



18th March 2020

BUILDING OFFICIAL / INSPECTOR
COUNTY BUILDING DEPT.

RE: NAGY CONST. / NAGY RESIDENCE

TO WHOM IT MAY CONCERN:

DUE TO GIRDER TRUSS ONLY HAVE 815 LBS OF UPLIFT, (2) SIMPSON H2.5a (1 EACH SIDE OF TRUSS)
WILL BE SUFFICIENT. ANCHOR GIRDER SUPPORT POST WITH (1) SIMPSON HTT4.

SINGLE BOTTOM PLATE AT GARAGE SIDE WALLS IS ACCEPTABLE.

BEST REGARDS





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



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

39125
Alpine, an ITW Company
6750 Forum Drive, Suite 305
Orlando, FL 32821
Phone: (800)755-6001
www.alpineitw.com

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 #: 1WTO2150003	
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	Item	Drawing Number	Truss
1	078.20.1125.59473	A01	2	078.20.1126.00630	A02
3	078.20.1126.01640	A03	4	078.20.1043.57260	A04
5	078.20.1127.19113	A05	6	078.20.1043.57182	A06
7	078.20.1127.20287	A07	8	078.20.1043.57105	A08
9	078.20.1127.24490	A09	10	078.20.1043.57244	A10
11	078.20.1043.57135	A11	12	078.20.1043.57339	A12
13	078.20.1043.57197	A13	14	078.20.1043.57150	A14
15	078.20.1043.57229	A15	16	078.20.1043.57338	A16
17	078.20.1043.57275	B01	18	078.20.1043.57400	B02
19	078.20.1043.57415	B03	20	078.20.1043.57228	HJ1
21	078.20.1043.57104	J1	22	078.20.1043.57369	J3
23	078.20.1043.57166	J5	24	078.20.1043.57384	J7
25	BRCLBSUB0119				

General Notes

Truss Design Engineer Scope of Work, Design Assumptions and Design Responsibilities:

The design responsibilities assumed in the preparation of these design drawings are those specified in ANSI/TPI 1, Chapter 2; and the National Design Standard for Metal Plate Connected Wood Truss Construction, by the Truss Plate Institute. The truss component designs conform to the applicable provisions of ANSI/TPI 1 and NDS, the National Design Specification for Wood Construction by AWC. The truss component designs are based on the specified loading and dimension information furnished by others to the Truss Design Engineer. The Truss Design Engineer has no duty to independently verify the accuracy or completeness of the information provided by others and may rely on that information without liability. The responsibility for verification of that information remains with others neither employed nor controlled by the Truss Design Engineer. The Truss Design Engineer's seal and signature on the attached drawings, or cover page listing these drawings, indicates acceptance of professional engineering responsibility solely for the truss component designs and not for the technical information furnished by others which technical information and consequences thereof remain their sole responsibility.

The suitability and use of these drawings for any particular structure is the responsibility of the Building Designer in accordance with ANSI/TPI 1 Chapter 2. The Building Designer is responsible for determining that the dimensions and loads for each truss component match those required by the plans and by the actual use of the individual component, and for ascertaining that the loads shown on the drawings meet or exceed applicable building code requirements and any additional factors required in the particular application. Truss components using metal connector plates with integral teeth shall not be placed in environments that will cause the moisture content of the wood in which plates are embedded to exceed 19% and/or cause corrosion of connector plates and other metal fasteners.

The Truss Design Engineer shall not be responsible for items beyond the specific scope of the agreed contracted work set forth herein, including but not limited to: verifying the dimensions of the truss component, calculation of any of the truss component design loads, inspection of the truss components before or after installation, the design of temporary or permanent bracing and their attachment required in the roof and/or floor systems, the design of diaphragms or shear walls, the design of load transfer connections to and from diaphragms and shear walls, the design of load transfer to the foundation, the design of connections for truss components to their bearing supports, the design of the bearing supports, installation of the truss components, observation of the truss component installation process, review of truss assembly procedures, sequencing of the truss component installation, construction means and methods, site and/or worker safety in the installation of the truss components and/or its connections.

This document may be a high quality facsimile of the original engineering document which is a digitally signed electronic file with third party authentication. A wet or embossed seal copy of this engineering document is available upon request.

Temporary Lateral Restraint and Bracing:

Temporary lateral restraint and diagonal bracing shall be installed according to the provisions of BCSI chapters B1, B2, B7 and/or B10 (Building Component Safety Information, by TPI and SBCA), or as specified by the Building Designer or other Registered Design Professional. The required locations for lateral restraint and/or bracing depicted on these drawings are only for the permanent lateral support of the truss members to reduce buckling lengths, and do not apply to and may not be relied upon for the temporary stability of the truss components during their installation.

Permanent Lateral Restraint and Bracing:

The required locations for lateral restraint or bracing depicted on these drawings are for the permanent lateral support of the truss members to reduce buckling lengths. Permanent lateral support shall be installed according to the provisions of BCSI chapters B3, B7 and/or B10, or as specified by the Building Designer or other Registered Design Professional. These drawings do not depict or specify installation/erection bracing, wind bracing, portal bracing or similar building stability bracing which are parts of the overall building design to be specified, designed and detailed by the Building Designer.

Connector Plate Information:

Alpine connector plates are made of ASTM A653 or ASTM A1063 galvanized steel with the following designations, gauges and grades: W=Wave, 20ga, grade 40; H=High Strength, 20ga, grade 60; S=Super Strength, 18ga, grade 60. Information on model code compliance is contained in the ICC Evaluation Service report ESR-1118, available on-line at www.icc-es.org.

Fire Retardant Treated Lumber:

Fire retardant treated lumber must be properly re-dried and maintained below 19% or less moisture level through all stages of construction and usage. Fire retardant treated lumber may be more brittle than untreated lumber. Special handling care must be taken to prevent breakage during all handling activities.

General Notes (continued)

Key to Terms:

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

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

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

CL = Certified lumber.

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

FRT = Fire Retardant Treated lumber.

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

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

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

g = green lumber.

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

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

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

Ic = Incised lumber.

FJ = Finger Jointed lumber.

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

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

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

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

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

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

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

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

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

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

PP = Panel Point.

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

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

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

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

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

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

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

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

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

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

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

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

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

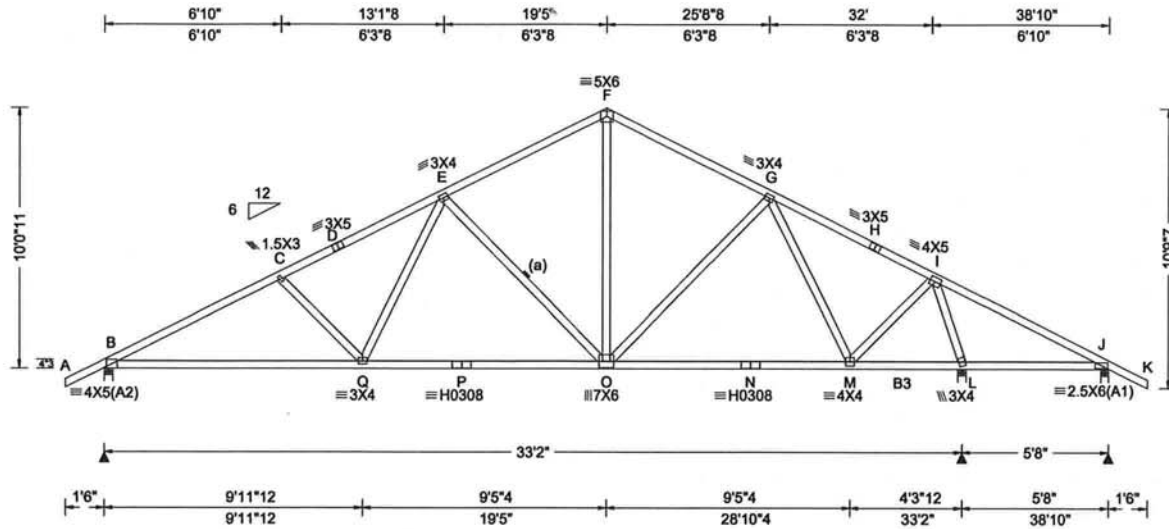
Refer to ASCE-7 for Wind and Seismic abbreviations.

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

References:

1. AWC: American Wood Council; 222 Catoctin Circle SE, Suite 201; Leesburg, VA 20175; www.awc.org.
2. ICC: International Code Council; www.iccsafe.org.
3. Alpine, a division of ITW Building Components Group Inc.: 13723 Riverport Drive, Suite 200, Maryland Heights, MO 63043; www.alpineitw.com.
4. TPI: Truss Plate Institute, 2670 Crain Highway, Suite 203, Waldorf, MD 20601; www.tpinst.org.
5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www.sbcindustry.com.

SEQN: 330696 FROM: CDM	COMN Ply: 1 Qty: 5	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: A01	Cust: R215 JRef: 1WTO2150003 T17 DrwNo: 078.20.1125.59473 / YK 03/18/2020
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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): 0.104 Q 999 240	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.194 Q 999 180	B 1541 /- /- /887 /37 /300
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.032 M - -	L 2152 /- /- /1050 /32 /-
	EXP: C Kzt: NA		HORZ(TL): 0.061 M - -	J 182 /-210 /- /139 /97 /-
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	Code / Misc Criteria	Max TC CSI: 0.797	B Brg Width = 4.0 Min Req = 1.5
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max BC CSI: 0.820	L Brg Width = 4.0 Min Req = 2.2
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max Web CSI: 0.778	J Brg Width = 3.5 Min Req = 1.5
Spacing: 24.0 "	C&C Dist a: 3.88 ft	Rep Fac: Yes		Bearings B, L, & J are a rigid surface.
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		Members not listed have forces less than 375#
	GCpi: 0.18	Plate Type(s):		Maximum Top Chord Forces Per Ply (lbs)
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 18.02.01B.0321.08	Chords Tens.Comp. Chords Tens. Comp.

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.

Additional Notes

Refer to General Notes for additional information
 Negative reaction(s) of -210# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.
 The overall height of this truss excluding overhang is 10'-0"-11".



FL REG# 278, Yoonhwak Kim, FL PE #86367
 03/18/2020

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

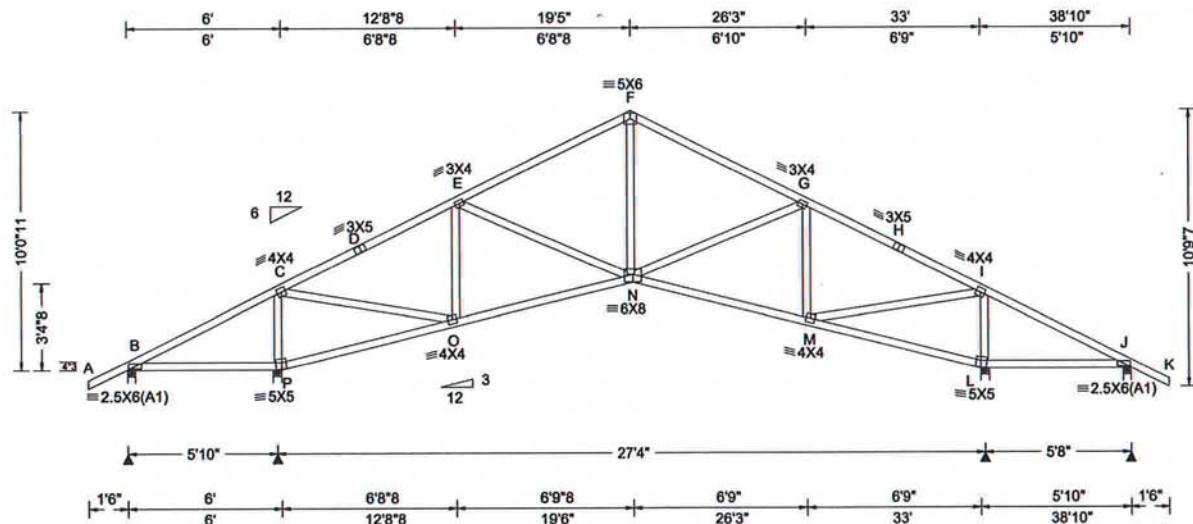
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCE) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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; SBCE: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE
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 6750 Forum Drive
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 Orlando FL, 32821

SEQN: 330693 FROM: CDM	COMN Qty: 7	Ply: 1 Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: A02	Cust: R 215 JRef: 1WTO2150003 T11 DrwNo: 078.20.1126.00630 / YK 03/18/2020
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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 GCp: 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): 0.055 N 999 240 VERT(CL): 0.112 N 999 180 HORZ(LL): 0.032 L - - HORZ(TL): 0.065 L - - Creep Factor: 2.0 Max TC CSI: 0.716 Max BC CSI: 0.553 Max Web CSI: 0.545 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL B 249 /-94 /- /58 /61 /300 P 1604 /- /- /1041 /33 /- L 1597 /- /- /933 /12 /- J 240 /-97 /- /140 /69 /- Non-Gravity Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 P Brg Width = 4.0 Min Req = 1.9 L Brg Width = 4.0 Min Req = 1.9 J Brg Width = 3.5 Min Req = 1.5 Bearings B, P, L, & J are a rigid surface. Members not listed have forces less than 375#

Lumber

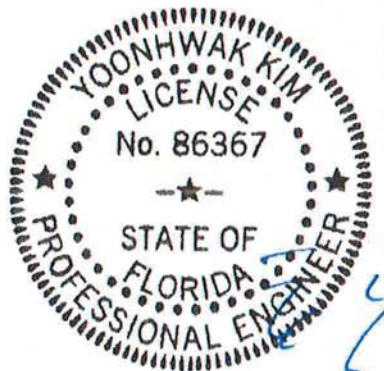
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 10'-0-11.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/18/2020

Maximum Top Chord Forces Per Ply (lbs)					
Chords	Tens.Comp.	Chords	Tens. Comp.		
B - C	529 - 138	F - G	297 - 1215		
C - D	256 - 1135	G - H	277 - 1073		
D - E	275 - 1049	H - I	259 - 1163		
E - F	303 - 1204	I - J	527 - 58		

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - P	138 - 431	N - M	1021 - 71
P - O	163 - 489	M - L	173 - 489
O - N	995 - 122	L - J	147 - 430

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
C - P	296 - 1352	G - M	112 - 481
C - O	1407 - 184	M - I	1430 - 187
O - E	110 - 491	L - I	288 - 1346
F - N	610 - 81		

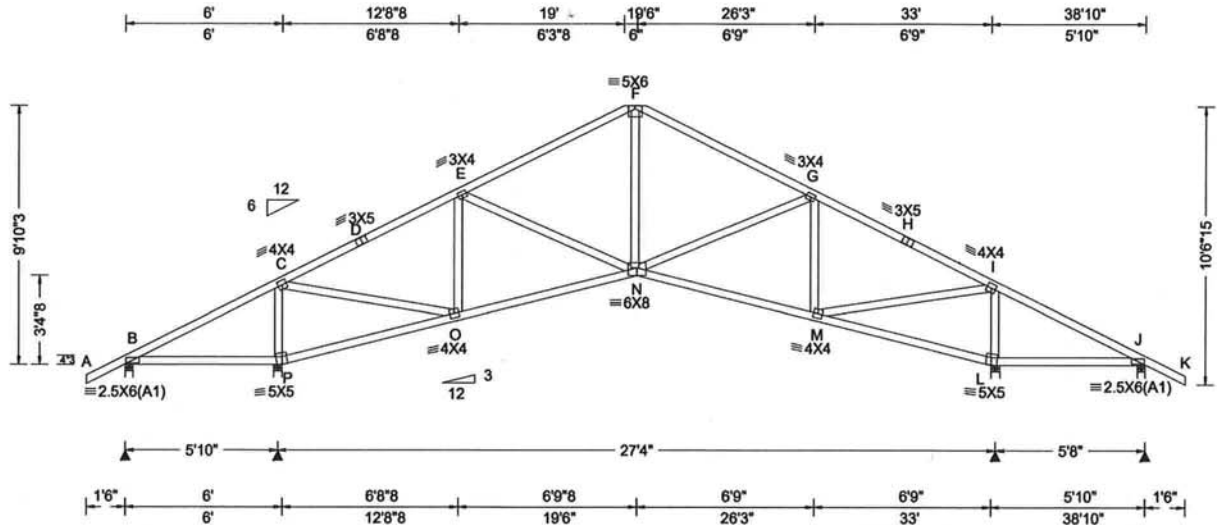
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety 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-2 for standard plate positions.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in 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

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6750 Forum Drive
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Orlando FL, 32821

SEQN: 330708 FROM: CDM	HIPS Qty: 1	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: A03	Cust: R 215 JRef: 1WTO2150003 T5 DrwNo: 078.20.1126.01640 / YK 03/18/2020
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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): 0.055	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	B	249	/-94	/-	/59	/60	/296
BCDL:	10.00	Risk Category:	II	Snow Duration: NA			HORZ(LL): 0.032	L - -	P	1604	/-	/-	/1032	/33	/-
		EXP: C	Kzt: NA				HORZ(TL): 0.065	L - -	L	1597	/-	/-	/925	/11	/-
Des Ld:	40.00	Mean Height:	15.00 ft				Creep Factor:	2.0	J	240	/-97	/-	/142	/68	/-
NCBCLL:	10.00	TCDL:	5.0 psf	Code / Misc Criteria			Max TC CSI:	0.716	Wind reactions based on MWFRS						
Soffit:	2.00	BCDL:	5.0 psf	Bldg Code: FBC 2017 RES			Max BC CSI:	0.553	B	Brg Width = 3.5			Min Req = 1.5		
Load Duration:	1.25	MWFRS Parallel Dist:	h to 2h	TPI Std: 2014			Max Web CSI:	0.545	P	Brg Width = 4.0			Min Req = 1.9		
Spacing:	24.0 "	C&C Dist a:	3.88 ft	Rep Fac: Yes					L	Brg Width = 4.0			Min Req = 1.9		
		Loc. from endwall:	not in 9.00 ft	FT/RT:20(0)/10(0)					J	Brg Width = 3.5			Min Req = 1.5		
		GCpi:	0.18	Plate Type(s):					Bearings B, P, L, & J are a rigid surface.						
		Wind Duration:	1.60	WAVE				VIEW Ver: 18.02.01B.0321.08	Members not listed have forces less than 375#						

Lumber

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

Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 9-10-3.



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03/18/2020

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - C	529 -136	F - G	284 -1219
C - D	252 -1135	G - H	271 -1073
D - E	271 -1049	H - I	253 -1163
E - F	290 -1208	I - J	527 -54

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - P	135 -431	N - M	1021 -68
P - O	160 -489	M - L	169 -488
O - N	995 -122	L - J	144 -429

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - P	289 -1352	G - M	109 -481
C - O	1407 -173	M - I	1429 -180
O - E	105 -491	L - I	283 -1346
F - N	606 -83		

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

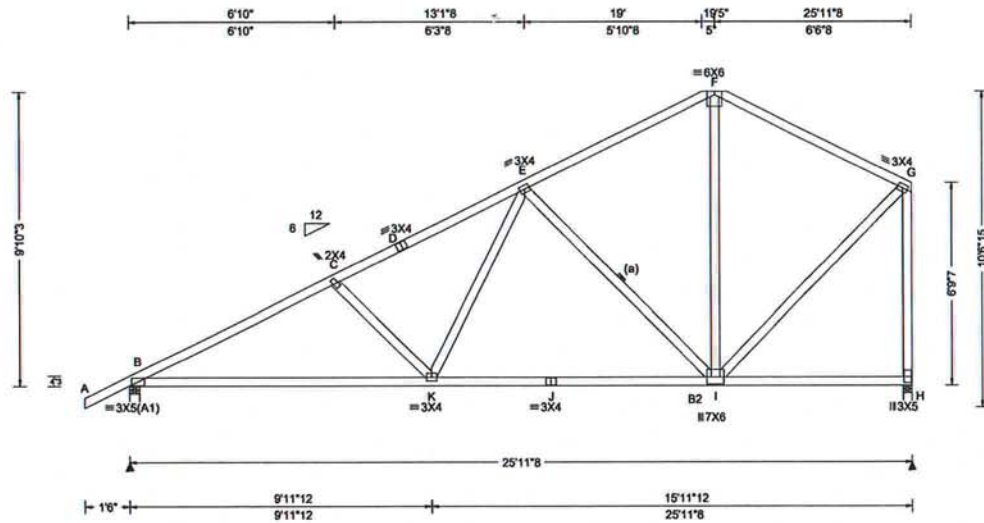
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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SEQN: 307719 / FROM: CDM	HIPS Qty: 1	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: A04	Cust: R 215 JRef: 1WTO2150003 T9 / DrwNo: 078.20.1043.57260 JB / YK 03/18/2020
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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 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpf: 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): 0.053 K 999 240 VERT(CL): 0.109 K 999 180 HORZ(LL): 0.015 I - - HORZ(TL): 0.031 I - - Creep Factor: 2.0 Max TC CSI: 0.641 Max BC CSI: 0.777 Max Web CSI: 0.858 VIEW Ver: 18.02.01B.0321.08	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL						
				B	1179	-	-	1753	137	1215						
				H	1059	-	-	1587	129	-						
				Wind reactions based on MWFRS												
				B	Brg Width = 4.0		Min Req = 1.5									
				H	Brg Width = 3.5		Min Req = 1.5									
				Bearings B & H are a rigid surface.												
				Members not listed have forces less than 375#												
				Maximum Top Chord Forces Per Ply (lbs)												
				Chords	Tens.Comp.		Chords	Tens. Comp.								
				B - C	337	-1817	E - F	217	-720							
				C - D	304	-1532	F - G	221	-709							
				D - E	324	-1469										

Lumber

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

Bracing

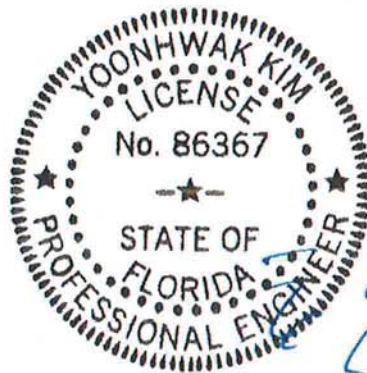
(a) Continuous lateral restraint equally spaced on member.

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
03/18/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

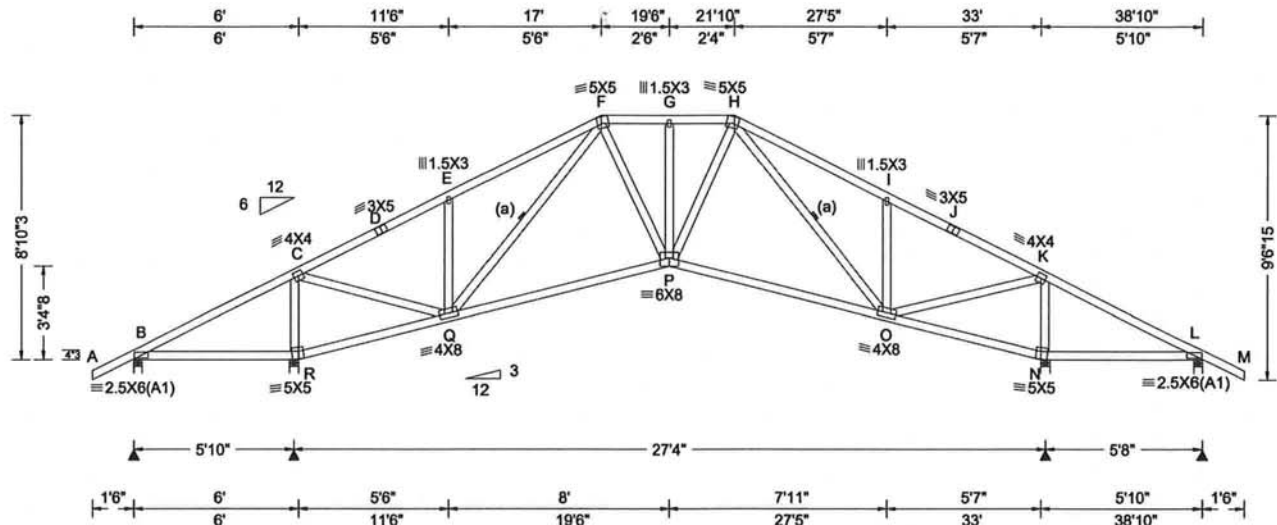
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 330705 FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: A05	Cust: R 215 JRef: 1WTO2150003 T4 DrwNo: 078.20.1127.19113 / YK 03/18/2020
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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/defl L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.052 G 999 240	B	250	/-92	/-	/54	/52	/268
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.105 G 999 180	R	1603	-	/-	/1029	/47	-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.033 N - -	N	1598	/-	/-	/940	/20	/-
	EXP: C Kzt: NA		HORZ(TL): 0.068 N - -	L	240	/-99	/-	/135	/59	/-
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	Code / Misc Criteria	Max TC CSI: 0.599	B	Brg Width = 3.5		Min Req = 1.5			
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max BC CSI: 0.695	R	Brg Width = 4.0		Min Req = 1.9			
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max Web CSI: 0.527	N	Brg Width = 4.0		Min Req = 1.9			
Spacing: 24.0 "	C&C Dist a: 3.88 ft	Rep Fac: Yes		L	Brg Width = 3.5		Min Req = 1.5			
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		Bearings B, R, N, & L are a rigid surface.						
	GCpi: 0.18	Plate Type(s):		Members not listed have forces less than 375#						
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08							

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.

Additional Notes

Refer to General Notes for additional information

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/18/2020

****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-2 for standard plate positions.

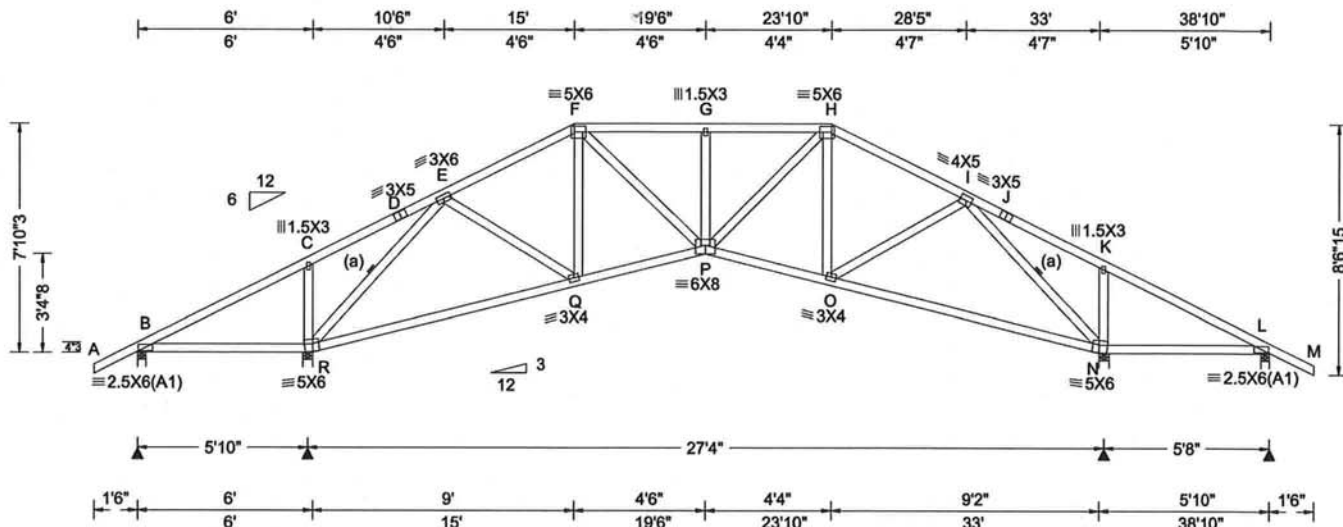
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, 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.alpinetw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org



6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 330702 FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: A07	Cust: R 215 JRef: 1WTO2150003 T13 DrwNo: 078.20.1127.20287 / YK 03/18/2020
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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): 0.064 G 999 240		Loc	R+	R-	/ Rh	/ Rw	/ U	/ RL	
BCLL: 0.00		Enclosure: Closed		Lu: NA Cs: NA		VERT(CL): 0.130 G 999 180		B 228	/-105	/-		/59	/48	/241	
BCDL: 10.00		Risk Category: II		Snow Duration: NA		HORZ(LL): 0.047 N - -		R 1624	/-	/-		/1017	/44	/-	
		EXP: C Kzt: NA				HORZ(TL): 0.096 N - -		N 1613	/-	/-		/936	/20	/-	
Des Ld: 40.00		Mean Height: 15.00 ft				Creep Factor: 2.0		L 219	/-107	/-		/134	/77	/-	
NCBCLL: 10.00		TCDL: 5.0 psf				Max TC CSI: 0.564		Wind reactions based on MWFRS							
Soffit: 2.00		BCDL: 5.0 psf				Max BC CSI: 0.775		B	Brg Width = 3.5			Min Req = 1.5			
Load Duration: 1.25		MWFRS Parallel Dist: h to 2h				Max Web CSI: 0.506		R	Brg Width = 4.0			Min Req = 1.9			
Spacing: 24.0 "		C&C Dist a: 3.88 ft						N	Brg Width = 4.0			Min Req = 1.9			
		Loc. from endwall: not in 9.00 ft						L	Brg Width = 3.5			Min Req = 1.5			
		GCpi: 0.18						Bearings B, R, N, & L are a rigid surface.							
		Wind Duration: 1.60						Members not listed have forces less than 375#							
				Code / Misc Criteria		VIEW Ver: 18.02.01B.0321.08									
				Bldg Code: FBC 2017 RES											
				TPI Std: 2014											
				Rep Fac: Yes											
				FT/RT:20(0)/10(0)											
				Plate Type(s):											
				WAVE											

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.

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 7'-10"-3."



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/18/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - R	174 -457	P - O	1064 -74
R - Q	654 -123	O - N	688 -94
Q - P	1041 -42	N - L	184 -452

Maximum Web Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - E	330 -1679	P - H	581 -104
E - Q	471 -29	O - I	452 -20
F - P	601 -118	I - N	357 -1698

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

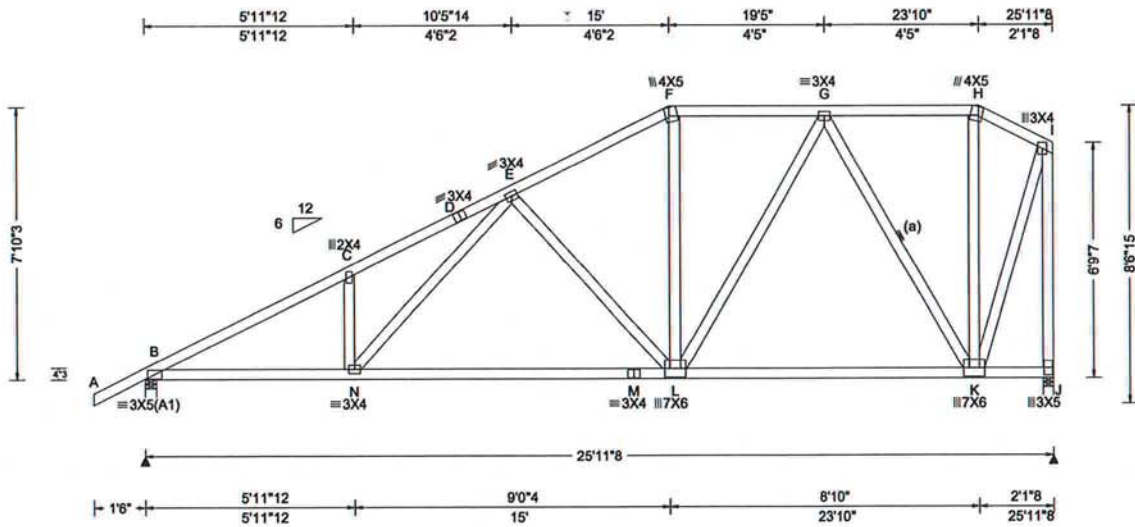
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCEA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions.

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

SEQN: 307733 / FROM: CDM	HIPS Qty: 1	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: A08	Cust: R 215 JRef: 1WTO2150003 T26 / DrwNo: 078.20.1043.57105 JB / YK 03/18/2020
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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: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: 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): 0.061 N 999 240 VERT(CL): 0.124 N 999 180 HORZ(LL): 0.021 K - - HORZ(TL): 0.043 K - - Creep Factor: 2.0 Max TC CSI: 0.327 Max BC CSI: 0.941 Max Web CSI: 0.907 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1179 - / - /761 /76 /164 J 1059 - / - /579 /127 - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 J Brg Width = 3.5 Min Req = 1.5 Bearings B & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 378 -1906 E - F 306 -1080 C - D 441 -1868 F - G 311 -909 D - E 448 -1777

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

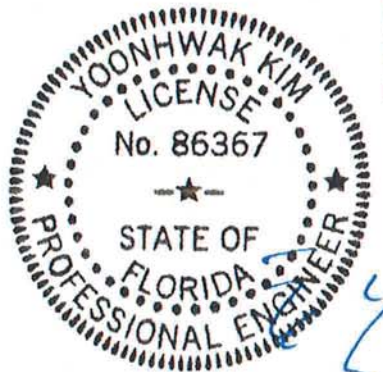
Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/18/2020

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

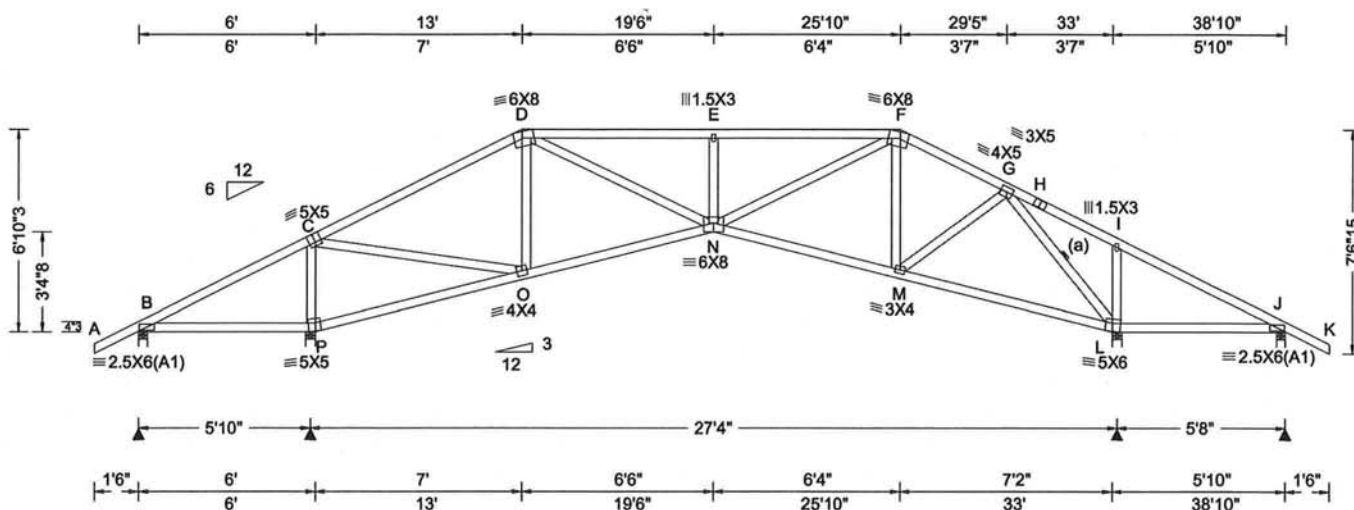
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For more information see this job's general notes page and these web sites: ALPINE: www.alpinetw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 330699 FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: A09	Cust: R 215 JRef: 1WTO2150003 17 DrwNo: 078.20.1127.24490 / YK 03/18/2020
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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: 3.88 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	PP Deflection in loc L/defl L/# VERT(LL): 0.091 E 999 240 VERT(CL): 0.185 E 999 180 HORZ(LL): 0.048 L - - HORZ(TL): 0.099 L - - Creep Factor: 2.0 Max TC CSI: 0.805 Max BC CSI: 0.550 Max Web CSI: 0.567 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 192 /-205 /- /31 /47 /214 P 1704 /- /- /1045 /272 /- L 1779 /- /- /1004 /285 /- J 143 /-260 /- /109 /136 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 P Brg Width = 4.0 Min Req = 2.0 L Brg Width = 4.0 Min Req = 2.1 J Brg Width = 3.5 Min Req = 1.5 Bearings B, P, L, & J are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

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

Additional Notes

Refer to General Notes for additional information
Negative reaction(s) of -260# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.
The overall height of this truss excluding overhang is 6'-10-3/8".



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/18/2020

Maximum Top Chord Forces Per Ply (lbs)				
Chords	Tens.Comp.	Chords	Tens. Comp.	
B - C	760 -131	F - G	307 -923	
C - D	299 -1008	G - H	908 -84	
D - E	462 -1735	H - I	878 -98	
E - F	462 -1735	I - J	890 -172	

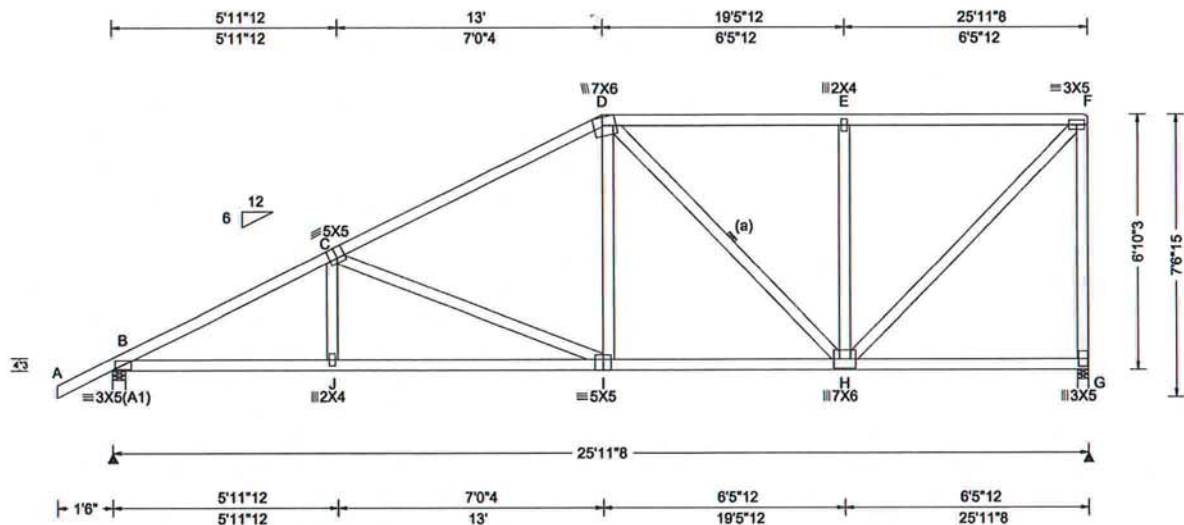
Maximum Bot Chord Forces Per Ply (lbs)				
Chords	Tens.Comp.	Chords	Tens. Comp.	
B - P	199 -635	N - M	826 -56	
P - O	228 -702	L - J	246 -758	
O - N	846 -43			

Maximum Web Forces Per Ply (lbs)				
Webs	Tens.Comp.	Webs	Tens. Comp.	
C - P	359 -1392	N - F	1059 -184	
C - O	1488 -256	M - F	97 -407	
D - O	138 -477	M - G	676 -89	
D - N	1033 -192	G - L	378 -1727	
E - N	165 -410			

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6750 Forum Drive
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Orlando FL, 32821

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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; SBCE: www.sbceindustry.com; ICC: www.iccsafe.org

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: 1WTO2150003 T27 / DrwNo: 078.20.1043.57244 JB / YK 03/18/2020
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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): 0.062 C 999 240	B	1179	-/-	-	/755	/191	/207
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.126 C 999 180	G	1059	-/-	-	/578	/214	-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.022 H - -	Wind reactions based on MWFRS						
	EXP: C Kzt: NA		HORZ(TL): 0.046 H - -	B	Brg Width = 4.0		Min Req = 1.5			
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 2.0	G	Brg Width = 3.5		Min Req = 1.5			
NCBCLL: 10.00	TCDL: 5.0 psf	Code / Misc Criteria	Max TC CSI: 0.665	Bearings B & G are a rigid surface.						
Soffit: 2.00	BCDL: 5.0 psf	Bldg code: FBC 2017 RES	Max BC CSI: 0.651	Members not listed have forces less than 375#						
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max Web CSI: 0.841	Maximum Top Chord Forces Per Ply (lbs)						
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes		Chords	Tens.Comp.		Chords	Tens. Comp.		
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		B - C	395 -1915		D - E	245 -836		
	GCpi: 0.18	Plate Type(s):	VIEW Ver: 18.02.01B.0321.08							
	Wind Duration: 1.60	WAVE								

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

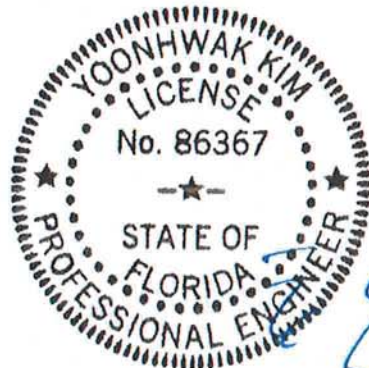
Wind

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/18/2020

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		

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

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

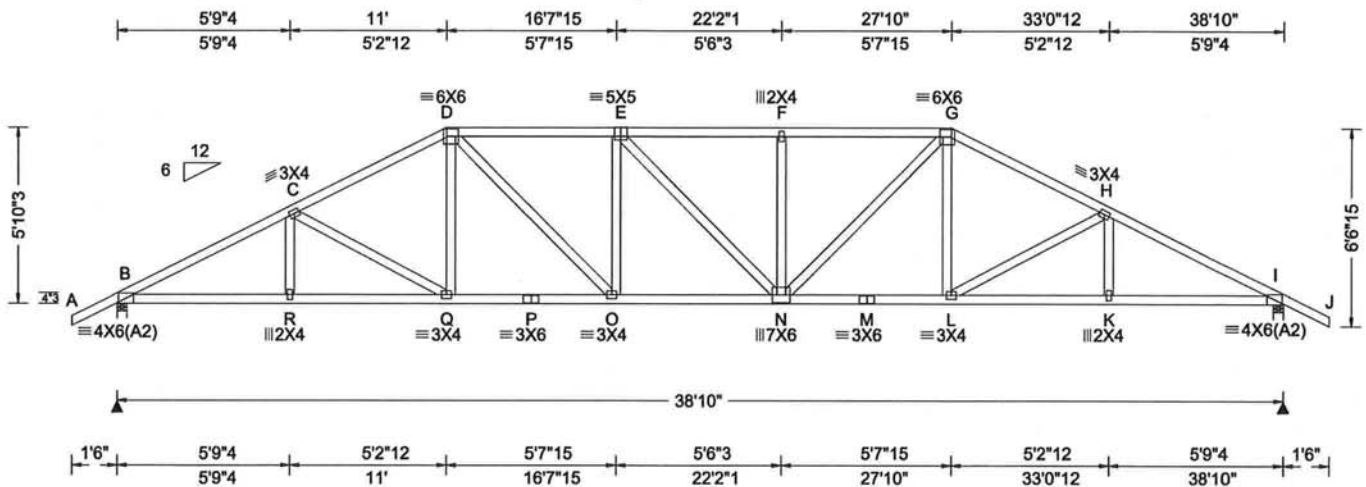
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SEQN: 307742 / FROM: CDM	HIPS Qty: 1	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: A11	Cust: R215 JRef: 1WTO2150003 T3 / DrwNo: 078.20.1043.57135 JB / YK 03/18/2020
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Loading Criteria (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	Code / Misc Criteria	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	Bldg Code: FBC 2017 RES		Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	TPI Std: 2014		
	Wind Duration: 1.60	Rep Fac: Yes		
		FT/RT:20(0)/10(0)		
		Plate Type(s):		
		WAVE	VIEW Ver: 18.02.01B.0321.08	B - C 769 -2994 F - G 795 -2715

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
03/18/2020

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		

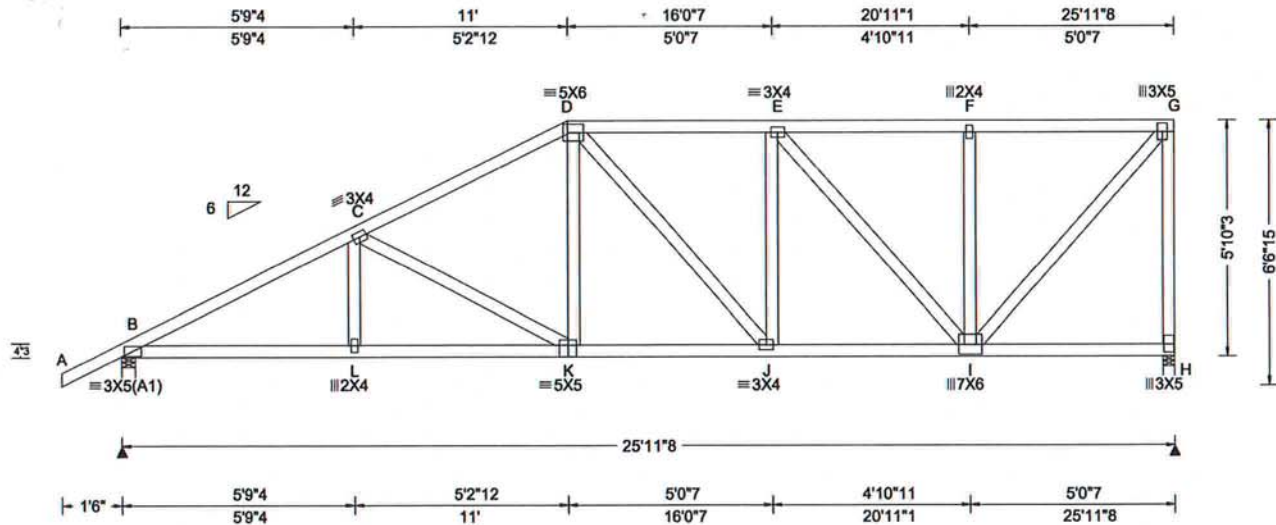
Maximum Web Forces Per Ply (lbs)

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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SEQN: 307745 / FROM: CDM	HIPM Qty: 1	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: A12	Cust: R.215 JRef: 1WTO2150003 T28 / DrwNo: 078.20.1043.57339 JB / YK 03/18/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCPl: 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): 0.061 K 999 240 VERT(CL): 0.125 K 999 180 HORZ(LL): 0.023 I - - HORZ(TL): 0.048 I - - Creep Factor: 2.0 Max TC CSI: 0.359 Max BC CSI: 0.468 Max Web CSI: 0.618 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL B 1179 - / - / 741 / 199 / 178 H 1059 - / - / 563 / 212 / - Non-Gravity Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 H Brg Width = 3.5 Min Req = 1.5 Bearings B & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 425 - 1890 E - F 230 - 807 C - D 379 - 1444 F - G 230 - 807 D - E 345 - 1189

Lumber

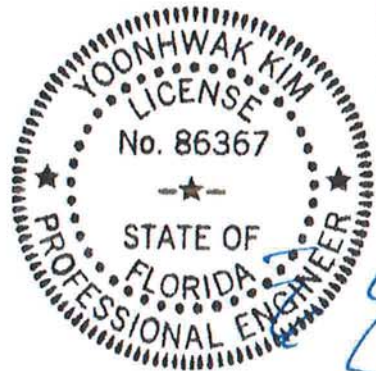
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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'-10-3/4".



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/18/2020

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		

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

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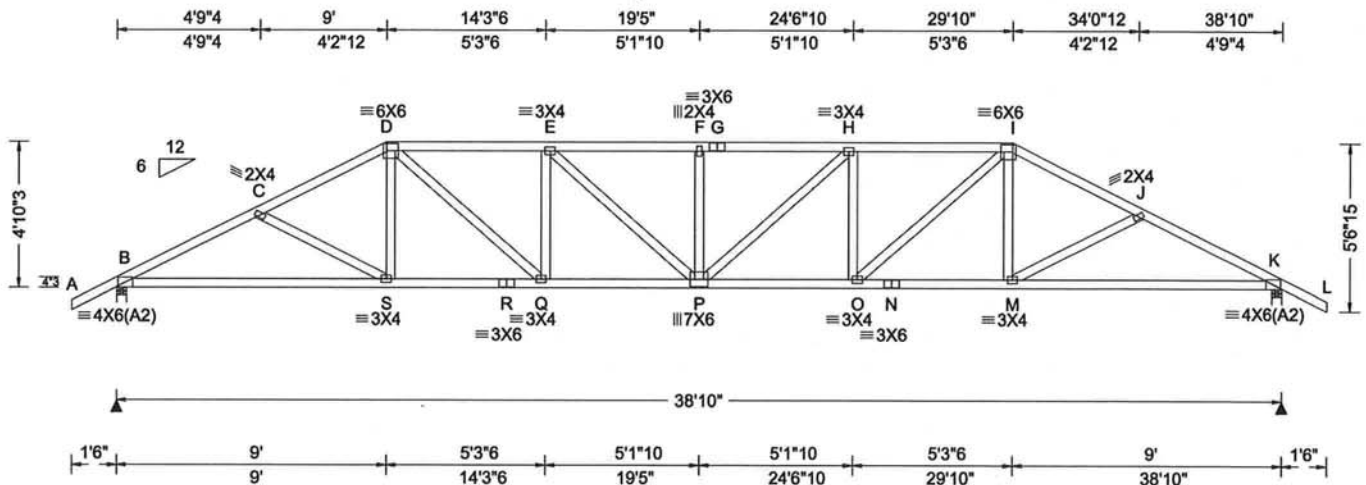
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SEQN: 307754 / FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: A13	Cust: R215 JRef: 1WTO2150003 T2 / DrwNo: 078.20.1043.57197 JB / YK 03/18/2020
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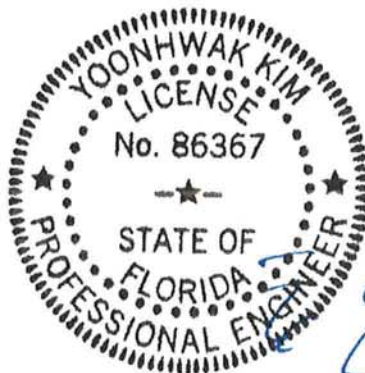


Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.262 F 999 240	Loc R+ /R- /Rh /Rw /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 -/
	EXP: C Kzt: NA		HORZ(TL): 0.168 M - -	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 = 2.0
NCBCLL: 10.00	TCDL: 5.0 psf	Code / Misc Criteria	Max TC CSI: 0.381	K Brg Width = 4.0 Min Req = 2.0
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max BC CSI: 0.896	Bearings B & K are a rigid surface.
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max Web CSI: 0.361	Members not listed have forces less than 375#
Spacing: 24.0 "	C&C Dist a: 3.88 ft	Rep Fac: Yes		Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08	B - C 813 -2993 G - H 945 -3368

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
03/18/2020

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

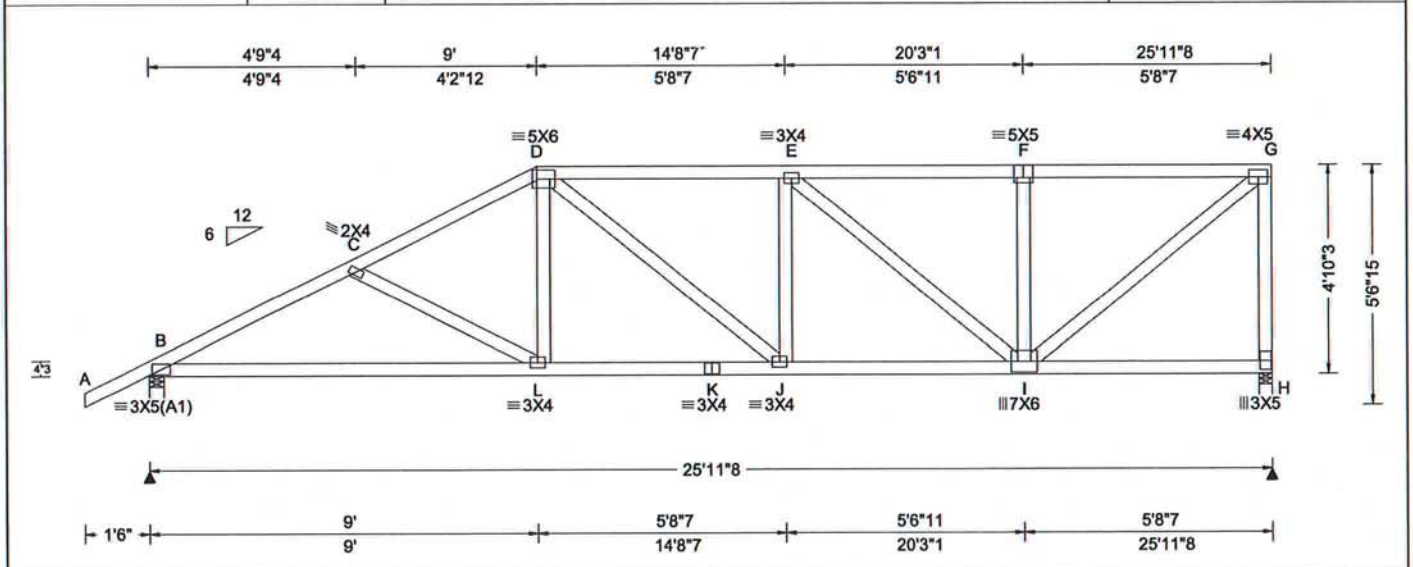
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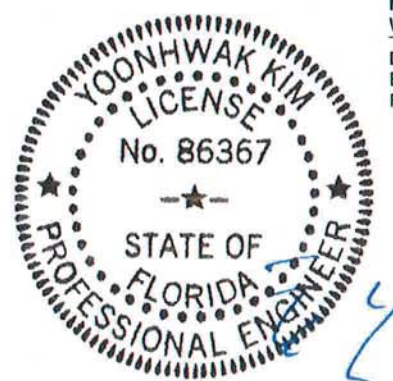
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SEQN: 307751 / FROM: CDM	HIPM Qty: 1	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: A14	Cust: R 215 JRef: 1WTO2150003 T29 / DrwNo: 078.20.1043.57150 JB / YK 03/18/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA 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): 0.068 J 999 240 VERT(CL): 0.138 J 999 180 HORZ(LL): 0.024 I - - HORZ(TL): 0.049 I - - Creep Factor: 2.0 Max TC CSI: 0.479 Max BC CSI: 0.787 Max Web CSI: 0.534 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL B 1179 - / - / 725 / 206 / 150 H 1059 - / - / 551 / 207 / - Non-Gravity Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 H Brg Width = 3.5 Min Req = 1.5 Bearings B & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 476 -1883 E - F 301 -1086 C - D 425 -1613 F - G 301 -1086 D - E 428 -1508

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'-10-3/4".	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
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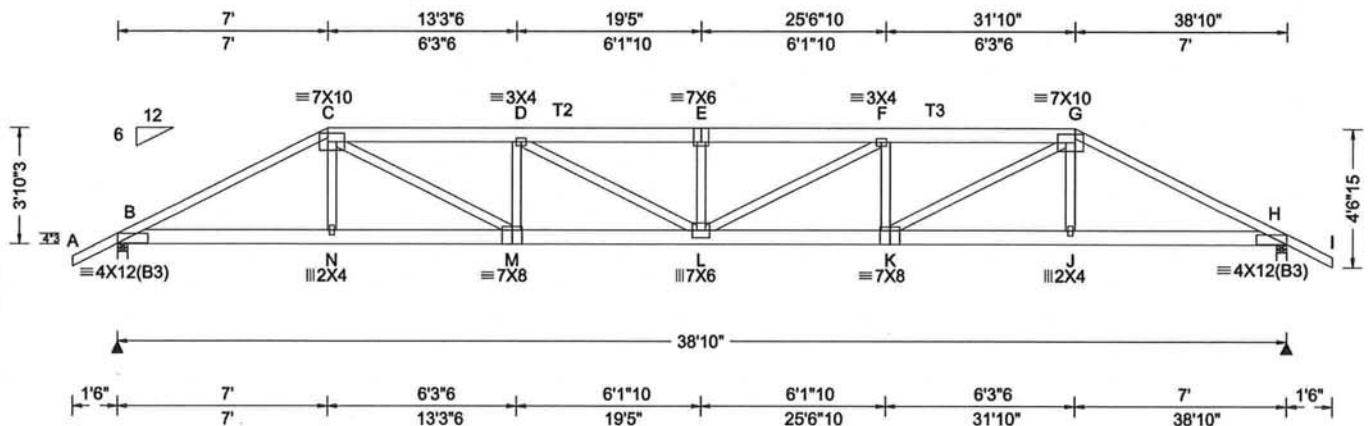
FL REG# 278, Yoonhwak Kim, FL PE #86367
03/18/2020

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SEQN: 307757 / FROM: CDM	HIPS Qty: 1	Ply: 2	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: A15	Cust: R215 JRef: 1WTO2150003 T19 / DrwNo: 078.20.1043.57229 JB / YK 03/18/2020
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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
17.06,19.06,19.77,21.77,23.77,25.77,27.77,29.77
BC: 462 lb Conc. Load at 7.03,31.80
BC: 129 lb Conc. Load at 9.06,11.06,13.06,15.06
17.06,19.06,19.77,21.77,23.77,25.77,27.77,29.77

Wind

Wind loads and reactions based on MWFRS.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/18/2020

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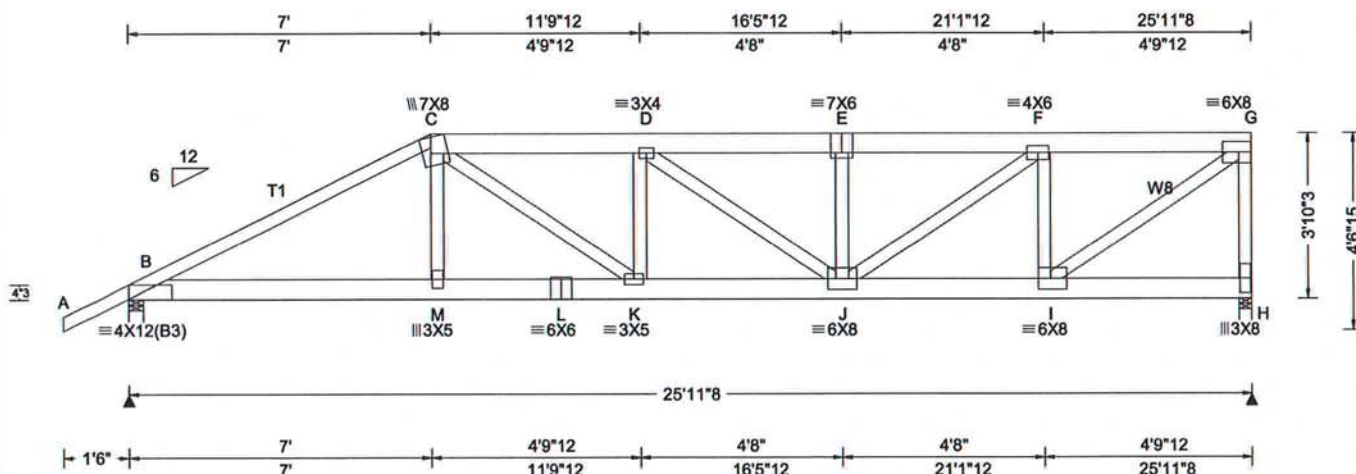
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SECA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

SEQN: 307763 / FROM: CDM	HIPM Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: A16	Cust: R 215 JRef: 1WTO2150003 T31 / DrwNo: 078.20.1043.57338 JB / YK 03/18/2020
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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: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA 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/defl L/# VERT(LL): 0.139 D 999 240 VERT(CL): 0.279 D 999 180 HORZ(TL): 0.063 H - - Creep Factor: 2.0 Max TC CSI: 0.356 Max BC CSI: 0.335 Max Web CSI: 0.840 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL B 2402 - / - / - / 517 - / - H 2621 - / - / - / 557 - / - Non-Gravity Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 2.0 H Brg Width = 3.5 Min Req = 2.2 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 980 -4593 E - F 992 -4696 C - D 1061 -5030 F - G 637 -3019 D - E 992 -4696

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

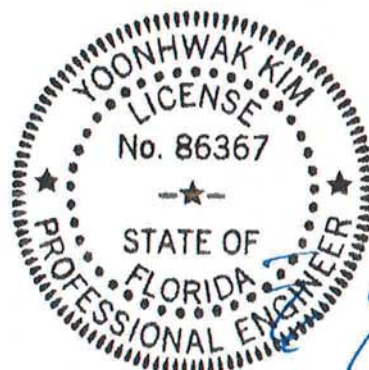
(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 62 plf at -1.50 to 62 plf at 7.00
TC: From 31 plf at 7.00 to 31 plf at 25.96
BC: From 4 plf at -1.50 to 4 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 7.03
BC: From 10 plf at 7.03 to 10 plf at 25.96
TC: 260 lb Conc. Load at 7.03
TC: 187 lb Conc. 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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/18/2020

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

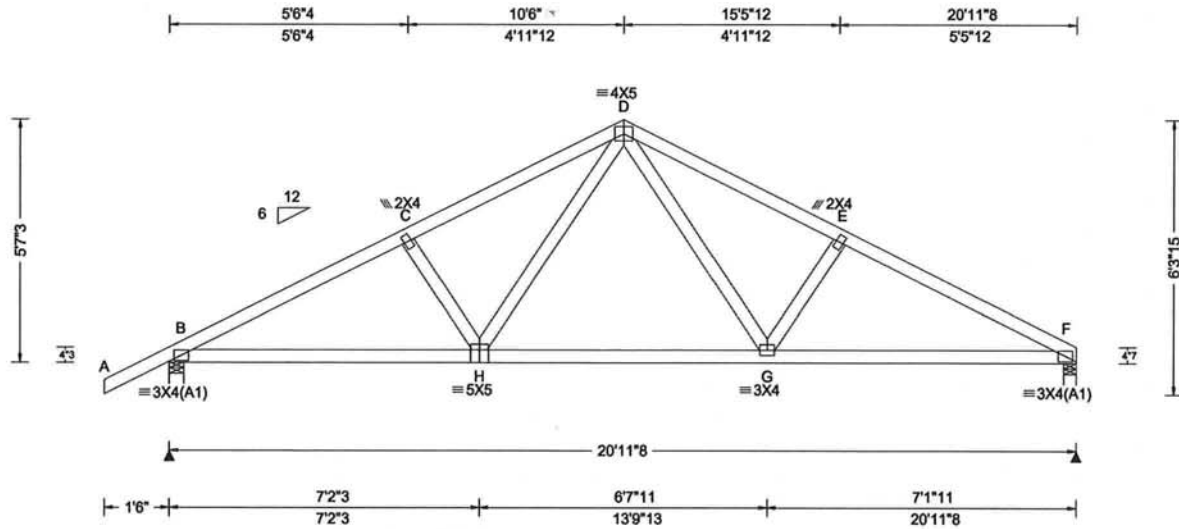
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ALPINE
AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 307666 / FROM: CDM	COMN Ply: 1 Qty: 6	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: B01	Cust: R 215 JRef: 1WTO2150003 T12 / DrwNo: 078.20.1043.57275 JB / YK 03/18/2020
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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 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 GCpl: 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): 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 Loc R+ / R- / Rh B 968 /- /- /583 /174 /157 F 859 /- /- /497 /145 /- Non-Gravity Loc / U / RL 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

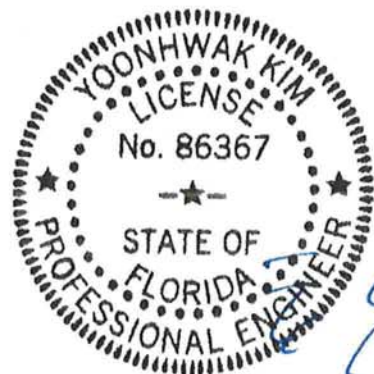
The overall height of this truss excluding overhang is 5'-7-3.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/18/2020

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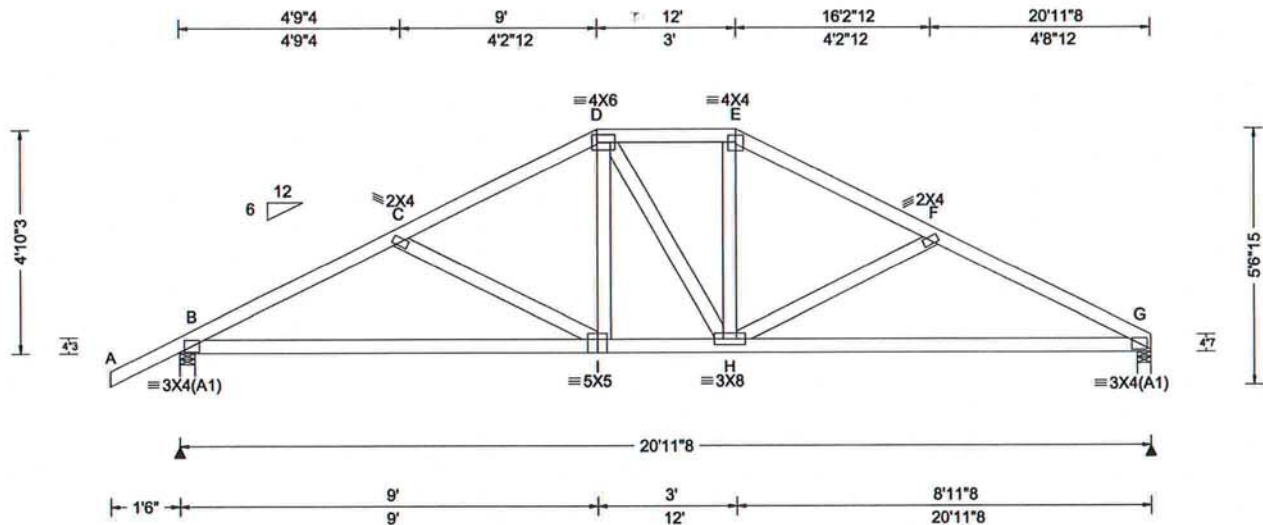
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ALPINE
AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

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: 1WTO2150003 T32 / DrwNo: 078.20.1043.57400 JB / YK 03/18/2020
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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/defl 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	B	968	-/-	-/-	/584	/176	/138	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.086 I 999 180	G	859	-/-	-/-	/497	/147	-/-	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.019 H - -	Wind reactions based on MWFRS							
Des Ld: 40.00	EXP: C Kzt: NA	Code / Misc Criteria	HORZ(TL): 0.039 H - -	B	Brg Width = 4.0		Min Req = 1.5				
NCBCLL: 10.00	Mean Height: 15.00 ft		Bldg Code: FBC 2017 RES	Creep Factor: 2.0	G	Brg Width = 3.5		Min Req = 1.5			
Soffit: 2.00	TCDL: 5.0 psf		TPI Std: 2014	Max TC CSI: 0.283	Bearings B & G are a rigid surface.						
Load Duration: 1.25	BCDL: 5.0 psf		Rep Fac: Yes	Max BC CSI: 0.710	Members not listed have forces less than 375#						
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h	FT/RT:20(0)/10(0)	Max Web CSI: 0.164	Maximum Top Chord Forces Per Ply (lbs)							
	C&C Dist a: 3.00 ft	Plate Type(s):		Chords	Tens.Comp.		Chords	Tens. Comp.			
	Loc. from endwall: not in 9.00 ft	WAVE	VIEW Ver: 18.02.01B.0321.08	B - C	400	-1437	E - F	345	-1143		
	GCpi: 0.18			C - D	342	-1145	F - G	410	-1449		
	Wind Duration: 1.60			D - E	331	-972					
Lumber				Maximum Bot Chord Forces Per Ply (lbs)							
Top chord: 2x4 SP #2;				Chords	Tens.Comp.		Chords	Tens. Comp.			
Bot chord: 2x4 SP #2;				B - I	1236	-310	H - G	1251	-304		
Webs: 2x4 SP #3;				I - H	966	-187					
Wind											
Wind loads based on MWFRS with additional C&C											

Lumber

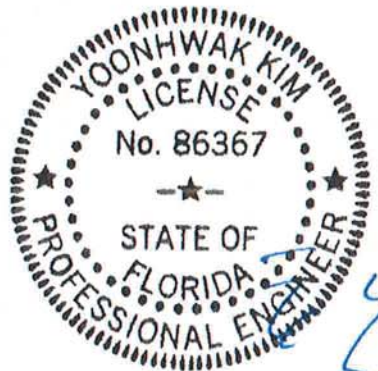
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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
03/18/2020

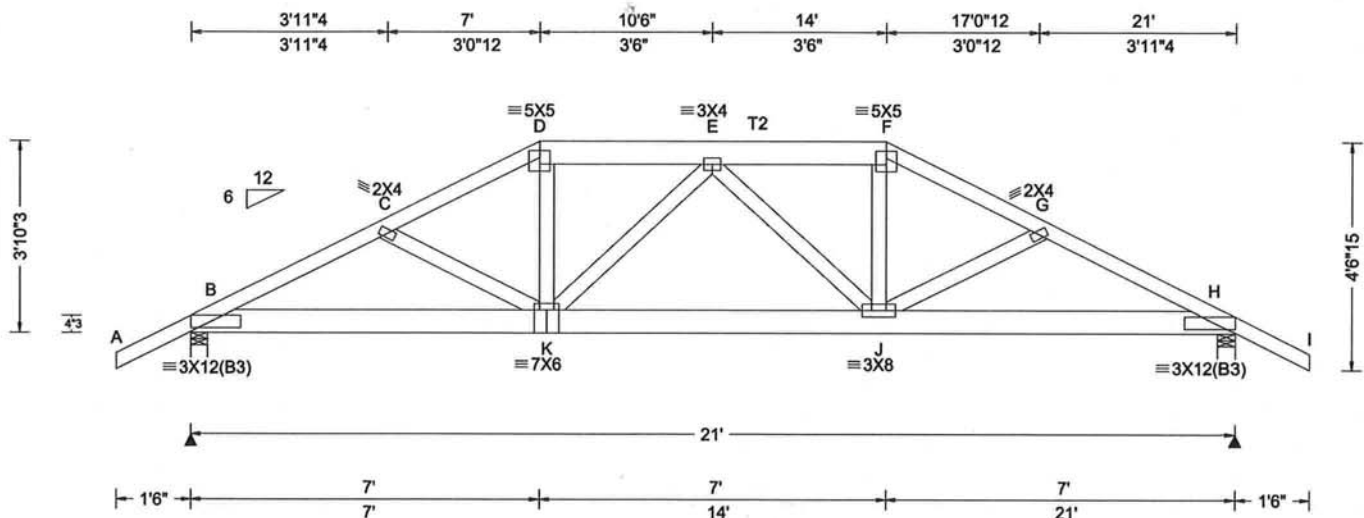
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ALPINE
AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 321177 / FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: B03	Cust: R215 JRef: 1WTO2150003 T1 / DrwNo: 078.20.1043.57415 JB / YK 03/18/2020
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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	PP Deflection in loc L/def L/#		Gravity	Non-Gravity
TCCL: 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		TCCL: 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.
		GCpi: 0.18						B - C	818 - 3817
		Wind Duration: 1.60						E - F	667 - 3315
								C - D	750 - 3666
								F - G	749 - 3668
								D - E	668 - 3313
								G - H	818 - 3818

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
03/18/2020

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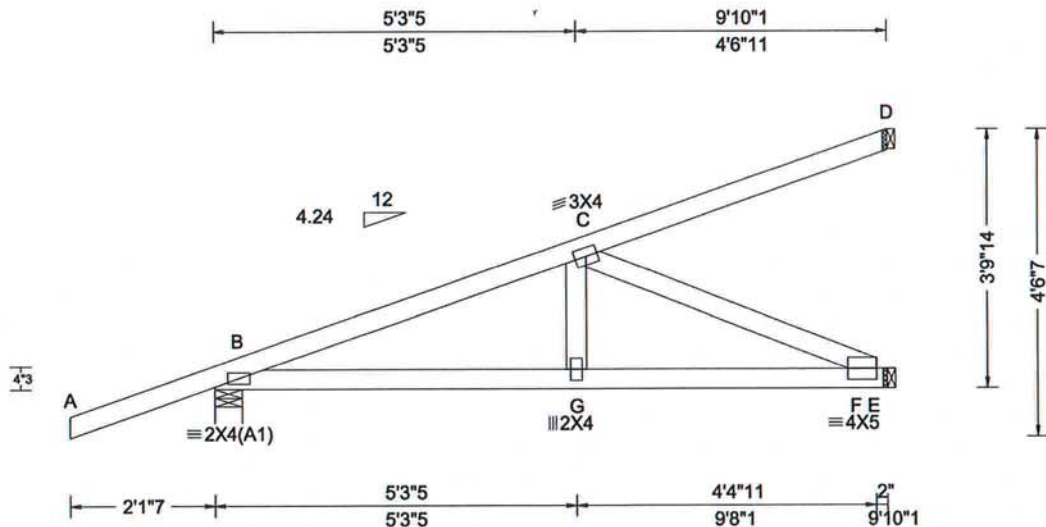
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ALPINE
ANTW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 307700 / FROM: CDM	HIP_	Ply: 1 Qty: 5	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: HJ1	Cust: R 215 JRef: 1WTO2150003 T24 / DrwNo: 078.20.1043.57228 JB / YK 03/18/2020
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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): 0.019 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	Code / Misc Criteria	Max TC CSI: 0.539	B	Brg Width = 4.9			Min Req = 1.5		
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max BC CSI: 0.606	E	Brg Width = 1.5			Min Req = -		
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max Web CSI: 0.332	D	Brg Width = 1.5			Min Req = -		
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case		Bearing B is a rigid surface.						
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		Members not listed have forces less than 375#						
	GCpi: 0.18	Plate Type(s):		Maximum Top Chord Forces Per Ply (lbs)						
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08	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			

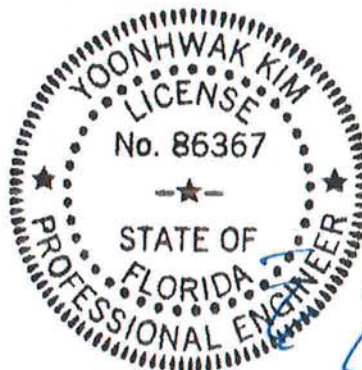
Wind

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
03/18/2020

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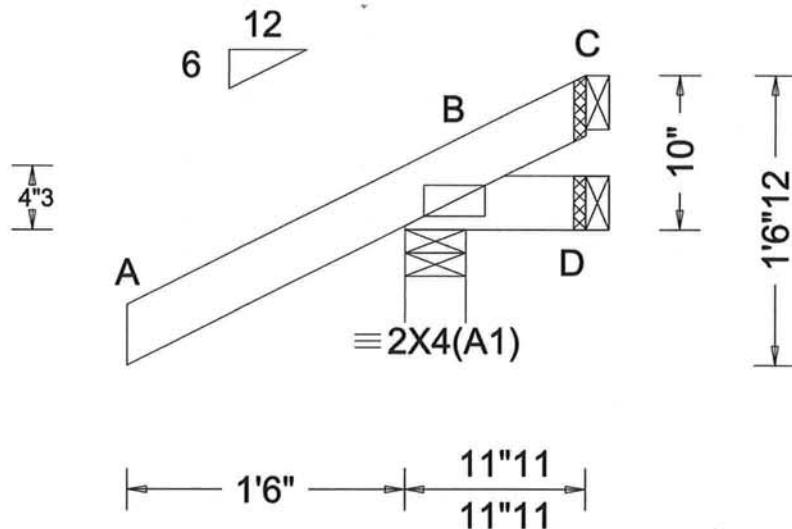
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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13723 Riverport Drive
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Maryland Heights, MO 63043

SEQN: 307681 / FROM: CDM	JACK Ply: 1 Qty: 10	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: J1	Cust: R 215 JRef: 1WTO2150003 T22 / DrwNo: 078.20.1043.57104 JB / YK 03/18/2020
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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/defl L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	B	256	/-	/-	/206	/73	/35
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	D	3	/-18	/-	/18	/19	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 D - -	C	-	/-57	/-	/34	/58	/-
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: 0.296	D	Brg Width = 1.5		Min Req = -			
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.038	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: Any									
	GCpi: 0.18									
	Wind Duration: 1.60									

Lumber

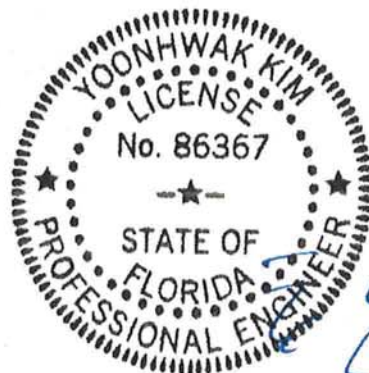
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

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

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/18/2020

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

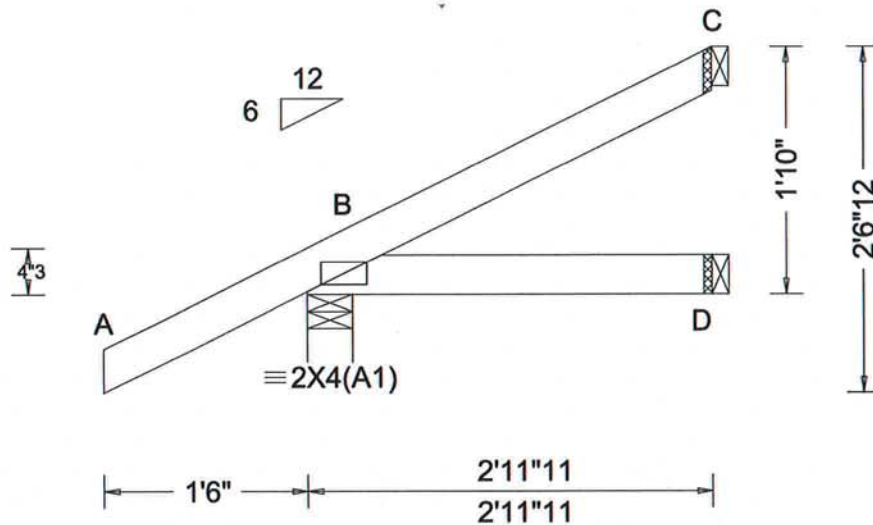
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Maryland Heights, MO 63043

SEQN: 307674 / FROM: CDM	JACK Qty: 10	Ply: 1 Qty: 10	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: J3	Cust: R215 JRef:1WTO2150003 T21 / DrwNo: 078.20.1043.57369 JB / YK 03/18/2020
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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/defl 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	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	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		VIEW Ver: 18.02.01B.0321.08							

Lumber

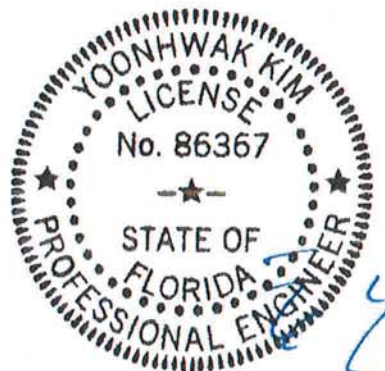
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

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

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/18/2020

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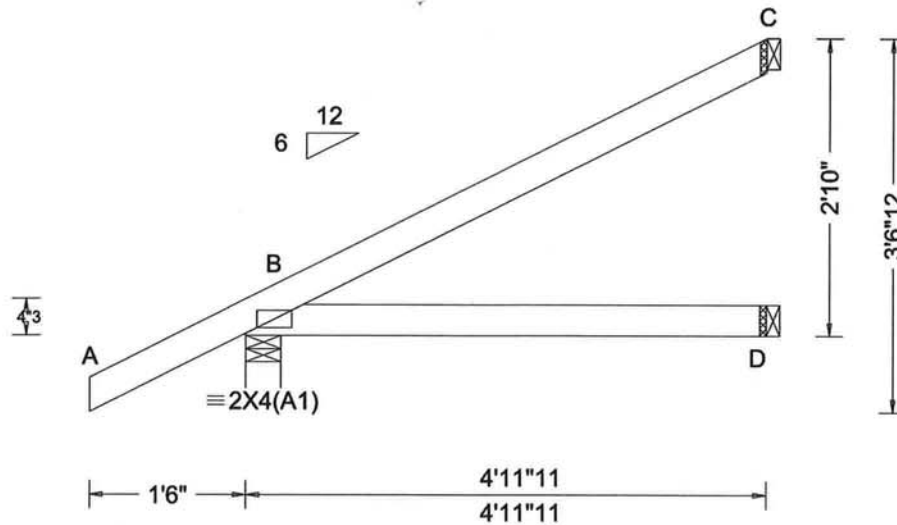
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SEQN: 307667 / FROM: CDM	JACK Qty: 10	Ply: 1 Qty: 10	Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: J5	Cust: R215 JRef: 1WTO2150003 T20 / DrwNo: 078.20.1043.57166 JB / YK 03/18/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA 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): NA VERT(CL): NA HORZ(LL): 0.004 D - - HORZ(TL): 0.008 D - - Creep Factor: 2.0 Max TC CSI: 0.306 Max BC CSI: 0.245 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 330 /- /- /235 /48 /92 D 89 /- /- /63 /- /- C 127 /- /- /62 /48 /- 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 2-10-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/18/2020

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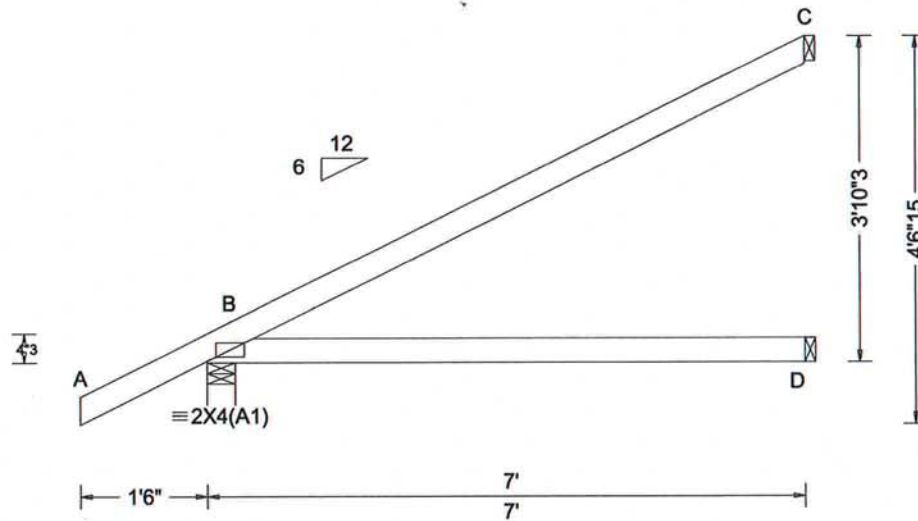
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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Maryland Heights, MO 63043

SEQN: 307662 / FROM: CDM	EJAC Qty: 29	Ply: 1 Job Number: 19-3823 /Nagy Residence /SPARKS CONST. Truss Label: J7	Cust: R215 JRef: 1WTO2150003 T23 / DrwNo: 078.20.1043.57384 JB / YK 03/18/2020
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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/defl L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA							
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		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									
		Code / Misc Criteria								
		Bldg Code: FBC 2017 RES								
		TPI Std: 2014								
		Rep Fac: Yes								
		FT/RT:20(0)/10(0)								
		Plate Type(s):								
		WAVE								
			VIEW Ver: 18.02.01B.0321.08							

Lumber

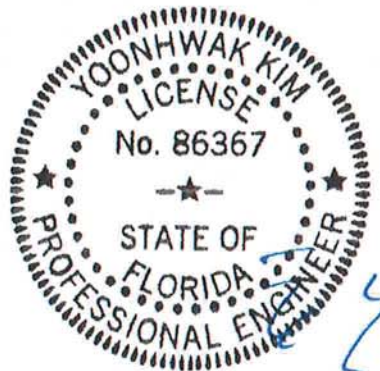
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/18/2020

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