

#43364



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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: 21-5954
Job Description: Arata	
Address: FL	

Job Engineering Criteria:
Design Code: FBC 7th Ed. 2020 Res.
IntelliVIEW Version: 21.01.01A
JRef #: 1X9O2150001
Wind Standard: ASCE 7-16 Wind Speed (mph): 130
Design Loading (psf): 40.00
Building Type: Closed

This package contains general notes pages, 42 truss drawing(s) and 5 detail(s).

Item	Drawing Number	Truss
1	288.21.0914.39627	A01
3	288.21.0914.30910	A03
5	288.21.0914.26480	A05
7	288.21.0914.21757	A07
9	288.21.0838.05118	A09
11	288.21.0838.05494	A10
13	288.21.0838.05588	A12
15	288.21.0914.18757	A14
17	288.21.0838.05555	A16
19	288.21.0838.04666	A18
21	288.21.0838.05259	A20
23	288.21.0914.16130	B01
25	288.21.0914.09207	B03
27	288.21.0838.05495	C01
29	288.21.0838.04806	C03
31	288.21.0838.05306	HJ02
33	288.21.0838.05009	J02
35	288.21.0838.05463	J04
37	288.21.0838.05120	J06
39	288.21.0838.05415	J08
41	288.21.0838.04634	PB02
43	A14015ENC160118	
45	BRCLBSUB0119	
47	PB160160118	

Item	Drawing Number	Truss
2	288.21.0914.33980	A02
4	288.21.0914.28533	A04
6	288.21.0914.23970	A06
8	288.21.0838.05119	A08
10	288.21.0838.05524	A09
12	288.21.0838.05291	A11
14	288.21.0838.05447	A13
16	288.21.0838.05244	A15
18	288.21.0838.04805	A17
20	288.21.0838.04650	A19
22	288.21.0838.05339	A21
24	288.21.0914.13257	B02
26	288.21.0914.11353	B03
28	288.21.0838.05338	C02
30	288.21.0838.05509	HJ01
32	288.21.0838.05337	J01
34	288.21.0838.05025	J03
36	288.21.0838.04978	J05
38	288.21.0838.04994	J07
40	288.21.0838.04681	PB01
42	288.21.0838.04807	PB03
44	A14030ENC160118	
46	GBLLETIN0118	

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.

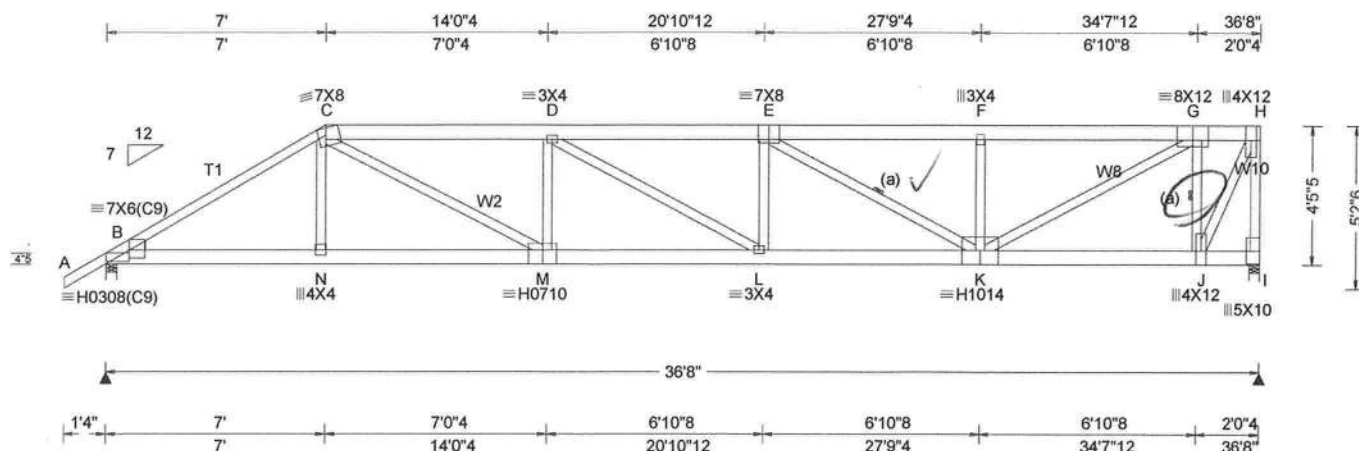
Refer to ASCE-7 for Wind and Seismic abbreviations.

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.: 514 Earth City Expressway, Suite 242, Earth City, MO 63045; 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: 636334 FROM: CDM	HIPM Qty: 1	Ply: 1 Qty: 1	Job Number: 21-5954 Arata Truss Label: A01	Cust: R 215 JRef: 1X902150001 T48 DrwNo: 288.21.0914.39627 / YK 10/15/2021
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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 7-16 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: 3.67 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): HS, WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.348 L 999 240 VERT(CL): 0.700 L 626 180 HORZ(LL): 0.079 C - - HORZ(TL): 0.160 C - - Creep Factor: 2.0 Max TC CSI: 0.588 Max BC CSI: 0.567 Max Web CSI: 0.950 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 3724 -/- /- /858 -/ I 3692 -/- /- /912 -/ Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 3.1 I Brg Width = 4.0 Min Req = 3.1 Bearings B & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 1569 -6762 E - F 1629 -6616 C - D 2059 -8534 F - G 1629 -6616 D - E 2134 -8760 G - H 431 -1773

Lumber

Top chord: 2x6 SP 2400f-2.0E; T1 2x4 SP M-31;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W2,W10 2x4 SP #2;
W8 2x4 SP M-31;
Lt Wedge: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at -1.33 to 63 plf at 7.00
TC: From 32 plf at 7.00 to 32 plf at 36.67
BC: From 5 plf at -1.33 to 5 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 36.67
TC: 441 lb Conc. Load at 7.03
TC: 193 lb Conc. Load at 9.06,11.06,13.06,15.06
17.06,19.06,21.06,23.06,25.06,27.06,29.06,31.06
33.06,35.06
BC: 526 lb Conc. Load at 7.03
BC: 131 lb Conc. Load at 9.06,11.06,13.06,15.06
17.06,19.06,21.06,23.06,25.06,27.06,29.06,31.06
33.06,35.06

Wind

Wind loads and reactions based on MWFRS.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes

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



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Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - N	5770 -1328	L - K	8730 -2143
N - M	5742 -1331	K - J	2021 -504
M - L	8611 -2095		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
N - C	767 0	F - K	450 -906
C - M	3230 -842	K - G	5340 -1306
M - D	513 -1075	G - J	1005 -3387
L - E	412 0	J - H	4149 -1008
E - K	597 -2457	H - I	884 -3720

****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. Refer to job's General Notes page for additional information.

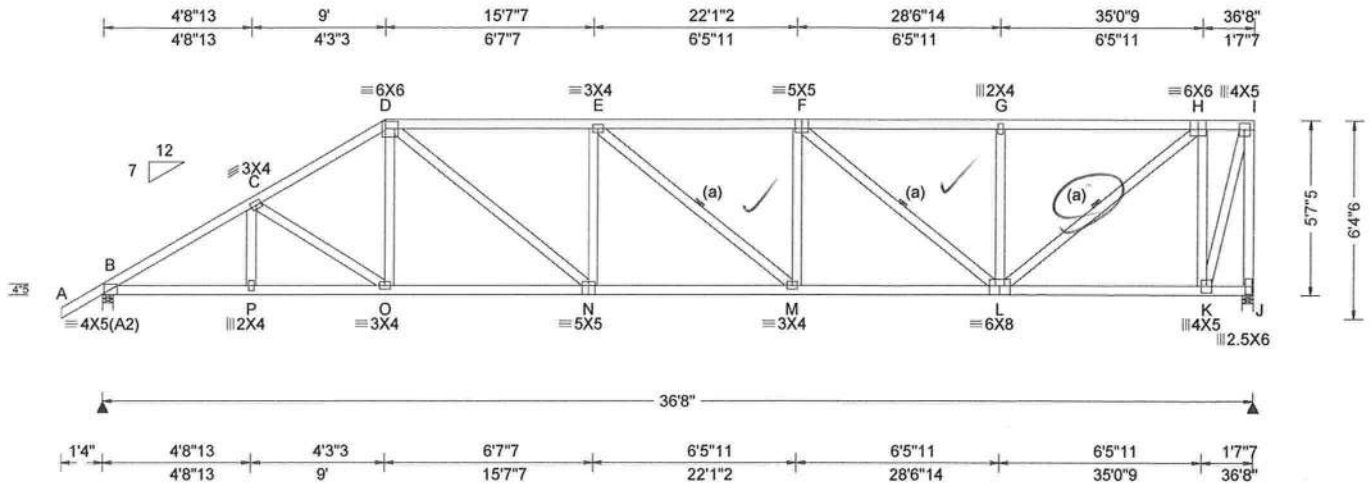
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing,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

For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCE: sbcecomponents.com; ICC: iccsafe.org; AWC: awc.org



6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 636337 FROM: CDM	HIPM Qty: 1	Ply: 1 Job Number: 21-5954 Arata Truss Label: A02	Cust: R 215 JRef: 1X9O2150001 T18 DrwNo: 288.21.0914.33980 / YK 10/15/2021
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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 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-16 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: 3.67 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 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): 0.164 E 999 240 VERT(CL): 0.338 E 999 180 HORZ(LL): 0.054 K - - HORZ(TL): 0.112 K - - Creep Factor: 2.0 Max TC CSI: 0.536 Max BC CSI: 0.725 Max Web CSI: 0.853 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1623 - / - / - / 957 / 279 / 207 J 1516 - / - / - / 770 / 292 / - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.9 J Brg Width = 4.0 Min Req = 1.8 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 934 -2571 F - G 882 -1851 C - D 965 -2313 G - H 882 -1851 D - E 1201 -2578 H - I 203 -430 E - F 1195 -2540

Lumber

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

Bracing

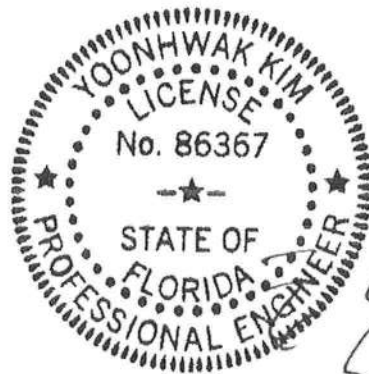
(a) Continuous lateral restraint equally spaced on member.

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes

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



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Maximum Bot Chord Forces Per Ply (lbs)	Maximum Web Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.	Webs Tens.Comp. Webs Tens. Comp.
B - P 2147 -927 N - M 2599 -1219 P - O 2146 -929 M - L 2531 -1197 O - N 1951 -884 L - K 509 -246	D - N 810 -444 L - H 1753 -830 N - E 350 -385 H - K 797 -1450 F - L 415 -887 K - I 1608 -758 G - L 336 -418 I - J 710 -1528

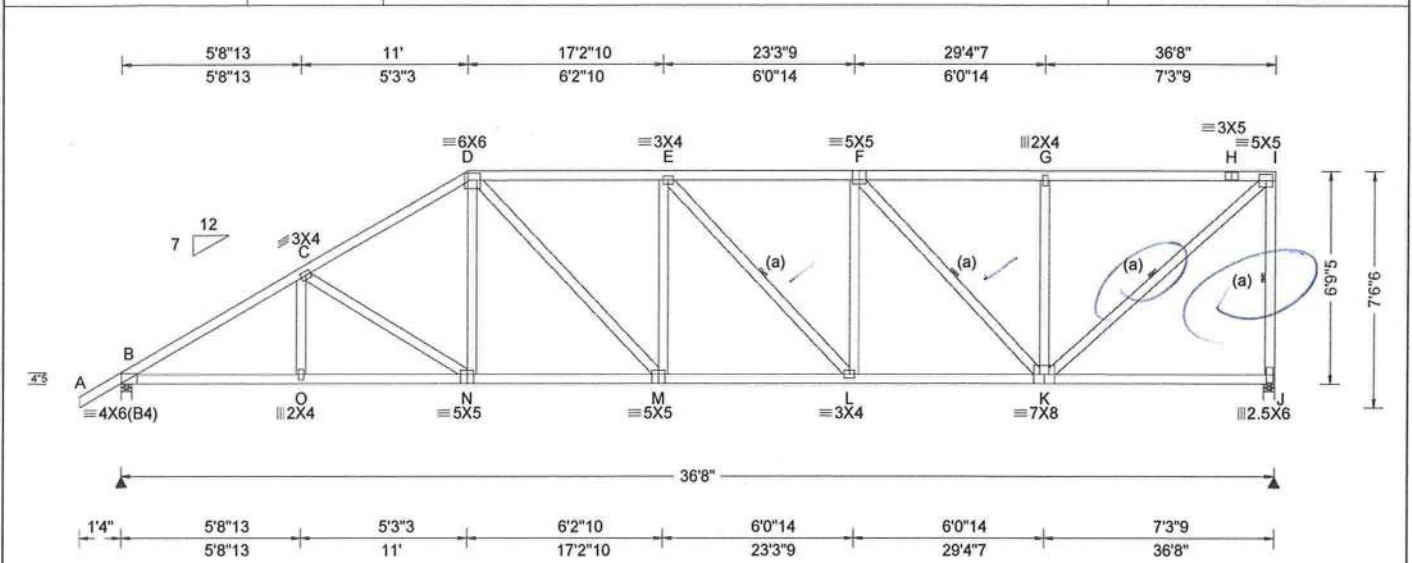
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 636340 FROM: CDM	HIPM Qty: 1	Ply: 1 Qty: 1	Job Number: 21-5954 Arata Truss Label: A03	Cust: R 215 JRef: 1X902150001 T45 DrwNo: 288.21.0914.30910 / YK 10/15/2021
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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 7-16 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: 3.67 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 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): 0.164 E 999 240 VERT(CL): 0.303 E 999 180 HORZ(LL): 0.059 K - - HORZ(TL): 0.110 K - - Creep Factor: 2.0 Max TC CSI: 0.987 Max BC CSI: 0.773 Max Web CSI: 0.824 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1766 - / - / - / 978 / 270 / 248 J 1762 - / - / - / 782 / 298 / - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.8 J Brg Width = 4.0 Min Req = 2.1 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 860 -2830 F - G 672 -1617 C - D 875 -2465 G - H 672 -1617 D - E 988 -2470 H - I 672 -1617 E - F 932 -2306

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

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

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 6-9-5.



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10/15/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - O	2363 -897	M - L	2479 -1000
O - N	2362 -898	L - K	2289 -931
N - M	2060 -802		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
D - N	400 -21	G - K	396 -490
D - M	598 -308	K - I	2163 -900
L - F	398 -19	I - J	749 -1624
F - K	387 -995		

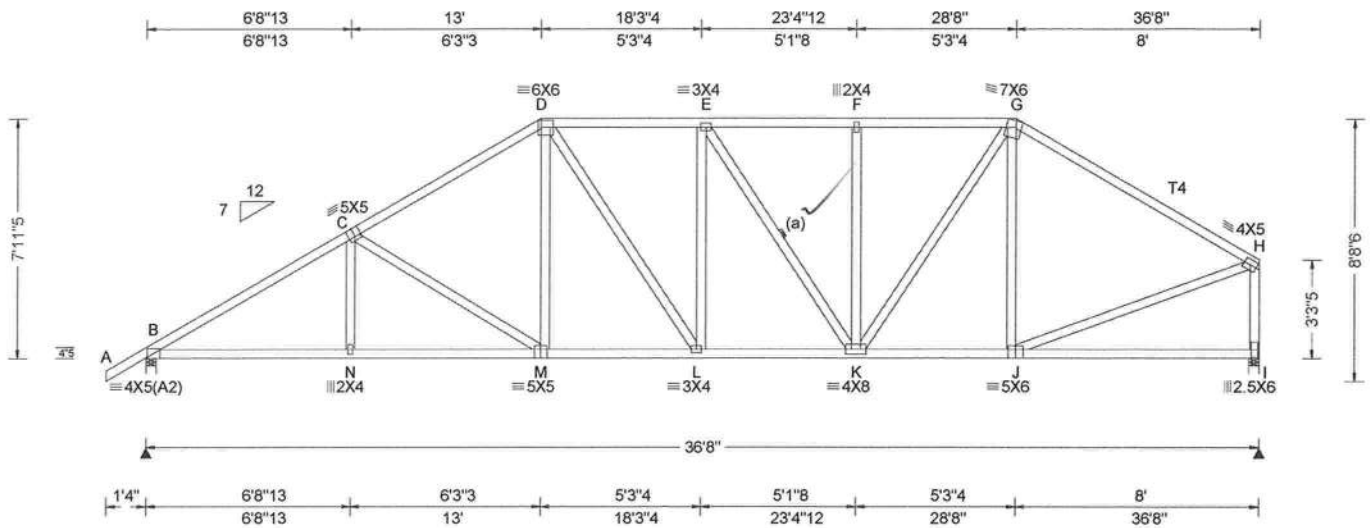
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 636342 FROM: CDM	HIPS Qty: 1	Ply: 1 Job Number: 21-5954 Arata Truss Label: A04	Cust: R 215 JRef: 1X902150001 T26 DrwNo: 288.21.0914.28533 / YK 10/15/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.123 E 999 240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.234 E 999 180	B	1749	/-	/-	/980	/282	/214
	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.050 I - -	I	1674	/-	/-	/823	/268	/-
	EXP: C Kzt: NA		HORZ(TL): 0.095 I - -	Wind reactions based on MWFRS						
	Mean Height: 15.00 ft		Creep Factor: 2.0	B	Brg Width = 4.0			Min Req = 2.1		
	TCDL: 5.0 psf		Max TC CSI: 0.591	I	Brg Width = 4.0			Min Req = 2.0		
	BCDL: 5.0 psf		Max BC CSI: 0.648	Bearings B & I are a rigid surface.						
	MWFRS Parallel Dist: h/2 to h		Max Web CSI: 0.628	Members not listed have forces less than 375#						
C&C Dist a: 3.67 ft	Building Code:		Maximum Top Chord Forces Per Ply (lbs)							
Loc. from endwall: not in 9.00 ft	FBC 7th Ed. 2020 Res.		Chords	Tens.Comp.		Chords	Tens. Comp.			
GCpi: 0.18	TPI Std: 2014		B - C	794	-2779	E - F	786	-1920		
Wind Duration: 1.60	Rep Fac: Yes		C - D	791	-2295	F - G	786	-1920		
	FT/RT:20(0)/10(0)		D - E	827	-2083	G - H	614	-1804		
	Plate Type(s):									
	WAVE		VIEW Ver: 21.01.01A.0521.20							
Lumber										

Lumber

Top chord: 2x4 SP #2; T4 2x4 SP M-31;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

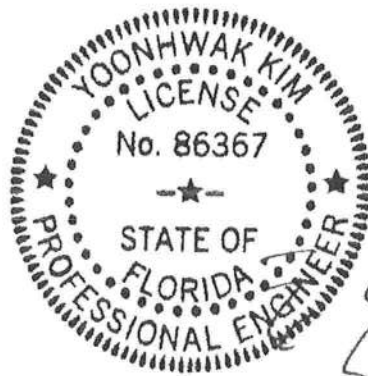
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 7-11-5.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/15/2021

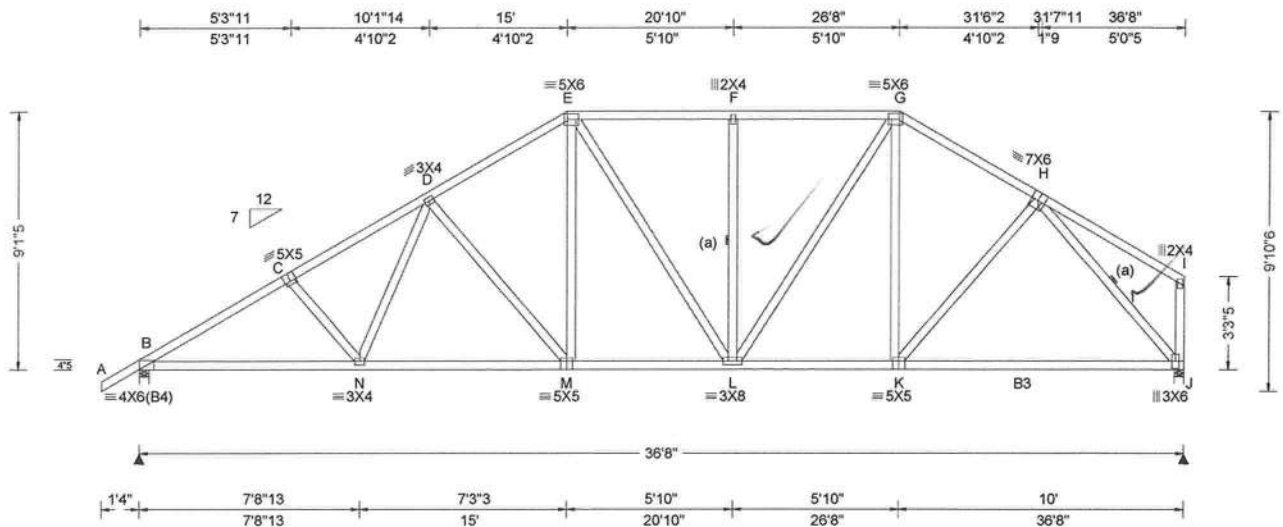
Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - N	2311 -702	L - K	2086 -665
N - M	2309 -703	K - J	1459 -434
M - L	1893 -562		

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
C - M	173 -496	J - H	1521 -452
D - M	456 -38	H - I	539 -1606
K - G	811 -338		

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 636344 FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 21-5954 Arata Truss Label: A05	Cust: R 215 JRef: 1X9O2150001 T47 DrwNo: 288.21.0914.26480 / YK 10/15/2021
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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 7-16 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: 3.67 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 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): 0.131 M 999 240 VERT(CL): 0.238 M 999 180 HORZ(LL): 0.057 J - - HORZ(TL): 0.104 J - - Creep Factor: 2.0 Max TC CSI: 0.467 Max BC CSI: 0.938 Max Web CSI: 0.655 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1815 -/- /- /989 /88 /245 J 1794 -/- /- /834 /35 -/- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.8 J Brg Width = 4.0 Min Req = 1.5 Bearings B & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 731 -2939 E - F 703 -1853 C - D 737 -2750 F - G 703 -1853 D - E 708 -2192 G - H 611 -1869

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

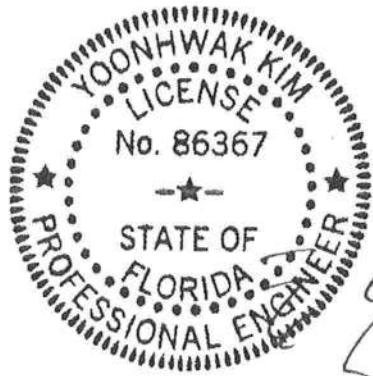
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 9'-1.5.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/15/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - N	2460 -663	L - K	1543 -357
N - M	2166 -558	K - J	1304 -352
M - L	1824 -441		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
N - D	401 -34	F - L	322 -384
D - M	183 -535	L - G	561 -254
E - M	694 -76	H - J	547 -1968

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

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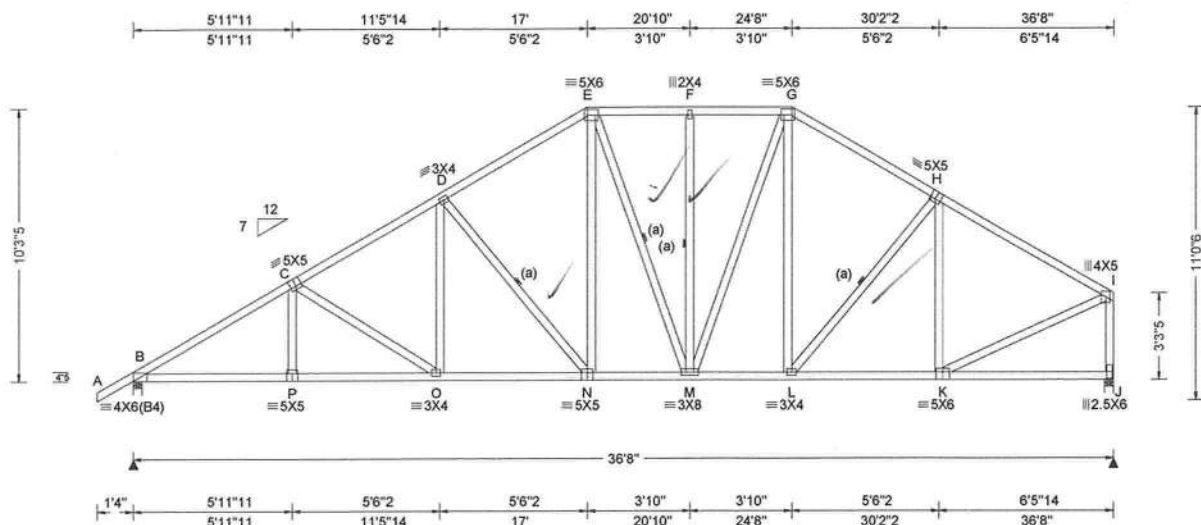
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 636346 FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 21-5954 Arata Truss Label: A06	Cust: R215 JRef: 1X902150001 T41 DrwNo: 288.21.0914.23970 / YK 10/15/2021
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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 7-16 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: 3.67 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 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): 0.125 O 999 240 VERT(CL): 0.234 O 999 180 HORZ(LL): 0.051 J - - HORZ(TL): 0.094 J - - Creep Factor: 2.0 Max TC CSI: 0.657 Max BC CSI: 0.751 Max Web CSI: 0.589 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ /R- /Rh /Rw /U /RL B 1772 /- /- /993 /71 /277 J 1712 /- /- /840 /28 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.8 J Brg Width = 4.0 Min Req = 2.0 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.

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

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

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes

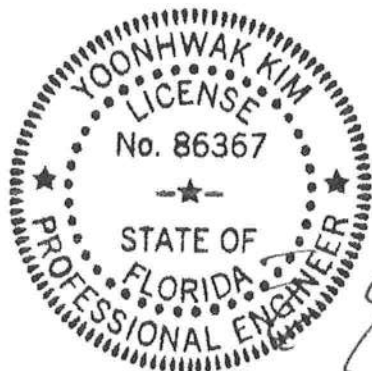
The overall height of this truss excluding overhang is 10-3-5.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - P	2368 - 570	N - M	1610 - 320
P - O	2366 - 571	M - L	1437 - 278
O - N	2033 - 450	L - K	1436 - 309

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - O	144 - 386	M - G	415 - 158
O - D	414 - 25	H - K	208 - 451
D - N	209 - 676	K - I	1546 - 326
E - N	705 - 114	I - J	416 - 1661



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/15/2021

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

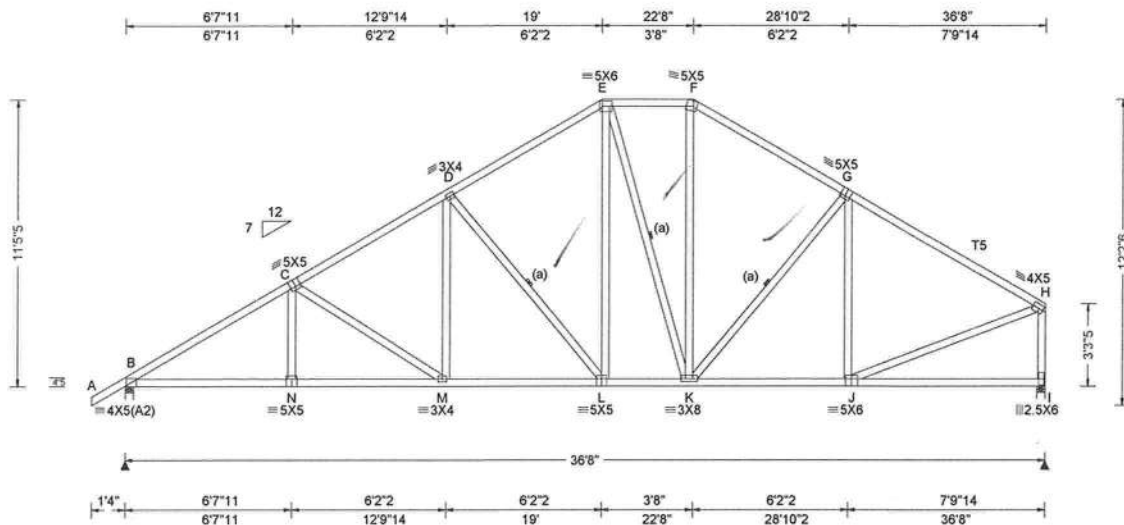
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 636348 FROM: CDM	HIPS Qty: 1	Ply: 1	Job Number: 21-5954 Arata Truss Label: A07	Cust: R 215 JRef: 1X902150001 T22 DrwNo: 288.21.0914.21757 / YK 10/15/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCCL: 20.00 TCDL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-16 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: 3.67 ft Loc. from endwall: not in 9.00 ft GCPI: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 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): 0.120 M 999 240 VERT(CL): 0.231 M 999 180 HORZ(LL): 0.046 I - - HORZ(TL): 0.088 I - - Creep Factor: 2.0 Max TC CSI: 0.657 Max BC CSI: 0.707 Max Web CSI: 0.570 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1724 /- /- /994 /47 /308 I 1646 /- /- /842 /24 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 2.0 I Brg Width = 4.0 Min Req = 1.9 Bearings B & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

Top chord: 2x4 SP #2; T5 2x4 SP M-31;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

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

Wind

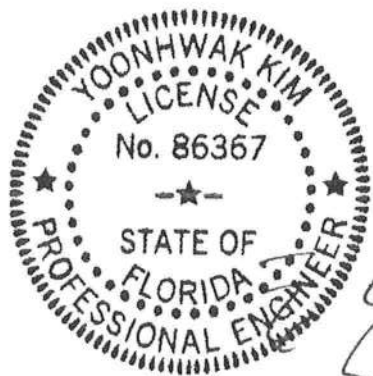
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 11'-5.5".



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/15/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - N	2268 -488	L - K	1380 -198
N - M	2266 -489	K - J	1434 -256
M - L	1870 -346		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - M	171 -459	K - F	502 -101
M - D	488 -30	J - H	1498 -258
D - L	236 -780	H - I	363 -1586
E - L	726 -135		

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

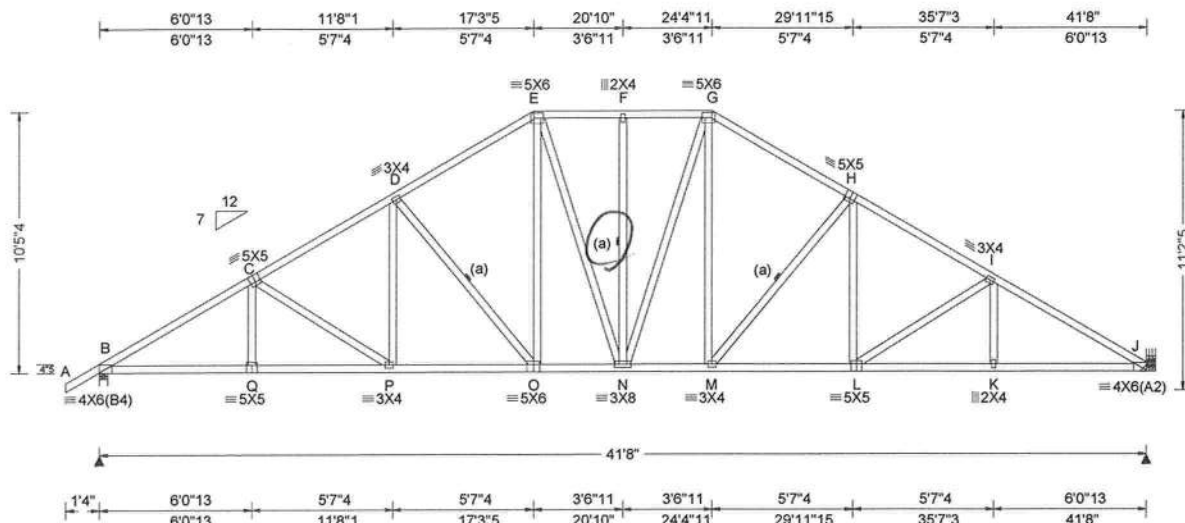
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ALPINE
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 634040 / FROM: CDM	COMN Qty: 1	Ply: 1 Qty: 1	Job Number: 21-5954 Arata Truss Label: A08	Cust: R 215 JRef: 1X9O2150001 T20 / DrwNo: 288.21.0838.05119 / YK 10/15/2021
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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 NCBCL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 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: 4.17 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 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): 0.171 O 999 240 VERT(CL): 0.335 O 999 180 HORZ(LL): 0.082 J - - HORZ(TL): 0.160 J - - Creep Factor: 2.0 Max TC CSI: 0.473 Max BC CSI: 0.806 Max Web CSI: 0.352 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 1898 -/- /- /1078 /31 /295 J 1826 -/- /- /1019 /27 -/ Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.9 J Brg Width = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

Loading

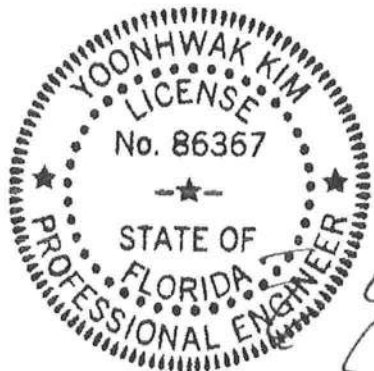
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Additional Notes

Refer to DWG PB160160118 for piggyback details.
The overall height of this truss excluding overhang is 10'-5-4".



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/15/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - Q	2616 - 538	N - M	1843 - 279
Q - P	2614 - 539	M - L	2277 - 414
P - O	2274 - 413	L - K	2638 - 547
O - N	1841 - 278	K - J	2640 - 546

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - P	151 - 393	G - M	672 - 118
P - D	426 - 27	M - H	216 - 694
D - O	215 - 693	H - L	435 - 32
E - O	668 - 118	L - I	159 - 418

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

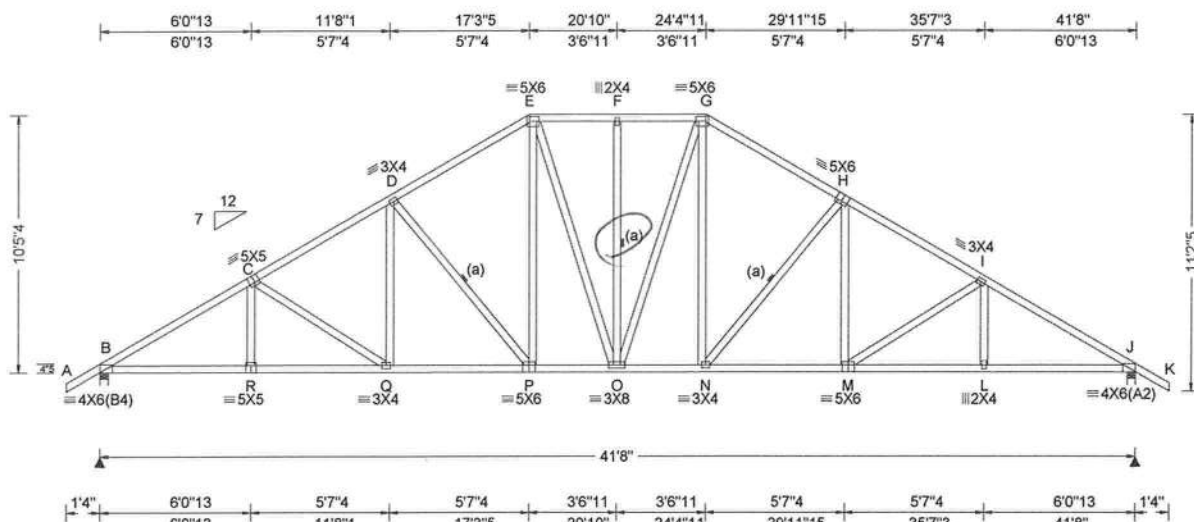
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 634044 / FROM: CDM	HIPS Qty: 1	Ply: 1 Arata Truss Label: A09	Job Number: 21-5954	Cust: R 215 JRef: 1X9O2150001 T9 / DrwNo: 288.21.0838.05118 / YK 10/15/2021
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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 7-16 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: 4.17 ft Loc. from endwall: not in 13.00 ft GCPI: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 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): 0.171 P 999 240 VERT(CL): 0.335 P 999 180 HORZ(LL): 0.082 J - - HORZ(TL): 0.160 J - - Creep Factor: 2.0 Max TC CSI: 0.473 Max BC CSI: 0.805 Max Web CSI: 0.344 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 1897 -/- /- /1081 -/- /295 J 1827 -/- /- /1023 -/- /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.9 J Brg Width = 4.0 Min Req = 1.8 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 306 -3124 F - G 261 -1877 C - D 295 -2732 G - H 277 -2226 D - E 277 -2226 H - I 297 -2735 E - F 261 -1877 I - J 312 -3137

Lumber

Top chord: 2x4 SP #2;
Bot chord: 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.
Wind loading based on both gable and hip roof types.

Additional Notes

Refer to DWG PB160160118 for piggyback details.
The overall height of this truss excluding overhang is 10-5-4.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/15/2021

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

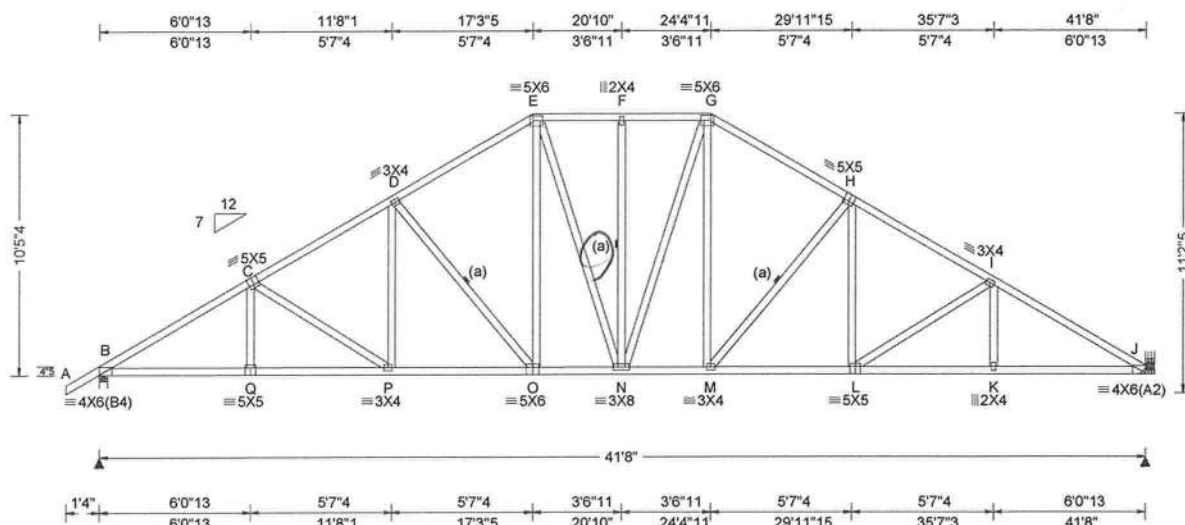
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 634042 / FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 21-5954 Arata Truss Label: A09	Cust: R 215 JRef: 1X9O2150001 T15 / DrwNo: 288.21.0838.05524 / YK 10/15/2021
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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 7-16 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: 4.17 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 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): 0.171 O 999 240 VERT(CL): 0.335 O 999 180 HORZ(LL): 0.082 J - - HORZ(TL): 0.160 J - - Creep Factor: 2.0 Max TC CSI: 0.473 Max BC CSI: 0.806 Max Web CSI: 0.352 VIEW Ver: 21.01.01A.0521.20	Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1898 - / - / 1078 / 31 / 295 J 1826 - / - / 1019 / 27 / - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.9 J Brg Width = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 713 -3126 F - G 667 -1879 C - D 711 -2734 G - H 697 -2229 D - E 697 -2227 H - I 714 -2740 E - F 667 -1879 I - J 721 -3149

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

Loading

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

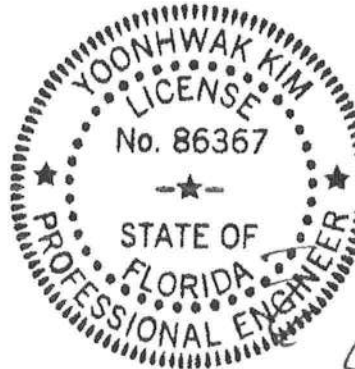
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10'-5-4".



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/15/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chords Tens. Comp.

B - Q	2616	-534	N - M	1843	-277
Q - P	2614	-535	M - L	2277	-411
P - O	2274	-410	L - K	2638	-543
O - N	1841	-276	K - J	2640	-542

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. Webs Tens. Comp.

C - P	150	-393	G - M	672	-117
P - D	426	-27	M - H	215	-694
D - O	214	-693	H - L	435	-32
E - O	668	-117	L - I	158	-418

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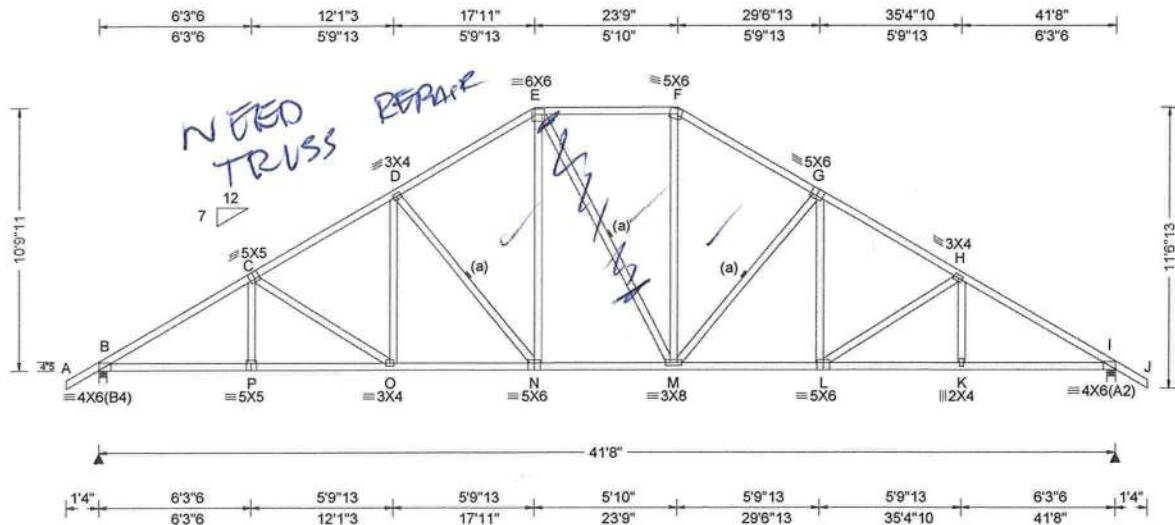
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

SEQN: 634046 / FROM: CDM	HIPS Qty: 1	Ply: 1	Job Number: 21-5954 Arata Truss Label: A10	Cust: R 215 JRef: 1X9O2150001 T21 / DrwNo: 288.21.0838.05494 / YK 10/15/2021
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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 7-16 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: 4.17 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 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): 0.192 N 999 240 VERT(CL): 0.362 N 999 180 HORZ(LL): 0.089 I - - HORZ(TL): 0.168 I - - Creep Factor: 2.0 Max TC CSI: 0.501 Max BC CSI: 0.783 Max Web CSI: 0.381 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 1973 /- /- /1078 /30 /316 I 1967 /- /- /1078 /30 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 2.0 I Brg Width = 4.0 Min Req = 2.0 Bearings B & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 683 - 3265 F - G 659 - 2308 C - D 677 - 2851 G - H 677 - 2839 D - E 662 - 2330 H - I 683 - 3255 E - F 619 - 1923

Lumber

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

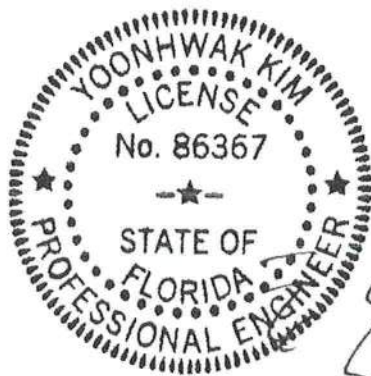
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-9-11.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/15/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - P	2734 - 480	M - L	2360 - 350
P - O	2732 - 481	L - K	2724 - 486
O - N	2372 - 350	K - I	2725 - 485
N - M	1930 - 215		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - O	161 - 417	M - F	754 - 107
O - D	436 - 31	M - G	215 - 704
D - N	216 - 705	G - L	439 - 32
E - N	784 - 111	L - H	162 - 421

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

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

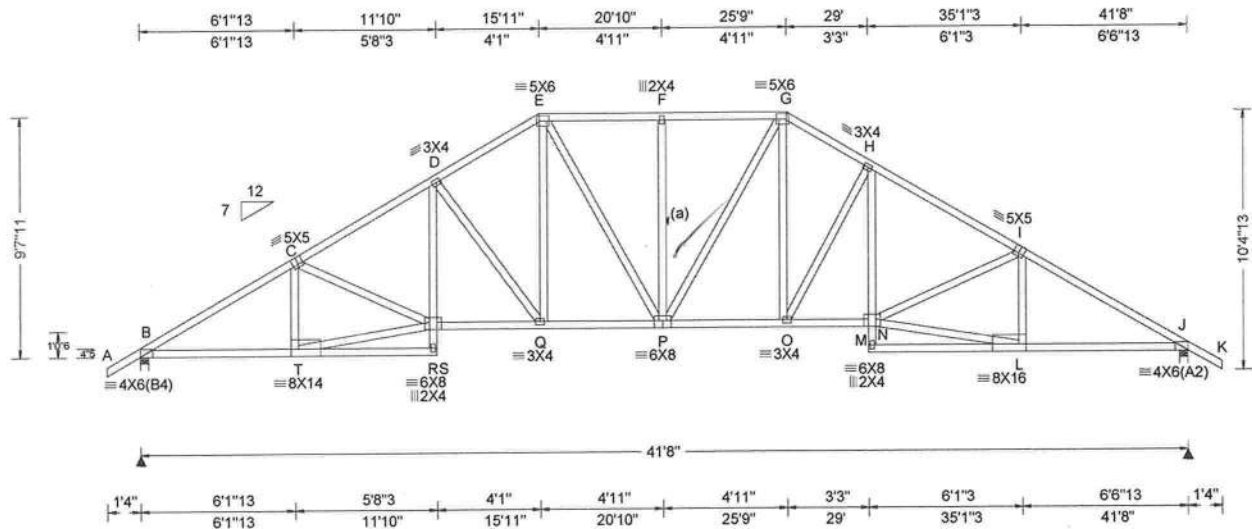
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 634048 / FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 21-5954 Arata Truss Label: A11	Cust: R 215 JRef: 1X902150001 T10 / DrwNo: 288.21.0838.05291 / YK 10/15/2021
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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 7-16	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): 0.212 F 999 240	B	1895	-	-	/1074	/34	/284
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.414 F 999 180	J	1895	-	-	/1074	/34	-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.112 J - -	Wind reactions based on MWFRS						
	EXP: C Kzt: NA		HORZ(TL): 0.219 J - -	B	Brg Width = 4.0		Min Req = 1.9			
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 2.0	J	Brg Width = 4.0		Min Req = 1.9			
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Max TC CSI: 0.520	Bearings B & J are a rigid surface.						
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max BC CSI: 0.747	Members not listed have forces less than 375#						
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max Web CSI: 0.990	Maximum Top Chord Forces Per Ply (lbs)						
Spacing: 24.0 "	C&C Dist a: 4.17 ft	Rep Fac: Yes		Chords	Tens.Comp.	Chords	Tens. Comp.			
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		B - C	760 -3125	F - G	792 -2355			
	GCpI: 0.18	Plate Type(s):	VIEW Ver: 21.01.01A.0521.20	C - D	865 -3229	G - H	818 -2624			
	Wind Duration: 1.60	WAVE		D - E	811 -2636	H - I	846 -3120			
				E - F	792 -2355	I - J	761 -3116			

Lumber

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 9'-7-11".



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/15/2021

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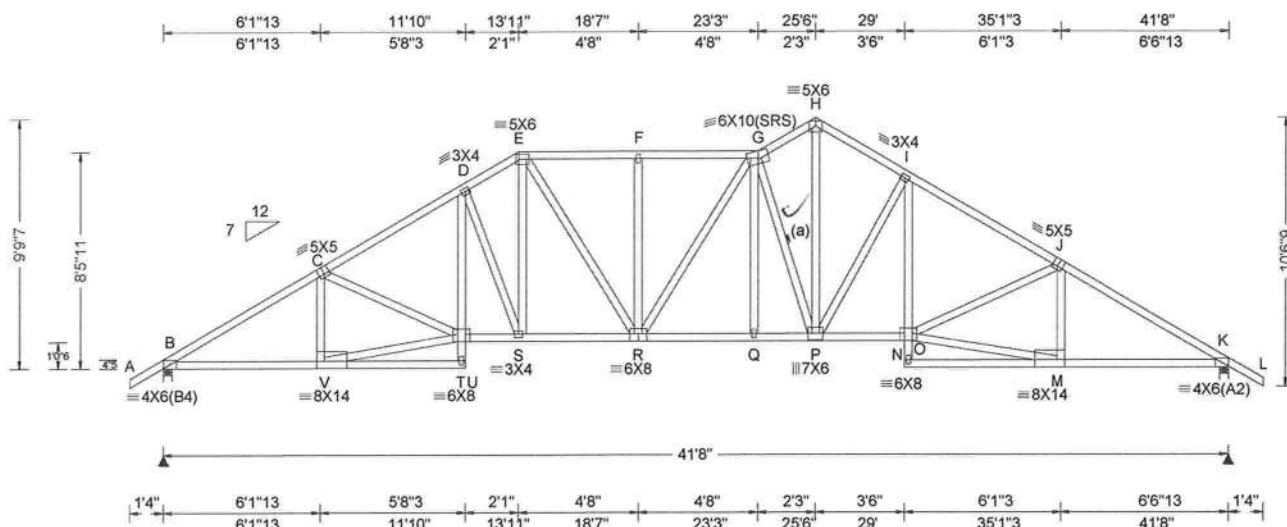
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ALPINE
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 634053 / FROM: CDM	SPEC Qty: 1	Ply: 1 Qty: 1	Job Number: 21-5954 Arata Truss Label: A12	Cust: R 215 JRef: 1X902150001 T28 / DrwNo: 288.21.0838.05588 / YK 10/15/2021
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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 7-16	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): 0.225 Q 999 240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL:	0.00	Enclosure:	Closed	Lu: NA	Cs: NA		VERT(CL): 0.464 Q 999 180	B	1800	/-	/-	/1066	/33	/288
BCDL:	10.00	Risk Category:	II	Snow Duration: NA			HORZ(LL): 0.105 K - -	K	1800	/-	/-	/1070	/80	/-
Des Ld:	40.00	EXP: C	Kzt: NA			Building Code:	HORZ(TL): 0.217 K - -	Wind reactions based on MWFRS						
NCBCLL:	10.00	Mean Height:	15.00 ft			FBC 7th Ed. 2020 Res.	Creep Factor: 2.0	B	Brg Width = 4.0		Min Req = 1.8			
Soffit:	2.00	TCDL:	5.0 psf			TPI Std: 2014	Max TC CSI: 0.486	K	Brg Width = 4.0		Min Req = 1.8			
Load Duration:	1.25	BCDL:	5.0 psf			Rep Fac: Yes	Max BC CSI: 0.699	Bearings B & K are a rigid surface.						
Spacing:	24.0 "	MWFRS Parallel Dist:	h to 2h			FT/RT:20(0)/10(0)	Max Web CSI: 0.974	Members not listed have forces less than 375#						
		C&C Dist a:	4.17 ft			Plate Type(s):	VIEW Ver: 21.01.01A.0521.20	Maximum Top Chord Forces Per Ply (lbs)						
		Loc. from endwall:	not in 13.00 ft			WAVE		Chords	Tens.Comp.	Chords	Tens. Comp.			
		GCpi:	0.18					B - C	778 - 2947	G - H	783 - 2342			
		Wind Duration:	1.60					B - C	778 - 2947	G - H	783 - 2342			

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

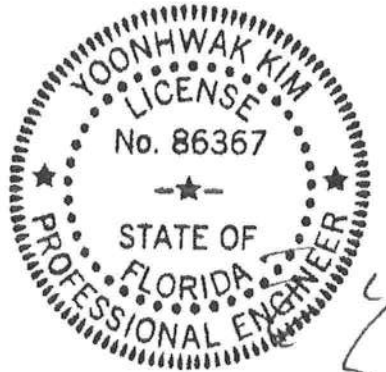
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 9-9.7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/15/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - V	2462 - 564	Q - P	2453 - 498
T - S	2522 - 534	P - N	2423 - 456
S - R	2220 - 443	M - K	2449 - 522
R - Q	2454 - 497		

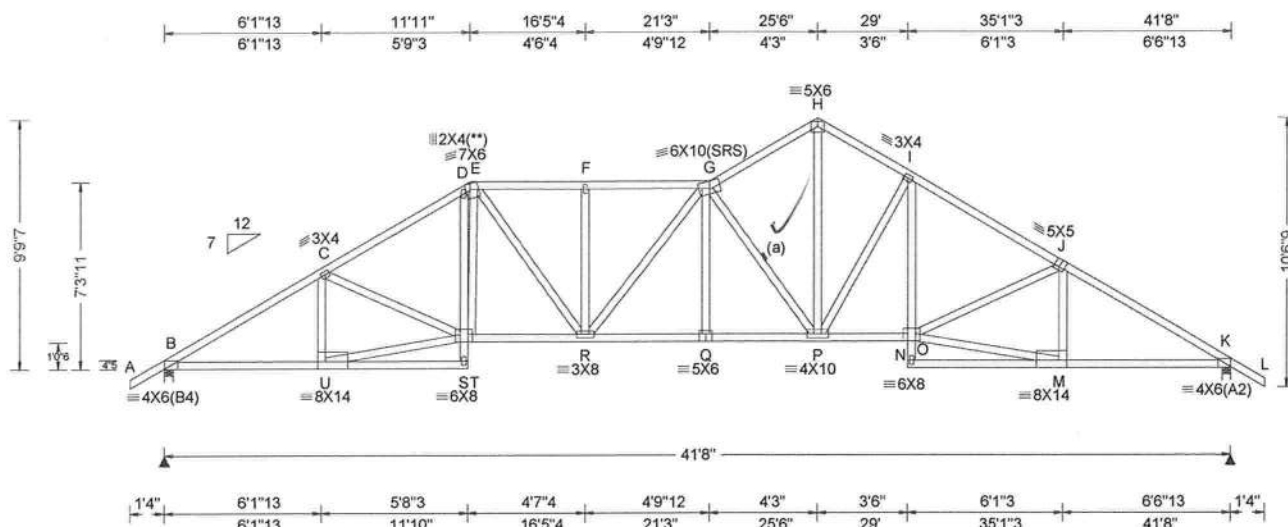
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - V	190 - 421	G - P	562 - 1481
V - T	2445 - 561	H - P	2136 - 713
T - D	717 - 142	P - I	256 - 841
D - S	256 - 859	I - N	671 - 112
E - S	727 - 169	N - M	2428 - 519
E - R	468 - 203		

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

SEQN: 634056 / FROM: CDM	SPEC	Ply: 1 Qty: 1	Job Number: 21-5954 Arata Truss Label: A13	Cust: R 215 JRef: 1X902150001 T25 / DrwNo: 288.21.0838.05447 / YK 10/15/2021
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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 BCDL: 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 7-16 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: 4.17 ft Loc. from endwall: not in 13.00 ft GCp1: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 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): 0.247 Q 999 240 VERT(CL): 0.510 Q 973 180 HORZ(LL): 0.111 K - - HORZ(TL): 0.229 K - - Creep Factor: 2.0 Max TC CSI: 0.489 Max BC CSI: 0.702 Max Web CSI: 0.935 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1800 - / - / - /1058 /34 /288 K 1800 - / - / - /1065 /69 - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.8 K Brg Width = 4.0 Min Req = 1.8 Bearings B & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 797 -2948 G - H 744 -2389 C - D 908 -3010 H - I 754 -2388 D - E 956 -2899 I - J 786 -2901 E - F 945 -2857 J - K 711 -2936 F - G 945 -2857

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

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

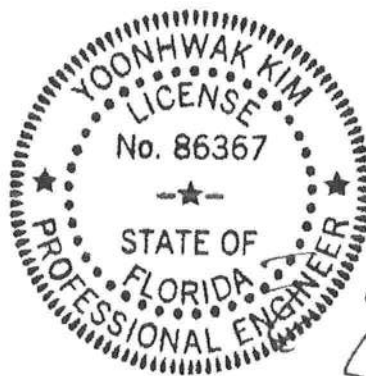
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 9-9.7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/15/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - U	2463 -581	Q - P	2981 -676
S - R	2496 -548	P - N	2422 -442
R - Q	2983 -675	M - K	2449 -505

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - U	194 -425	P - I	253 -836
U - S	2455 -578	H - P	2097 -654
S - E	778 -241	I - N	670 -112
E - R	602 -233	N - M	2428 -503
G - P	605 -1676		

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

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

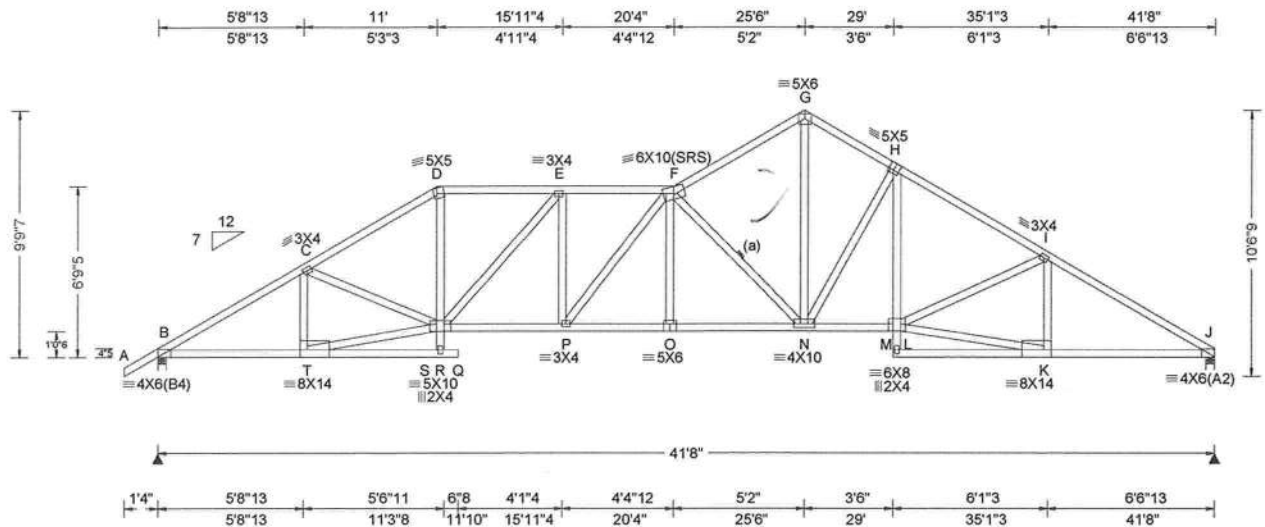
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCEA: sbceacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 403093 FROM: CDM	SPEC Qty: 1	Ply: 1 Qty: 1	Job Number: 21-5954 Arata Truss Label: A14	Cust: R 215 JRef: 1X9O2150001 T19 DrwNo: 288.21.0914.18757 / YK 10/15/2021
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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 7-16 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: 4.17 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 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): 0.268 O 999 240 VERT(CL): 0.553 O 897 180 HORZ(LL): 0.119 J - - HORZ(TL): 0.245 J - - Creep Factor: 2.0 Max TC CSI: 0.484 Max BC CSI: 0.779 Max Web CSI: 0.936 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1825 - / - / - /1074 /40 /284 J 1731 - / - / - /1005 /56 - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.8 J Brg Width = 4.0 Min Req = 1.7 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.

Lumber

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

Bracing

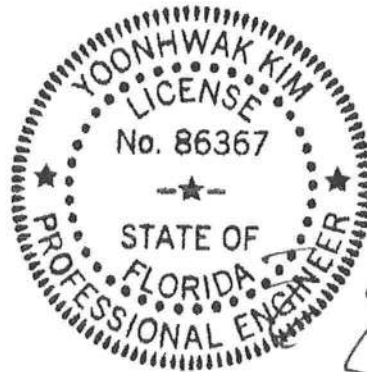
(a) Continuous lateral restraint equally spaced on member.

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 9-9-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/15/2021

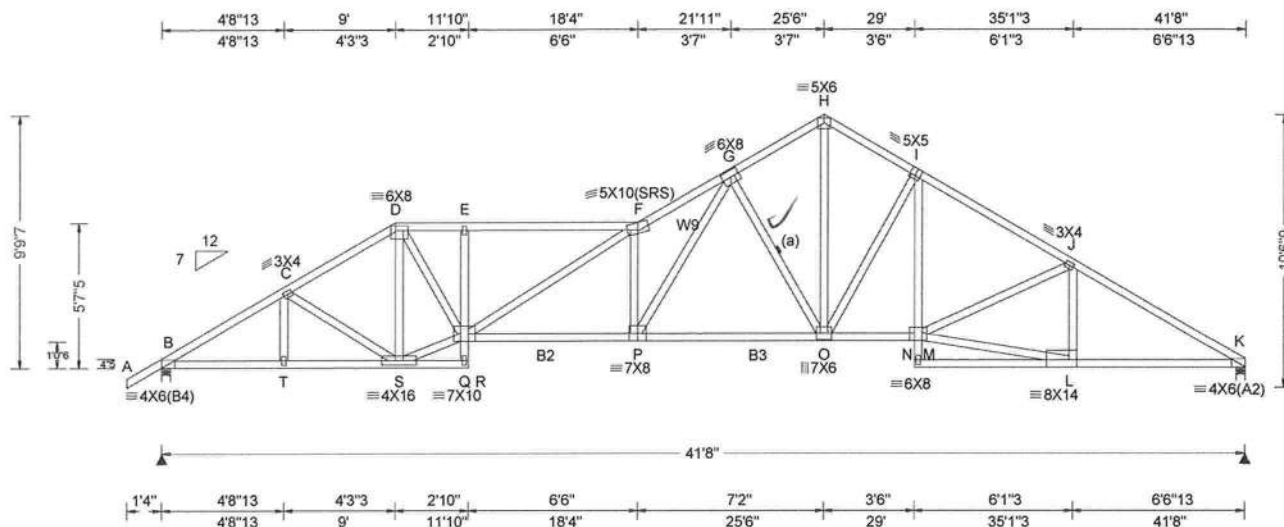
Chords	Tens.Comp.	Chords	Tens. Comp.
B - T	2465 - 613	O - N	3278 - 780
R - P	3091 - 775	N - L	2424 - 454
P - O	3281 - 779	K - J	2462 - 526

Webs	Tens.Comp.	Webs	Tens. Comp.
C - T	204 - 456	G - N	2063 - 625
T - R	2457 - 608	N - H	250 - 825
D - R	1193 - 289	H - L	674 - 120
R - E	255 - 695	L - K	2441 - 524
F - N	653 - 1832		

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

SEQN: 634060 / FROM: CDM	SPEC Qty: 1	Ply: 1 Qty: 1	Job Number: 21-5954 Arata Truss Label: A15	Cust: R 215 JRef: 1X9O2150001 T39 / DrwNo: 288.21.0838.05244 / YK 10/15/2021
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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 7-16 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: 4.17 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 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): 0.374 F 999 240 VERT(CL): 0.751 F 661 180 HORZ(LL): 0.129 K - - HORZ(TL): 0.259 K - - Creep Factor: 2.0 Max TC CSI: 0.928 Max BC CSI: 0.866 Max Web CSI: 0.962 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1851 - / - / 1046 / 44 / 277 K 1786 - / - / 1001 / 45 / - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.9 K Brg Width = 4.0 Min Req = 1.8 Bearings B & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 824 -3061 G - H 719 -2521 C - D 834 -2787 H - I 726 -2527 D - E 1119 -3630 I - J 760 -3033 E - F 1123 -3644 J - K 690 -3054 F - G 1466 -5098

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B2,B3 2x4 SP M-31;
Webs: 2x4 SP #3; W9 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

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.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 9-9-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/15/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - T	2571 - 644	P - O	2960 - 586
T - S	2571 - 645	O - M	2534 - 434
Q - P	4358 - 1023	L - K	2553 - 510

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
D - S	224 - 805	G - O	556 - 1655
D - Q	2388 - 685	O - I	256 - 821
S - Q	2505 - 588	H - O	2260 - 631
Q - F	108 - 838	I - M	655 - 118
F - P	888 - 2414	M - L	2524 - 508
P - G	2872 - 895	L - J	169 - 383

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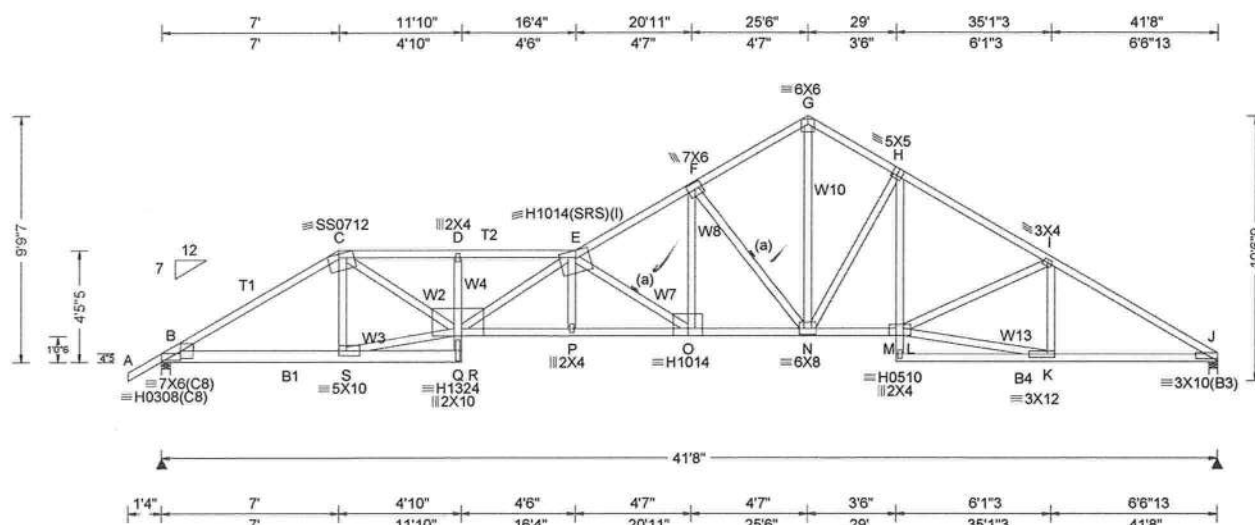
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 634089 / FROM: CDM	SPEC Qty: 1	Ply: 1 Arata Truss Label: A16	Job Number: 21-5954	Cust: R 215 JRef: 1X9O2150001 T11 / DrwNo: 288.21.0838.05555 / YK 10/15/2021
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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 7-16 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: 4.17 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): HS, WAVE, 18SS	PP Deflection in loc L/defl L/# VERT(LL): 0.597 E 832 240 VERT(CL): 1.219 E 407 180 HORZ(LL): 0.194 J - - HORZ(TL): 0.396 J - - Creep Factor: 2.0 Max TC CSI: 0.840 Max BC CSI: 0.958 Max Web CSI: 0.931 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL B 3472 - / - / - / 493 - / - J 2138 - / - / - / 326 - / - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 2.9 J Brg Width = 4.0 Min Req = 2.5 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 868 -6290 F - G 499 -3301 C - D 1181 -8836 G - H 494 -3285 D - E 1187 -8889 H - I 597 -3847 E - F 789 -5413 I - J 582 -3724

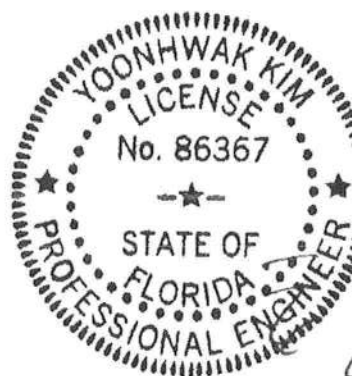
Lumber
Top chord: 2x4 SP #2; T1,T2 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B1 2x6 SP 2400f-2.0E;
B4 2x4 SP #2;
Webs: 2x4 SP #3; W2,W4,W7,W8,W10,W13 2x4 SP #2;
W3 2x4 SP M-31;
Lt Wedge: 2x4 SP #3;

Bracing
(a) Continuous lateral restraint equally spaced on member.

Special Loads
----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at -1.00 to 63 plf at 7.00
TC: From 32 plf at 7.00 to 32 plf at 9.21
TC: From 63 plf at 9.21 to 63 plf at 41.67
BC: From 5 plf at -1.00 to 5 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 9.21
BC: From 20 plf at 9.21 to 20 plf at 41.67
TC: 441 lb Conc. Load at 7.03
BC: 526 lb Conc. Load at 7.03
BC: 1201 lb Conc. Load at 9.21

Plating Notes
(I) - plates so marked were sized using 0% Fabrication Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance.

Wind
Wind loads and reactions based on MWFRS.
Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/15/2021

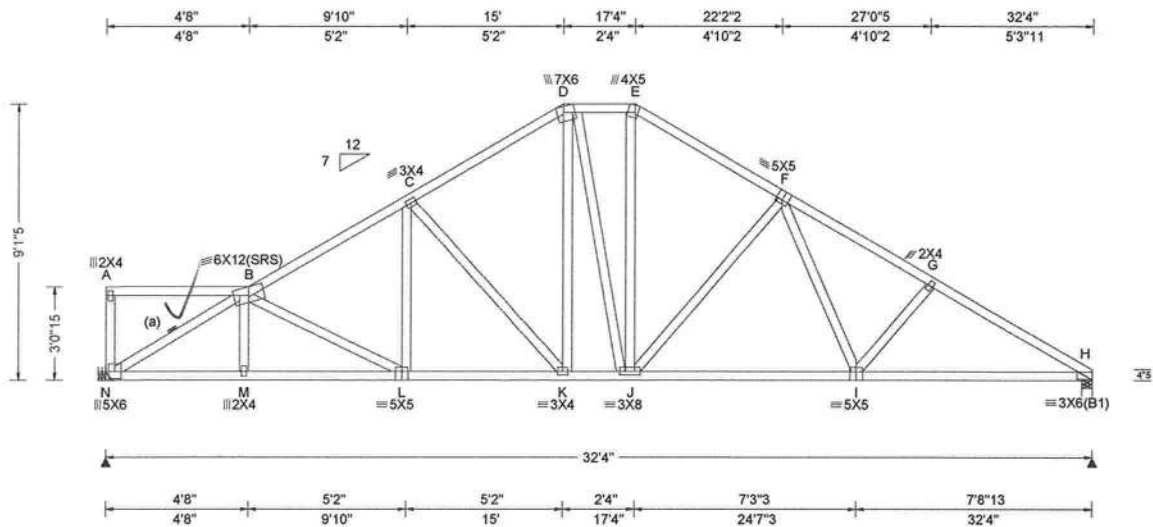
Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.
B - S 5338 -715 O - N 4511 -647
Q - P 8738 -1210 N - L 3239 -484
P - O 8741 -1213 K - J 3129 -471

Maximum Web Forces Per Ply (lbs)
Webs Tens.Comp. Webs Tens. Comp.
C - Q 4123 -567 F - N 394 -2812
S - Q 5306 -695 N - H 158 -915
Q - R 474 -4 G - N 3004 -386
Q - E 186 -587 H - L 768 -70
E - O 675 -5027 L - K 3101 -469
O - F 2974 -342 K - I 166 -509

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 396062 / FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 21-5954 Arata Truss Label: A17	Cust: R 215 JRef: 1X9O2150001 T29 / DrwNo: 288.21.0838.04805 / YK 10/15/2021
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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 7-16 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: 3.23 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 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): 0.102 K 999 240 VERT(CL): 0.204 K 999 180 HORZ(LL): 0.047 H - - HORZ(TL): 0.094 H - - Creep Factor: 2.0 Max TC CSI: 0.393 Max BC CSI: 0.715 Max Web CSI: 0.690 VIEW Ver: 21.01.01A.0521.20	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL N 1370 - / - / - /708 /40 /225 H 1416 - / - / - /787 /15 - Wind reactions based on MWFRS N Brg Width = - Min Req = - H Brg Width = 4.0 Min Req = 1.7 Bearing H is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 508 -2006 E - F 480 -1583 C - D 487 -1576 F - G 523 -2186 D - E 454 -1303 G - H 519 -2378

Lumber

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

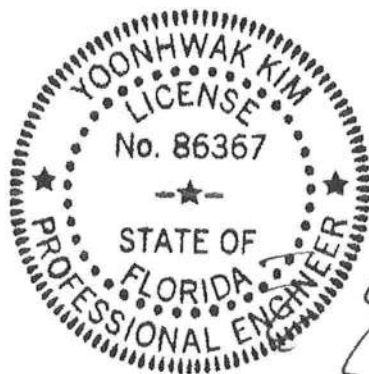
Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 9'-1.5".



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/15/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
N - M	1983 -402	K - J	1280 -137
M - L	1978 -405	J - I	1661 -261
L - K	1667 -280	I - H	1985 -378

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
N - B	576 -2292	J - E	533 -110
C - K	217 -589	J - F	198 -586
D - K	451 -134	F - I	442 -47

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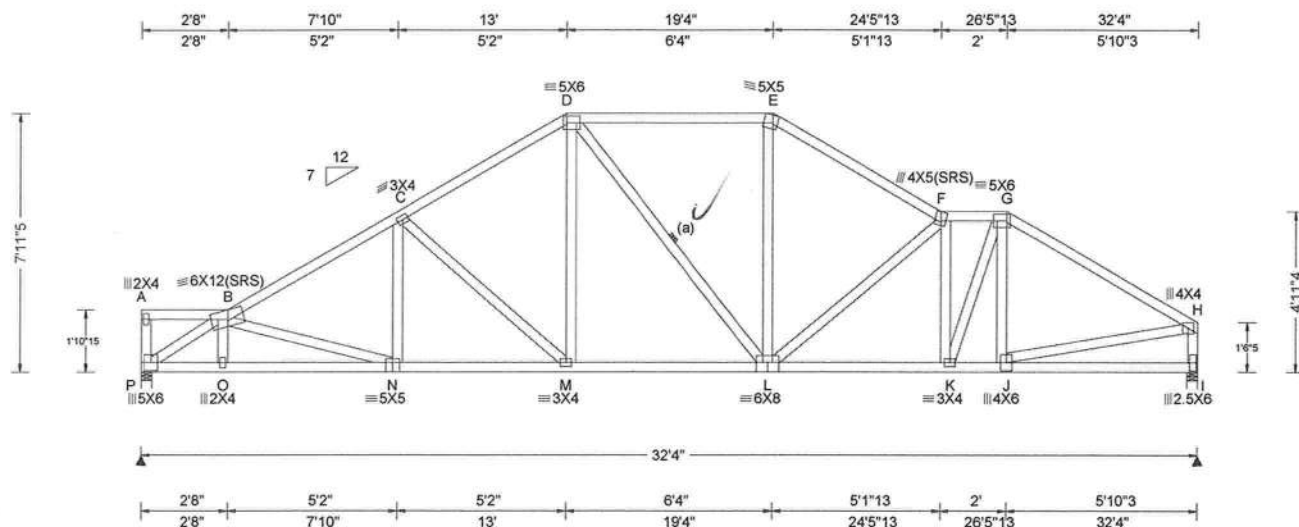
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 633497 / FROM: CDM	SPEC Qty: 1	Ply: 1 Qty: 1	Job Number: 21-5954 Arata Truss Label: A18	Cust: R 215 JRef: 1X9O2150001 T32 / DrwNo: 288.21.0838.04666 / YK 10/15/2021
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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 7-16 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: 3.23 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 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): 0.099 M 999 240 VERT(CL): 0.197 M 999 180 HORZ(LL): 0.040 I - - HORZ(TL): 0.080 I - - Creep Factor: 2.0 Max TC CSI: 0.606 Max BC CSI: 0.588 Max Web CSI: 0.565 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ /R- /Rh /Rw /U /RL P 1406 /- /- /742 /231 /164 I 1396 /- /- /753 /226 /- Wind reactions based on MWFRS P Brg Width = 4.0 Min Req = 1.7 I Brg Width = 4.0 Min Req = 1.6 Bearings P & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 641 -2239 E - F 629 -1788 C - D 629 -1828 F - G 610 -1774 D - E 597 -1494 G - H 550 -1821

Lumber	Maximum Bot Chord Forces Per Ply (lbs)
Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;	Chords Tens.Comp. Chords Tens. Comp. P - O 2140 -575 M - L 1506 -355 O - N 2135 -580 L - K 1819 -502 N - M 1869 -482 K - J 1499 -404

Bracing	Maximum Web Forces Per Ply (lbs)
(a) Continuous lateral restraint equally spaced on member.	Chords Tens.Comp. Chords Tens. Comp. P - B 682 -2490 F - K 254 -719 C - M 173 -492 K - G 794 -239 D - M 543 -58 J - H 1483 -396 L - E 471 -50 H - I 411 -1344 L - F 185 -444

Loading	Additional Notes
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.	The overall height of this truss excluding overhang is 7'-11-5/8".

Wind
Wind loads based on MWFRS with additional C&C member design. End verticals not exposed to wind pressure. Wind loading based on both gable and hip roof types.



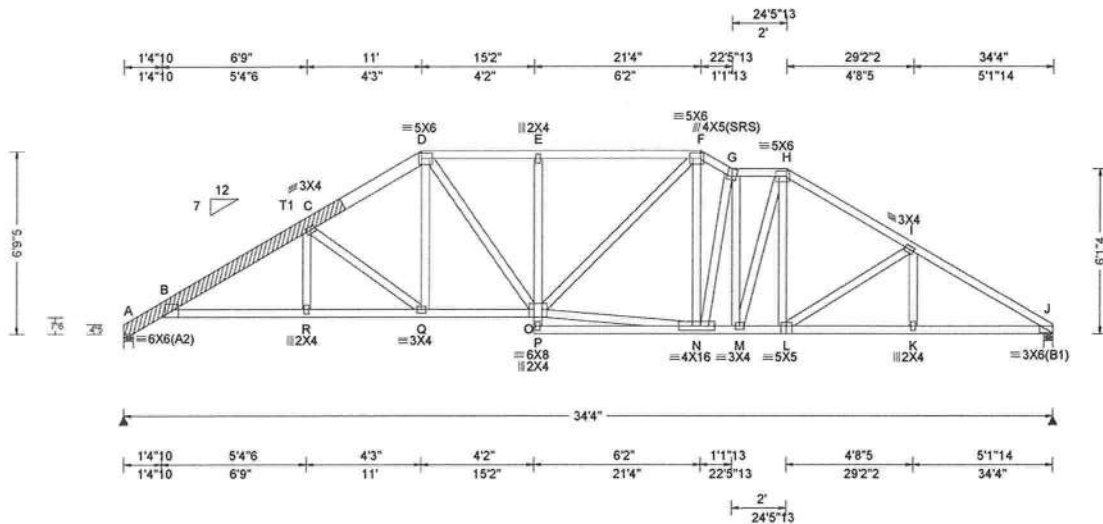
FL REG# 278, Yoonhwak Kim, FL PE #86367
10/15/2021

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 633494 / FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 21-5954 Arata Truss Label: A19	Cust: R 215 JRef: 1X902150001 T40 / DrwNo: 288.21.0838.04650 / YK 10/15/2021
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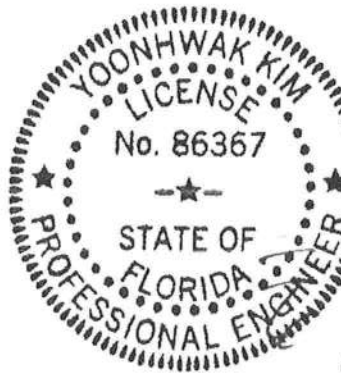
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II 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: 3.43 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 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): 0.149 E 999 240 VERT(CL): 0.308 E 999 180 HORZ(LL): 0.095 J - - HORZ(TL): 0.196 J - - Creep Factor: 2.0 Max TC CSI: 0.391 Max BC CSI: 0.621 Max Web CSI: 0.643 VIEW Ver: 21.01.01A.0521.20	Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 1406 /- /- /796 /258 /168 J 1421 /- /- /815 /242 /- Wind reactions based on MWFRS A Brg Width = 4.0 Min Req = 1.5 J Brg Width = 4.0 Min Req = 1.7 Bearings A & 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. A - B 231 -699 F - G 822 -1971 B - C 857 -2604 G - H 770 -1828 C - D 841 -2178 H - I 779 -2047 D - E 905 -2087 I - J 775 -2395 E - F 901 -2078

Lumber
Top chord: 2x4 SP #2; T1 2x6 SP 2400f-2.0E;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Tray Scab(s)
(1) 2x6x9-4-12 x SP 2400f-2.0E scab at left end.
Attach scab to face of chord with: 0.128"x3", min.
nails @ 8" oc, plus additional nail clusters at: BRG.:
(6), heel: (7), 1st panel point: (2).

Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Additional Notes
The overall height of this truss excluding overhang is 6-9-5.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/15/2021

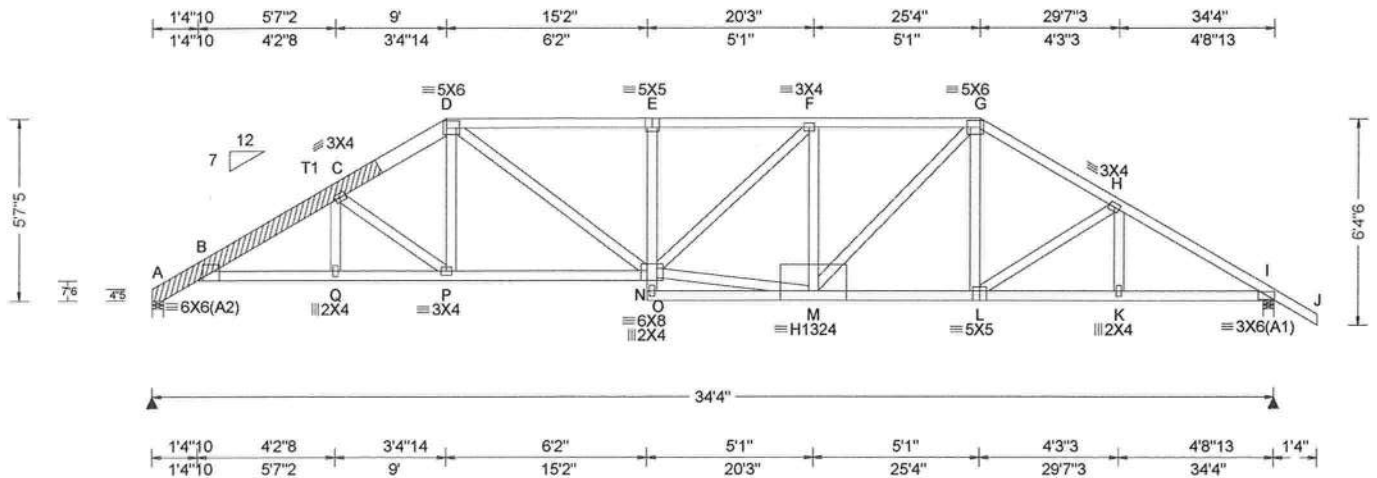
Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - R	2332 -694	M - L	1701 -498
R - Q	2329 -693	L - K	1998 -601
Q - O	1792 -518	K - J	2000 -600
N - M	1852 -571		

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
C - Q	223 -683	N - F	403 -44
D - Q	457 -79	N - G	168 -444
D - O	487 -286	G - M	229 -473
O - N	1687 -515	M - H	449 -247
O - F	434 -202		

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Suite 305
Orlando FL, 32821

SEQN: 634062 / FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 21-5954 Arata Truss Label: A20	Cust: R 215 JRef: 1X9O2150001 T8 / DrwNo: 288.21.0838.05259 / YK 10/15/2021
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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 7-16 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: 3.43 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 Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.178 E 999 240 VERT(CL): 0.364 E 999 180 HORZ(LL): 0.097 I - - HORZ(TL): 0.198 I - - Creep Factor: 2.0 Max TC CSI: 0.473 Max BC CSI: 0.685 Max Web CSI: 0.817 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL A 1405 /- /- /784 /262 /157 I 1490 /- /- /862 /264 /- Wind reactions based on MWFRS A Brg Width = 4.0 Min Req = 1.5 I Brg Width = 4.0 Min Req = 1.8 Bearings A & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

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

Tray Scab(s)

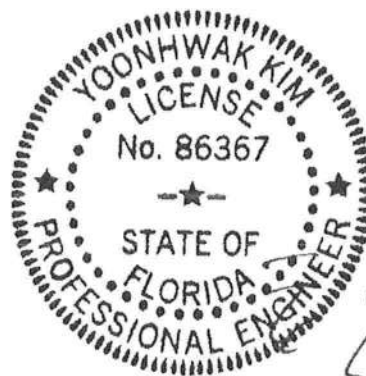
(1) 2x6x8-0-11 x SP 2400f-2.0E scab at left end.
Attach scab to face of chord with: 0.128"x3", min.
nails @ 8" oc, plus additional nail clusters at BRG.:
(6), heel: (7), 1st panel point: (2).

Wind

Wind loads based on MWFRS with additional C&C
member design.
Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is
5-7.5.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/15/2021

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - Q	2450 - 813	M - L	1759 - 586
Q - P	2445 - 812	L - K	1987 - 649
P - N	2016 - 678	K - I	1988 - 648

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - P	171 - 546	N - M	2146 - 780
D - P	451 - 30	F - M	434 - 695
D - N	765 - 410	M - G	631 - 349
N - F	564 - 239		

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

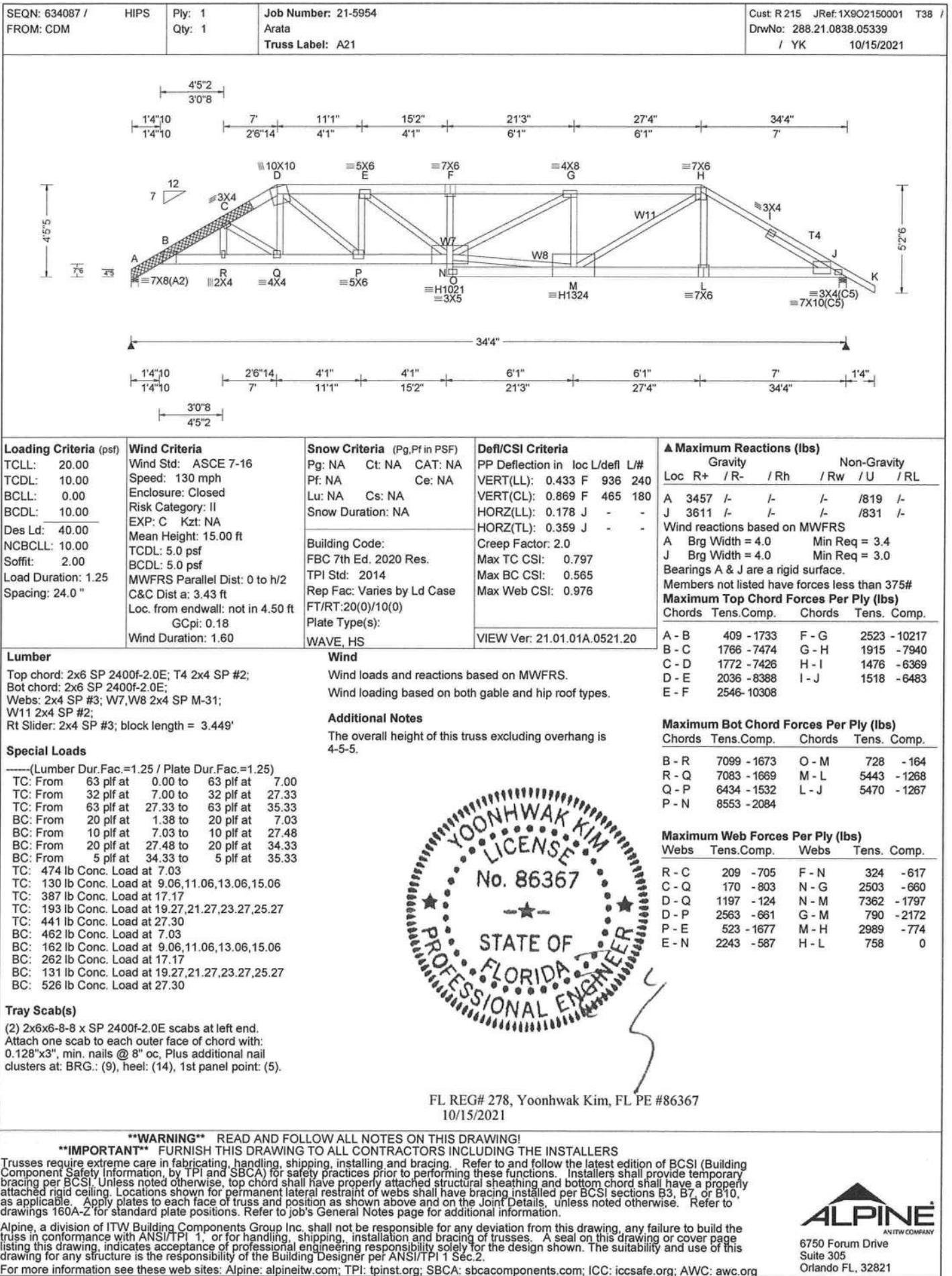
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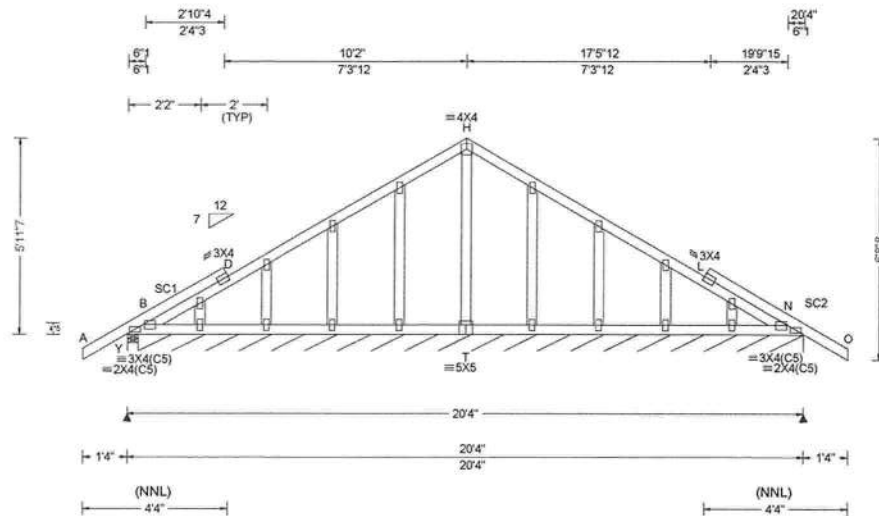
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Suite 305
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SEQN: 636325 FROM: CDM	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: 21-5954 Arata Truss Label: B01	Cust: R 215 JRef: 1X902150001 T4 DrwNo: 288.21.0914.16130 / YK 10/15/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 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): 0.002 D 999 240 VERT(CL): 0.003 D 999 180 HORZ(LL): 0.001 L - - HORZ(TL): 0.002 L - - Creep Factor: 2.0 Max TC CSI: 0.200 Max BC CSI: 0.026 Max Web CSI: 0.065 VIEW Ver: 21.01.01A.0521.20	Gravity Loc R+ / R- / Rh / Rw / U / RL Y 249 /- /- /172 /50 /82 N* 81 /- /- /45 /- /- Non-Gravity Wind reactions based on MWFRS Y Brg Width = 4.0 Min Req = 1.5 N Brg Width = 240 Min Req = - Bearings Y & B 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;
Stack Chord: SC1 2x4 SP #2;
Stack Chord: SC2 2x4 SP #2;

Plating Notes

All plates are 2X4 except as noted.

Wind

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

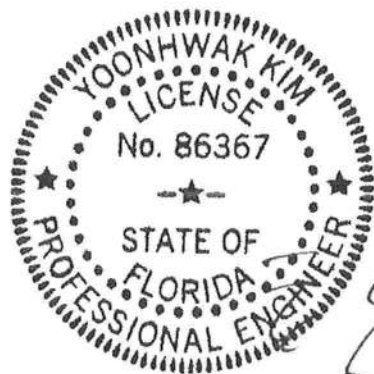
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.

The overall height of this truss excluding overhang is 5-11-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/15/2021

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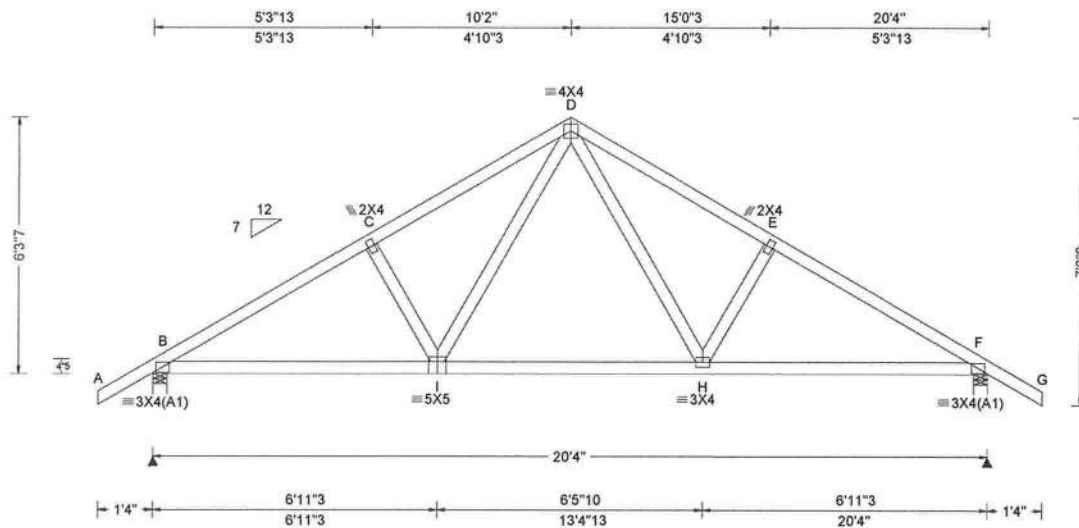
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Orlando FL, 32821

SEQN: 636328 FROM: CDM	SPEC	Ply: 1 Qty: 9	Job Number: 21-5954 Arata Truss Label: B02	Cust: R 215 JRef: 1X9O2150001 T23 DrwNo: 288.21.0914.13257 / YK 10/15/2021
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.039 H 999 240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.076 H 999 180	B 978	/-	/-	/-	/563	/161	/192
	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.016 F - -	F 978	/-	/-	/-	/563	/161	/-
	EXP: C Kzt: NA		HORZ(TL): 0.032 F - -	Wind reactions based on MWFRS						
	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	B	Brg Width = 4.0		Min Req = 1.5			
	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.239	F	Brg Width = 4.0		Min Req = 1.5			
	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.459	Bearings B & F are a rigid surface.						
	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.181	Members not listed have forces less than 375#						
C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Maximum Top Chord Forces Per Ply (lbs)							
Loc. from endwall: Any	Plate Type(s):		Chords	Tens.	Comp.	Chords	Tens.	Comp.		
GCpi: 0.18	WAVE		B - C	451	-1358	D - E	486	-1213		
Wind Duration: 1.60			C - D	487	-1212	E - F	450	-1358		

Lumber

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

Loading

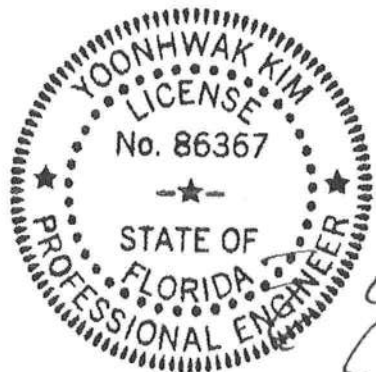
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/15/2021

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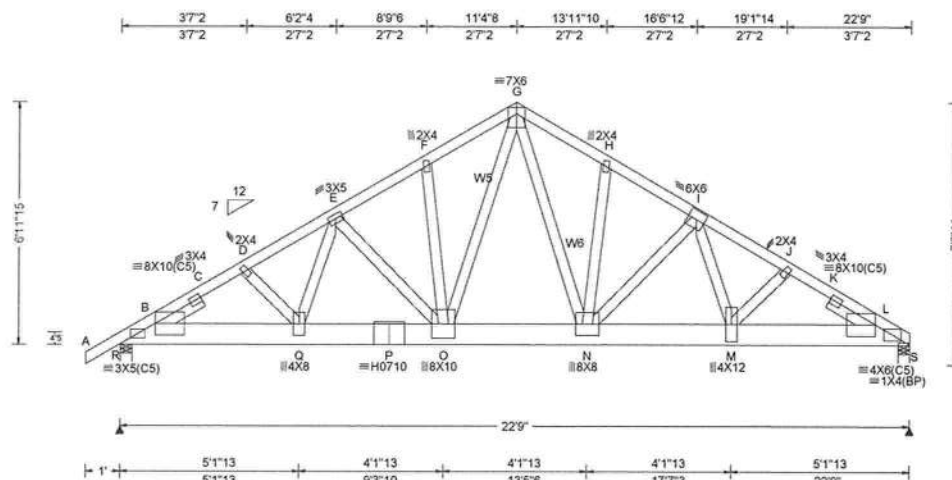
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 633667	COMN	Ply: 2	Job Number: 21-5954	Cust: R 215	JRef: 1X902150001	T35
FROM: CDM		Qty: 1	Arata	DrwNo: 288.21.0914.09207		
			Truss Label: B03	/ YK	10/15/2021	

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-16	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): 0.166 N 999 240	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.330 N 805 180	R 8265 /- /- /- /1451 /-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.047 E - -	S 10857 /- /- /- /1070 /-
Des Ld: 40.00	EXP: C Kzt: NA	Building Code:	HORZ(TL): 0.093 E - -	Wind reactions based on MWFRS
NCBCLL: 0.00	Mean Height: 15.00 ft	FBC 7th Ed. 2020 Res.	Creep Factor: 2.0	R Brg Width = 4.0 Min Req = 3.4
Soffit: 2.00	TCDL: 5.0 psf	TPI Std: 2014	Max TC CSI: 0.508	S Brg Width = 4.0 Min Req = 3.8
Load Duration: 1.25	BCDL: 5.0 psf	Rep Fac: No	Max BC CSI: 0.714	Bearings R & S are a rigid surface.
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	FT/RT: 20(0)/10(0)	Max Web CSI: 0.798	Members not listed have forces less than 375#
	C&C Dist a: 3.00 ft	Plate Type(s):	VIEW Ver: 21.01.01A.0521.20	Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: not in 9.00 ft	WAVE, HS		Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18			B - C 1383 -7773 G - H 921 -6670
	Wind Duration: 1.60			C - D 1364 -7708 H - I 930 -6721

Lumber

Top chord: 2x4 SP M-31;
Bot chord: 2x8 SP 2400F-2.0E;
Webs: 2x4 SP #3; W5,W6 2x4 SP #2;
Lt Slider: 2x4 SP #3; block length = 1.500'
Rt Slider: 2x4 SP #3; block length = 1.500'

Nailnote

Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 2 Rows @ 4.00" o.c. (Each Row)
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 63 plf at -1.00 to 63 plf at 7.06
TC: From 32 plf at 7.06 to 32 plf at 11.38
TC: From 63 plf at 11.38 to 63 plf at 22.75
BC: From 5 plf at -1.00 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 7.06
BC: From 10 plf at 7.06 to 10 plf at 22.75
BC: 4323 lb Conc. Load at 7.06
BC: 1725 lb Conc. Load at 9.06
BC: 2013 lb Conc. Load at 11.06
BC: 1869 lb Conc. Load at 13.06
BC: 1947 lb Conc. Load at 15.06
BC: 1903 lb Conc. Load at 17.06
BC: 1848 lb Conc. Load at 19.06
BC: 1826 lb Conc. Load at 21.06

Additional Notes

The overall height of this truss excluding overhang is 6'-11-15.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/15/2021

****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. Refer to job's General Notes page for additional information.

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

For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbacompnents.com; ICC: iccsafe.org; AWC: awc.org

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