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YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

07/06/2020

ALPINE AN ITW COMPANY

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

COLUMBIA COUNTY BUILDING DEPARTMENT Received for FILE COPY Code Compliance PLANS EXAMINER

This document has been electronically signed and sealed using a Digital Signature. Printed copies without an original signature must be verified using the original electronic version.

Site Information:	**Page 1:**
Customer: W. B. Howland Company, Inc.	*Job Number:* 20-4374
Job Description: Glenwood King's Personal Residence	
Address:	

Job Engineering Criteria:	
Design Code: FBC 2017 RES	*IntelliVIEW Version:* 19.02.02B *JRef #:* 1WWQ2150002
Wind Standard: ASCE 7-10 *Wind Speed (mph):* 130 *Building Type:* Closed	*Roof Load (psf):* 20.00-10.00- 0.00-10.00 *Floor Load (psf):* None

This package contains general notes pages, 45 truss drawing(s) and 2 detail(s).

Item	Drawing Number	Truss
1	188.20.0915.58347	A01
3	188.20.0916.03660	A03
5	188.20.0916.07507	A05
7	188.20.0916.17547	B01
9	188.20.0916.24660	B03
11	188.20.0917.50093	C01
13	188.20.0917.55173	C03
15	188.20.0917.59330	C05
17	188.20.0918.05143	D01
19	188.20.0918.13433	FT1
21	188.20.0918.28990	G01
23	188.20.0918.32970	H02
25	188.20.0918.47157	H04
27	188.20.0919.02173	HJ2
29	188.20.0919.05530	HJ4
31	188.20.0919.08860	J03
33	188.20.0919.11453	J04
35	188.20.0919.14040	J05A
37	188.20.0919.16450	J06A
39	188.20.0919.18890	J07A
41	188.20.0919.21740	K02
43	188.20.0919.27990	M02
45	188.20.0919.36943	M04
47	GBLLETIN0118	

Item	Drawing Number	Truss
2	188.20.0916.01180	A02
4	188.20.0916.05710	A04
6	188.20.0916.14540	A06
8	188.20.0916.21320	B02
10	188.20.0917.33490	B04
12	188.20.0917.52457	C02
14	188.20.0917.57343	C04
16	188.20.0918.03080	C06
18	188.20.0918.08210	D02
20	188.20.0918.16230	FT2
22	188.20.0918.31540	H01
24	188.20.0918.42220	H03
26	188.20.0918.55780	HJ1
28	188.20.0919.03687	HJ3
30	188.20.0919.06903	J01
32	188.20.0919.10117	J03A
34	188.20.0919.12620	J05
36	188.20.0919.15203	J06
38	188.20.0919.17740	J07
40	188.20.0919.20170	K01
42	188.20.0919.23673	M01
44	188.20.0919.33123	M03
46	A14015ENC101014	

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.

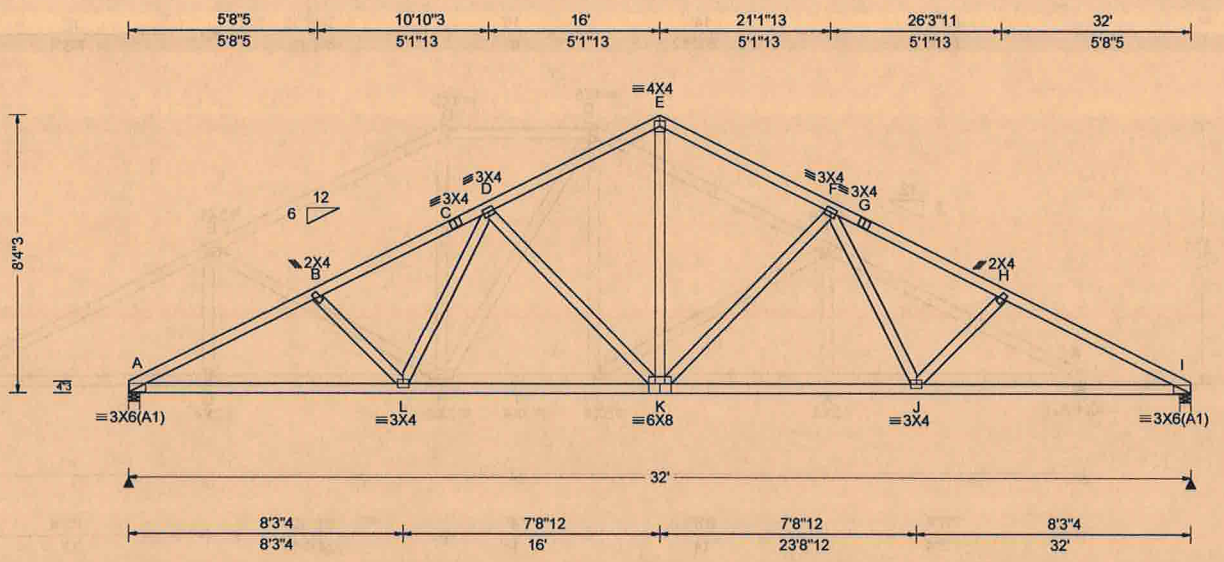
BCDL = Bottom Chord standard design Dead Load in pounds per square foot.
BCLL = Bottom Chord standard design Live Load in pounds per square foot.
CL = Certified lumber.
Des Ld = total of TCLL, TCDL, BCLL and BCDL Design Load in pounds per square foot.
FRT = Fire Retardant Treated lumber.
FRT-DB = D-Blaze 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.: 13723 Riverport Drive, Suite 200, Maryland Heights, MO 63043; 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: 352276 COMN FROM: CDM	Ply: 1 Qty: 5	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** A01	Cust: R 215 JRef: 1WWQ2150002 T27 DrwNo: 188.20.0915.58347 / YK 07/06/2020	



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: > 2h
C&C Dist a: 3.20 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.132	K	999	240
VERT(CL): 0.256	K	999	180
HORZ(LL): 0.054	J	-	-
HORZ(TL): 0.105	J	-	-

Creep Factor: 2.0
Max TC CSI: 0.323
Max BC CSI: 0.866
Max Web CSI: 0.667

VIEW Ver: 19.02.02B.0122.15

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1400	/-	/-	/764	/19	/206
I	1400	/-	/-	/764	/19	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 Min Req = 1.7
I Brg Width = 4.0 Min Req = 1.7
Bearings A & I are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	563	-2604	E - F	446	-1683
B - C	543	-2377	F - G	547	-2259
C - D	547	-2259	G - H	543	-2377
D - E	446	-1683	H - I	563	-2604

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - L	2265	-431	K - J	1866	-301
L - K	1866	-301	J - I	2265	-431

Maximum Web Forces Per Ply (lbs)

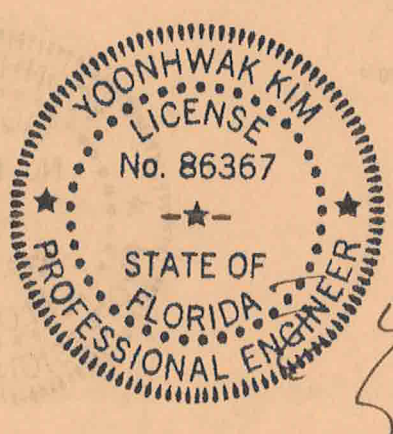
Webs	Tens.	Comp.	Webs	Tens.	Comp.
L - D	471	-94	K - F	195	-615
D - K	195	-615	F - J	471	-94
E - K	1117	-247			

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

Additional Notes
The overall height of this truss excluding overhang is 8-4-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

****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: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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Suite 305
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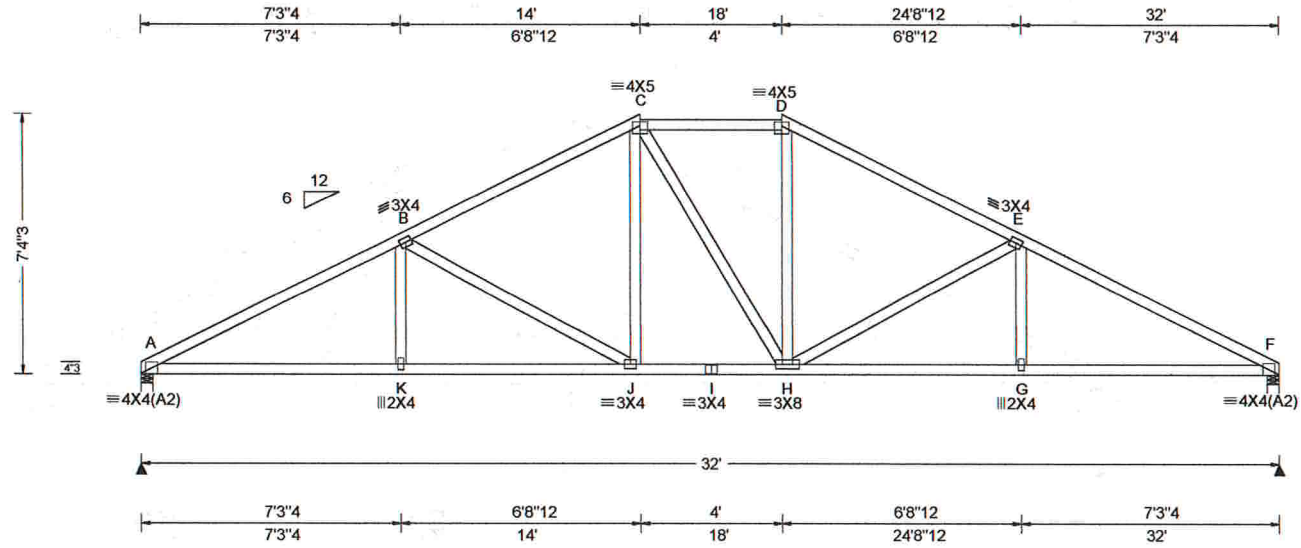
SEQN: 352298 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** A02	Cust: R 215 JRef: 1WWQ2150002 T23 DrwNo: 188.20.0916.01180 / YK 07/06/2020



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: > 2h
C&C Dist a: 3.20 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.106	J	999	240
VERT(CL): 0.218	J	999	180
HORZ(LL): 0.048	G	-	-
HORZ(TL): 0.099	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.572
Max BC CSI: 0.740
Max Web CSI: 0.689

VIEW Ver: 19.02.02B.0122.15

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1318	/-	/-	/765	/52	/180
F	1318	/-	/-	/765	/52	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 Min Req = 1.6
F Brg Width = 4.0 Min Req = 1.6
Bearings A & F are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	582	-2382	D - E	506	-1765
B - C	508	-1773	E - F	582	-2382
C - D	498	-1486			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - K	2053	-439	I - H	1484	-265
K - J	2050	-439	H - G	2050	-440
J - I	1484	-265	G - F	2053	-440

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - J	206	-634	D - H	443	-110
J - C	443	-85	H - E	207	-638

Lumber

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

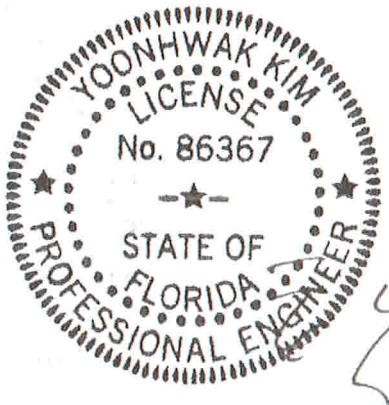
Wind

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

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

The overall height of this truss excluding overhang is 7-4-3.



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07/06/2020

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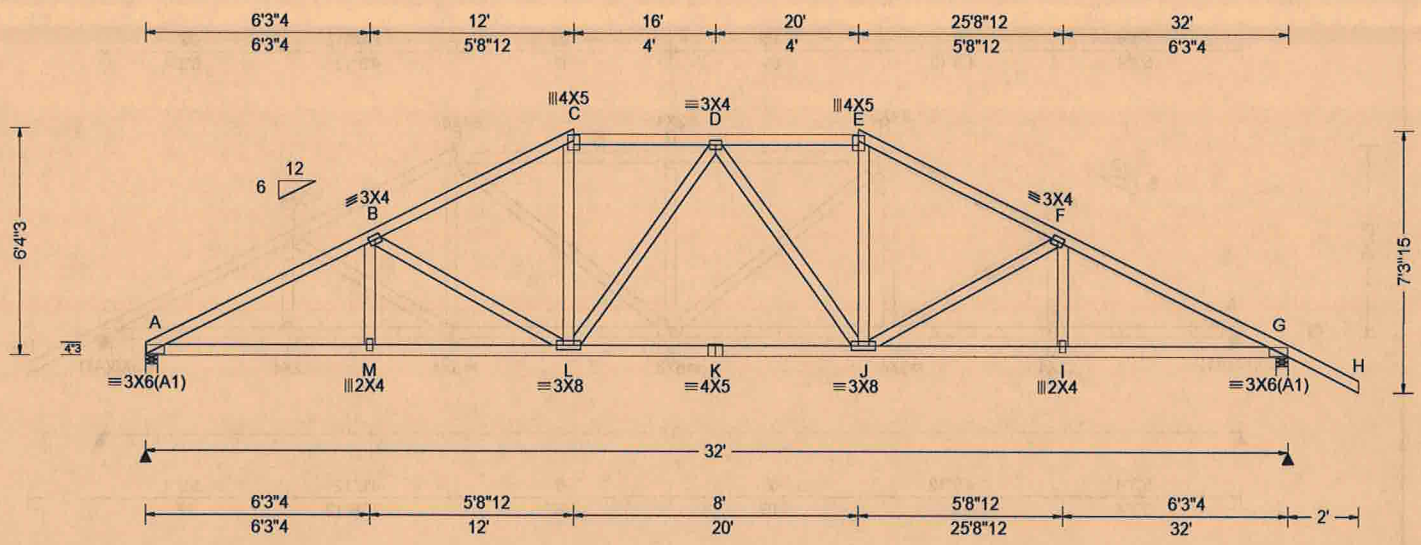
SEQN: 352295 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** A03	Cust: R 215 JRef: 1WWQ2150002 T12 DrwNo: 188.20.0916.03660 / YK 07/06/2020	



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: > 2h
C&C Dist a: 3.20 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.116	D	999	240
VERT(CL): 0.236	D	999	180
HORZ(LL): 0.049	I	-	-
HORZ(TL): 0.100	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.422
Max BC CSI: 0.821
Max Web CSI: 0.385

VIEW Ver: 19.02.02B.0122.15

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
A	1313 /-	/-	/761	/83	/186
G	1456 /-	/-	/875	/101	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 Min Req = 1.5
G Brg Width = 4.0 Min Req = 1.7
Bearings A & G are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	605	-2406	D - E	527	-1640
B - C	542	-1925	E - F	539	-1917
C - D	515	-1645	F - G	584	-2366

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - M	2083	-432	K - J	1737	-324
M - L	2080	-432	J - I	2039	-430
L - K	1737	-324	I - G	2041	-430

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - L	175	-492	E - J	526	-104
L - C	532	-128	J - F	154	-449

Lumber

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

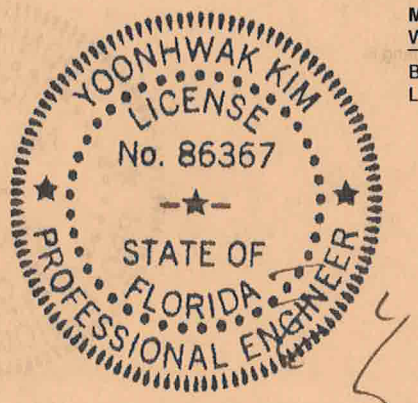
Wind

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

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

The overall height of this truss excluding overhang is 6-4-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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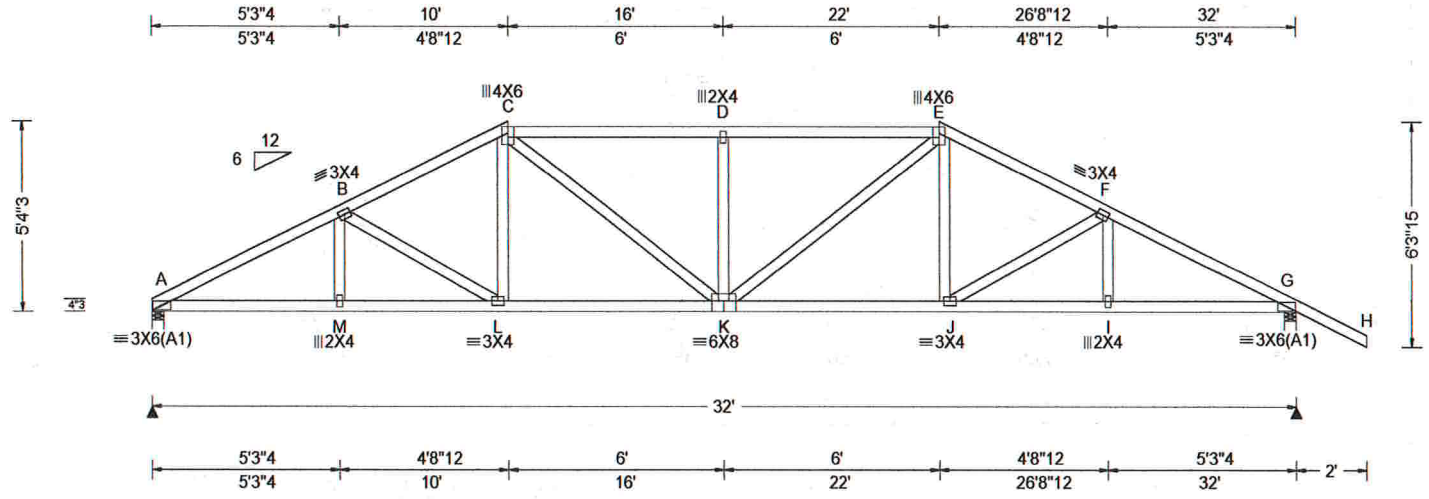
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352292 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** A04	Cust: R 215 JRef: 1WWQ2150002 T8 DrwNo: 188.20.0916.05710 / YK 07/06/2020



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: > 2h
C&C Dist a: 3.20 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.133	D	999	240
VERT(CL): 0.271	D	999	180
HORZ(LL): 0.050	I	-	-
HORZ(TL): 0.101	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.425
Max BC CSI: 0.698
Max Web CSI: 0.214

VIEW Ver: 19.02.02B.0122.15

▲ Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
A	1313 /-	/-	/754	/114	/160
G	1456 /-	/-	/867	/132	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 Min Req = 1.5
G Brg Width = 4.0 Min Req = 1.7
Bearings A & G are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	628	-2436	D - E	647	-2150
B - C	589	-2089	E - F	586	-2074
C - D	647	-2150	F - G	607	-2386

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - M	2117	-462	K - J	1797	-363
M - L	2115	-462	J - I	2062	-460
L - K	1807	-348	I - G	2063	-459

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - K	442	-125	K - E	455	-137
D - K	171	-446			

Lumber

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

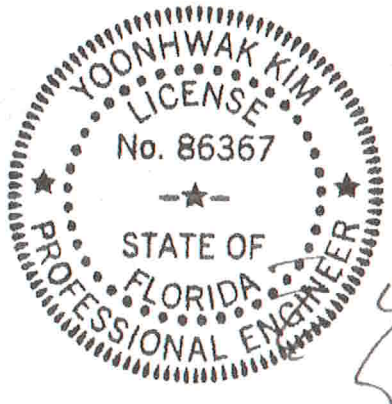
Wind

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

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

The overall height of this truss excluding overhang is 5-4-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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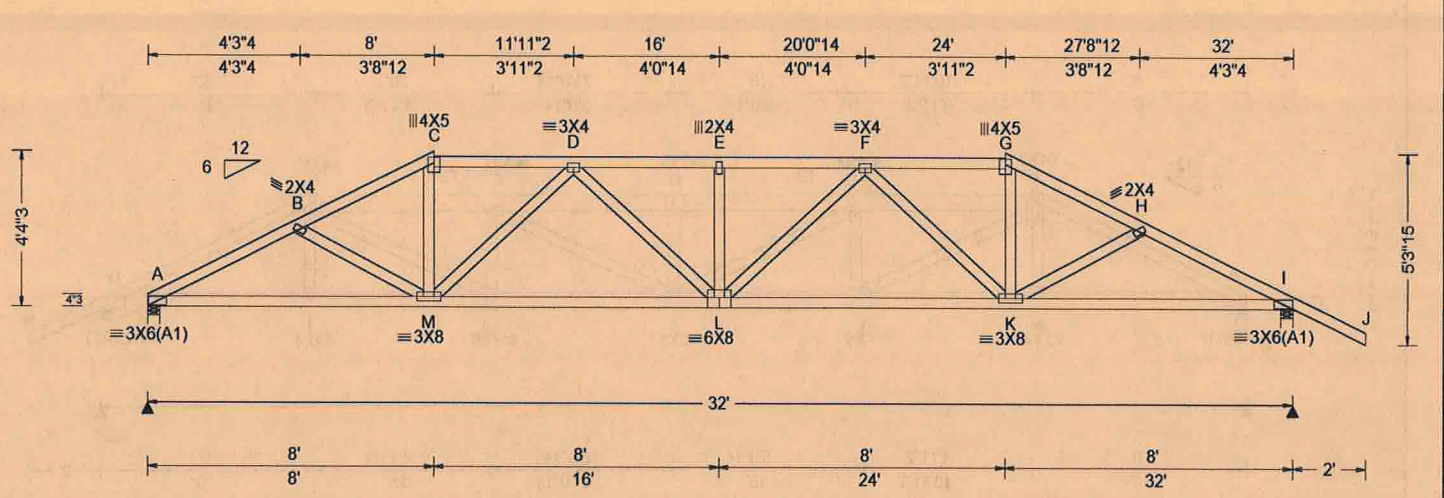
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352289 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** A05	Cust: R 215 JRef: 1WWQ2150002 T2 DrwNo: 188.20.0916.07507 / YK 07/06/2020	



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: > 2h
C&C Dist a: 3.20 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.169	E	999	240
VERT(CL): 0.343	E	999	180
HORZ(LL): 0.057	K	-	-
HORZ(TL): 0.117	K	-	-

Creep Factor: 2.0
Max TC CSI: 0.398
Max BC CSI: 0.862
Max Web CSI: 0.447

VIEW Ver: 19.02.02B.0122.15

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1313	/-	/-	/742	/143	/135
I	1456	/-	/-	/855	/161	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 Min Req = 1.5
I Brg Width = 4.0 Min Req = 1.7
Bearings A & I are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	663	-2451	E - F	764	-2677
B - C	621	-2244	F - G	583	-1933
C - D	577	-1954	G - H	614	-2216
D - E	764	-2677	H - I	648	-2400

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - M	2140	-503	L - K	2450	-554
M - L	2462	-558	K - I	2081	-501

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
M - C	738	-181	F - K	232	-719
M - D	219	-706	G - K	717	-156

Lumber

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

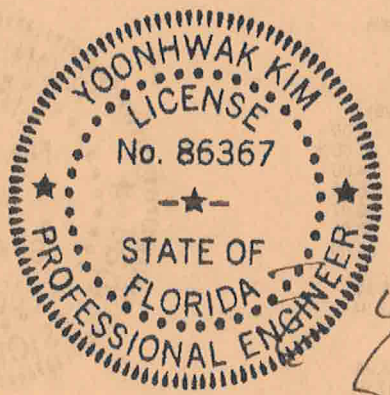
Wind

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

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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ALPINE
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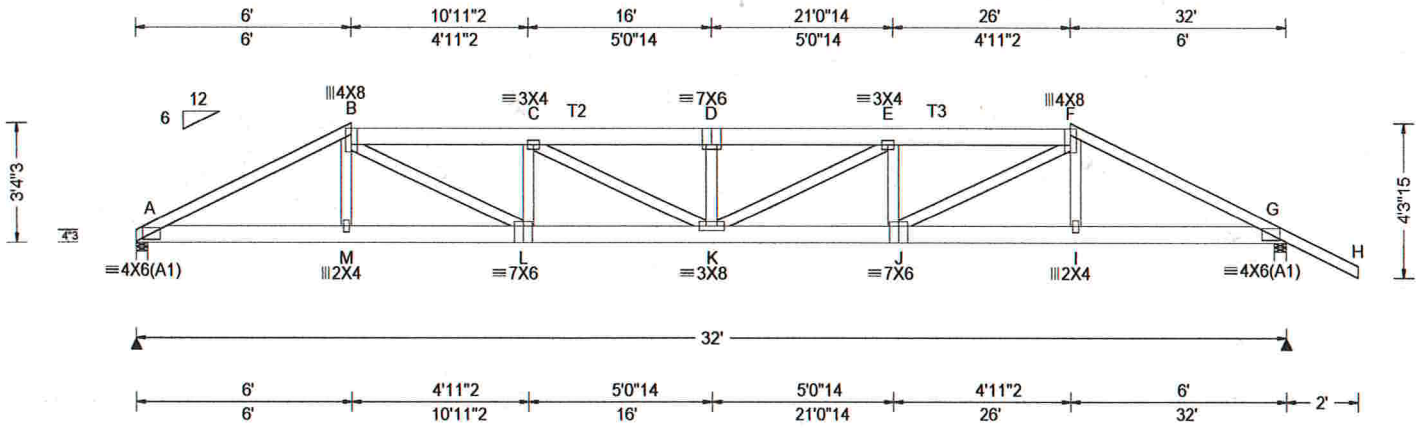
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352301 HIPS FROM: CDM	Ply: 2 Qty: 1	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** A06	Cust: R 215 JRef: 1WWQ2150002 T1 DrwNo: 188.20.0916.14540 / YK 07/06/2020

2 Complete Trusses Required



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-10
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: 3.20 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.182	D	999	240
VERT(CL): 0.365	D	999	180
HORZ(LL): 0.035	I	-	-
HORZ(TL): 0.071	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.346
Max BC CSI: 0.260
Max Web CSI: 0.575

VIEW Ver: 19.02.02B.0122.15

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	2796	/-	/-	/-	/610	/-
G	2939	/-	/-	/-	/662	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 Min Req = 1.5
G Brg Width = 4.0 Min Req = 1.5
Bearings A & G are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	656	-2944	D - E	951	-4351
B - C	854	-3894	E - F	851	-3886
C - D	951	-4351	F - G	647	-2918

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - M	2622	-579	K - J	3945	-868
M - L	2609	-578	J - I	2585	-570
L - K	3953	-871	I - G	2598	-570

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - L	1492	-319	K - E	465	-95
L - C	173	-586	E - J	175	-591
C - K	456	-92	J - F	1510	-325

Lumber

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

Nailnote

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.

Special Loads

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

TC: From	62 plf at	0.00 to	62 plf at	6.00
TC: From	31 plf at	6.00 to	31 plf at	26.00
TC: From	62 plf at	26.00 to	62 plf at	34.00
BC: From	20 plf at	0.00 to	20 plf at	6.03
BC: From	10 plf at	6.03 to	10 plf at	25.97
BC: From	20 plf at	25.97 to	20 plf at	32.00
BC: From	4 plf at	32.00 to	4 plf at	34.00

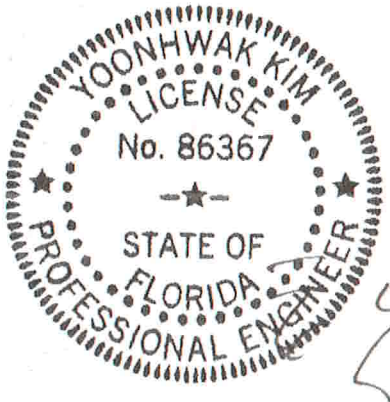
TC: 291 lb Conc. Load at 6.03,25.97
TC: 152 lb Conc. Load at 8.06,10.06,21.94,23.94
TC: 166 lb Conc. Load at 12.06,14.06,16.00,17.94 19.94
BC: 391 lb Conc. Load at 6.03,25.97
BC: 107 lb Conc. Load at 8.06,10.06,21.94,23.94
BC: 112 lb Conc. Load at 12.06,14.06,16.00,17.94 19.94

Wind

Wind loads and reactions based on MWFRS.
Uplifts based on an elevation at or above 1000 ft.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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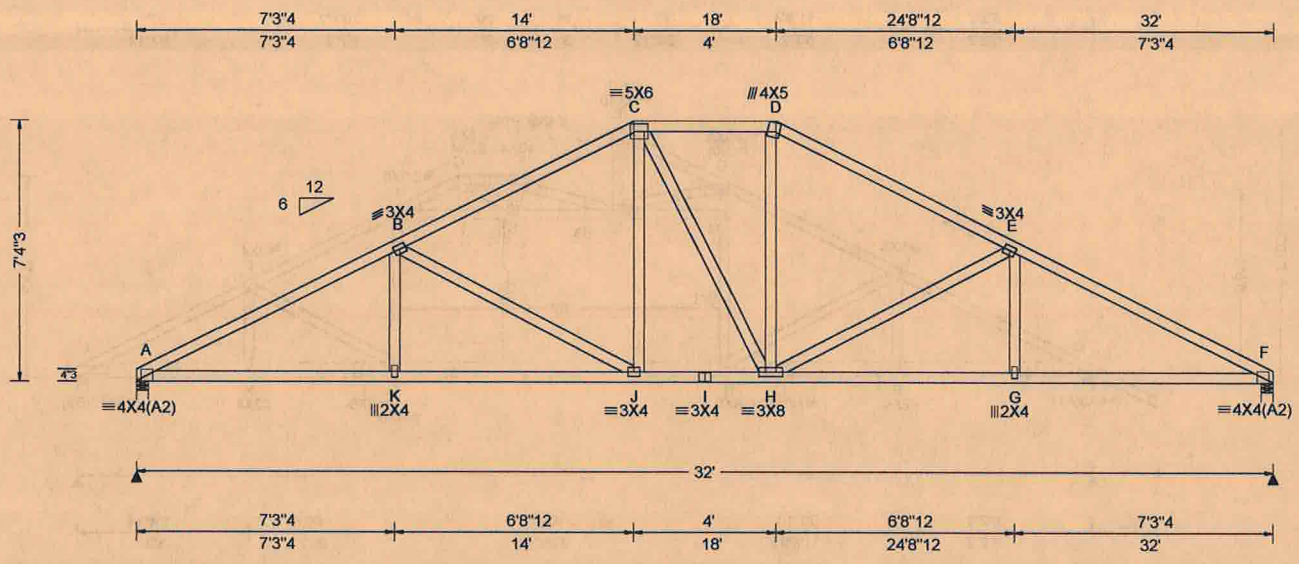
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352304 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** B01	Cust: R 215 JRef: 1WWQ2150002 T36 DrwNo: 188.20.0916.17547 / YK 07/06/2020	



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: > 2h
C&C Dist a: 3.20 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.106	J	999	240
VERT(CL): 0.219	J	999	180
HORZ(LL): 0.048	G	-	-
HORZ(TL): 0.099	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.571
Max BC CSI: 0.763
Max Web CSI: 0.772

VIEW Ver: 19.02.02B.0122.15

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1318	/-	/-	/764	/39	/180
F	1318	/-	/-	/764	/39	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 Min Req = 1.6
F Brg Width = 4.0 Min Req = 1.6
Bearings A & F are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	584	-2384	D - E	501	-1739
B - C	503	-1747	E - F	584	-2384
C - D	494	-1473			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - K	2054	-441	I - H	1470	-262
K - J	2051	-442	H - G	2050	-442
J - I	1470	-262	G - F	2054	-442

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - J	214	-665	H - D	443	-111
C - J	441	-85	H - E	215	-668

Lumber

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

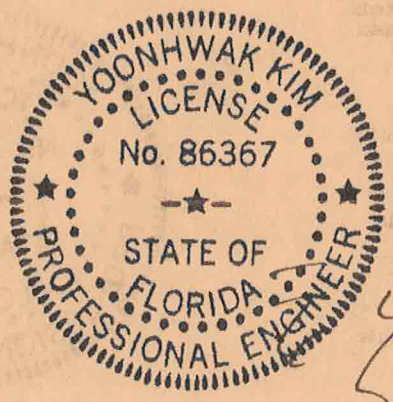
Wind

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

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

The overall height of this truss excluding overhang is 7-4-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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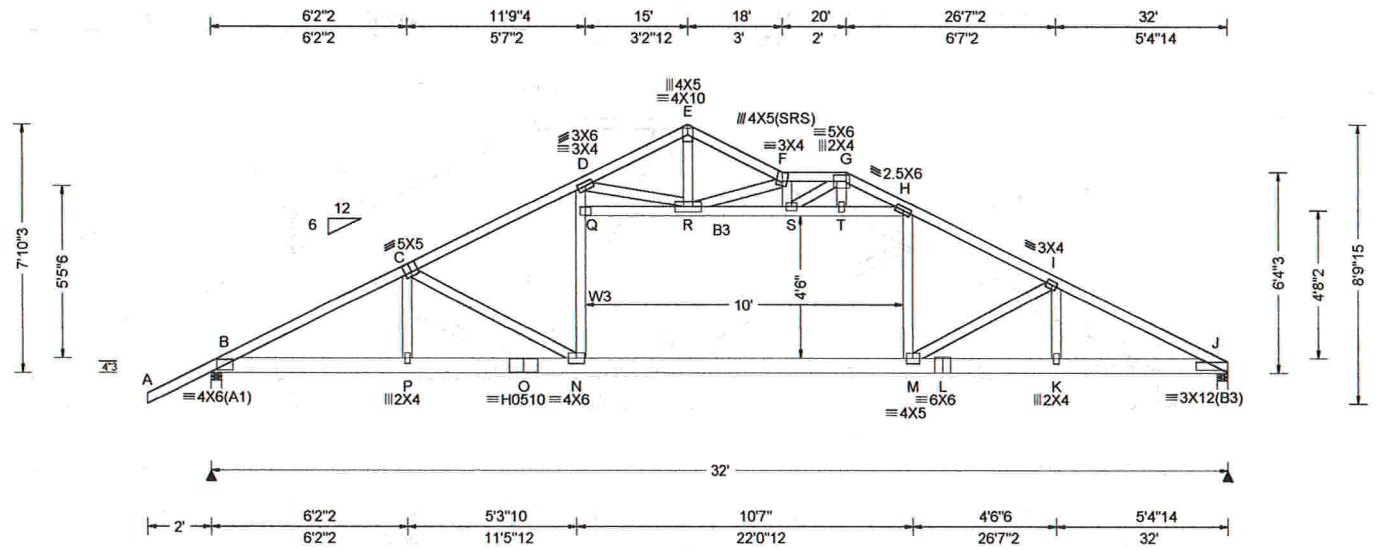
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352307 SPEC FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** B02	Cust: R 215 JRef: 1WWQ2150002 T29 DrwNo: 188.20.0916.21320 / YK 07/06/2020	



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-10
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: 3.20 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.283	M	999	240
VERT(CL): 0.662	M	574	180
HORZ(LL): -0.091	M	-	-
HORZ(TL): 0.220	M	-	-

Creep Factor: 2.0
Max TC CSI: 0.745
Max BC CSI: 0.779
Max Web CSI: 0.505

VIEW Ver: 19.02.02B.0122.15

▲ Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
B	1928 /-	/-	/877	/48	/225
J	1833 /-	/-	/762	/22	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.6
J Brg Width = 4.0 Min Req = 1.5
Bearings B & J are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	586	-3348	F - G	505	-1764
C - D	563	-3216	G - H	377	-1444
D - E	323	-1144	H - I	558	-3278
E - F	317	-1113	I - J	644	-3595

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - P	2929	-439	M - L	3167	-502
P - O	2934	-440	L - K	3167	-502
O - N	2934	-440	K - J	3166	-502
N - M	2821	-342			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
N - Q	1019	-75	R - S	27	-999
Q - D	1042	-79	S - T	197	-1510
Q - R	155	-476	S - G	559	-186
D - R	260	-1632	T - H	201	-1541
E - R	813	-179	H - M	797	-38
R - F	320	-940	M - I	206	-508

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP 2400f-2.0E; B3 2x4 SP #2;
Webs: 2x4 SP #3; W3 2x4 SP M-31;

Loading

Attic room loading from 11-9-4 to 21-9-4: Live Load: 30 PSF. Dead Load: 10 PSF Ceiling: 5 PSF, Kneewalls: 5 PSF

Truss designed for sleeping room only. No waterbeds permitted. Provide information to contractor, architect, and bldg owner. Trusses to be visibly stamped to indicate 30.00 psf MAX LL.

Purlins

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

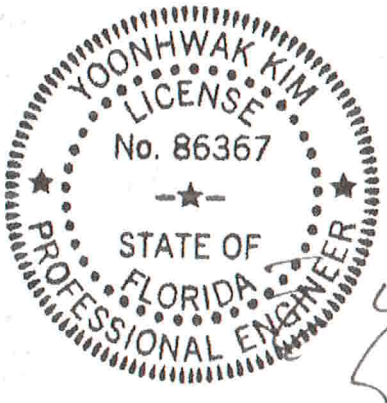
Wind

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

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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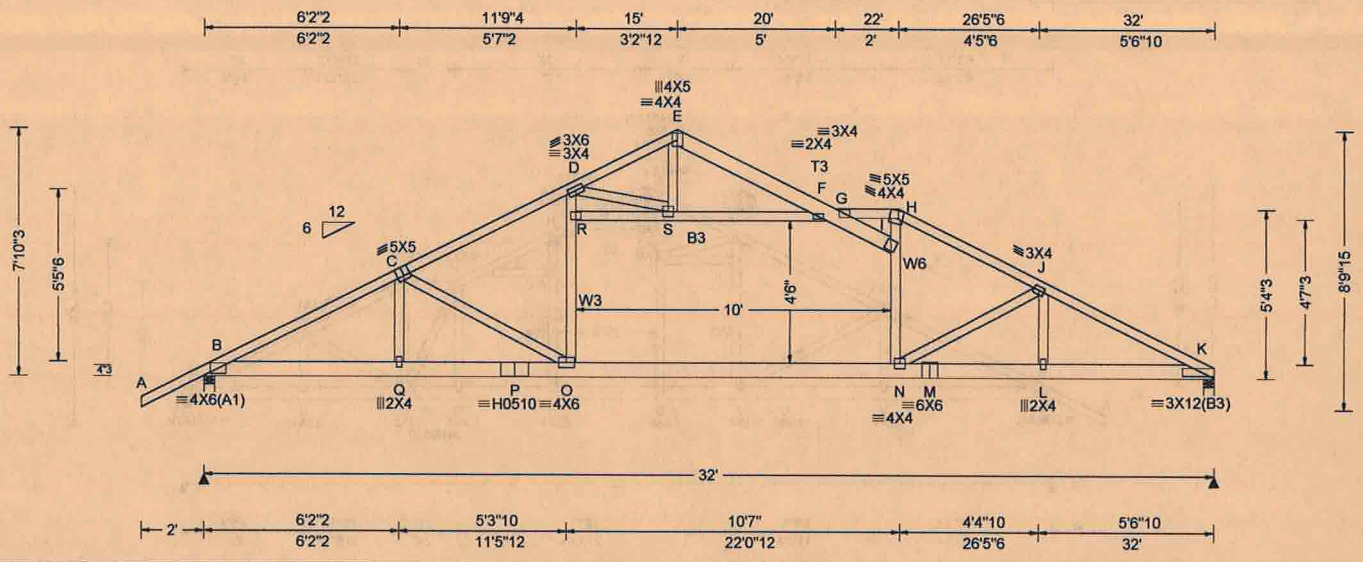
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352312 SPEC FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** B03	Cust: R215 JRef: 1WWQ2150002 T28 DrwNo: 188.20.0916.24660 / YK 07/06/2020	



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-10
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: 3.20 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.355	G	999	240
VERT(CL): 0.771	G	493	180
HORZ(LL): -0.102	I	-	-
HORZ(TL): 0.243	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.622
Max BC CSI: 0.794
Max Web CSI: 0.586

VIEW Ver: 19.02.02B.0122.15

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1926	/-	/-	/876	/43	/225
K	1834	/-	/-	/761	/20	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.6
K Brg Width = 4.0 Min Req = 1.5
Bearings B & K are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	568	-3336	G - H	126	-479
C - D	561	-3234	G - I	492	-2800
D - E	292	-1157	I - J	546	-3262
E - F	249	-1017	J - K	650	-3600
F - G	527	-2746			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - Q	2917	-420	N - M	3165	-505
Q - P	2923	-422	M - L	3165	-505
P - O	2923	-422	L - K	3166	-506
O - N	2859	-348			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
O - R	1043	-78	S - F	343	-1951
R - D	1064	-83	H - I	1468	-200
R - S	138	-570	H - N	740	-14
D - S	240	-1532	N - J	218	-472
S - E	595	-86			

Lumber

Top chord: 2x4 SP #2; T3 2x6 SP 2400f-2.0E;
Bot chord: 2x6 SP 2400f-2.0E; B3 2x4 SP #2;
Webs: 2x4 SP #3; W3,W6 2x4 SP M-31;

Loading

Attic room loading from 11-9-4 to 21-9-4: Live Load: 30 PSF. Dead Load: 10 PSF Ceiling: 5 PSF, Kneewalls: 5 PSF

Truss designed for sleeping room only. No waterbeds permitted. Provide information to contractor, architect, and bldg owner. Trusses to be visibly stamped to indicate 30.00 psf MAX LL.

Purlins

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

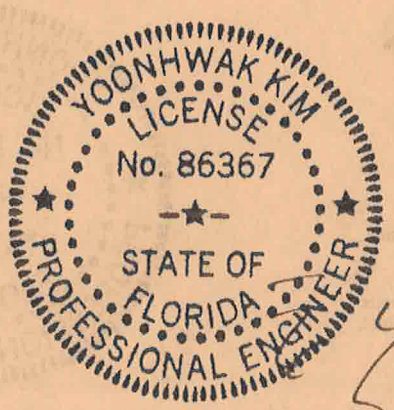
Wind

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

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

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



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07/06/2020

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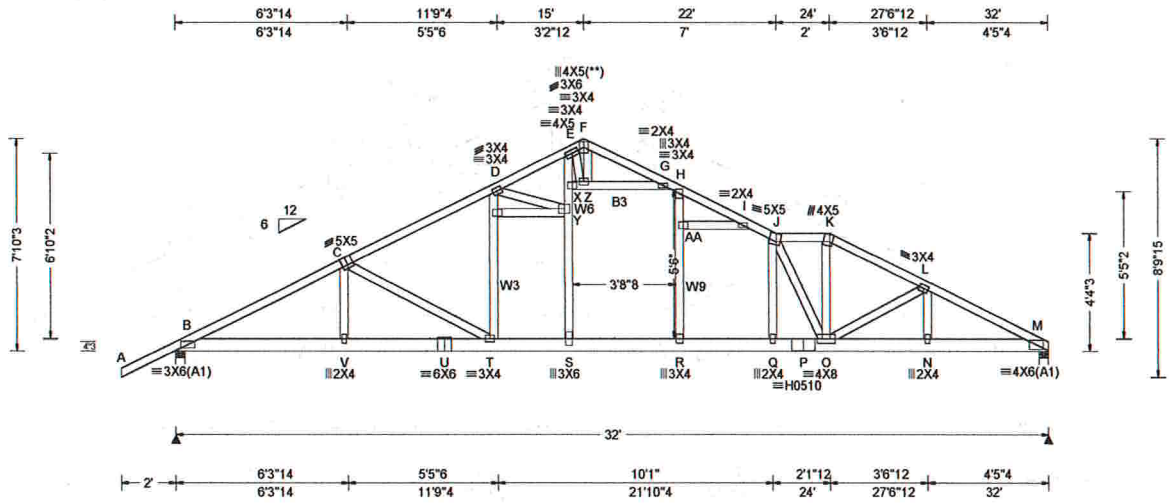
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352380 SPEC FROM: CDM Page 1 of 2	Ply: 2 Qty: 1	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** B04	Cust: R 215 JRef: 1WWQ2150002 T3 DrwNo: 188.20.0917.33490 / YK 07/06/2020	

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.521 Q 729 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 1.049 Q 362 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.164 K - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.330 K - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.786
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.958
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Varies by Ld Case	Max Web CSI: 0.967
	C&C Dist a: 3.20 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 9.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE, HS	VIEW Ver: 19.02.02B.0122.15
	Wind Duration: 1.60		

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	2618	/-	/-	/-	/416	/-
M	4176	/-	/-	/-	/566	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
M Brg Width = 4.0 Min Req = 1.7
Bearings B & M are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	347	-2401	H - I	280	-2097
C - D	339	-2434	I - J	348	-2544
D - E	212	-1638	J - K	331	-2422
E - F	89	-728	K - L	376	-2694
F - G	90	-699	L - M	443	-3237
G - H	292	-2132			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - V	2112	-296	R - Q	2321	-313
V - U	2117	-298	Q - P	2360	-319
U - T	2117	-298	P - O	2360	-319
T - S	2200	-296	O - N	2870	-388
S - R	2216	-298	N - M	2884	-389

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - Y	79	-442	AA- R	600	-49
X - Y	902	-87	AA- H	633	-54
X - E	877	-85	AA- I	70	-495
X - Z	204	-1399	Q - J	169	-1069
Y - S	808	-69	O - K	971	-111
E - Z	67	-650	O - L	72	-566
F - Z	738	-78	L - N	398	-16
Z - G	228	-1632			

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP 2400f-2.0E; B3 2x4 SP #2;
Webs: 2x4 SP #3; W3 2x4 SP #2; W6,
W9 2x4 SP M-31;

Nailnote

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.

Plating Notes

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

Loading

Attic room loading from 14-6-12 to 18-3-4: Live Load: 30 PSF. Dead Load: 10 PSF Ceiling: 5 PSF, Kneewalls: 5 PSF

Truss designed for sleeping room only. No waterbeds permitted. Provide information to contractor, architect, and bldg owner. Trusses to be visibly stamped to indicate 30.00 psf MAX LL.

Purlins

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

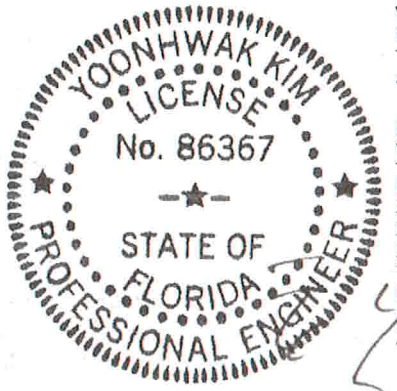
Wind

Wind loads and reactions based on MWFRS.

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

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



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07/06/2020

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6750 Forum Drive
Suite 305
Orlando FL, 32821

Special loads

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

TC: From	62 plf at	-2.00 to	62 plf at	32.00
TC: From	11 plf at	18.12 to	11 plf at	18.27
PLT: From	10 plf at	14.56 to	10 plf at	17.54
PLT: From	80 plf at	14.56 to	80 plf at	18.27
BC: From	4 plf at	-2.00 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	32.00

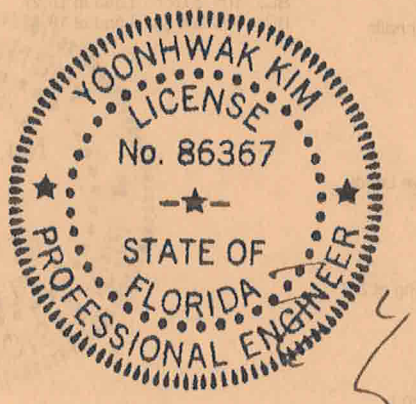
BC: 818 lb Conc. Load at 14.42

BC: 55 lb Conc. Load at 14.56,18.27

BC: 956 lb Conc. Load at 18.42

BC: 1490 lb Conc. Load at 30.06

BC: 323 lb Conc. Load at 30.94



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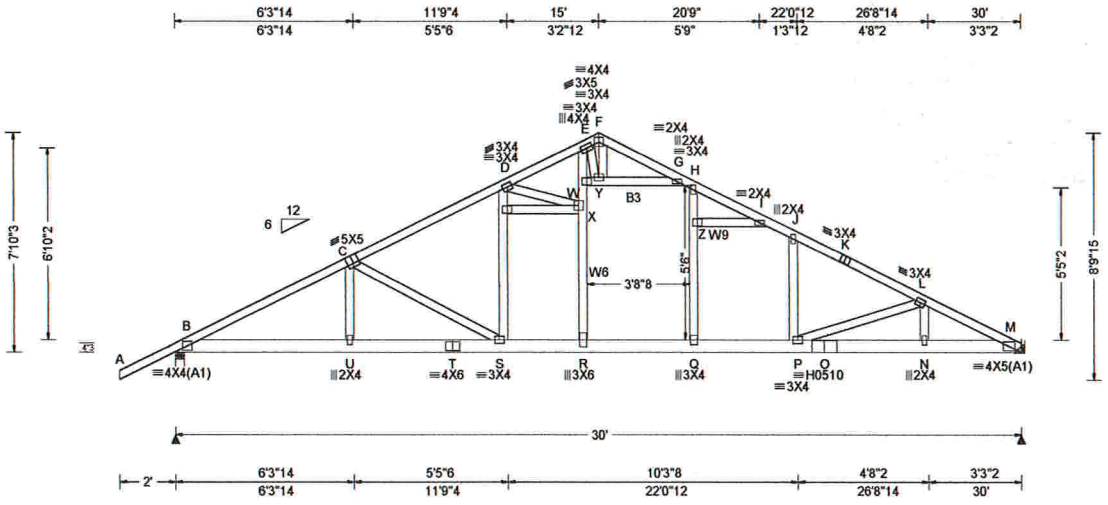
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352368 ATIC FROM: CDM	Ply: 2 Qty: 1	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** C01	Cust: R 215 JRef: 1WWQ2150002 T34 DrwNo: 188.20.0917.50093 / YK 07/06/2020	

2 Complete Trusses Required



Loading Criteria (psf)
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 Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.306	J	999	240
VERT(CL): 0.626	J	570	180
HORZ(LL): -0.112	J	-	-
HORZ(TL): 0.228	J	-	-

Creep Factor: 2.0
Max TC CSI: 0.571
Max BC CSI: 0.500
Max Web CSI: 0.849

VIEW Ver: 19.02.02B.0122.15

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	2465	/-	/-	/-	/383	/-
M	2566	/-	/-	/-	/354	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
M Brg Width = - Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	315	-2260	H - I	258	-2026
C - D	293	-2200	I - J	296	-2256
D - E	190	-1574	J - K	289	-2263
E - F	91	-818	K - L	304	-2302
F - G	95	-812	L - M	375	-2724
G - H	253	-1939			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - U	1987	-268	Q - P	2018	-259
U - T	1989	-269	P - O	2419	-331
T - S	1989	-269	O - N	2419	-331
S - R	1966	-252	N - M	2428	-331
R - Q	1968	-252			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - X	73	-401	F - Y	775	-74
W - X	918	-80	Y - G	177	-1280
W - E	891	-78	Z - Q	498	-37
W - Y	153	-1030	Z - H	514	-39
X - R	826	-62	P - L	77	-430
E - Y	67	-699			

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP 2400f-2.0E; B3 2x4 SP #2;
Webs: 2x4 SP #3; W6 2x4 SP M-31; W9 2x4 SP #2;

Nailnote

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.

Hangers / Ties

(J) Hanger Support Required, by others

Loading

Attic room loading from 14-6-12 to 18-3-4: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Purlins

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

Wind

Wind loads and reactions based on MWFRS.

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

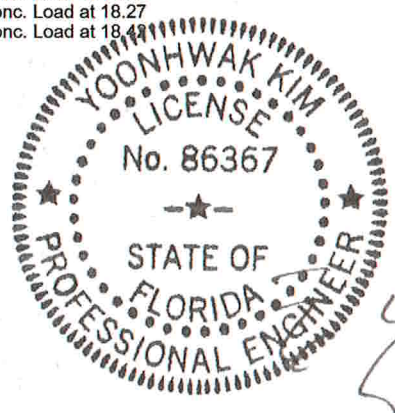
The overall height of this truss excluding overhang is 7-10-3.

Special loads

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

TC: From	62 plf at	-2.00 to	62 plf at	30.00	
TC: From	22 plf at	18.12 to	22 plf at	18.27	
PLT: From	20 plf at	14.56 to	20 plf at	17.54	
PLT: From	100 plf at	14.56 to	100 plf at	18.27	
BC: From	4 plf at	-2.00 to	4 plf at	0.00	
BC: From	20 plf at	0.00 to	20 plf at	30.00	

BC: 818 lb Conc. Load at 14.42
BC: 110 lb Conc. Load at 14.56
BC: 109 lb Conc. Load at 18.27
BC: 956 lb Conc. Load at 18.42



FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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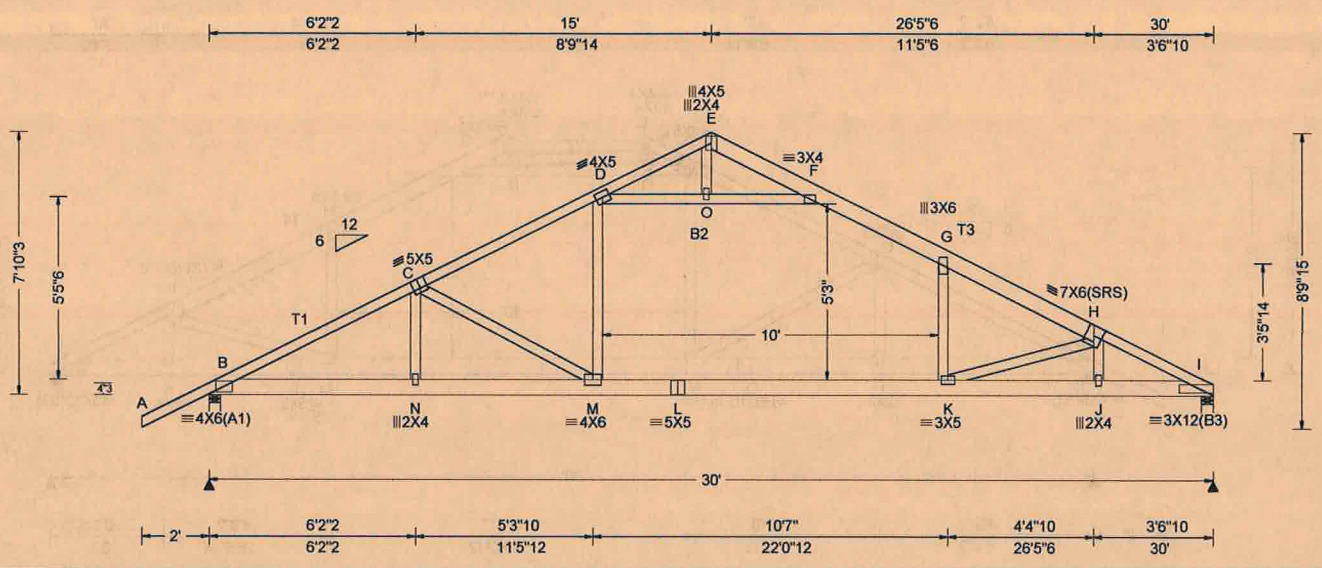
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352389 ATIC FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** C02	Cust: R 215 JRef: 1WWQ2150002 T21 DrwNo: 188.20.0917.52457 / YK 07/06/2020	



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.354	K	999	240
VERT(CL): 0.776	K	459	180
HORZ(LL): -0.131	G	-	-
HORZ(TL): 0.302	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.566
Max BC CSI: 0.766
Max Web CSI: 0.430

VIEW Ver: 19.02.02B.0122.15

▲ Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
B	1813 /-	/-	/825	/35	/222
I	1780 /-	/-	/712	/19	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
I Brg Width = 4.0 Min Req = 1.5
Bearings B & I are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	467	-3098	G - H	428	-3070
C - D	444	-2968	H - I	576	-3609
F - G	441	-2584			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - N	2707	-354	L - K	2544	-248
N - M	2713	-355	K - J	3244	-468
M - L	2544	-248	J - I	3238	-470

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
M - D	1071	-68	G - K	835	-15
D - O	390	-2462	K - H	235	-868
O - F	394	-2492			

Lumber

Top chord: 2x4 SP M-31; T1 2x4 SP #2;
T3 2x6 SP 2400f-2.0E;
Bot chord: 2x6 SP 2400f-2.0E; B2 2x4 SP #2;
Webs: 2x4 SP #3;

Loading

Attic room loading from 11-9-4 to 21-9-4: Live Load: 30 PSF. Dead Load: 10 PSF Ceiling: 5 PSF, Kneewalls: 5 PSF

Truss designed for sleeping room only. No waterbeds permitted. Provide information to contractor, architect, and bldg owner. Trusses to be visibly stamped to indicate 30.00 psf MAX LL.

Purlins

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

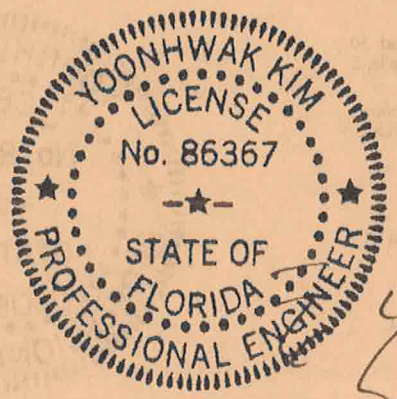
Wind

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

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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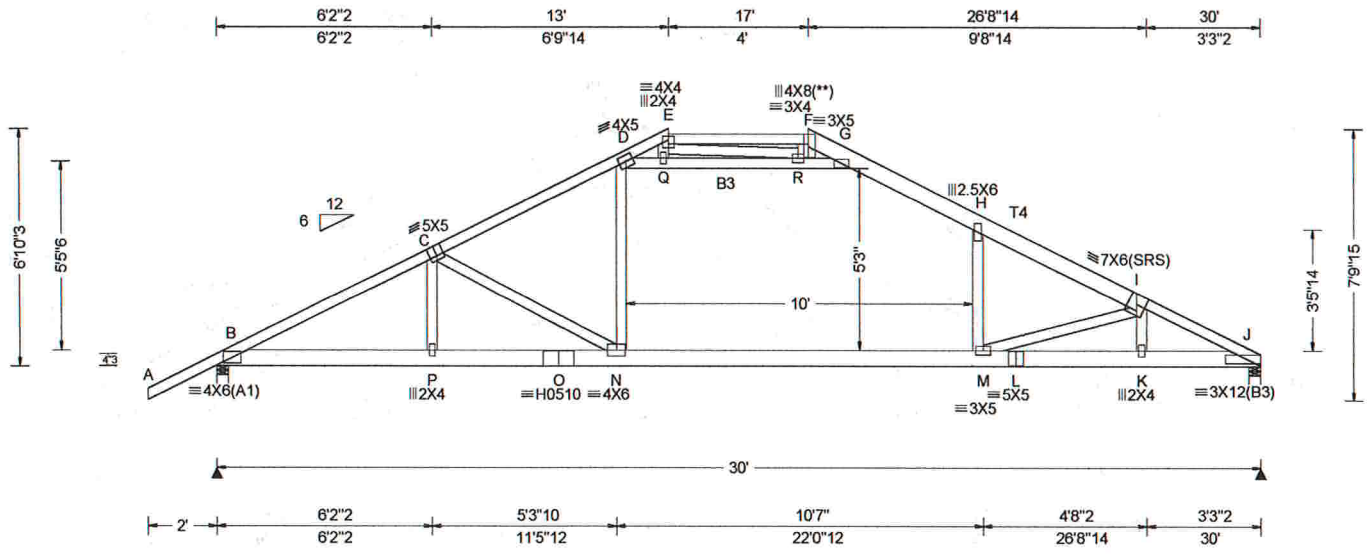
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352401 HIP_ FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** C03	Cust: R 215 JRef: 1WWQ2150002 T24 DrwNo: 188.20.0917.55173 / YK 07/06/2020



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.363	M	981	240
VERT(CL): 0.797	M	447	180
HORZ(LL): -0.133	H	-	-
HORZ(TL): 0.307	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.688
Max BC CSI: 0.772
Max Web CSI: 0.432

VIEW Ver: 19.02.02B.0122.15

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1813	/-	/-	/826	/69	/196
J	1780	/-	/-	/713	/50	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
J Brg Width = 4.0 Min Req = 1.5
Bearings B & J are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	520	-3095	F - G	426	-136
C - D	492	-2971	G - H	484	-2587
D - E	220	-713	H - I	473	-3067
E - F	567	-144	I - J	607	-3580

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - P	2704	-403	M - L	3214	-495
P - O	2710	-403	L - K	3214	-495
O - N	2710	-403	K - J	3207	-496
N - M	2546	-289			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
N - D	1077	-71	R - F	811	-93
D - Q	325	-1977	R - G	458	-3139
Q - R	331	-2015	H - M	820	-19
E - R	120	-1024	M - I	220	-838

Lumber

Top chord: 2x4 SP #2; T4 2x6 SP 2400f-2.0E;
Bot chord: 2x6 SP 2400f-2.0E; B3 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.

Loading

Attic room loading from 11-9-4 to 21-9-4: Live Load: 30 PSF. Dead Load: 10 PSF Ceiling: 5 PSF, Kneewalls: 5 PSF

Truss designed for sleeping room only. No waterbeds permitted. Provide information to contractor, architect, and bldg owner. Trusses to be visibly stamped to indicate 30.00 psf MAX LL.

Purlins

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

Wind

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

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

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

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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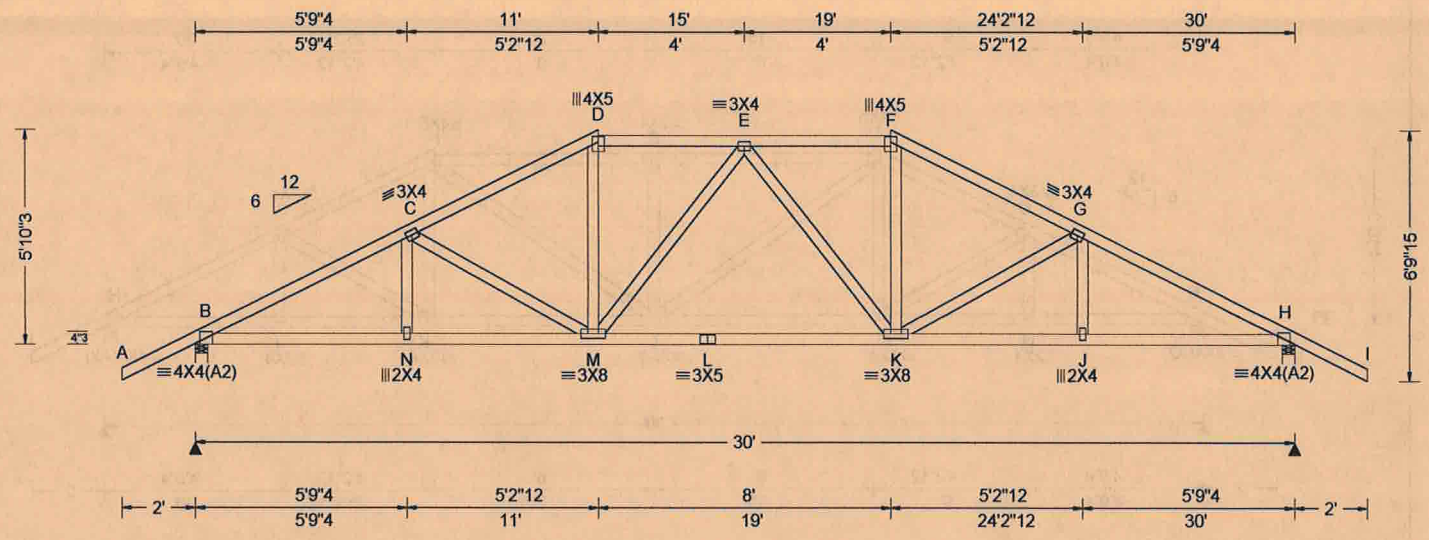
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352404 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** C04	Cust: R 215 JRef: 1WWQ2150002 T22 DrwNo: 188.20.0917.57343 / YK 07/06/2020	



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.104	E	999	240
VERT(CL): 0.210	E	999	180
HORZ(LL): 0.043	J	-	-
HORZ(TL): 0.088	J	-	-

Creep Factor: 2.0
Max TC CSI: 0.387
Max BC CSI: 0.739
Max Web CSI: 0.253

VIEW Ver: 19.02.02B.0122.15

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
B	1369 /-	/-	/822	/249	/190
H	1369 /-	/-	/822	/249	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.6
H Brg Width = 4.0 Min Req = 1.6
Bearings B & H are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	528	-2192	E - F	479	-1545
C - D	490	-1802	F - G	489	-1802
D - E	479	-1545	G - H	527	-2192

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - N	1889	-346	L - K	1650	-291
N - M	1888	-347	K - J	1888	-384
M - L	1650	-291	J - H	1889	-384

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - M	139	-386	F - K	497	-94
M - D	497	-94	K - G	138	-386

Lumber

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

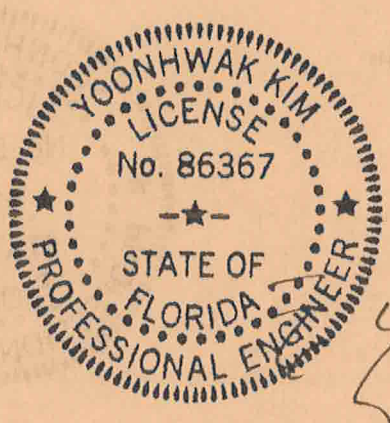
Wind

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

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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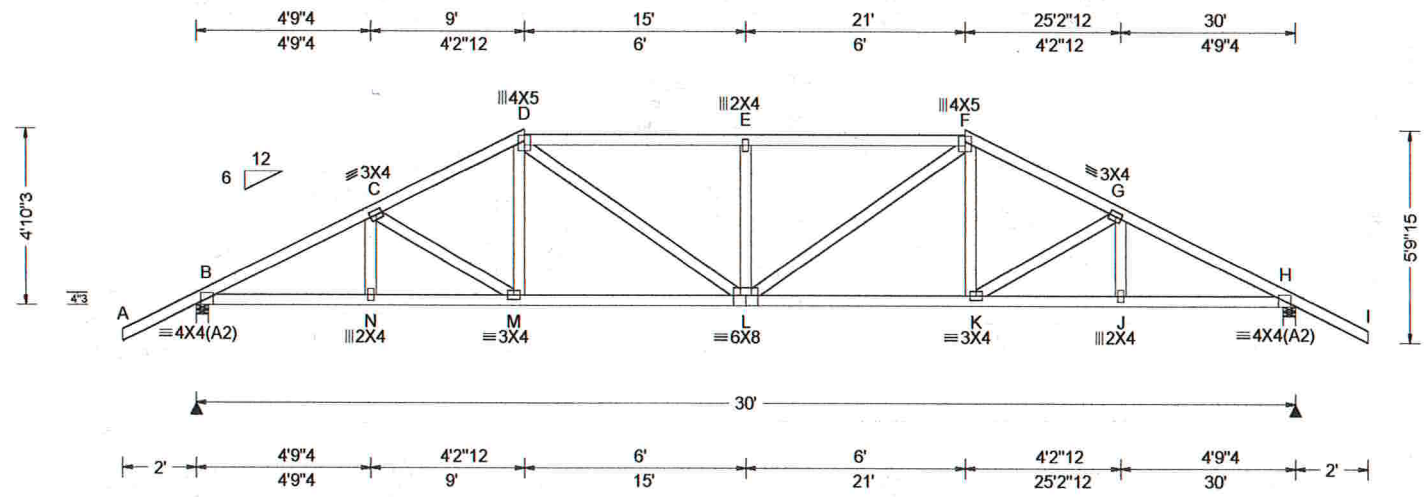
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352407 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** C05	Cust: R 215 JRef: 1WWQ2150002 T19 DrwNo: 188.20.0917.59330 / YK 07/06/2020



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.122	E	999	240
VERT(CL): 0.247	E	999	180
HORZ(LL): 0.043	J	-	-
HORZ(TL): 0.088	J	-	-

Creep Factor: 2.0
Max TC CSI: 0.426
Max BC CSI: 0.662
Max Web CSI: 0.183

VIEW Ver: 19.02.02B.0122.15

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1369	/-	/-	/815	/252	/164
H	1369	/-	/-	/815	/252	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.6
H Brg Width = 4.0 Min Req = 1.6
Bearings B & H are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	550	-2206	E - F	598	-2089
C - D	537	-1957	F - G	537	-1957
D - E	598	-2089	G - H	549	-2206

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - N	1906	-373	L - K	1703	-332
N - M	1905	-374	K - J	1905	-412
M - L	1703	-298	J - H	1906	-411

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - L	479	-142	L - F	479	-142
E - L	169	-447			

Lumber

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

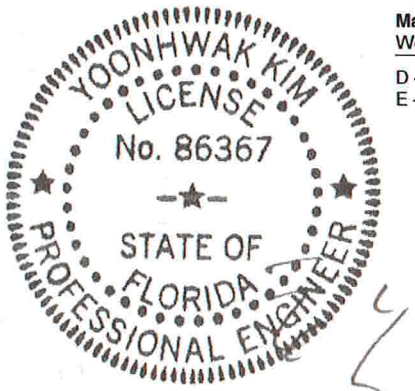
Wind

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

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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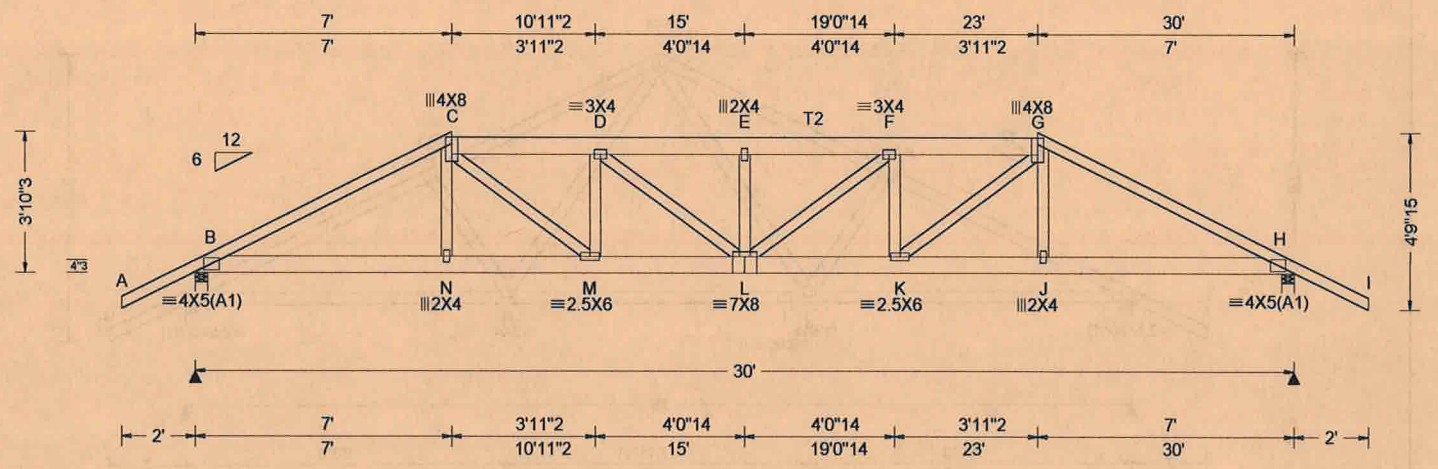
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352410 HIPS FROM: CDM	Ply: 2 Qty: 1	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** C06	Cust: R 215 JRef:1WWQ2150002 T35 DrwNo: 188.20.0918.03080 / YK 07/06/2020	

2 Complete Trusses Required



Loading Criteria (psf)
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 Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.125	E	999	240
VERT(CL): 0.250	E	999	180
HORZ(LL): 0.029	J	-	-
HORZ(TL): 0.057	J	-	-

Creep Factor: 2.0
Max TC CSI: 0.412
Max BC CSI: 0.209
Max Web CSI: 0.397

VIEW Ver: 19.02.02B.0122.15

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	2799	/-	/-	/-	/616	/-
H	2799	/-	/-	/-	/616	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
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	592	-2723	E - F	740	-3462
C - D	684	-3186	F - G	684	-3186
D - E	740	-3462	G - H	592	-2723

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - N	2412	-517	L - K	3227	-695
N - M	2401	-517	K - J	2401	-517
M - L	3227	-695	J - H	2412	-517

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - M	1041	-220	F - K	148	-516
M - D	148	-516	K - G	1041	-220

Lumber

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

Nailnote

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.

Special Loads

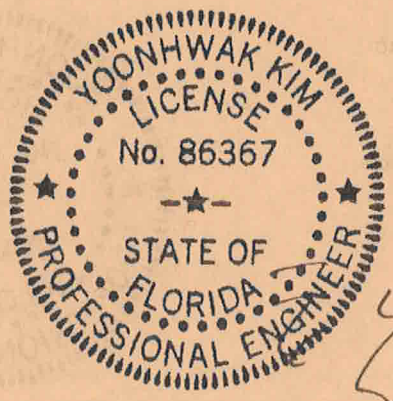
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 62 plf at -2.00 to 62 plf at 7.00
TC: From 31 plf at 7.00 to 31 plf at 23.00
TC: From 62 plf at 23.00 to 62 plf at 32.00
BC: From 4 plf at -2.00 to 4 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 7.03
BC: From 10 plf at 7.03 to 10 plf at 22.97
BC: From 20 plf at 22.97 to 20 plf at 30.00
BC: From 4 plf at 30.00 to 4 plf at 32.00
TC: 257 lb Conc. Load at 7.03,22.97
TC: 182 lb Conc. Load at 9.06,11.06,13.06,15.00 16.94,18.94,20.94
BC: 419 lb Conc. Load at 7.03,22.97
BC: 127 lb Conc. Load at 9.06,11.06,13.06,15.00 16.94,18.94,20.94

Wind

Wind loads and reactions based on MWFRS.
Uplifts based on an elevation at or above 1000 ft.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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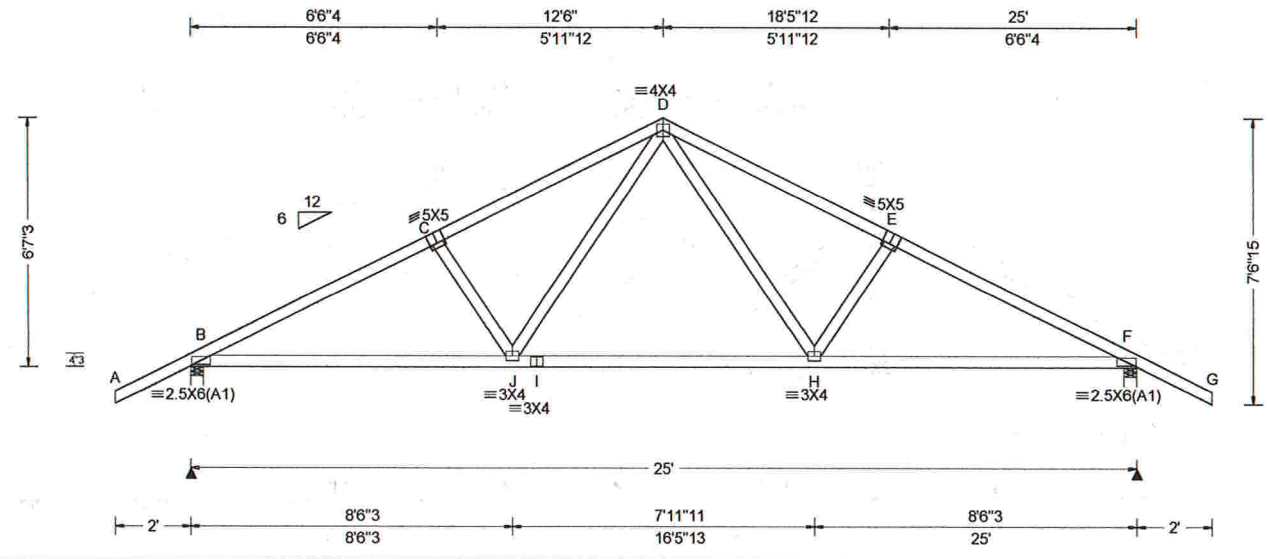
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352413 COMN FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** D01	Cust: R 215 JRef: 1WWQ2150002 T9 DrwNo: 188.20.0918.05143 / YK 07/06/2020	



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.076	H	999	240
VERT(CL): 0.145	H	999	180
HORZ(LL): 0.029	H	-	-
HORZ(TL): 0.056	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.369
Max BC CSI: 0.808
Max Web CSI: 0.233

VIEW Ver: 19.02.02B.0122.15

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1222	/-	/-	/707	/210	/209
F	1222	/-	/-	/707	/210	/-

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	373	-1860	D - E	387	-1661
C - D	387	-1660	E - F	372	-1861

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - J	1589	-202	I - H	1083	-89
J - I	1083	-89	H - F	1589	-240

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
J - D	611	-127	D - H	612	-127

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.

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

The overall height of this truss excluding overhang is 6-7-3.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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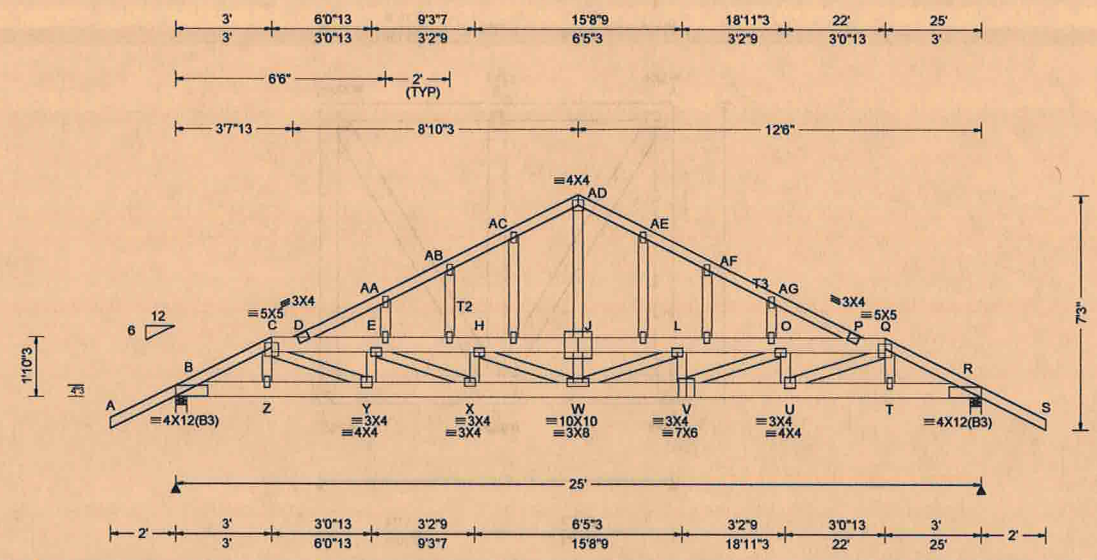
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352420 GABL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** D02	Cust: R 215 JRef: 1WWQ2150002 T17 DrwNo: 188.20.0918.08210 / YK 07/06/2020	



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.146 L	999	240
VERT(CL):	0.303 L	977	180
HORZ(LL):	0.037 T	-	-
HORZ(TL):	0.077 T	-	-

Creep Factor: 2.0
Max TC CSI: 0.455
Max BC CSI: 0.353
Max Web CSI: 0.544

VIEW Ver: 19.02.02B.0122.15

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	2298	/-	/-	/-	/403	/-
R	2327	/-	/-	/-	/403	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.6
R Brg Width = 4.0 Min Req = 1.6
Bearings B & R are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	672	-4101	J - L	199	-1334
C - D	746	-4903	L - O	360	-2443
D - E	450	-2844	O - P	450	-2896
E - H	359	-2402	P - Q	746	-4955
H - J	199	-1334	Q - R	672	-4151

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - Z	3658	-594	W - V	4450	-650
Z - Y	3661	-595	V - U	5097	-766
Y - X	5043	-767	U - T	3703	-595
X - W	4411	-649	T - R	3700	-594

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - Y	1417	-173	W - L	168	-1143
D -AA	361	-2492	AD-AE	337	-2334
Y - E	75	-522	AE-AF	345	-2389
E - X	120	-624	V - O	119	-638
AA-AB	349	-2408	AF-AG	349	-2411
AB-AC	345	-2388	AG- P	361	-2496
H - W	168	-1100	O - U	76	-531
AC-AD	337	-2333	U - Q	1428	-173
J - W	1197	-159			

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.
AD- J	1504	-205

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

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

TC: From	62 plf at	-2.00 to	62 plf at	3.00
TC: From	31 plf at	3.00 to	31 plf at	22.00
TC: From	62 plf at	22.00 to	62 plf at	27.00
BC: From	4 plf at	-2.00 to	4 plf at	0.00
BC: From	22 plf at	0.00 to	22 plf at	3.03
BC: From	11 plf at	3.03 to	11 plf at	21.35
BC: From	10 plf at	21.35 to	10 plf at	21.97
BC: From	20 plf at	21.97 to	20 plf at	25.00
BC: From	4 plf at	25.00 to	4 plf at	27.00

TC: 82 lb Conc. Load at 3.03,21.97
TC: 49 lb Conc. Load at 5.06, 7.06, 9.06,11.06 12.50,13.94,15.94,17.94,19.94
BC: 108 lb Conc. Load at 3.03,21.97
BC: 45 lb Conc. Load at 5.06, 7.06, 9.06,11.06 12.50,13.94,15.94,17.94,19.94

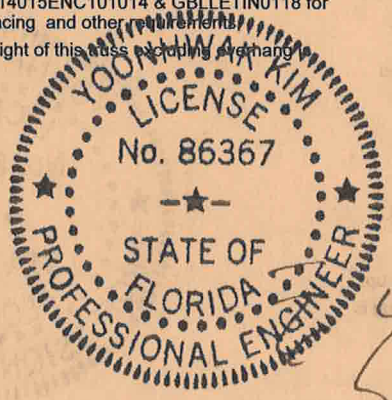
Plating Notes
All plates are 2X4 except as noted.

Loading
Truss designed to support 1-4-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins
Laterally brace TC below filler at 24" oc.

Wind
Wind loads and reactions based on MWFRS.
Uplifts based on an elevation at or above 1000 ft.

Additional Notes
See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.
The overall height of this truss, including overhang, is 7-3-3.



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07/06/2020

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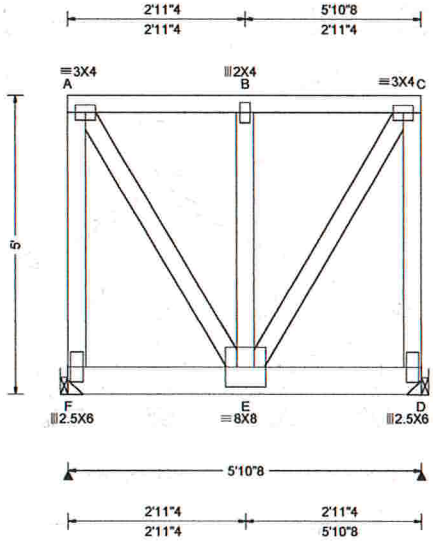
SEQN: 352345 FLAT FROM: CDM Page 1 of 2	Ply: 1 Qty: 1	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** FT1	Cust: R 215 JRef: 1WWQ2150002 T18 DrwNo: 188.20.0918.13433 / YK 07/06/2020



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.008	B	999	240
VERT(CL): 0.015	B	999	180
HORZ(LL): 0.001	A	-	-
HORZ(TL): 0.002	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.065
Max BC CSI: 0.151
Max Web CSI: 0.275

VIEW Ver: 19.02.02B.0122.15

▲ Maximum Reactions (lbs)

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	818	/-	/-	/-	/97	/-
D	818	/-	/-	/-	/97	/-

Wind reactions based on MWFRS
F Brg Width = - Min Req = -
D Brg Width = - Min Req = -
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	44	-387	B - C	44	-387

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - F	85	-648	E - C	722	-83
A - E	722	-83	C - D	85	-648

Lumber

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

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 30 plf at 0.00 to 30 plf at 5.88
BC: From 10 plf at 0.00 to 10 plf at 5.88
BC: 701 lb Conc. Load at 1.94, 3.94

Purlins

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

Wind

Wind loads and reactions based on MWFRS.

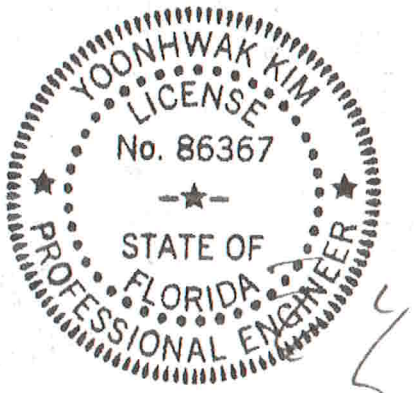
End verticals not exposed to wind pressure.

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

Truss must be installed as shown with top chord up.

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



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

SEQN: 352345 FLAT FROM: CDM Page 2 of 2	Ply: 1 Qty: 1	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** FT1	Cust: R 215 JRef: 1WWQ2150002 T18 DrwNo: 188.20.0918.13433 / YK 07/06/2020

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=0' uses the following support conditions: 0'
Bearing F (0', 9') HUS26
Supporting Member: (2)2x6 SP 2400f-2.0E
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.
(J) Hanger Support Required, by others

YOONHWAK KIM
LICENSE
No. 86367
STATE OF FLORIDA
PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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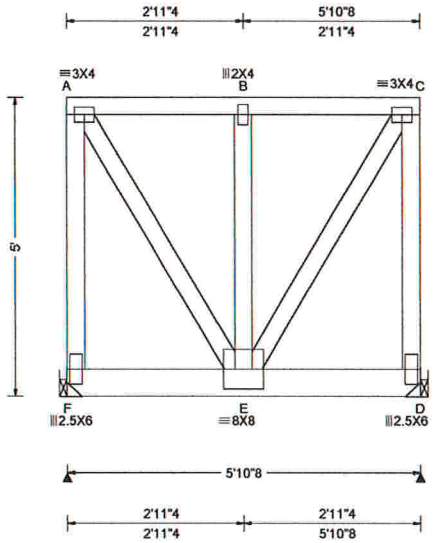
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352342 FLAT FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** FT2	Cust: R 215 JRef: 1WWQ2150002 T20 DrwNo: 188.20.0918.16230 / YK 07/06/2020



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.009	B	999	240
VERT(CL): 0.018	B	999	180
HORZ(LL): 0.001	A	-	-
HORZ(TL): 0.002	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.068
Max BC CSI: 0.179
Max Web CSI: 0.323

VIEW Ver: 19.02.02B.0122.15

▲ Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
F	956 / -	/ -	/ -	/128	/ -
D	956 / -	/ -	/ -	/128	/ -

Wind reactions based on MWFRS
F Brg Width = - Min Req = -
D Brg Width = - Min Req = -
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	60	-455	B - C	60	-455

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - F	109	-755	E - C	848	-111
A - E	848	-111	C - D	109	-755

Lumber

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

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 30 plf at 0.00 to 30 plf at 5.88
BC: From 10 plf at 0.00 to 10 plf at 5.88
BC: 838 lb Conc. Load at 1.94, 3.94

Hangers / Ties

(J) Hanger Support Required, by others

Purlins

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

Wind

Wind loads and reactions based on MWFRS.

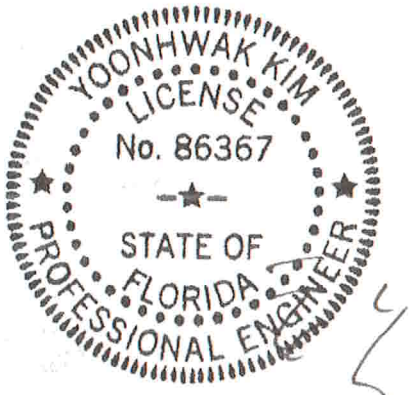
End verticals not exposed to wind pressure.

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

Truss must be installed as shown with top chord up.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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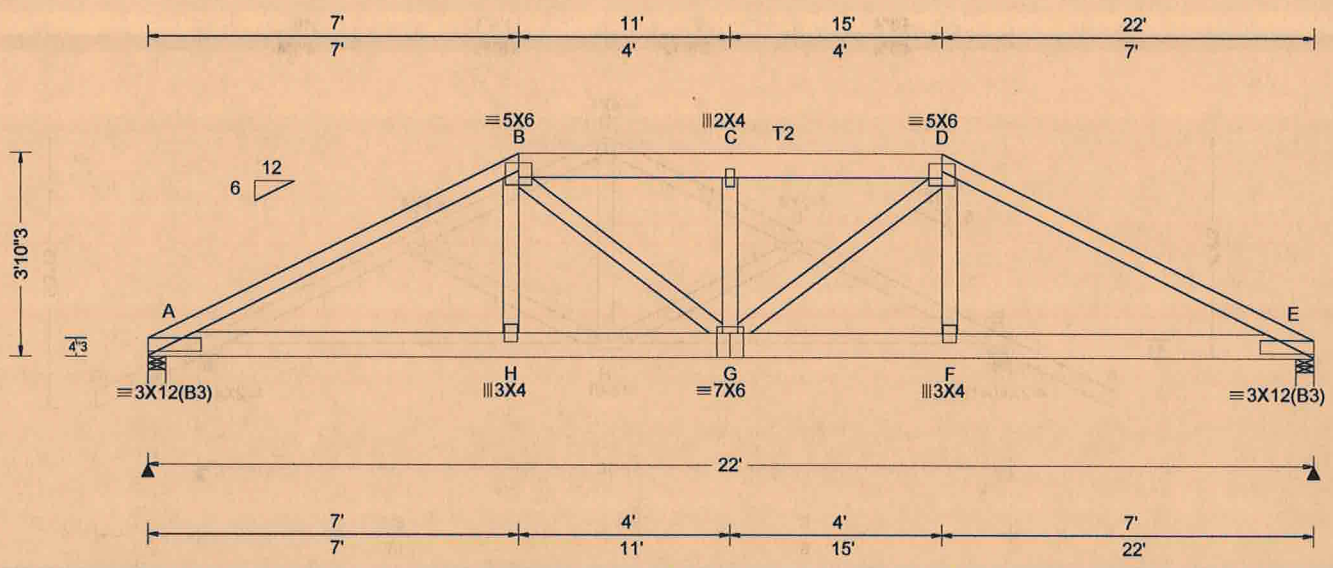
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352423 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** G01	Cust: R215 JRef: 1WWQ2150002 T4 DrwNo: 188.20.0918.28990 / YK 07/06/2020	



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.099	C	999	240
VERT(CL): 0.200	C	999	180
HORZ(LL): 0.026	F	-	-
HORZ(TL): 0.052	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.810
Max BC CSI: 0.268
Max Web CSI: 0.242

VIEW Ver: 19.02.02B.0122.15

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1882	/-	/-	/-	/405	/-
E	1882	/-	/-	/-	/405	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 Min Req = 1.6
E Brg Width = 4.0 Min Req = 1.6
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	833	-3704	C - D	819	-3707
B - C	819	-3707	D - E	833	-3704

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - H	3246	-717	G - F	3222	-715
H - G	3222	-715	F - E	3246	-717

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
H - B	575	-47	G - D	636	-135
B - G	636	-135	D - F	575	-47
C - G	179	-478			

Lumber

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

Special Loads

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

TC: From	62 plf at	0.00 to	62 plf at	7.00
TC: From	31 plf at	7.00 to	31 plf at	15.00
TC: From	62 plf at	15.00 to	62 plf at	22.00
BC: From	20 plf at	0.00 to	20 plf at	7.03
BC: From	10 plf at	7.03 to	10 plf at	14.97
BC: From	20 plf at	14.97 to	20 plf at	22.00

TC: 257 lb Conc. Load at 7.03,14.97
TC: 182 lb Conc. Load at 9.06,11.00,12.94
BC: 419 lb Conc. Load at 7.03,14.97
BC: 127 lb Conc. Load at 9.06,11.00,12.94

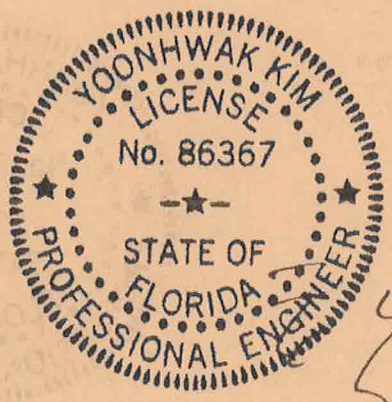
Wind

Wind loads and reactions based on MWFRS.

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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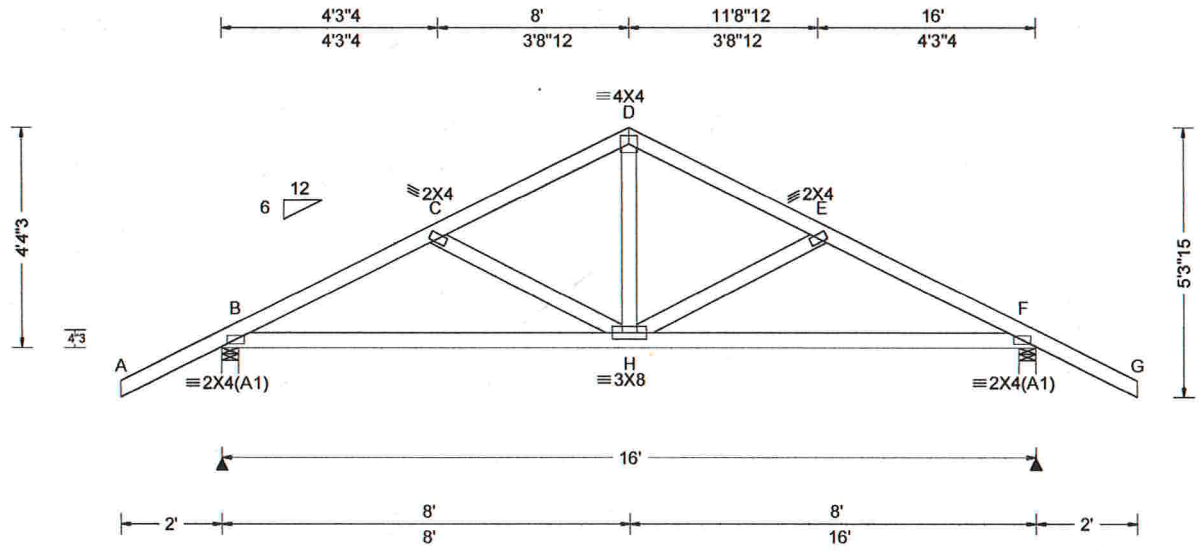
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352210 COMN FROM: CDM	Ply: 1 Qty: 4	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** H01	Cust: R 215 JRef: 1WWQ2150002 T14 DrwNo: 188.20.0918.31540 / YK 07/06/2020



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.025	H	999	240
VERT(CL): 0.050	H	999	180
HORZ(LL): 0.011	H	-	-
HORZ(TL): 0.021	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.422
Max BC CSI: 0.617
Max Web CSI: 0.169

VIEW Ver: 19.02.02B.0122.15

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	793	/-	/-	/496	/146	/152
F	793	/-	/-	/496	/146	/-

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	477	-992	D - E	395	-755
C - D	395	-755	E - F	476	-992

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - H	837	-295	H - F	837	-316

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
D - H	445	-130

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.

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

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

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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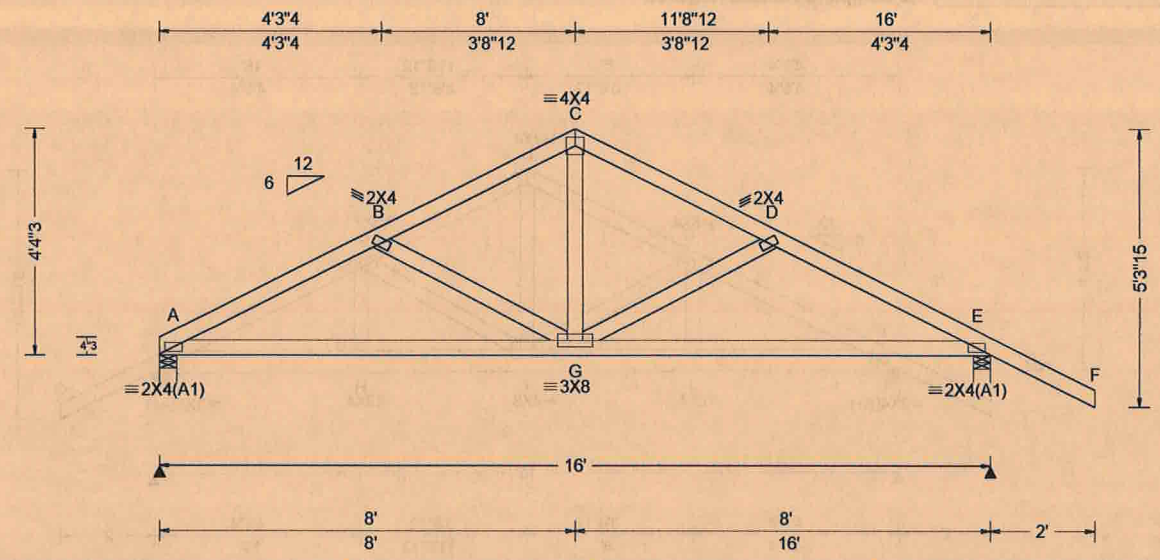
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352218 COMN FROM: CDM	Ply: 1 Qty: 6	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** H02	Cust: R 215 JRef: 1WWQ2150002 T15 DrwNo: 188.20.0918.32970 / YK 07/06/2020



Loading Criteria (psf)
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 Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.025	G	999	240
VERT(CL): 0.050	G	999	180
HORZ(LL): 0.011	G	-	-
HORZ(TL): 0.021	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.347
Max BC CSI: 0.635
Max Web CSI: 0.174

VIEW Ver: 19.02.02B.0122.15

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	649	/-	/-	/379	/108	/133
E	802	/-	/-	/496	/149	/-

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	299	- 1043	C - D	226	- 779
B - C	243	- 782	D - E	277	- 1016

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - G	895	- 181	G - E	857	- 172

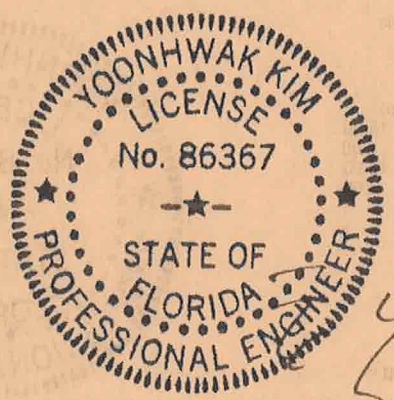
Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
C - G	457	- 100

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

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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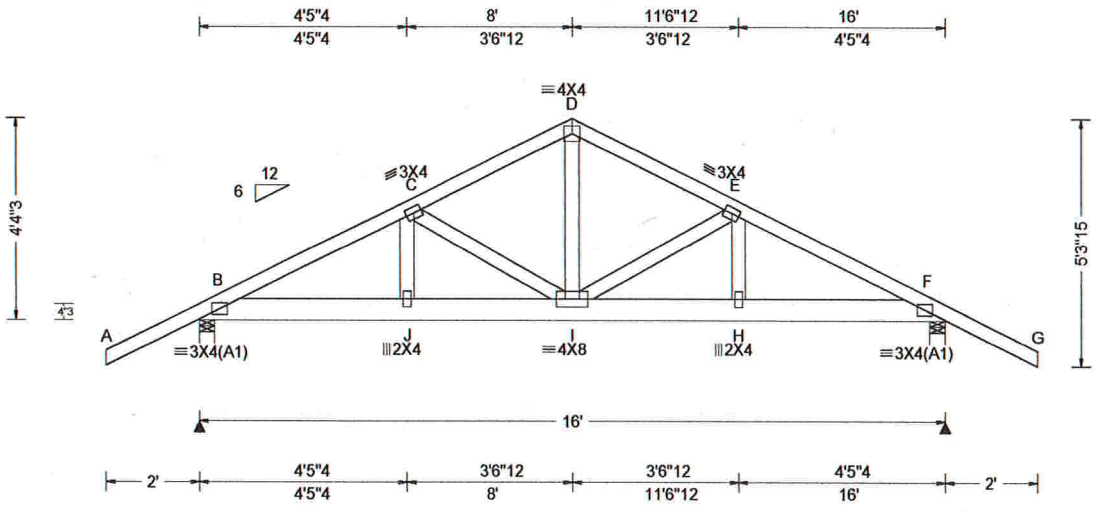
Suite 305
Orlando FL, 32821

SEQN: 352476 COMN FROM: CDM	Ply: 2 Qty: 1	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** H03	Cust: R 215 JRef: 1WWQ2150002 T6 DrwNo: 188.20.0918.42220 / YK 07/06/2020

2 Complete Trusses Required



Loading Criteria (psf)
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 Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.033	I	999	240
VERT(CL): 0.066	I	999	180
HORZ(LL): 0.007	C	-	-
HORZ(TL): 0.015	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.218
Max BC CSI: 0.100
Max Web CSI: 0.397

VIEW Ver: 19.02.02B.0122.15

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1651	/-	/-	/-	/360	/-
F	1651	/-	/-	/-	/360	/-

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	296	-1426	D - E	283	-1318
C - D	283	-1318	E - F	296	-1426

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - J	1251	-255	I - H	1251	-256
J - I	1251	-256	H - F	1251	-255

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
D - I	1043	-202

Lumber

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

Nailnote

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.

Special Loads

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

TC: From	62 plf at	-2.00 to	62 plf at	18.00
BC: From	4 plf at	-2.00 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	16.00
BC: From	4 plf at	16.00 to	4 plf at	18.00

BC: 1718 lb Conc. Load at 8.00

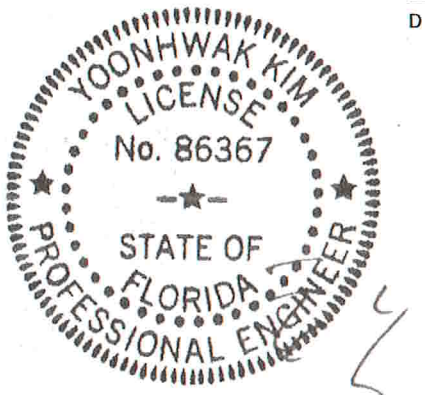
Wind

Wind loads and reactions based on MWFRS.

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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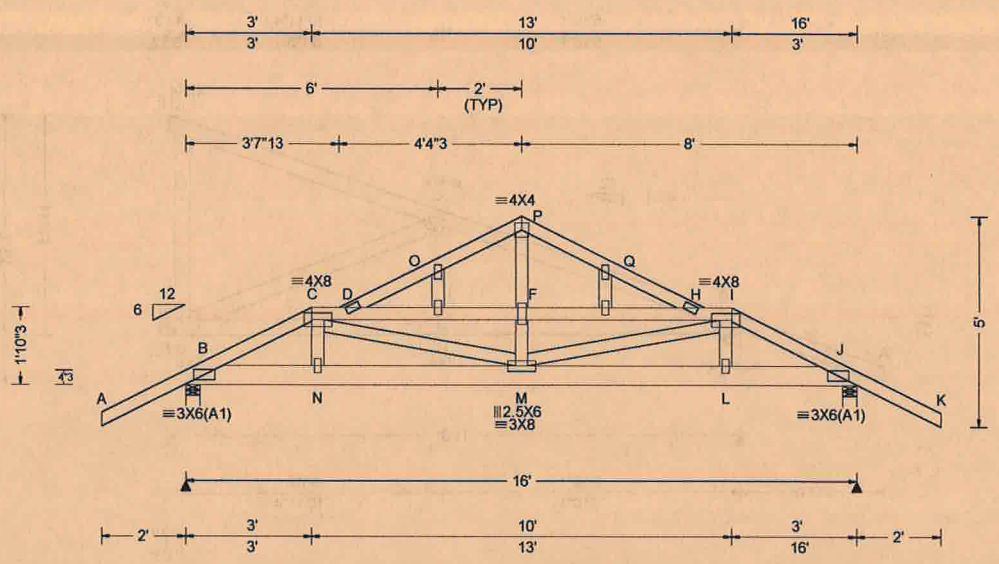
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352426 GABL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** H04		Cust: R215 JRef: 1WWQ2150002 T30 DrwNo: 188.20.0918.47157 / YK 07/06/2020



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.107	E	999	240
VERT(CL): 0.211	E	894	180
HORZ(LL): 0.014	C	-	-
HORZ(TL): 0.029	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.717
Max BC CSI: 0.199
Max Web CSI: 0.217

VIEW Ver: 19.02.02B.0122.15

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
B	1473 /-	/-	/-	/297	/-
J	1470 /-	/-	/-	/297	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
J Brg Width = 4.0 Min Req = 1.5
Bearings B & J are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	449	-2367	F - H	347	-1983
C - D	455	-2656	H - I	455	-2656
D - F	347	-1983	I - J	449	-2364

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - N	2097	-392	M - L	2104	-392
N - M	2108	-392	L - J	2095	-392

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - M	565	-64	M - I	569	-64
D - O	136	-846	P - Q	119	-745
O - P	119	-745	Q - H	136	-846

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

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

TC: From	62 plf at	-2.00 to	62 plf at	3.00
TC: From	31 plf at	3.00 to	31 plf at	13.00
TC: From	62 plf at	13.00 to	62 plf at	18.00
BC: From	4 plf at	-2.00 to	4 plf at	0.00
BC: From	22 plf at	0.00 to	22 plf at	3.03
BC: From	11 plf at	3.03 to	11 plf at	12.35
BC: From	10 plf at	12.35 to	10 plf at	12.97
BC: From	20 plf at	12.97 to	20 plf at	16.00
BC: From	4 plf at	16.00 to	4 plf at	18.00

TC: 82 lb Conc. Load at 3.03,12.97
TC: 49 lb Conc. Load at 5.06, 7.06, 8.94,10.94
BC: 108 lb Conc. Load at 3.03,12.97
BC: 45 lb Conc. Load at 5.06, 7.06, 8.94,10.94

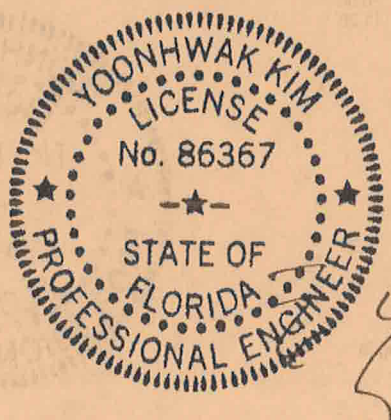
Plating Notes
All plates are 2X4 except as noted.

Loading
Truss designed to support 1-4-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins
Laterally brace TC below filler at 24" oc.

Wind
Wind loads and reactions based on MWFRS.
Uplifts based on an elevation at or above 1000 ft.

Additional Notes
See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.
The overall height of this truss excluding overhang is 1-10-3.



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07/06/2020

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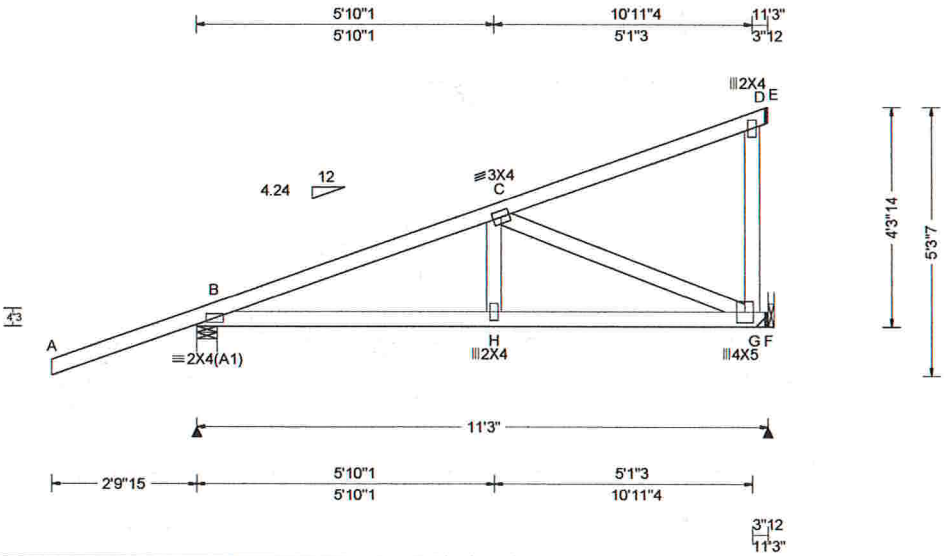
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352462 HIP_ FROM: CDM Page 1 of 2	Ply: 1 Qty: 2	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** HJ1	Cust: R 215 JRef: 1WWQ2150002 T43 DrwNo: 188.20.0918.55780 / YK 07/06/2020



Loading Criteria (psf)
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 Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.032	H	999	240
VERT(CL): 0.061	H	999	180
HORZ(LL): 0.007	G	-	-
HORZ(TL): 0.013	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.926
Max BC CSI: 0.458
Max Web CSI: 0.574

VIEW Ver: 19.02.02B.0122.15

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
B	433 /-	/-	/-	/306	/-
F	859 /-	/-	/-	/198	/-

Wind reactions based on MWFRS
B Brg Width = 4.9 Min Req = 1.5
F Brg Width = - Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - C	360	-983

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - H	946	-282	H - G	932	-280

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
C - G	299	-982

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

Special Loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From -0 plf at -2.89 to 61 plf at -0.06
TC: From 2 plf at -0.06 to 2 plf at 11.25
BC: From 0 plf at -2.89 to 4 plf at -0.06
BC: From 2 plf at -0.06 to 2 plf at 11.25
TC: -88 lb Conc. Load at 1.32
TC: 97 lb Conc. Load at 4.14
TC: 239 lb Conc. Load at 6.97
TC: 363 lb Conc. Load at 9.80
BC: 90 lb Conc. Load at 4.14
BC: 173 lb Conc. Load at 6.97
BC: 253 lb Conc. Load at 9.80

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

Additional Notes
The overall height of this truss excluding overhang is 4-3-14.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352462 HIP_ FROM: CDM Page 2 of 2	Ply: 1 Qty: 2	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** HJ1	Cust: R215 JRef: 1WWQ2150002 T43 DrwNo: 188.20.0918.55780 / YK 07/06/2020

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=11'0"12 uses the following support conditions: 11'0"12
Bearing G (11'0"12, 9') THJA26
Supporting Member: (2)2x6 SP 2400f-2.0E
(20) 0.162"x3.5" nails into supporting member,
(12) 0.148"x1.5" nails into supported member.

YOONHWAK KIM
LICENSE
No. 86367
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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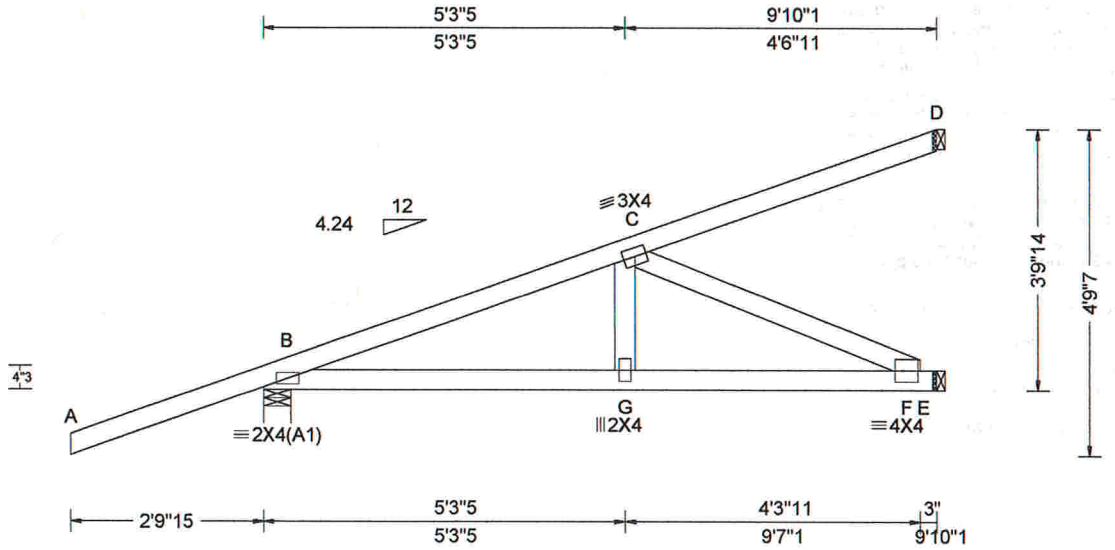
Suite 305
Orlando FL, 32821

SEQN: 352255 HIP_ FROM: CDM	Ply: 1 Qty: 4	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** HJ2	Cust: R 215 JRef: 1WWQ2150002 T37 DrwNo: 188.20.0919.02173 / YK 07/06/2020



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.021	G	999	240
VERT(CL): 0.039	G	999	180
HORZ(LL): -0.008	G	-	-
HORZ(TL): 0.009	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.552
Max BC CSI: 0.611
Max Web CSI: 0.274

VIEW Ver: 19.02.02B.0122.15

▲ Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
B	389 /-	/-	/-	/340	/-
E	292 /-	/-	/-	/96	/-
D	75 /-	/-	/-	/12	/-

Wind reactions based on MWFRS
B Brg Width = 4.9 Min Req = 1.5
E Brg Width = 1.5 Min Req = -
D Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - C	323	-570

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - G	553	-250	G - F	542	-248

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
C - F	273	-597

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

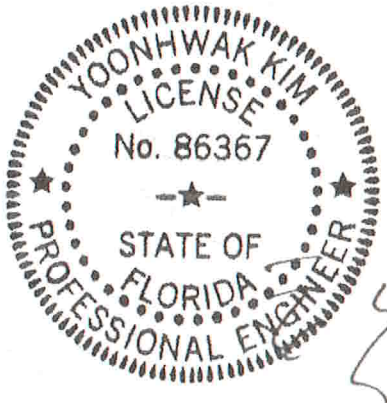
Special Loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	-0 plf at	-2.83 to	61 plf at	0.00
TC: From	2 plf at	0.00 to	2 plf at	9.84
BC: From	0 plf at	-2.83 to	4 plf at	0.00
BC: From	2 plf at	0.00 to	2 plf at	9.84

TC: -88 lb Conc. Load at 1.38
TC: 97 lb Conc. Load at 4.21
TC: 239 lb Conc. Load at 7.03
BC: -11 lb Conc. Load at 1.38
BC: 90 lb Conc. Load at 4.21
BC: 173 lb Conc. Load at 7.03

Wind
Wind loads and reactions based on MWFRS.
Uplifts based on an elevation at or above 1000 ft.

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



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07/06/2020

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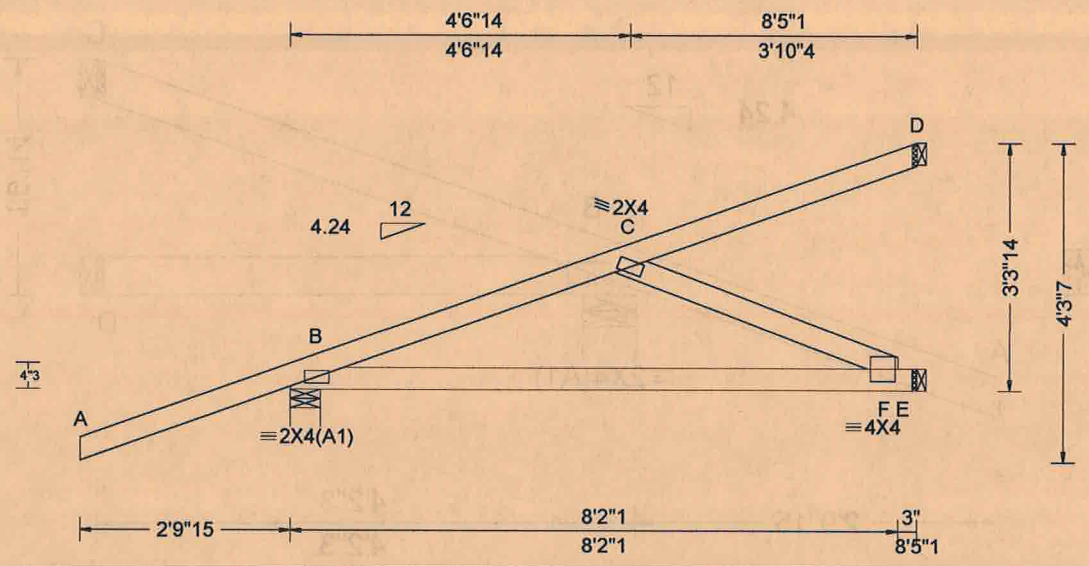
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352253 HIP_ FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** HJ3		Cust: R215 JRef: 1WWQ2150002 T33 DrwNo: 188.20.0919.03687 / YK 07/06/2020



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): -0.024	F	999	240
VERT(CL): 0.038	F	999	180
HORZ(LL): -0.010	F	-	-
HORZ(TL): 0.015	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.510
Max BC CSI: 0.778
Max Web CSI: 0.109

VIEW Ver: 19.02.02B.0122.15

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
B	348 /-	/-	/-	/321	/-
E	284 /-	/-	/-	/94	/-
D	139 /-	/-	/-	/36	/-

Wind reactions based on MWFRS
B Brg Width = 4.9 Min Req = 1.5
E Brg Width = 1.5 Min Req = -
D Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Special Loads

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

TC: From	0 plf at	-2.83 to	61 plf at	0.00
TC: From	2 plf at	0.00 to	2 plf at	8.42
BC: From	0 plf at	-2.83 to	4 plf at	0.00
BC: From	2 plf at	0.00 to	2 plf at	8.42

TC: -88 lb Conc. Load at 1.38
TC: 97 lb Conc. Load at 4.21
TC: 239 lb Conc. Load at 7.03
BC: -11 lb Conc. Load at 1.38
BC: 90 lb Conc. Load at 4.21
BC: 173 lb Conc. Load at 7.03

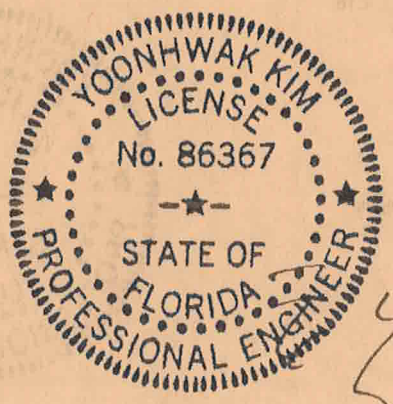
Wind

Wind loads and reactions based on MWFRS.

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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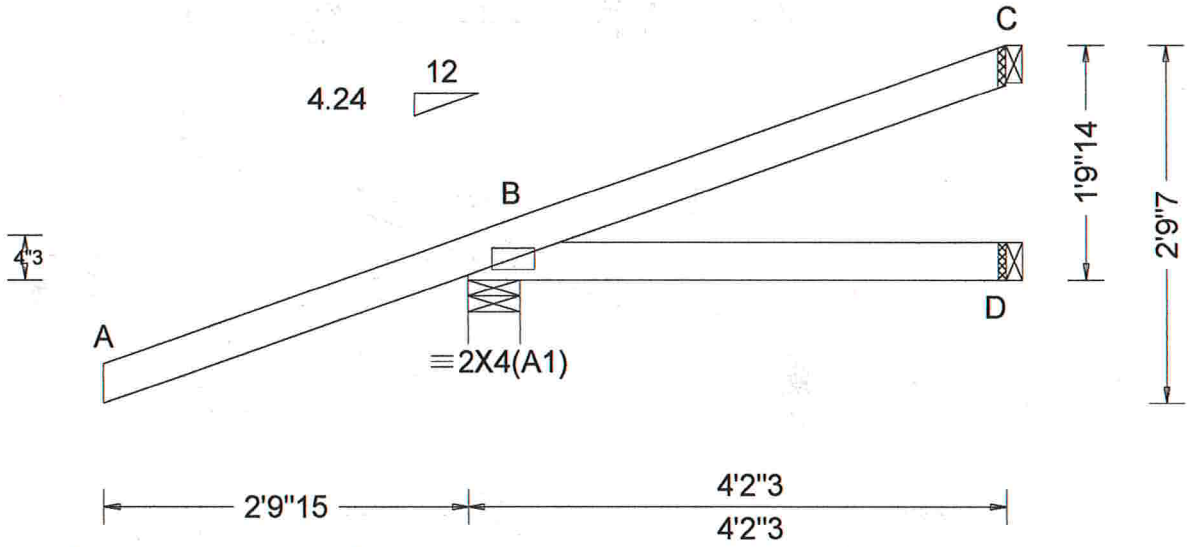
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352256 HIP_ FROM: CDM	Ply: 1 Qty: 4	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** HJ4	Cust: R 215 JRef: 1WWQ2150002 T5 DrwNo: 188.20.0919.05530 / YK 07/06/2020



Loading Criteria (psf)
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 Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): NA
VERT(CL): NA
HORZ(LL): -0.007 D - -
HORZ(TL): 0.007 D - -
Creep Factor: 2.0
Max TC CSI: 0.257
Max BC CSI: 0.207
Max Web CSI: 0.000

VIEW Ver: 19.02.02B.0122.15

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	232	/-	/-	/-	/242	/-
D	63	/-19	/-	/-	/32	/-
C	33	/-28	/-	/-	/43	/-

Wind reactions based on MWFRS
B Brg Width = 4.9 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Special Loads

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

TC: From	0 plf at	-2.83 to	61 plf at	0.00
TC: From	2 plf at	0.00 to	2 plf at	4.18
BC: From	0 plf at	-2.83 to	4 plf at	0.00
BC: From	2 plf at	0.00 to	2 plf at	4.18

TC: -88 lb Conc. Load at 1.38
BC: -11 lb Conc. Load at 1.38

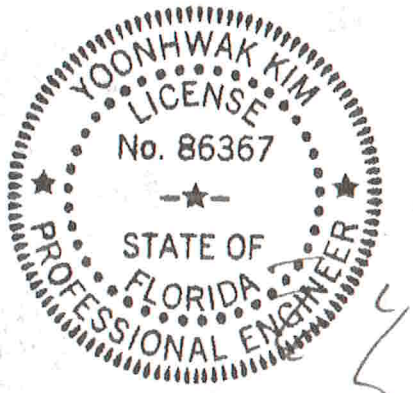
Wind

Wind loads and reactions based on MWFRS.

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

The overall height of this truss excluding overhang is 1-9-14.



FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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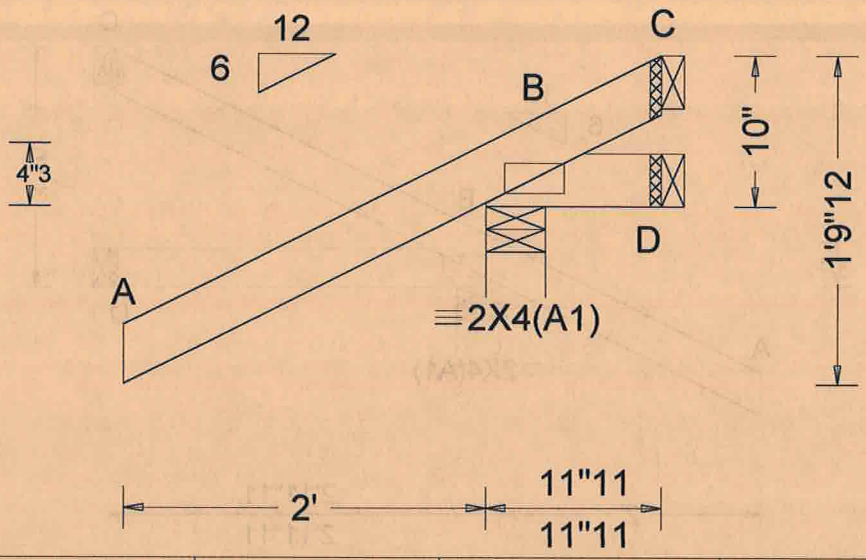
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352219 JACK FROM: CDM	Ply: 1 Qty: 24	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** J01		Cust: R215 JRef: 1WWQ2150002 T56 DrwNo: 188.20.0919.06903 / YK 07/06/2020



Loading Criteria (psf)
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 Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
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: 0.552
Max BC CSI: 0.070
Max Web CSI: 0.000

VIEW Ver: 19.02.02B.0122.15

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	366	/-	/-	/300	/116	/42
D	-	/-40	/-	/27	/38	/-
C	-	/-112	/-	/57	/107	/-

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;

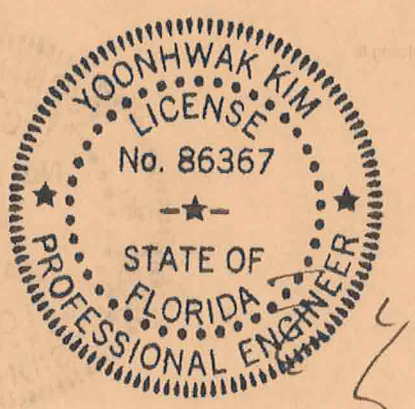
Wind

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

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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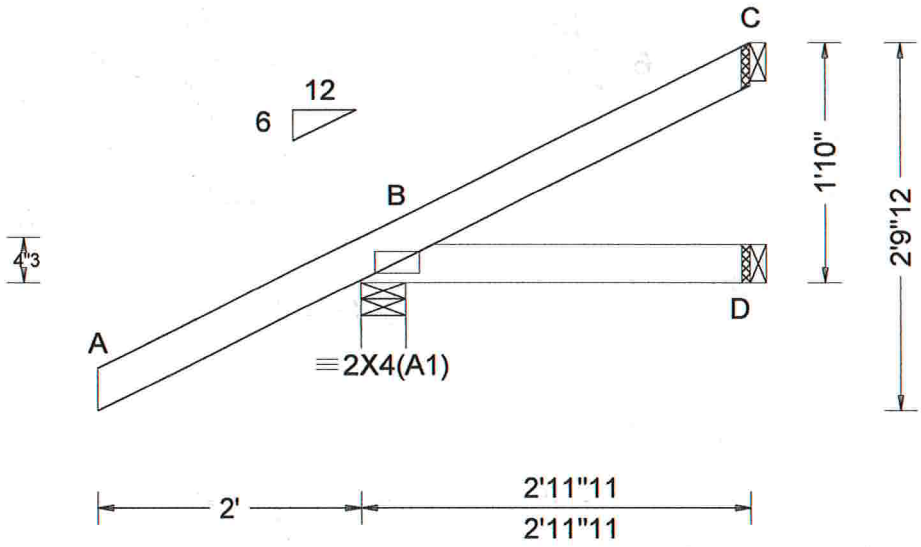
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352227 JACK FROM: CDM	Ply: 1 Qty: 15	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** J03	Cust: R 215 JRef: 1WWQ2150002 T55 DrwNo: 188.20.0919.08860 / YK 07/06/2020



Loading Criteria (psf)
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 Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): NA
VERT(CL): NA
HORZ(LL): 0.001 D - -
HORZ(TL): 0.002 D - -
Creep Factor: 2.0
Max TC CSI: 0.325
Max BC CSI: 0.093
Max Web CSI: 0.000

VIEW Ver: 19.02.02B.0122.15

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	317	/-	/-	/239	/60	/70
D	45	/-	/-	/41	/8	/-
C	48	/-	/-	/26	/20	/-

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.

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

The overall height of this truss excluding overhang is 1-10-0.

YOONHWAK KIM
LICENSE
No. 86367
STATE OF FLORIDA
PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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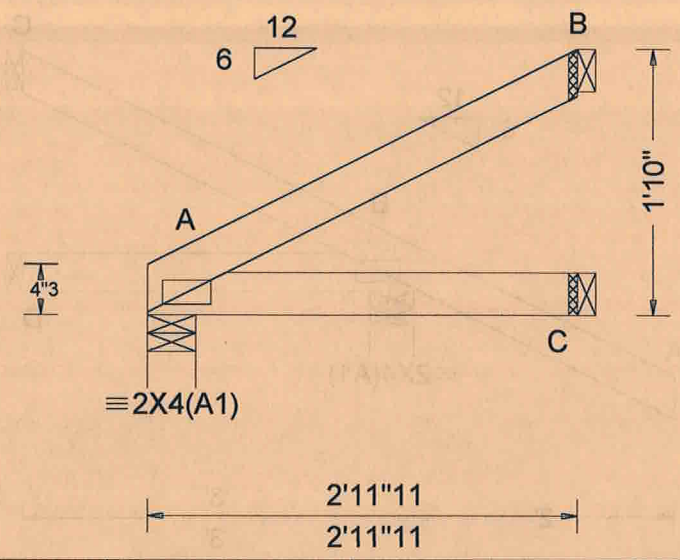
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352247 JACK FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** J03A		Cust: R 215 JRef: 1WWQ2150002 T26 DrwNo: 188.20.0919.10117 / YK 07/06/2020



Loading Criteria (psf)
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 Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): NA
VERT(CL): NA
HORZ(LL): 0.001 C - -
HORZ(TL): 0.003 C - -
Creep Factor: 2.0
Max TC CSI: 0.110
Max BC CSI: 0.087
Max Web CSI: 0.000

VIEW Ver: 19.02.02B.0122.15

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	129	/-	/-	/83	/-	/28
C	54	/-	/-	/39	/-	/-
B	80	/-	/-	/42	/15	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 Min Req = 1.5
C Brg Width = 1.5 Min Req = -
B Brg Width = 1.5 Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

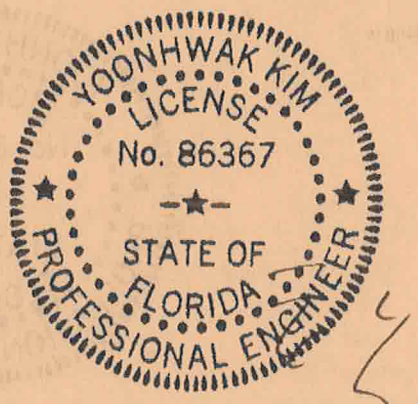
Wind

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

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

The overall height of this truss excluding overhang is 1-10-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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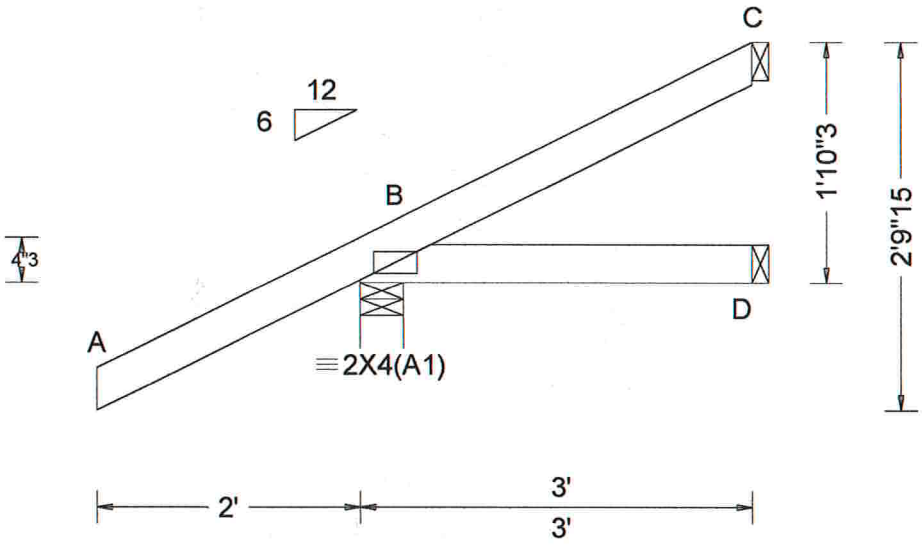
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352432 JACK FROM: CDM	Ply: 1 Qty: 17	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** J04	Cust: R 215 JRef: 1WWQ2150002 T11 DrwNo: 188.20.0919.11453 / YK 07/06/2020



Loading Criteria (psf)
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 Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): NA
VERT(CL): NA
HORZ(LL): 0.001 D - -
HORZ(TL): 0.002 D - -
Creep Factor: 2.0
Max TC CSI: 0.552
Max BC CSI: 0.121
Max Web CSI: 0.000

VIEW Ver: 19.02.02B.0122.15

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	317	/-	/-	/239	/60	/71
D	45	/-	/-	/41	/8	/-
C	49	/-	/-	/27	/20	/-

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;

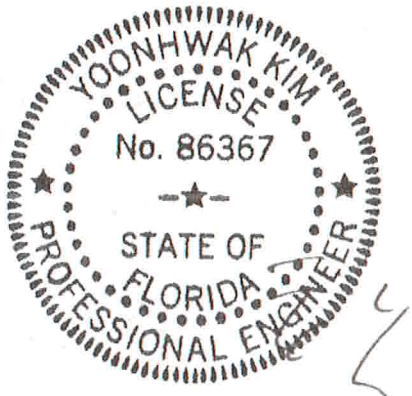
Wind

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

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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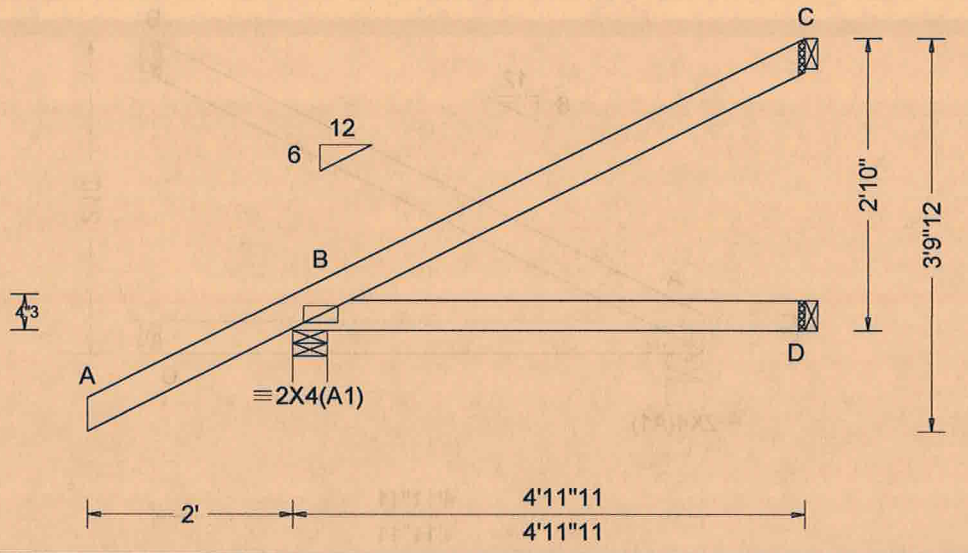
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352220 JACK FROM: CDM	Ply: 1 Qty: 15	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** J05		Cust: R 215 JRef: 1WWQ2150002 T54 DrwNo: 188.20.0919.12620 / YK 07/06/2020



Loading Criteria (psf)
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 Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): NA
VERT(CL): NA
HORZ(LL): 0.003 D - -
HORZ(TL): 0.006 D - -
Creep Factor: 2.0
Max TC CSI: 0.343
Max BC CSI: 0.231
Max Web CSI: 0.000

VIEW Ver: 19.02.02B.0122.15

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	376	/-	/-	/273	/60	/99
D	86	/-	/-	/64	/-	/-
C	119	/-	/-	/56	/46	/-

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;

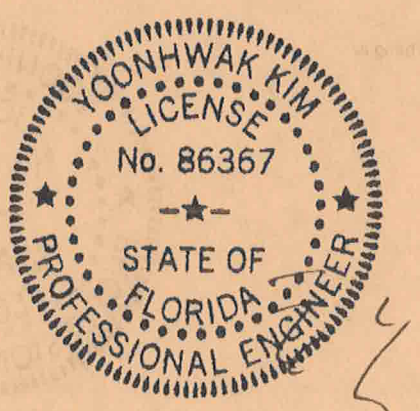
Wind

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

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

The overall height of this truss excluding overhang is 2-10-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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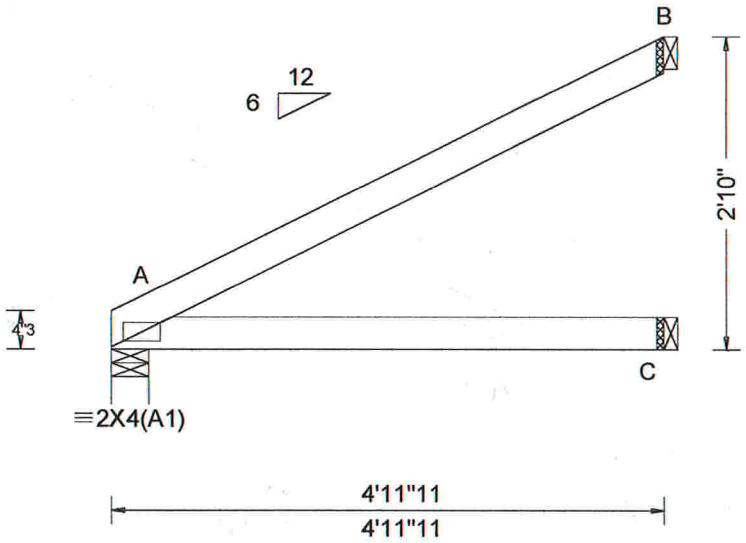
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352224 JACK FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** J05A	Cust: R 215 JRef: 1WWQ2150002 T25 DrwNo: 188.20.0919.14040 / YK 07/06/2020



Loading Criteria (psf)
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 Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): NA
VERT(CL): NA
HORZ(LL): 0.006 C - -
HORZ(TL): 0.012 C - -
Creep Factor: 2.0
Max TC CSI: 0.357
Max BC CSI: 0.263
Max Web CSI: 0.000

VIEW Ver: 19.02.02B.0122.15

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	211	/-	/-	/137	/-	/47
C	92	/-	/-	/67	/-	/-
B	137	/-	/-	/71	/26	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 Min Req = 1.5
C Brg Width = 1.5 Min Req = -
B Brg Width = 1.5 Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

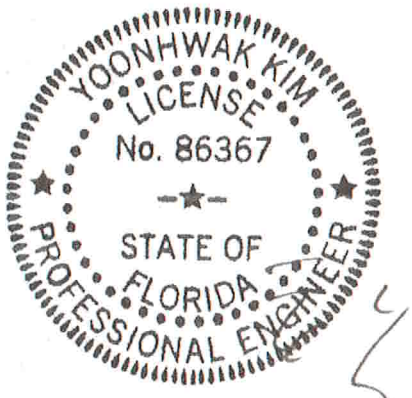
Wind

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

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

The overall height of this truss excluding overhang is 2-10-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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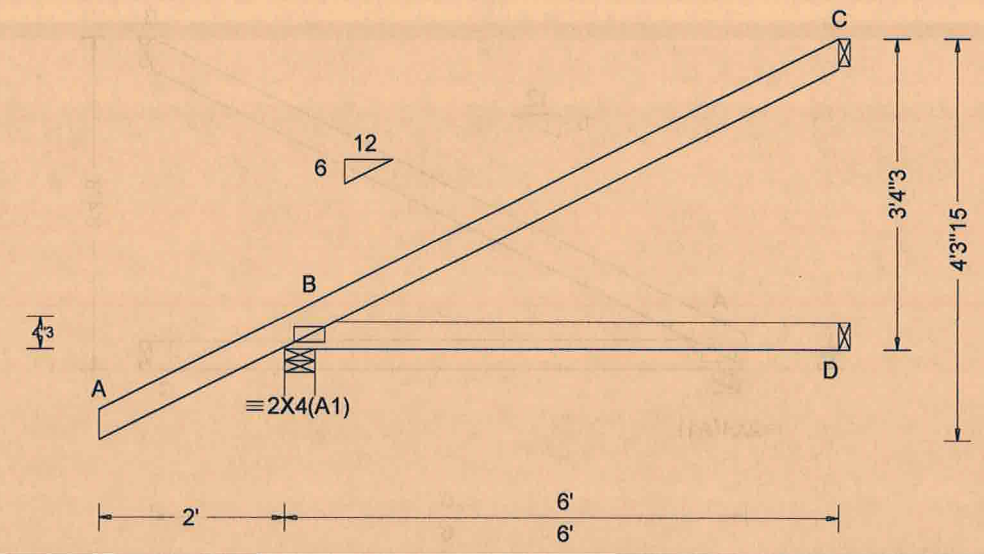
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352221 EJAC FROM: CDM	Ply: 1 Qty: 6	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** J06		Cust: R 215 JRef: 1WWQ2150002 T31 DrwNo: 188.20.0919.15203 / YK 07/06/2020



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
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 7-10 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 2017 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): 0.006 D - - HORZ(TL): 0.013 D - - Creep Factor: 2.0 Max TC CSI: 0.456 Max BC CSI: 0.354 Max Web CSI: 0.000 VIEW Ver: 19.02.02B.0122.15

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	413	/-	/-	/296	/62	/114
D	107	/-	/-	/76	/-	/-
C	152	/-	/-	/74	/58	/-

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.

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

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

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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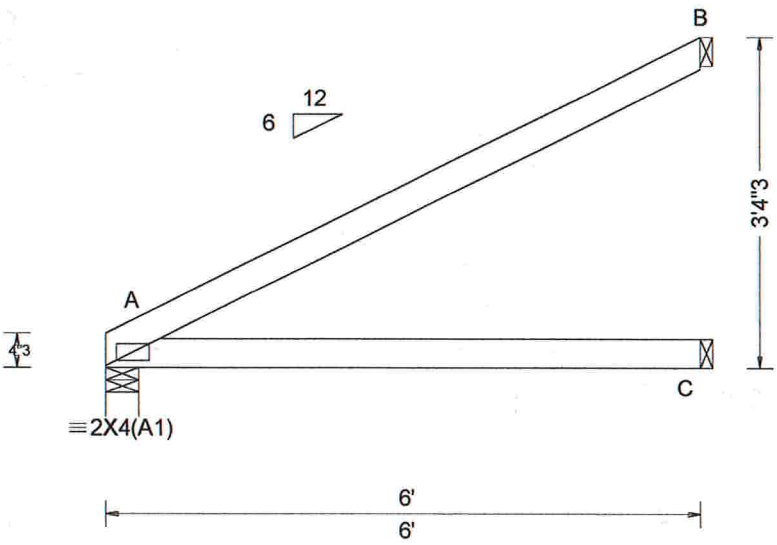
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352225 EJAC FROM: CDM	Ply: 1 Qty: 5	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** J06A	Cust: R 215 JRef: 1WWQ2150002 T32 DrwNo: 188.20.0919.16450 / YK 07/06/2020



Loading Criteria (psf)
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 Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): NA
VERT(CL): NA
HORZ(LL): 0.010 C - -
HORZ(TL): 0.021 C - -
Creep Factor: 2.0
Max TC CSI: 0.579
Max BC CSI: 0.400
Max Web CSI: 0.000

VIEW Ver: 19.02.02B.0122.15

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	253	/-	/-	/164	/19	/85
C	112	/-	/-	/81	/1	/-
B	166	/-	/-	/86	/62	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 Min Req = 1.5
C Brg Width = 1.5 Min Req = -
B Brg Width = 1.5 Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

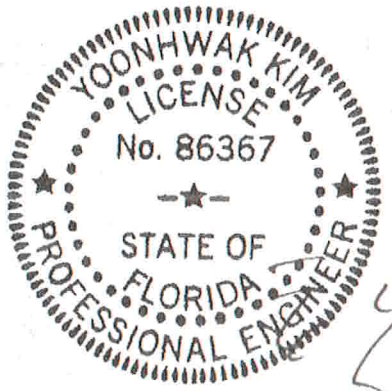
Wind

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

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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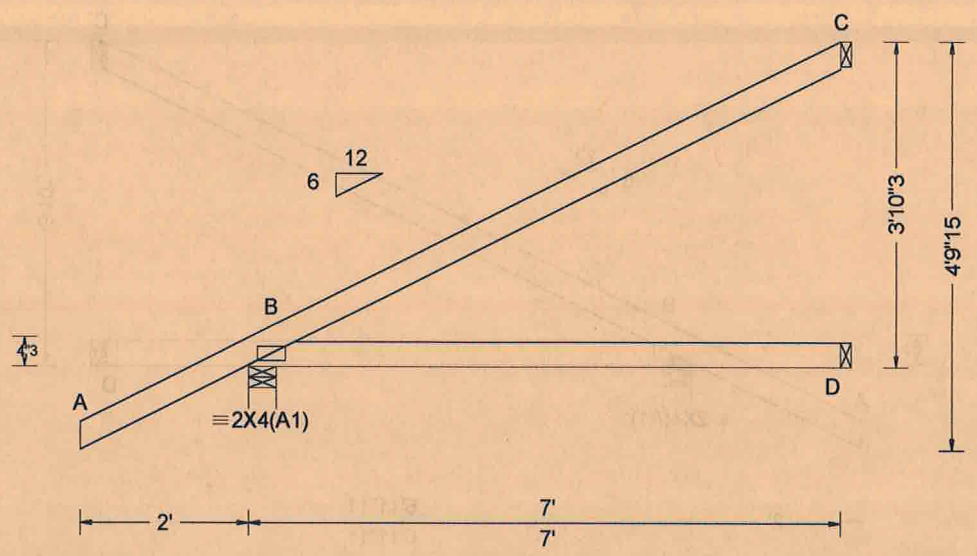
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352214 EJAC FROM: CDM	Ply: 1 Qty: 14	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** J07	Cust: R 215 JRef: 1WWQ2150002 T7 DrwNo: 188.20.0919.17740 / YK 07/06/2020



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
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 7-10 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 2017 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): 0.012 D - - HORZ(TL): 0.024 D - - Creep Factor: 2.0 Max TC CSI: 0.676 Max BC CSI: 0.498 Max Web CSI: 0.000 VIEW Ver: 19.02.02B.0122.15

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	450	/-	/-	/319	/64	/128
D	127	/-	/-	/89	/-	/-
C	182	/-	/-	/91	/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;

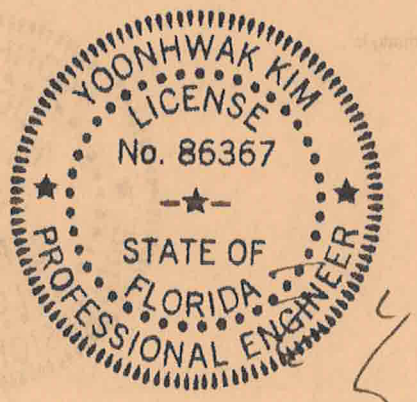
Wind

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

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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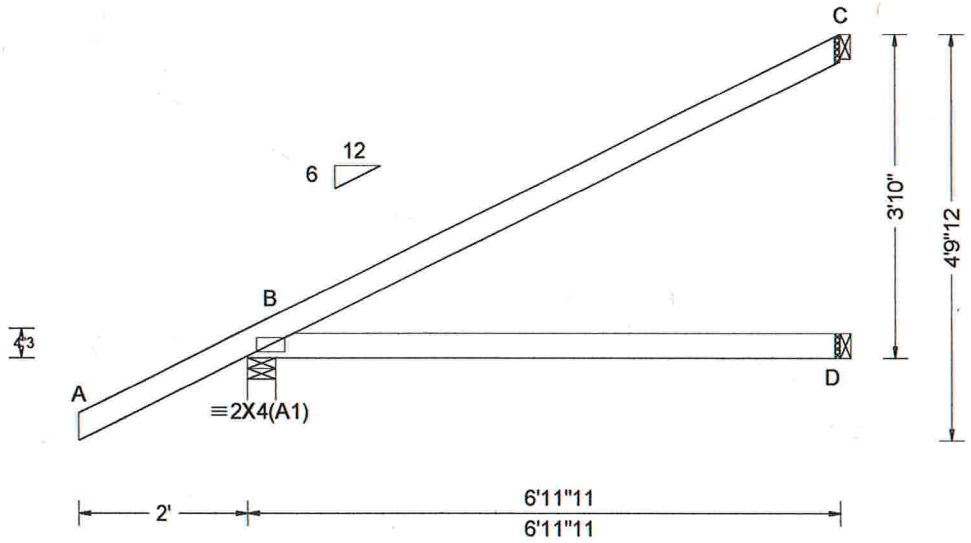
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352211 JACK FROM: CDM	Ply: 1 Qty: 4	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** J07A	Cust: R 215 JRef: 1WWQ2150002 T53 DrwNo: 188.20.0919.18890 / YK 07/06/2020



Loading Criteria (psf)
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 Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): NA
VERT(CL): NA
HORZ(LL): 0.012 D - -
HORZ(TL): 0.023 D - -
Creep Factor: 2.0
Max TC CSI: 0.670
Max BC CSI: 0.494
Max Web CSI: 0.000

VIEW Ver: 19.02.02B.0122.15

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	449	/-	/-	/319	/64	/128
D	126	/-	/-	/88	/-	/-
C	182	/-	/-	/91	/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;

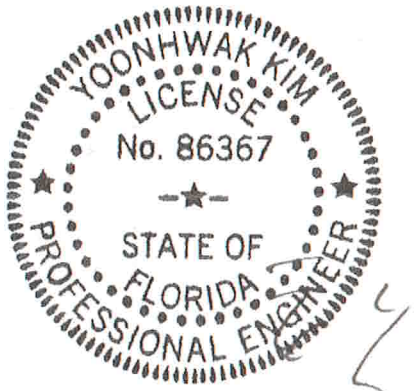
Wind

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

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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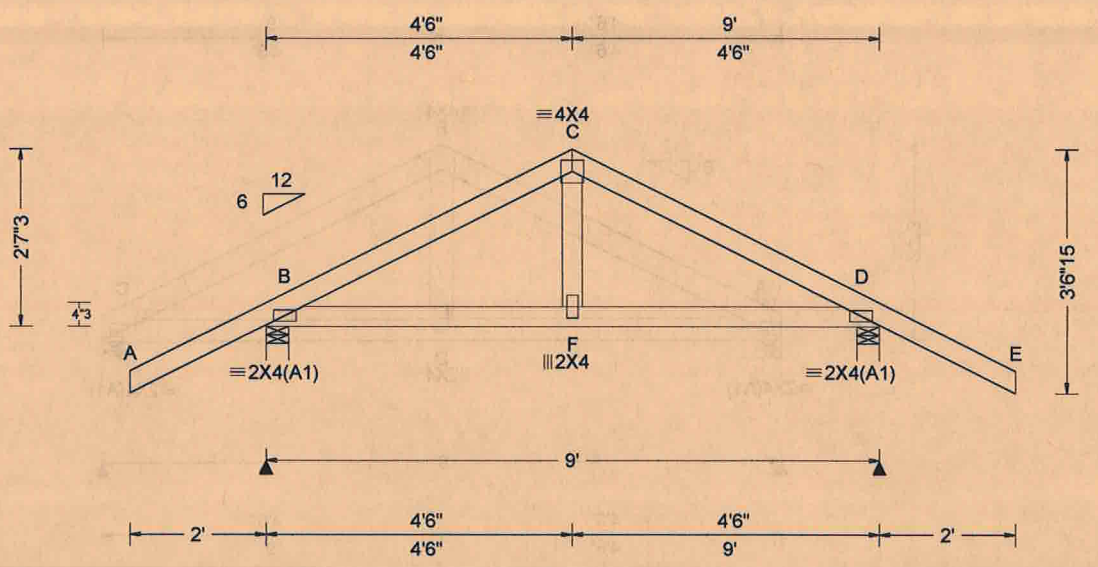
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352435 COMN FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** K01	Cust: R 215 JRef: 1WWQ2150002 T42 DrwNo: 188.20.0919.20170 / YK 07/06/2020



Loading Criteria (psf)
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 Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.006	F	999	240
VERT(CL): 0.011	F	999	180
HORZ(LL): 0.002	F	-	-
HORZ(TL): 0.004	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.330
Max BC CSI: 0.180
Max Web CSI: 0.068

VIEW Ver: 19.02.02B.0122.15

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	504	/-	/-	/337	/42	/107
D	504	/-	/-	/228	/93	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
D Brg Width = 4.0 Min Req = 1.5
Bearings B & D are a rigid surface.
Members not listed have forces less than 375#

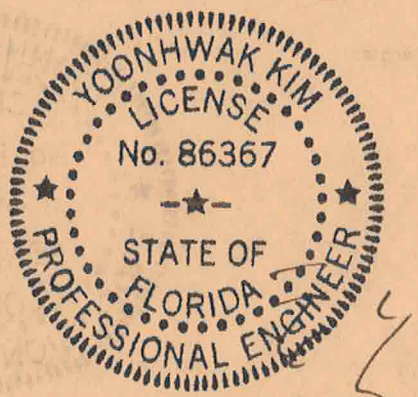
Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	118	-404	C - D	119	-404

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

Additional Notes
The overall height of this truss excluding overhang is 2-7-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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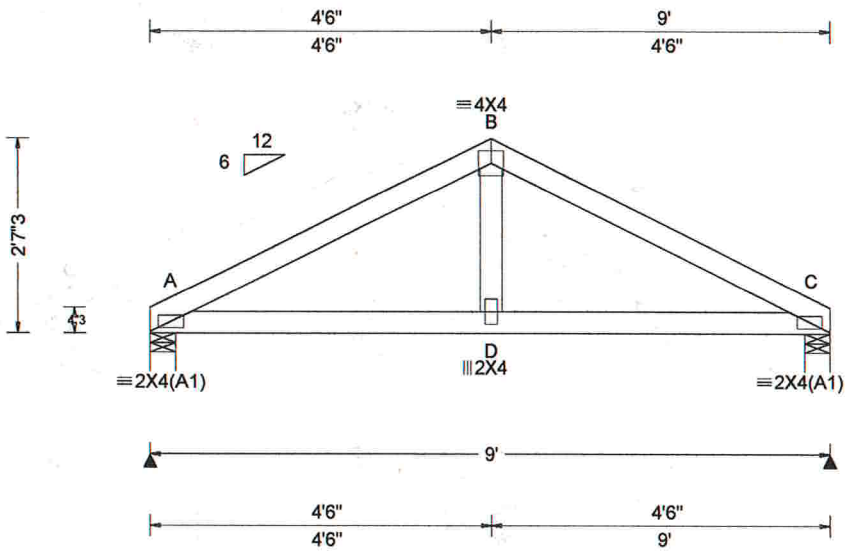
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352438 COMN FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** K02		Cust: R 215 JRef: 1WWQ2150002 T41 DrwNo: 188.20.0919.21740 / YK 07/06/2020



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.005	D	999	240
VERT(CL): 0.010	D	999	180
HORZ(LL): 0.002	D	-	-
HORZ(TL): 0.005	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.176
Max BC CSI: 0.213
Max Web CSI: 0.074

VIEW Ver: 19.02.02B.0122.15

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	371	/-	/-	/213	/5	/56
C	371	/-	/-	/213	/5	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 Min Req = 1.5
C Brg Width = 4.0 Min Req = 1.5
Bearings A & C are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	215	-498	B - C	215	-498

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - D	401	-125	D - C	401	-125

Lumber

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

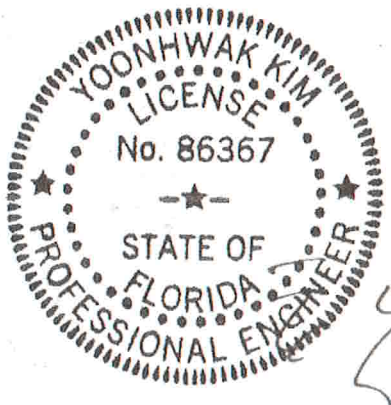
Wind

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

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

The overall height of this truss excluding overhang is 2-7-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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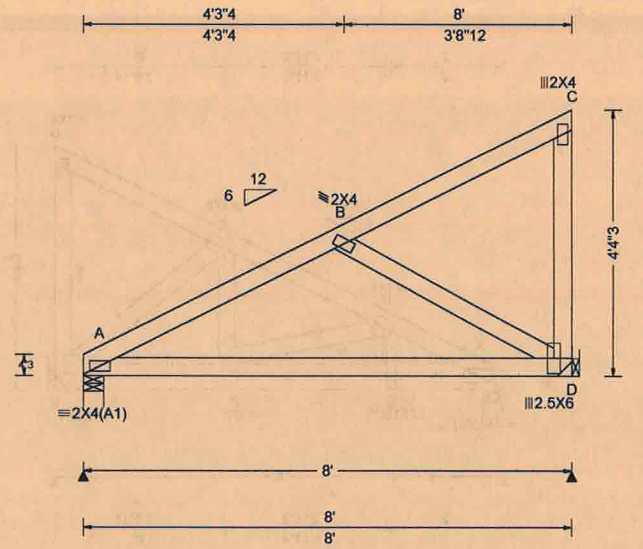
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352226 MONO FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** M01	Cust: R215 JRef:1WWQ2150002 T38 DrwNo: 188.20.0919.23673 / YK 07/06/2020



Loading Criteria (psf)
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 Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.009	D	999	240
VERT(CL): 0.028	D	999	180
HORZ(LL): 0.005	D	-	-
HORZ(TL): 0.016	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.331
Max BC CSI: 0.579
Max Web CSI: 0.127

VIEW Ver: 19.02.02B.0122.15

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	336	/-	/-	/218	/26	/114
D	323	/-	/-	/224	/85	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 Min Req = 1.5
D Brg Width = - 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;

Hangers / Ties
(J) Hanger Support Required, by others

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

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

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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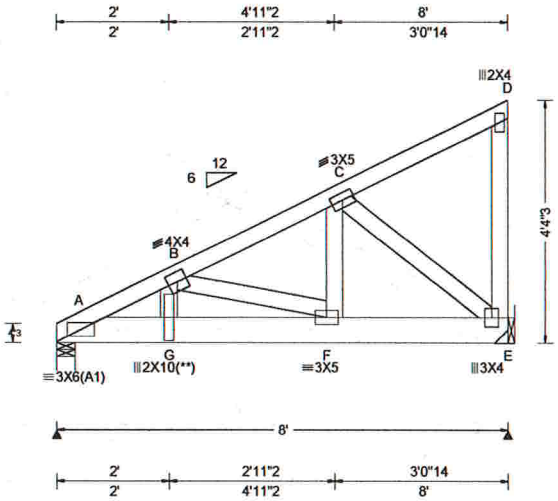
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352374 MONO FROM: CDM Page 1 of 2	Ply: 2 Qty: 1	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** M02	Cust: R 215 JRef: 1WWQ2150002 T16 DrwNo: 188.20.0919.27990 / YK 07/06/2020

2 Complete Trusses Required



Loading Criteria (psf)
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 Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.020	G	999	240
VERT(CL): 0.040	G	999	180
HORZ(LL): -0.008	D	-	-
HORZ(TL): 0.015	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.155
Max BC CSI: 0.286
Max Web CSI: 0.387

VIEW Ver: 19.02.02B.0122.15

▲ Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
A	2581 /-	/-	/-	/326	/-
E	1490 /-	/-	/-	/129	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 Min Req = 1.5
E Brg Width = - Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	286	-2365	B - C	92	-987

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - G	2100	-253	F - E	787	-72
G - F	2018	-243			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
G - B	1016	-128	F - C	956	-53
B - F	177	-1219	C - E	93	-1017

Lumber

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

Nailnote

Nail Schedule:0.131"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 3.50" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 62 plf at 0.00 to 62 plf at 8.00
BC: From 10 plf at 0.00 to 10 plf at 8.00
BC: 2566 lb Conc. Load at 2.06
BC: 463 lb Conc. Load at 4.06, 6.06

Plating Notes

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

Wind

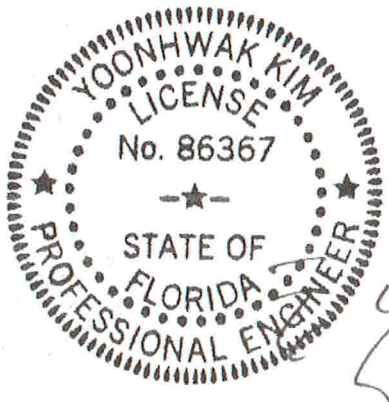
Wind loads and reactions based on MWFRS.

Right end vertical not exposed to wind pressure.

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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

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

SEQN: 352374 MONO	Ply: 2	**Job Number:** 20-4374	Cust: R 215 JRef: 1WWQ2150002 T16
FROM: CDM	Qty: 1	Glenwood King's Personal Residence	DrwNo: 188.20.0919.27990
Page 2 of 2		**Truss Label:** M02	/ YK 07/06/2020

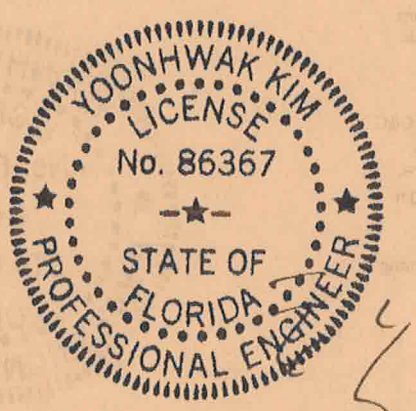
Hangers / Ties

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=7'9" uses the following support conditions: 7'9"
Bearing E (7'9", 9') HGUS26-2
Supporting Member: (2)2x6 SP 2400f-2.0E
(20) 0.148"x3" nails into supporting member,
(6) 0.148"x3" nails into supported member.



FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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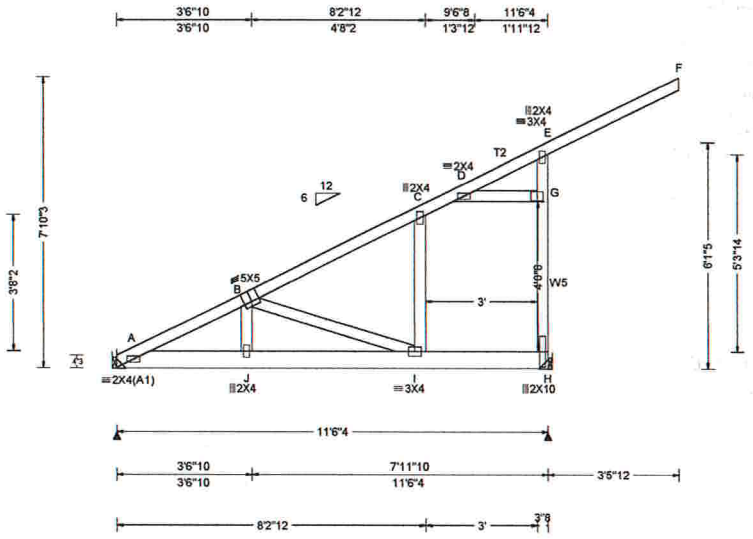
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352330 MONO FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** M03	Cust: R 215 JRef: 1WWQ2150002 T39 DrwNo: 188.20.0919.33123 / YK 07/06/2020



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.120	C	999	240
VERT(CL): 0.217	C	628	180
HORZ(LL): 0.057	C	-	-
HORZ(TL): 0.103	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.383
Max BC CSI: 0.271
Max Web CSI: 0.362

VIEW Ver: 19.02.02B.0122.15

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	463	/-	/-	/291	/-	/143
H	838	/-	/-	/447	/105	/-

Wind reactions based on MWFRS
A Brg Width = - Min Req = -
H Brg Width = - Min Req = -
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - B	62	-875

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - J	770	-268	J - I	756	-265

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - I	274	-760	G - H	518	-559
G - E	520	-546			

Lumber

Top chord: 2x4 SP #2; T2 2x4 SP M-31;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W5 2x4 SP M-31;

Hangers / Ties

(J) Hanger Support Required, by others

Loading

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

Wind

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

Right end vertical not exposed to wind pressure.

Uplifts based on an elevation at or above 1000 ft.

Additional Notes

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

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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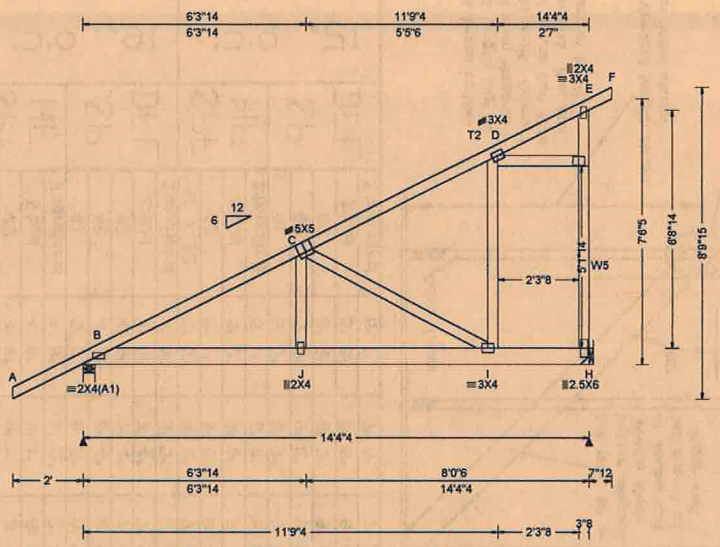
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352333 MONO FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 20-4374 Glenwood King's Personal Residence **Truss Label:** M04		Cust: R215 JRef: 1WWQ2150002 T13 DrwNo: 188.20.0919.36943 / YK 07/06/2020



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.146	D	999	240
VERT(CL): 0.275	D	620	180
HORZ(LL): 0.067	D	-	-
HORZ(TL): 0.126	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.408
Max BC CSI: 0.469
Max Web CSI: 0.618

VIEW Ver: 19.02.02B.0122.15

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	750	/-	/-	/506	/12	/162
H	701	/-	/-	/416	/74	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
H Brg Width = - Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - C	33	-953

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - J	793	-231	J - I	783	-230

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
J - C	424	-62	C - I	251	-845

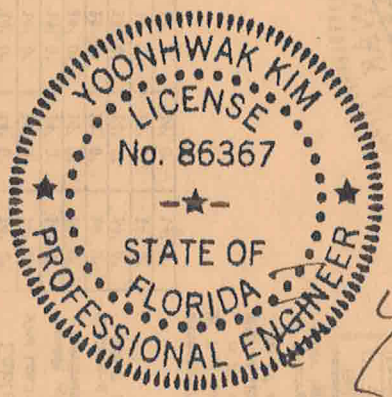
Lumber
Top chord: 2x4 SP #2; T2 2x4 SP M-31;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W5 2x4 SP M-31;

Hangers / Ties
(J) Hanger Support Required, by others

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

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

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



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07/06/2020

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

Gable Stud Reinforcement Detail

ASCE 7-10: 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 Spacing	Species	Brace Grade	No Braces	(1) 1x4 "L" Brace *		(1) 2x4 "L" Brace *		(2) 2x4 "L" Brace **		(1) 2x6 "L" Brace *		(2) 2x6 "L" Brace **	
				Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B
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"
	SP DFL	#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"
		#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"
16" o.c.	SPF HF	#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"
		Standard	4' 8"	6' 11"	7' 5"	9' 3"	9' 11"	11' 7"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
	SP DFL	#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"
12" o.c.	SPF HF	#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"
	SP DFL	#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"
		#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"

Bracing Group Species and Grades:

Group A:

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

Hem-Fir	
#2	Stud
#3	Standard

Douglas Fir-Larch
#3
Stud
Standard

Southern Pine**
#3
Stud
Standard

Group B:

Hem-Fir
#1 & Btr
#1

Douglas Fir-Larch
#1
#2

Southern Pine**
#1
#2

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

Gable Truss Detail Notes:

Wind Load deflection criterion is L/240.

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

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

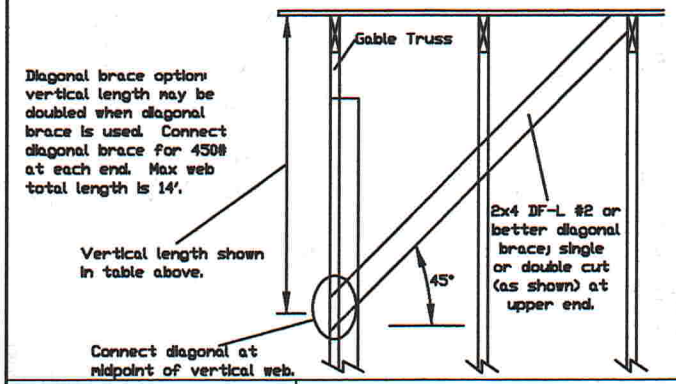
Attach "L" braces with 10d (0.128"x3.0" min) nails.
* For (1) "L" brace: space nails at 2" o.c. in 18" end zones and 4" o.c. between zones.
**For (2) "L" braces: space nails at 3" o.c. in 18" end zones and 6" o.c. between zones.

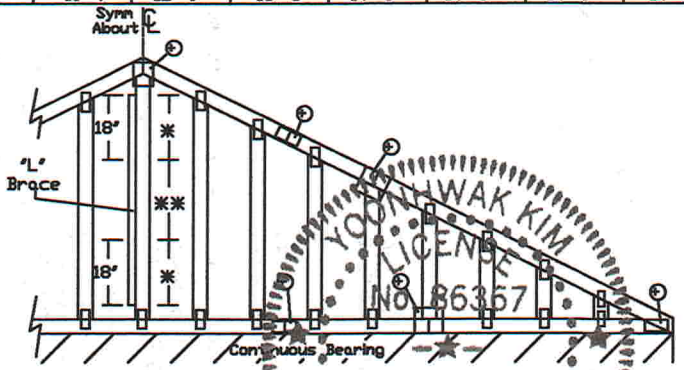
"L" bracing must be a minimum of 80% of web member length.

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.





Refer to chart above for max gable vertical length.

ALPINE
AN ITW COMPANY

13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

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

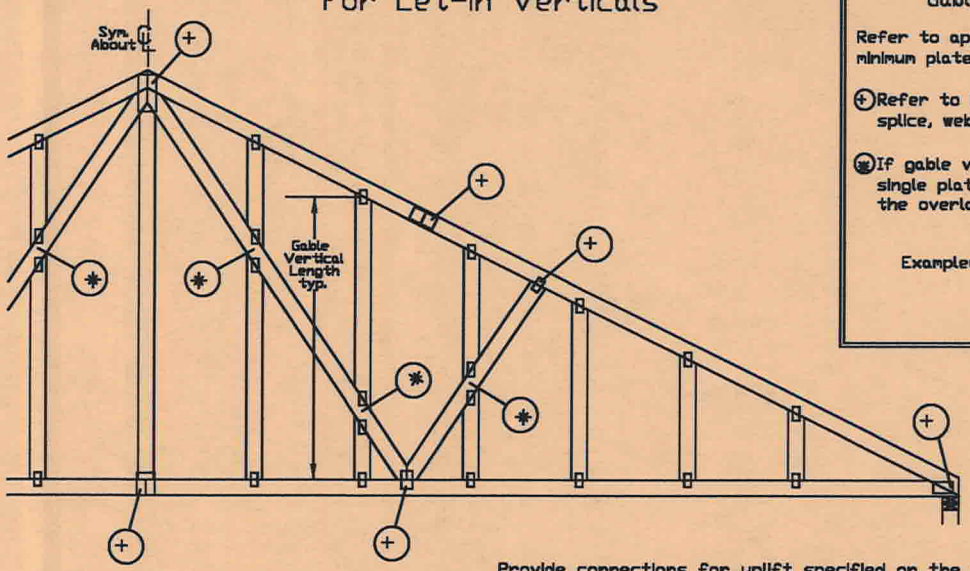
MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF ASCE7-10-GAB14015
DATE 10/01/14
DRWG A14015ENC101014

07/06/2020
FL REG# 278, Yoonhwak Kim, FL PE #86367

Gable Detail
For Let-In Verticals



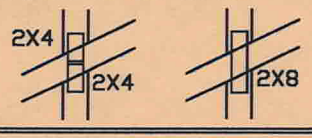
Gable Truss Plate Sizes

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

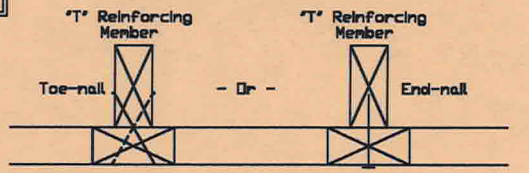
⊕ Refer to Engineered truss design for peak, splice, web, and heel plates.

✱ 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

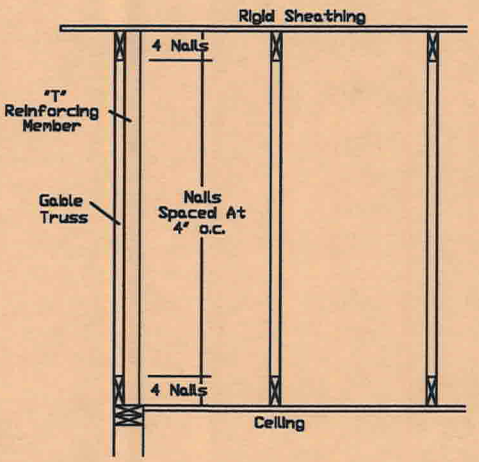


Provide connections for uplift specified on the engineered truss design.

Attach each "T" reinforcing member with

End Driven Nails:
10d Common (0.148"x 3",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, A16015ENC100118, A18015ENC100118, A20015ENC100118, A20015END100118, A20015PED100118, A11530ENC100118, A12030ENC100118, A14030ENC100118, A16030ENC100118, A18030ENC100118, A20030ENC100118, A20030END100118, A20030PED100118, S11515ENC100118, S12015ENC100118, S14015ENC100118, S16015ENC100118, S18015ENC100118, S20015ENC100118, S20015END100118, S20015PED100118, S11530ENC100118, S12030ENC100118, S14030ENC100118, S16030ENC100118, S18030ENC100118, S20030ENC100118, S20030END100118, S20030PED100118

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

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"

ALPINE
AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

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.

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

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec2.

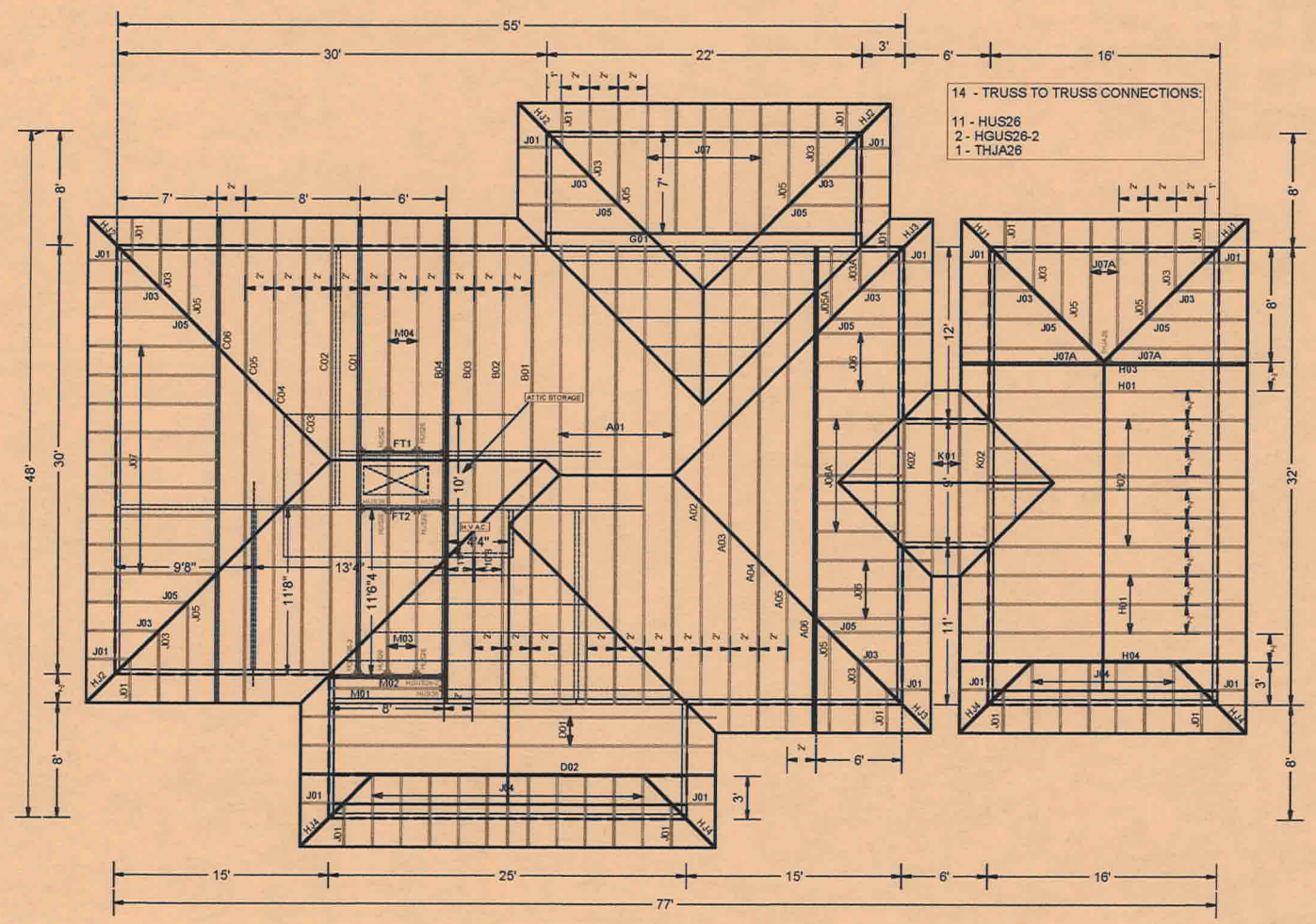
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.org; ICC: www.iccsafe.org

STATE OF FLORIDA PROFESSIONAL ENGINEER
YOONHWAK KIM
86367

07/06/2020
FL REG# 278, Yoonhwak Kim, FL PE #86367

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

REF	LET-IN VERT
DATE	01/02/2018
DRWG	GBLLETIN0118



W.B. Howland Truss Co.
610 11th St. SW
Live Oak, FL 32064
(386) 362-1235
(386) 362-7124 (Fax)
howlandtruss@gmail.com

ROOF PITCH:6/12

OVERHANG:24"
PLUMB CUT

CEILING:FLAT
THROUGHOUT

EXT. WALLS:2 X 4

LOADING:40 PSF

WIND LOAD:130 MPH

EXPOSURE:"C"

DATE:6/24/2020

JOB NO:
20-4374

PAGE NO:
1 OF 1