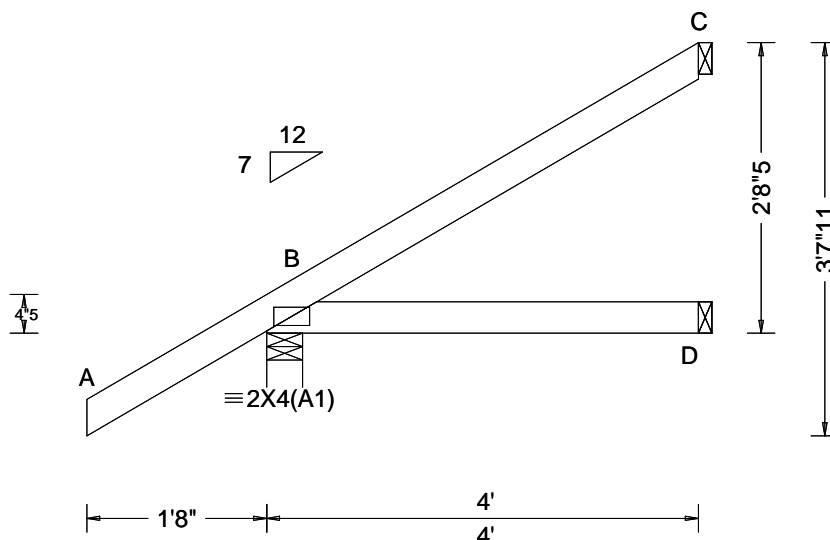
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 604549 FROM: CDM	EJAC Ply: 1 Qty: 5	Job Number: 20-4805 Sunset Lot 6 Truss Label: J08	Cust: R 215 JRef: 1X012150001 T14 DrwNo: 307.20.1513.23817 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 D - - HORZ(TL): 0.003 D - - Creep Factor: 2.0 Max TC CSI: 0.278 Max BC CSI: 0.148 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 314 - / - /221 /35 /105 D 69 - / - /42 - / - C 95 - / - /58 /52 - 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

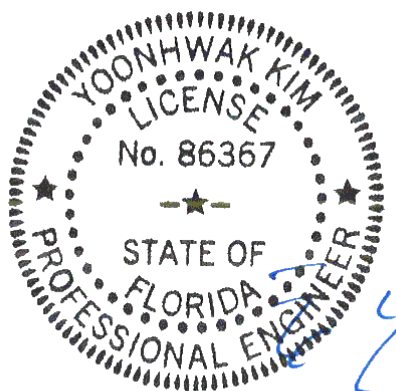
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.
Uplifts based on an elevation at or above 1000 ft.

Additional Notes

The overall height of this truss excluding overhang is 2-8-5.



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11/02/2020

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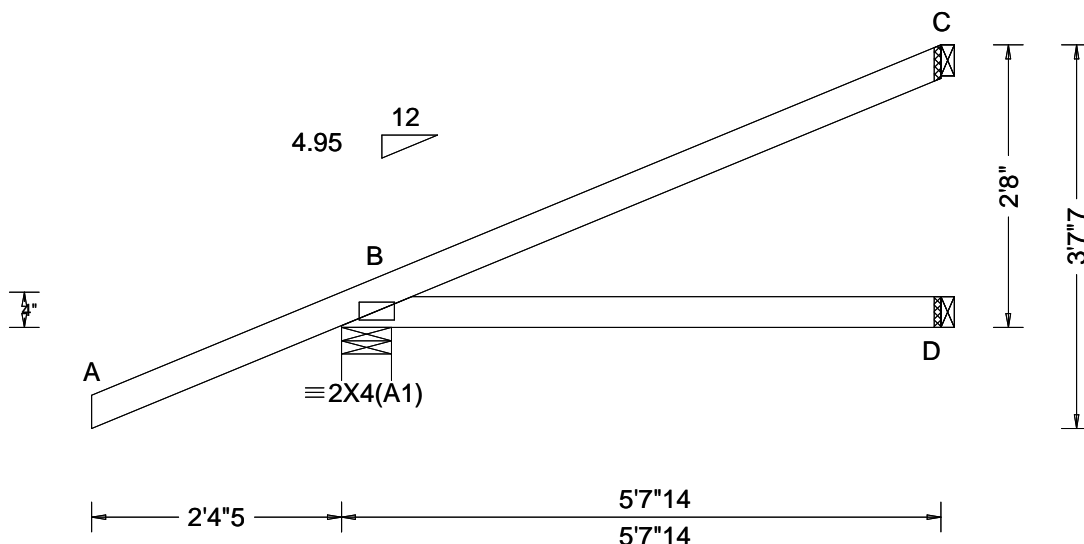
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

SEQN: 604634 FROM: CDM	HIP_ Ply: 1 Qty: 2	Job Number: 20-4805 Sunset Lot 6 Truss Label: JH01	Cust: R 215 JRef: 1X012150001 T15 DrwNo: 307.20.1513.25203 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.009 D - - HORZ(TL): 0.009 D - - Creep Factor: 2.0 Max TC CSI: 0.300 Max BC CSI: 0.293 Max Web CSI: 0.000 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 255 /- /- /- /177 /- D 97 /- /- /- /13 /- C 77 /- /- /- /67 /- 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;

Special Loads

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

TC: From -0 plf at -2.36 to 62 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 5.66
BC: From 0 plf at -2.36 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 5.66
TC: -58 lb Conc. Load at 1.48
TC: 118 lb Conc. Load at 4.31
BC: 4 lb Conc. Load at 1.48
BC: 97 lb Conc. Load at 4.31

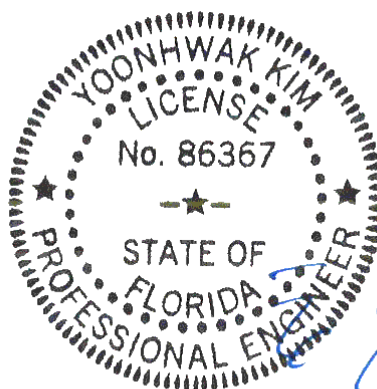
Wind

Wind loads and reactions based on MWFRS.
Wind loading based on both gable and hip roof types.
Uplifts based on an elevation at or above 1000 ft.

Additional Notes

The overall height of this truss excluding overhang is 2-8-0.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/02/2020

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

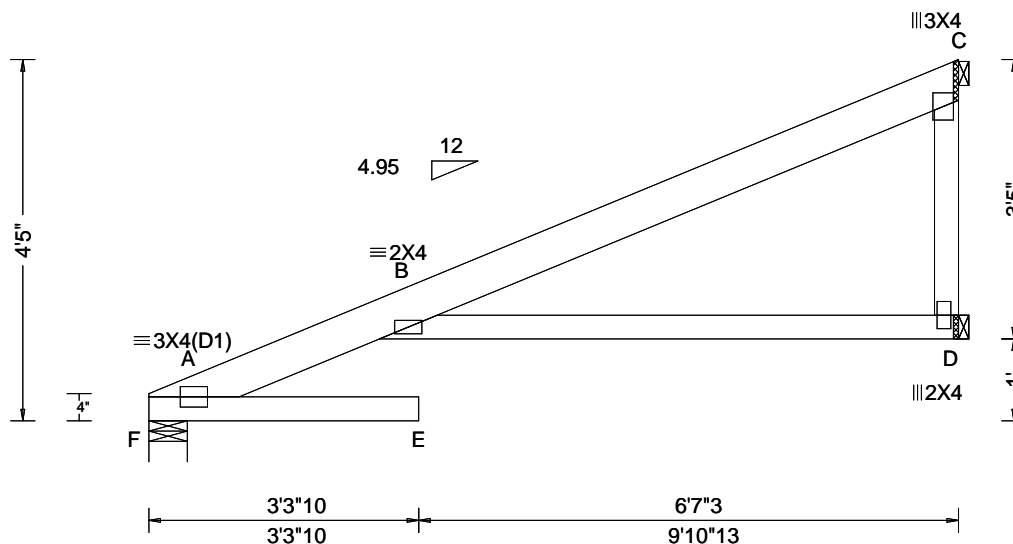
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

SEQN: 604672 FROM: CDM	HIP_	Ply: 1 Qty: 1	Job Number: 20-4805 Sunset Lot 6 Truss Label: JH02	Cust: R 215 JRef: 1X012150001 T41 DrwNo: 307.20.1513.29133 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): -0.181 E 646 240 VERT(CL): 0.368 E 318 180 HORZ(LL): 0.066 D - - HORZ(TL): 0.128 D - - Creep Factor: 2.0 Max TC CSI: 0.447 Max BC CSI: 0.623 Max Web CSI: 0.203 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL F 310 -/- /- /200 -/ D 140 -/- /- /11 -/- C 282 -/- /- /122 -/ Wind reactions based on MWFRS F Brg Width = 5.7 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing F is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Special Loads

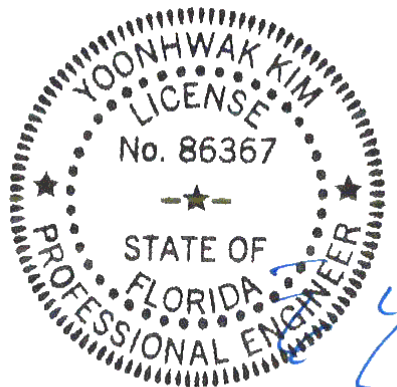
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 2 plf at 0.00 to 2 plf at 9.90
BC: From 2 plf at 0.00 to 2 plf at 9.90
TC: -58 lb Conc. Load at 1.48
TC: 134 lb Conc. Load at 4.31
TC: 280 lb Conc. Load at 7.13
BC: 4 lb Conc. Load at 1.48
BC: 40 lb Conc. Load at 4.31
BC: 125 lb Conc. Load at 7.13

Wind

Wind loads and reactions based on MWFRS.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.
Uplifts based on an elevation at or above 1000 ft.

Additional Notes

The overall height of this truss excluding overhang is 4'-5".
Provide (3) 16d common 0.162"x3.5", toe-nails at TC.
Provide (3) 16d common 0.162"x3.5", toe-nails at BC.



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/02/2020

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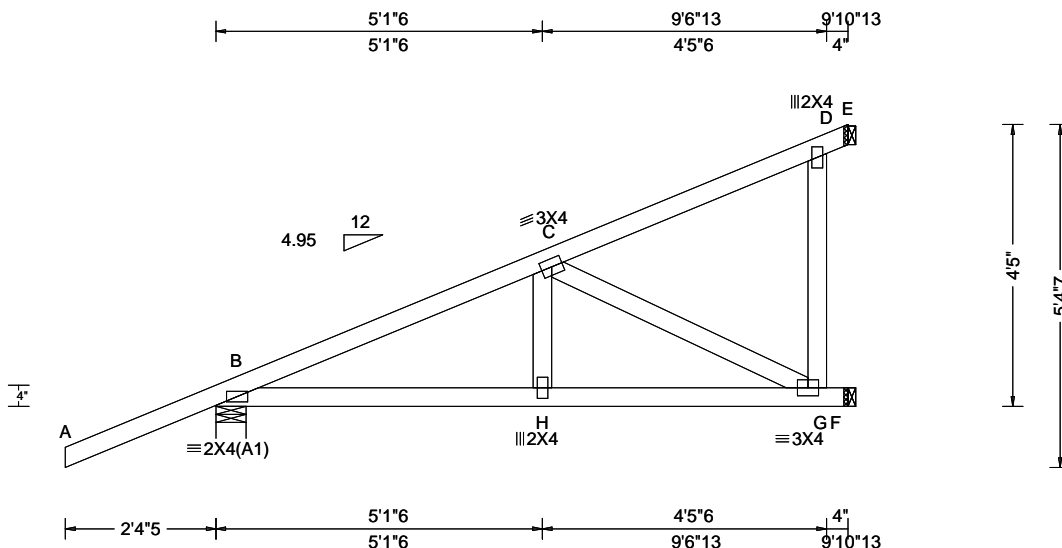
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 604646 FROM: CDM	HIP_ Ply: 1 Qty: 1	Job Number: 20-4805 Sunset Lot 6 Truss Label: JH03	Cust: R 215 JRef: 1X012150001 T39 DrwNo: 307.20.1514.04340 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): -0.011 H 999 240 VERT(CL): 0.022 H 999 180 HORZ(LL): -0.005 H - - HORZ(TL): 0.006 G - - Creep Factor: 2.0 Max TC CSI: 0.246 Max BC CSI: 0.306 Max Web CSI: 0.187 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 379 -/- /- /210 -/ F 156 -/- /- /6 -/ E 162 -/- /- /33 -/ Wind reactions based on MWFRS B Brg Width = 5.7 Min Req = 1.5 F Brg Width = 1.5 Min Req = - E Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 178 -434 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - H 386 -123 H - G 377 -123 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. C - G 138 -415

Lumber

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

Special Loads

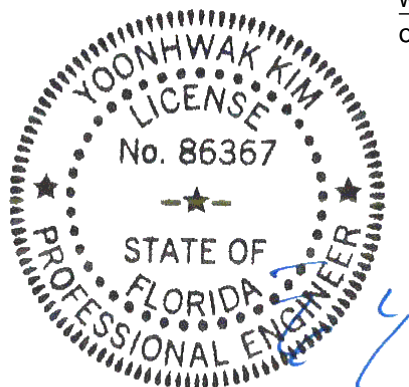
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 2 plf at 0.00 to 2 plf at 9.90
BC: From 2 plf at 0.00 to 2 plf at 9.90
TC: -58 lb Conc. Load at 1.48
TC: 134 lb Conc. Load at 4.31
TC: 280 lb Conc. Load at 7.13
BC: 4 lb Conc. Load at 1.48
BC: 40 lb Conc. Load at 4.31
BC: 125 lb Conc. Load at 7.13

Wind

Wind loads and reactions based on MWFRS.
Wind loading based on both gable and hip roof types.
Uplifts based on an elevation at or above 1000 ft.

Additional Notes

Wall girder loading on this truss.
The overall height of this truss excluding overhang is 4'-5-0.
Provide (3) 16d common 0.162"x3.5", toe-nails at TC.
Provide (3) 16d common 0.162"x3.5", toe-nails at BC.



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/02/2020

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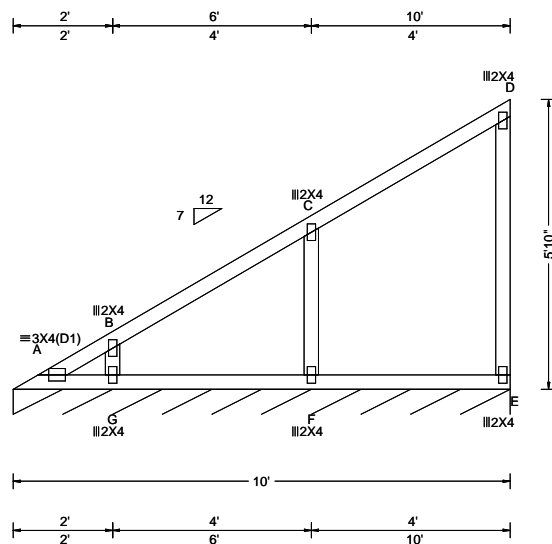
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 604597 FROM: CDM	VAL Ply: 1 Qty: 2	Job Number: 20-4805 Sunset Lot 6 Truss Label: V01	Cust: R 215 JRef: 1X012150001 T33 DrwNo: 307.20.1514.05753 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 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): 0.001 C 999 240 VERT(CL): 0.002 C 999 180 HORZ(LL): -0.004 D - - HORZ(TL): 0.005 D - - Creep Factor: 2.0 Max TC CSI: 0.266 Max BC CSI: 0.174 Max Web CSI: 0.082 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 83 /- /- /54 /11 /19 Wind reactions based on MWFRS E Brg Width = 120 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

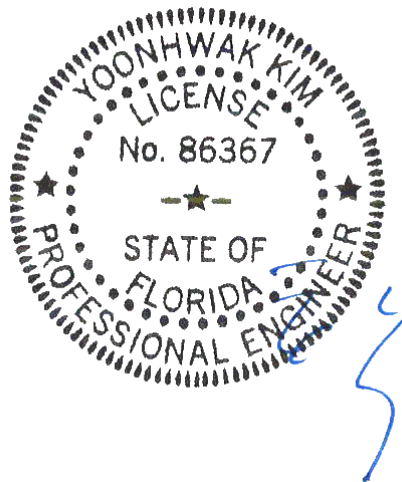
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.
Uplifts based on an elevation at or above 1000 ft.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.
The overall height of this truss excluding overhang is 5-10-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/02/2020

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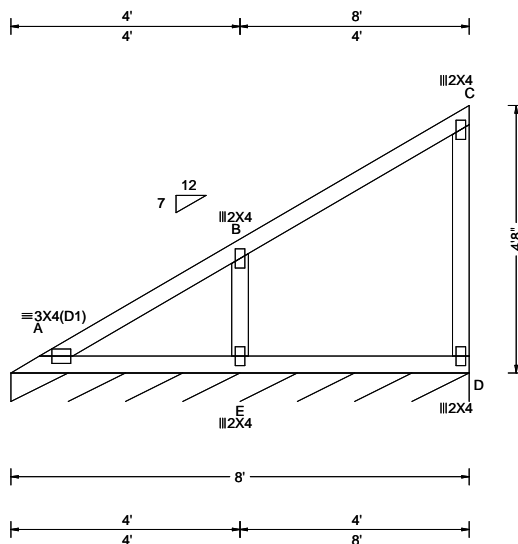
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 604599 FROM: CDM	VAL Ply: 1 Qty: 2	Job Number: 20-4805 Sunset Lot 6 Truss Label: V02	Cust: R 215 JRef: 1X012150001 T32 DrwNo: 307.20.1514.12797 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.005 E 999 240 VERT(CL): 0.011 E 999 180 HORZ(LL): -0.002 C - - HORZ(TL): 0.003 E - - Creep Factor: 2.0 Max TC CSI: 0.278 Max BC CSI: 0.180 Max Web CSI: 0.087 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D* 83 /- /- /53 /11 /18 Wind reactions based on MWFRS D Brg Width = 96.0 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

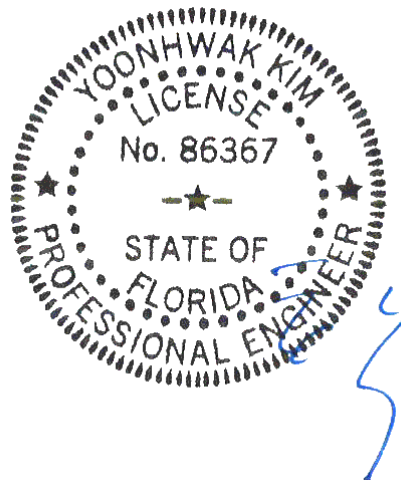
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.
Uplifts based on an elevation at or above 1000 ft.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.
The overall height of this truss excluding overhang is 4-8-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/02/2020

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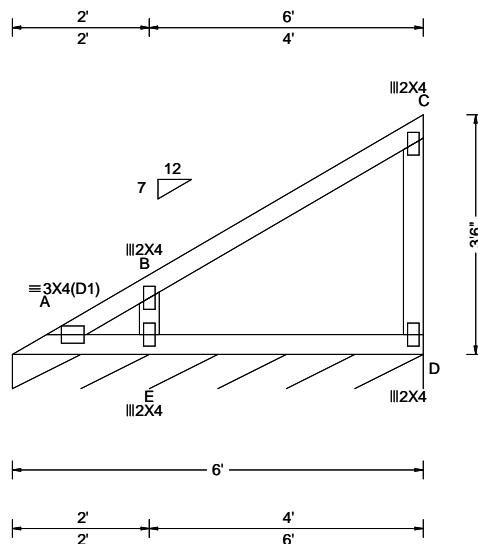
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 604601 FROM: CDM	VAL Ply: 1 Qty: 2	Job Number: 20-4805 Sunset Lot 6 Truss Label: V03	Cust: R 215 JRef: 1X012150001 T31 DrwNo: 307.20.1514.13767 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 E 999 240 VERT(CL): -0.001 E 999 180 HORZ(LL): -0.001 C - - HORZ(TL): 0.002 C - - Creep Factor: 2.0 Max TC CSI: 0.194 Max BC CSI: 0.131 Max Web CSI: 0.098 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D* 83 /- /- /53 /10 /18 Wind reactions based on MWFRS D Brg Width = 72.0 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

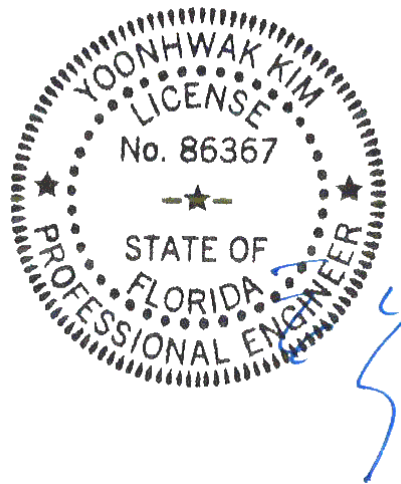
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.
Uplifts based on an elevation at or above 1000 ft.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.
The overall height of this truss excluding overhang is 3-6-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/02/2020

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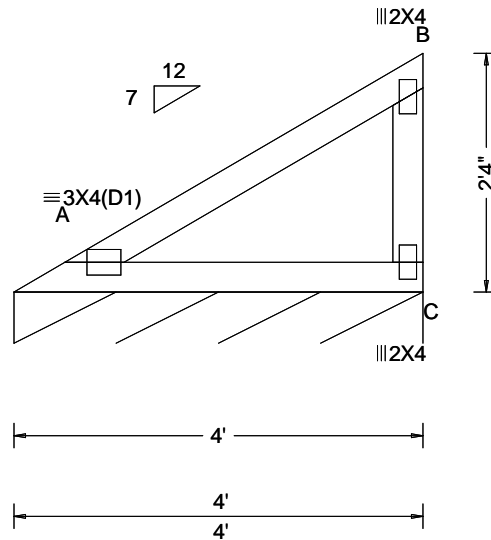
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 604603 FROM: CDM	VAL Ply: 1 Qty: 2	Job Number: 20-4805 Sunset Lot 6 Truss Label: V04	Cust: R 215 JRef: 1X012150001 T30 DrwNo: 307.20.1514.14557 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.003 C - - HORZ(TL): 0.006 C - - Creep Factor: 2.0 Max TC CSI: 0.187 Max BC CSI: 0.156 Max Web CSI: 0.069 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 83 /- /- /51 /9 /17 Wind reactions based on MWFRS C Brg Width = 48.0 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

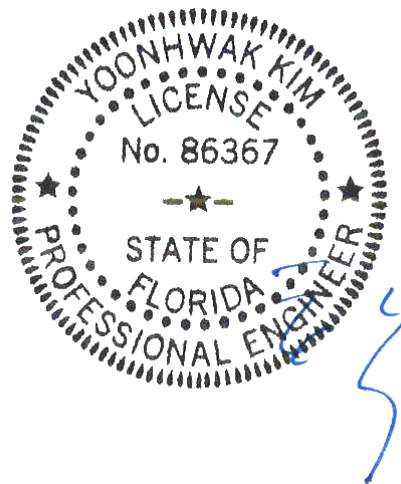
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.
Uplifts based on an elevation at or above 1000 ft.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.
The overall height of this truss excluding overhang is 2'-4"-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/02/2020

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

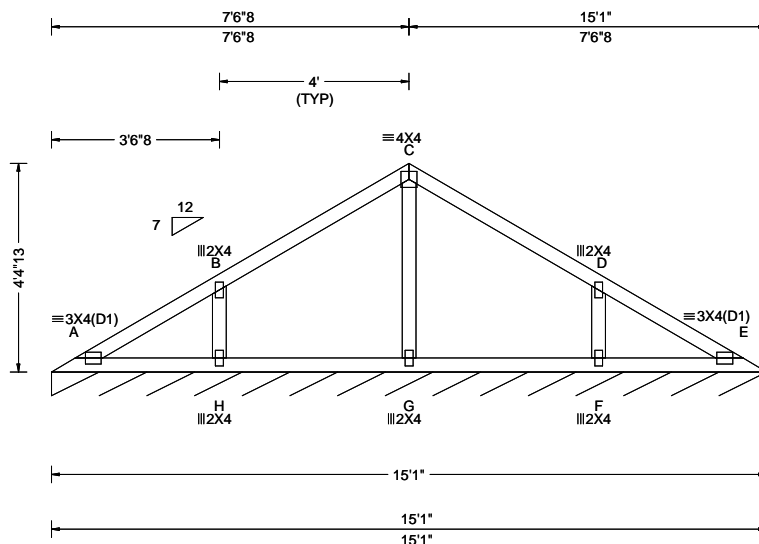
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 604632 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4805 Sunset Lot 6 Truss Label: V05	Cust: R 215 JRef: 1X012150001 T38 DrwNo: 307.20.1514.15177 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.003 F 999 240 VERT(CL): 0.006 F 999 180 HORZ(LL): -0.001 F - - HORZ(TL): 0.003 F - - Creep Factor: 2.0 Max TC CSI: 0.259 Max BC CSI: 0.122 Max Web CSI: 0.081 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 83 /- /- /43 /10 /7 Wind reactions based on MWFRS E Brg Width = 181 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

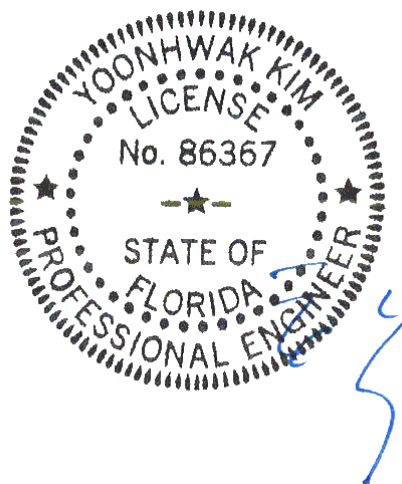
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.
Uplifts based on an elevation at or above 1000 ft.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.
The overall height of this truss excluding overhang is 4'-4-13".



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11/02/2020

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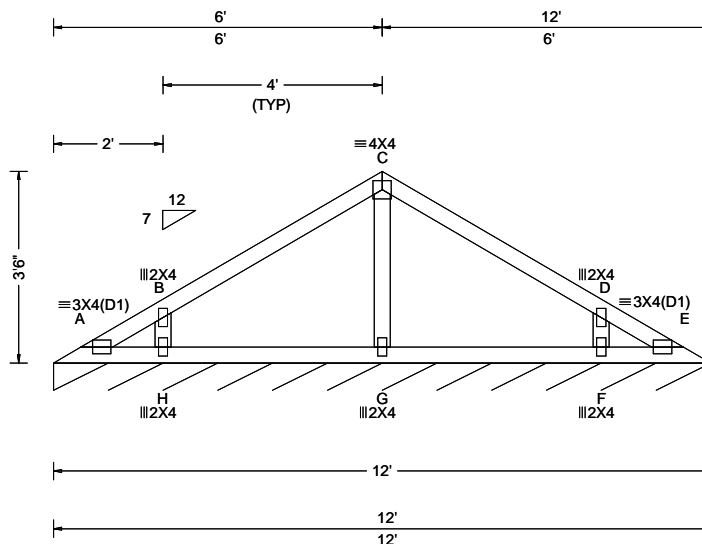
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ALPINE
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6750 Forum Drive
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SEQN: 604630 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4805 Sunset Lot 6 Truss Label: V06	Cust: R 215 JRef: 1X012150001 T37 DrwNo: 307.20.1514.16237 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 C 999 240 VERT(CL): 0.001 C 999 180 HORZ(LL): -0.001 B - - HORZ(TL): 0.001 H - - Creep Factor: 2.0 Max TC CSI: 0.204 Max BC CSI: 0.118 Max Web CSI: 0.062 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 83 /- /- /42 /10 /7 Wind reactions based on MWFRS E Brg Width = 144 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

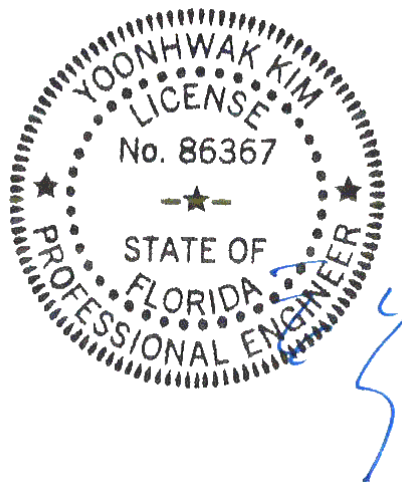
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.
Uplifts based on an elevation at or above 1000 ft.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.
The overall height of this truss excluding overhang is 3-6-0.



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11/02/2020

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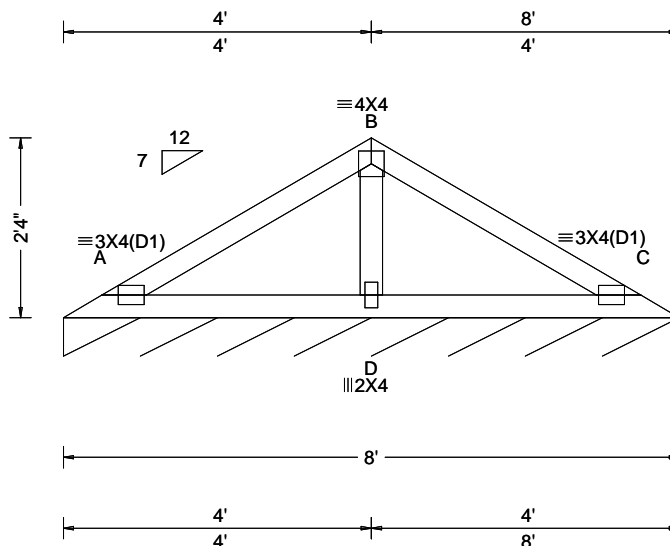
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ALPINE
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6750 Forum Drive
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Orlando FL, 32821

SEQN: 604628 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4805 Sunset Lot 6 Truss Label: V07	Cust: R 215 JRef: 1X012150001 T35 DrwNo: 307.20.1514.18687 / YK 11/02/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 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: 3.00 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): 0.007 D 999 240 VERT(CL): 0.014 D 999 180 HORZ(LL): -0.003 D - - HORZ(TL): 0.006 D - - Creep Factor: 2.0 Max TC CSI: 0.213 Max BC CSI: 0.170 Max Web CSI: 0.074 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 83 /- /- /41 /- /6 Wind reactions based on MWFRS C Brg Width = 96.0 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. B - D 231 -382

Lumber

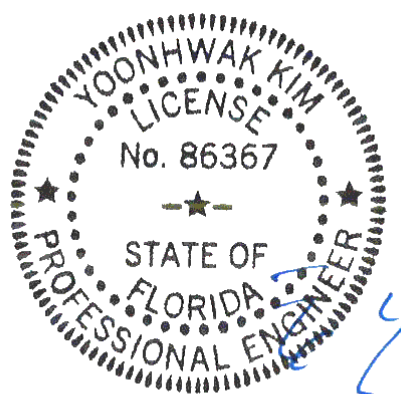
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.
Uplifts based on an elevation at or above 1000 ft.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.
The overall height of this truss excluding overhang is 2'-4"-0.



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

Gable Stud Reinforcement Detail

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

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

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

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

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

Bracing Group Species and Grades:

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

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

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

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

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

Gable Vertical Plate Sizes

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

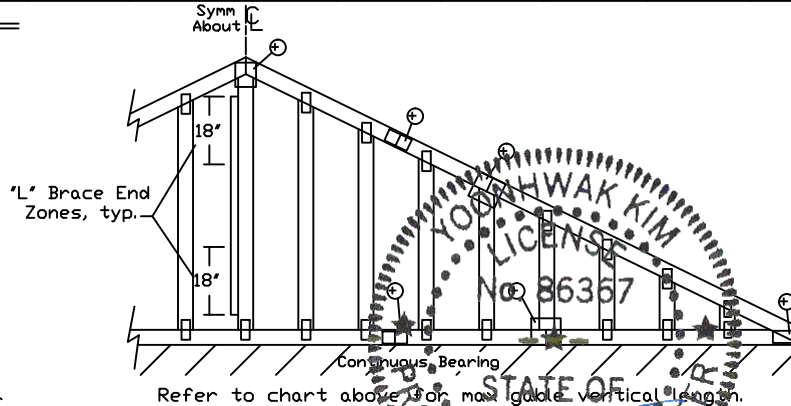
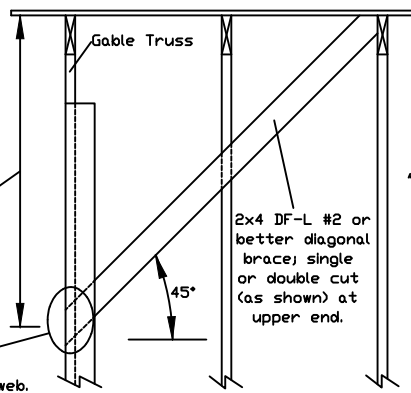
+ Refer to common truss design for peak, splice, and heel plates.

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

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

Vertical length shown in table above.

Connect diagonal at midpoint of vertical web.



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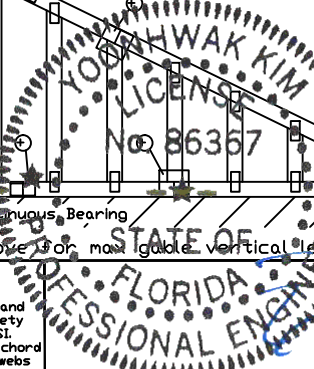
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For more information see this job's general notes page and these web sites:
 ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcaindustry.org; ICC: www.iccdirect.org



514 Earth City Expressway
 Suite 242
 Earth City, MO 63045



MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

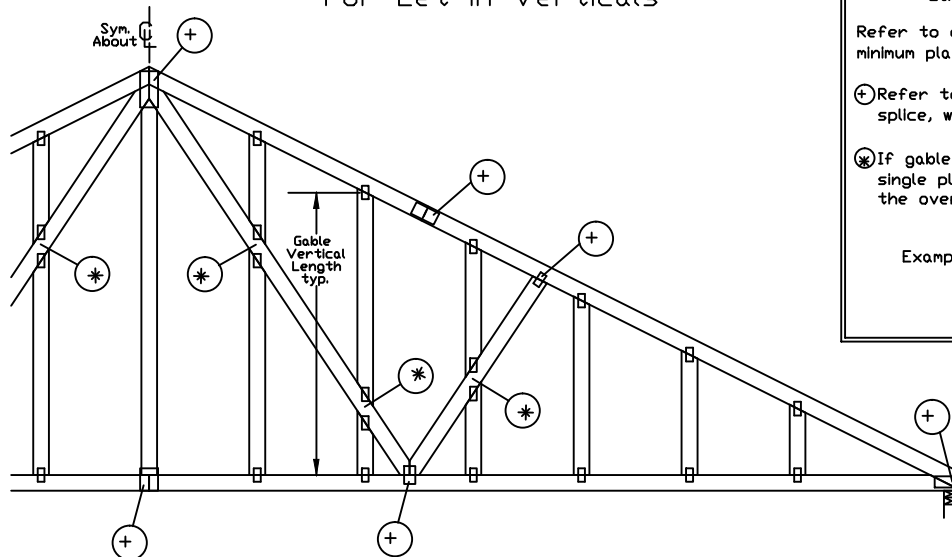
REF ASCE7-16-GAB14015

DATE 01/26/2018

DRWG A14015ENC160118

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

Gable Detail For Let-in Verticals



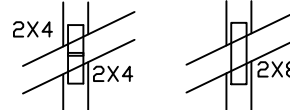
Gable Truss Plate Sizes

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

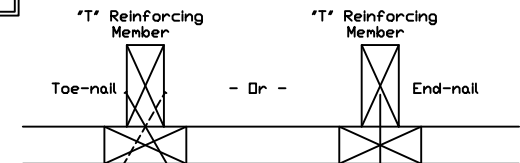
(+) Refer to Engineered truss design for peak, splice, web, and heel plates.

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

Example:



'T' Reinforcement Attachment Detail



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

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

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

Web Length Increase w/ 'T' Brace

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

Example:

ASCE 7-10 Wind Speed = 120 mph

Mean Roof Height = 30 ft, Kzt = 1.00

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

'T' Reinforcing Member Size = 2x4

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

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

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

Provide connections for uplift specified on the engineered truss design.

Attach each 'T' reinforcing member with

End Driven Nails:

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

Toenailed Nails:

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

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

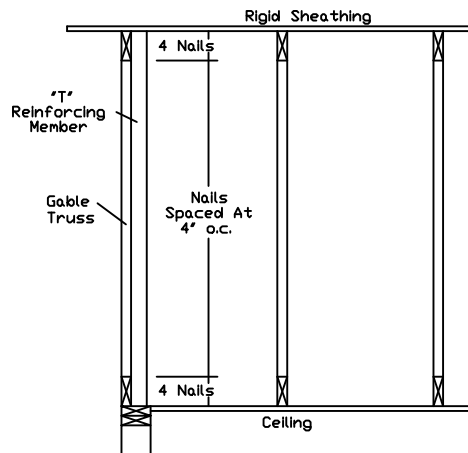
ASCE 7-05 Gable Detail Drawings

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

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

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

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



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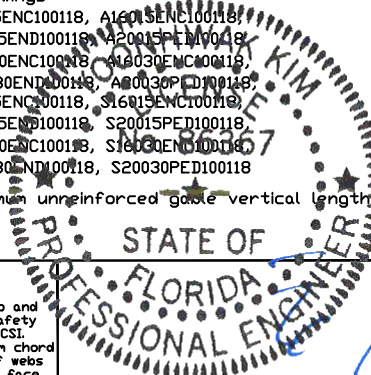
A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

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

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



514 Earth City Expressway
Suite 242
Earth City, MO 63045



REF LET-IN VERT

DATE 01/02/2018

DRWG GBLLETIN0118

MAX. TOT. LD. 60 PSF

DUR. FAC. ANY

MAX. SPACING 24.0"

Yoonhwak Kim, FL PE #86367

CLR Reinforcing Member Substitution

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

Notes:

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

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

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

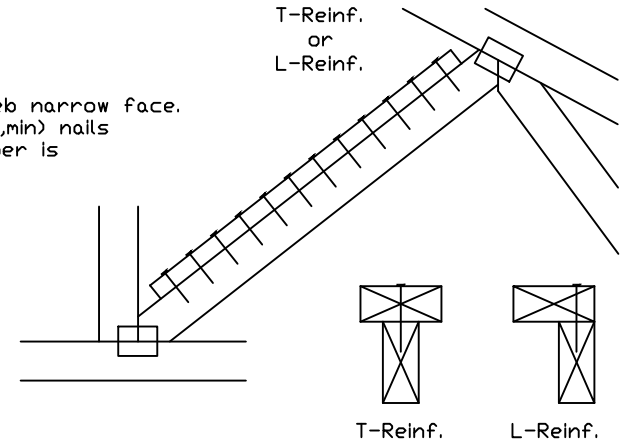
Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf.	Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(X)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(X)

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

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

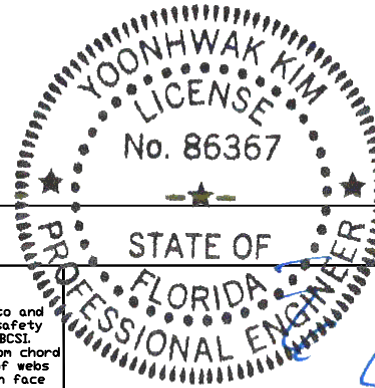
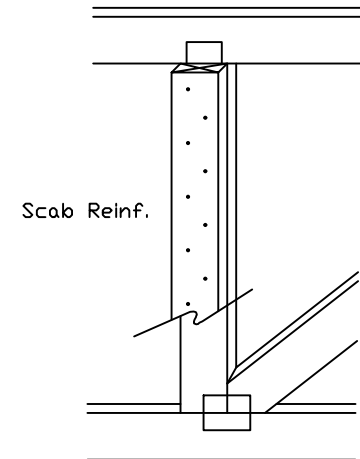
T-Reinforcement or L-Reinforcement:

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



Scab Reinforcement:

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



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514 Earth City Expressway
Suite 242
Earth City, MO 63045

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

11/03/2020 Yoonhwak Kim, FL PE #86367

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
 Or
 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 truss installation.

Or

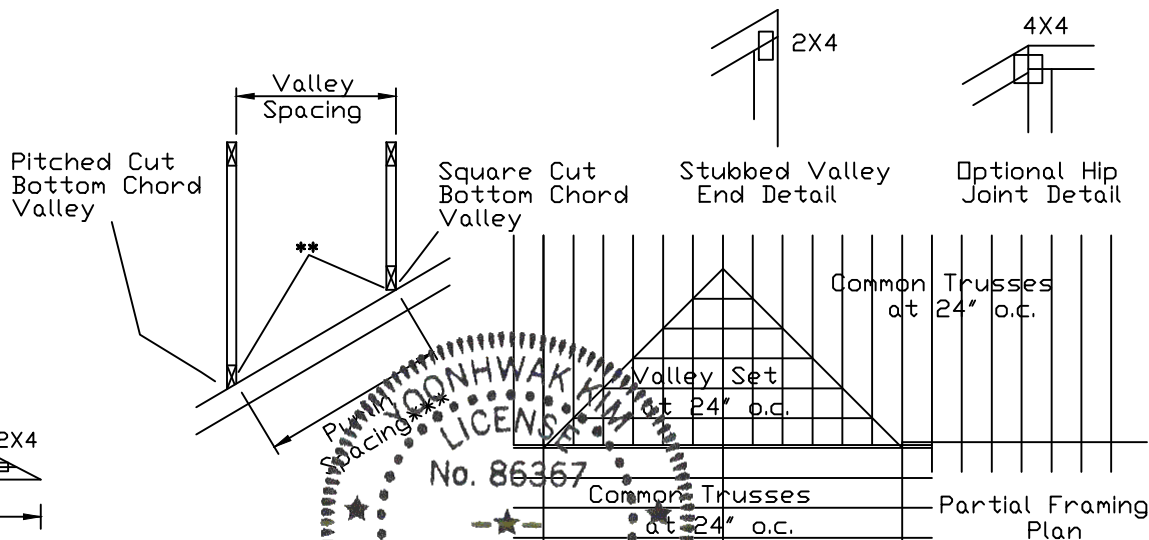
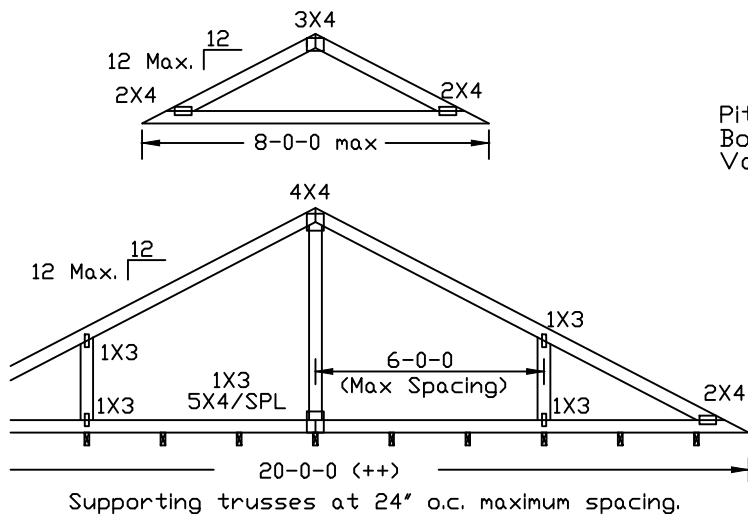
Purlins at 24" o.c. or as otherwise specified on engineer's sealed design

Or

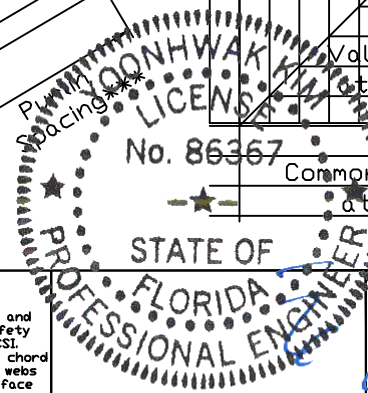
By valley trusses used in lieu of purlin spacing as specified on Engineer's sealed design.

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

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



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TC LL	30	30	40PSF	REF	VALLEY DETAIL
TC DL	20	15	7PSF	DATE	01/26/2018
BC DL	10	10	10 PSF	DRWG	VAL180160118
BC LL	0	0	0PSF		
TOT. LD.	60	55	57PSF		
DUR.FAC.	1.25/1.33	1.15	1.15		
SPACING	24.0"				

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 on
 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.

Or

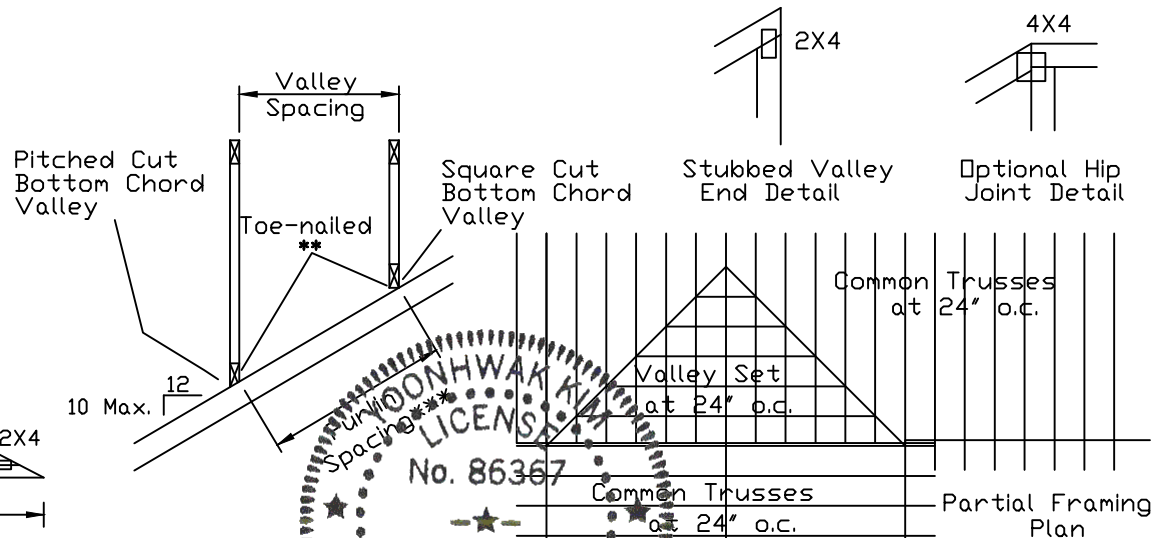
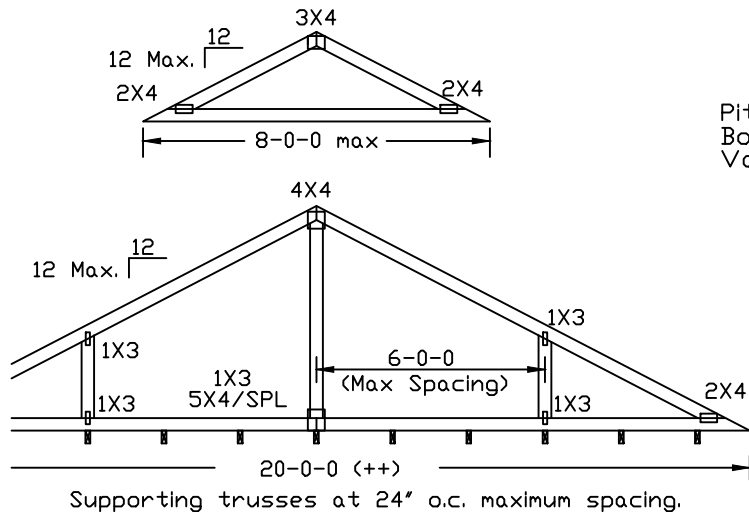
Purlins at 24" o.c. or as otherwise specified on engineer's sealed design

Or

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

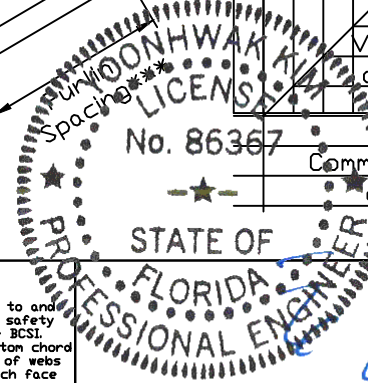
*** Note that the purlin spacing for bracing the top chord of the truss
 beneath the valley is measured along the slope of the top chord.

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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	VALTN160118
BC LL	0	0	0 PSF		
TOT. LD.	60	55	57PSF		
DUR.FAC.1.25/1.33	1.15	1.15			
SPACING	24.0"				

Yoonhwak Kim, FL PE #86367