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39125

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Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 19-3823
Job Description: /Nagy Residence /SPARKS CONST.	
Address: LAKE CITY, FL	

Job Engineering Criteria:			
Design Code: FBC 2017 RES		IntelliVIEW Version: 18.02.01B	
		JRef #: 1WSO2150005	
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, 24 truss drawing(s) and 1 detail(s).

Item	Drawing Number	Truss
1	042.20.0922.01033	A01
3	042.20.0922.06003	A03
5	042.20.0922.08517	A05
7	042.20.0922.11293	A07
9	042.20.0922.14280	A09
11	042.20.0922.17070	A11
13	042.20.0922.19600	A13
15	042.20.0922.22170	A15
17	042.20.0922.24110	B01
19	042.20.0922.26107	B03
21	042.20.0922.28327	J1
23	042.20.0922.30110	J5
25	BRCLBSUB0119	

Item	Drawing Number	Truss
2	042.20.0922.03040	A02
4	042.20.0922.07133	A04
6	042.20.0922.09727	A06
8	042.20.0922.12840	A08
10	042.20.0922.15620	A10
12	042.20.0922.18407	A12
14	042.20.0922.20880	A14
16	042.20.0922.23213	A16
18	042.20.0922.25123	B02
20	042.20.0922.27120	HJ1
22	042.20.0922.29217	J3
24	042.20.0922.34933	J7

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 AF&PA. 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.

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.

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

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.

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 immediate vertical Deflection, 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(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. AF&PA: American Forest & Paper Association, 1111 19th Street, NW, Suite 800, Washington, DC 20036; www.afandpa.org.

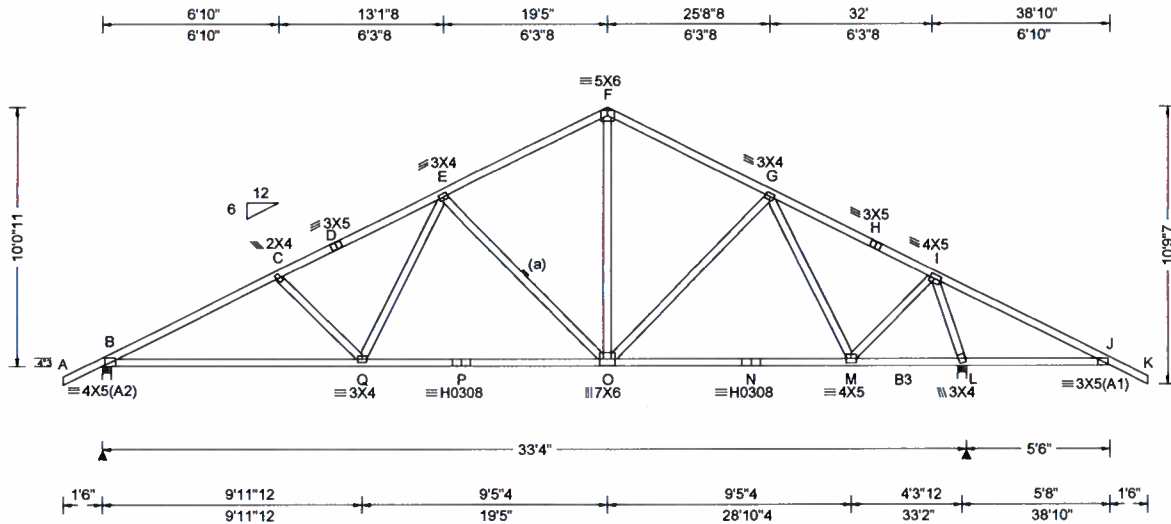
2. ICC: International Code Council; www.iccsafe.org.

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, 218 North Lee Street, Suite 312, Alexandria, VA 22314; www.tpinst.org.

5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www.sbcindustry.co

SEQN: 307707 FROM: CDM	COMN Ply: 1 Qty: 5	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: A01	Cust: R 215 JRef: 1WSO2150005 T17 DrwNo: 042.20.0922.01033 JB / YK 02/11/2020
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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 to 2h C&C Dist a: 3.88 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg 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/def L/# VERT(LL): 0.104 Q 999 240 VERT(CL): 0.201 Q 999 180 HORZ(LL): 0.032 M - - HORZ(TL): 0.065 L - - Creep Factor: 2.0 Max TC CSI: 0.827 Max BC CSI: 0.841 Max Web CSI: 0.740 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL B 1571 - / - / - / 905 / 32 / 300 L 2159 - / - / - / 1309 / 73 / - Non-Gravity Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 L Brg Width = 4.0 Min Req = 2.2 Bearings B & L are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 526 -2677 F - G 394 -1515 C - D 493 -2397 G - H 286 -1156 D - E 513 -2334 H - I 265 -1222 E - F 415 -1514 I - J 817 -633

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

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

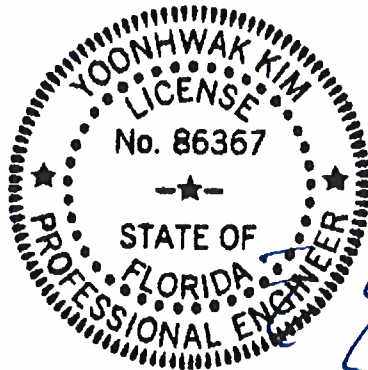
Wind

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

Right cantilever is exposed to wind

Additional Notes

The overall height of this truss excluding overhang is 10-0-11.



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

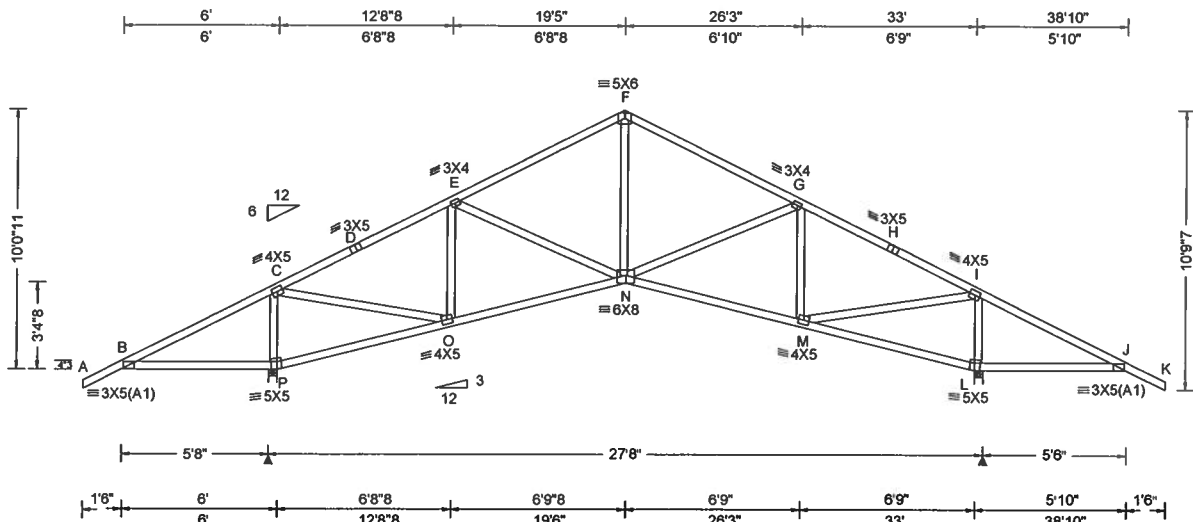
Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - Q	2317 -352	N - M	1271 -129
Q - P	1809 -209	M - L	545 -330
P - O	1809 -209	L - J	672 -656
O - N	1271 -129		

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
Q - E	608 -88	G - M	316 -711
E - O	239 -770	M - I	1256 -318
F - O	887 -186	I - L	643 -2155

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 307930 FROM: CDM	COMN Ply: 1 Qty: 7	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: A02	Cust: R 215 JRef: 1WSO2150005 T11 DrwNo: 042.20.0922.03040 JB / YK 02/11/2020
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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): 0.051 N 999 240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.112 N 999 180	P	1758	/-	/-	/1220	/72	/299
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.030 L - -	L	1739	/-	/-	/1206	/68	/-
	EXP: C Kzt: NA		HORZ(TL): 0.069 L - -	Wind reactions based on MWFRS						
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 2.0	P	Brg Width = 4.0		Min Req = 2.1			
NCBCLL: 10.00	TCDL: 5.0 psf		Max TC CSI: 0.790	L	Brg Width = 4.0		Min Req = 2.1			
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.538	Bearings P & L are a rigid surface.						
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h		Max Web CSI: 0.580	Members not listed have forces less than 375#						
Spacing: 24.0 "	C&C Dist a: 3.88 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	781	-655	F - G	166	-1204	
	Wind Duration: 1.60									

Lumber

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

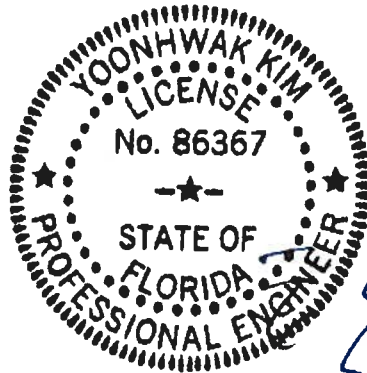
Wind

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

Left and right cantilevers are exposed to wind

Additional Notes

The overall height of this truss excluding overhang is 10'-0-11.



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02/11/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - P	685 -622	N - M	1069 -121
P - O	695 -678	M - L	711 -666
O - N	1044 -243	L - J	675 -610

Maximum Web Forces Per Ply (lbs)

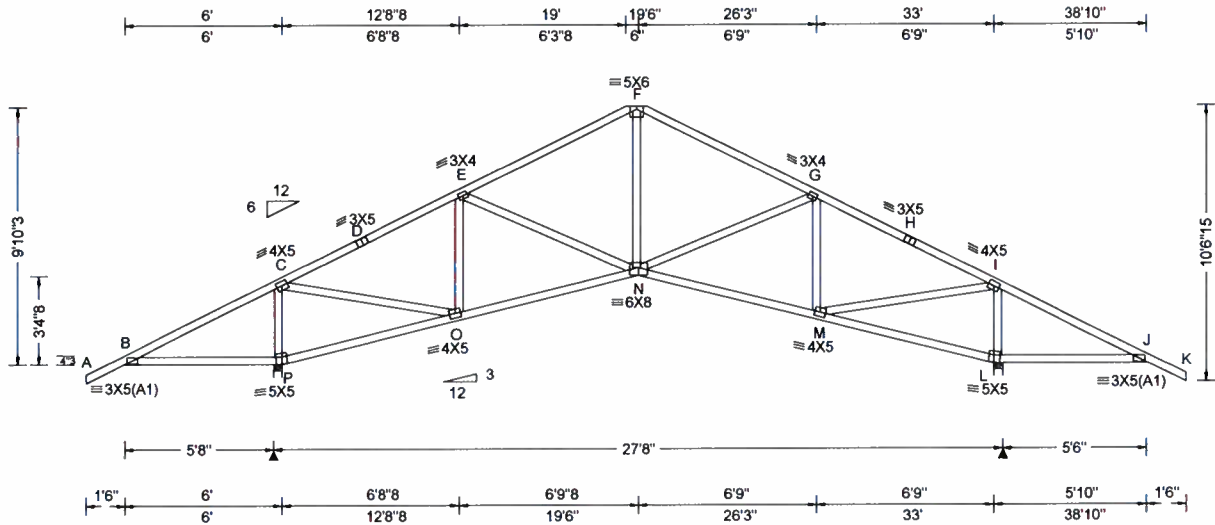
Webs	Tens.Comp.	Webs	Tens. Comp.
C - P	461 -1451	G - M	238 -523
C - O	1504 -399	M - I	1521 -393
O - E	247 -537	L - I	448 -1437
F - N	585 -84		

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Maryland Heights, MO 63043



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/def L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.051 N 999 240	Loc	R+	/R-	/Rh	/Rw	/U	/RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.112 N 999 180	P	1758	/-	/-	/1214	/71	/294
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.030 L - -	L	1739	/-	/-	/1200	/68	/-
Des Ld: 40.00	EXP: C Kzt: NA	Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.069 L - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	P	Brg Width = 4.0		Min Req = 2.1			
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.790	L	Brg Width = 4.0		Min Req = 2.1			
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.538	Bearings P & L are a rigid surface.						
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h		Max Web CSI: 0.580	Members not listed have forces less than 375#						
	C&C Dist a: 3.88 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		VIEW Ver: 18.02.01B.0321.08	B - C	781	- 655	F - G	150	- 1208	
	Wind Duration: 1.60			C - D	154	- 1185	G - H	182	- 1122	
				D - E	173	- 1099	H - I	164	- 1213	
				E - F	161	- 1198	I - J	765	- 645	

Lumber

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

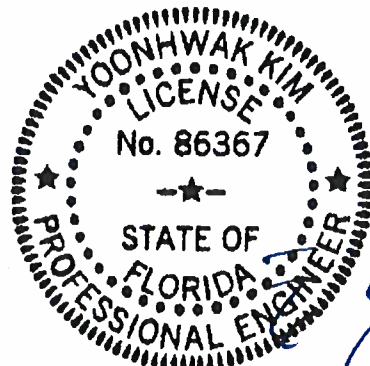
Wind

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

Left and right cantilevers are exposed to wind

Additional Notes

The overall height of this truss excluding overhang is 9'-10.3."



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02/11/2020

Maximum Bot Chord Forces Per Ply (lbs)					
Chords	Tens.Comp.	Chords	Tens. Comp.	Chords	Tens. Comp.
B - P	685 - 622	N - M	1069 - 123		
P - O	695 - 678	M - L	711 - 666		
O - N	1044 - 243	L - J	675 - 610		

Maximum Web Forces Per Ply (lbs)					
Webs	Tens.Comp.	Webs	Tens. Comp.	Webs	Tens. Comp.
C - P	454 - 1451	G - M	234 - 523		
C - O	1504 - 390	M - I	1522 - 384		
O - E	243 - 537	L - I	442 - 1437		
F - N	578 - 83				

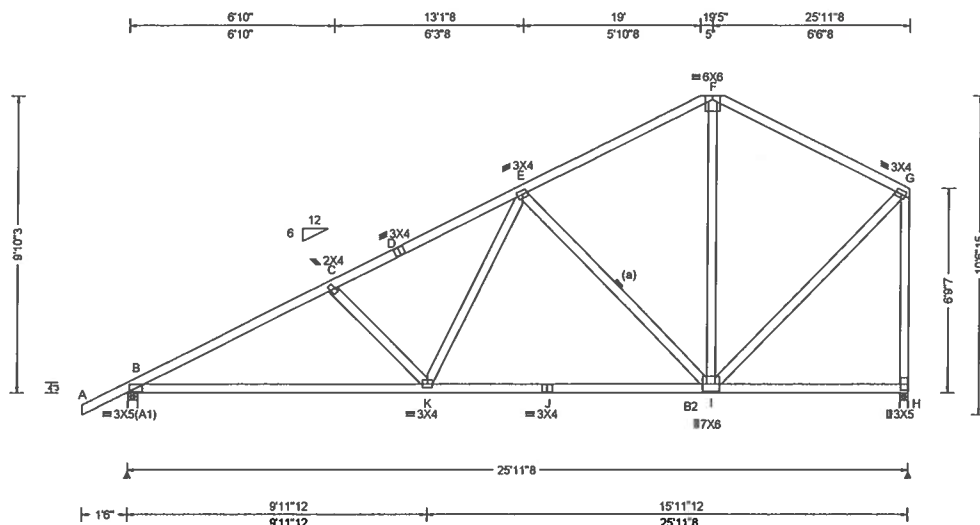
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SEQN: 307719 FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: A04	Cust: R 215 JRef: 1WSO2150005 T9 DrwNo: 042.20.0922.07133 JB / YK 02/11/2020
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Loading 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): 0.053 K 999 240	Loc	R+	/R-	/Rh	/Rw	/U	/RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.109 K 999 180	B	1179	/-	/-	/753	/37	/215
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.015 I - -	H	1059	/-	/-	/587	/29	/-
	EXP: C Kzt: NA		HORZ(TL): 0.031 I - -	Wind reactions based on MWFRS						
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 2.0	B	Brg Width = 4.0		Min Req = 1.5			
NCBCLL: 10.00	TCDL: 5.0 psf		Max TC CSI: 0.641	H	Brg Width = 3.5		Min Req = 1.5			
Soffit: 2.00	BCDL: 5.0 psf	Code / Misc Criteria	Max BC CSI: 0.777	Bearings B & H are a rigid surface.						
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	Bldg code: FBC 2017 RES	Max Web CSI: 0.858	Members not listed have forces less than 375#						
Spacing: 24.0 "	C&C Dist a: 3.00 ft	TPI Std: 2014		Maximum Top Chord Forces Per Ply (lbs)						
	Loc. from endwall: not in 9.00 ft	Rep Fac: Yes		Chords	Tens.Comp.		Chords	Tens. Comp.		
	GCpi: 0.18	FT/RT:20(0)/10(0)		B - C	337	-1817	E - F	217	-720	
	Wind Duration: 1.60	Plate Type(s):	VIEW Ver: 18.02.01B.0321.08							
		WAVE								

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

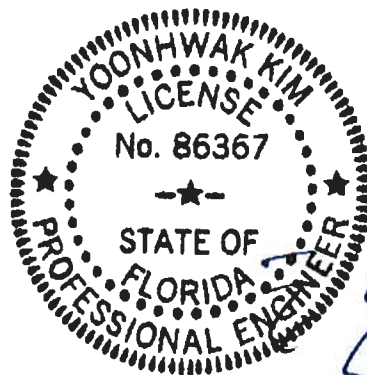
Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

The overall height of this truss excluding overhang is 9'-10"-3."



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

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - K	1554 -428	J - I	1061 -283
K - J	1061 -283		

Maximum Web Forces Per Ply (lbs)

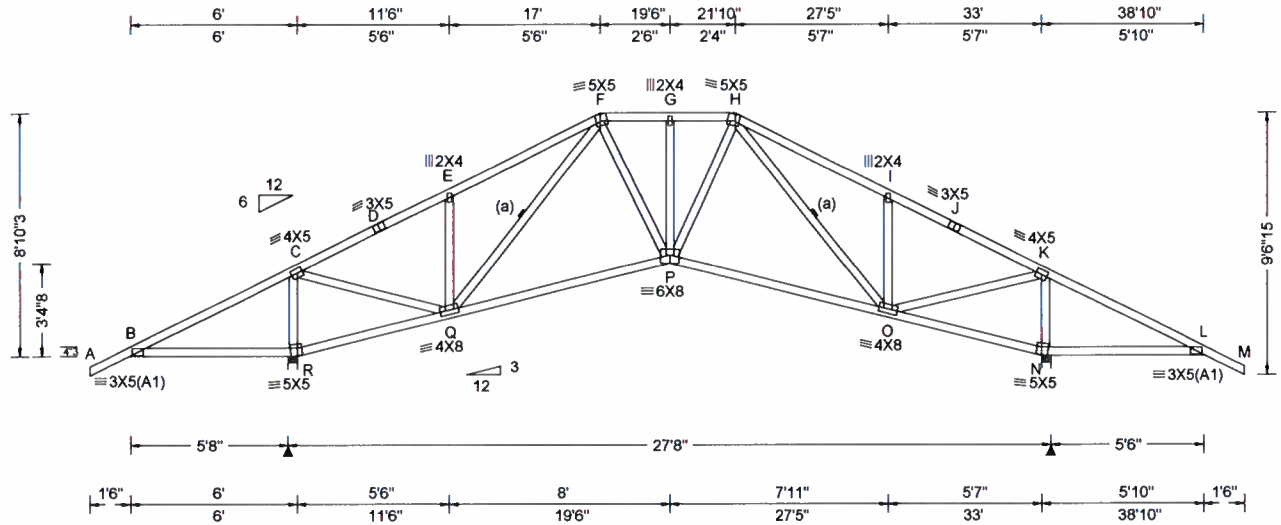
Webs	Tens.Comp.	Webs	Tens. Comp.
C - K	156 -386	I - G	802 -180
K - E	585 -90	G - H	294 -1012
E - I	223 -706		

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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/def L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.048 G 999 240	Loc	R+	/R-	/Rh	/Rw	/U	/RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.105 G 999 180	R	1758	-	-	/1222	/78	/266
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.032 N - -	N	1739	-	-	/1208	/74	-
Des Ld: 40.00	EXP: C Kzt: NA	Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.071 N - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	R	Brg Width = 4.0		Min Req = 2.1			
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.611	N	Brg Width = 4.0		Min Req = 2.1			
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.686	Bearings R & N are a rigid surface.						
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h		Max Web CSI: 0.556	Members not listed have forces less than 375#						
	C&C Dist a: 3.88 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		VIEW Ver: 18.02.01B.0321.08	B - C	789	-653	G - H	223	-1180	
	Wind Duration: 1.60			C - D	204	-1074	H - I	326	-1111	

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

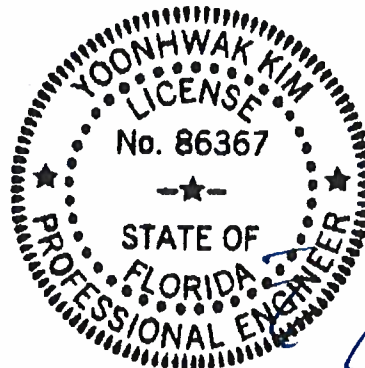
Wind

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

Left and right cantilevers are exposed to wind

Additional Notes

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



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 - R	686 -630	P - O	1083 -117
R - Q	696 -683	O - N	713 -671
Q - P	1071 -166	N - L	676 -618

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - R	473 -1461	P - H	429 -70
C - Q	1439 -405	H - O	175 -378
Q - F	195 -413	O - K	1460 -402
F - P	445 -58	N - K	461 -1446

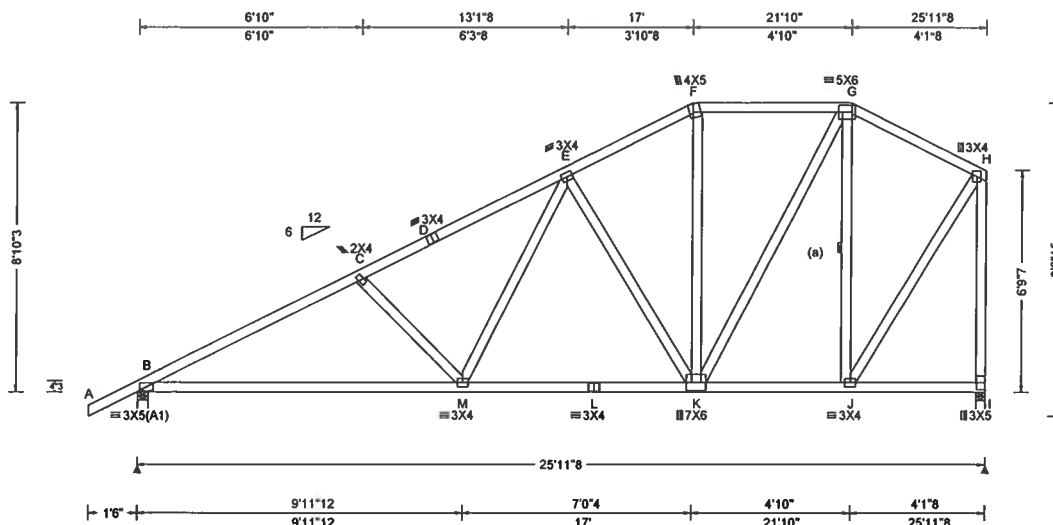
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-10 Speed: 130 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 to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.059 M 999 240 VERT(CL): 0.119 M 999 180 HORZ(LL): 0.019 J - - HORZ(TL): 0.039 J - - Creep Factor: 2.0 Max TC CSI: 0.480 Max BC CSI: 0.983 Max Web CSI: 0.870 VIEW Ver: 18.02.01B.0321.08	▲ Maximum Reactions (lbs) <div style="display: flex; justify-content: space-between;"> <div>Gravity</div> <div>Non-Gravity</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Loc</div> <div>R+ / R-</div> <div>/ Rh</div> <div>/ Rw</div> <div>/ U</div> <div>/ RL</div> </div> B 1179 /- /- /761 /59 /189 I 1059 /- /- /585 /80 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 I Brg Width = 3.5 Min Req = 1.5 Bearings B & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) <div style="display: flex; justify-content: space-between;"> <div>Chords</div> <div>Tens.Comp.</div> <div>Chords</div> <div>Tens. Comp.</div> </div> B - C 379 - 1815 E - F 289 - 878 C - D 344 - 1525 F - G 290 - 730 D - E 365 - 1463 G - H 193 - 545						
Lumber										

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

(a) Continuous lateral restraint equally spaced on member.

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

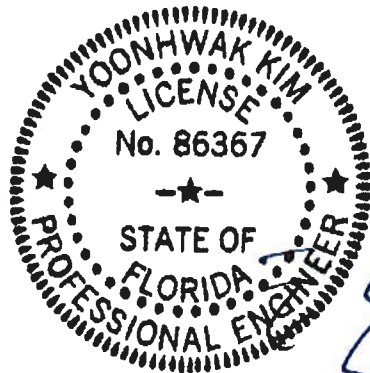
Right end vertical not exposed to wind pressure.

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

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

Maximum Bot Chord Forces Per Ply (lbs)					
Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - M	1554	-465	L - K	1056	-315
M - L	1056	-315	K - J	446	-125

Maximum Web Forces Per Ply (lbs)					
Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - M	160	-400	G - J	211	-606
M - E	551	-97	J - H	831	-233
E - K	205	-621	H - I	331	-1027
K - G	589	-169			



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

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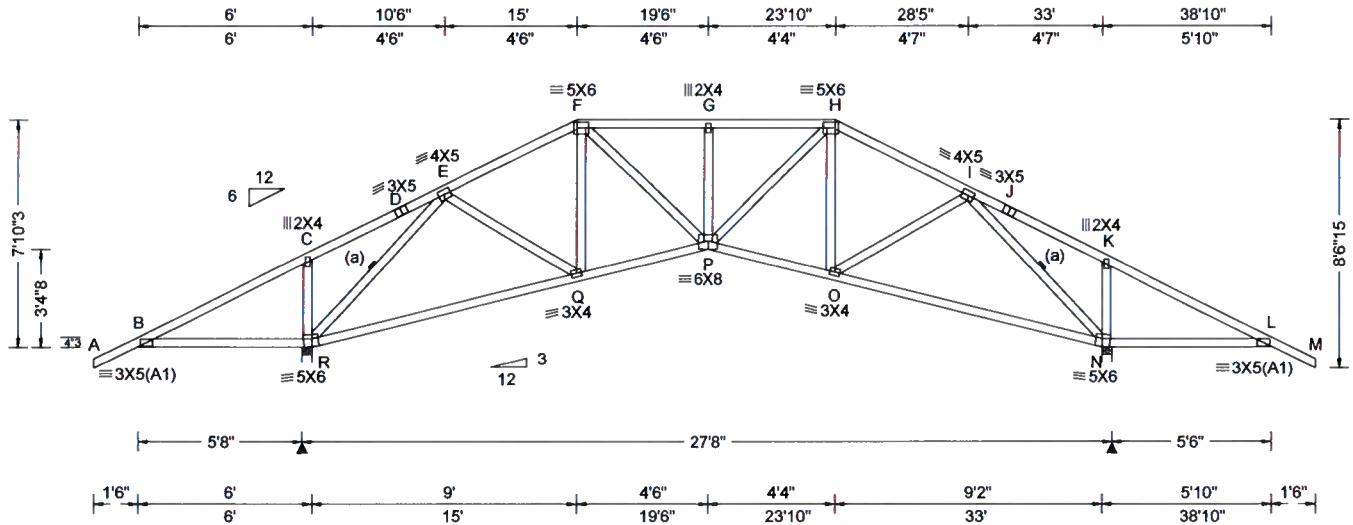
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SEQN: 307943 FROM: CDM	HIPS Qty: 1	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: A07	Cust: R 215 JRef: 1WSO2150005 T13 DrwNo: 042.20.0922.11293 JB / YK 02/11/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCCL: 20.00 TCDL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 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: 3.88 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg 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): 0.060 G 999 240 VERT(CL): 0.131 G 999 180 HORZ(LL): 0.045 N - - HORZ(TL): 0.102 N - - Creep Factor: 2.0 Max TC CSI: 0.638 Max BC CSI: 0.769 Max Web CSI: 0.532 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ /R- /Rh R 1758 /- /- /1219 /84 /240 N 1739 /- /- /1207 /83 /- Non-Gravity /Rw /U /RL Wind reactions based on MWFRS R Brg Width = 4.0 Min Req = 2.1 N Brg Width = 4.0 Min Req = 2.1 Bearings R & N are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

Wind loads based on MWFRS with additional C&C member design.
Left and right cantilevers are exposed to wind

Additional Notes

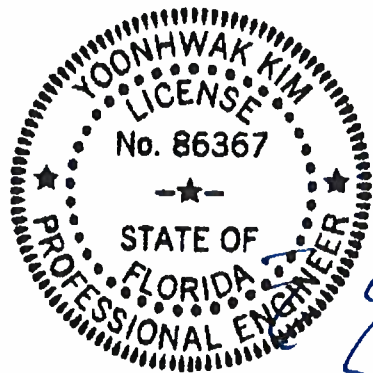
The overall height of this truss excluding overhang is 7'-10.3.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - R	704 -603	P - O	1103 -110
R - Q	759 -209	O - N	792 -202
Q - P	1085 -145	N - L	708 -590

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
R - E	560 -1769	P - H	629 -121
E - Q	538 -146	O - I	515 -134
F - P	650 -139	I - N	559 -1787



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

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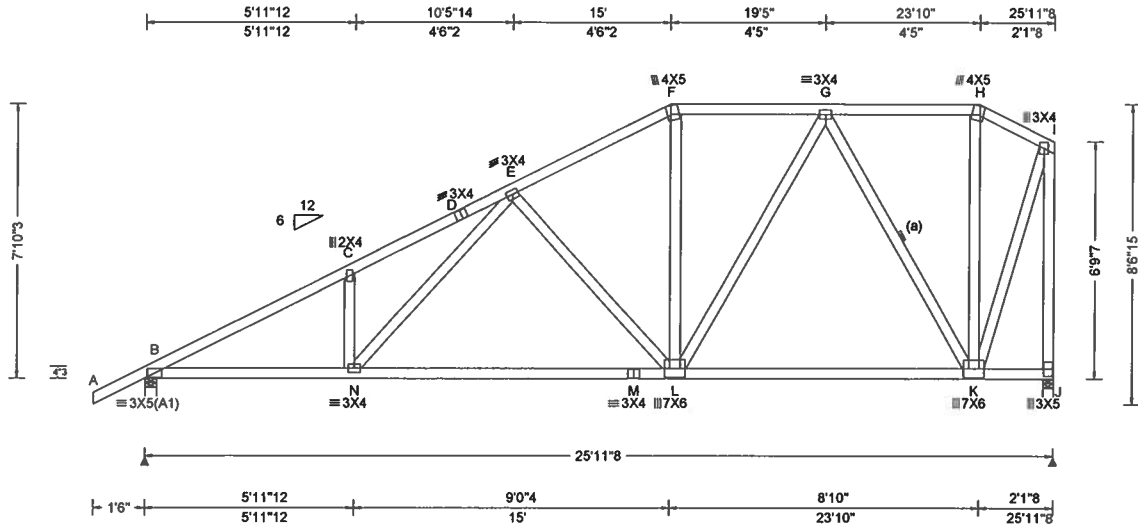
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SEQN: 307733 FROM: CDM	HIPS Qty: 1	Ply: 1 Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: A08	Cust: R 215 JRef: 1WSO2150005 T26 DrwNo: 042.20.0922.12840 JB / YK 02/11/2020
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Loading 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): 0.061 N 999 240		Loc	R+	/R-	/Rh	/Rw	/U	/RL					
BCLL: 0.00		Enclosure: Closed		Lu: NA Cs: NA		VERT(CL): 0.124 N 999 180		B	1179	/-	/-	/761	/76	/164					
BCDL: 10.00		Risk Category: II		Snow Duration: NA		HORZ(LL): 0.021 K - -		J	1059	/-	/-	/579	/127	/-					
Des Ld: 40.00		EXP: C Kzt: NA		Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE		HORZ(TL): 0.043 K - -		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: 0.327		J Brg Width = 3.5			Min Req = 1.5								
Load Duration: 1.25		BCDL: 5.0 psf				Max BC CSI: 0.941		Bearings B & J are a rigid surface.											
Spacing: 24.0 "		MWFRS Parallel Dist: h to 2h				Max Web CSI: 0.907		Members not listed have forces less than 375#											
		C&C Dist a: 3.00 ft				VIEW Ver: 18.02.01B.0321.08		Maximum Top Chord Forces Per Ply (lbs)											
		Loc. from endwall: not in 9.00 ft						Chords			Tens.Comp.			Chords			Tens. Comp.		
		GCp: 0.18						B - C			378 -1906			E - F			306 -1080		
		Wind Duration: 1.60																	

Lumber

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

Bracing

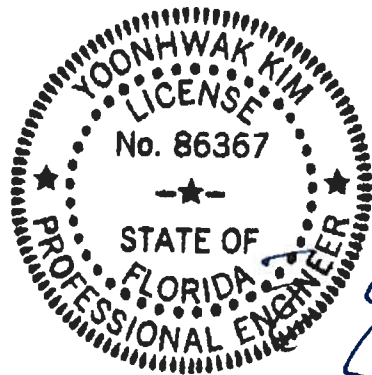
(a) Continuous lateral restraint equally spaced on member.

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.

Additional Notes

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



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

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens. Comp.	Chords	Tens. Comp.
B - N	1635 -480	M - L	1246 -389
N - M	1246 -389	L - K	690 -208

Maximum Web Forces Per Ply (lbs)			
Webs	Tens. Comp.	Webs	Tens. Comp.
N - E	569 -126	G - K	247 -781
E - L	186 -511	K - I	927 -264
L - G	444 -116	I - J	324 -1070

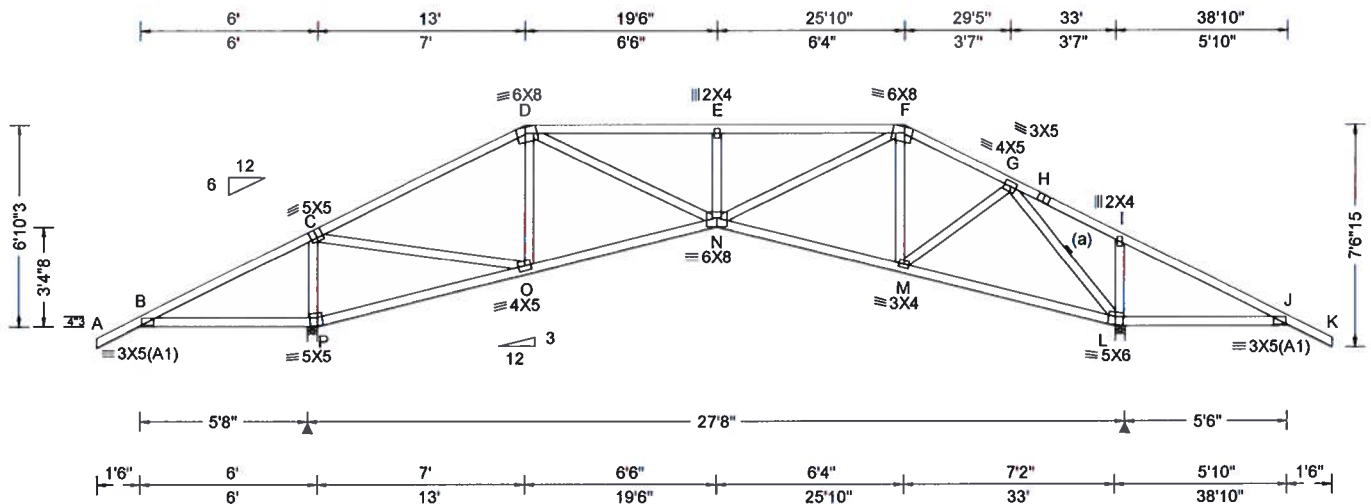
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Maryland Heights, MO 63043

SEQN: 307938 FROM: CDM	HIPS Qty: 1	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: A09	Cust: R 215 JRef: 1WSO2150005 T7 DrwNo: 042.20.0922.14280 JB / YK 02/11/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	Loc	R+	/R-	/Rh	/Rw	/U	/RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.093 E 999 240	P	1758	/-	/-	/1210	/266	/213
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.204 E 999 180	L	1739	/-	/-	/1198	/266	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.055 L - -	Wind reactions based on MWFRS						
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.124 L - -	P	Brg Width = 4.0		Min Req = 2.1			
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	L	Brg Width = 4.0		Min Req = 2.1			
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.815	Bearings P & L are a rigid surface.						
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.572	Members not listed have forces less than 375#						
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h		Max Web CSI: 0.583	Maximum Top Chord Forces Per Ply (lbs)						
	C&C Dist a: 3.88 ft			Chords	Tens.Comp.		Chords	Tens. Comp.		
	Loc. from endwall: not in 9.00 ft			B - C	779	-657	F - G	277	-1177	
	GCpi: 0.18			C - D	253	-1225	G - H	722	-562	
	Wind Duration: 1.60			D - E	311	-1970	H - I	692	-575	
				E - F	311	-1970	I - J	755	-663	
				F - G	311	-1970	J - K	755	-663	
				G - H	311	-1970	K - L	755	-663	
				H - I	311	-1970	L - M	755	-663	
				I - J	311	-1970	M - N	755	-663	
				J - K	311	-1970	N - O	755	-663	
				K - L	311	-1970	O - P	755	-663	
				L - M	311	-1970	P - Q	755	-663	
				M - N	311	-1970	Q - R	755	-663	
				N - O	311	-1970	R - S	755	-663	
				O - P	311	-1970	S - T	755	-663	
				P - Q	311	-1970	T - U	755	-663	
				Q - R	311	-1970	U - V	755	-663	
				R - S	311	-1970	V - W	755	-663	
				S - T	311	-1970	W - X	755	-663	
				T - U	311	-1970	X - Y	755	-663	
				U - V	311	-1970	Y - Z	755	-663	
				V - W	311	-1970	Z - A	755	-663	
				W - X	311	-1970	A - B	755	-663	
				X - Y	311	-1970	B - C	755	-663	
				Y - Z	311	-1970	C - D	755	-663	
				Z - A	311	-1970	D - E	755	-663	
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				B - C	311	-1970	F - G	755	-663	
				C - D	311	-1970	G - H	755	-663	
				D - E	311	-1970	H - I	755	-663	
				E - F	311	-1970	I - J	755	-663	
				F - G	311	-1970	J - K	755	-663	
				G - H	311	-1970	K - L	755	-663	
				H - I	311	-1970	L - M	755	-663	
				I - J	311	-1970	M - N	755	-663	
				J - K	311	-1970	N - O	755	-663	
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				L - M	311	-1970	P - Q	755	-663	
				M - N	311	-1970	Q - R	755	-663	
				N - O	311	-1970	R - S	755	-663	
				O - P	311	-1970	S - T	755	-663	
				P - Q	311	-1970	T - U	755	-663	
				Q - R	311	-1970	U - V	755	-663	
				R - S	311	-1970	V - W	755	-663	
				S - T	311	-1970	W - X	755	-663	
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				U - V	311	-1970	Y - Z	755	-663	
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				Y - Z	311	-1970	C - D	755	-663	
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				A - B	311	-1970	E - F	755	-663	
				B - C	311	-1970	F - G	755	-663	
				C - D	311	-1970	G - H	755	-663	
				D - E	311	-1970	H - I	755	-663	
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				F - G	311	-1970	J - K	755	-663	
				G - H	311	-1970	K - L	755	-663	
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				C - D	311	-1970	G - H	755	-663	
				D - E	311	-1970	H - I	755	-663	
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				F - G	311	-1970	J - K	755	-663	
				G - H	311	-1970	K - L	755	-663	
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				K - L	311	-1970	O - P	755	-663	
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				Y - Z	311	-1970	C - D	755	-663	
				Z - A	311	-1970	D - E	755	-663	
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				D - E	311	-1970	H - I	755	-663	
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				F - G	311	-1970	J - K	755	-663	
				G - H	311	-1970	K - L	755	-663	
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				N - O	311	-1970	R - S	755	-663	
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				P - Q	311	-1970	T - U	755	-663	
				Q - R	311	-1970	U - V	755	-663	
				R - S	311	-1970	V - W	755	-663	
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				T - U	311	-1970	X - Y	755	-663	
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				C - D	311	-1970	G - H	755	-663	
				D - E	311	-1970	H - I	755	-663	
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				B - C	311	-1970	F - G	755	-663	
				C - D	311	-1970	G - H	755	-663	
				D - E	311	-1970	H - I	755	-663	
				E - F	311	-1970	I - J	755	-663	

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

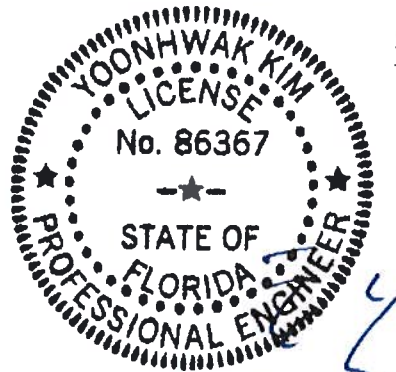
Wind

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

Left and right cantilevers are exposed to wind

Additional Notes

The overall height of this truss excluding overhang is 6'-10-3/4".



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Maximum Bot Chord Forces Per Ply (lbs)				
Chords	Tens.Comp.		Chords	Tens. Comp.
B - P	687	-620	N - M	1059 -140
P - O	697	-677	M - L	642 -251
O - N	1051	-131	L - J	695 -601

Maximum Web Forces Per Ply (lbs)				
Webs	Tens.Comp.		Webs	Tens. Comp.
C - P	497	-1448	N - F	1183 -201
C - O	1531	-464	M - F	232 -404
D - O	267	-496	M - G	674 -195
D - N	1199	-227	G - L	512 -1674
E - N	169	-409		

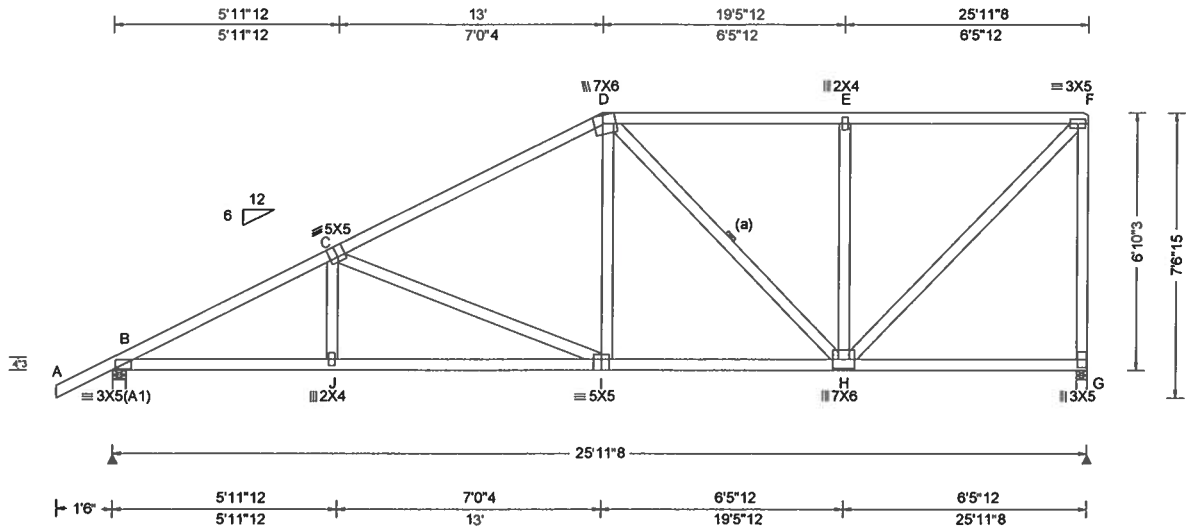
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation 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 this job's general notes page and these web sites: ALPINE: www.alpineitw.com, TPI: www.tpinet.org, SBCA: www.sbcindustry.com, ICC: www.iccsafe.org

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

SEQN: 307739 FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: A10	Cust: R 215 JRef: 1WSO2150005 T27 DrwNo: 042.20.0922.15620 JB / YK 02/11/2020
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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg, Pf in PSF)		Def/CSI Criteria		▲ Maximum Reactions (lbs)	
TCCL:	20.00	Wind Std:	ASCE 7-10	Pg: NA	Ct: NA	PP Deflection in loc L/def L/#		Gravity	
TCDL:	10.00	Speed:	130 mph	Pf: NA	Ce: NA	VERT(LL): 0.062 C	999 240	Loc	R+ / R- / Rh / Rw / U / RL
BCCL:	0.00	Enclosure:	Closed	Lu: NA	Cs: NA	VERT(CL): 0.126 C	999 180	B	1179 /- /- /755 /191 /207
BCDL:	10.00	Risk Category:	II	Snow Duration:	NA	HORZ(LL): 0.022 H	- -	G	1059 /- /- /578 /214 /-
Des Ld:	40.00	EXP:	C Kzt: NA	Code / Misc Criteria		HORZ(TL): 0.046 H	- -	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	Bldg Code:	FBC 2017 RES	Max TC CSI:	0.665	G	Brg Width = 3.5 Min Req = 1.5
Load Duration:	1.25	BCDL:	5.0 psf	TPI Std:	2014	Max BC CSI:	0.651	Bearings B & G are a rigid surface.	
Spacing:	24.0 "	MWFRS Parallel Dist:	h/2 to h	Rep Fac:	Yes	Max Web CSI:	0.841	Members not listed have forces less than 375#	
		C&C Dist a:	3.00 ft	FT/RT:	20(0)/10(0)	VIEW Ver: 18.02.01B.0321.08		Maximum Top Chord Forces Per Ply (lbs)	
		GCp:	0.18	Plate Type(s):	WAVE			Chords	Tens.Comp. Chords Tens. Comp.
		Wind Duration:	1.60					B - C	395 - 1915 D - E 245 - 836
								C - D	320 - 1313 E - F 245 - 836

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.

Additional Notes

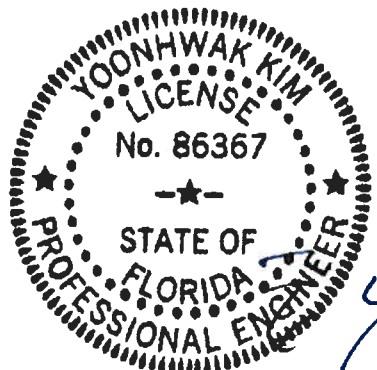
The overall height of this truss excluding overhang is 6-10-3.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - J	1650 - 515	I - H	1086 - 341
J - I	1647 - 516		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - I	190 - 610	H - F	1189 - 348
D - I	455 - 54	F - G	322 - 1006
E - H	177 - 452		



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

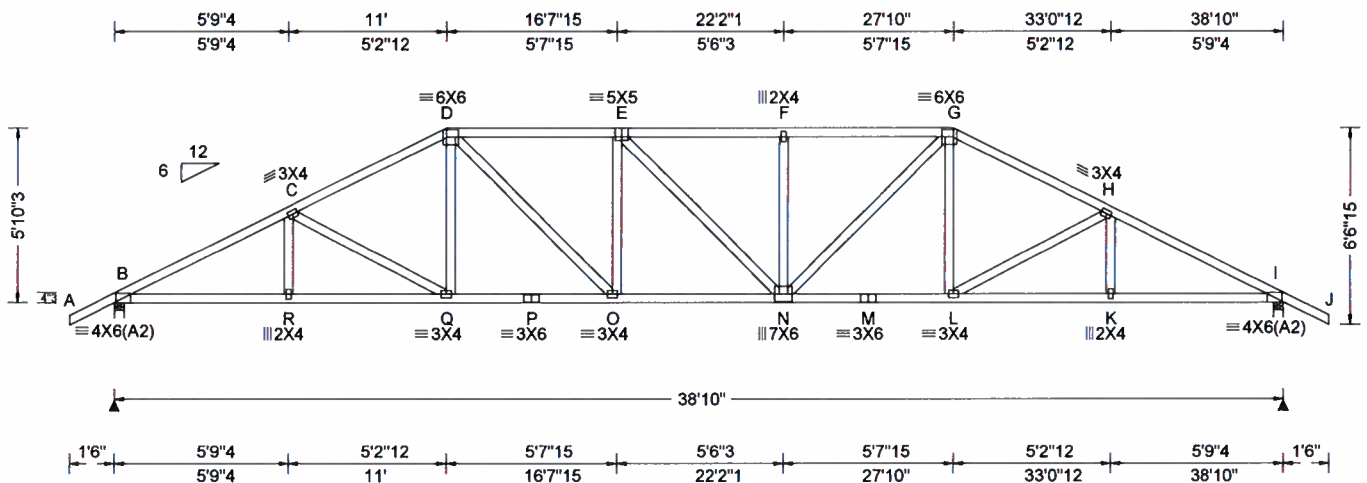
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

SEQN: 307742 FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: A11	Cust: R 215 JRef: 1WSO2150005 T3 DrwNo: 042.20.0922.17070 JB / YK 02/11/2020
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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/def L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.206 F 999 240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.418 F 999 180	B	1699	/-	/-	/1004	/310	/187
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.077 K - -	I	1699	/-	/-	/1004	/310	/-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.157 K - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	B	Brg Width = 4.0		Min Req = 2.0			
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.438	I	Brg Width = 4.0		Min Req = 2.0			
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.793	Bearings B & I are a rigid surface.						
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h		Max Web CSI: 0.290	Members not listed have forces less than 375#						
	C&C Dist a: 3.88 ft			Maximum Top Chord Forces Per Ply (lbs)						
	Loc. from endwall: not in 9.00 ft			Chords	Tens.Comp.	Chords	Tens. Comp.	Chords	Tens. Comp.	Chords
	GCpi: 0.18			B - C	769 -2994	F - G	795 -2715			
	Wind Duration: 1.60			C - D	725 -2586	G - H	724 -2586			
				D - E	791 -2701	H - I	769 -2994			
				E - F	795 -2715					
				F - G	769 -2994					
				G - H	725 -2586					
				H - I	791 -2701					
				I - J	795 -2715					
				J - K	769 -2994					
				K - L	725 -2586					
				L - M	791 -2701					
				M - N	795 -2715					
				N - O	769 -2994					
				O - P	725 -2586					
				P - Q	791 -2701					
				Q - R	795 -2715					
				R - S	769 -2994					
				S - T	725 -2586					
				T - U	791 -2701					
				U - V	795 -2715					
				V - W	769 -2994					
				W - X	725 -2586					
				X - Y	791 -2701					
				Y - Z	795 -2715					
				Z - AA	769 -2994					
				AA - AB	725 -2586					
				AB - AC	791 -2701					
				AC - AD	795 -2715					
				AD - AE	769 -2994					
				AE - AF	725 -2586					
				AF - AG	791 -2701					
				AG - AH	795 -2715					
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				AJ - AK	791 -2701					
				AK - AL	795 -2715					
				AL - AM	769 -2994					
				AM - AN	725 -2586					
				AN - AO	791 -2701					
				AO - AP	795 -2715					
				AP - AQ	769 -2994					
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				AT - AU	769 -2994					
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				AX - AY	769 -2994					
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				AZ - BA	791 -2701					
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				BN - BO	769 -2994					
				BO - BP	725 -2586					
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				BQ - BR	795 -2715					
				BR - BS	769 -2994					
				BS - BT	725 -2586					
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				BU - BV	795 -2715					
				BV - BW	769 -2994					
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				CD - CE	769 -2994					
				CE - CF	725 -2586					
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				CG - CH	795 -2715					
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				CX - CY	769 -2994					
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				DN - DO	769 -2994					
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				EB - EC	791 -2701					
				EC - ED	795 -2715					
				ED - EE	769 -2994					
				EE - EF	725 -2586					
				EF - EG	791 -2701					
				EG - EH	795 -2715					
				EH - EI	769 -2994					
				EI - EJ	725 -2586					
				EJ - EK	791 -2701					
				EK - EL	795 -2715					
				EL - EM	769 -2994					
				EM - EN	725 -2586					
				EN - EO	791 -2701					
				EO - EP	795 -2715					
				EP - EQ	769 -2994					
				EQ - ER	725 -2586					
				ER - ES	791 -2701					
				ES - ET	795 -2715					
				ET - EU	769 -2994					
				EU - EV	725 -2586					
				EV - EW	791 -2701					
				EW - EX	795 -2715					
				EX - EY	769 -2994					
				EY - EZ	725 -2586					
				EZ - FA	791 -2701					
				FA - FB	795 -2715					
				FB - FC	769 -2994					
				FC - FD	725 -2586					
				FD - FE	791 -2701					
				FE - FF	795 -2715					
				FF - FG	769 -2994					
				FG - FH	725 -2586					
				FH - FI	791 -2701					
				FI - FJ	795 -2715					
				FJ - FK	769 -2994					
				FK - FL	725 -2586					
				FL - FM	791 -2701					
				FM - FN	795 -2715					
				FN - FO	769 -2994					
				FO - FP	725 -2586					
				FP - FQ	791 -2701					
				FQ - FR	795 -2715					
				FR - FS	769 -2994					
				FS - FT	725 -2586					
				FT - FU	791 -2701					
				FU - FV	795 -2715					
				FV - FW	769 -2994					
				FW - FX	725 -2586					
				FX - FY	791 -2701					
				FY - FZ	795 -2715					
				FZ - GA	769 -2994					
				GA - GB	725 -2586					
				GB - GC	791 -2701					
				GC - GD	795 -2715					
				GD - GE	769 -2994					
				GE - GF	725 -2586					

Lumber

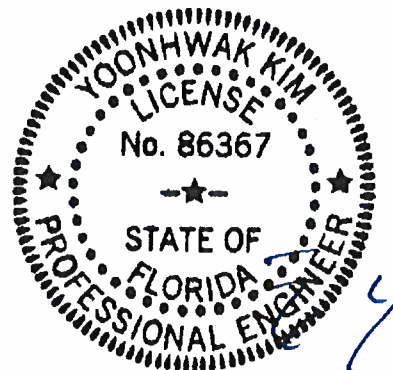
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

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



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

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - R	2605 -579	N - M	2250 -477
R - Q	2603 -579	M - L	2250 -477
Q - P	2251 -449	L - K	2603 -608
P - O	2251 -449	K - I	2605 -607
O - N	2718 -577		

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
C - Q	151 -406	N - G	651 -186
D - Q	379 -62	G - L	383 -62
D - O	638 -181	L - H	151 -407

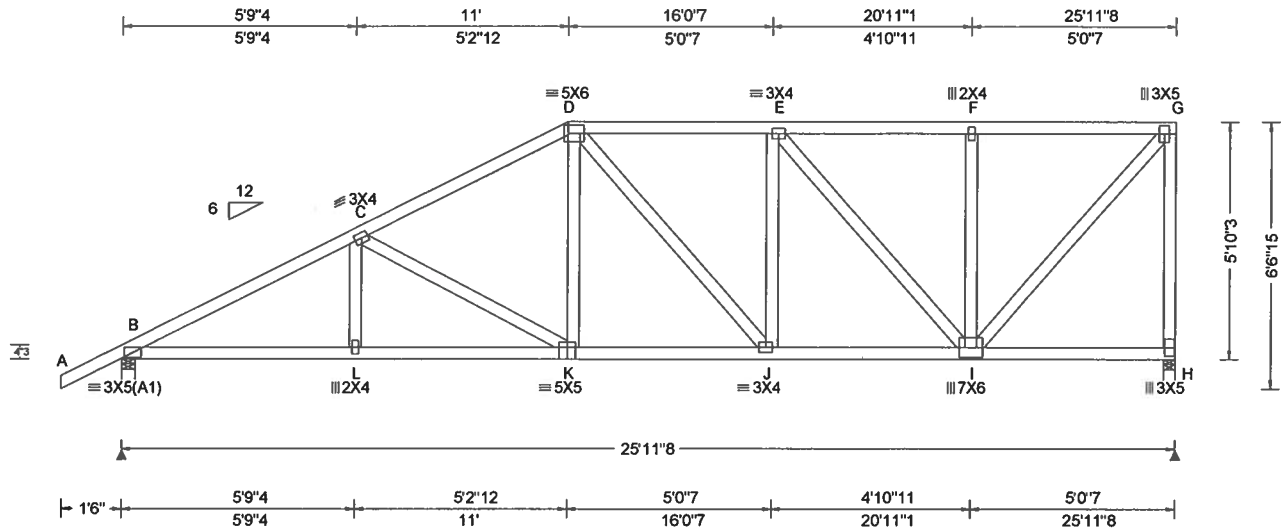
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13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 307745 FROM: CDM	HIPM Qty: 1	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: A12	Cust: R 215 JRef: 1WSO2150005 T28 DrwNo: 042.20.0922.18407 JB / YK 02/11/2020
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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/def L/#	Gravity		Non-Gravity				
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.061 K 999 240	Loc	R+	/R-	/Rh	/Rw	/U	/RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.125 K 999 180	B	1179	/-	/-	/741	/199	/178
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.023 I - -	H	1059	/-	/-	/563	/212	/-
	EXP: C Kzt: NA		HORZ(TL): 0.048 I - -	Wind reactions based on MWFRS						
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 2.0	B	Brg Width = 4.0		Min Req = 1.5			
NCBCLL: 10.00	TCDL: 5.0 psf		Max TC CSI: 0.359	H	Brg Width = 3.5		Min Req = 1.5			
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.468	Bearings B & H are a rigid surface.						
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h		Max Web CSI: 0.618	Members not listed have forces less than 375#						
Spacing: 24.0 "	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			B - C	425 - 1890	E - F	230 - 807			
	Wind Duration: 1.60									

Lumber

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

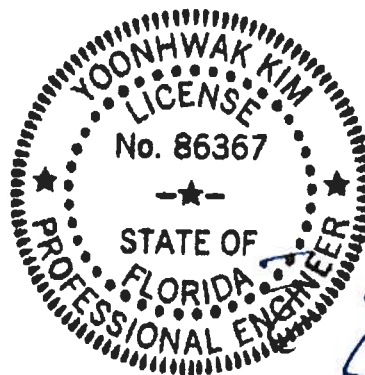
Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

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



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

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - L	1623 - 509	K - J	1225 - 381
L - K	1620 - 509	J - I	1181 - 343

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - K	149 - 456	I - G	1202 - 343
D - K	379 - 60	G - H	317 - 1018
E - I	174 - 576		

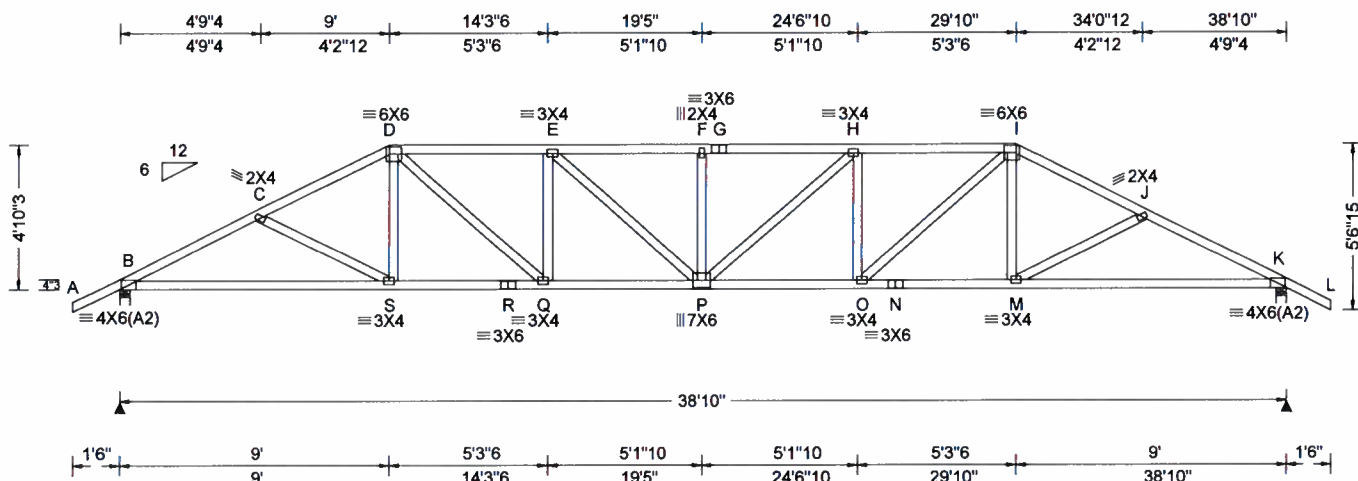


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SEQN: 307754 FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: A13	Cust: R 215 JRef: 1WSO2150005 T2 DrwNo: 042.20.0922.19600 JB / YK 02/11/2020
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Loading 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): 0.262 F 999 240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.531 F 870 180	B	1699	/-	/-	/990	/312	/160
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.083 M - -	K	1699	/-	/-	/990	/312	/-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.168 M - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	B	Brg Width = 4.0		Min Req = 2.0			
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.381	K	Brg Width = 4.0		Min Req = 2.0			
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.896	Bearings B & K are a rigid surface.						
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h		Max Web CSI: 0.361	Members not listed have forces less than 375#						
	C&C Dist a: 3.88 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	813	-2993	G - H	945	-3368	
	Wind Duration: 1.60									

Lumber

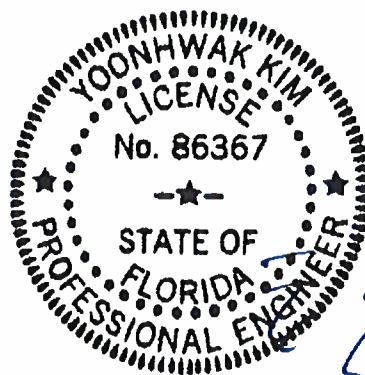
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 4'-10.3."



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

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - S	2613 -624	P - O	3145 -715
S - R	2402 -502	O - N	2402 -531
R - Q	2402 -502	N - M	2402 -531
Q - P	3146 -705	M - K	2613 -653

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
D - Q	948 -269	H - O	188 -535
Q - E	188 -535	O - I	948 -269

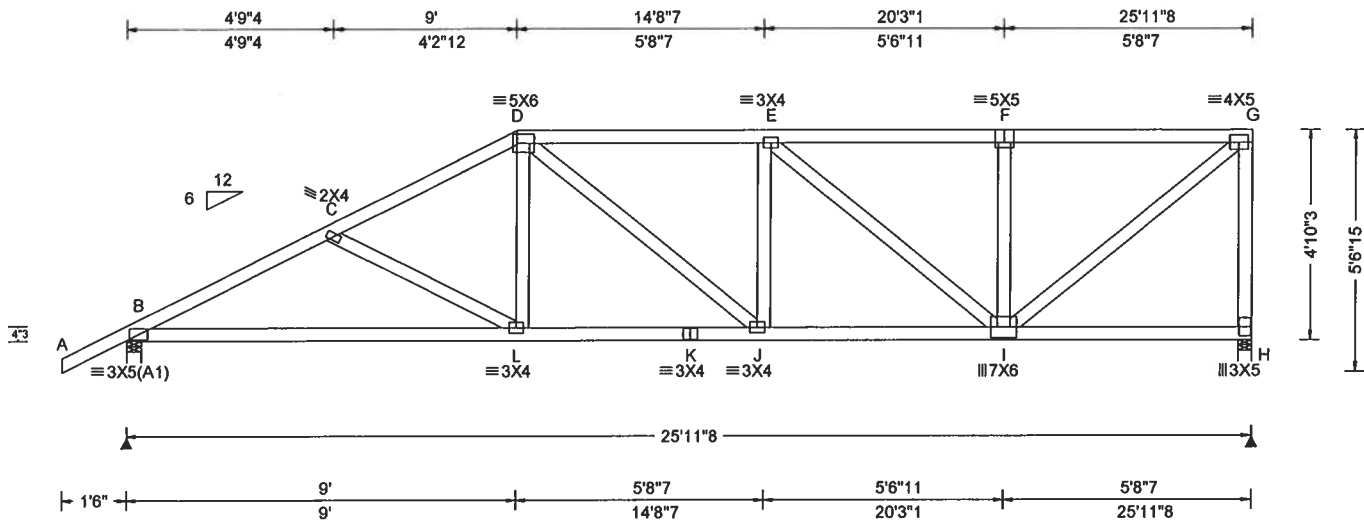
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Maryland Heights, MO 63043

SEQN: 307751 FROM: CDM	HIPM Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: A14	Cust R 215 JRef: 1WSO2150005 T29 DrwNo: 042.20.0922.20880 JB / YK 02/11/2020
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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): 0.068 J 999 240		Loc	R+	/R-	/Rh	/Rw	/U	/RL
BCLL: 0.00		Enclosure: Closed		Lu: NA Cs: NA		VERT(CL): 0.138 J 999 180		B	1179	/-	/-	/725	/206	/150
BCDL: 10.00		Risk Category: II		Snow Duration: NA		HORZ(LL): 0.024 I - -		H	1059	/-	/-	/551	/207	/-
Des Ld: 40.00		EXP: C Kzt: NA		Code / Misc Criteria		HORZ(TL): 0.049 I - -		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: 0.479		H Brg Width = 3.5 Min Req = 1.5						
Load Duration: 1.25		BCDL: 5.0 psf				Max BC CSI: 0.787		Bearings B & H are a rigid surface.						
Spacing: 24.0 "		MWFRS Parallel Dist: h/2 to h		TPI Std: 2014		Max Web CSI: 0.534		Members not listed have forces less than 375#						
		C&C Dist a: 3.00 ft		Rep Fac: Yes				Maximum Top Chord Forces Per Ply (lbs)						
		Loc. from endwall: not in 9.00 ft		FT/RT:20(0)/10(0)				Chords Tens.Comp. Chords Tens. Comp.						
		GCpi: 0.18		Plate Type(s):		VIEW Ver: 18.02.01B.0321.08		B - C 476 -1883 E - F 301 -1086						
		Wind Duration: 1.60		WAVE										

Lumber

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

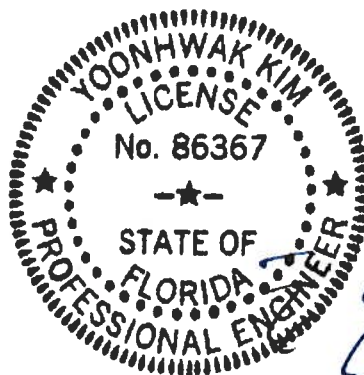
Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

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



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

Maximum Bot Chord Forces Per Ply (lbs)					
Chords	Tens.Comp.		Chords	Tens. Comp.	
B - L	1630	-532	K - J	1394	-419
L - K	1394	-419	J - I	1508	-429

Maximum Web Forces Per Ply (lbs)					
Webs	Tens.Comp.		Webs	Tens. Comp.	
D - L	377	-34	I - G	1390	-385
E - I	167	-552	G - H	311	-1013
F - I	156	-382			

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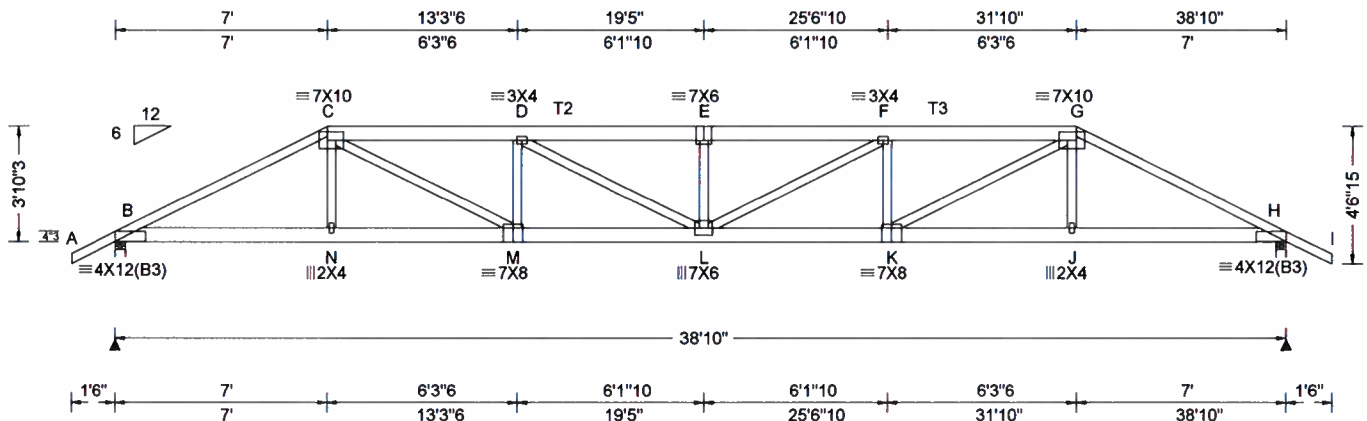
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SEQN: 307757 FROM: CDM	HIPS Qty: 1	Ply: 2 Qty: 1	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: A15	Cust: R 215 JRef: 1WSO2150005 T19 DrwNo: 042.20.0922.22170 JB / YK 02/11/2020
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 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: 3.88 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg 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): 0.293 E 999 240 VERT(CL): 0.588 E 786 180 HORZ(LL): 0.057 J - - HORZ(TL): 0.114 J - - Creep Factor: 2.0 Max TC CSI: 0.530 Max BC CSI: 0.345 Max Web CSI: 0.787 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ /R- /Rh /Rw /U /RL B 3806 /- /- /- /815 /- H 3806 /- /- /- /815 /- Non-Gravity 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 821 -3864 E - F 1253 -5914 C - D 1111 -5245 F - G 1111 -5245 D - E 1253 -5914 G - H 821 -3864

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

Special Loads
---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 62 plf at -1.50 to 62 plf at 7.00
TC: From 31 plf at 7.00 to 31 plf at 31.83
TC: From 62 plf at 31.83 to 62 plf at 40.33
BC: From 4 plf at -1.50 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 31.80
BC: From 20 plf at 31.80 to 20 plf at 38.83
BC: From 4 plf at 38.83 to 4 plf at 40.33
TC: 260 lb Conc. Load at 7.03, 31.80
TC: 187 lb Conc. Load at 9.06, 11.06, 13.06, 15.06, 17.06, 19.06, 21.77, 23.77, 25.77, 27.77, 29.77
BC: 462 lb Conc. Load at 7.03, 31.80
BC: 129 lb Conc. Load at 9.06, 11.06, 13.06, 15.06, 17.06, 19.06, 21.77, 23.77, 25.77, 27.77, 29.77

Wind
Wind loads and reactions based on MWFRS.

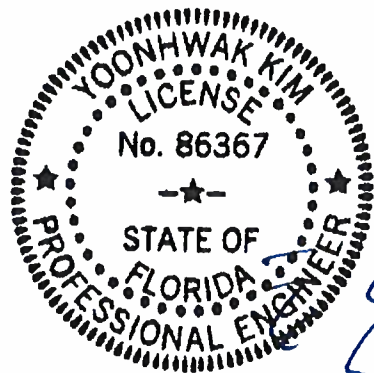
Additional Notes
The overall height of this truss excluding overhang is 3-10-3.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - N	3426 -721	L - K	5310 -1130
N - M	3440 -721	K - J	3440 -721
M - L	5310 -1130	J - H	3426 -721

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - M	2065 -445	L - F	694 -141
M - D	232 -773	F - K	232 -773
D - L	694 -141	K - G	2065 -445
E - L	159 -415		



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

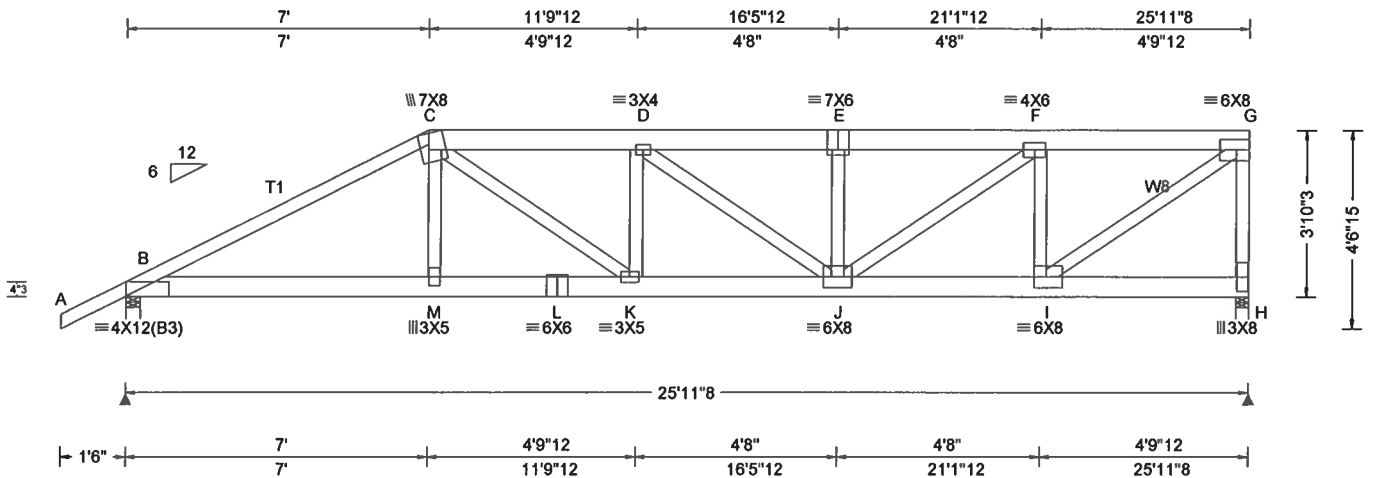
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13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 307763 FROM: CDM	HIPM Qty: 1	Ply: 1 Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: A16	Cust: R 215 JRef: 1WSO2150005 T31 DrwNo: 042.20.0922.23213 JB / YK 02/11/2020
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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/defl L/#	B	2402	/-	/-	/-	/517	/-
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.139 D 999 240	H	2621	/-	/-	/-	/557	/-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.279 D 999 180	Wind reactions based on MWFRS						
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.031 H - -	B	Brg Width = 4.0		Min Req = 2.0			
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.063 H - -	H	Brg Width = 3.5		Min Req = 2.2			
NCBCLL: 0.00	Mean Height: 15.00 ft		Creep Factor: 2.0	Bearings B & H are a rigid surface.						
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.356	Members not listed have forces less than 375#						
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.335	Maximum Top Chord Forces Per Ply (lbs)						
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.840	Chords	Tens.Comp.	Chords	Tens. Comp.			
	C&C Dist a: 3.00 ft			B - C	980 - 4593	E - F	992 - 4696			
	Loc. from endwall: not in 9.00 ft			C - D	1061 - 5030	F - G	637 - 3019			
	GCpi: 0.18			D - E	992 - 4696					
	Wind Duration: 1.60			E - F						
				F - G						
				G - H						
				H - I						
				I - J						
				J - K						
				K - L						
				L - M						
				M - N						
				N - O						
				O - P						
				P - Q						
				Q - R						
				R - S						
				S - T						
				T - U						
				U - V						
				V - W						
				W - X						
				X - Y						
				Y - Z						
				Z - AA						
				AA - AB						
				AB - AC						
				AC - AD						
				AD - AE						
				AE - AF						
				AF - AG						
				AG - AH						
				AH - AI						
				AI - AJ						
				AJ - AK						
				AK - AL						
				AL - AM						
				AM - AN						
				AN - AO						
				AO - AP						
				AP - AQ						
				AQ - AR						
				AR - AS						
				AS - AT						
				AT - AU						
				AU - AV						
				AV - AW						
				AW - AX						
				AX - AY						
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				BB - BC						
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				BD - BE						
				BE - BF						
				BF - BG						
				BG - BH						
				BH - BI						
				BI - BJ						
				BJ - BK						
				BK - BL						
				BL - BM						
				BM - BN						
				BN - BO						
				BO - BP						
				BP - BQ						
				BQ - BR						
				BR - BS						
				BS - BT						
				BT - BU						
				BU - BV						
				BV - BW						
				BW - BX						
				BX - BY						
				BY - BZ						
				BZ - CA						
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				CB - CC						
				CC - CD						
				CD - CE						
				CE - CF						
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				CG - CH						
				CH - CI						
				CI - CJ						
				CJ - CK						
				CK - CL						
				CL - CM						
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				DB - DC						
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				DJ - DK						
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				EK - EL						
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				EN - EO						
				EO - EP						
				EP - EQ						
				EQ - ER						
				ER - ES						
				ES - ET						
				ET - EU						
				EU - EV						
				EV - EW						
				EW - EX						
				EX - EY						
				EY - EZ						
				EZ - FA						
				FA - FB						
				FB - FC						
				FC - FD						
				FD - FE						
				FE - FF						
				FF - FG						
				FG - FH						
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				FP - FQ						
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				FS - FT						
				FT - FU						
				FU - FV						
				FV - FW						
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				FX - FY						
				FY - FZ						
				FZ - GA						
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				GD - GE						
				GE - GF						
				GF - GG						
				GG - GH						
				GH - GI						
				GI - GJ						
				GJ - GK						
				GK - GL						
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				GM - GN						
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				GX - GY						
				GY - GZ						
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				HA - HB						
				HB - HC						
				HC - HD						
				HD - HE						
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				HH - HI						
				HI - HJ						
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				HL - HM						
				HM - HN						
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				HT - HU						
				HU - HV						
				HV - HW						
				HW - HX						
				HX - HY						
				HY - HZ						
				HZ - IA						
				IA - IB						
				IB - IC						
				IC - ID						
				ID - IE						
				IE - IF						
				IF - IG						
				IG - IH						
				IH - II						
				II - IJ						
	</									

Lumber

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

Special Loads

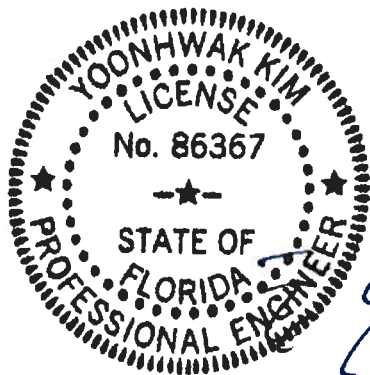
—(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 62 plf at -1.50 to 62 plf at 7.00
TC: From 31 plf at 7.00 to 31 plf at 25.96
BC: From 4 plf at -1.50 to 4 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 7.03
BC: From 10 plf at 7.03 to 10 plf at 25.96
TC: 260 lb Conc. Load at 7.03
TC: 187 lb Conc. Load at 9.06,11.06,13.06,15.06
17.06,19.06,21.06,23.06,25.06
BC: 462 lb Conc. Load at 7.03
BC: 129 lb Conc. Load at 9.06,11.06,13.06,15.06
17.06,19.06,21.06,23.06,25.06

Wind

Wind loads and reactions based on MWFRS.
Right end vertical not exposed to wind pressure.

Additional Notes

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



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Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - M	4043 - 848	K - J	5059 - 1076
M - L	4070 - 849	J - I	3175 - 680
L - K	4070 - 849		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - M	649 - 22	E - J	201 - 523
C - K	1188 - 263	F - I	495 - 1813
D - J	104 - 453	I - G	3722 - 786
J - F	1902 - 390	G - H	564 - 2460

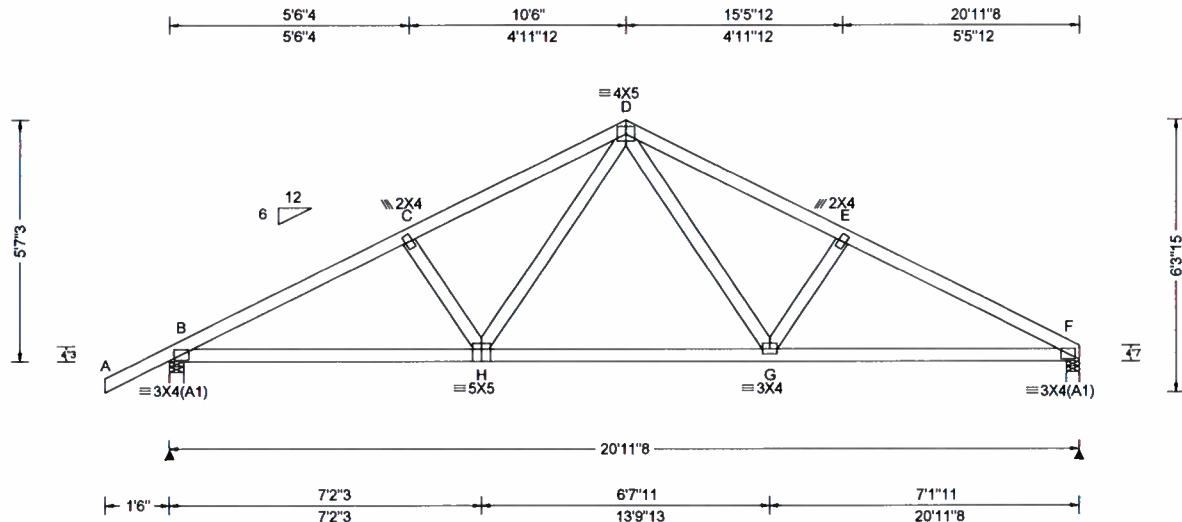
ALPINE
AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

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

SEQN: 307666 FROM: CDM	COMN Ply: 1 Qty: 6	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: B01	Cust: R 215 JRef: 1WSO2150005 T12 DrwNo: 042.20.0922.24110 JB / YK 02/11/2020
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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 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 Code / Misc Criteria Bldg 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): 0.044 H 999 240 VERT(CL): 0.090 H 999 180 HORZ(LL): 0.018 G - - HORZ(TL): 0.036 G - - Creep Factor: 2.0 Max TC CSI: 0.272 Max BC CSI: 0.549 Max Web CSI: 0.177 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 968 /- /- /583 /174 /157 F 859 /- /- /497 /145 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 F Brg Width = 3.5 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 341 - 1438 D - E 376 - 1283 C - D 354 - 1273 E - F 363 - 1450

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.

Additional Notes

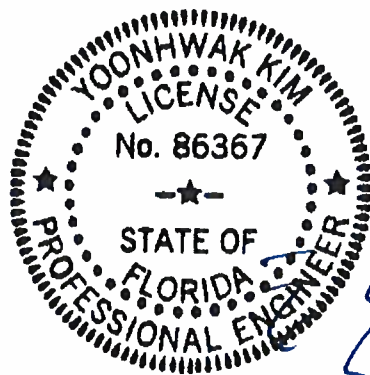
The overall height of this truss excluding overhang is 5-7-3.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - H	1227 - 253	G - F	1240 - 256
H - G	837 - 121		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
H - D	447 - 109	D - G	463 - 118



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02/11/2020

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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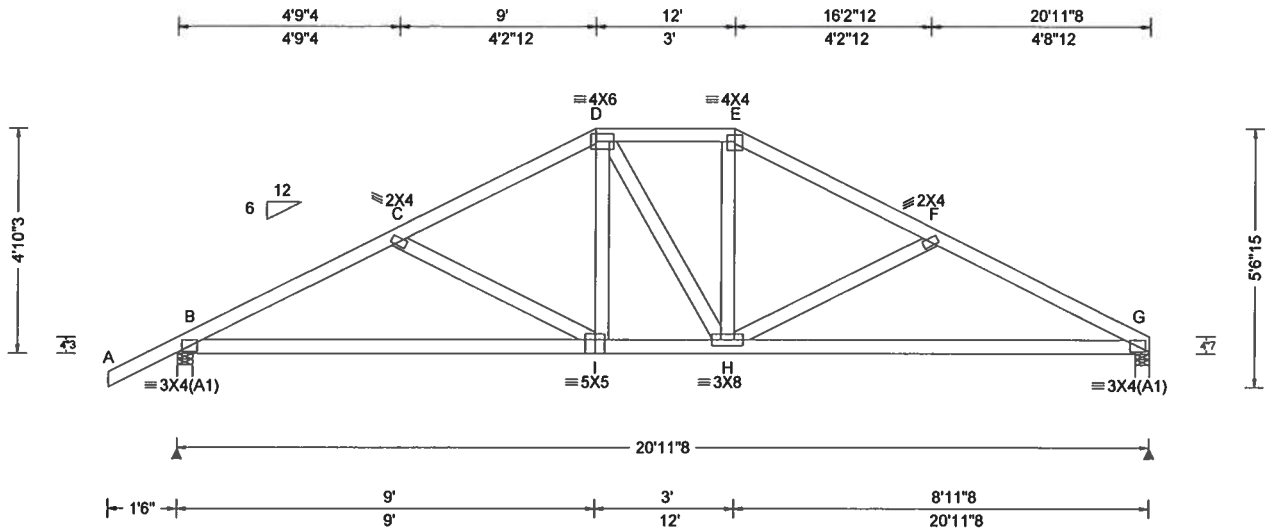
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AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 321174 FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: B02	Cust: R 215 JRef: 1WSO2150005 T32 DrwNo: 042.20.0922.25123 JB / YK 02/11/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	Loc	R+	/R-	/Rh	/Rw	/U	/RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.042 I 999 240							
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.086 I 999 180	B	968	/-	/-	/584	/176	/138
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.019 H - -	G	859	/-	/-	/497	/147	/-
	EXP: C Kzt: NA		HORZ(TL): 0.039 H - -	Wind reactions based on MWFRS						
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 2.0	B	Brg Width = 4.0		Min Req = 1.5			
NCBCLL: 10.00	TCDL: 5.0 psf		Max TC CSI: 0.283	G	Brg Width = 3.5		Min Req = 1.5			
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.710	Bearings B & G are a rigid surface.						
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h		Max Web CSI: 0.164	Members not listed have forces less than 375#						
Spacing: 24.0 "	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.	Chords	Tens. Comp.	
	GCpi: 0.18			B - C	400 - 1437	E - F	345 - 1143			
	Wind Duration: 1.60			C - D	342 - 1145	F - G	410 - 1449			
				D - E	331 - 972					
				E - F	320 - 957					
				F - G	309 - 946					
				G - H	298 - 935					
				H - I	287 - 924					
				I - J	276 - 913					
				J - K	265 - 902					
				K - L	254 - 891					
				L - M	243 - 880					
				M - N	232 - 869					
				N - O	221 - 858					
				O - P	210 - 847					
				P - Q	199 - 836					
				Q - R	188 - 825					
				R - S	177 - 814					
				S - T	166 - 803					
				T - U	155 - 792					
				U - V	144 - 781					
				V - W	133 - 770					
				W - X	122 - 759					
				X - Y	111 - 748					
				Y - Z	100 - 737					
				Z - AA	89 - 726					
				AA - AB	78 - 715					
				AB - AC	67 - 704					
				AC - AD	56 - 693					
				AD - AE	45 - 682					
				AE - AF	34 - 671					
				AF - AG	23 - 660					
				AG - AH	12 - 649					
				AH - AI	1 - 638					
				AI - AJ	0 - 627					
				AJ - AK	-1 - 616					
				AK - AL	-2 - 605					
				AL - AM	-3 - 594					
				AM - AN	-4 - 583					
				AN - AO	-5 - 572					
				AO - AP	-6 - 561					
				AP - AQ	-7 - 550					
				AQ - AR	-8 - 539					
				AR - AS	-9 - 528					
				AS - AT	-10 - 517					
				AT - AU	-11 - 506					
				AU - AV	-12 - 495					
				AV - AW	-13 - 484					
				AW - AX	-14 - 473					
				AX - AY	-15 - 462					
				AY - AZ	-16 - 451					
				AZ - BA	-17 - 440					
				BA - BB	-18 - 429					
				BB - BC	-19 - 418					
				BC - BD	-20 - 407					
				BD - BE	-21 - 396					
				BE - BF	-22 - 385					
				BF - BG	-23 - 374					
				BG - BH	-24 - 363					
				BH - BI	-25 - 352					
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				BJ - BK	-27 - 330					
				BK - BL	-28 - 319					
				BL - BM	-29 - 308					
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				BN - BO	-31 - 286					
				BO - BP	-32 - 275					
				BP - BQ	-33 - 264					
				BQ - BR	-34 - 253					
				BR - BS	-35 - 242					
				BS - BT	-36 - 231					
				BT - BU	-37 - 220					
				BU - BV	-38 - 209					
				BV - BW	-39 - 198					
				BW - BX	-40 - 187					
				BX - BY	-41 - 176					
				BY - BZ	-42 - 165					
				BZ - CA	-43 - 154					
				CA - CB	-44 - 143					
				CB - CC	-45 - 132					
				CC - CD	-46 - 121					
				CD - CE	-47 - 110					
				CE - CF	-48 - 99					
				CF - CG	-49 - 88					
				CG - CH	-50 - 77					
				CH - CI	-51 - 66					
				CI - CJ	-52 - 55					
				CJ - CK	-53 - 44					
				CK - CL	-54 - 33					
				CL - CM	-55 - 22					
				CM - CN	-56 - 11					
				CN - CO	-57 - 0					
				CO - CP	-58 - -11					
				CP - CQ	-59 - -22					
				CQ - CR	-60 - -33					
				CR - CS	-61 - -44					
				CS - CT	-62 - -55					
				CT - CU	-63 - -66					
				CU - CV	-64 - -77					
				CV - CW	-65 - -88					
				CW - CX	-66 - -99					
				CX - CY	-67 - -110					
				CY - CZ	-68 - -121					
				CZ - DA	-69 - -132					
				DA - DB	-70 - -143					
				DB - DC	-71 - -154					
				DC - DD	-72 - -165					
				DD - DE	-73 - -176					
				DE - DF	-74 - -187					
				DF - DG	-75 - -198					
				DG - DH	-76 - -209					
				DH - DI	-77 - -220					
				DI - DJ	-78 - -231					
				DJ - DK	-79 - -242					
				DK - DL	-80 - -253					
				DL - DM	-81 - -264					
				DM - DN	-82 - -275					
				DN - DO	-83 - -286					
				DO - DP	-84 - -297					
				DP - DQ	-85 - -308					
				DQ - DR	-86 - -319					
				DR - DS	-87 - -330					
				DS - DT	-88 - -341					
				DT - DU	-89 - -352					
				DU - DV	-90 - -363					
				DV - DW	-91 - -374					
				DW - DX	-92 - -385					
				DX - DY	-93 - -396					
				DY - DZ	-94 - -407					
				DZ - EA	-95 - -418					
				EA - EB	-96 - -429					
				EB - EC	-97 - -440					
				EC - ED	-98 - -451					
				ED - EE	-99 - -462					
				EE - EF	-100 - -473					
				EF - EG	-101 - -484					
				EG - EH	-102 - -495					
				EH - EI	-103 - -506					
				EI - EJ	-104 - -517					
				EJ - EK	-105 - -528					
				EK - EL	-106 - -539					
				EL - EM	-107 - -550					
				EM - EN	-108 - -561					
				EN - EO	-109 - -572					
				EO - EP	-110 - -583					
				EP - EQ	-111 - -594					
				EQ - ER	-112 - -605					
				ER - ES	-113 - -616					
				ES - ET	-114 - -627					
				ET - EU	-115 - -638					
				EU - EV	-116 - -649					
				EV - EW	-117 - -660					
				EW - EX	-118 - -671					
				EX - EY	-119 - -682					
				EY - EZ	-120 - -693					
				EZ - FA	-121 - -704					
				FA - FB	-122 - -715					
				FB - FC	-123 - -726					
				FC - FD	-124 - -737					
				FD - FE	-125 - -748					
				FE - FF	-126 - -759					
				FF - FG	-127 - -770					
				FG - FH	-128 - -781					
				FH - FI	-129 - -792					
				FI - FJ	-130 - -803					
				FJ - FK	-131 - -814					
				FK - FL	-132 - -825					
				FL - FM	-133 - -836					
				FM - FN	-134 - -847					
				FN - FO	-135 - -858					
				FO - FP	-136 - -869					
				FP - FQ	-137 - -880					
				FQ - FR	-138 - -891					
				FR - FS	-139 - -902					
				FS - FT	-140 - -913					
				FT - FU	-141 - -924					
				FU - FV	-142 - -935					
				FV - FW	-143 - -946					
				FW - FX	-144 - -957					
				FX - FY	-145 - -968					
				FY - FZ	-146 - -979					
				FZ - GA	-147 - -990					
				GA - GB	-148 - -1001					
				GB - GC	-149 - -1012					
				GC - GD	-150 - -1023					
				GD - GE	-151 - -1034					
				GE - GF	-152 - -1045					
				GF - GG	-153 - -1056					
				GG - GH	-154 - -1067					

Lumber

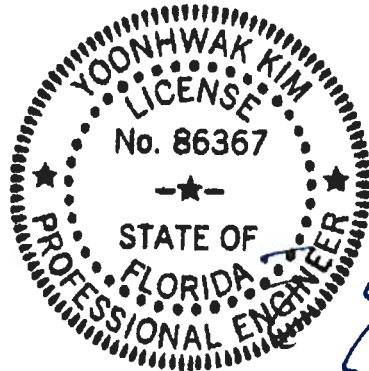
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

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



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

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

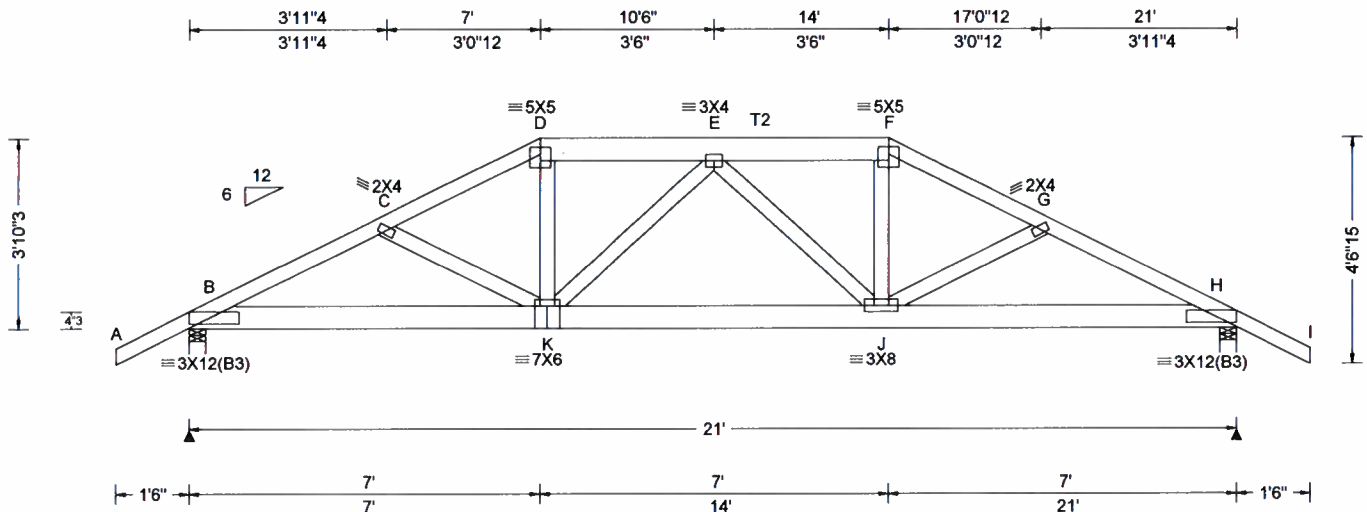
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

SEQN: 321177 FROM: CDM	HIPS Ply: 1 Qty: 1	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: B03	Cust: R 215 JRef: 1WSO2150005 T1 DrwNo: 042.20.0922.26107 JB / YK 02/11/2020
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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): 0.098 E 999 240	Loc	R+	/R-	/Rh	/Rw	/U	/RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.195 E 999 180	B	2018	-/-	-/-	-/-	/433	-/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.026 J - -	H	2018	-/-	-/-	-/-	/433	-/-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.052 J - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	B	Brg Width = 4.0			Min Req = 1.7		
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.470	H	Brg Width = 4.0			Min Req = 1.7		
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.378	Bearings B & H are a rigid surface.						
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.422	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			B - C	818	-3817	E - F	667	-3315	
	Wind Duration: 1.60			C - D	750	-3666	F - G	749	-3668	
				D - E	668	-3313	G - H	818	-3818	
				E - F	749	-3668	H - I	750	-3666	
				F - G	668	-3313	I - J	667	-3315	
				G - H	818	-3817	J - K	818	-3817	
				H - I	749	-3668	K - L	749	-3668	
				I - J	667	-3315	L - M	667	-3315	
				J - K	818	-3817	M - N	818	-3817	
				K - L	749	-3668	N - O	749	-3668	
				L - M	667	-3315	O - P	667	-3315	
				M - N	818	-3817	P - Q	818	-3817	
				N - O	749	-3668	Q - R	749	-3668	
				O - P	667	-3315	R - S	667	-3315	
				P - Q	818	-3817	S - T	818	-3817	
				Q - R	749	-3668	T - U	749	-3668	
				R - S	667	-3315	U - V	667	-3315	
				S - T	818	-3817	V - W	818	-3817	
				T - U	749	-3668	W - X	749	-3668	
				U - V	667	-3315	X - Y	667	-3315	
				V - W	818	-3817	Y - Z	818	-3817	
				W - X	749	-3668	Z - AA	749	-3668	
				X - Y	667	-3315	AA - AB	667	-3315	
				Y - Z	818	-3817	AB - AC	818	-3817	
				Z - AA	749	-3668	AC - AD	749	-3668	
				AA - AB	667	-3315	AD - AE	667	-3315	
				AB - AC	818	-3817	AE - AF	818	-3817	
				AC - AD	749	-3668	AF - AG	749	-3668	
				AD - AE	667	-3315	AG - AH	667	-3315	
				AE - AF	818	-3817	AH - AI	818	-3817	
				AF - AG	749	-3668	AI - AJ	749	-3668	
				AG - AH	667	-3315	AJ - AK	667	-3315	
				AH - AI	818	-3817	AK - AL	818	-3817	
				AI - AJ	749	-3668	AL - AM	749	-3668	
				AJ - AK	667	-3315	AM - AN	667	-3315	
				AK - AL	818	-3817	AN - AO	818	-3817	
				AL - AM	749	-3668	AO - AP	749	-3668	
				AM - AN	667	-3315	AP - AQ	667	-3315	
				AN - AO	818	-3817	AQ - AR	818	-3817	
				AO - AP	749	-3668	AR - AS	749	-3668	
				AP - AQ	667	-3315	AS - AT	667	-3315	
				AQ - AR	818	-3817	AT - AU	818	-3817	
				AR - AS	749	-3668	AU - AV	749	-3668	
				AS - AT	667	-3315	AV - AW	667	-3315	
				AT - AU	818	-3817	AW - AX	818	-3817	
				AU - AV	749	-3668	AX - AY	749	-3668	
				AV - AW	667	-3315	AY - AZ	667	-3315	
				AW - AX	818	-3817	AZ - BA	818	-3817	
				AX - AY	749	-3668	BA - BB	749	-3668	
				AY - AZ	667	-3315	BB - BC	667	-3315	
				AZ - BA	818	-3817	BC - BD	818	-3817	
				BA - BB	749	-3668	BD - BE	749	-3668	
				BB - BC	667	-3315	BE - BF	667	-3315	
				BC - BD	818	-3817	BF - BG	818	-3817	
				BD - BE	749	-3668	BG - BH	749	-3668	
				BE - BF	667	-3315	BH - BI	667	-3315	
				BF - BG	818	-3817	BI - BJ	818	-3817	
				BG - BH	749	-3668	BJ - BK	749	-3668	
				BH - BI	667	-3315	BK - BL	667	-3315	
				BI - BJ	818	-3817	BL - BM	818	-3817	
				BJ - BK	749	-3668	BM - BN	749	-3668	
				BK - BL	667	-3315	BN - BO	667	-3315	
				BL - BM	818	-3817	BO - BP	818	-3817	
				BM - BN	749	-3668	BP - BQ	749	-3668	
				BN - BO	667	-3315	BQ - BR	667	-3315	
				BO - BP	818	-3817	BR - BS	818	-3817	
				BP - BQ	749	-3668	BS - BT	749	-3668	
				BQ - BR	667	-3315	BT - BU	667	-3315	
				BR - BS	818	-3817	BU - BV	818	-3817	
				BS - BT	749	-3668	BV - BW	749	-3668	
				BT - BU	667	-3315	BW - BX	667	-3315	
				BU - BV	818	-3817	BX - BY	818	-3817	
				BV - BW	749	-3668	BY - BZ	749	-3668	
				BW - BX	667	-3315	BZ - CA	667	-3315	
				BX - BY	818	-3817	CA - CB	818	-3817	
				BY - BZ	749	-3668	CB - CC	749	-3668	
				BZ - CA	667	-3315	CC - CD	667	-3315	
				CA - CB	818	-3817	CD - CE	818	-3817	
				CB - CC	749	-3668	CE - CF	749	-3668	
				CC - CD	667	-3315	CF - CG	667	-3315	
				CD - CE	818	-3817	CG - CH	818	-3817	
				CE - CF	749	-3668	CH - CI	749	-3668	
				CF - CG	667	-3315	CI - CJ	667	-3315	
				CG - CH	818	-3817	CJ - CK	818	-3817	
				CH - CI	749	-3668	CK - CL	749	-3668	
				CI - CJ	667	-3315	CL - CM	667	-3315	
				CJ - CK	818	-3817	CM - CN	818	-3817	
				CK - CL	749	-3668	CN - CO	749	-3668	
				CL - CM	667	-3315	CO - CP	667	-3315	
				CM - CN	818	-3817	CP - CQ	818	-3817	
				CN - CO	749	-3668	CQ - CR	749	-3668	
				CO - CP	667	-3315	CR - CS	667	-3315	
				CP - CQ	818	-3817	CS - CT	818	-3817	
				CQ - CR	749	-3668	CT - CU	749	-3668	
				CR - CS	667	-3315	CU - CV	667	-3315	
				CS - CT	818	-3817	CV - CW	818	-3817	
				CT - CU	749	-3668	CW - CX	749	-3668	
				CU - CV	667	-3315	CX - CY	667	-3315	
				CV - CW	818	-3817	CY - CZ	818	-3817	
				CW - CX	749	-3668	CZ - DA	749	-3668	
				CX - CY	667	-3315	DA - DB	667	-3315	
				CY - CZ	818	-3817	DB - DC	818	-3817	
				CZ - DA	749	-3668	DC - DD	749	-3668	
				DA - DB	667	-3315	DD - DE	667	-3315	
				DB - DC	818	-3817	DE - DF	818	-3817	
				DC - DD	749	-3668	DF - DG	749	-3668	
				DD - DE	667	-3315	DG - DH	667	-3315	
				DE - DF	818	-3817	DH - DI	818	-3817	
				DF - DG	749	-3668	DI - DJ	749	-3668	
				DG - DH	667	-3315	DJ - DK	667	-3315	
				DH - DI	818	-3817	DK - DL	818	-3817	
				DI - DJ	749	-3668	DL - DM	749	-3668	
				DJ - DK	667	-3315	DM - DN	667	-3315	
				DK - DL	818	-3817	DN - DO	818	-3817	
				DL - DM	749	-3668	DO - DP	749	-3668	
				DM - DN	667	-3315	DP - DQ	667	-3315	
				DN - DO	818	-3817	DQ - DR	818	-3817	
				DO - DP	749	-3668	DR - DS	749	-3668	
				DP - DQ	667	-3315	DS - DT	667	-3315	
				DQ - DR	818	-3817	DT - DU	818	-3817	
				DR - DS	749	-3668	DU - DV	749	-3668	
				DS - DT	667	-3315	DV - DW	667	-3315	
				DT - DU	818	-3817	DW - DX	818	-3817	
				DU - DV	749	-3668	DX - DY	749	-3668	
				DV - DW	667	-3315	DY - DZ	667	-3315	
				DW - DX	818	-3817	DZ - EA	818	-3817	
				DX - DY	749	-3668	EA - EB	749	-3668	
				DY - DZ	667	-3315	EB - EC	667	-3315	
				DZ - EA	818	-3817	EC - ED	818	-3817	
				EA - EB	749	-3668	ED - EE	749	-3668	
				EB - EC	667	-3315	EE - EF	667	-3315	
				EC - ED	818	-3817	EF - EG	818	-3817	
				ED - EE	749	-3668	EG - EH	749	-3668	
				EE - EF	667	-3315	EH - EI	667	-3315	
				EF - EG	818	-3817	EI - EJ	818	-3817	
				EG - EH	749	-3668	EJ - EK	749	-3668	
				EH - EI	667	-3315	EK - EL	667	-3315	
				EI - EJ	818	-3817	EL - EM	818	-3817	
				EJ - EK	749	-3668	EM - EN	749	-3668	
				EK - EL	667	-3315	EN - EO	667	-3315	
				EL - EM	818	-3817	EO - EP	818	-3817	
				EM - EN	749	-3668	EP - EQ	749	-3668	
				EN - EO	667	-3315	EQ - ER	667	-3315	
				EO - EP	818	-3817	ER - ES	818	-3817	
				EP - EQ	749	-3668	ES - ET	749	-3668	
				EQ - ER	667	-3315	ET - EU	667	-3315	
				ER - ES	818	-3817	EU - EV	818	-3817	
				ES - ET	749	-3668	EV - EW	749	-3668	
				ET - EU	667	-3315	EW - EX	667	-3315	
				EU - EV	818	-3817	EX - EY	818	-3817	
				EV - EW	749	-3668	EY - EZ	749	-3668	
				EW - EX	667	-3315	EZ - FA	667	-3315	
				EX - EY	818	-3817	FA - FB	818	-3817	
				EY - EZ	749	-3668	FB - FC	749	-3668	
				EZ - FA						

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

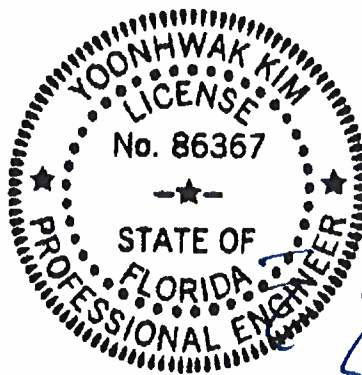
——(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 62 plf at -1.50 to 62 plf at 7.00
TC: From 31 plf at 7.00 to 31 plf at 14.00
TC: From 62 plf at 14.00 to 62 plf at 22.50
BC: From 4 plf at -1.50 to 4 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 7.03
BC: From 10 plf at 7.03 to 10 plf at 13.97
BC: From 20 plf at 13.97 to 20 plf at 21.00
BC: From 4 plf at 21.00 to 4 plf at 22.50
TC: 260 lb Conc. Load at 7.03,13.97
TC: 187 lb Conc. Load at 9.06,10.50,11.94
BC: 462 lb Conc. Load at 7.03,13.97
BC: 129 lb Conc. Load at 9.06,10.50,11.94

Wind

Wind loads and reactions based on MWFRS.

Additional Notes

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



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

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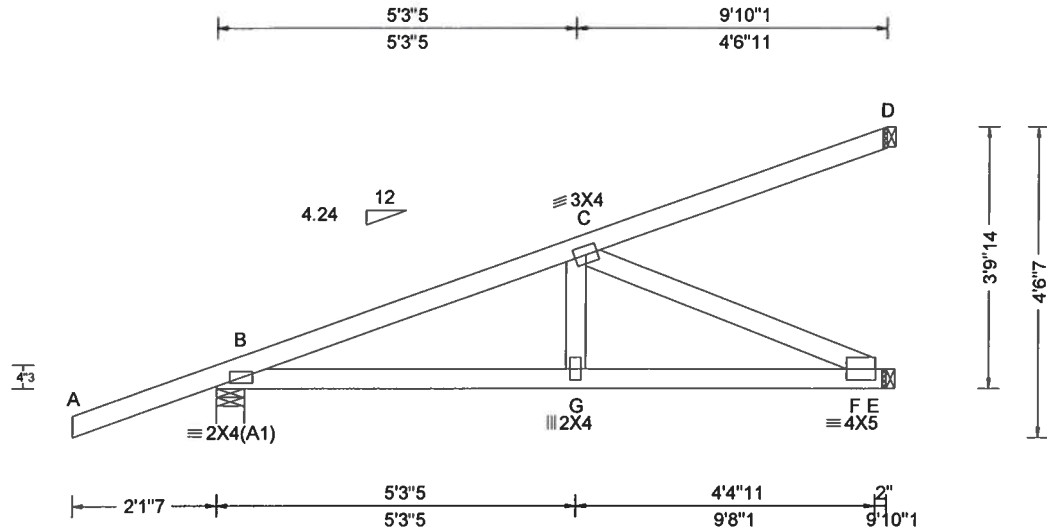
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCEA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 307700 FROM: CDM	HIP_	Ply: 1 Qty: 5	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: HJ1	Cust: R 215 JRef: 1WSO2150005 T24 DrwNo: 042.20.0922.27120 JB / YK 02/11/2020
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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/def L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.019 G 999 240	Loc	R+	/R-	/Rh	/Rw	/U	/RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.038 G 999 180	B	366	/-	/-	/-	/202	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.005 F - -	E	334	/-	/-	/-	/71	/-
	EXP: C Kzt: NA		HORZ(TL): 0.010 F - -	D	73	/-	/-	/-	/16	/-
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		Max TC CSI: 0.539	B	Brg Width = 4.9		Min Req = 1.5			
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.606	E	Brg Width = 1.5		Min Req = -			
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.332	D	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			Maximum Top Chord Forces Per Ply (lbs)						
	Wind Duration: 1.60			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 -2.12 to 61 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 9.84
BC: From 0 plf at -2.12 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 9.84
TC: -43 lb Conc. Load at 1.38
TC: 123 lb Conc. Load at 4.21
TC: 253 lb Conc. Load at 7.03
BC: 6 lb Conc. Load at 1.38
BC: 97 lb Conc. Load at 4.21
BC: 178 lb Conc. Load at 7.03

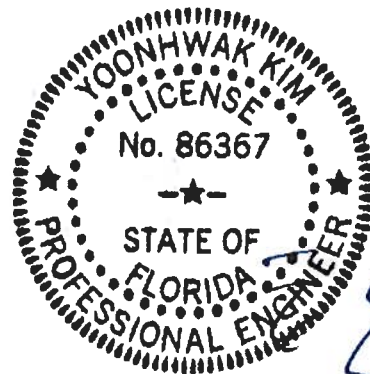
Wind

Wind loads and reactions based on MWFRS.

Additional Notes

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

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



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

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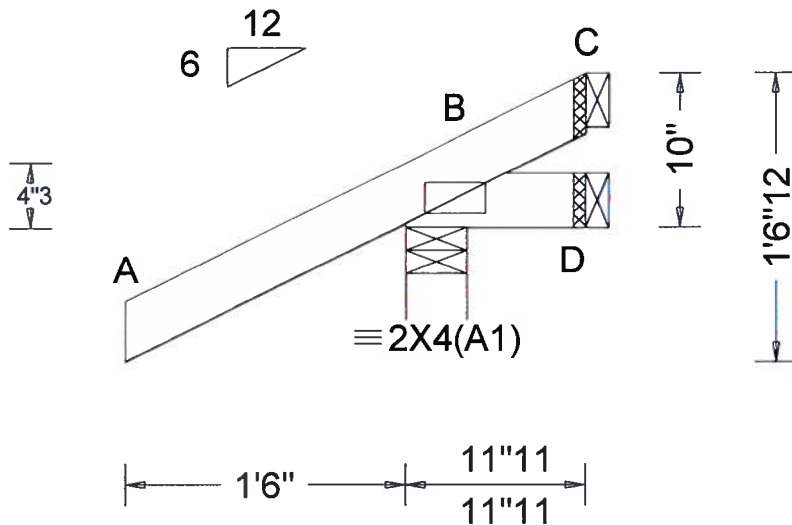
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 307681 FROM: CDM	JACK Qty: 10	Ply: 1 Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: J1	Cust: R 215 JRef: 1WSO2150005 T22 DrwNo: 042.20.0922.28327 JB / YK 02/11/2020
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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 Code / Misc Criteria Bldg 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): -0.000 D - - HORZ(TL): 0.001 D - - Creep Factor: 2.0 Max TC CSI: 0.296 Max BC CSI: 0.038 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 256 /- /- /206 /73 /35 D 3 /-18 /- /18 /19 /- C - /-57 /- /34 /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

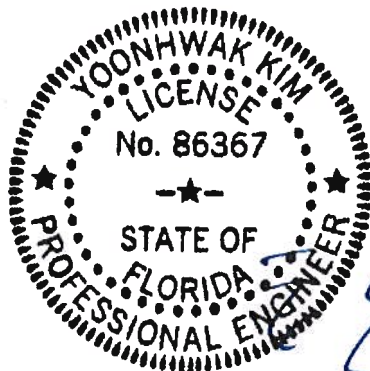
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

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

Additional Notes

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



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

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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

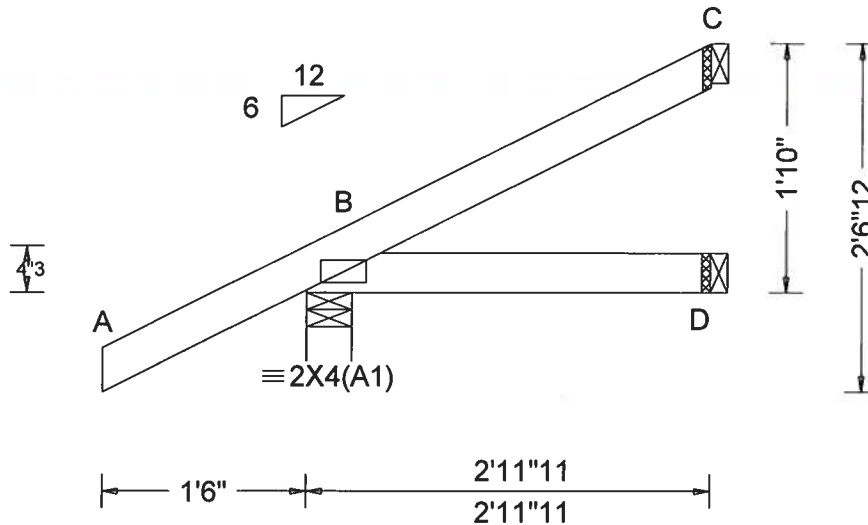
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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Suite 200
Maryland Heights, MO 63043

SEQN: 307674 FROM: CDM	JACK Qty: 10	Ply: 1 Qty: 10	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: J3	Cust: R 215 JRef: 1WSO2150005 T21 DrwNo: 042.20.0922.29217 JB / YK 02/11/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	B	261	/-	/-	/193	/45	/63
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	D	49	/-	/-	/38	/2	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 D - -	C	61	/-	/-	/26	/24	/-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 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: 0.186	D	Brg Width = 1.5		Min Req = -			
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.070	C	Brg Width = 1.5		Min Req = -			
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.000	Bearing B is a rigid surface.						
	C&C Dist a: 3.00 ft			Members not listed have forces less than 375#						
	Loc. from endwall: not in 4.50 ft									
	GCpi: 0.18									
	Wind Duration: 1.60									

Lumber

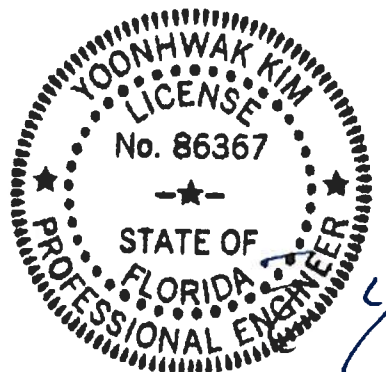
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

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

Additional Notes

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



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02/11/2020

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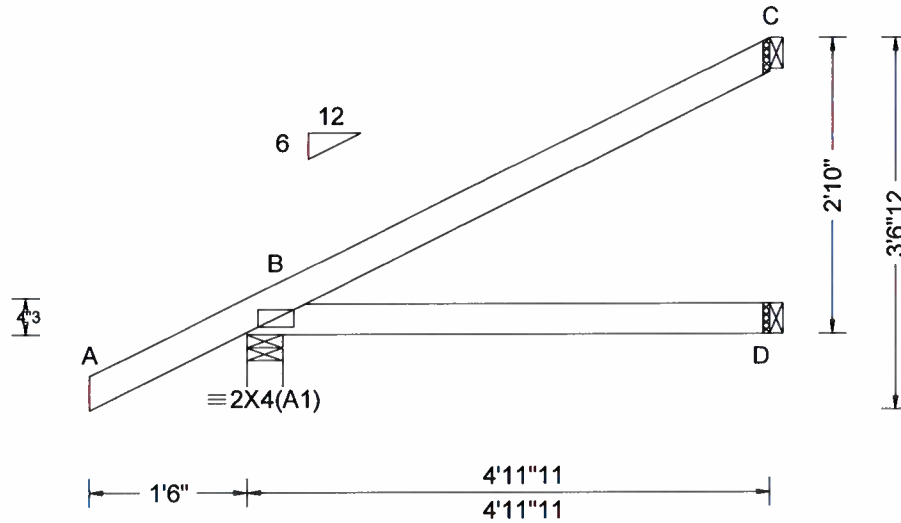
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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SEQN: 307667 FROM: CDM	JACK Ply: 1 Qty: 10	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: J5	Cust: R 215 JRef: 1WSO2150005 T20 DrwNo: 042.20.0922.30110 JB / YK 02/11/2020
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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/def 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	330	/-	/-	/235	/48	/92
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.004 D - -	D	89	/-	/-	/63	/-	/-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.008 D - -	C	127	/-	/-	/62	/48	/-
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	Wind reactions based on MWFRS						
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.306	B	Brg Width = 4.0		Min Req = 1.5			
Load Duration: 1.25	BCDL: 5.0 psf	Code / Misc Criteria	Max BC CSI: 0.245	D	Brg Width = 1.5		Min Req = -			
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Bldg Code: FBC 2017 RES	Max Web CSI: 0.000	C	Brg Width = 1.5		Min Req = -			
	C&C Dist a: 3.00 ft	TPI Std: 2014		Bearing B is a rigid surface.						
	Loc. from endwall: not in 4.50 ft	Rep Fac: Yes		Members not listed have forces less than 375#						
	GCpi: 0.18	FT/RT:20(0)/10(0)								
	Wind Duration: 1.60	Plate Type(s):	VIEW Ver: 18.02.01B.0321.08							
		WAVE								

Lumber

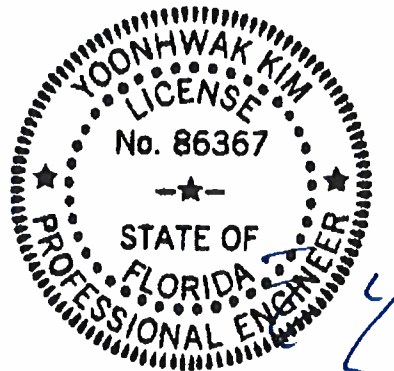
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

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

Additional Notes

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



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02/11/2020

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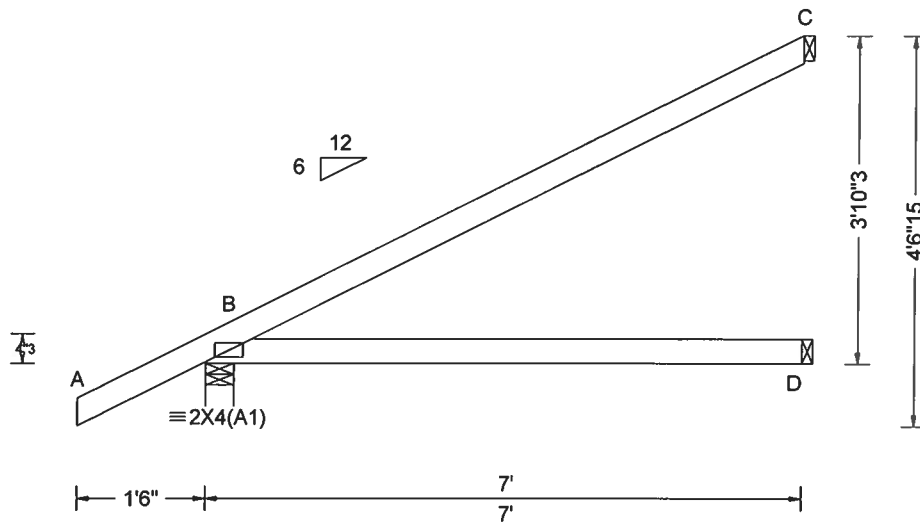
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCE) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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SEQN: 307662 FROM: CDM	EJAC Qty: 29	Ply: 1 Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: J7	Cust: R 215 JRef: 1WSO2150005 T23 DrwNo: 042.20.0922.34933 JB / YK 02/11/2020
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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	408	/-	/-	/285	/53	/121
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.014 D - -	D	129	/-	/-	/89	/-	/-
	EXP: C Kzt: NA		HORZ(TL): 0.028 D - -	C	187	/-	/-	/95	/71	/-
Des Ld: 40.00	Mean Height: 15.00 ft	Code / Misc Criteria Bldg 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: 0.713	B	Brg Width = 4.0		Min Req = 1.5			
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.512	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 4.50 ft			Members not listed have forces less than 375#						
	GCpi: 0.18									
	Wind Duration: 1.60		VIEW Ver: 18.02.01B.0321.08							

Lumber

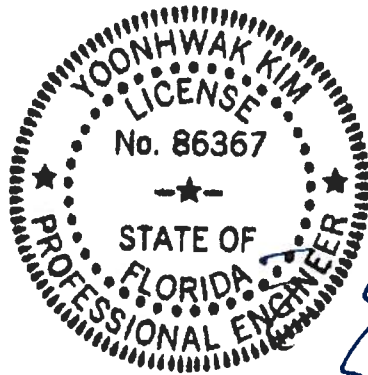
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

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

Additional Notes

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



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02/11/2020

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CLR Reinforcing Member Substitution

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

Notes:

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

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

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

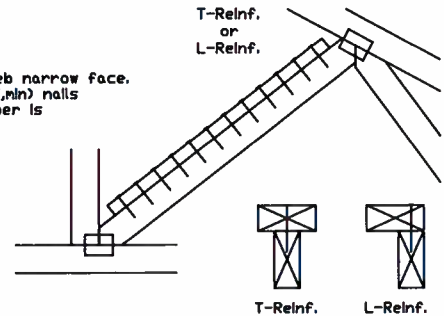
Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf.	Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(Ø)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(Ø)

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

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

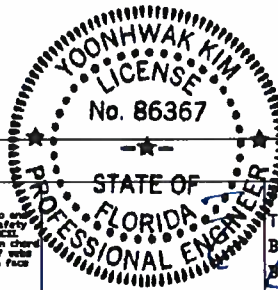
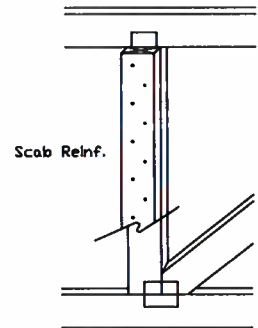
T-Reinforcement or L-Reinforcement:

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



Scab Reinforcement:

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



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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of ICC Building Component Safety Information by TPI and ICCO for safety practices prior to performing these functions. Installers shall provide temporary bracing per ICCO. 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 ICCO sections 22, 27 or 35, 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 1654-2 for standard plate positions.
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ALPINE: www.alpineitw.com TPI: www.tpi.org ICCO: www.iccoinc.org ICC: www.iccoinc.org

BC LL	PSF	REF	CLR Subst.
T/D DL	PSF	DATE	01/02/19
BC DL	PSF	DRWG	BRCLBSUB0119
BC LL	PSF		
T/D, L.D.	PSF		
D/R, FAC.			
SPACING			

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