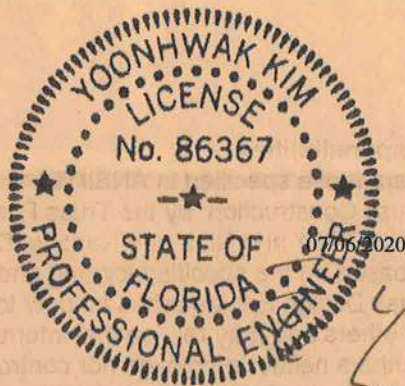




FL REG# 278, Yoonhwak Kim, FL PE #86367

Alpine, an ITW Company
6750 Forum Drive, Suite 305
Orlando, FL 32821
Phone: (800)755-6001
www.alpineitw.com



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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	Roof Load (psf): 20.00-10.00- 0.00-10.00	
Building Type: Closed		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.

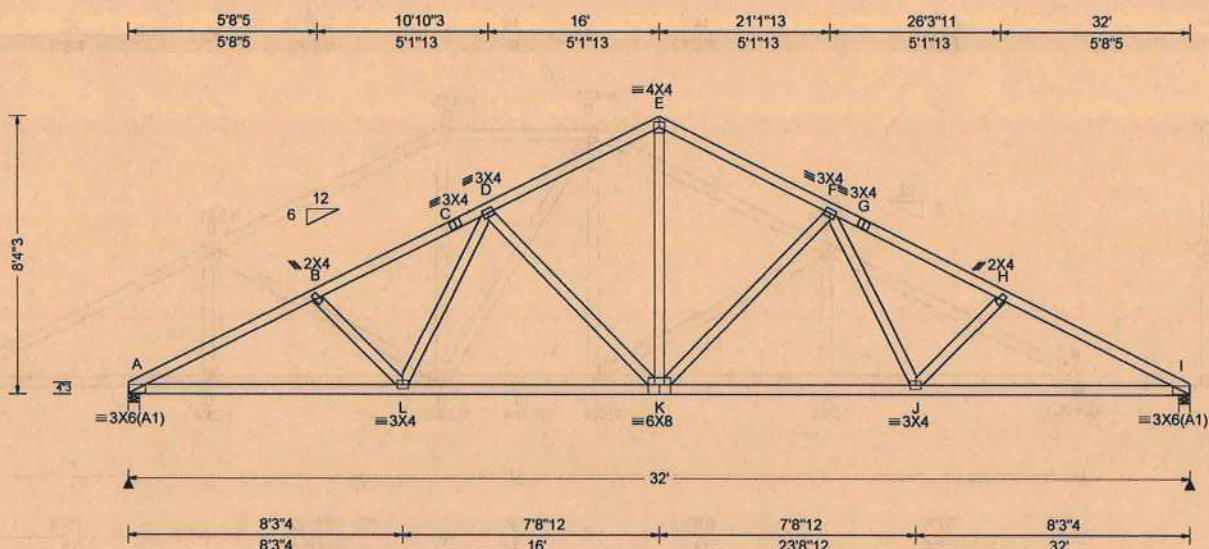
Refer to ASCE-7 for Wind and Seismic abbreviations.

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 FROM: CDM	COMN 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
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 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	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): 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	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.

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

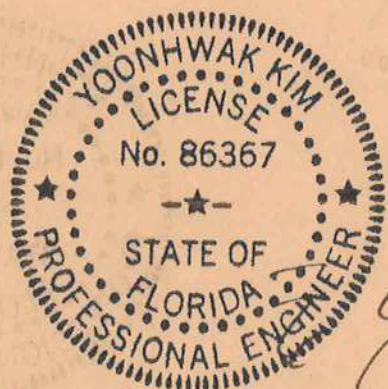
The overall height of this truss excluding overhang is 8'-4"-3."

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		



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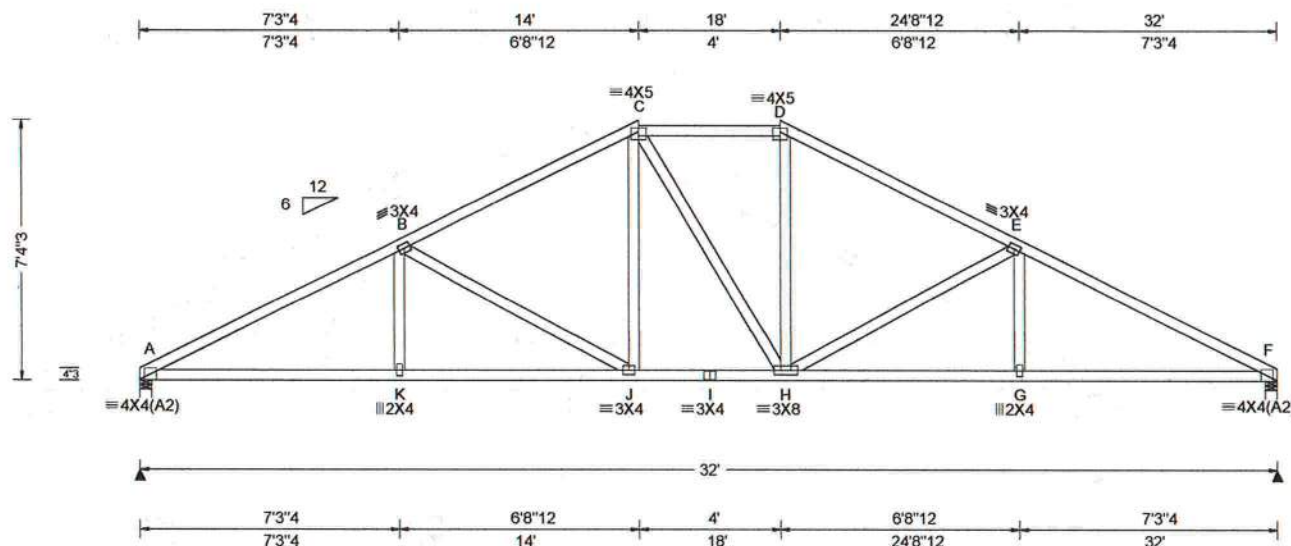
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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AN ITW COMPANY
6750 Forum Drive
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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/def 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)						
Loc	Gravity			Non-Gravity		
	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;

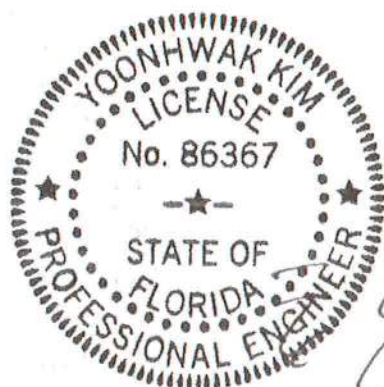
Wind

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

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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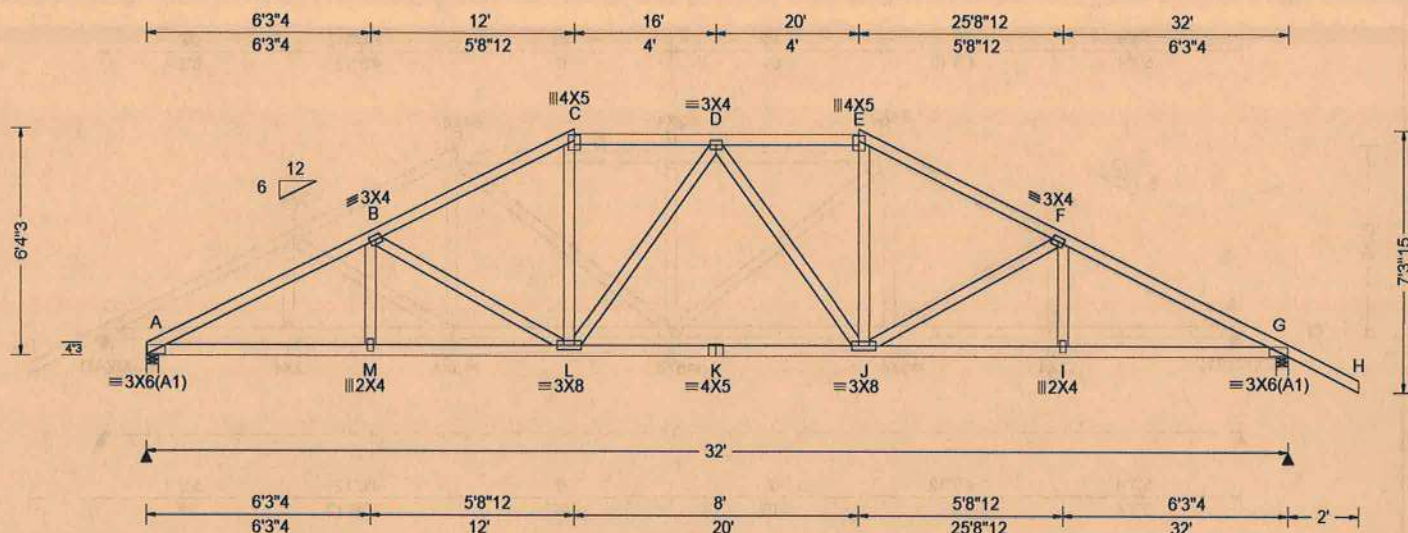
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Suite 305
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SEQN: 352295 FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 20-4374 Glenwood King's Personal Residence Truss Label: A03	Cust: R 215 JRef: 1WWQ2150002 T12 DrwNo: 188.20.0916.03660 / YK 07/06/2020
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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

Def/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	- / -	- / -	785	/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

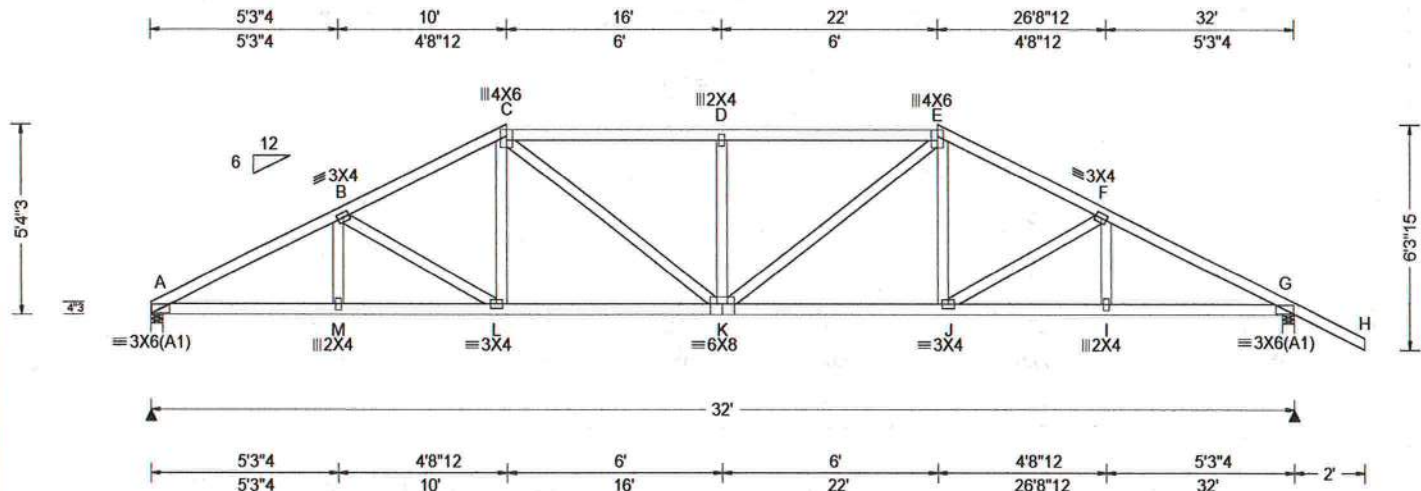
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Suite 305
Orlando FL, 32821



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/def 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)							
Loc	Gravity			Non-Gravity			
	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;

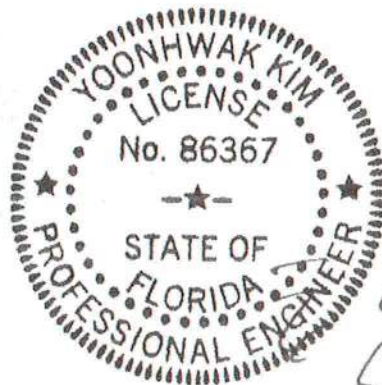
Wind

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".



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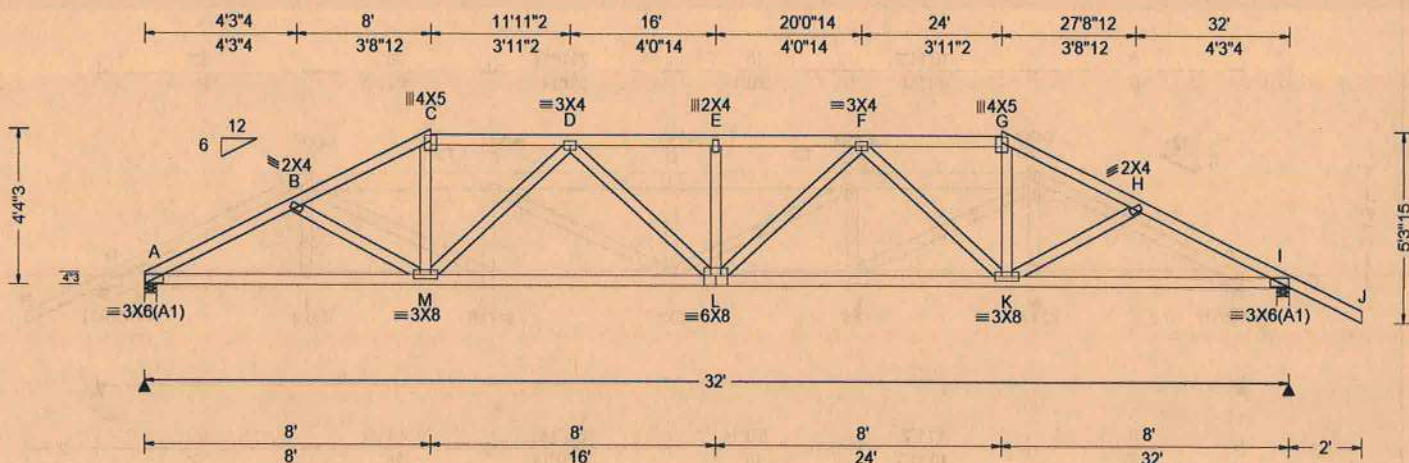
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Def/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 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	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/def 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	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

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.



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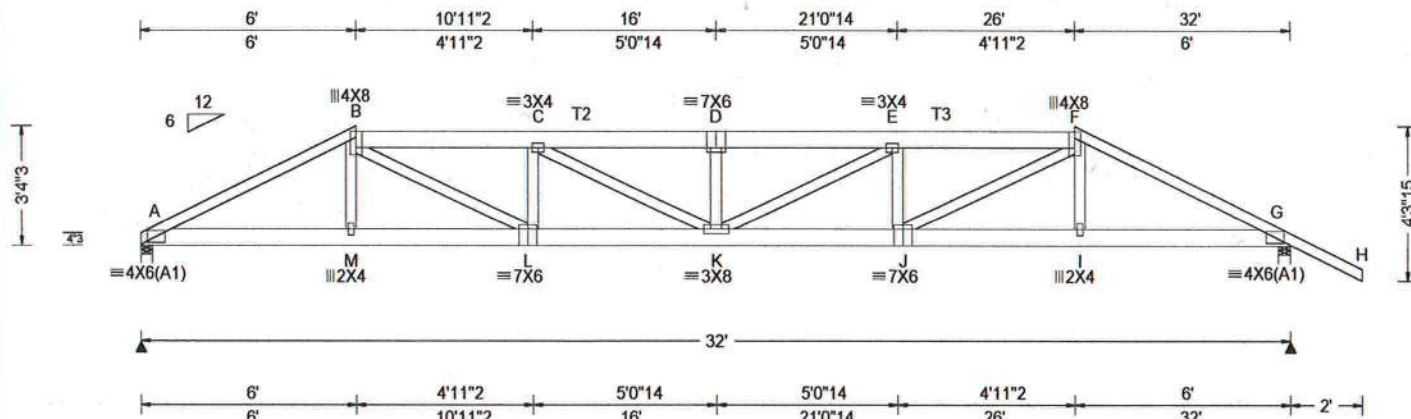
Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
A - M	2140 -503	L - K	2450 -554
M - L	2462 -558	K - I	2081 -501

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

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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
GCpt:	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)						
Loc	Gravity			Non-Gravity		
	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

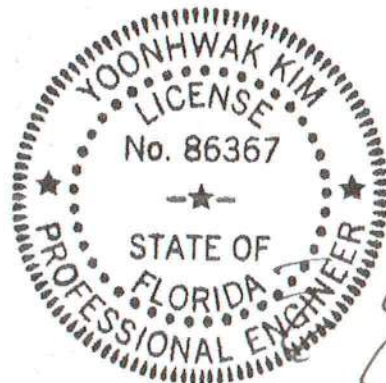
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 62 plf at 0.00 to 62 plf at 6.00
TC: From 31 plf at 6.00 to 31 plf at 26.00
TC: From 62 plf at 26.00 to 62 plf at 34.00
BC: From 20 plf at 0.00 to 20 plf at 6.03
BC: From 10 plf at 6.03 to 10 plf at 25.97
BC: From 20 plf at 25.97 to 20 plf at 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.



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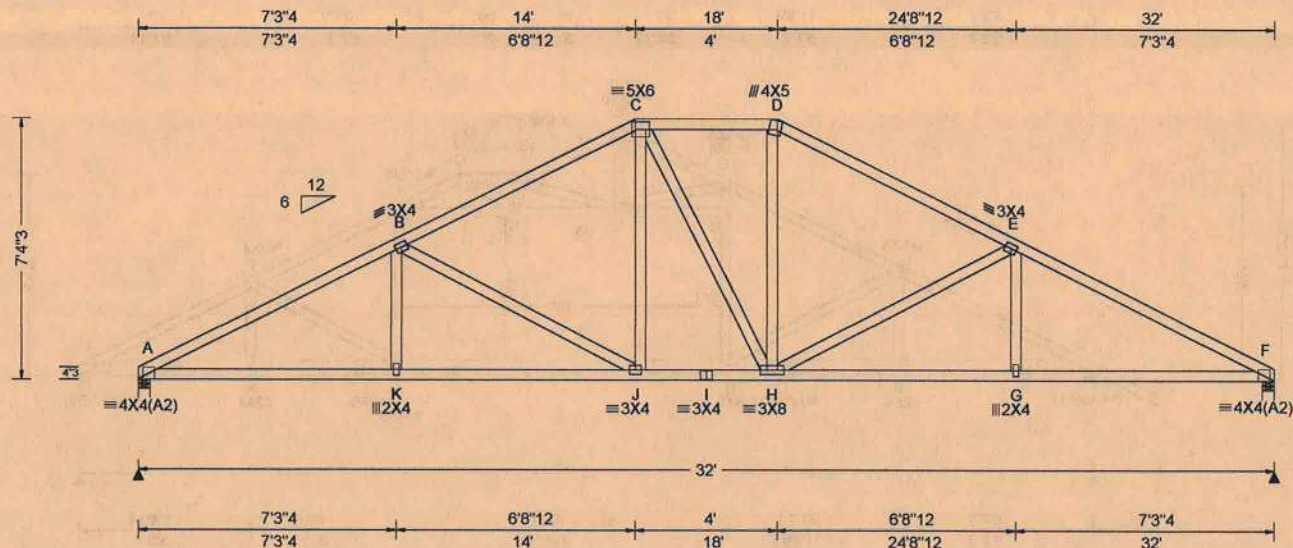
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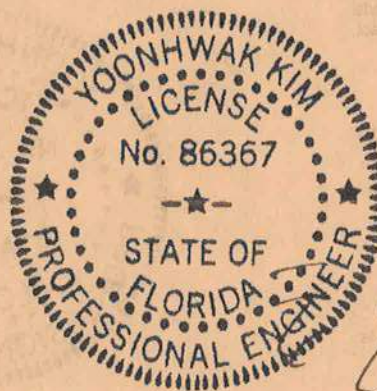


Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Def/CSI Criteria	▲ Maximum Reactions (lbs)					
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity		
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.106 J 999 240	Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.219 J 999 180	A	1318	- / -	/764	/39	/180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.048 G - -	F	1318	- / -	/764	/39	- / -
	EXP: C Kzt: NA		HORZ(TL): 0.099 G - -	Wind reactions based on MWFRS					
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 2.0	A	Brg Width = 4.0		Min Req = 1.6		
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Max TC CSI: 0.571	F	Brg Width = 4.0		Min Req = 1.6		
Soffit: 2.00	BCDL: 5.0 psf	FBC 2017 RES	Max BC CSI: 0.763	Bearings A & F are a rigid surface.					
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max Web CSI: 0.772	Members not listed have forces less than 375#					
Spacing: 24.0 "	C&C Dist a: 3.20 ft	Rep Fac: Yes		Maximum Top Chord Forces Per Ply (lbs)					
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		Chords	Tens.Comp.		Chords	Tens. Comp.	
	GCpi: 0.18	Plate Type(s):		A - B	584 -2384		D - E	501 -1739	
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15						

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 excludng overhang is 7-4-3.



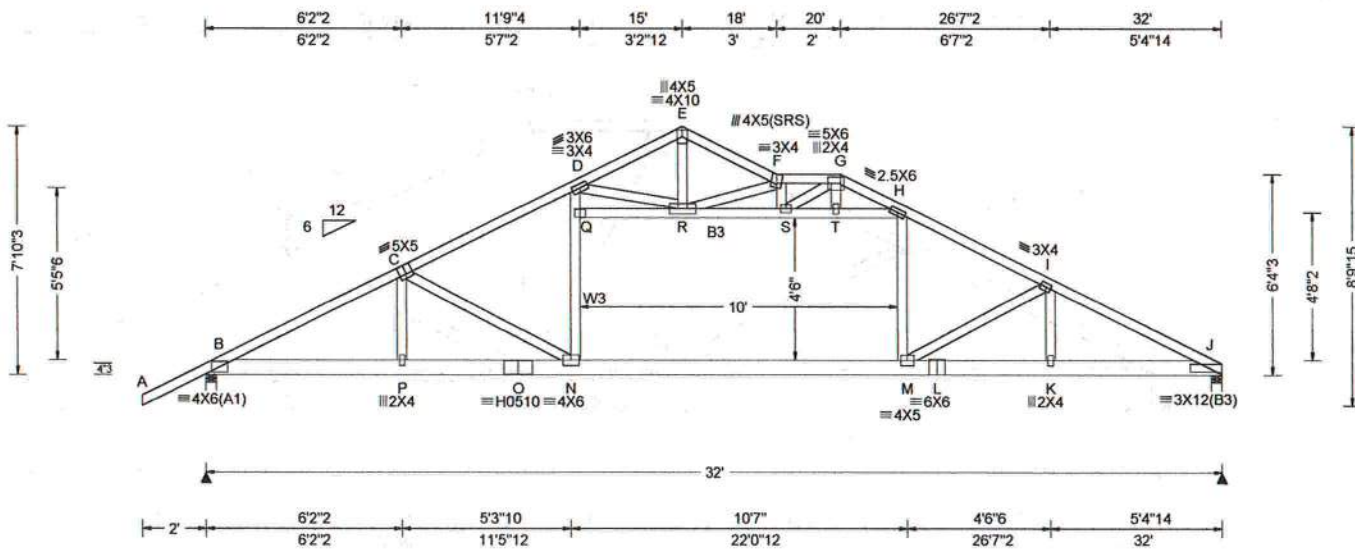
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 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	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	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	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

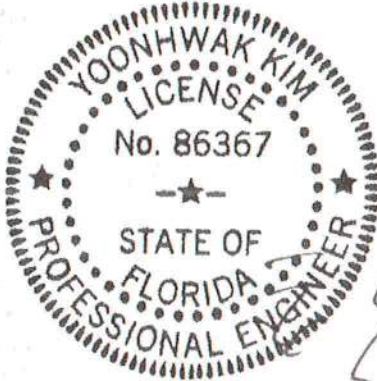
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x6 SP 2400f-2.0E; B3 2x4 SP #2;
Webs: 2x4 SP #3; W3 2x4 SP M-31;

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.



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		

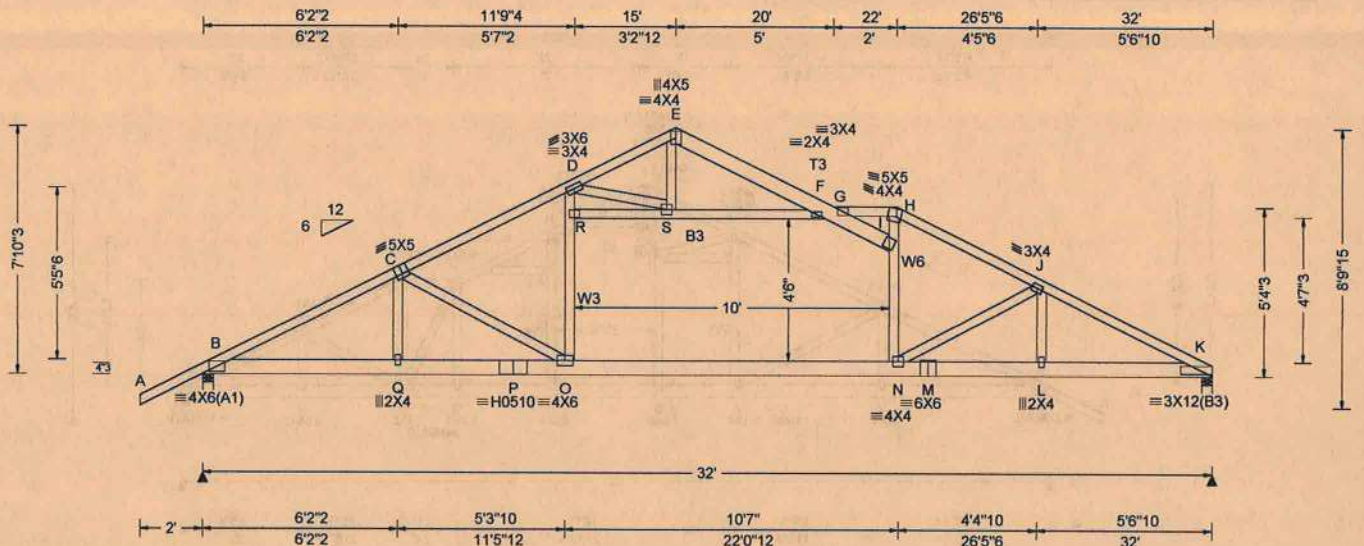
Maximum Web Forces Per Ply (lbs)

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

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Def/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.355 G 999 240	Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.771 G 493 180	B	1926	-/-	-/-	/876	/43 /225	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.102 I - -	K	1834	-/-	-/-	/761	/20 -/-	
	EXP: C Kzt: NA		HORZ(TL): 0.243 I - -	Wind reactions based on MWFRS						
Des Ld: 40.00	Mean Height: 15.00 ft	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	Creep Factor: 2.0	B	Brg Width = 4.0		Min Req = 1.6			
NCBCLL: 10.00	TCDL: 5.0 psf		Max TC CSI: 0.622	K	Brg Width = 4.0		Min Req = 1.5			
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.794	Bearings B & K are a rigid surface.						
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h		Max Web CSI: 0.586	Members not listed have forces less than 375#						
Spacing: 24.0 "	C&C Dist a: 3.20 ft			Maximum Top Chord Forces Per Ply (lbs)						
	Loc. from endwall: not in 9.00 ft			Chords	Tens.Comp.		Chords	Tens. Comp.		
	GCpi: 0.18			B - C	568 -3336		G - H	126 -479		
	Wind Duration: 1.60		VIEW Ver: 19.02.02B.0122.15							

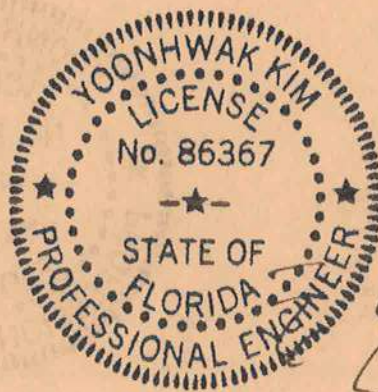
Lumber
Top chord: 2x4 SP #2; T3 2x6 SP 2400f-2.0E;
Bot chord: 2x6 SP 2400f-2.0E; B3 2x4 SP #2;
Webs: 2x4 SP #3; W3,W6 2x4 SP M-31;

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.



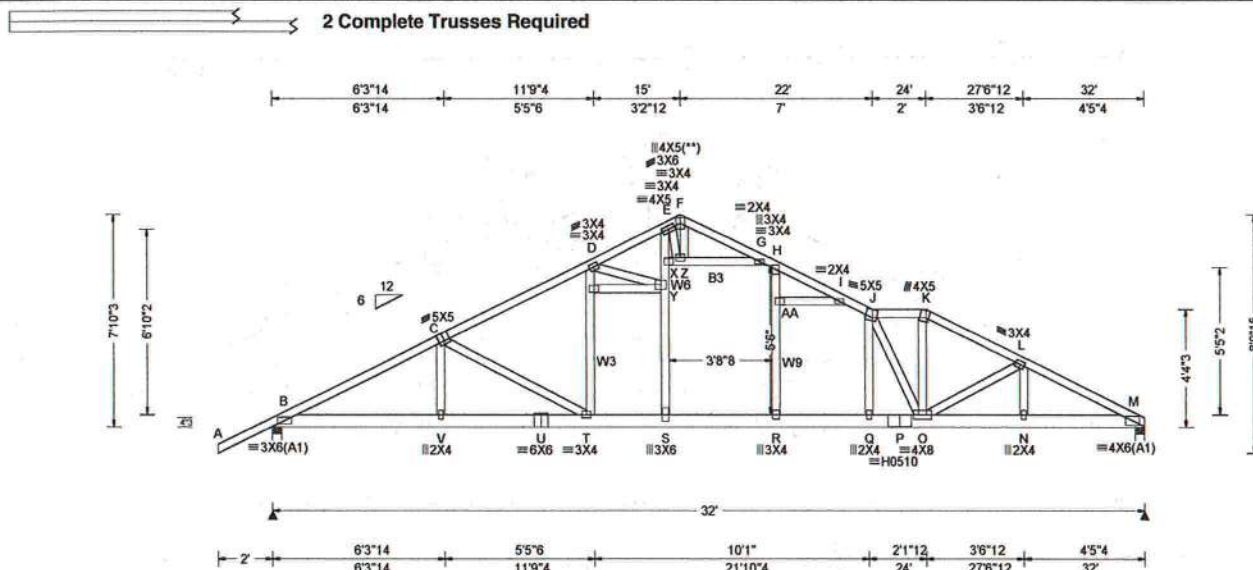
FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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		

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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AN ITW COMPANY
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



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

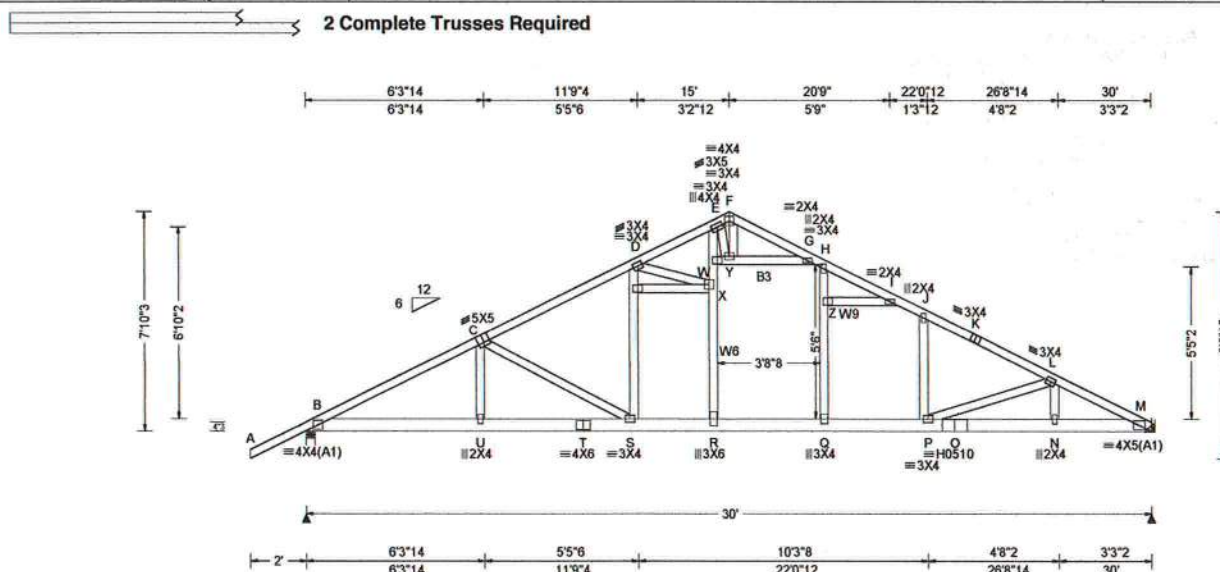
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821



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		

▲ 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#

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
F - 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

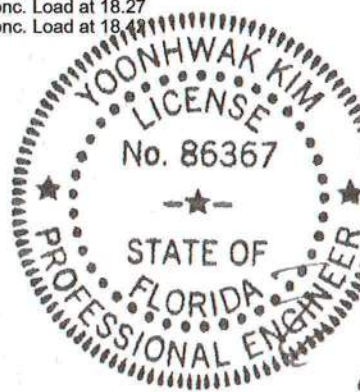
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

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.



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

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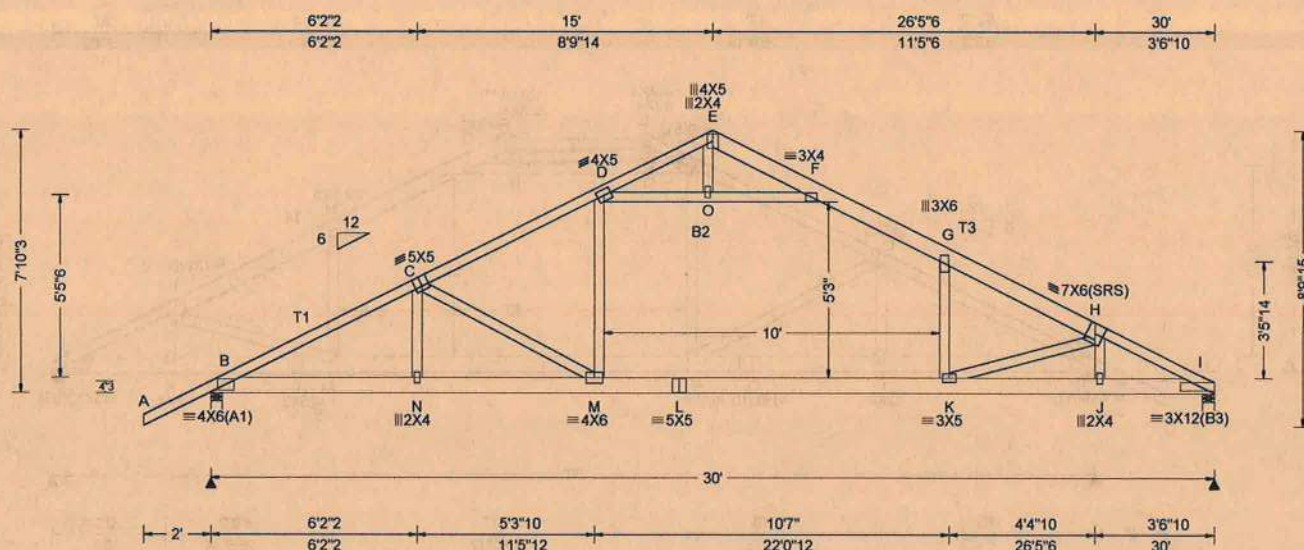
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Drawings 1097-12 are standard plate specimens. Refer to job's General Notes page for additional information.

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Cust: R 215 JRef: 1WWQ2150002 T21
 DrwNo: 188.20.0917.52457
 / YK 07/06/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.354 K 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.776 K 459 180	B 1813 /- /- /825 /35 /222
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.131 G - -	I 1780 /- /- /712 /19 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.302 G - -	Wind reactions based on MWFRS
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	B Brg Width = 4.0 Min Req = 1.5
Soffit: 2.00	TCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.566	I Brg Width = 4.0 Min Req = 1.5
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.766	Bearings B & I are a rigid surface.
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.430	Members not listed have forces less than 375#
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: not in 9.00 ft	Plate Type(s):		Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	WAVE	VIEW Ver: 19.02.02B.0122.15	B - C 467 - 3098 G - H 428 - 3070
	Wind Duration: 1.60			C - D 444 - 2968 H - I 576 - 3609
Lumber				F - G 441 - 2584

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.

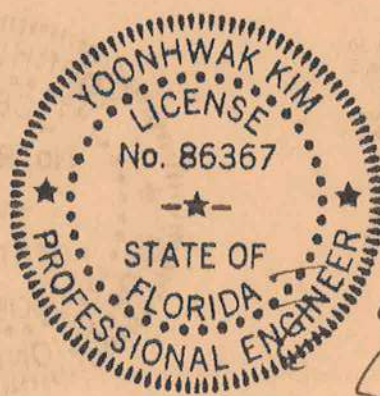
Wind

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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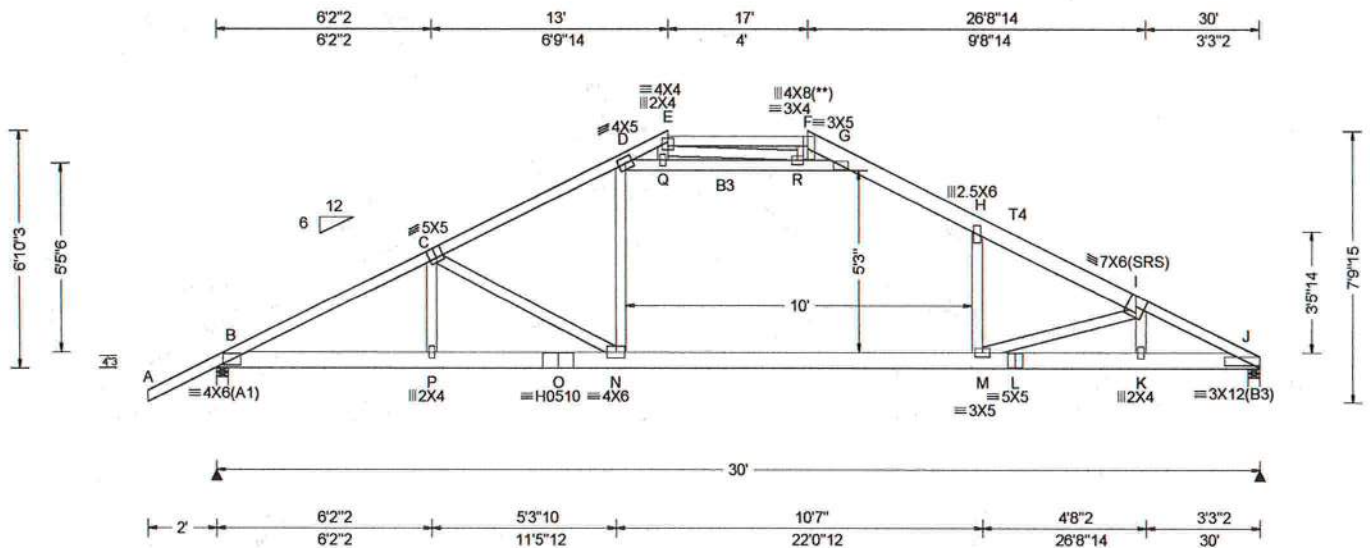
6750 Forum Drive
Suite 305
Orlando FL 32821

SEQN: 352401
FROM: CDM

HIP_ Ply: 1
Qty: 1

Job Number: 20-4374
Glenwood King's Personal Residence
Truss Label: C03

Cust: R215 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
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.

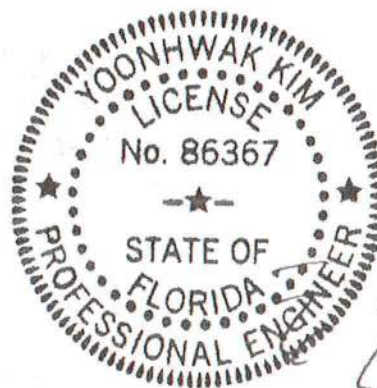
Wind

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.



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

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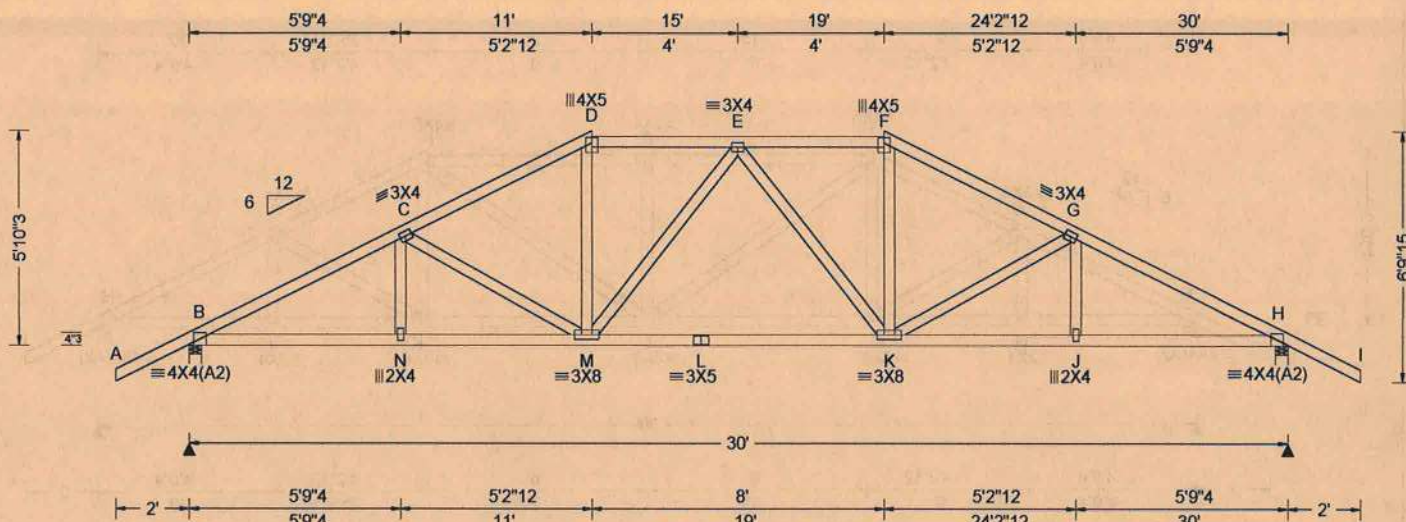
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Suite 305
Orlando FL, 32821

SEQN: 352404 FROM: CDM	HIPS Qty: 1	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
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 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): 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	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

Lumber

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

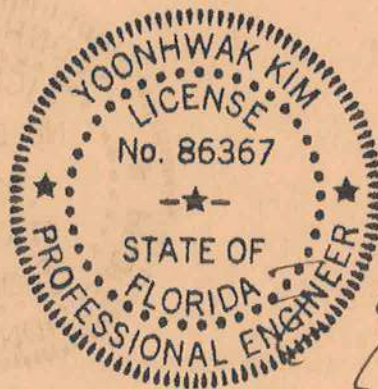
Wind

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'-10-3/4.



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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)

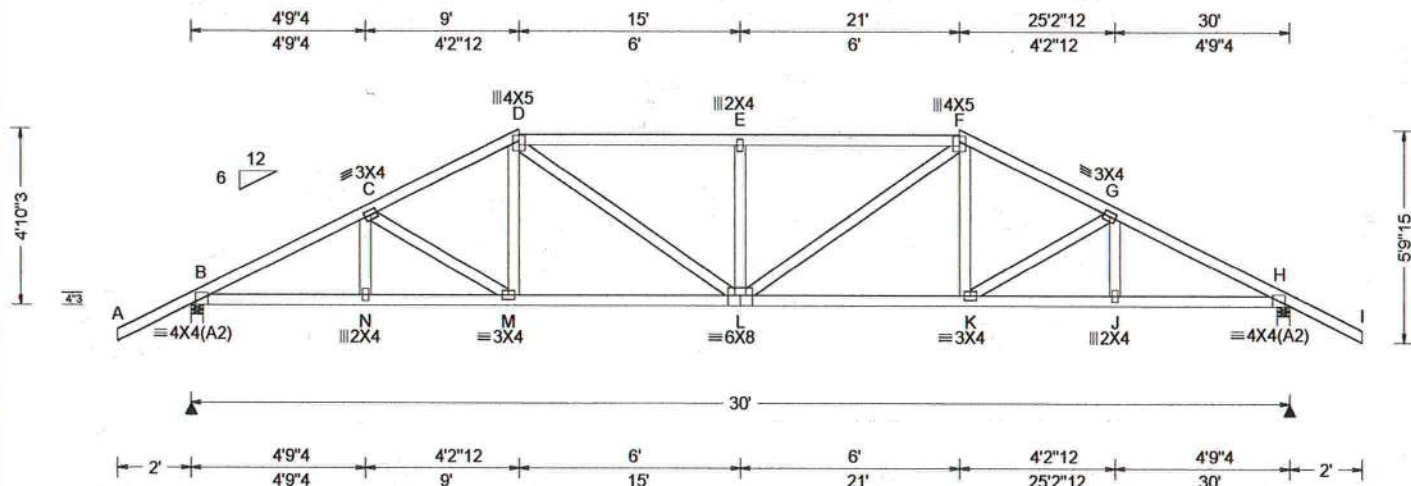
Webs	Tens.Comp.	Webs	Tens. Comp.
C - M	139 -386	F - K	497 -94
M - D	497 -94	K - G	138 -386

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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/def 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)							
Loc	Gravity			Non-Gravity			
	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;

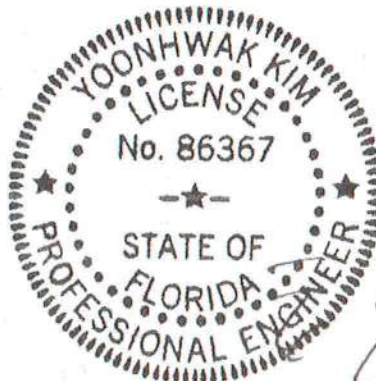
Wind

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."



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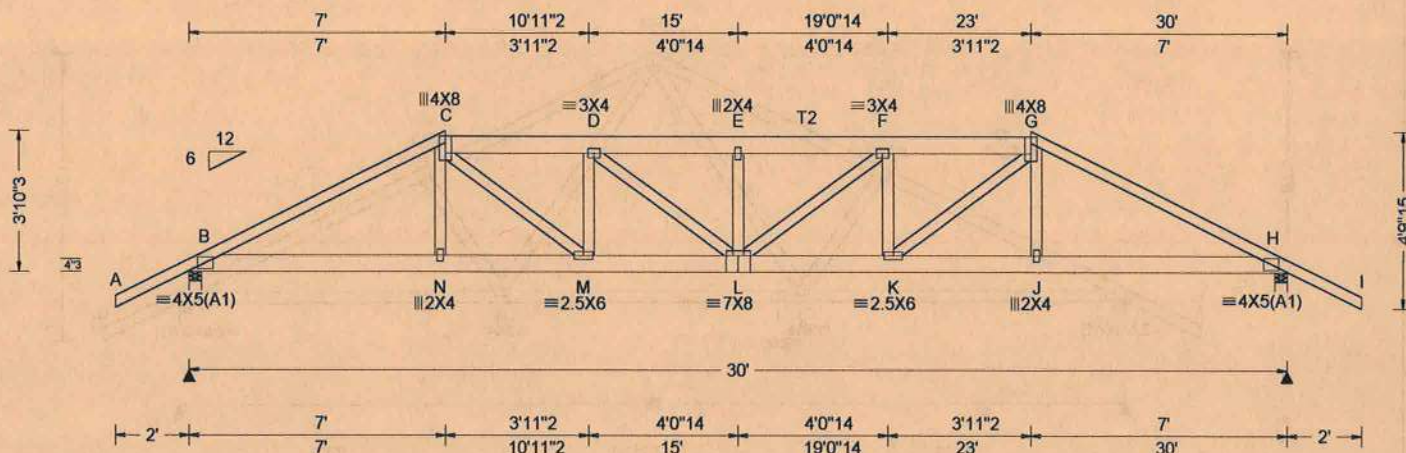
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Def/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 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 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def 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	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

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

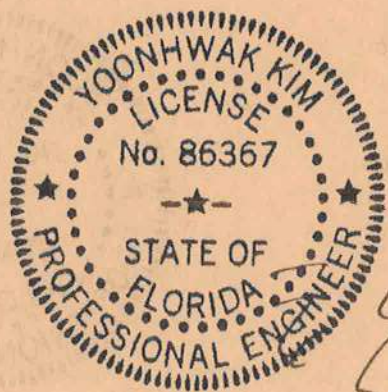
The overall height of this truss excluding overhang is 3-10-3.

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



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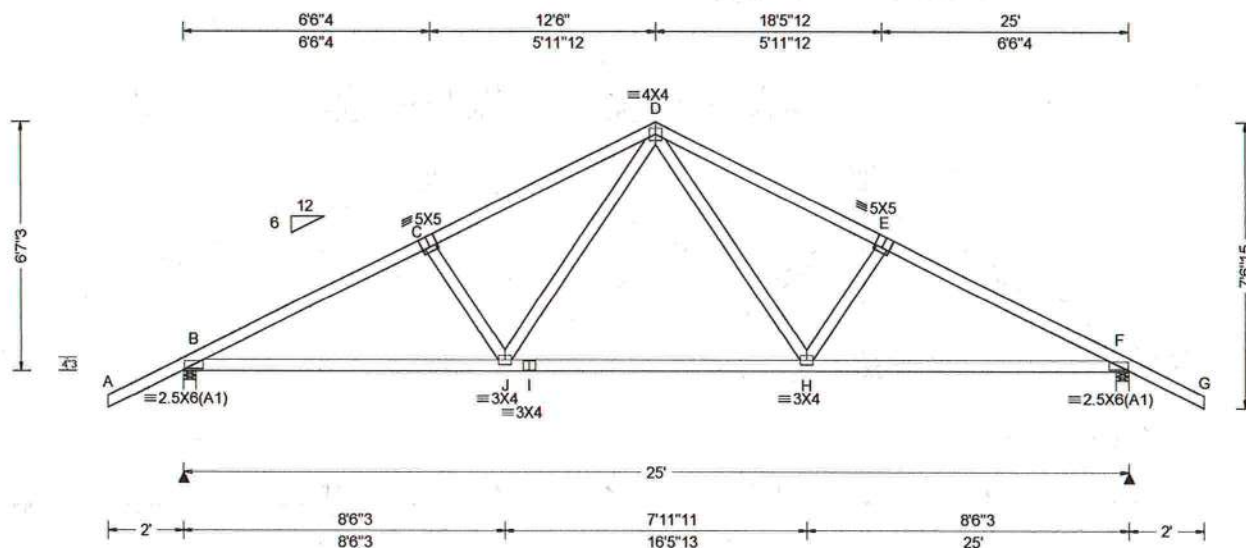
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 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): 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	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

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.

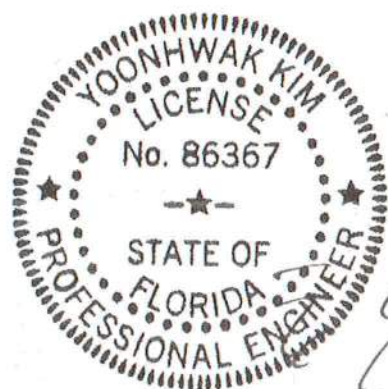
Wind

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'-7-3/4".



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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

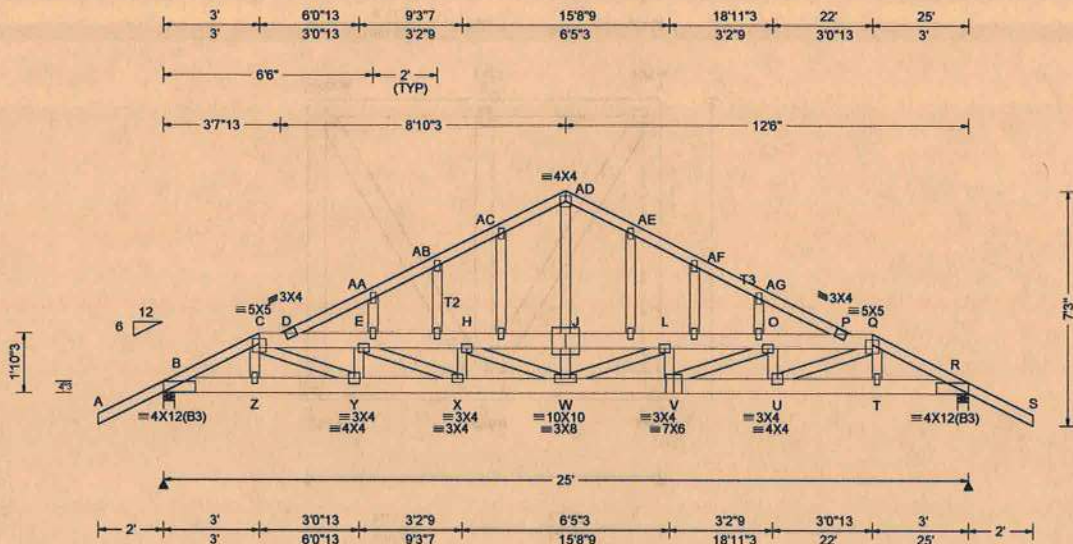
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	GravityNon-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.146 L 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.303 L 977 180	B 2298 -/- -/- -/- /403 -/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.037 T - -	R 2327 -/- -/- -/- /403 -/-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.077 T - -	Wind reactions based on MWFRS
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	B Brg Width = 4.0 Min Req = 1.6
Soffit: 2.00	TCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.455	R Brg Width = 4.0 Min Req = 1.6
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.353	Bearings B & R are a rigid surface.
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Varies by Ld Case	Max Web CSI: 0.544	Members not listed have forces less than 375#
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: Any	Plate Type(s):		Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	WAVE	VIEW Ver: 19.02.02B.0122.15	B - C 672 -4101 J - L 199 -1334
	Wind Duration: 1.60			

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

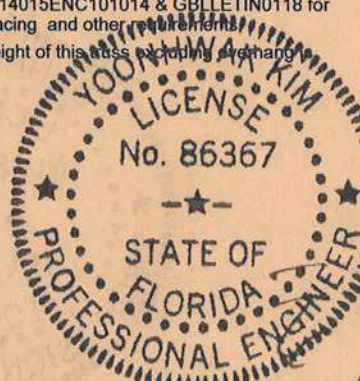
Plating Notes
All plates are 2X4 except as noted.

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.

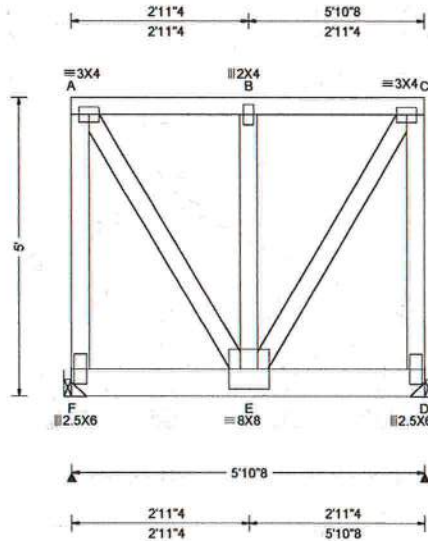
Additional Notes
See DWGS A14015ENC101014 & GBULLETIN0118 for gable wind bracing and other requirements.
The overall height of this truss including overhang is 1-10-3.



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07/06/2020

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 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	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	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	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

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

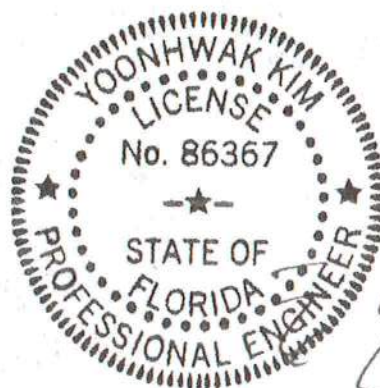
The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

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".



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

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Hangers / Ties

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

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

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

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

Bearing 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



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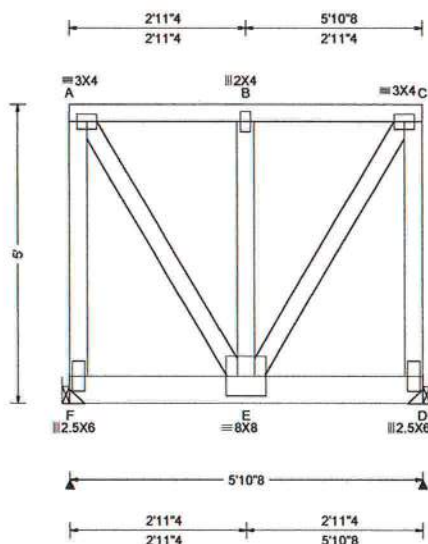
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352342 FROM: CDM	FLAT Qty: 1	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
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 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	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	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	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

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

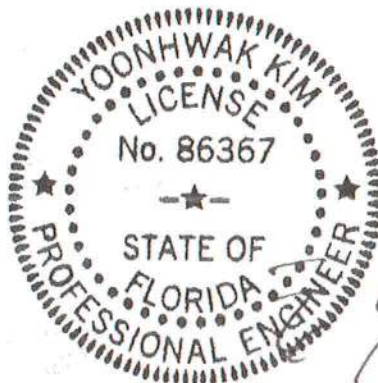
The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

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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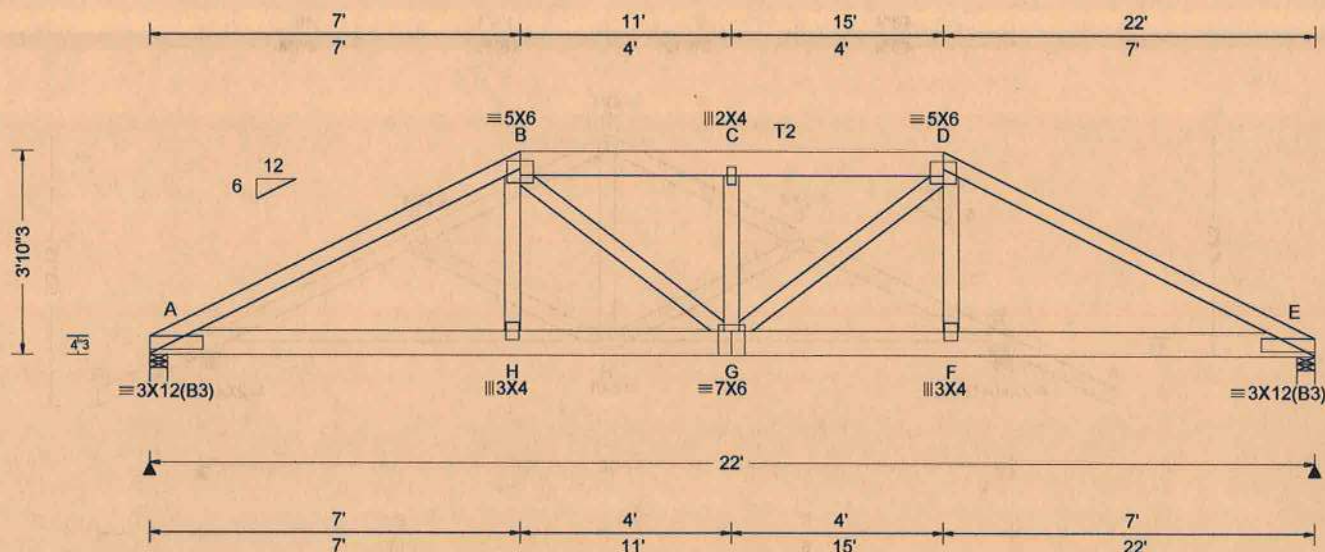
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SEQN: 352423 FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 20-4374 Glenwood King's Personal Residence Truss Label: G01	Cust: R 215 JRef: 1WWQ2150002 T4 DrwNo: 188.20.0918.28990 / YK 07/06/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 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	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	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	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

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

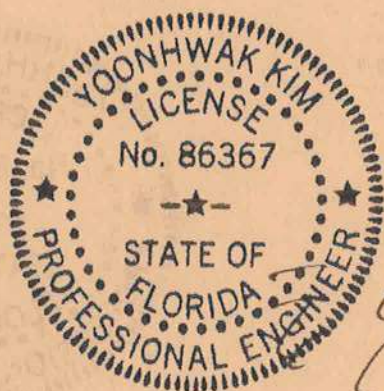
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 62 plf at 0.00 to 62 plf at 7.00
TC: From 31 plf at 7.00 to 31 plf at 15.00
TC: From 62 plf at 15.00 to 62 plf at 22.00
BC: From 20 plf at 0.00 to 20 plf at 7.03
BC: From 10 plf at 7.03 to 10 plf at 14.97
BC: From 20 plf at 14.97 to 20 plf at 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

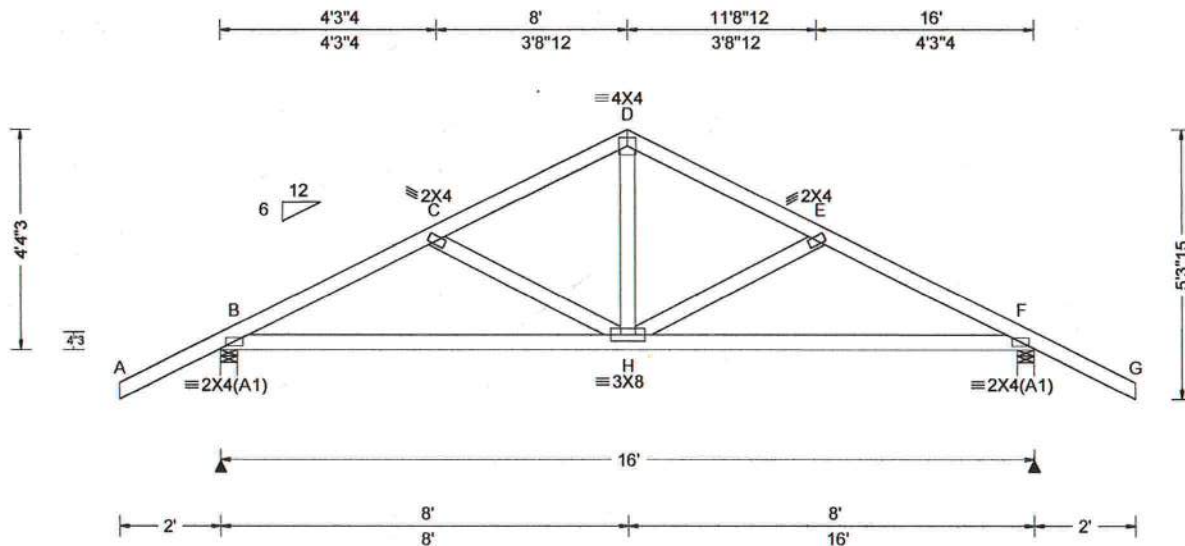
The overall height of this truss excluding overhang is 3'-10-3/4".



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

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 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	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): 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	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

Lumber

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

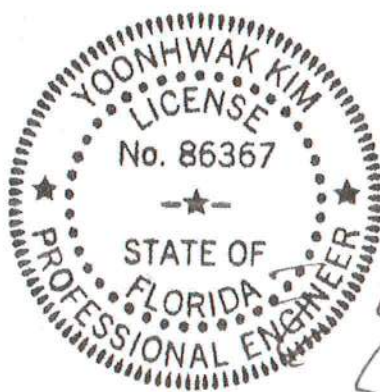
Wind

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
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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)

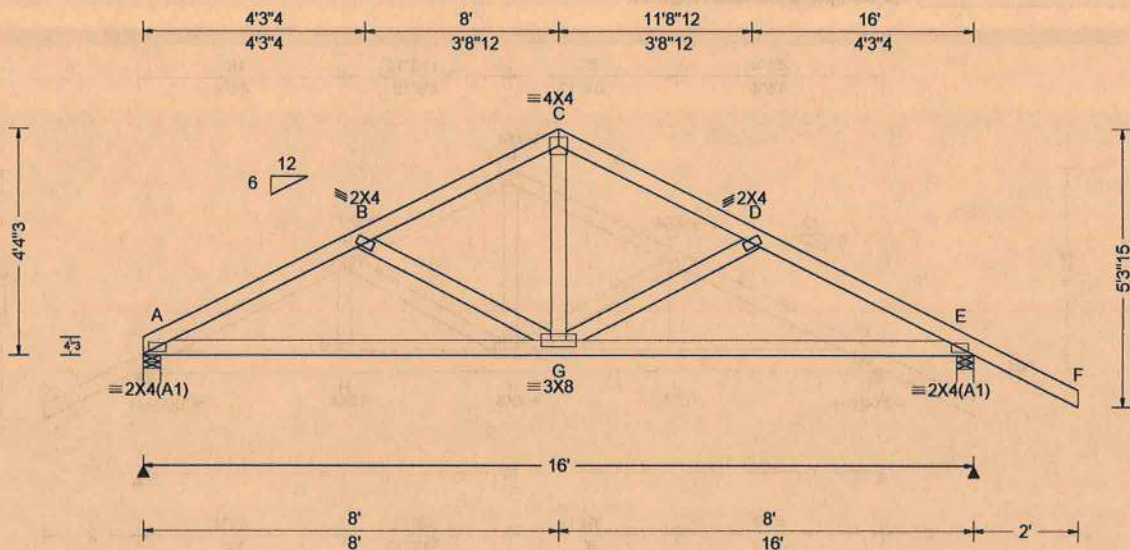
Webs	Tens.Comp.
D - H	445 -130

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)			Defl/CSI Criteria			▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA	Ct: NA	CAT: NA	PP Deflection in loc L/defl L/#			Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA		Ce: NA	VERT(LL): 0.025 G 999 240			Loc	R+	/R-	/Rh	/Rw	/U	/RL
BCLL: 0.00	Enclosure: Closed	Lu: NA	Cs: NA		VERT(CL): 0.050 G 999 180			A	649	/-	/-	/379	/108	/133
BCDL: 10.00	Risk Category: II	Snow Duration: NA			HORZ(LL): 0.011 G - -			E	802	/-	/-	/496	/149	/-
Des Ld: 40.00	EXP: C Kzt: NA	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT-20(0)/10(0) Plate Type(s): WAVE			HORZ(TL): 0.021 G - -			Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 15.00 ft				Creep Factor: 2.0			A Brg Width = 4.0 Min Req = 1.5						
Soffit: 2.00	TCDL: 5.0 psf				Max TC CSI: 0.347			E Brg Width = 4.0 Min Req = 1.5						
Load Duration: 1.25	BCDL: 5.0 psf				Max BC CSI: 0.635			Bearings A & E are a rigid surface.						
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h				Max Web CSI: 0.174			Members not listed have forces less than 375#						
	C&C Dist a: 3.00 ft							Maximum Top Chord Forces Per Ply (lbs)						
	Loc. from endwall: not in 9.00 ft							Chords Tens.Comp. Chords Tens. Comp.						
	GCpi: 0.18													
	Wind Duration: 1.60				VIEW Ver: 19.02.02B.0122.15									
								A - B 299 -1043 C - D 226 -779						
								B - C 243 -782 D - E 277 -1016						

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

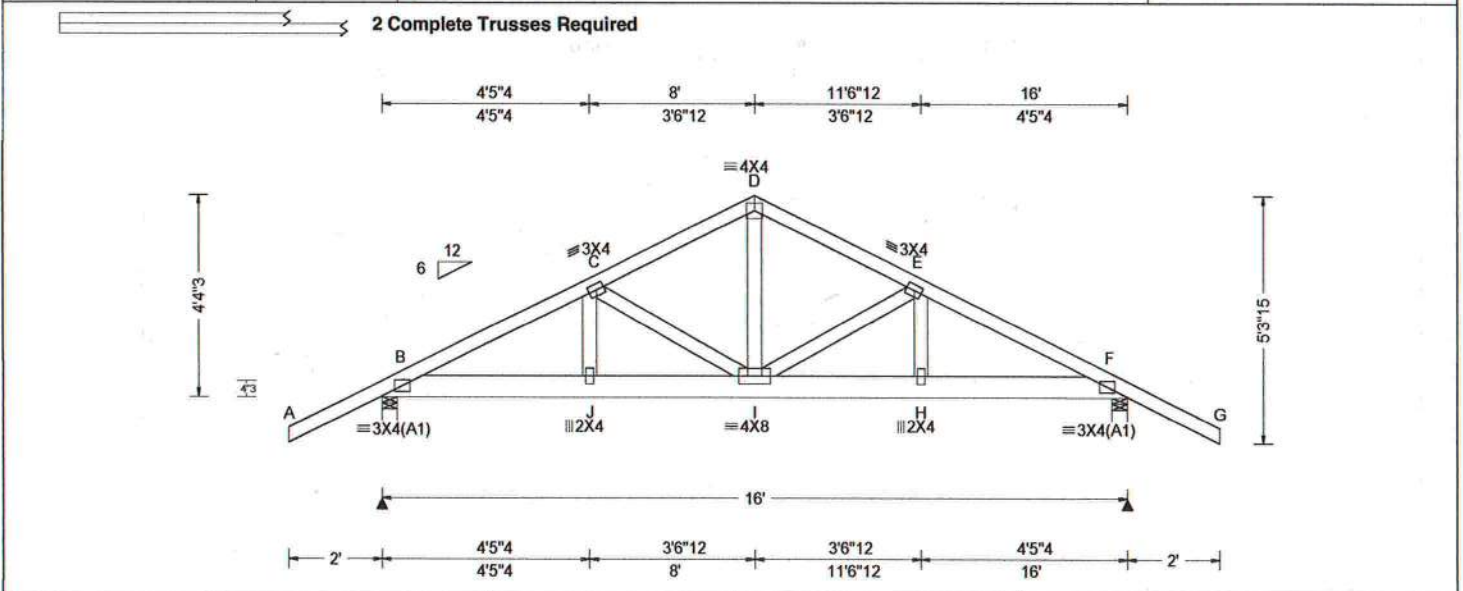
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Def/CSI Criteria	Maximum Reactions (lbs)
TCCL: 20.00 TCDL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 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	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	PP Deflection in loc L/def 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	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

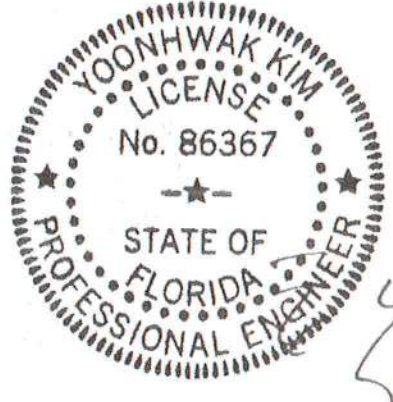
Lumber Top chord: 2x4 SP #2; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3;	Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - J 1251 -255 I - H 1251 -256 J - I 1251 -256 H - F 1251 -255
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Nailnote
Nail Schedule: 0.131"x3", 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	Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. D - I 1043 -202
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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'-4-3/4".

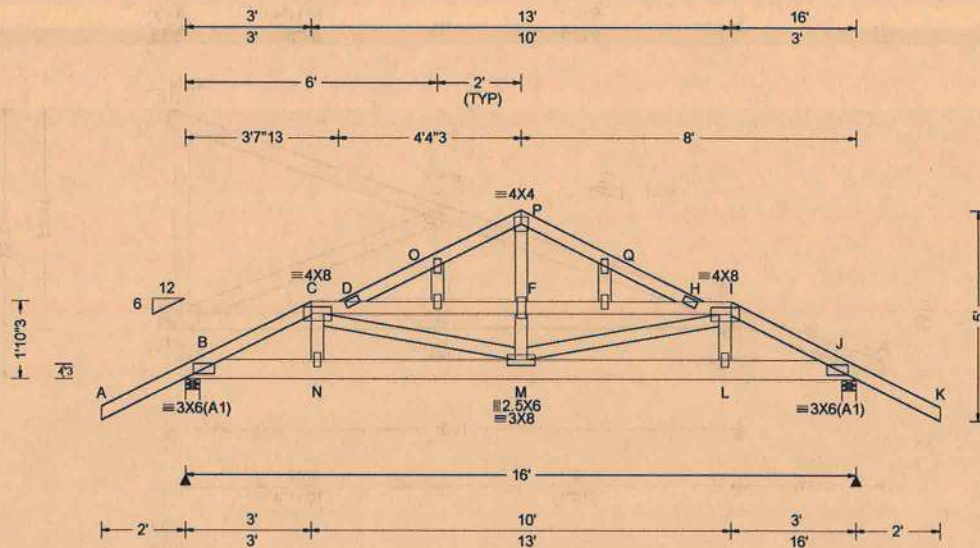


FL REG# 278, Yoonhwak Kim, FL PE #86367
07/06/2020

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SEQN: 352426 FROM: CDM	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: 20-4374 Glenwood King's Personal Residence Truss Label: H04	Cust: R 215 JRef: 1WWQ2150002 T30 DrwNo: 188.20.0918.47157 / YK 07/06/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 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	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	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	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

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	TC: From 62 plf at 18.00 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

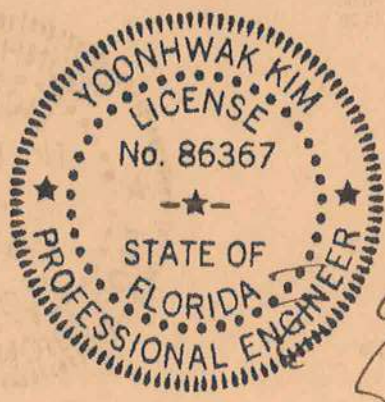
Plating Notes
All plates are 2X4 except as noted.

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.

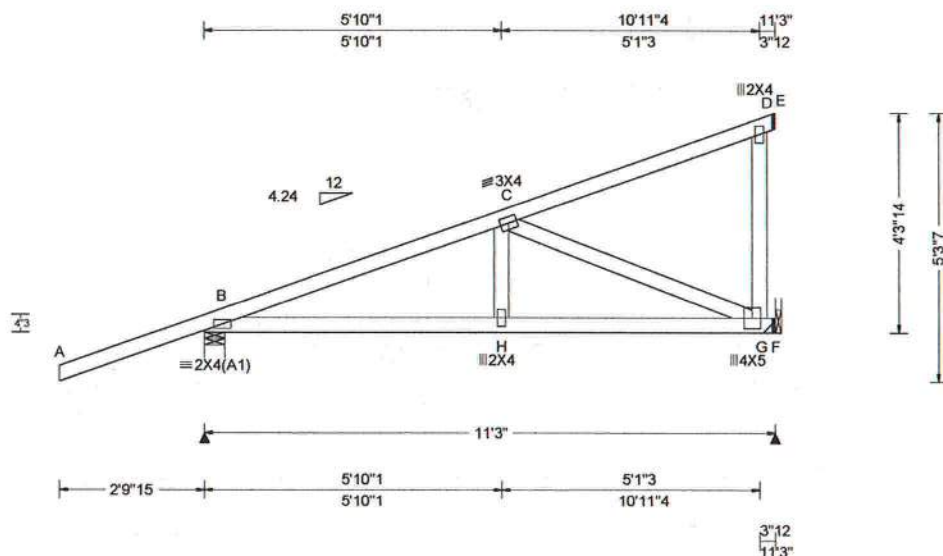
Additional Notes
See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.
The overall height of this truss excluding overhang is 1-10-3.



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

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Def/CSI Criteria	▲ Maximum Reactions (lbs)																								
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	<table><tr><th colspan="3">Gravity</th><th colspan="3">Non-Gravity</th></tr><tr><th>Loc</th><th>R+ / R-</th><th>/ Rh</th><th>/ Rw</th><th>/ U</th><th>/ RL</th></tr><tr><td>B</td><td>433</td><td>/-</td><td>/-</td><td>/-</td><td>/306</td></tr><tr><td>F</td><td>859</td><td>/-</td><td>/-</td><td>/-</td><td>/198</td></tr></table>	Gravity			Non-Gravity			Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL	B	433	/-	/-	/-	/306	F	859	/-	/-	/-	/198
Gravity			Non-Gravity																									
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL																							
B	433	/-	/-	/-	/306																							
F	859	/-	/-	/-	/198																							
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.032 H 999 240	Wind reactions based on MWFRS																								
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.061 H 999 180	B Brg Width = 4.9 Min Req = 1.5																								
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.007 G - -	F Brg Width = - Min Req = -																								
	EXP: C Kzt: NA		HORZ(TL): 0.013 G - -	Bearing B is a rigid surface.																								
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 2.0	Members not listed have forces less than 375#																								
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Max TC CSI: 0.926	Maximum Top Chord Forces Per Ply (lbs)																								
Soffit: 2.00	BCDL: 5.0 psf	FBC 2017 RES	Max BC CSI: 0.458	Chords Tens.Comp.																								
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max Web CSI: 0.574																									
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case																										
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)																										
	GCpi: 0.18	Plate Type(s):																										
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15	B - C 360 -983																								

Lumber

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

Special Loads

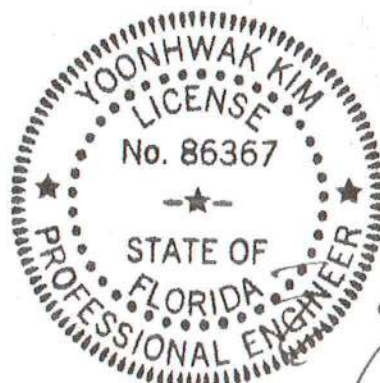
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
 TC: From -0 plf at -2.89 to 61 plf at -0.06
 TC: From 2 plf at -0.06 to 2 plf at 11.25
 BC: From 0 plf at -2.89 to 4 plf at -0.06
 BC: From 2 plf at -0.06 to 2 plf at 11.25
 TC: -88 lb Conc. Load at 1.32
 TC: 97 lb Conc. Load at 4.14
 TC: 239 lb Conc.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



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 07/06/2020

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 Orlando FL, 32821

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

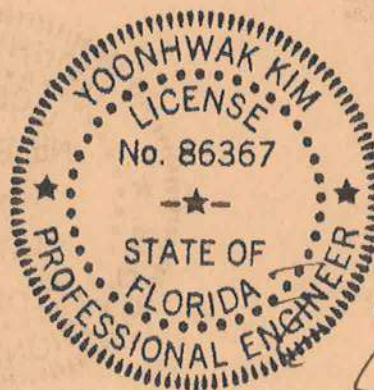
Bearing at location x=11'0"12 uses the following support conditions: 11'0"12

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.



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07/06/2020

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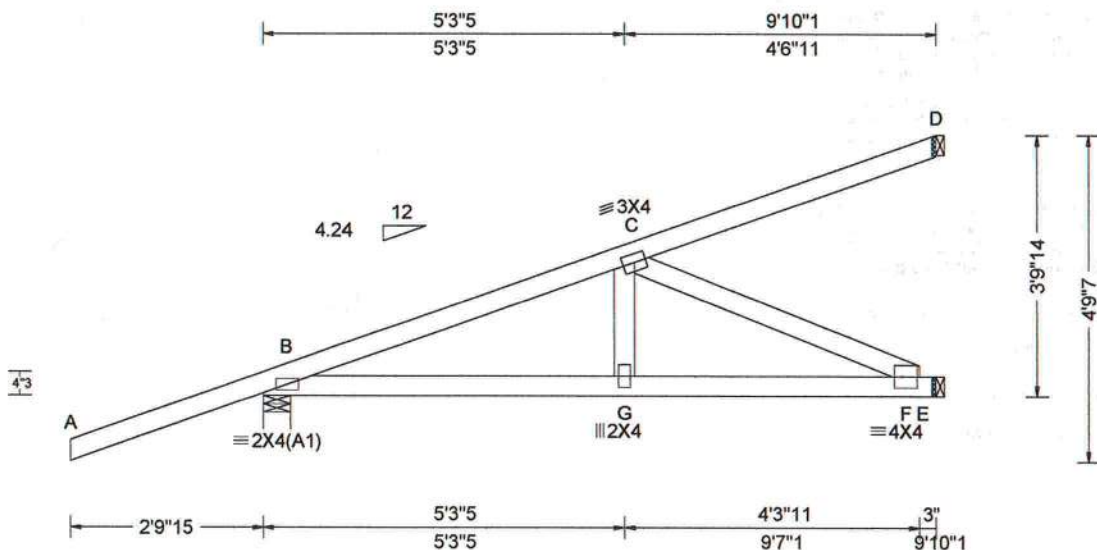
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Suite 305
Orlando FL, 32821

SEQN: 352255 FROM: CDM	HIP_	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
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 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: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def 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	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.

Lumber

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

Special Loads

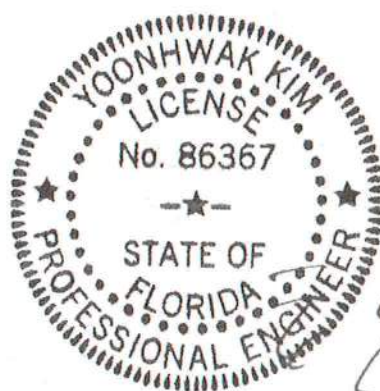
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From -0 plf at -2.83 to 61 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 9.84
BC: From 0 plf at -2.83 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 9.84
TC: -88 lb Conc. Load at 1.38
TC: 97 lb Conc. Load at 4.21
TC: 239 lb Conc. Load at 7.03
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.



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

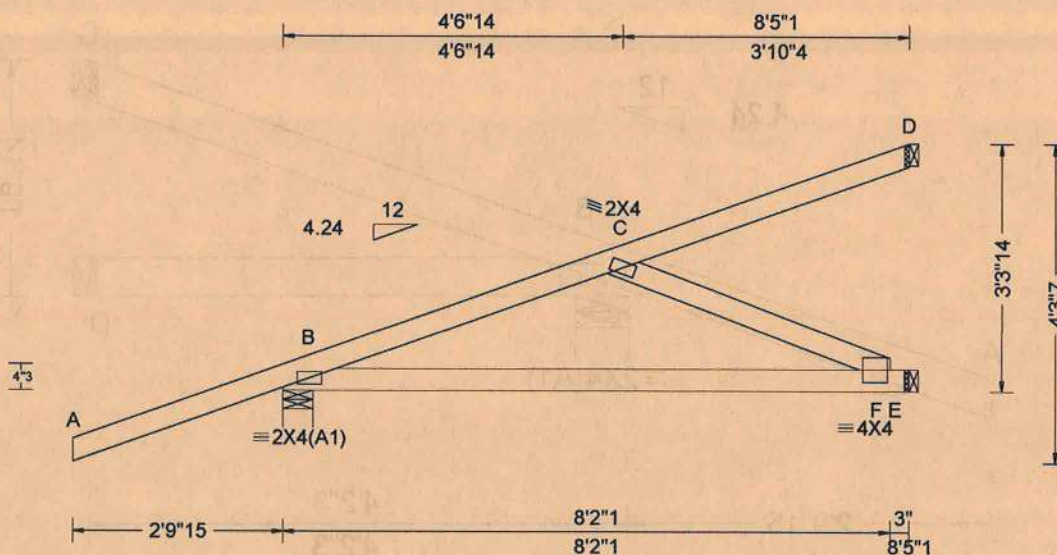
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Def/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 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: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def 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	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

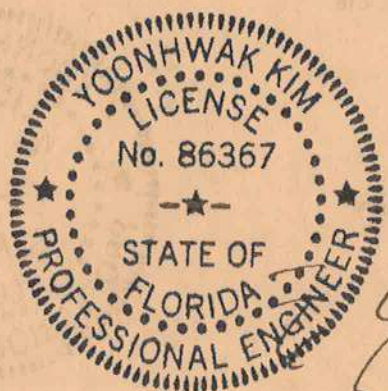
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 0 plf at -2.83 to 61 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 8.42
BC: From 0 plf at -2.83 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 8.42
TC: -88 lb Conc. Load at 1.38
TC: 97 lb Conc. Load at 4.21
TC: 239 lb Conc. Load at 7.03
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

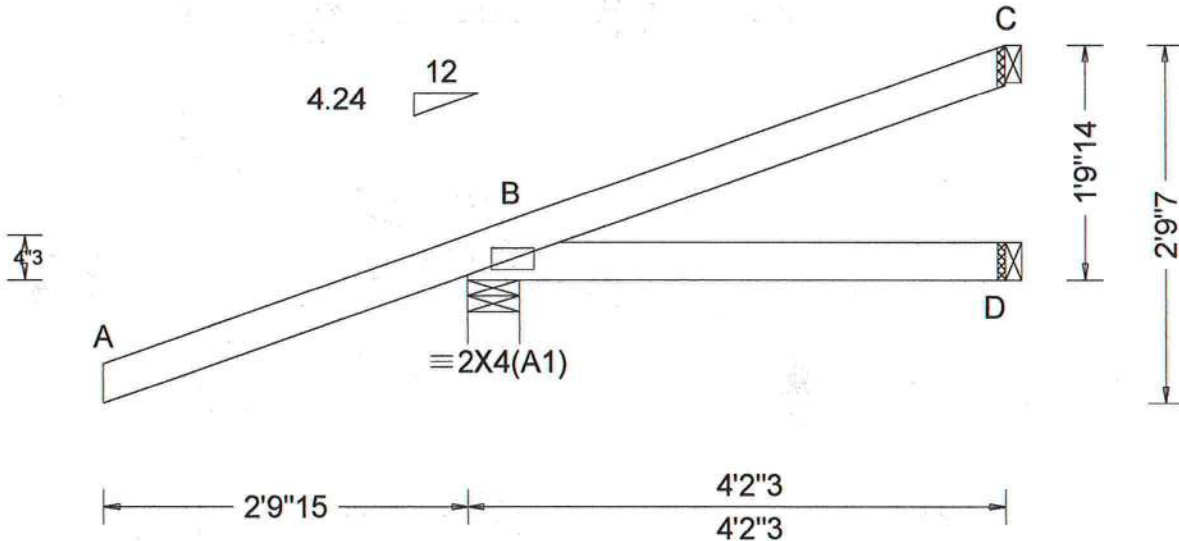
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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6750 Forum Drive
Suite 305
Orlando FL, 32821



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 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	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	PP Deflection in loc L/def 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	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

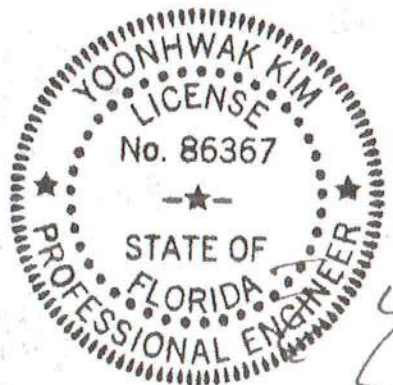
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 0 plf at -2.83 to 61 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 4.18
BC: From 0 plf at -2.83 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 4.18
TC: -88 lb Conc. Load at 1.38
BC: -11 lb Conc. Load at 1.38

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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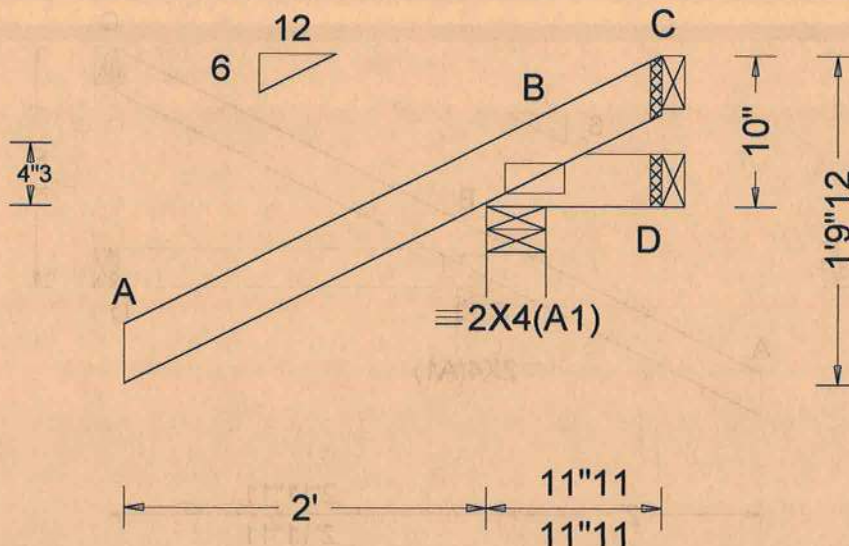
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6750 Forum Drive
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Orlando FL, 32821

SEQN: 352219 FROM: CDM	JACK Qty: 24	Ply: 1	Job Number: 20-4374 Glenwood King's Personal Residence Truss Label: J01	Cust: R 215 JRef: 1WWQ2150002 T56 DrwNo: 188.20.0919.06903 / YK 07/06/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 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	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): -0.001 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	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

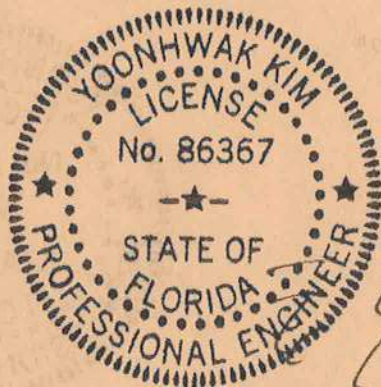
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

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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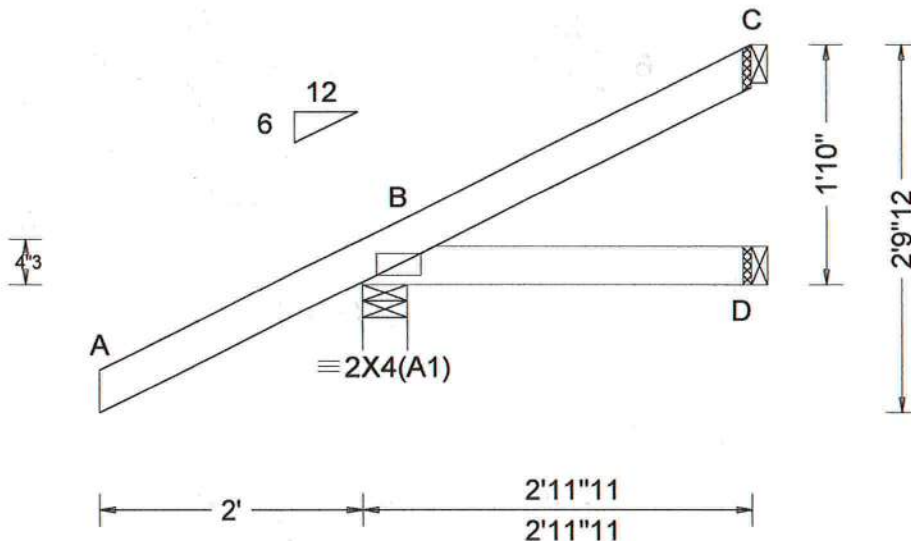
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Suite 305
Orlando FL, 32821



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 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/def 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	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

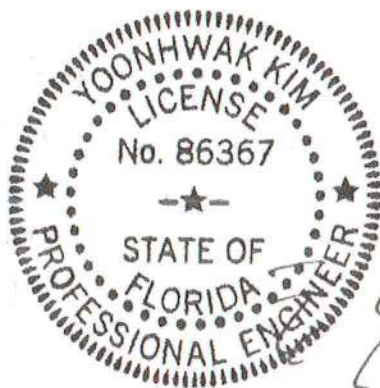
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

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.



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

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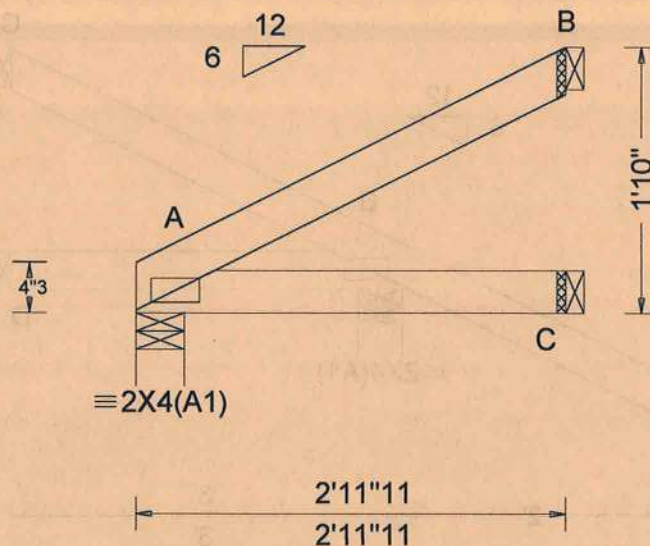
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352247 FROM: CDM	JACK Qty: 1	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
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	A	129	/-	/-	/83	/-	/28
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 C - -	C	54	/-	/-	/39	/-	/-
	EXP: C Kzt: NA		HORZ(TL): 0.003 C - -	B	80	/-	/-	/42	/15	/-
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 2.0	Wind reactions based on MWFRS						
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Max TC CSI: 0.110	A	Brg Width = 4.0		Min Req = 1.5			
Soffit: 2.00	BCDL: 5.0 psf	FBC 2017 RES	Max BC CSI: 0.087	C	Brg Width = 1.5		Min Req = -			
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max Web CSI: 0.000	B	Brg Width = 1.5		Min Req = -			
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes		Bearing A is a rigid surface.						
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		Members not listed have forces less than 375#						
	GCpi: 0.18	Plate Type(s):								
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15							

Lumber

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

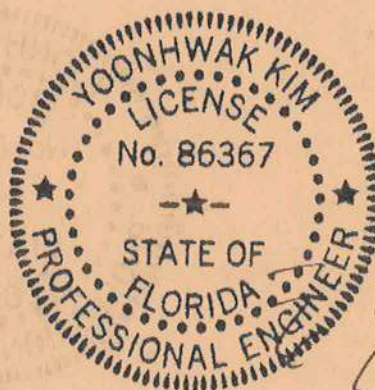
Wind

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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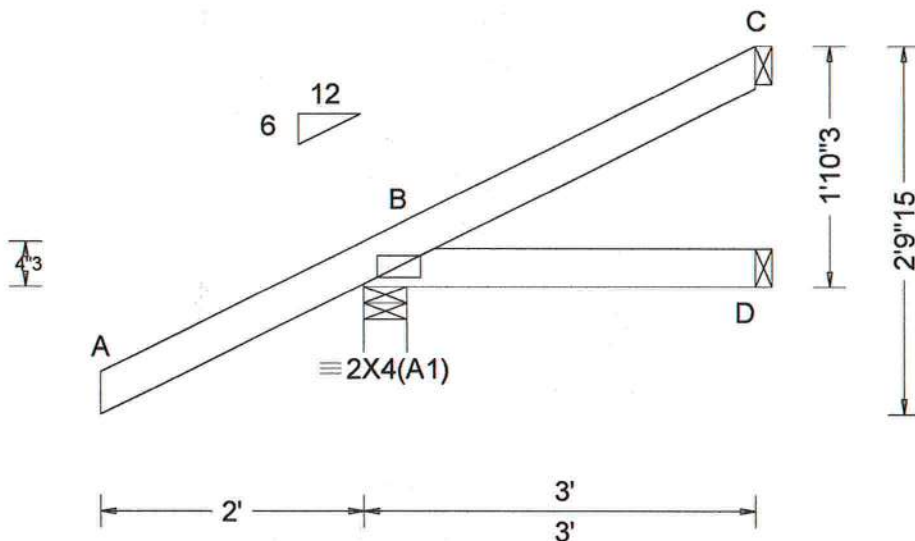
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 352432 FROM: CDM	JACK Qty: 17	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
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
				Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	B	317	/-	/-	/239	/60	/71
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	D	45	/-	/-	/41	/8	/-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	C	49	/-	/-	/27	/20	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 D - -	Wind reactions based on MWFRS						
Des Ld: 40.00	EXP: C Kzt: NA	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.002 D - -	B	Brg Width = 4.0		Min Req = 1.5			
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	D	Brg Width = 1.5		Min Req = -			
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.552	C	Brg Width = 1.5		Min Req = -			
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.121	Bearing B is a rigid surface.						
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.000	Members not listed have forces less than 375#						
	C&C Dist a: 3.00 ft			VIEW Ver: 19.02.02B.0122.15						
	Loc. from endwall: Any									
	GCpi: 0.18									
	Wind Duration: 1.60									

Lumber

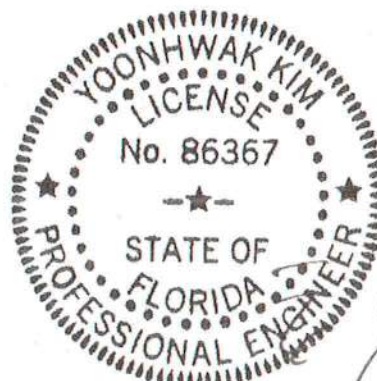
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

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 1/2\"/>



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

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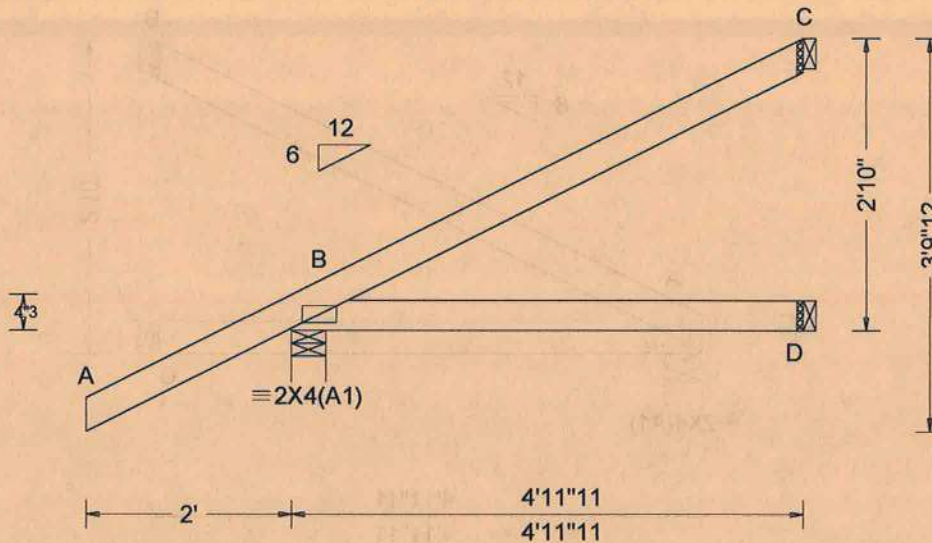
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Suite 305
Orlando FL, 32821

SEQN: 352220 FROM: CDM	JACK Qty: 15	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
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Def/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 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/def 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	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;

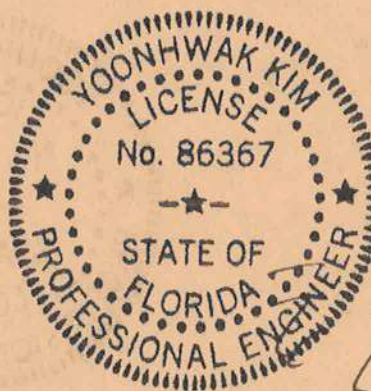
Wind

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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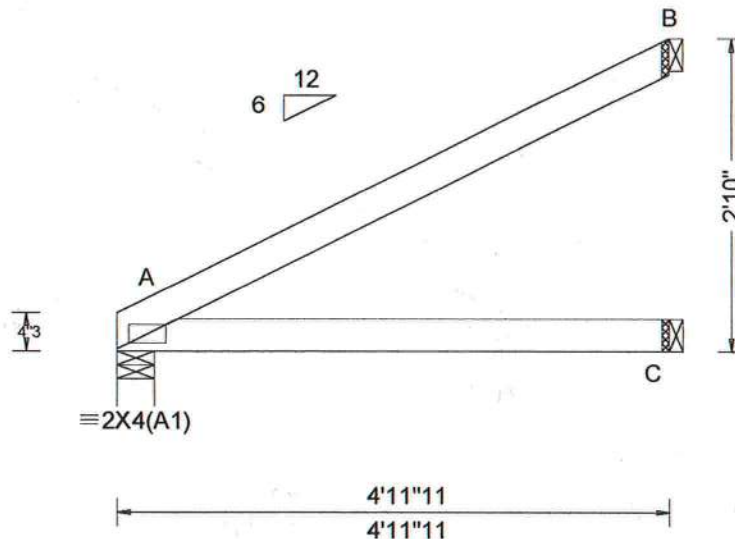
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Orlando FL, 32821



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 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	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/def 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	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

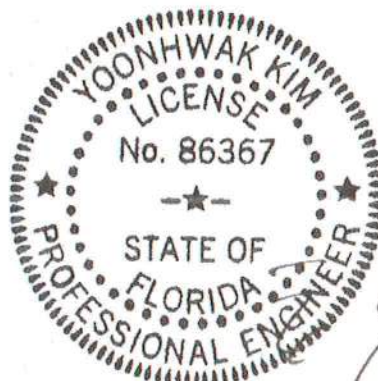
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

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".



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

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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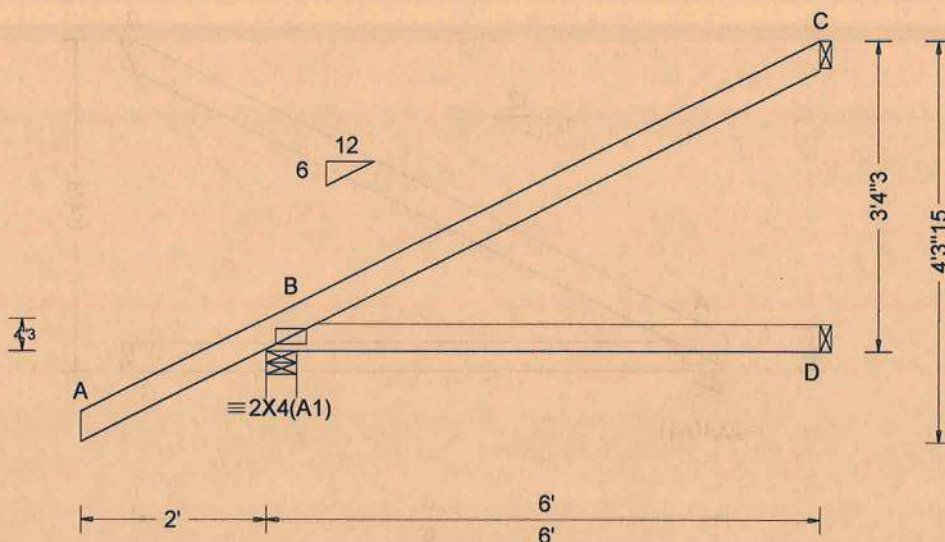
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SEQN: 352221 FROM: CDM	EJAC Qty: 6	Ply: 1 Qty: 6	Job Number: 20-4374 Glenwood King's Personal Residence Truss Label: J06	Cust: R 215 JRef: 1WWQ2150002 T31 DrwNo: 188.20.0919.15203 / YK 07/06/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 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/def 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	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;

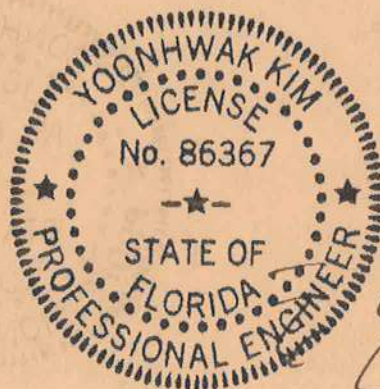
Wind

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.



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

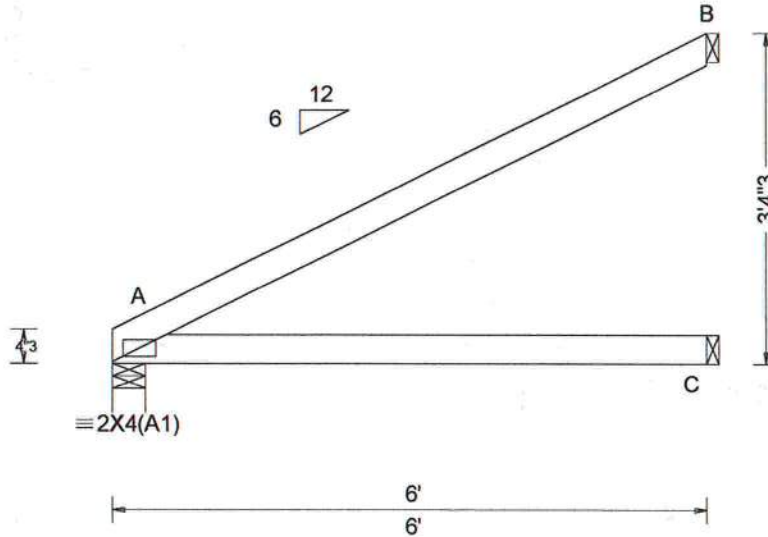
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	A	253	/-	/-	/164	/19	/85
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.010 C - -	C	112	/-	/-	/81	/1	/-
	EXP: C Kzt: NA		HORZ(TL): 0.021 C - -	B	166	/-	/-	/86	/62	/-
Des Ld: 40.00	Mean Height: 15.00 ft	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Creep Factor: 2.0	Wind reactions based on MWFRS						
NCBCLL: 10.00	TCDL: 5.0 psf		Max TC CSI: 0.579	A	Brg Width = 4.0		Min Req = 1.5			
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.400	C	Brg Width = 1.5		Min Req = -			
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.000	B	Brg Width = 1.5		Min Req = -			
Spacing: 24.0 "	C&C Dist a: 3.00 ft			Bearing A is a rigid surface.						
	Loc. from endwall: Any			Members not listed have forces less than 375#						
	GCpi: 0.18									
	Wind Duration: 1.60		VIEW Ver: 19.02.02B.0122.15							

Lumber

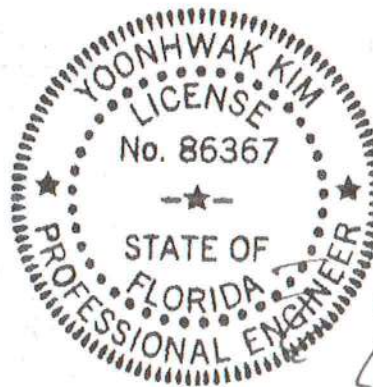
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

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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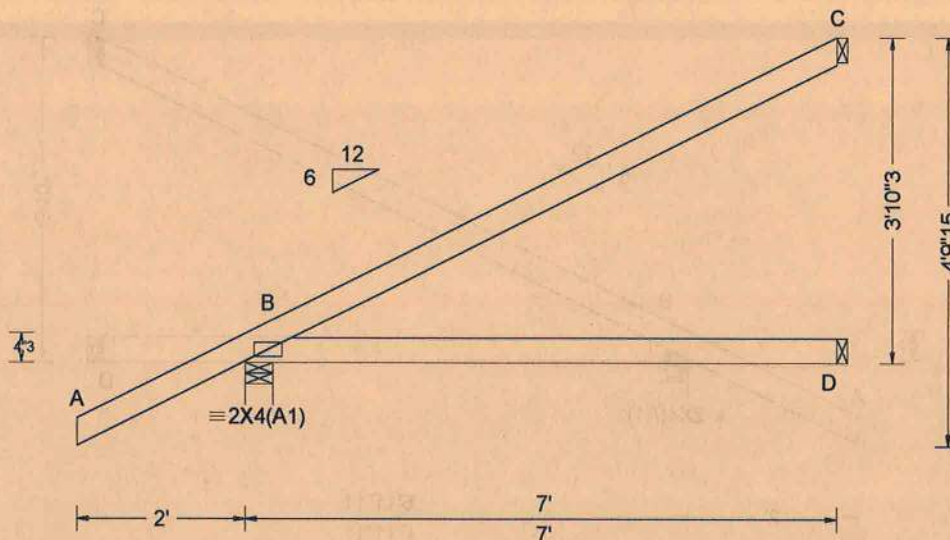
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SEQN: 352214 FROM: CDM	EJAC Qty: 14	Ply: 1 Qty: 14	Job Number: 20-4374 Glenwood King's Personal Residence Truss Label: J07	Cust: R 215 JRef: 1WWQ2150002 T7 DrwNo: 188.20.0919.17740 / YK 07/06/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Def/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 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	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;

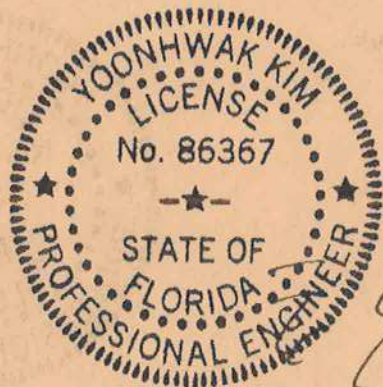
Wind

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

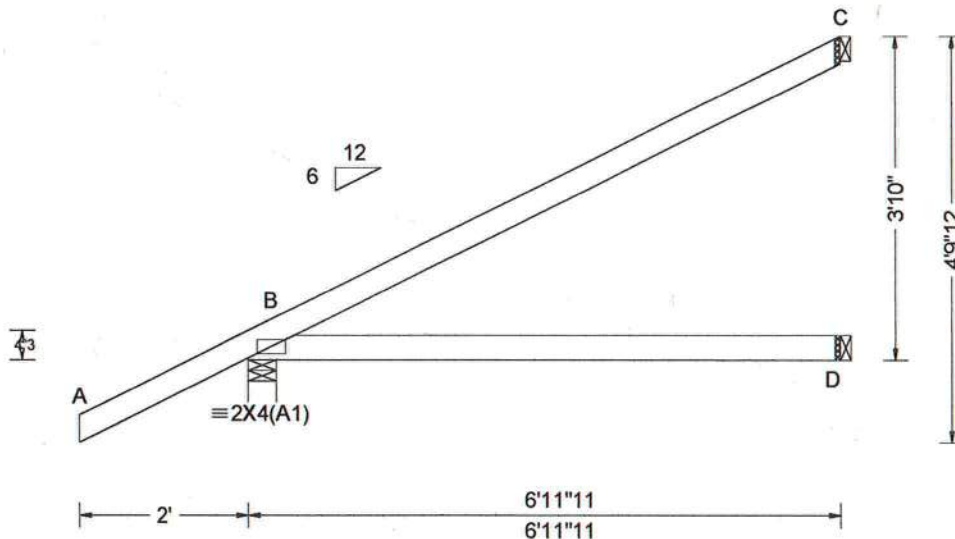
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc	R+	/R-	/Rh	/Rw	/U	/RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	B	449	/-	/-	/319	/64	/128
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.012 D - -	D	126	/-	/-	/88	/-	/-
	EXP: C Kzt: NA		HORZ(TL): 0.023 D - -	C	182	/-	/-	/91	/69	/-
Des Ld: 40.00	Mean Height: 15.00 ft	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Creep Factor: 2.0	Wind reactions based on MWFRS						
NCBCLL: 10.00	TCDL: 5.0 psf		Max TC CSI: 0.670	B	Brg Width = 4.0		Min Req = 1.5			
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.494	D	Brg Width = 1.5		Min Req = -			
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h		Max Web CSI: 0.000	C	Brg Width = 1.5		Min Req = -			
Spacing: 24.0 "	C&C Dist a: 3.00 ft			Bearing B is a rigid surface.						
	Loc. from endwall: not in 9.00 ft			Members not listed have forces less than 375#						
	GCpi: 0.18									
	Wind Duration: 1.60		VIEW Ver: 19.02.02B.0122.15							

Lumber

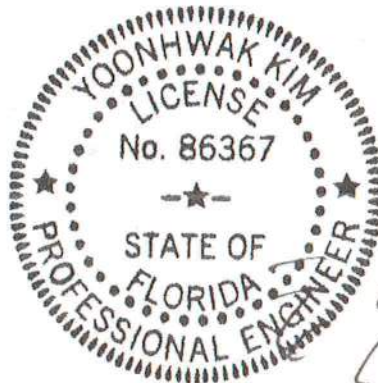
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

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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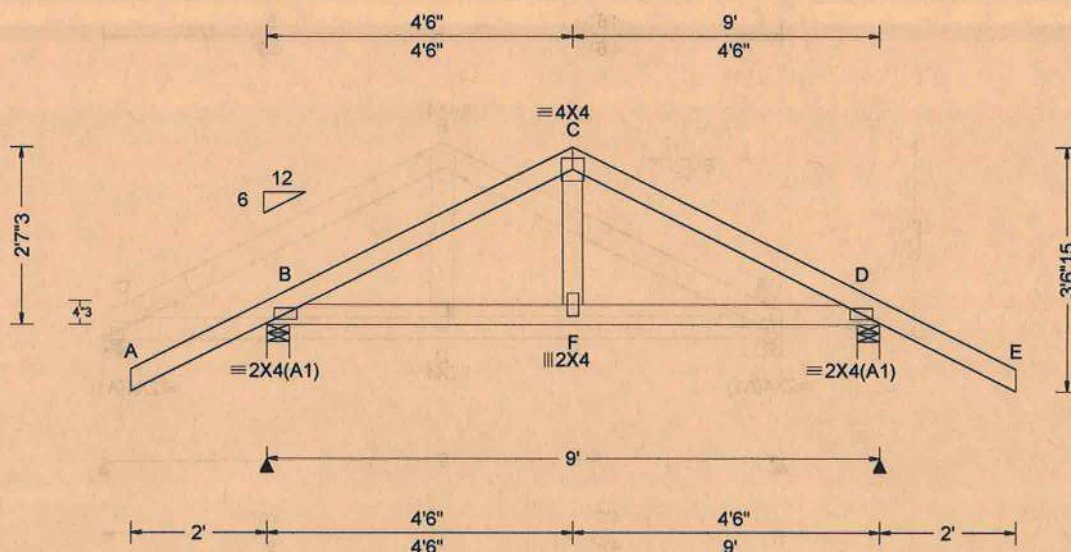
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Suite 305
Orlando FL, 32821

SEQN: 352435 FROM: CDM	COMN 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
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Def/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 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	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): 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	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;

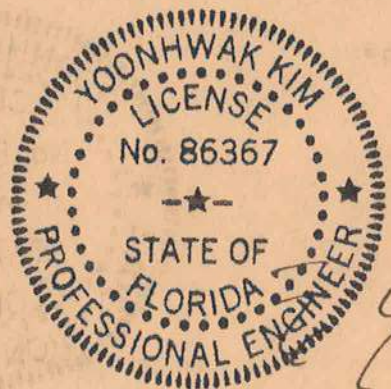
Wind

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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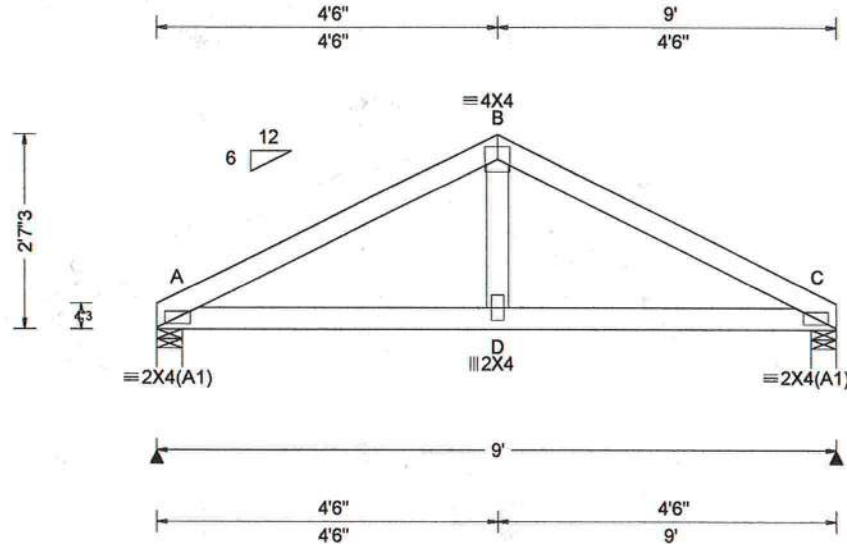
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Orlando FL, 32821

SEQN: 352438 FROM: CDM	COMN 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
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Def/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 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	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/def 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	Gravity Loc R+ / R- / Rh Non-Gravity / 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;

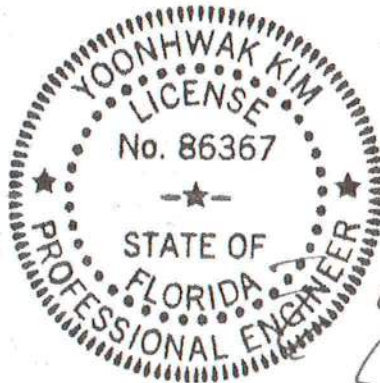
Wind

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 27-3.



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07/06/2020

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

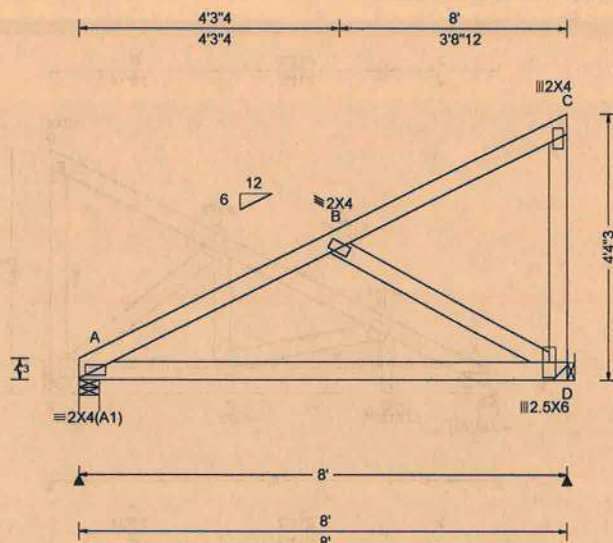
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SEQN: 352226 FROM: CDM	MONO Qty: 1	Job Number: 20-4374 Glenwood King's Personal Residence Truss Label: M01	Cust: R 215 JRef: 1WWWQ2150002 T38 DrwNo: 188.20.0919.23673 / YK 07/06/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 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/def 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	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

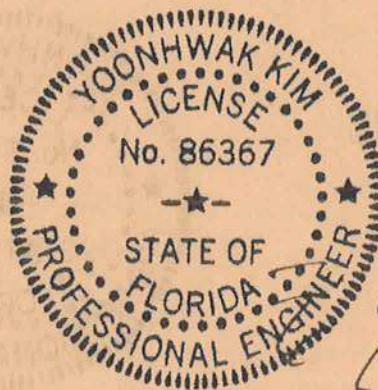
(J) Hanger Support Required, by others

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.



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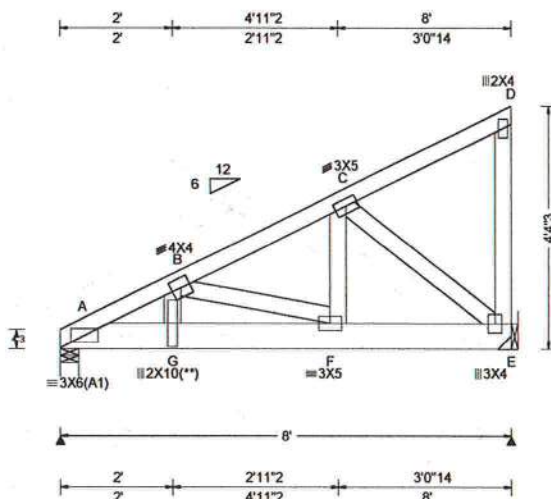
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Def/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 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	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	PP Deflection in loc L/def 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	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

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

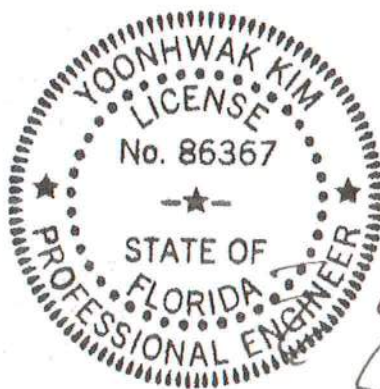
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

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.



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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

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Hangers / Ties

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

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

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

Bearing at location x=7'9" uses the following support conditions: 7'9"

Bearing E (7'9", 9') HGUS26-2

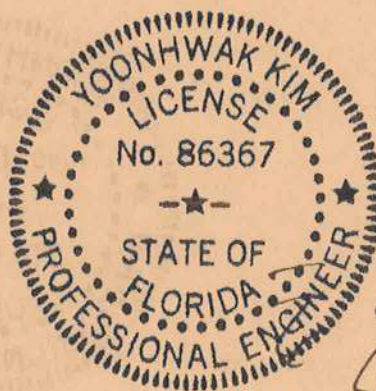
Supporting Member: (2)2x6 SP 2400F-2.0E

(20) 0.148"x3" nails into supporting

member,

(6) 0.148"x3" nails into supported

member.



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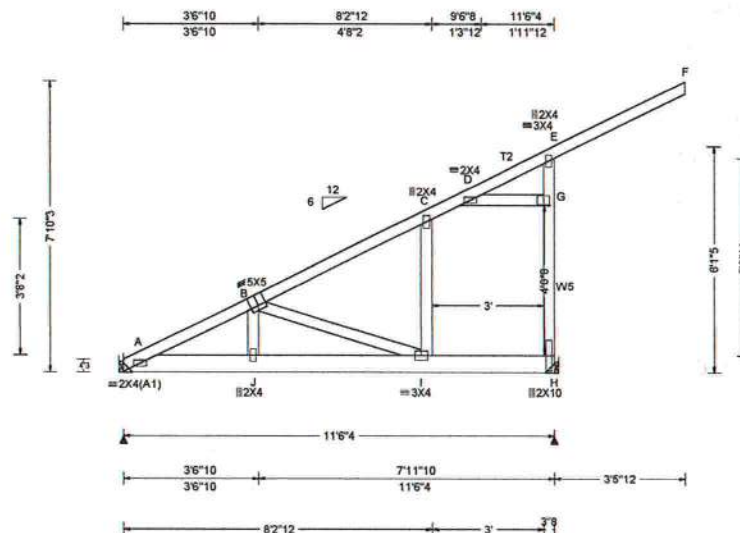
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Def/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 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	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/def 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	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

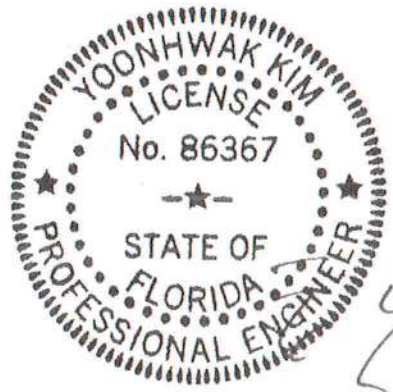
Lumber
Top chord: 2x4 SP #2; T2 2x4 SP M-31;
Bot chord: 2x6 SP 2400F-2.0E;
Webs: 2x4 SP #3; W5 2x4 SP M-31;

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.

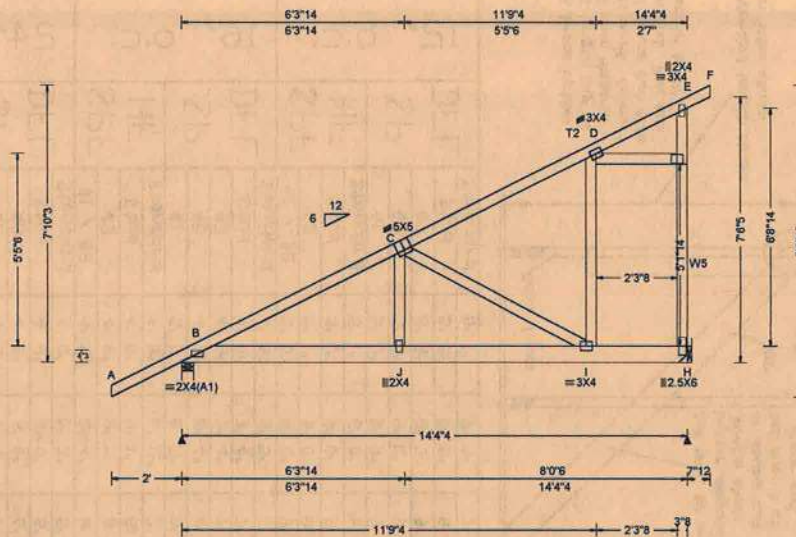
Additional Notes
The overall height of this truss excluding overhang is 7'-10-3/4".



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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.146 D 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.275 D 620 180	B 750 /- /- /506 /12 /162
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.067 D - -	H 701 /- /- /416 /74 /-
Des Ld: 40.00	EXP: C Kzt: NA	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.126 D - -	Wind reactions based on MWFRS
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	B Brg Width = 4.0 Min Req = 1.5
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.408	H Brg Width = - Min Req = -
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.469	Bearing B is a rigid surface.
Spacing: 24.0"	MWFRS Parallel Dist: h to 2h		Max Web CSI: 0.618	Members not listed have forces less than 375#
	C&C Dist a: 3.00 ft			Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: not in 9.00 ft			Chords Tens.Comp.
	GCpi: 0.18			
	Wind Duration: 1.60		VIEW Ver: 19.02.02B.0122.15	B - C 33 -953

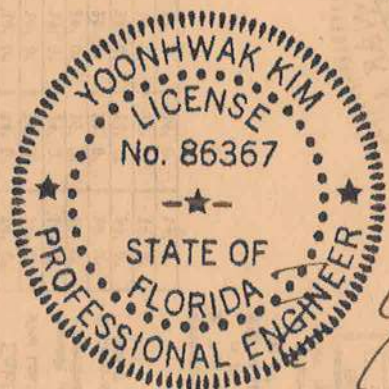
Lumber
Top chord: 2x4 SP #2; T2 2x4 SP M-31;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W5 2x4 SP M-31;

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'-10-3/4".



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ASCE 7-10: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, $K_{zt} = 1.00$

Run	Wind Speed, 15' Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00
Run 120 mph	Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00
Run 100 mph	Wind Speed, 15' Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00

Bracing Group Species and Grades

Group A1

Service-Pine-Fir #1 / #2 Standard	Hem-Fir #2 #3 Standard
--	--

Douglas Fir-Larch #3 Stud Standard	Southern Premium #3 Stud Standard
--	---

Group B1

Hem-Fir #1 & Btr #1	Southern Premium #1 #2
----------------------------------	-------------------------------------

1x4 Species shall be SRB (Stress-Rated Board)-
name or 1x4 So. Pine use only Industrial, SS or
Industrial 4S Stress-Rated Boards. Group 1
values may be used with these grades.

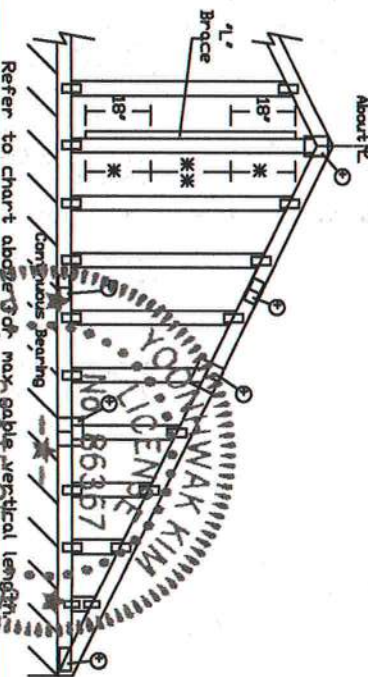
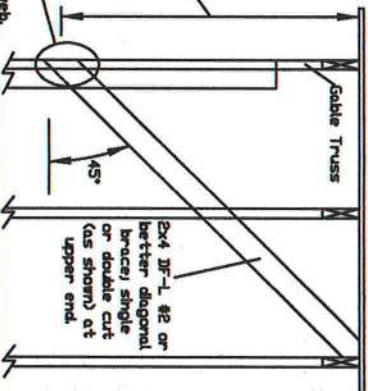
Provide uplift connections for 55 plf over continuous bearing (3 psf TC Dead Load, Gable end supports load from 4' 0" outboomers with 2' 0" overhang, or 12" plywood overhang

Attach 1" braces with 10d Q128"x3.0" n/wy n/wl.
 * For (D) 1" braces: space n/wl at 2' o.c.
 In 18" end zones and 4' o.c. between zones.
 * For (E) 1" braces: space n/wl at 3' o.c.
 In 18" end zones and 6' o.c. between zones.
 1" 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 condition not addressed by this detail.



Diagonal brace options
vertical length may be
doubled when diagonal
brace is used. Connect
diagonal brace for 450#
at each end. Max web
total length is 14'.
Vertical length shown
in table above.
Connect diagonal at
midpoint of vertical web.

- VARIATIONS— READ AND FILED ALL NOTES ON THIS DRAWING
- INTERVIEWS— ELIMINATE THE DRAWING TO ALL CONTRACTORS DURING THE INSTALLERS



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Maryland Heights, MO 63043

[illegible]

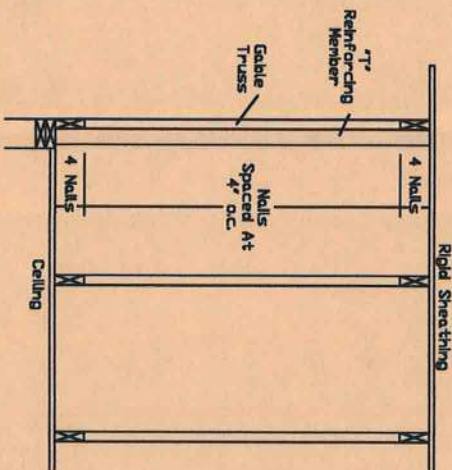
MAX. TDT. L.D. 60 PSF
MAX. SPACING 24.0'

REF ASCE7-10-GABI4015

DATE 10/01/14

DRWG A14015ENC10101

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



For more information see this job's general notes page and these web sites:
ALPINED www.alpined.com TPJ www.tpjstony.com SDCA www.sdcastry.com ICD www.icd.com

Web Length Increase w/ 'T' Brace

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

Tr ^a Relnfr, Mbr. Size	Tr ^a Increase
2x4	30 %
2x6	20 %

DRWG GBLLETIN0118

MAX. SPACING 24.0"

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

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