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

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

Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 19-3822
Job Description: Guadalupe Soto	
Address: FL	

Job Engineering Criteria:			
Design Code: FBC 2017 RES		IntelliVIEW Version: 18.02.01B through 19.02.02B	
		JRef #: 1WVf2150006	
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, 17 truss drawing(s) and 0 detail(s).

Item	Drawing Number	Truss
1	141.20.1033.57610	A01
3	141.20.1034.00353	A03
5	141.20.1034.22943	A05
7	141.20.1034.34597	HJ1
9	141.20.1034.37297	J10
11	141.20.1034.40227	J3
13	141.20.1034.43170	J5
15	141.20.1034.46280	J7
17	141.20.1034.50653	J9

Item	Drawing Number	Truss
2	141.20.1033.59013	A02
4	141.20.1034.01693	A04
6	141.20.1034.30680	B01
8	141.20.1034.35913	J1
10	141.20.1034.38793	J2
12	141.20.1034.41533	J4
14	141.20.1034.44773	J6
16	141.20.1034.47707	J8



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.

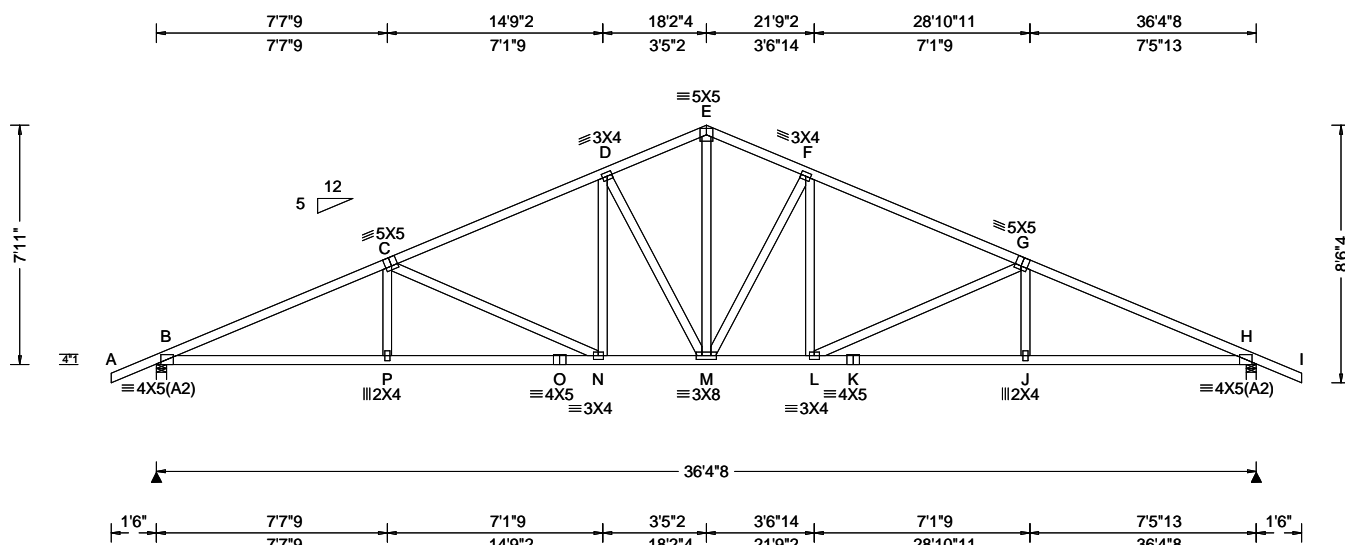
Refer to ASCE-7 for Wind and Seismic abbreviations.

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: 344963 FROM: CDM	COMM Ply: 1 Qty: 1	Job Number: 19-3822 Guadalupe Soto Truss Label: A01	Cust: R 215 JRef: 1WV12150006 T11 DrwNo: 141.20.1033.57610 / YK 05/20/2020
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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: 3.64 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): 0.201 L 999 240 VERT(CL): 0.404 L 999 180 HORZ(LL): 0.076 J - - HORZ(TL): 0.152 J - - Creep Factor: 2.0 Max TC CSI: 0.729 Max BC CSI: 0.869 Max Web CSI: 0.872 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL B 1581 -/- /- /922 /52 /213 H 1581 -/- /- /922 /52 -/ Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.9 H Brg Width = 4.0 Min Req = 1.9 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 671 -3093 E - F 551 -1938 C - D 582 -2362 F - G 582 -2362 D - E 551 -1938 G - H 671 -3093

Lumber

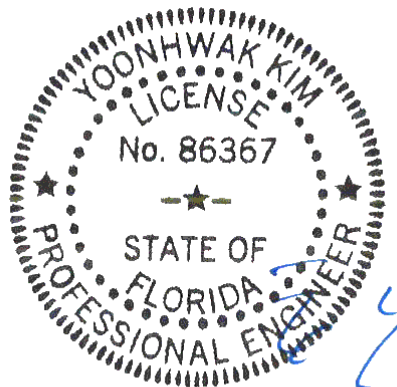
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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 7'-11-0.



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Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - P 2781 -514	M - L 2082 -355		
P - O 2777 -514	L - K 2777 -538		
O - N 2777 -514	K - J 2777 -538		
N - M 2082 -338	J - H 2781 -537		

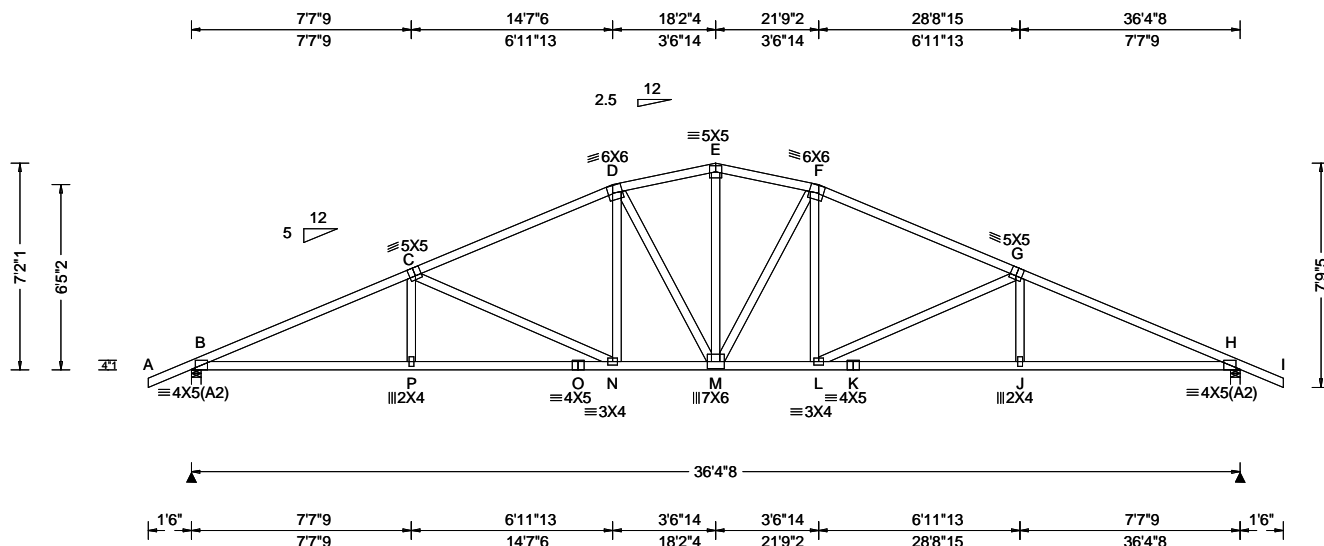
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - N 199 -750	M - F 224 -735		
N - D 476 -65	F - L 476 -65		
D - M 224 -735	L - G 199 -750		
E - M 1341 -359			

****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**
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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.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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SEQN: 307809 FROM: CDM	COMN Ply: 1 Qty: 2	Job Number: 19-3822 Guadalupe Soto Truss Label: A02	Cust: R 215 JRef: 1WV12150006 T5 DrwNo: 141.20.1033.59013 / YK 05/20/2020
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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: 3.64 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): 0.193 L 999 240 VERT(CL): 0.387 L 999 180 HORZ(LL): 0.076 J - - HORZ(TL): 0.152 J - - Creep Factor: 2.0 Max TC CSI: 0.734 Max BC CSI: 0.868 Max Web CSI: 0.875 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 1580 - / - / /916 /66 /181 H 1580 - / - / /916 /66 - / - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.9 H Brg Width = 4.0 Min Req = 1.9 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 826 -3090 E - F 677 -1985 C - D 721 -2356 F - G 721 -2356 D - E 677 -1985 G - H 825 -3090

Lumber

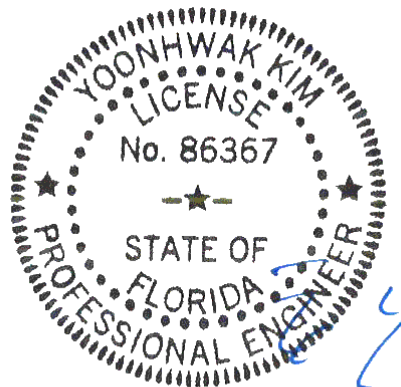
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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 7'-2-1.

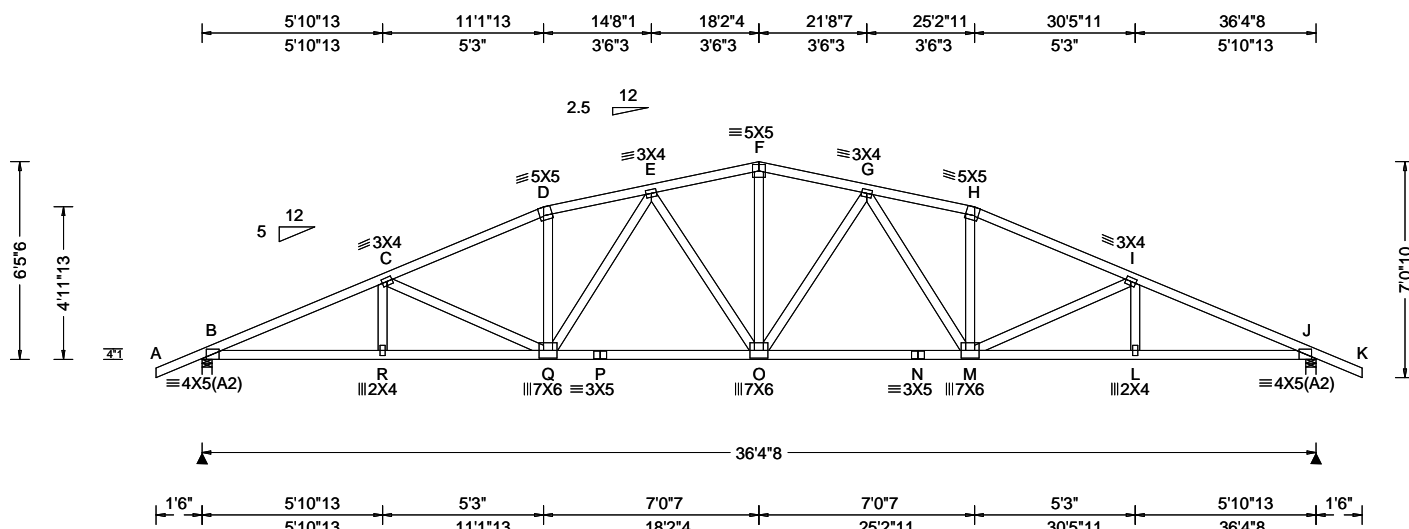


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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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SEQN: 307812 FROM: CDM	COMN Ply: 1 Qty: 2	Job Number: 19-3822 Guadalupe Soto Truss Label: A03	Cust: R 215 JRef: 1WV12150006 T4 DrwNo: 141.20.1034.00353 / YK 05/20/2020
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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: 3.64 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): 0.205 O 999 240 VERT(CL): 0.410 O 999 180 HORZ(LL): 0.077 L - - HORZ(TL): 0.154 L - - Creep Factor: 2.0 Max TC CSI: 0.391 Max BC CSI: 0.782 Max Web CSI: 0.332 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1576 - / - / - / 903 / 70 / 150 J 1576 - / - / - / 903 / 70 / - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.9 J Brg Width = 4.0 Min Req = 1.9 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 845 - 3143 F - G 707 - 2214 C - D 770 - 2654 G - H 779 - 2475 D - E 779 - 2475 H - I 769 - 2654 E - F 707 - 2214 I - J 844 - 3143

Lumber

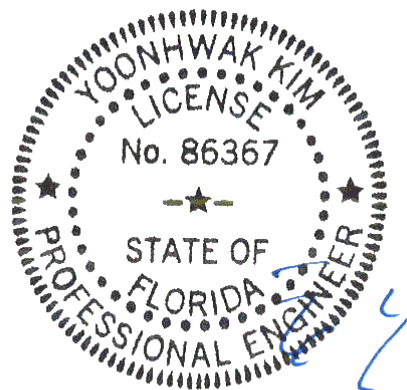
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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 6'-5.6."

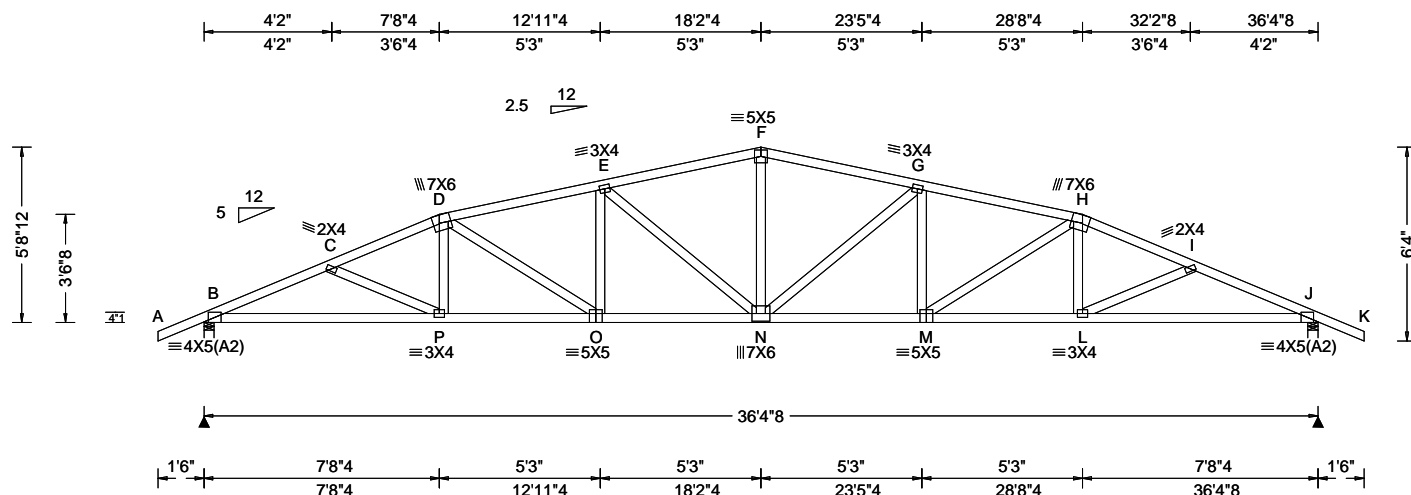


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SEQN: 307815 FROM: CDM	COMN Ply: 1 Qty: 2	Job Number: 19-3822 Guadalupe Soto Truss Label: A04	Cust: R 215 JRef: 1WV12150006 T3 DrwNo: 141.20.1034.01693 / YK 05/20/2020
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Loading Criteria (psf)	Wind 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: 3.64 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): 0.232 N 999 240 VERT(CL): 0.463 N 934 180 HORZ(LL): 0.081 L - - HORZ(TL): 0.162 L - - Creep Factor: 2.0 Max TC CSI: 0.429 Max BC CSI: 0.836 Max Web CSI: 0.405 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 1571 -/- /- /881 /295 /120 J 1571 -/- /- /881 /295 -/ Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.9 J Brg Width = 4.0 Min Req = 1.9 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 865 -3148 F - G 745 -2513 C - D 804 -2949 G - H 815 -2876 D - E 816 -2876 H - I 803 -2949 E - F 745 -2513 I - J 864 -3148

Lumber

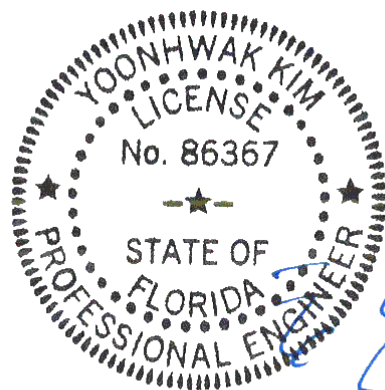
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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 5-8-12.



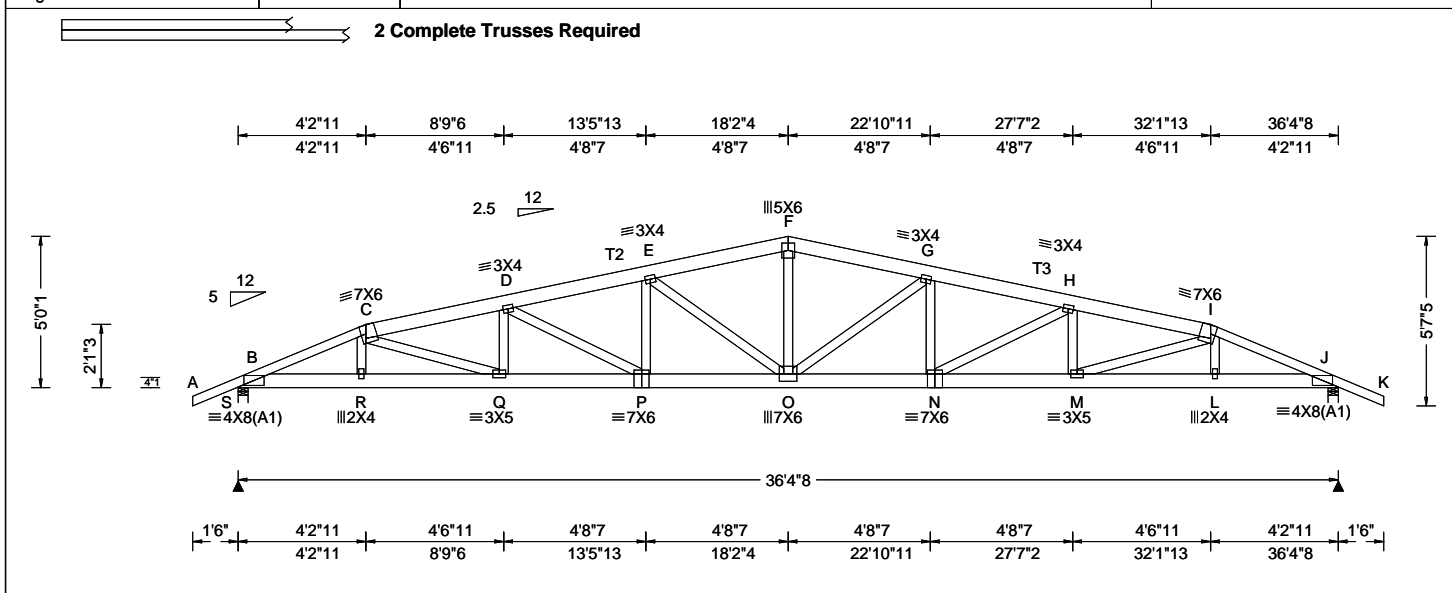
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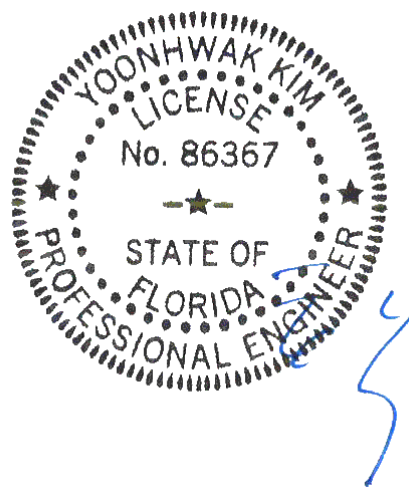
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCCL: 20.00 TCDL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II 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: 3.64 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): 0.251 O 999 240 VERT(CL): 0.500 O 865 180 HORZ(LL): 0.064 L - - HORZ(TL): 0.127 L - - Creep Factor: 2.0 Max TC CSI: 0.479 Max BC CSI: 0.378 Max Web CSI: 0.688 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL S 3863 -/- /- /- /796 -/- J 3863 -/- /- /- /796 -/- Non-Gravity Wind reactions based on MWFRS S Brg Width = 4.0 Min Req = 1.6 J Brg Width = 4.0 Min Req = 1.6 Bearings S & 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 914 -4551 F - G 1017 -4750 C - D 1129 -5396 G - H 1142 -5341 D - E 1142 -5341 H - I 1129 -5396 E - F 1017 -4750 I - J 914 -4551

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 @11.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Wind
Wind loads and reactions based on MWFRS.

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 5'-0-1.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/20/2020

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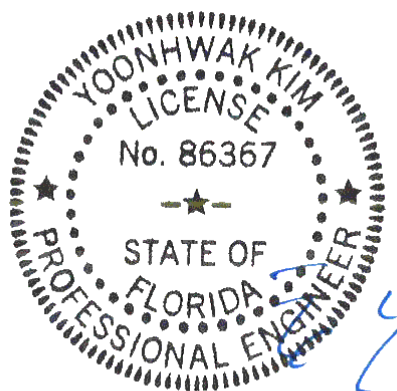
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SEQN: 307829	COMN	Ply: 2	Job Number: 19-3822	Cust: R 215 JRef: 1WV12150006 T1
FROM: CDM		Qty: 2	Guadalupe Soto	DrwNo: 141.20.1034.22943
Page 2 of 2			Truss Label: A05	/ YK 05/20/2020

Special Loads

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

TC: From 62 plf at -1.50 to 62 plf at 4.22
TC: From 30 plf at 4.22 to 30 plf at 32.15
TC: From 62 plf at 32.15 to 62 plf at 37.88
BC: From 4 plf at -1.50 to 4 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 4.22
BC: From 10 plf at 4.22 to 10 plf at 32.15
BC: From 20 plf at 32.15 to 20 plf at 36.38
BC: From 4 plf at 36.38 to 4 plf at 37.88
TC: 102 lb Conc. Load at 4.22,32.15
TC: 112 lb Conc. Load at 4.90,31.47
TC: 147 lb Conc. Load at 7.21,29.16
TC: 181 lb Conc. Load at 9.52,26.85
BC: 169 lb Conc. Load at 4.22,32.15
BC: 80 lb Conc. Load at 4.90,31.47
BC: 103 lb Conc. Load at 7.21,29.16
BC: 125 lb Conc. Load at 9.52,26.85
BC: 310 lb Conc. Load at 11.83,24.55
BC: 346 lb Conc. Load at 13.53,22.84
BC: 382 lb Conc. Load at 15.23,21.14
BC: 430 lb Conc. Load at 17.54,18.83
BC: 741 lb Conc. Load at 18.19



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05/20/2020

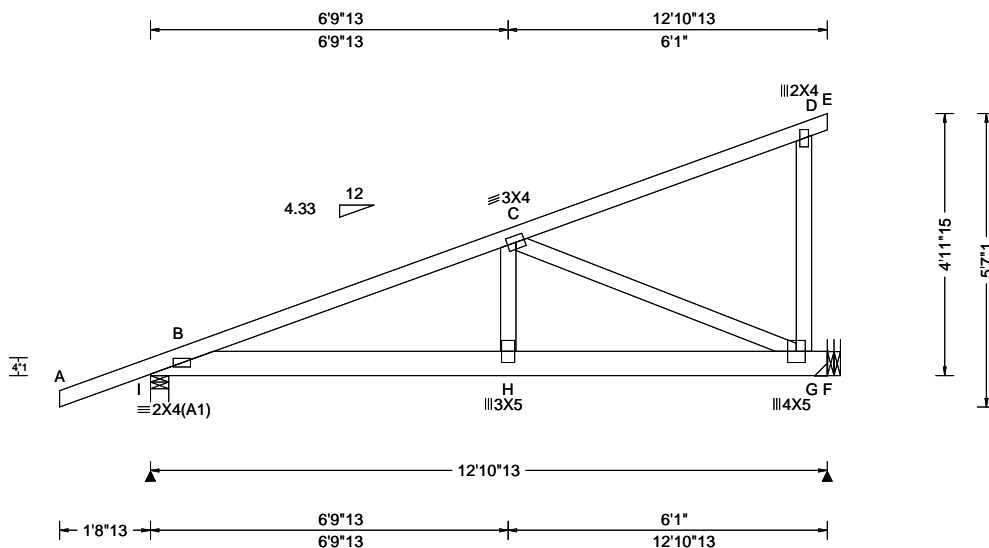
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.033 H 999 240 VERT(CL): 0.067 H 999 180 HORZ(LL): 0.005 G - - HORZ(TL): 0.011 G - - Creep Factor: 2.0 Max TC CSI: 0.473 Max BC CSI: 0.539 Max Web CSI: 0.870 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL I 520 -/- /- /124 -/ F 741 -/- /- /143 -/ Wind reactions based on MWFRS I Brg Width = 4.2 Min Req = 1.5 F Brg Width = - Min Req = - Bearing I is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 247 - 1243

Lumber

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

Special Loads

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

TC: From 0 plf at -1.73 to 61 plf at 0.00	TC: From 2 plf at 0.00 to 2 plf at 12.90
BC: From 0 plf at -1.73 to 4 plf at 0.00	BC: From 2 plf at 0.00 to 2 plf at 12.90
TC: 8 lb Conc. Load at 1.94	TC: 258 lb Conc. Load at 5.94
BC: 38 lb Conc. Load at 1.94	BC: 182 lb Conc. Load at 5.94
BC: 668 lb Conc. Load at 9.94	

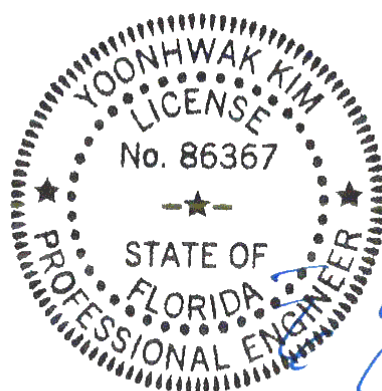
Wind

Wind loads and reactions based on MWFRS.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 4'11-15.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/20/2020

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SEQN: 307826 FROM: CDM Page 2 of 2	HIP_ Ply: 1 Qty: 2	Job Number: 19-3822 Guadalupe Soto Truss Label: B01	Cust: R 215 JRef: 1WV12150006 T2 DrwNo: 141.20.1034.30680 / YK 05/20/2020
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Hangers / Ties

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

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

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

Bearing at location x=12'7"13 uses the following support conditions: 12'7"13

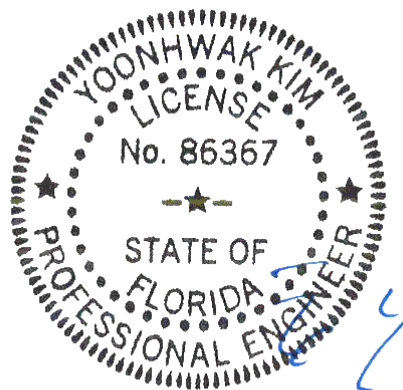
Bearing G (12'7"13, 9') HUS26

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

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

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

(J) Hanger Support Required, by others



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05/20/2020

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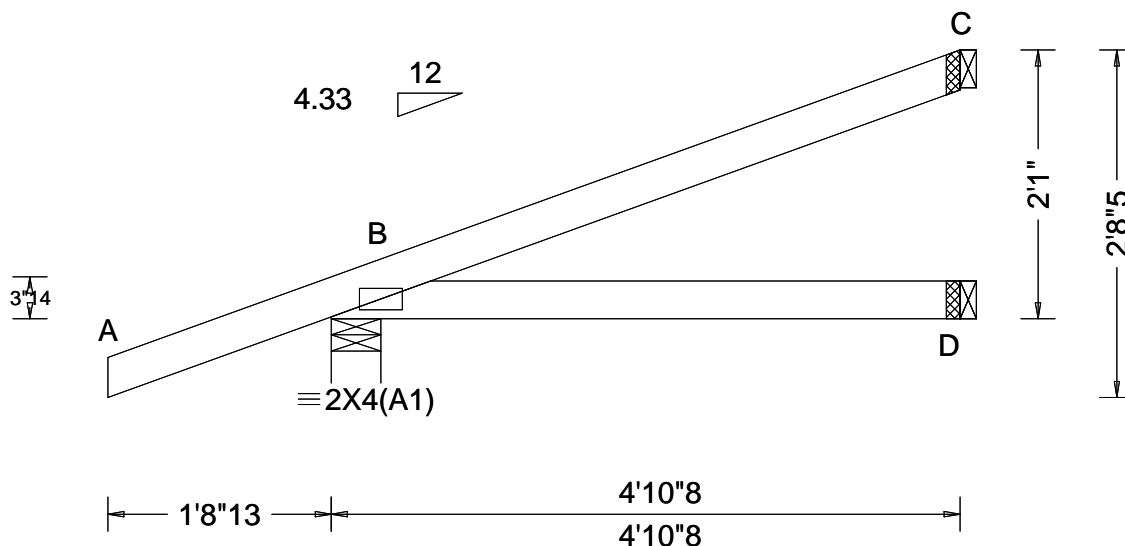
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SEQN: 307818 FROM: CDM	HIP_	Ply: 1 Qty: 6	Job Number: 19-3822 Guadalupe Soto Truss Label: HJ1	Cust: R 215 JRRef: 1WV12150006 T14 DrwNo: 141.20.1034.34597 / YK 05/20/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.002 D - - HORZ(TL): 0.007 D - - Creep Factor: 2.0 Max TC CSI: 0.152 Max BC CSI: 0.220 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 208 /- /- /- /45 /- D 84 /- /- /- /2 /- C 51 /- /- /2 /3 /- Wind reactions based on MWFRS B Brg Width = 4.6 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Special Loads

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

TC: From 0 plf at -1.73 to 61 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 4.88
BC: From 0 plf at -1.73 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 4.88
TC: 15 lb Conc. Load at 1.94
BC: 76 lb Conc. Load at 1.94

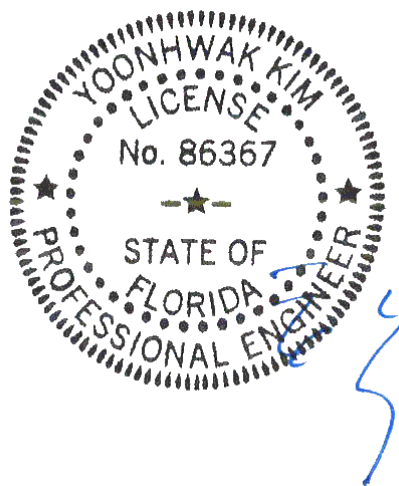
Wind

Wind loads and reactions based on MWFRS.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 2'-1-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/20/2020

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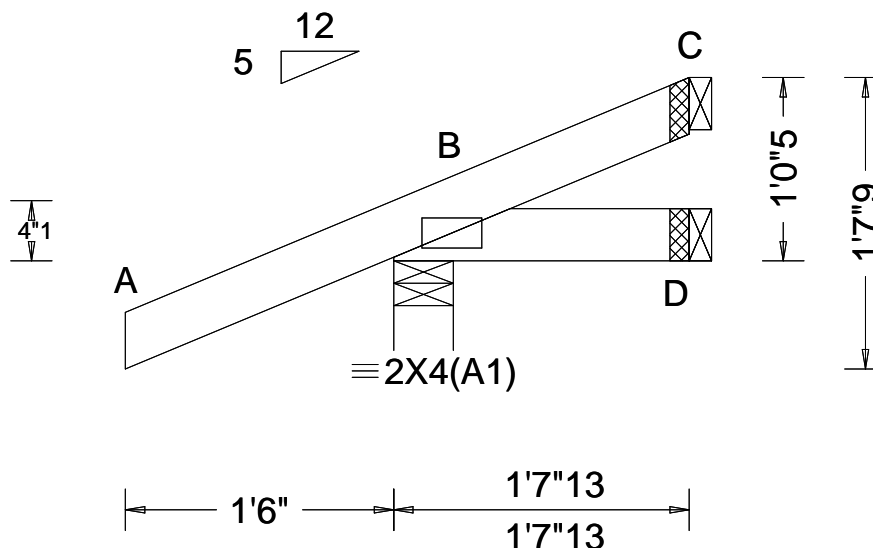
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SEQN: 307780 FROM: CDM	JACK Ply: 1 Qty: 12	Job Number: 19-3822 Guadalupe Soto Truss Label: J1	Cust: R 215 JRef: 1WV12150006 T15 DrwNo: 141.20.1034.35913 / YK 05/20/2020
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Loading Criteria (psf)	Wind 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/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 D - - HORZ(TL): 0.001 D - - Creep Factor: 2.0 Max TC CSI: 0.279 Max BC CSI: 0.053 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 232 /- /- /169 /59 /37 D 19 /-2 /- /24 /10 /- C 4 /- /- /18 /14 /- 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;

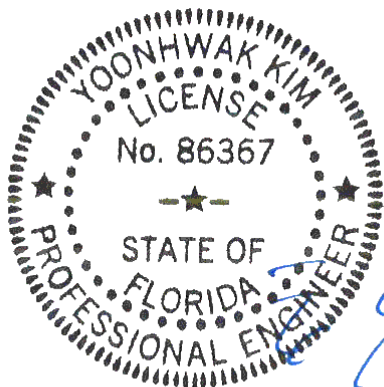
Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 1'-0-5.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/20/2020

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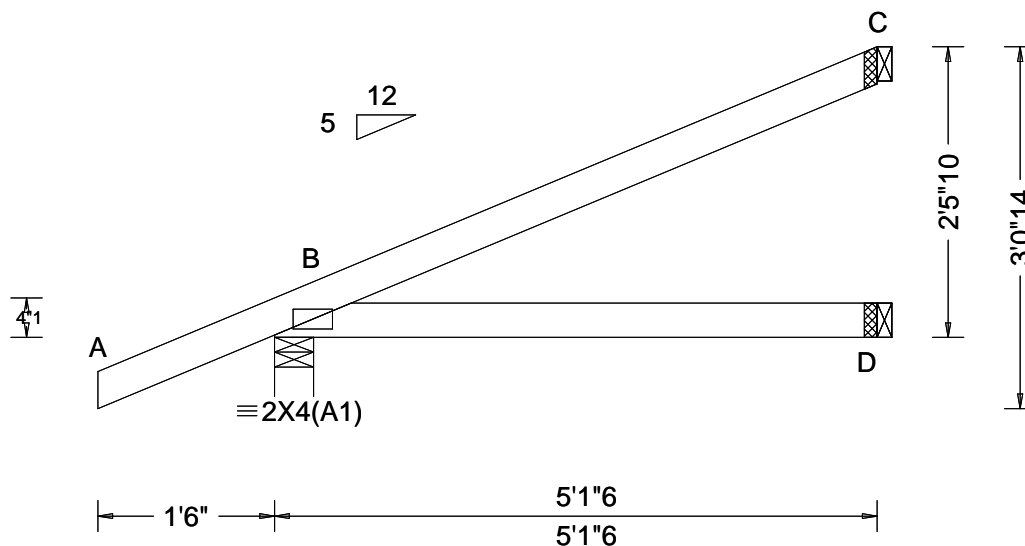
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SEQN: 307783 FROM: CDM	JACK Ply: 1 Qty: 4	Job Number: 19-3822 Guadalupe Soto Truss Label: J10	Cust: R 215 JRef: 1WV12150006 T16 DrwNo: 141.20.1034.37297 / YK 05/20/2020
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Loading Criteria (psf)	Wind 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): 0.005 D - - HORZ(TL): 0.009 D - - Creep Factor: 2.0 Max TC CSI: 0.320 Max BC CSI: 0.255 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 332 /- /- /224 /55 /79 D 91 /- /- /63 /- /- C 129 /- /- /56 /45 /- 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;

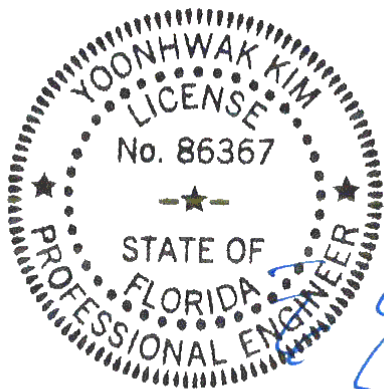
Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 2'-5"-10".



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/20/2020

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

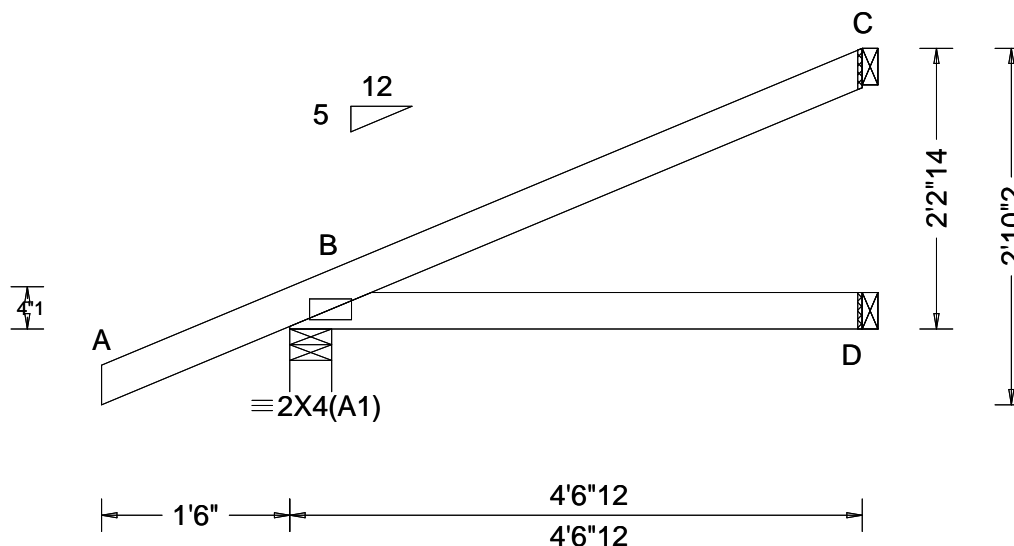
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 307785 FROM: CDM	JACK Ply: 1 Qty: 4	Job Number: 19-3822 Guadalupe Soto Truss Label: J2	Cust: R 215 JRef: 1WV12150006 T20 DrwNo: 141.20.1034.38793 / YK 05/20/2020
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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): 0.003 D - - HORZ(TL): 0.006 D - - Creep Factor: 2.0 Max TC CSI: 0.237 Max BC CSI: 0.198 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 312 /- /- /212 /53 /72 D 80 /- /- /56 /- /- C 112 /- /- /48 /40 /- 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;

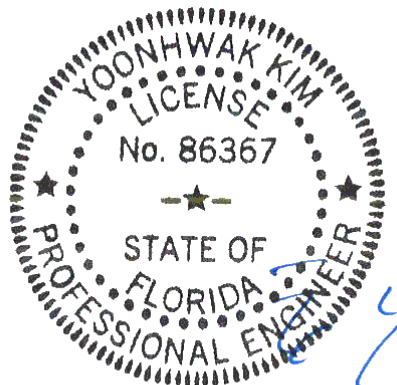
Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 2'-2-14."



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/20/2020

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

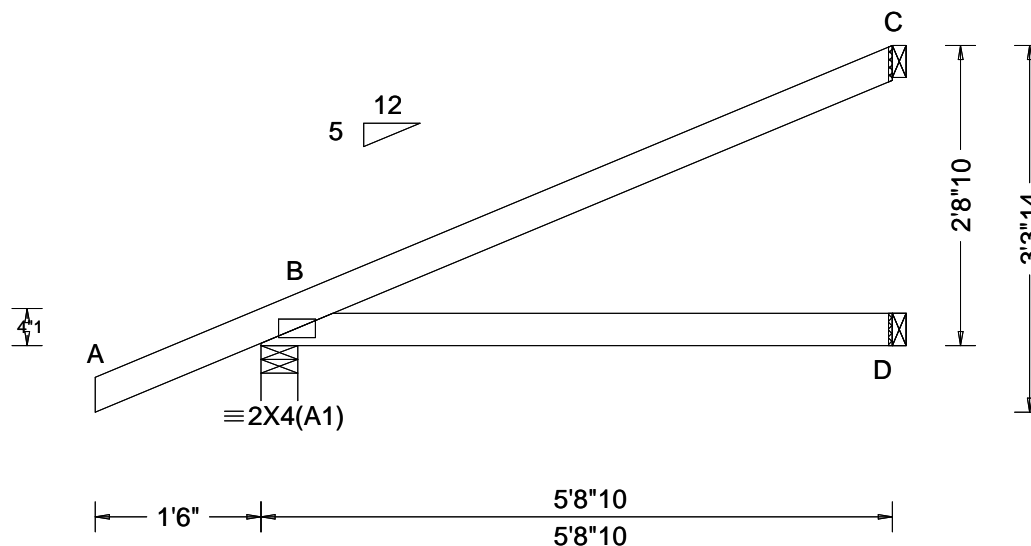
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 307789 FROM: CDM	JACK Ply: 1 Qty: 4	Job Number: 19-3822 Guadalupe Soto Truss Label: J3	Cust: R 215 JRef: 1WV12150006 T21 DrwNo: 141.20.1034.40227 / YK 05/20/2020
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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): NA VERT(CL): NA HORZ(LL): 0.007 D - - HORZ(TL): 0.014 D - - Creep Factor: 2.0 Max TC CSI: 0.424 Max BC CSI: 0.326 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 354 /- /- /238 /57 /86 D 103 /- /- /70 /- /- C 147 /- /- /64 /52 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

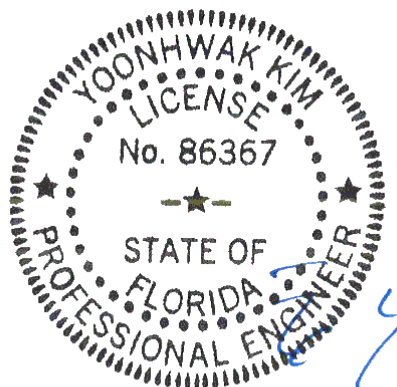
Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 2-8-10.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/20/2020

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

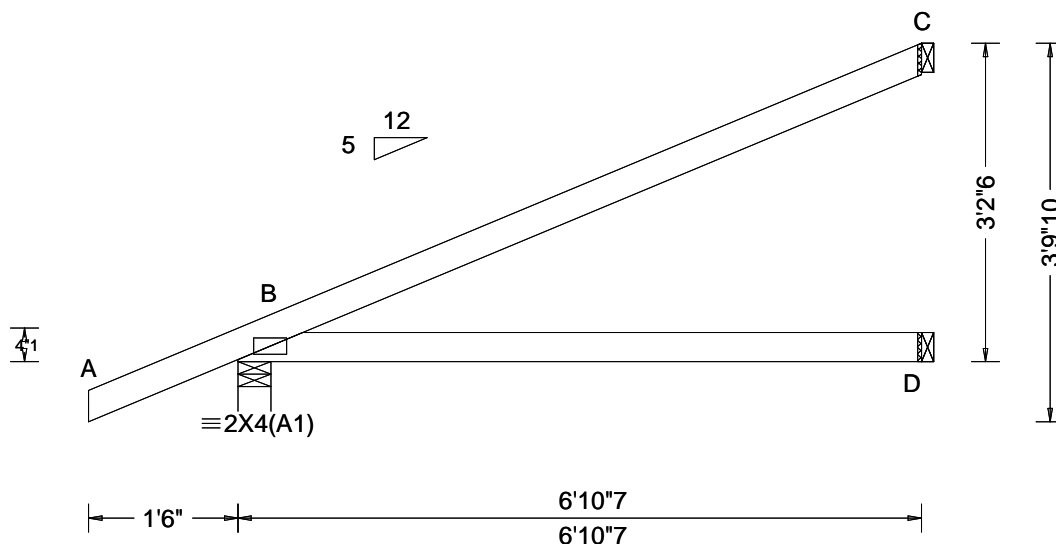
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 307787 FROM: CDM	JACK Ply: 1 Qty: 4	Job Number: 19-3822 Guadalupe Soto Truss Label: J4	Cust: R 215 JRef: 1WV12150006 T22 DrwNo: 141.20.1034.41533 / YK 05/20/2020
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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): NA VERT(CL): NA HORZ(LL): 0.014 D - - HORZ(TL): 0.027 D - - Creep Factor: 2.0 Max TC CSI: 0.666 Max BC CSI: 0.484 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 399 /- /- /265 /62 /99 D 125 /- /- /85 /- /- C 181 /- /- /80 /63 /- 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;

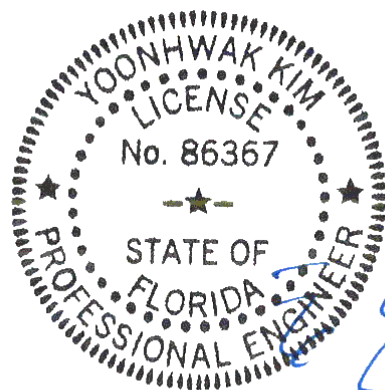
Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 3-2-6.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/20/2020

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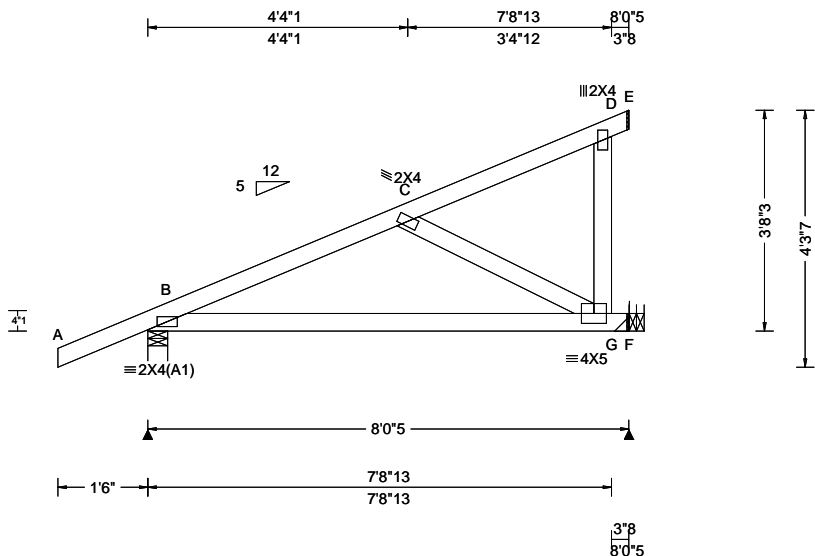
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 307798 FROM: CDM	JACK Ply: 1 Qty: 4	Job Number: 19-3822 Guadalupe Soto Truss Label: J5	Cust: R 215 JRef: 1WV12150006 T23 DrwNo: 141.20.1034.43170 / YK 05/20/2020
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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): 0.014 D 999 240 VERT(CL): 0.038 E 999 180 HORZ(LL): 0.005 E - - HORZ(TL): 0.018 E - - Creep Factor: 2.0 Max TC CSI: 0.281 Max BC CSI: 0.547 Max Web CSI: 0.216 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 444 - / - /293 /67 /113 F 310 - / - /197 /74 - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 F Brg Width = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

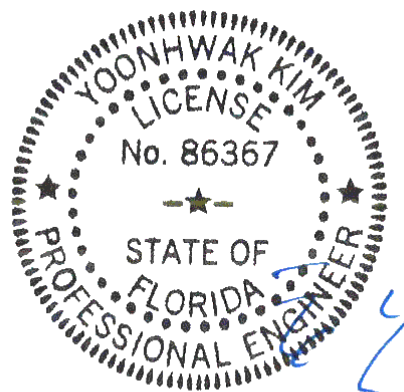
Wind

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 3-8-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/20/2020

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

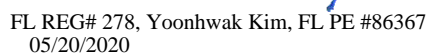
Lumber	Maximum Bot Chord Forces Per Ply (lbs)			
Top chord: 2x4 SP #2;	Chords	Tens.Comp.	Chords	Tens. Comp.
Bot chord: 2x4 SP #2;				
Webs: 2x4 SP #3;	B - H	430 - 165	H - G	425 - 165

(J) Hanger Support Required, by others	Maximum Web Forces Per Ply (lbs)	
	Webs	Tens.Comp.
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Wind loads based on MWFRS with additional C&C member design.

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 4-0-7.




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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.

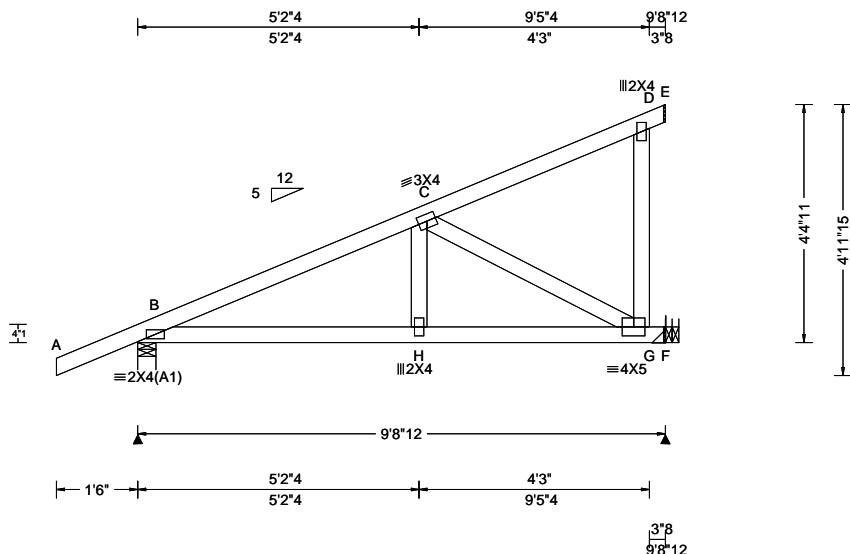
Alpine, a division of ITW Building Components Group Inc, shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. **A seal on this drawing or cover page listing this drawing,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

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



6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 307797 FROM: CDM	JACK Ply: 1 Qty: 4	Job Number: 19-3822 Guadalupe Soto Truss Label: J7	Cust: R 215 JRef: 1WV12150006 T19 DrwNo: 141.20.1034.46280 / YK 05/20/2020
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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): 0.013 H 999 240 VERT(CL): 0.026 H 999 180 HORZ(LL): 0.003 G - - HORZ(TL): 0.007 G - - Creep Factor: 2.0 Max TC CSI: 0.236 Max BC CSI: 0.343 Max Web CSI: 0.227 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL B 512 -/- /- /335 /75 /134 F 382 -/- /- /243 /92 -/ Non-Gravity Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 F Brg Width = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 68 -576

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

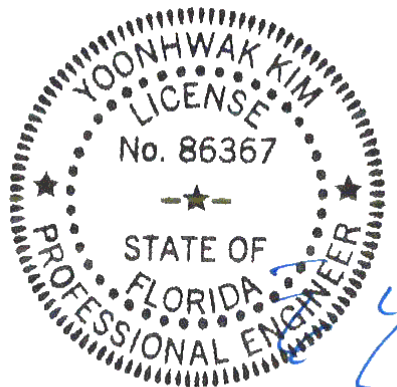
Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 4'-4-11.

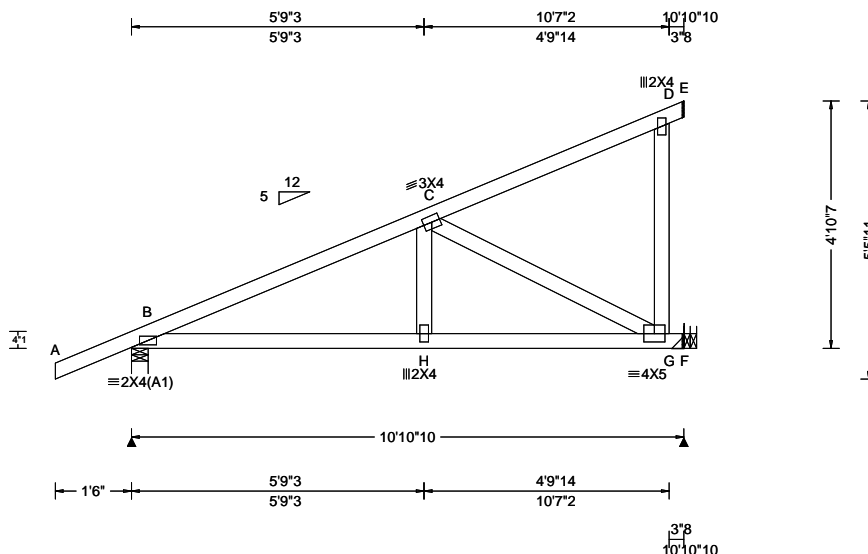


FL REG# 278, Yoonhwak Kim, FL PE #86367
05/20/2020

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

SEQN: 307784 FROM: CDM	JACK Ply: 1 Qty: 4	Job Number: 19-3822 Guadalupe Soto Truss Label: J8	Cust: R 215 JRef: 1WV12150006 T18 DrwNo: 141.20.1034.47707 / YK 05/20/2020
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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): 0.017 H 999 240 VERT(CL): 0.034 H 999 180 HORZ(LL): 0.004 G - - HORZ(TL): 0.009 G - - Creep Factor: 2.0 Max TC CSI: 0.316 Max BC CSI: 0.435 Max Web CSI: 0.335 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 558 - / - /364 /80 /147 F 430 - / - /274 /103 - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 F Brg Width = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 75 -664

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

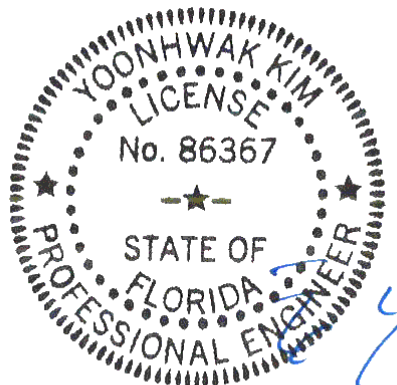
Wind

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

Additional Notes

Refer to General Notes for additional information

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/20/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - H	561 -189	H - G	555 -189

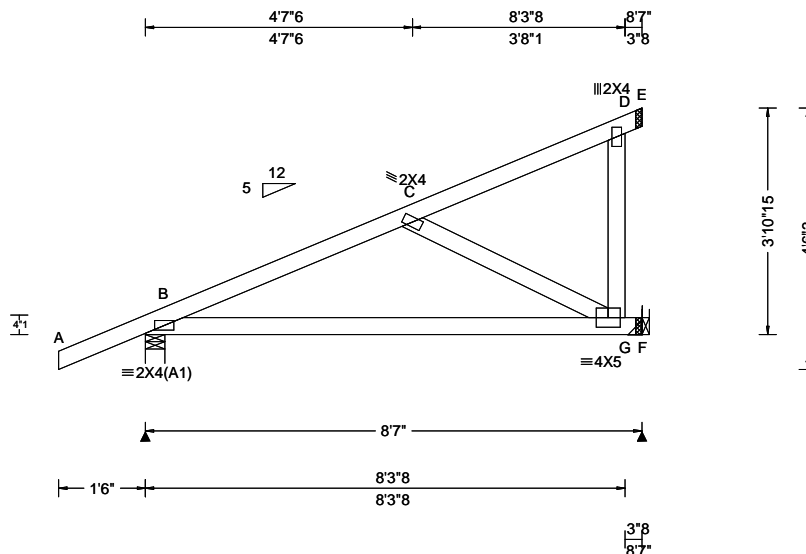
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.
C - G	213 -626

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SEQN: 307786 FROM: CDM	JACK Ply: 1 Qty: 4	Job Number: 19-3822 Guadalupe Soto Truss Label: J9	Cust: R 215 JRef: 1WV12150006 T17 DrwNo: 141.20.1034.50653 / YK 05/20/2020
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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): 0.016 D 999 240 VERT(CL): 0.045 E 999 180 HORZ(LL): 0.007 E - - HORZ(TL): 0.022 E - - Creep Factor: 2.0 Max TC CSI: 0.328 Max BC CSI: 0.620 Max Web CSI: 0.262 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 466 /- /- /307 /70 /120 F 334 /- /- /212 /80 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 F Brg Width = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 65 -406

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

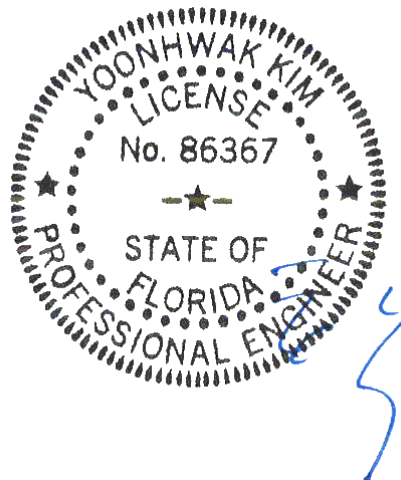
Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 3-10-15.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/20/2020

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