

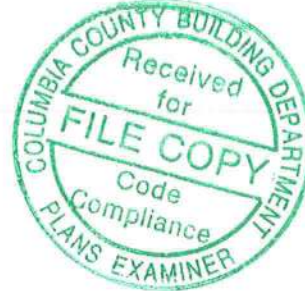


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FL REG# 278, Yoonhwak Kim, FL PE #86367

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: 20-4291
Job Description: Lot 10 Rolling Meadows	
Address:	

Job Engineering Criteria:			
Design Code: FBC 2017 RES		IntelliVIEW Version: 19.02.02B	
		JRef #: 1WVO2150006	
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, 47 truss drawing(s) and 5 detail(s).

Item	Drawing Number	Truss
1	150.20.1640.19357	A01
3	150.20.1642.29040	A03
5	150.20.1642.47710	A05
7	150.20.1643.06060	A07
9	150.20.1642.59987	A09
11	150.20.1643.12083	A11
13	150.20.1643.15763	A13
15	150.20.1643.18913	A15
17	150.20.1643.29807	B01
19	150.20.1643.33303	B03
21	150.20.1643.44083	B05
23	150.20.1643.47067	B07
25	150.20.1643.49417	B09
27	150.20.1643.53767	C01
29	150.20.1643.57460	C03
31	150.20.1644.01440	J01
33	150.20.1644.03410	J02
35	150.20.1644.05420	J02B
37	150.20.1644.07580	J03A
39	150.20.1644.10060	J03C
41	150.20.1644.20087	J05HJ
43	150.20.1644.27503	J06
45	150.20.1644.31640	PB01
47	150.20.1644.35633	PB03
49	CNNAILSP1014	
51	GBLLETIN0118	

Item	Drawing Number	Truss
2	150.20.1640.21023	A02
4	150.20.1642.45113	A04
6	150.20.1642.49403	A06
8	150.20.1642.57363	A08
10	150.20.1643.09017	A10
12	150.20.1643.13927	A12
14	150.20.1643.17177	A14
16	150.20.1643.26260	A17
18	150.20.1643.31837	B02
20	150.20.1643.36770	B04
22	150.20.1643.45673	B06
24	150.20.1643.48227	B08
26	150.20.1643.50740	B10
28	150.20.1643.55710	C02
30	150.20.1643.59787	D01
32	150.20.1644.02500	J01A
34	150.20.1644.04400	J02A
36	150.20.1644.06483	J03
38	150.20.1644.08737	J03B
40	150.20.1644.11347	J04
42	150.20.1644.25227	J05AHJ
44	150.20.1644.29390	J07HJ
46	150.20.1644.32853	PB02
48	BRCLBSUB0119	
50	A14015ENC101014	
52	PB160101014	

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.

lc = 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.

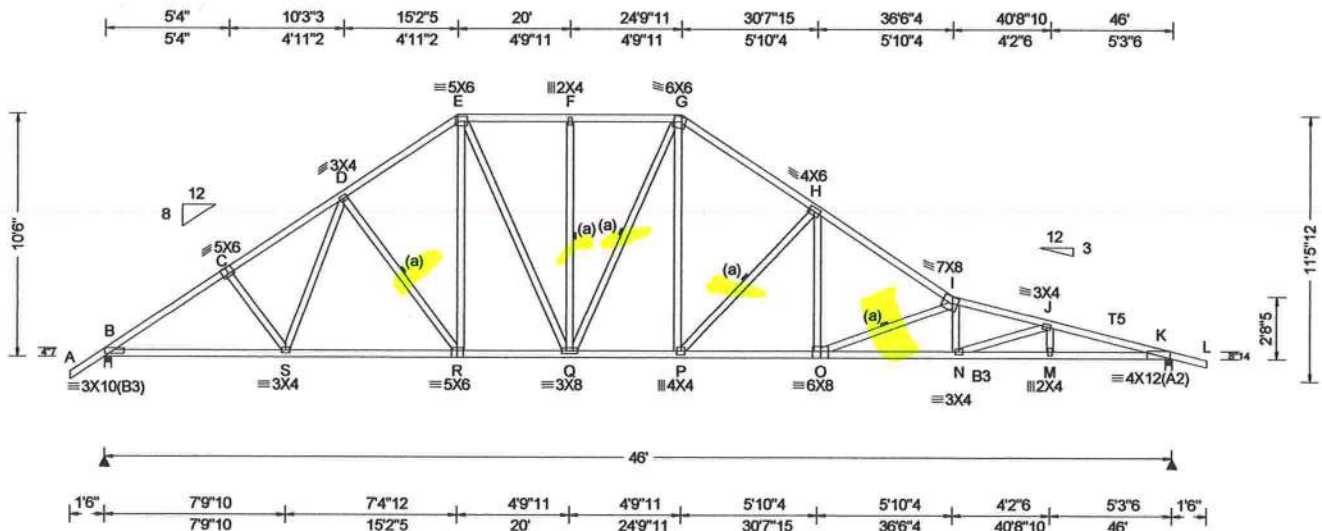
Refer to ASCE-7 for Wind and Seismic abbreviations.

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: 318516 FROM: CDM	SPEC Ply: 1 Qty: 6	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: A01	Cust: R 215 JRef: 1WVO2150006 T48 DrwNo: 150.20.1640.19357 / YK 05/29/2020
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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: 16.54 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.60 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 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): 0.484 O 999 240 VERT(CL): 0.934 O 587 180 HORZ(LL): 0.156 E - - HORZ(TL): 0.301 E - - Creep Factor: 2.0 Max TC CSI: 0.749 Max BC CSI: 0.985 Max Web CSI: 0.847 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 2189 - / - / 1241 / 16 / 417 K 2113 - / - / 1129 / 35 / - Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 2.6 K Brg Width = 3.5 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.

Lumber
Top chord: 2x4 SP #2; T5 2x4 SP M-31;
Bot chord: 2x4 SP #2; B3 2x4 SP M-31;
Webs: 2x4 SP #3;

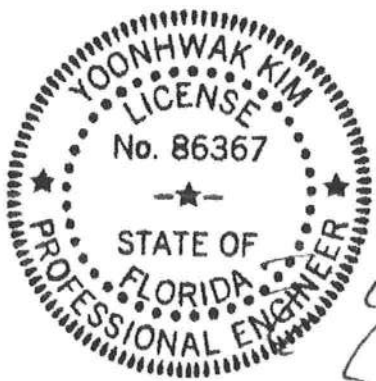
Bracing
(a) Continuous lateral restraint equally spaced on member.

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

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

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

Additional Notes
Refer to General Notes for additional information
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.
The overall height of this truss excluding overhang is 10'-6".



Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - S	2655 - 318	P - O	3369 - 370
S - R	2422 - 218	O - N	6373 - 999
R - Q	2135 - 107	N - M	6597 - 1144
Q - P	2375 - 115	M - K	6595 - 1142

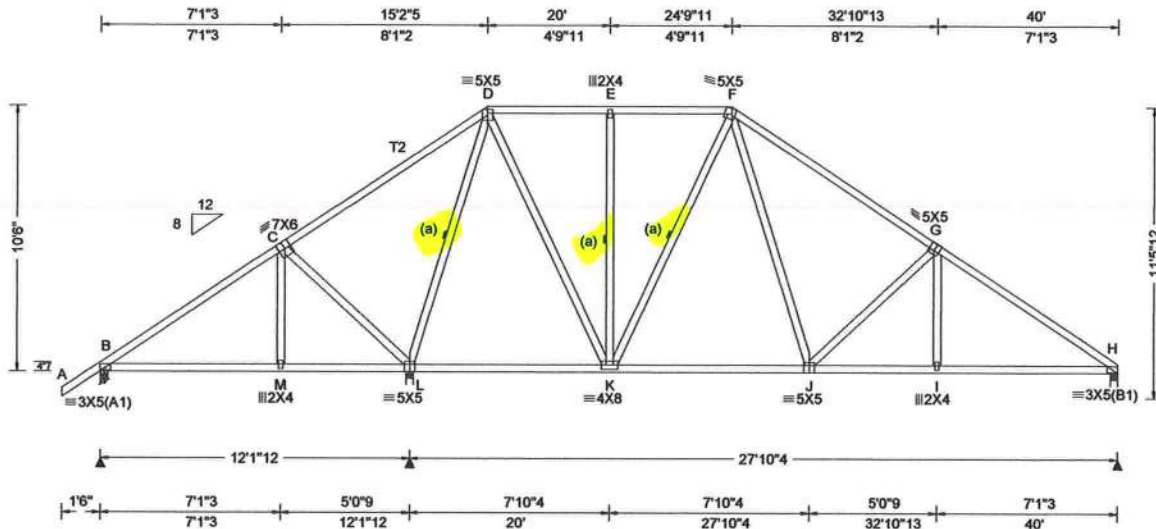
Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
S - D	391 - 81	P - H	378 - 1471
D - R	196 - 485	G - P	1298 - 261
E - R	651 - 139	H - O	1359 - 241
E - Q	511 - 141	O - I	673 - 3206

FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

****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: 318517 FROM: CDM	MONO Ply: 1 Qty: 1	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: A02	Cust: R 215 JRef: 1WV02150006 T31 Dwno: 150.20.1640.21023 / YK 05/29/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)																												
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	GravityNon-Gravity <table><tr><td>Loc</td><td>R+</td><td>/R-</td><td>/Rh</td><td>/Rw</td><td>/U</td><td>/RL</td></tr><tr><td>B</td><td>531</td><td>/-</td><td>/-</td><td>/288</td><td>/11</td><td>/396</td></tr><tr><td>L</td><td>1868</td><td>/-</td><td>/-</td><td>/1180</td><td>/-</td><td>/-</td></tr><tr><td>H</td><td>1123</td><td>/-</td><td>/-</td><td>/750</td><td>/10</td><td>/-</td></tr></table>	Loc	R+	/R-	/Rh	/Rw	/U	/RL	B	531	/-	/-	/288	/11	/396	L	1868	/-	/-	/1180	/-	/-	H	1123	/-	/-	/750	/10	/-
Loc	R+	/R-	/Rh	/Rw	/U	/RL																										
B	531	/-	/-	/288	/11	/396																										
L	1868	/-	/-	/1180	/-	/-																										
H	1123	/-	/-	/750	/10	/-																										
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.046 J 999 240																													
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.096 J 999 180																													
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.018 I - -																													
	EXP: C Kzt: NA		HORZ(TL): 0.037 I - -																													
Des Ld: 40.00	Mean Height: 16.20 ft		Creep Factor: 2.0	Wind reactions based on MWFRS																												
NCBCLL: 10.00	TCDL: 5.0 psf	Code / Misc Criteria	Max TC CSI: 0.777	B Brg Width = 3.5 Min Req = 1.5																												
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max BC CSI: 0.705	L Brg Width = 3.5 Min Req = 2.2																												
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max Web CSI: 0.811	H Brg Width = 3.5 Min Req = 1.5																												
Spacing: 24.0 "	C&C Dist a: 4.00 ft	Rep Fac: Yes		Bearings B, L, & H are a rigid surface.																												
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		Members not listed have forces less than 375#																												
	GCpi: 0.18	Plate Type(s):		Maximum Top Chord Forces Per Ply (lbs)																												
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15	<table><tr><td>Chords</td><td>Tens.Comp.</td><td>Chords</td><td>Tens.Comp.</td></tr><tr><td></td><td></td><td></td><td></td></tr></table>	Chords	Tens.Comp.	Chords	Tens.Comp.																								
Chords	Tens.Comp.	Chords	Tens.Comp.																													

Lumber

Top chord: 2x4 SP #2; T2 2x4 SP M-31;
 Bot chord: 2x4 SP #2;
 Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

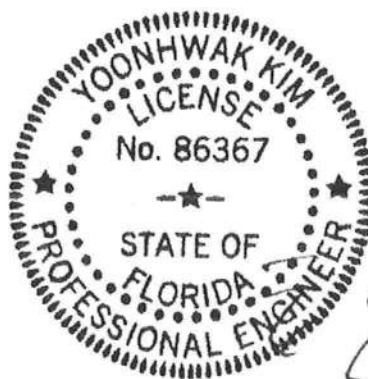
Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 10'-6-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
 05/29/2020

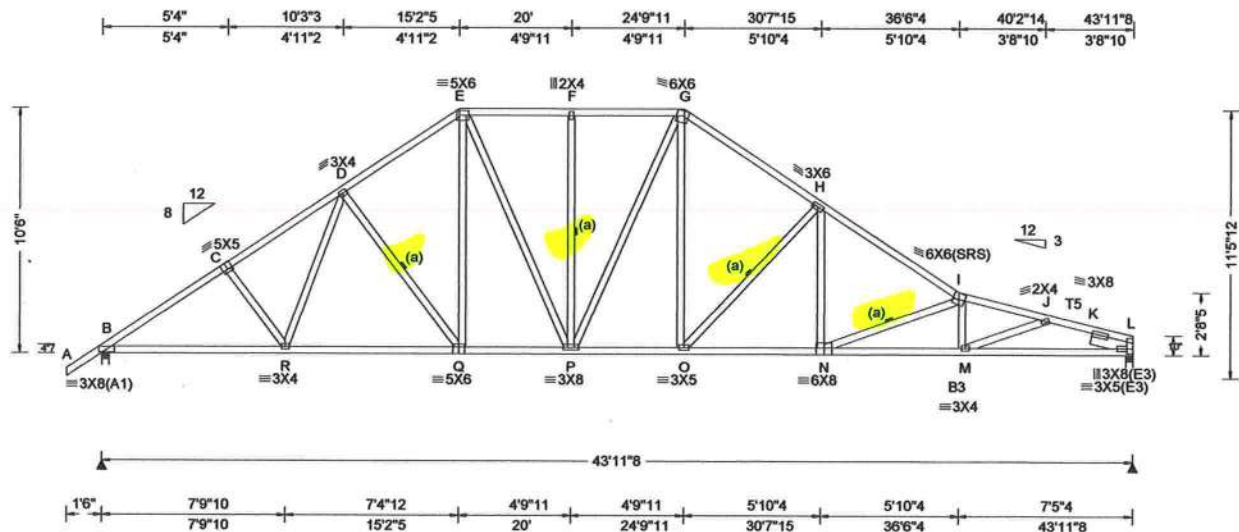
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety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

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

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

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

SEQN: 318518 FROM: CDM	SPEC Ply: 1 Qty: 2	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: A03	Cust: R 215 JRef: 1WVO2150006 T29 DrwNo: 150.20.1642.29040 / YK 05/29/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.327 N 999 240	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.634 N 829 180	B 2107 -/- /- /1199 /15 /401
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.106 E - -	L 1933 -/- /- /1025 /22 -/-
	EXP: C Kzt: NA		HORZ(TL): 0.205 E - -	Wind reactions based on MWFRS
Des Ld: 40.00	Mean Height: 16.54 ft		Creep Factor: 2.0	B Brg Width = 3.5 Min Req = 2.5
NCBCLL: 10.00	TCDL: 5.0 psf	Code / Misc Criteria	Max TC CSI: 0.603	L Brg Width = 3.5 Min Req = 1.6
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max BC CSI: 0.942	Bearings B & L are a rigid surface.
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max Web CSI: 0.606	Members not listed have forces less than 375#
Spacing: 24.0 "	C&C Dist a: 4.40 ft	Rep Fac: Yes		Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15	B - C 443 -3159 G - H 462 -2730

Lumber
 Top chord: 2x4 SP #2; T5 2x4 SP M-31;
 Bot chord: 2x4 SP #2; B3 2x4 SP M-31;
 Webs: 2x4 SP #3;
 Rt Slider: 2x6 SP 2400F-2.0E; block length = 1.807"

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.

Purlins
 In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

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

Additional Notes
 Refer to General Notes for additional information
 The overall height of this truss excluding overhang is 10'-6".



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - R	2539 - 324	O - N	2977 - 332
R - Q	2302 - 225	N - M	5126 - 801
Q - P	2015 - 114	M - L	4464 - 800
P - O	2178 - 111		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
R - D	394 - 81	G - O	1083 - 228
D - Q	196 - 487	H - N	1017 - 180
E - Q	652 - 139	N - I	502 - 2292
E - P	422 - 146	M - J	687 - 0
O - H	335 - 1183		

FL REG# 278, Yoonhwak Kim, FL PE #86367
 05/29/2020

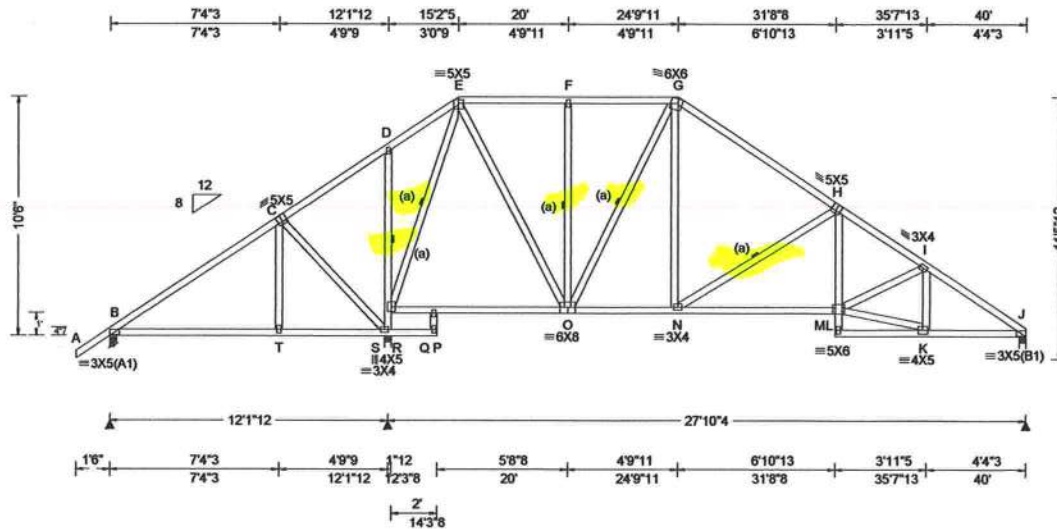
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety 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: 318519 FROM: CDM	MONO Ply: 1 Qty: 1	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: A04	Cust: R 215 JRef: 1WVO2150006 T27 DrwNo: 150.20.1642.45113 / YK 05/29/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.064 L 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.137 Q 999 180	B 579 -/- /307 /73 /362
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.019 K - -	S 1746 -/- /1239 -/-
	EXP: C Kzt: NA		HORZ(TL): 0.040 K - -	J 1159 -/- /799 /28 -/-
Des Ld: 40.00	Mean Height: 15.54 ft	Code / Misc Criteria	Creep Factor: 2.0	Wind reactions based on MWFRS
NCBCLL: 10.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.555	B Brg Width = 3.5 Min Req = 1.5
Soffit: 2.00	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.648	S Brg Width = 3.5 Min Req = 1.7
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.549	J Brg Width = 3.5 Min Req = 1.5
Spacing: 24.0 "	C&C Dist a: 4.00 ft	FT/RT:20(0)/10(0)		Bearings B, S, & J are a rigid surface.
	Loc. from endwall: not in 13.00 ft	Plate Type(s):		Members not listed have forces less than 375#
	GCpi: 0.18	WAVE	VIEW Ver: 19.02.02B.0122.15	Maximum Top Chord Forces Per Ply (lbs)
	Wind Duration: 1.60			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.

Plating Notes

All plates are 2X4 except as noted.

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Additional Notes

Refer to General Notes for additional information

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

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

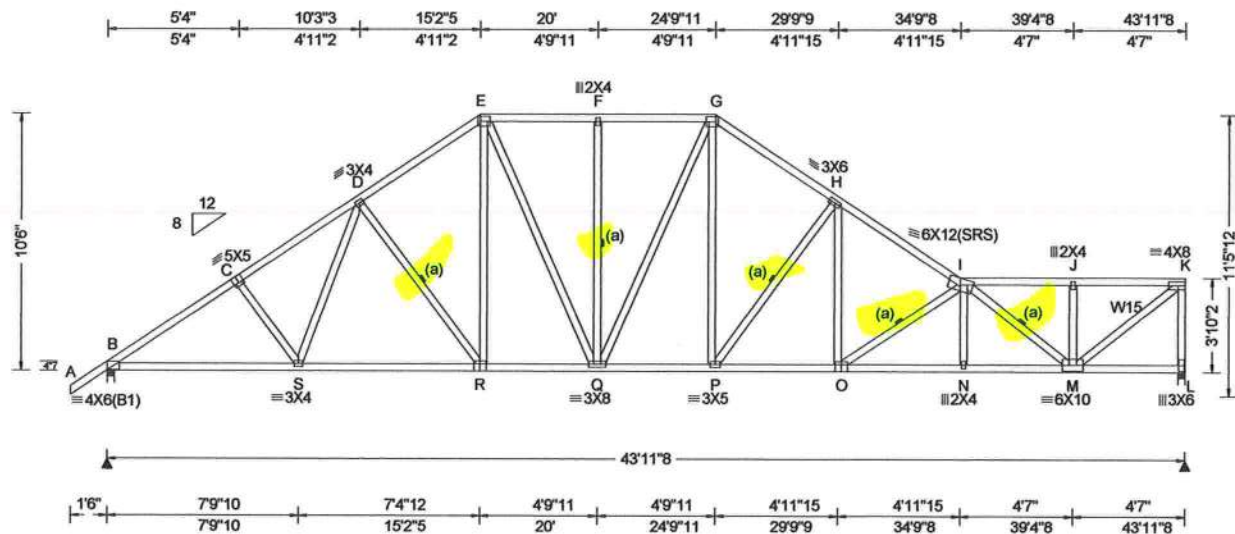
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 318520 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: A05	Cust: R 215 JRef: 1WV02150006 T32 DrwNo: 150.20.1642.47710 / YK 05/29/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.220 O 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.459 O 999 180	B 1959 /- /- /1214 /- /348
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.079 L - -	L 1839 /- /- /996 /58 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.164 L - -	Wind reactions based on MWFRS
NCBCLL: 10.00	Mean Height: 16.20 ft	Code / Misc Criteria	Creep Factor: 2.0	B Brg Width = 3.5 Min Req = 2.3
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.511	L Brg Width = 3.5 Min Req = 2.2
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.896	Bearings B & L are a rigid surface.
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.617	Members not listed have forces less than 375#
	C&C Dist a: 4.40 ft	FT/RT:20(0)/10(0)		Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: not in 13.00 ft	Plate Type(s):		Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	WAVE	VIEW Ver: 19.02.02B.0122.15	B - C 498 -2901 G - H 552 -2447
	Wind Duration: 1.60			

Lumber
 Top chord: 2x4 SP #2;
 Bot chord: 2x4 SP #2;
 Webs: 2x4 SP #3; W15 2x4 SP #2;

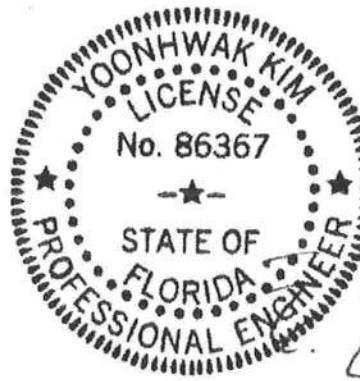
Bracing
 (a) Continuous lateral restraint equally spaced on member.

Plating Notes
 All plates are 5X6 except as noted.

Purlins
 In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

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

Additional Notes
 Refer to General Notes for additional information
 The overall height of this truss excluding overhang is 10-6-0.

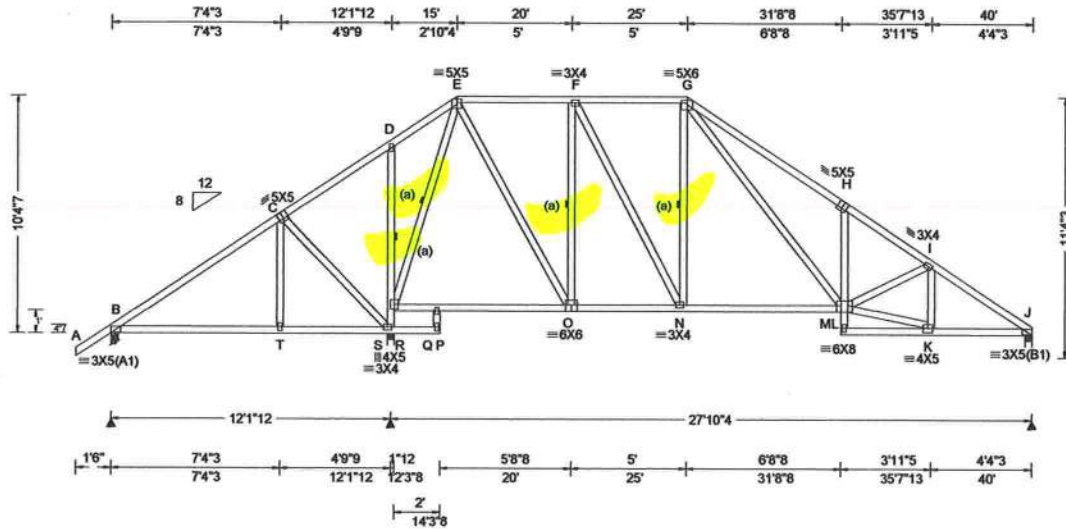


FL REG# 278, Yoonhwak Kim, FL PE #86367
 05/29/2020

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

SEQN: 318521 FROM: CDM	MONO Ply: 1 Qty: 1	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: A06	Cust: R 215 JRef: 1WVO2150006 T46 DrwNo: 150.20.1642.49403 / YK 05/29/2020
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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: 4.00 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 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): 0.078 H 999 240 VERT(CL): 0.163 H 999 180 HORZ(LL): -0.020 H - - HORZ(TL): 0.042 H - - Creep Factor: 2.0 Max TC CSI: 0.688 Max BC CSI: 0.555 Max Web CSI: 0.852 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 579 - / - / - / 287 / 60 / 329 S 1747 - / - / - / 1173 / 42 / - J 1159 - / - / - / 779 / 60 / - Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 S Brg Width = 3.5 Min Req = 1.7 J Brg Width = 3.5 Min Req = 1.5 Bearings B, 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.

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.

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

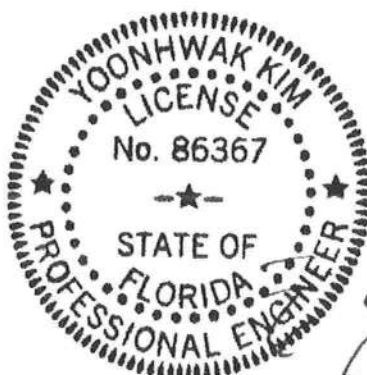
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

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

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

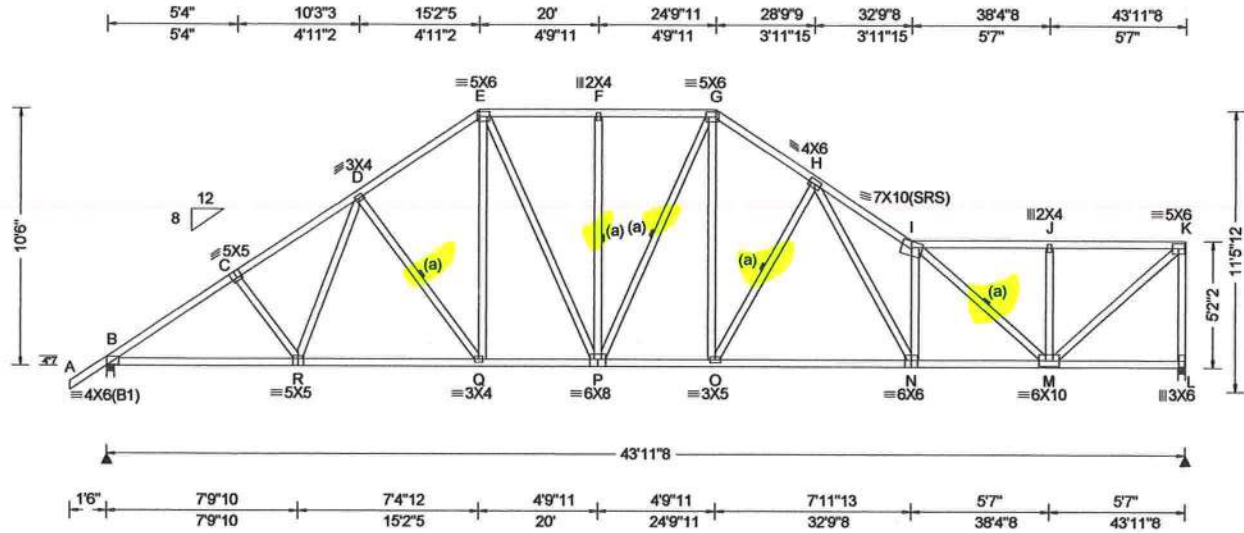
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 318522 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: A07	Cust: R 215 JRef: 1WVO2150006 T33 DrwNo: 150.20.1643.06060 / YK 05/29/2020
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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)							
TCLL: 20.00		Wind Std: ASCE 7-10		Pg: NA Ct: NA CAT: NA		PP Deflection in loc L/defl L/#		Gravity			Non-Gravity				
TCDL: 10.00		Speed: 130 mph		Pf: NA Ce: NA		VERT(LL): 0.202 I 999 240		Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
BCLL: 0.00		Enclosure: Closed		Lu: NA Cs: NA		VERT(CL): 0.421 I 999 180		B	1959	/-	/-	/1226	/-	/299	
BCDL: 10.00		Risk Category: II		Snow Duration: NA		HORZ(LL): 0.069 M - -		L	1839	/-	/-	/971	/78	/-	
Des Ld: 40.00		EXP: C Kzt: NA		Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE		HORZ(TL): 0.145 M - -		Wind reactions based on MWFRS							
NCBCLL: 10.00		Mean Height: 15.54 ft				Creep Factor: 2.0		B Brg Width = 3.5		Min Req = 2.3					
Soffit: 2.00		TCDL: 5.0 psf				Max TC CSI: 0.519		L Brg Width = 3.5		Min Req = 2.2					
Load Duration: 1.25		BCDL: 5.0 psf				Max BC CSI: 0.886		Bearings B & L are a rigid surface.							
Spacing: 24.0 "		MWFRS Parallel Dist: h to 2h				Max Web CSI: 0.956		Members not listed have forces less than 375#							
		C&C Dist a: 4.40 ft						Maximum Top Chord Forces Per Ply (lbs)							
		Loc. from endwall: not in 13.00 ft													
		GCpi: 0.18													
		Wind Duration: 1.60													
								VIEW Ver: 19.02.02B.0122.15							
										B - C		406 -2900		G - H 453 -2433	

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 10-6-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens. Comp.	Chords	Tens. Comp.
B - R	2326 - 411	P - O	1961 - 221
R - Q	2085 - 315	O - N	2435 - 368
Q - P	1797 - 201	N - M	3163 - 527

Maximum Web Forces Per Ply (lbs)

Webs	Tens. Comp.	Webs	Tens. Comp.
R - D	390 - 76	H - N	1568 - 342
D - Q	194 - 487	I - N	326 - 1255
E - Q	541 - 136	I - M	233 - 1693
E - P	398 - 96	M - K	2509 - 467
G - O	1017 - 248	J - M	173 - 422
O - H	308 - 990	K - L	378 - 1791

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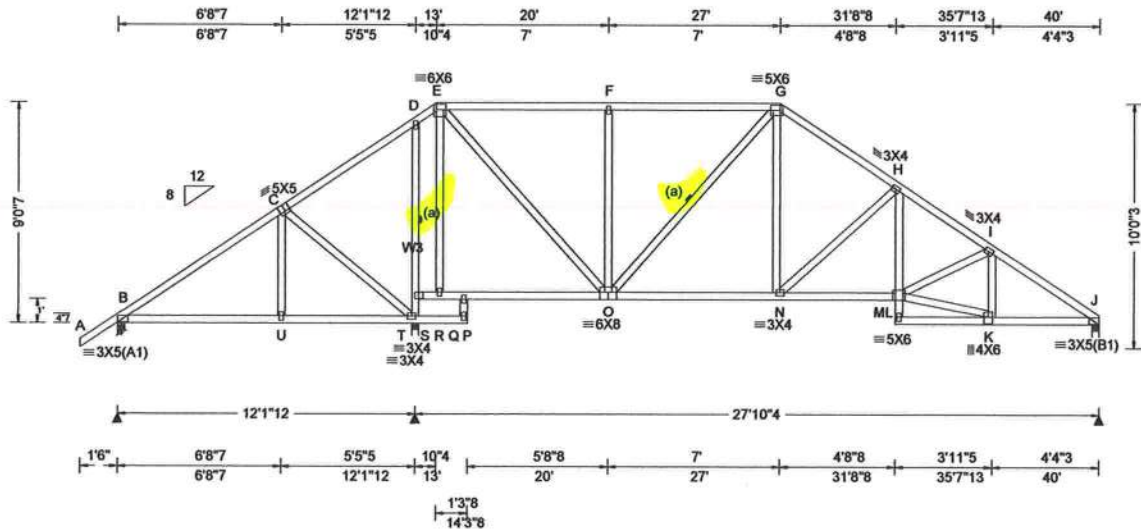
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 318523 FROM: CDM	MONO Ply: 1 Qty: 1	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: A08	Cust: R 215 JRef: 1WV02150006 T44 DrwNo: 150.20.1642.57363 / YK 05/29/2020
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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: 4.00 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 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): 0.144 P 999 240 VERT(CL): 0.312 P 999 180 HORZ(LL): 0.089 K - - HORZ(TL): 0.192 K - - Creep Factor: 2.0 Max TC CSI: 0.980 Max BC CSI: 0.755 Max Web CSI: 0.724 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 699 - / - / - / 377 / 51 / 290 T 1550 - / - / - / 1007 / 102 / - J 1222 - / - / - / 797 / 79 / - Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 T Brg Width = 3.5 Min Req = 1.5 J Brg Width = 3.5 Min Req = 1.5 Bearings B, T, & 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; W3 2x4 SP #2;

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

Plating Notes
All plates are 2X4 except as noted.

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

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

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 9-0-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

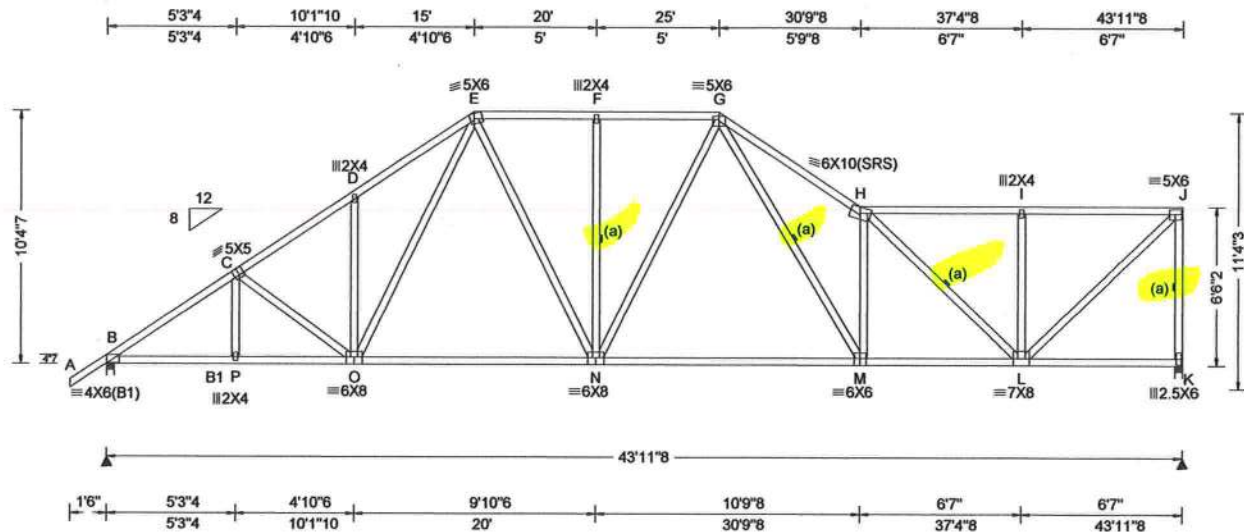
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 318524 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: A09	Cust: R 215 JRef: 1WVO2150006 T34 DrwNo: 150.20.1642.59987 / YK 05/29/2020
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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: 4.40 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 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): 0.182 H 999 240 VERT(CL): 0.380 H 999 180 HORZ(LL): 0.060 D - - HORZ(TL): 0.125 D - - Creep Factor: 2.0 Max TC CSI: 0.677 Max BC CSI: 0.878 Max Web CSI: 0.939 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1959 /- /- /1207 /57 /250 K 1839 /- /- /940 /169 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 2.3 K Brg Width = 3.5 Min Req = 1.5 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 652 -2898 F - G 644 -2011 C - D 663 -2613 G - H 979 -3430 D - E 793 -2622 H - I 455 -1712 E - F 643 -2011 I - J 454 -1711

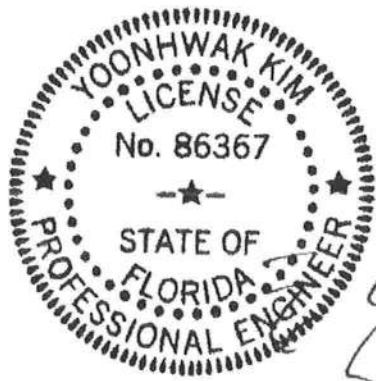
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31; B1 2x4 SP #2;
Webs: 2x4 SP #3;

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

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

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

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 10-4-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

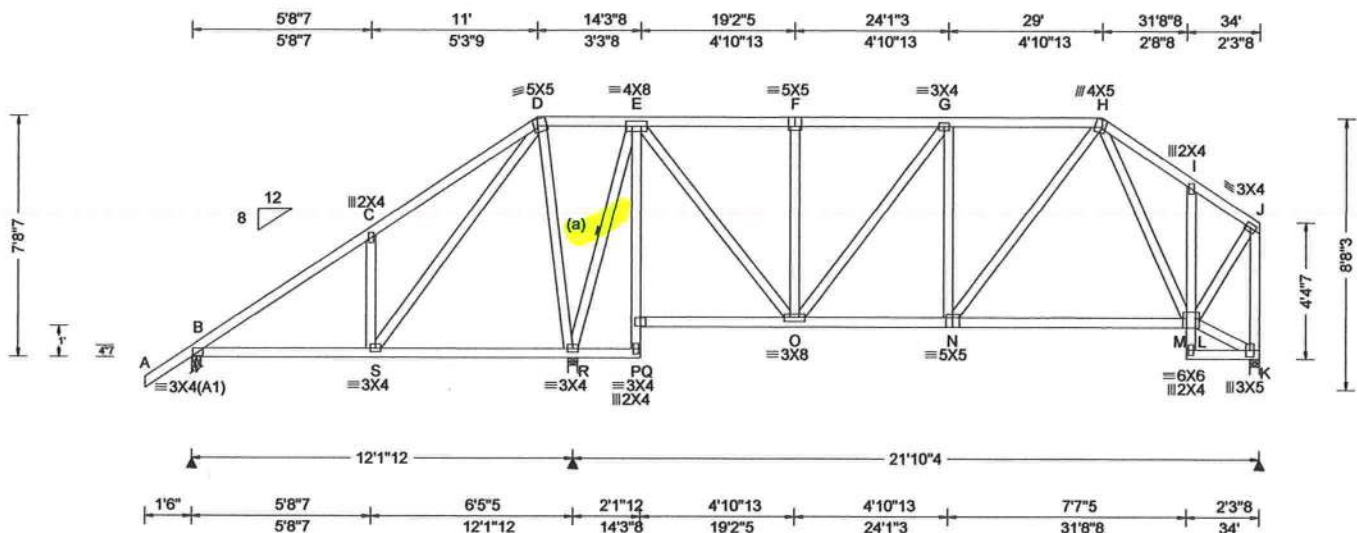
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 318525 FROM: CDM	HIPS Qty: 1	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: A10	Cust: R215 JRef: 1WVO2150006 T26 DrwNo: 150.20.1643.09017 / YK 05/29/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)	
	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity LocR+ / R- / Rh Non-Gravity / Rw / U / RL	
	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.020 G 999 240	B 526 -/ - -/318 -/ - -/190	
	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.042 G 999 180	R 1691 -/ - -/973 178 / -	
	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.007 L - -	K 825 -/ - -/484 139 / -	
Des Ld: 40.00	EXP: C Kzt: NA	Code / Misc Criteria	HORZ(TL): 0.018 L - -	Wind reactions based on MWFRS	
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	B Brg Width = 3.5 Min Req = 1.5	
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.395	R Brg Width = 3.5 Min Req = 1.6	
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.578	K Brg Width = 3.5 Min Req = 1.5	
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h		Max Web CSI: 0.654	Bearings B, R, & K are a rigid surface.	
	C&C Dist a: 3.40 ft			Members not listed have forces less than 375#	
	Loc. from endwall: not in 9.00 ft			Maximum Top Chord Forces Per Ply (lbs)	
	GCpi: 0.18			Chords Tens.Comp. Chords Tens. Comp.	
	Wind Duration: 1.60				

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 7'-8".



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

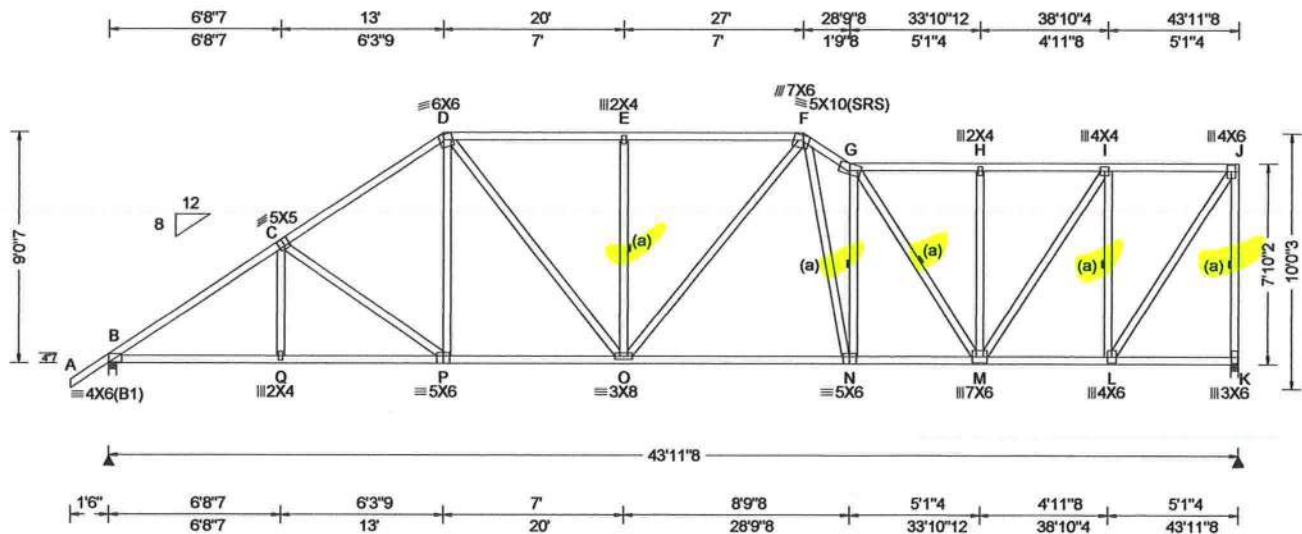
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 318526 FROM: CDM	SPEC Qty: 1	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: A11	Cust: R215 JRef: 1WVO2150006 T39 DrwNo: 150.20.1643.12083 / YK 05/29/2020
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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: 4.40 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 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): 0.170 G 999 240 VERT(CL): 0.356 G 999 180 HORZ(LL): 0.063 L - - HORZ(TL): 0.132 L - - Creep Factor: 2.0 Max TC CSI: 0.692 Max BC CSI: 0.959 Max Web CSI: 0.834 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1959 /- /- /1205 /320 /243 K 1839 /- /- /939 /348 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 2.3 K Brg Width = 3.5 Min Req = 2.2 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 659 -2882 F - G 815 -2908 C - D 656 -2441 G - H 521 -1908 D - E 692 -2326 H - I 521 -1907 E - F 692 -2326 I - J 298 -1091

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 9'-0"-7".



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - Q	2298 -700	O - N	2204 -616
Q - P	2296 -701	N - M	2433 -668
P - O	1939 -560	M - L	1151 -317

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - P	174 -443	G - M	263 -937
D - P	455 -85	M - I	1408 -394
D - O	618 -149	I - L	473 -1545
E - O	188 -465	L - J	1988 -543
F - N	1137 -301	J - K	522 -1800
G - N	320 -962		

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

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

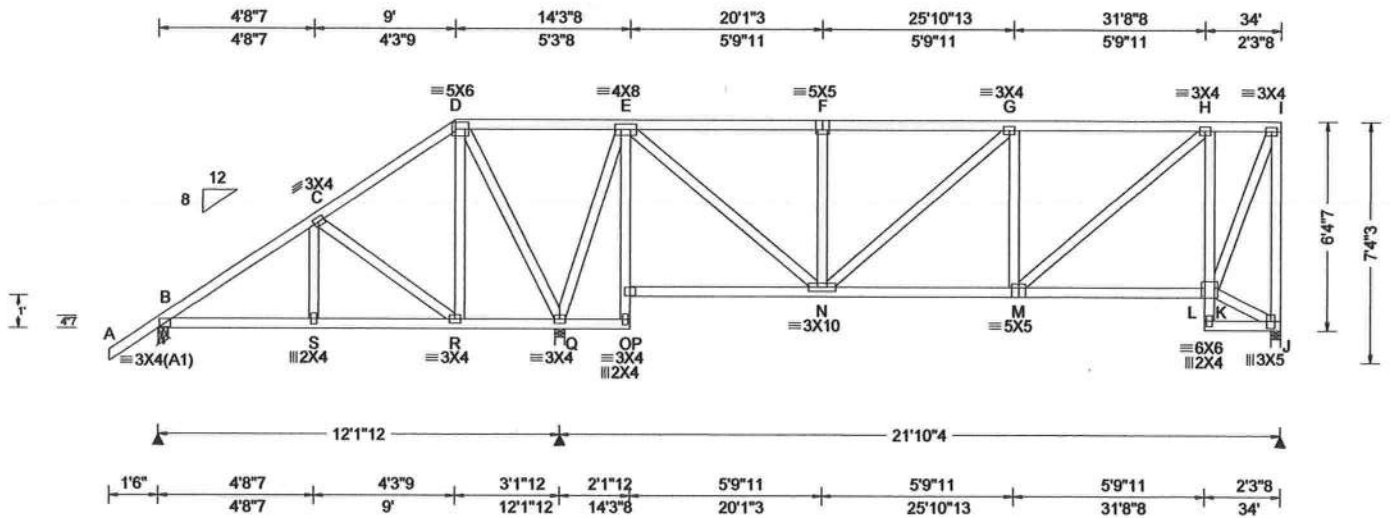
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 318527 FROM: CDM	HIPM Qty: 1	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: A12	Cust: R 215 JRef: 1WVO2150006 T24 DrwNo: 150.20.1643.13927 / YK 05/29/2020
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Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.40 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.028 G 999 240 VERT(CL): 0.060 G 999 180 HORZ(LL): 0.007 J - - HORZ(TL): 0.016 J - - Creep Factor: 2.0 Max TC CSI: 0.615 Max BC CSI: 0.472 Max Web CSI: 0.881 VIEW Ver: 19.02.02B.0122.15	Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 518 /- /- /347 /30 /200 Q 1718 /- /- /912 /349 /- J 816 /- /- /396 /148 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 Q Brg Width = 3.5 Min Req = 1.7 J Brg Width = 3.5 Min Req = 1.5 Bearings B, Q, & 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 49 -455 F - G 162 -679 D - E 392 -101 G - H 194 -791 E - F 162 -679
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Lumber

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

Purlins

In lieu of structural panels use purlins to brace all flat
TC @ 24" oc.

Wind

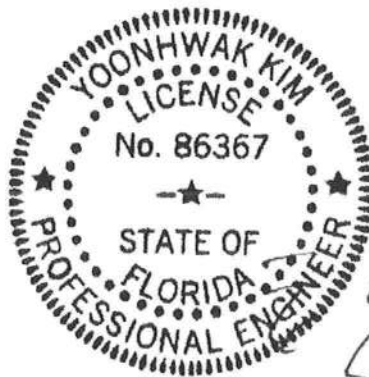
Wind loads based on MWFRS with additional C&C
member design.

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is
6-4-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

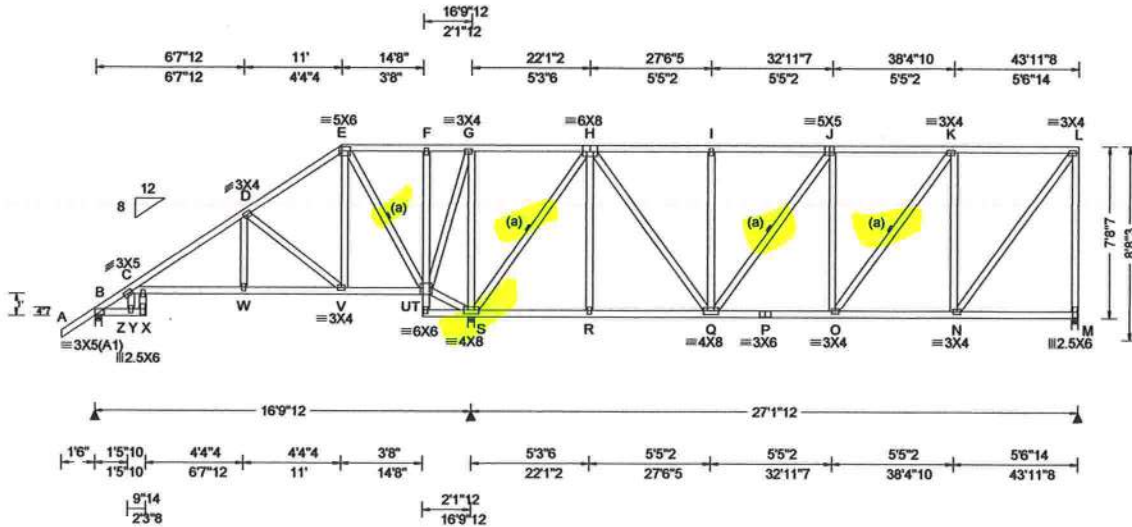
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 318528 FROM: CDM	HIPM Qty: 1	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: A13	Cust: R 215 JRef: 1WV02150006 T21 DrwNo: 150.20.1643.15763 / YK 05/29/2020
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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: 4.40 ft Loc. from endwall: not in 6.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.057 X 999 240 VERT(CL): 0.147 X 999 180 HORZ(LL): 0.030 N - - HORZ(TL): 0.074 T - - Creep Factor: 2.0 Max TC CSI: 0.641 Max BC CSI: 0.378 Max Web CSI: 0.965 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 373 - / - / 243 - / 238 S 2636 - / - / 1523 / 591 - M 949 - / - / 447 / 161 - Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 S Brg Width = 3.5 Min Req = 2.7 M Brg Width = 3.5 Min Req = 1.5 Bearings B, S, & M 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.

Plating Notes

All plates are 2X4 except as noted.

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 7'-8-7".



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
V - T	129 -452	Q - P	745 -117
S - R	130 -454	P - O	745 -117
R - Q	130 -454	O - N	581 -110

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
D - V	182 -460	S - H	404 -1510
E - V	387 -99	H - Q	959 -269
E - T	365 -1033	Q - J	131 -387
T - G	477 -152	K - N	162 -638
T - S	415 -1244	N - L	941 -176
G - S	241 -674	L - M	214 -905

FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

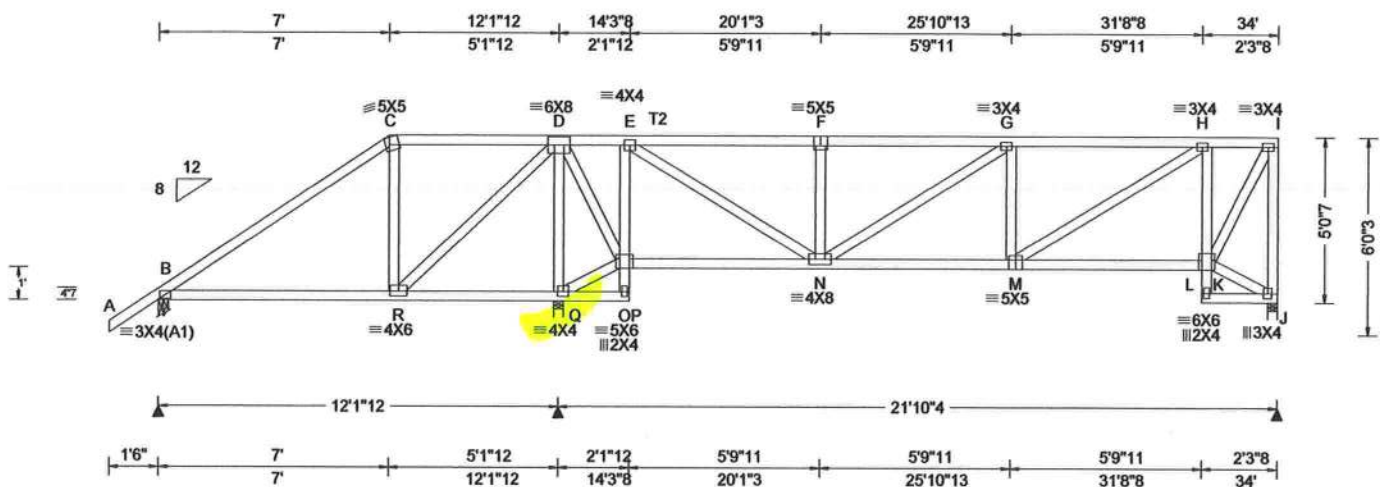
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.40 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): 0.038 G 999 240 VERT(CL): 0.077 G 999 180 HORZ(LL): 0.016 J - - HORZ(TL): 0.034 J - - Creep Factor: 2.0 Max TC CSI: 0.569 Max BC CSI: 0.738 Max Web CSI: 0.961 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 942 /- /- /- /184 /- Q 2805 /- /- /- /570 /- J 753 /- /- /- /136 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 Q Brg Width = 3.5 Min Req = 2.9 J Brg Width = 3.5 Min Req = 1.5 Bearings B, Q, & 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; T2 2x4 SP M-31;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Special Loads

—(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 64 plf at -1.50 to 64 plf at 7.00
TC: From 32 plf at 7.00 to 32 plf at 11.06
TC: From 64 plf at 11.06 to 64 plf at 34.00
BC: From 5 plf at -1.50 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 11.06
BC: From 20 plf at 11.06 to 20 plf at 34.00
TC: 451 lb Conc. Load at 7.03
TC: 193 lb Conc. Load at 9.06,11.06
BC: 506 lb Conc. Load at 7.03
BC: 131 lb Conc. Load at 9.06,11.06

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 5-0-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

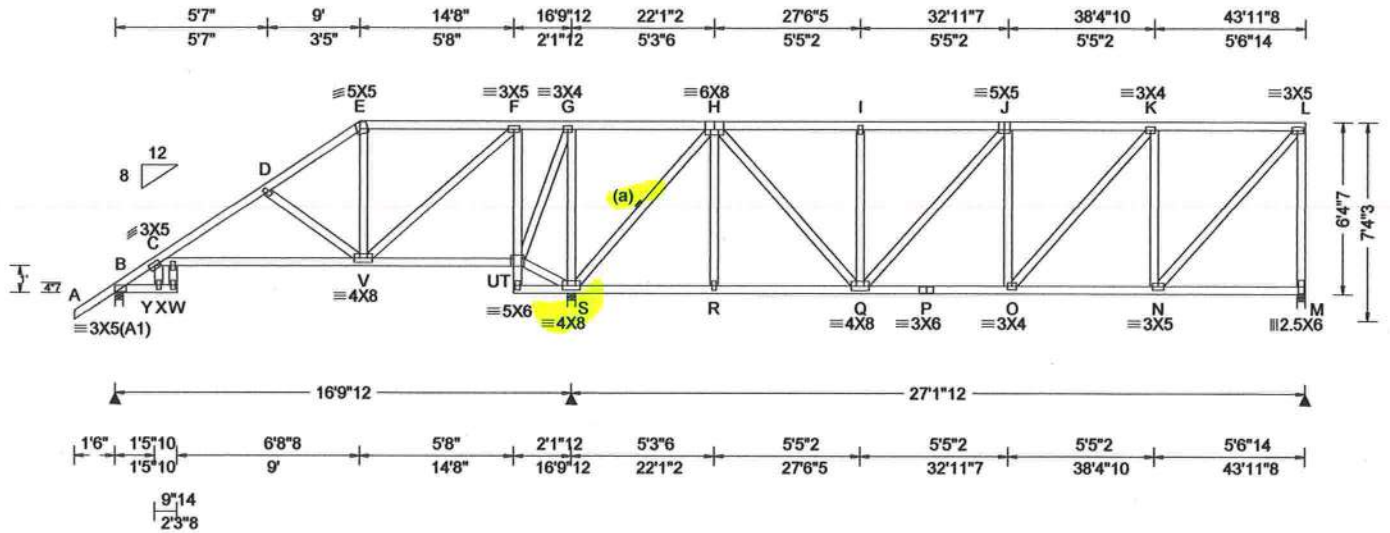
Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - R	820 -138	N - M	954 -172
R - Q	110 -619	M - K	464 -92
O - N	78 -396		

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
C - R	274 -476	E - N	1275 -228
R - D	1732 -323	M - H	571 -86
D - Q	502 -2120	H - K	174 -633
D - O	520 -83	K - I	838 -163
Q - O	155 -803	I - J	144 -727
O - E	194 -891		

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

SEQN: 318530 FROM: CDM	HIPM Qty: 1	Ply: 1 Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: A15	Cust: R215 JRef: 1WVO2150006 T42 DrwNo: 150.20.1643.18913 / YK 05/29/2020
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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: 4.40 ft Loc. from endwall: not in 6.50 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/def L/# VERT(LL): 0.080 W 999 240 VERT(CL): 0.200 W 999 180 HORZ(LL): 0.037 V - - HORZ(TL): 0.094 V - - Creep Factor: 2.0 Max TC CSI: 0.666 Max BC CSI: 0.551 Max Web CSI: 0.657 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 421 /- /- /266 /4 /200 S 2567 /- /- /1438 /533 /- M 954 /- /- /436 /171 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 S Brg Width = 3.5 Min Req = 2.7 M Brg Width = 3.5 Min Req = 1.5 Bearings B, S, & M 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.

Plating Notes

All plates are 2X4 except as noted.

Purlins

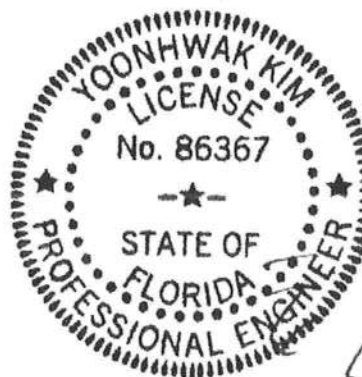
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 6-4-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.
V - T 320 - 1050 Q - P 917 - 170
S - R 162 - 447 P - O 917 - 170
R - Q 162 - 447 O - N 713 - 149

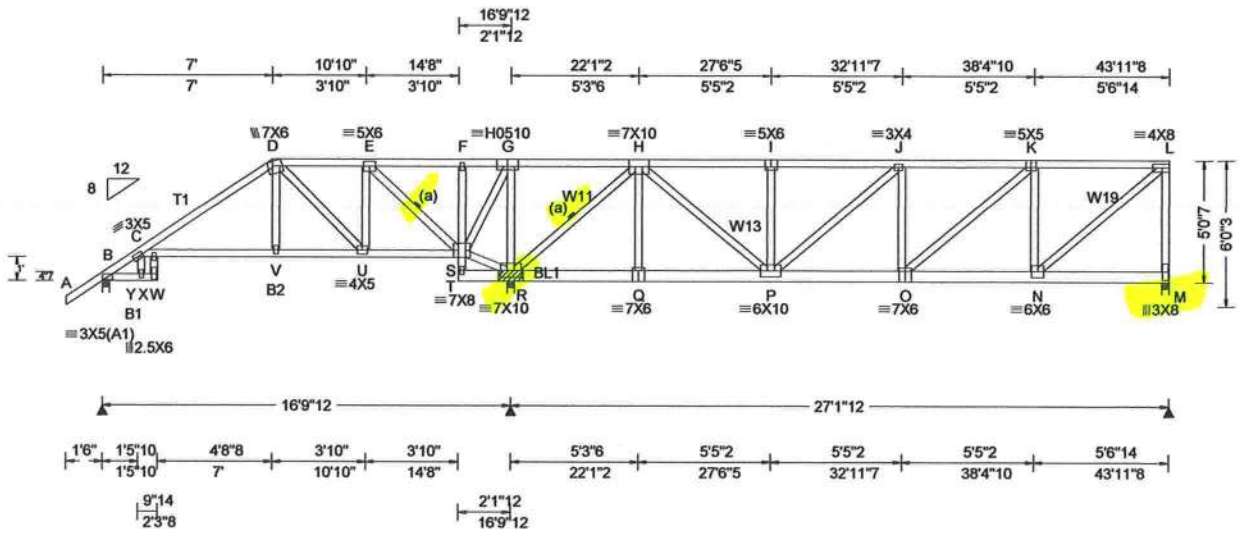
Maximum Web Forces Per Ply (lbs)
Webs Tens.Comp. Webs Tens. Comp.
E - V 162 - 404 S - H 416 - 1596
V - F 1148 - 371 H - Q 1001 - 270
F - T 348 - 1044 Q - J 120 - 382
T - G 435 - 138 K - N 178 - 643
T - S 426 - 1380 N - L 1024 - 211
G - S 201 - 560 L - M 230 - 910

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6750 Forum Drive
Suite 305
Orlando FL, 32821



Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg. Pf in PSF)		Defl/CSI Criteria		Maximum Reactions (lbs)	
TCLL: 20.00		Wind Std: ASCE 7-10		Pg: NA Ct: NA CAT: NA		PP Deflection in loc L/def L/#		Gravity	Non-Gravity
TCDL: 10.00		Speed: 130 mph		PF: NA Ce: NA		VERT(LL): 0.147 W 999 240		Loc R+ / R- / Rh	/ Rw / U / RL
BCLL: 0.00		Enclosure: Closed		Lu: NA Cs: NA		VERT(CL): 0.311 W 642 180		B 677 /- /- /- /144 /-	
BCDL: 10.00		Risk Category: II		Snow Duration: NA		HORZ(LL): 0.080 H - -		R 6169 /- /- /- /1475 /-	
Des Ld: 40.00		EXP: C Kzt: NA				HORZ(TL): 0.165 H - -		M 2361 /- /- /- /584 /-	
NCBCLL: 10.00		Mean Height: 15.00 ft				Creep Factor: 2.0		Wind reactions based on MWFRS	
Soffit: 2.00		TCDL: 5.0 psf				Max TC CSI: 0.864		B Brg Width = 3.5	Min Req = 1.5
Load Duration: 1.25		BCDL: 5.0 psf				Max BC CSI: 0.858		R Brg Width = 3.5	Min Req = -
Spacing: 24.0"		MWFRS Parallel Dist: 0 to h/2				Max Web CSI: 0.991		M Brg Width = 3.5	Min Req = 2.0
		C&C Dist a: 4.40 ft						Bearings B, R, & M are a rigid surface.	
		Loc. from endwall: not in 6.50 ft						Members not listed have forces less than 375#	
		GCpi: 0.18						Maximum Top Chord Forces Per Ply (lbs)	
		Wind Duration: 1.60						Chords	Tens. Comp.
								Chords	Tens. Comp.

Lumber
Top chord: 2x4 SP M-31; T1 2x4 SP #2;
Bot chord: 2x6 SP 2400f-2.0E; B1 2x4 SP #2;
B2 2x4 SP M-31;
Webs: 2x4 SP #3; W11, W13, W19 2x4 SP #2;

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

Special Loads
(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 64 plf at -1.50 to 64 plf at 7.00
TC: From 32 plf at 7.00 to 32 plf at 40.94
TC: From 64 plf at 40.94 to 64 plf at 43.96
BC: From 5 plf at -1.50 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 40.94
BC: From 20 plf at 40.94 to 20 plf at 43.96
TC: 611 lb Conc. Load at 7.03
TC: 207 lb Conc. Load at 9.06, 11.06, 13.06
TC: 193 lb Conc. Load at 15.06, 17.06, 19.06, 20.94
22.94, 24.94, 26.94, 28.94, 30.94, 32.94, 34.94, 36.94
38.94, 40.94, 42.94
BC: 337 lb Conc. Load at 7.03
BC: 107 lb Conc. Load at 9.06, 11.06, 13.06
BC: 131 lb Conc. Load at 15.06, 17.06, 19.06, 20.94
22.94, 24.94, 26.94, 28.94, 30.94, 32.94, 34.94, 36.94
38.94, 40.94, 42.94

Plating Notes
All plates are 2X4 except as noted.

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

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

Bearing Block(s)
Brg blocks: 0.131"x3", min. nails
Brg x-loc #blocks length min. 12" min. 1" nail plate
2 16.667" 1 Right Surface
Brg block to be same size and species as chord.
Refer to drawing CNA1589-1012 for more information.



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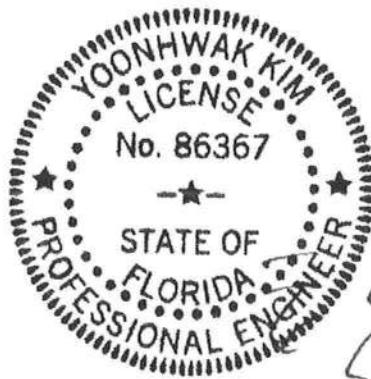
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Suite 305
Orlando FL, 32821

SEQN: 318531 FROM: CDM Page 2 of 2	HIPM Ply: 1 Qty: 1	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: A17	Cust: R215 JRef: 1WVO2150006 T15 DrwNo: 150.20.1643.26260 / YK 05/29/2020
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Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 5-0-7.



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05/29/2020

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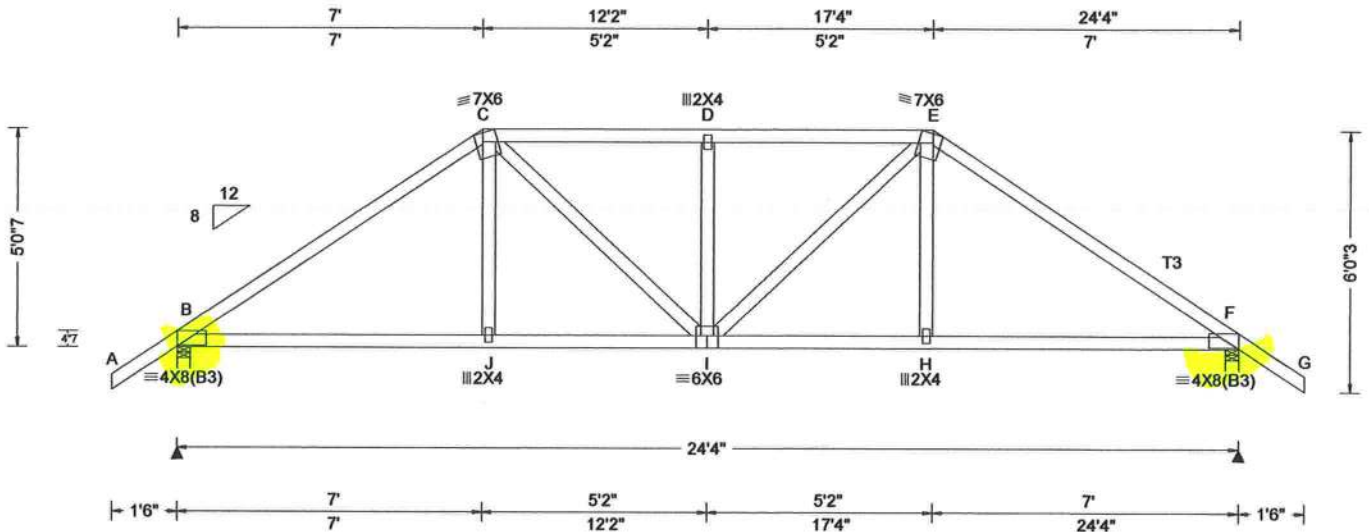
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Suite 305
Orlando FL, 32821

SEQN: 318532 FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: B01	Cust: R215 JRef: 1WVO2150006 T5 DrwNo: 150.20.1643.29807 / YK 05/29/2020
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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 GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.126 D 999 240 VERT(CL): 0.253 D 999 180 HORZ(LL): 0.052 H - - HORZ(TL): 0.104 H - - Creep Factor: 2.0 Max TC CSI: 0.942 Max BC CSI: 0.535 Max Web CSI: 0.387 VIEW Ver: 19.02.02B.0122.15	Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 2674 /- /- /- /588 /- F 2674 /- /- /- /588 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 2.2 F Brg Width = 3.5 Min Req = 2.2 Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 913 -4110 D - E 919 -4078 C - D 919 -4078 E - F 912 -4107

Lumber

Top chord: 2x4 SP M-31; T3 2x4 SP #2;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3;

Special Loads

—(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 64 plf at -1.50 to 64 plf at 7.00
TC: From 32 plf at 7.00 to 32 plf at 17.33
TC: From 64 plf at 17.33 to 64 plf at 25.83
BC: From 5 plf at -1.50 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 17.30
BC: From 20 plf at 17.30 to 20 plf at 24.33
BC: From 5 plf at 24.33 to 5 plf at 25.83
TC: 451 lb Conc. Load at 7.03,17.30
TC: 193 lb Conc. Load at 9.06,11.06,12.17,13.27
15.27
BC: 506 lb Conc. Load at 7.03,17.30
BC: 131 lb Conc. Load at 9.06,11.06,12.17,13.27
15.27

Purlins

In lieu of structural panels use purlins to brace all flat
TC @ 24" oc.

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
5-0-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - J	3307 -717	I - H	3326 -714
J - I	3328 -715	H - F	3306 -716

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - J	663 0	I - E	1017 -277
C - I	1014 -276	H - E	657 0
D - I	375 -848		

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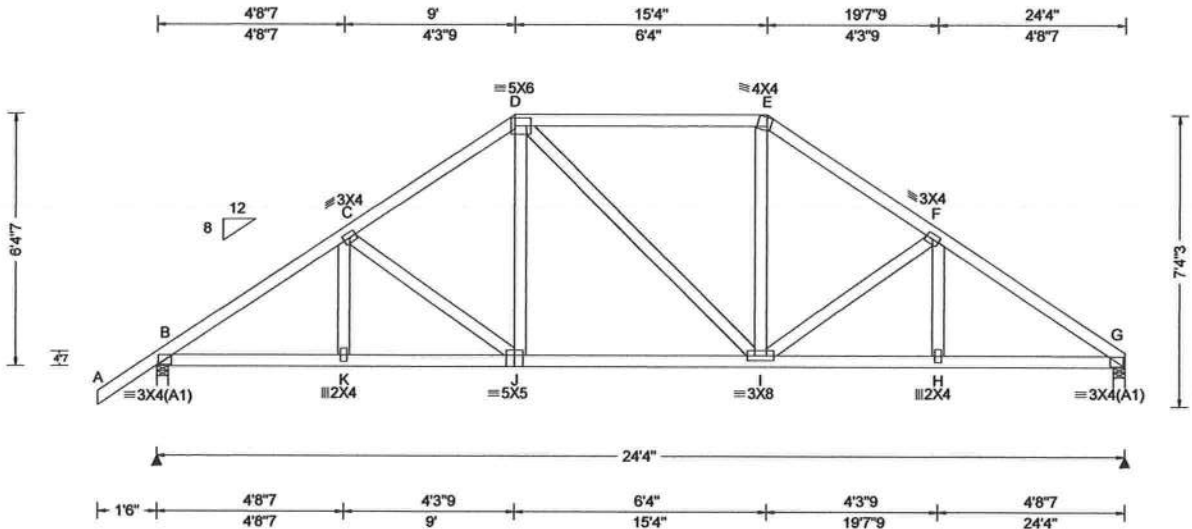
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6750 Forum Drive
Suite 305
Orlando FL, 32811

SEQN: 318533 FROM: CDM	HIPS Ply: 1 Qty: 1	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: B02	Cust R215 JRef: 1WVO2150006 T1 DrwNo: 150.20.1643.31837 / YK 05/29/2020
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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)					
TCLL: 20.00		Wind Std: ASCE 7-10		Pg: NA Ct: NA CAT: NA		PP Deflection in loc L/defl L/#		Gravity			Non-Gravity		
TCDL: 10.00		Speed: 130 mph		Pf: NA Ce: NA		VERT(LL): 0.041 J 999 240		Loc	R+	/ R-	/ Rh	/ Rw	/ U / RL
BCLL: 0.00		Enclosure: Closed		Lu: NA Cs: NA		VERT(CL): 0.085 J 999 180		B	1130	/-	/-	/689	/193 /200
BCDL: 10.00		Risk Category: II		Snow Duration: NA		HORZ(LL): 0.021 H - -		G	1019	/-	/-	/597	/165 /-
Des Ld: 40.00		EXP: C Kzt: NA		Code / Misc Criteria		HORZ(TL): 0.043 H - -		Wind reactions based on MWFRS					
NCBCLL: 10.00		Mean Height: 15.00 ft				Creep Factor: 2.0		B Brg Width = 3.5			Min Req = 1.5		
Soffit: 2.00		TCDL: 5.0 psf		Bldg Code: FBC 2017 RES		Max TC CSI: 0.493		G Brg Width = 3.5			Min Req = 1.5		
Load Duration: 1.25		BCDL: 5.0 psf		TPI Std: 2014		Max BC CSI: 0.474		Bearings B & G are a rigid surface.					
Spacing: 24.0 "		MWFRS Parallel Dist: h/2 to h		Rep Fac: Yes		Max Web CSI: 0.165		Members not listed have forces less than 375#					
		C&C Dist a: 3.00 ft		FT/RT: 20(0)/10(0)		VIEW Ver: 19.02.02B.0122.15		Maximum Top Chord Forces Per Ply (lbs)					
		Loc. from endwall: not in 9.00 ft		Plate Type(s):				Chords Tens.Comp.			Chords Tens. Comp.		
		GCpi: 0.18		WAVE				B - C	341	-1487	E - F	351	-1215
		Wind Duration: 1.60						C - D	344	-1214	F - G	359	-1510
								D - E	325	-962			

Lumber

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

Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

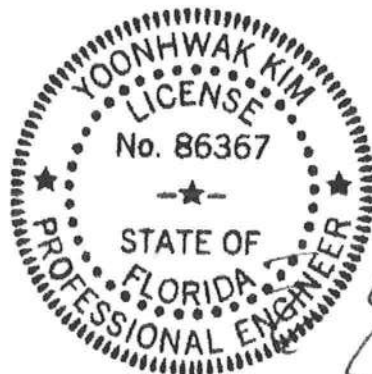
Wind

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 6-4-7.



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05/29/2020

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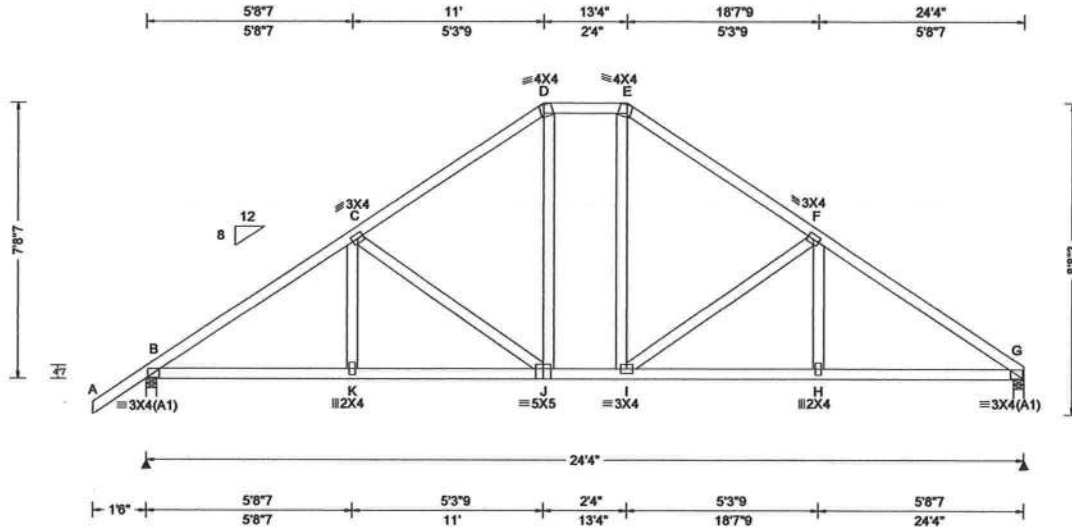
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 318534 FROM: CDM	HIPS Qty: 1	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: B03	Cust: R215 JRef: 1WVO2150006 T12 DrwNo: 150.20.1643.33303 / YK 05/29/2020
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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): 0.040 I 999 240 VERT(CL): 0.112 I 999 180 HORZ(LL): 0.021 H - - HORZ(TL): 0.046 D - - Creep Factor: 2.0 Max TC CSI: 0.366 Max BC CSI: 0.467 Max Web CSI: 0.395 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1130 /- /- /693 /189 /237 G 1019 /- /- /601 /161 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 G Brg Width = 3.5 Min Req = 1.5 Bearings B & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 319 -1476 E - F 323 -1092 C - D 313 -1090 F - G 334 -1493 D - E 302 -822

Lumber

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

Purlins

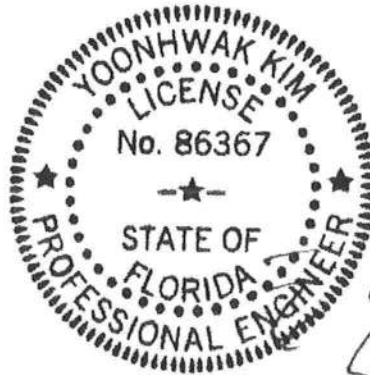
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

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 7-8-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - K	1147 -193	I - H	1165 -196
K - J	1146 -194	H - G	1167 -196
J - I	822 -69		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - J	156 -443	I - F	166 -468

****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.

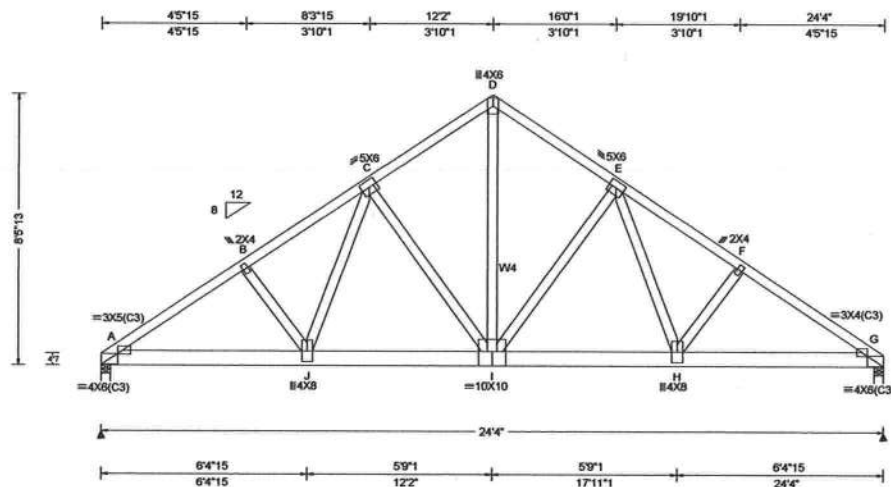
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing,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

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

SEQN: 318535 FROM: CDM	COMN Ply: 2 Qty: 1	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: B04	Cust: R 215 JRef: 1WVO2150006 T35 DrwNo: 150.20.1643.36770 / YK 05/29/2020
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpt: 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): 0.126 I 999 240 VERT(CL): 0.250 I 999 180 HORZ(LL): 0.042 B - - HORZ(TL): 0.083 B - - Creep Factor: 2.0 Max TC CSI: 0.603 Max BC CSI: 0.639 Max Web CSI: 0.707 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 6722 /- /- /- /1039 /- G 6587 /- /- /- /514 /- Wind reactions based on MWFRS A Brg Width = 3.5 Min Req = 2.8 G Brg Width = 3.5 Min Req = 2.7 Bearings A & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 643 -4563 D - E 345 -2991 B - C 615 -4492 E - F 388 -4406 C - D 345 -2991 F - G 416 -4476

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W4 2x4 SP #2;

Nailnote

Nail Schedule: 0.131"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 3.25" o.c.
Webs: 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 64 plf at 0.00 to 64 plf at 24.33
BC: From 10 plf at 0.00 to 10 plf at 24.33
BC: 132 lb Conc. Load at 0.76
BC: 1456 lb Conc. Load at 1.73
BC: 904 lb Conc. Load at 3.73, 5.73, 7.73, 9.73
11.73
BC: 910 lb Conc. Load at 13.73, 15.73, 17.73, 19.73
21.73
BC: 848 lb Conc. Load at 23.73

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 8-5-13.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

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

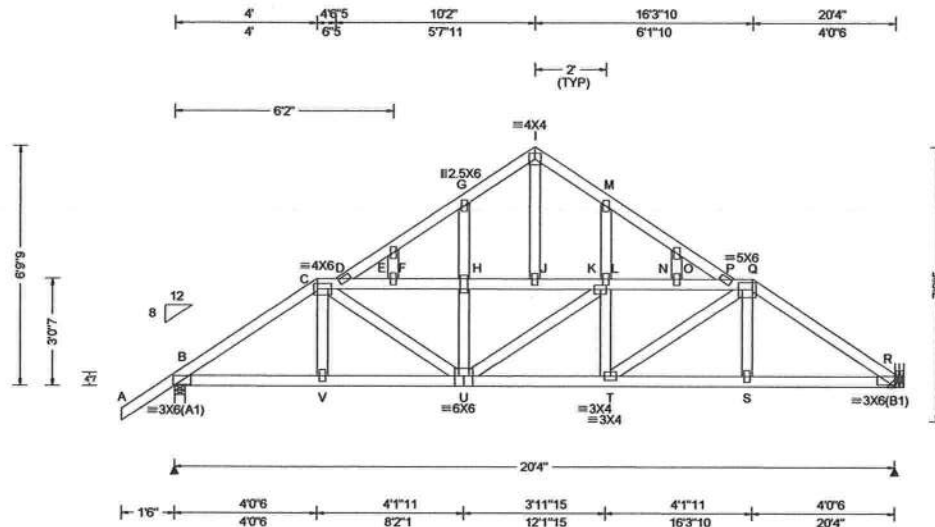
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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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, 32811

SEQN: 318536 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: B05	Cust: R215 JRef: 1WVO2150006 T16 DrwNo: 150.20.1643.44083 / YK 05/29/2020
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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/def L/# VERT(LL): 0.096 N 999 240 VERT(CL): 0.192 N 999 180 HORZ(LL): 0.035 E - - HORZ(TL): 0.071 E - - Creep Factor: 2.0 Max TC CSI: 0.534 Max BC CSI: 0.835 Max Web CSI: 0.300 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ /R- /Rh /Rw /U /RL B 1572 /- /- /- /400 /- R 1456 /- /- /- /358 /- Non-Gravity Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.9 R 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;

Special Loads

(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 64 plf at -1.50 to 64 plf at 4.03
TC: From 32 plf at 4.03 to 32 plf at 16.30
TC: From 64 plf at 16.30 to 64 plf at 20.33
BC: From 5 plf at -1.50 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 4.03
BC: From 10 plf at 4.03 to 10 plf at 16.30
BC: From 20 plf at 16.30 to 20 plf at 20.33
TC: 187 lb Conc. Load at 4.03,16.30
TC: 99 lb Conc. Load at 6.06, 8.06,10.06,10.27
12.27,14.27
BC: 170 lb Conc. Load at 4.03,16.30
BC: 71 lb Conc. Load at 6.06, 8.06,10.06,10.27
12.27,14.27

Plating Notes

All plates are 2X4 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

Purlins

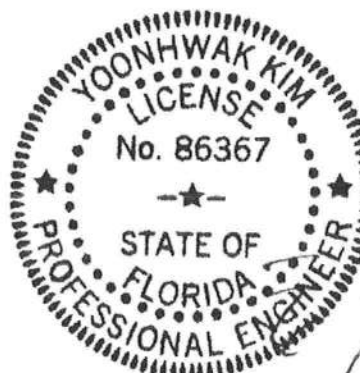
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

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 6-9-9.



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - V	1811 -455	T - S	1859 -467
V - U	1821 -453	S - R	1848 -468
U - T	2426 -599		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - U	787 -169	T - Q	718 -147

FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

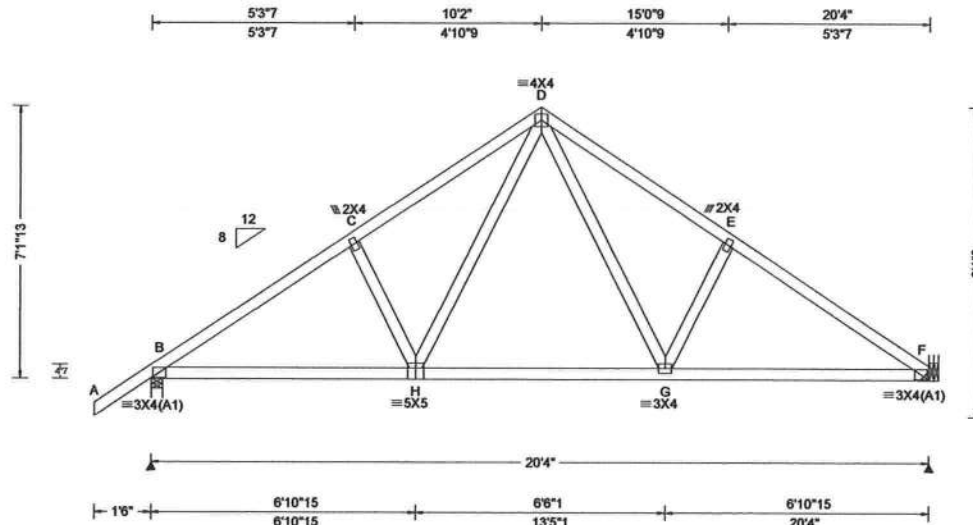
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCEA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 318537 FROM: CDM	COMN Ply: 1 Qty: 5	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: B06	Cust: R 215 JRef: 1WVO2150006 T3 DrwNo: 150.20.1643.45673 / YK 05/29/2020
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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 GCpt: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.034 H 999 240 VERT(CL): 0.067 H 999 180 HORZ(LL): 0.015 G - - HORZ(TL): 0.029 G - - Creep Factor: 2.0 Max TC CSI: 0.281 Max BC CSI: 0.544 Max Web CSI: 0.192 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL B 1018 /- /- /595 /160 /222 F 904 /- /- /501 /131 /- Non-Gravity Wind reactions based on MWFRS B Brg Width = 3.5 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. Chords Tens. Comp. B - C 244 -1293 D - E 315 -1175 C - D 296 -1155 E - F 262 -1311

Lumber

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

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.

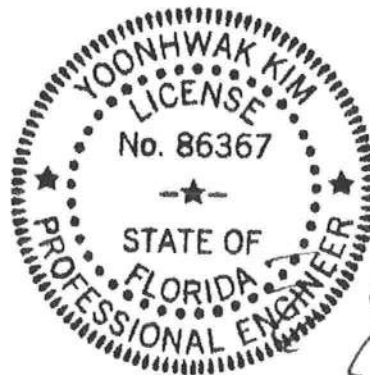
Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 7'-11 1/2".



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - H	1002 -137	G - F	1024 -144
H - G	686 -25		

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
H - D	469 -116	D - G	504 -128

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

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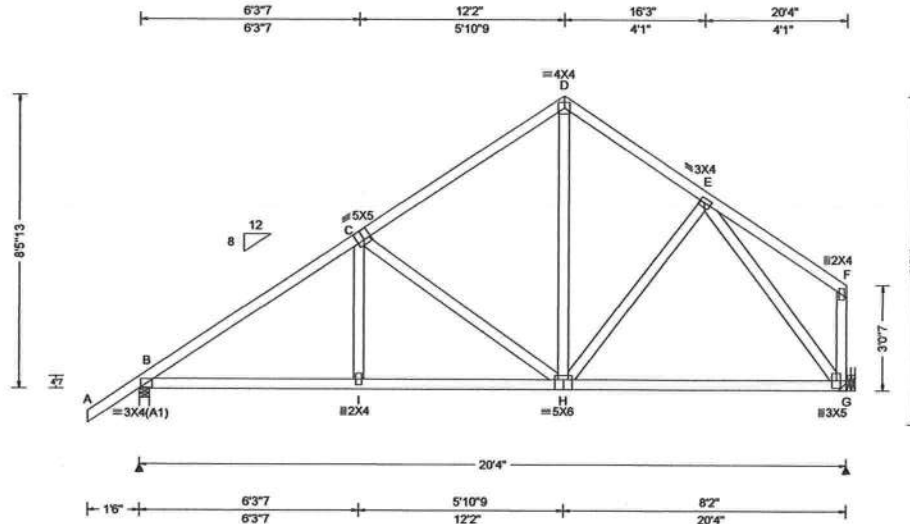
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 318538 FROM: CDM	COMN Ply: 1 Qty: 5	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: B07	Cust: R 215 JRef: 1WVO2150006 T11 DrwNo: 150.20.1643.47067 / YK 05/29/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.026 I 999 240 VERT(CL): 0.051 I 999 180 HORZ(LL): 0.012 G - - HORZ(TL): 0.024 G - - Creep Factor: 2.0 Max TC CSI: 0.392 Max BC CSI: 0.702 Max Web CSI: 0.729 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL B 985 /- /- /612 /8 /220 G 910 /- /- /458 /8 /- Non-Gravity Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 G 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 228 - 1200 D - E 238 - 745 C - D 219 - 786

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

Loading

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

Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 8'-5-13".



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - I	913 - 191	H - G	526 - 96
I - H	912 - 191		

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
C - H	172 - 435	E - G	158 - 845
D - H	436 - 130		

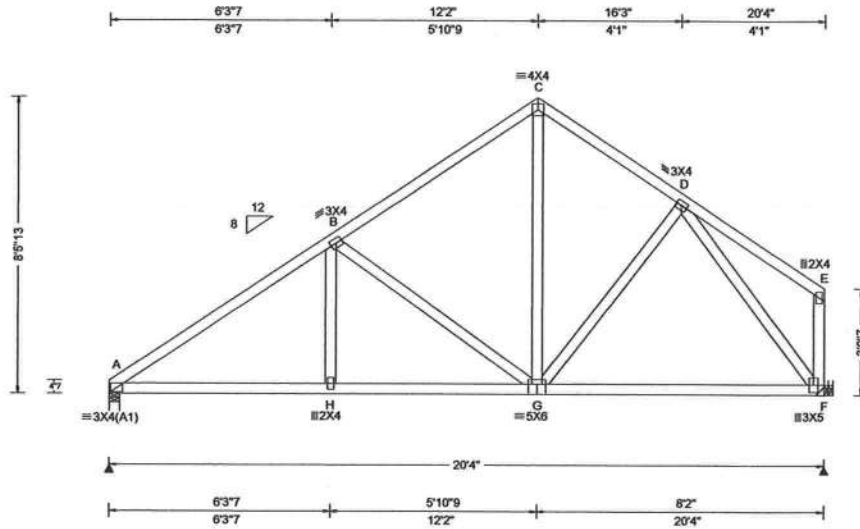
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 318539 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: B08	Cust: R 215 JRef: 1WVO2150006 T13 DrwNo: 150.20.1643.48227 / YK 05/29/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA 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): 0.023 H 999 240 VERT(CL): 0.048 H 999 180 HORZ(LL): 0.011 F - - HORZ(TL): 0.023 F - - Creep Factor: 2.0 Max TC CSI: 0.432 Max BC CSI: 0.702 Max Web CSI: 0.707 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL A 861 /- /- /520 /1 /201 F 848 /- /- /463 /8 /- Non-Gravity Wind reactions based on MWFRS A Brg Width = 3.5 Min Req = 1.5 F Brg Width = - Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 248 -1196 C - D 240 -711 B - C 228 -753

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

Wind

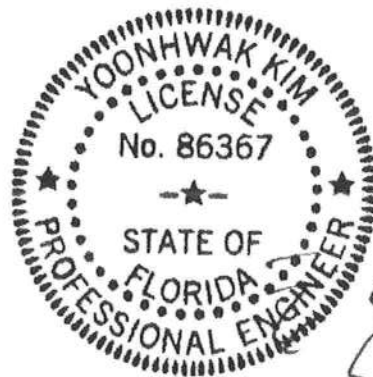
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 8-5-13.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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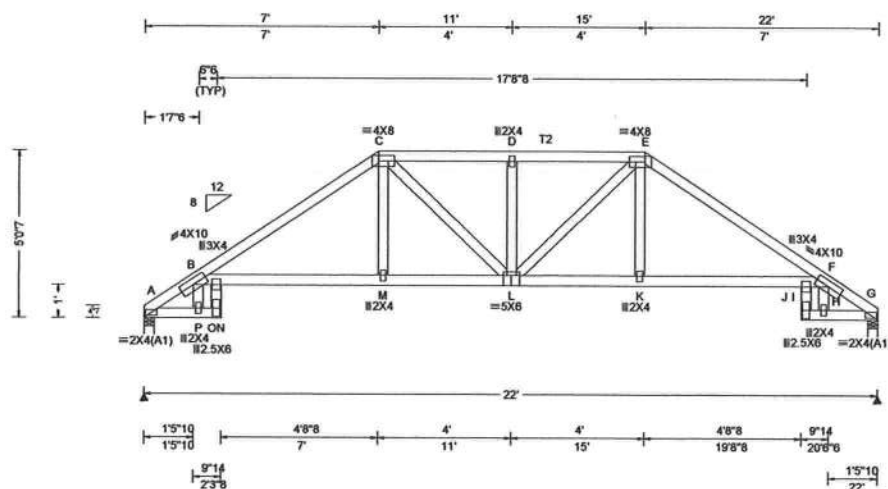
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing,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

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

SEQN: 318540 FROM: CDM	HIPS Ply: 2 Qty: 1	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: B09	Cust: R 215 JRef: 1WVO2150006 T38 DrwNo: 150.20.1643.49417 / YK 05/29/2020
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 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: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.277 J 940 240 VERT(CL): 0.562 J 463 180 HORZ(LL): 0.303 H - - HORZ(TL): 0.616 H - - Creep Factor: 2.0 Max TC CSI: 0.607 Max BC CSI: 0.761 Max Web CSI: 0.580 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 2175 /- /- /- /455 /- G 2175 /- /- /- /455 /- Wind reactions based on MWFRS A Brg Width = 3.5 Min Req = 1.5 G Brg Width = 3.5 Min Req = 1.5 Bearings A & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber
Top chord: 2x4 SP M-31; T2 2x4 SP #2;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3;

Nailnote
Nail Schedule: 0.131"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs: 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails
in each row to avoid splitting.

Special Loads
—(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 64 plf at 0.00 to 64 plf at 7.00
TC: From 32 plf at 7.00 to 32 plf at 15.00
TC: From 64 plf at 15.00 to 64 plf at 22.00
BC: From 20 plf at 0.00 to 20 plf at 7.03
BC: From 10 plf at 7.03 to 10 plf at 14.97
BC: From 20 plf at 14.97 to 20 plf at 22.00
TC: 611 lb Conc. Load at 7.03,14.97
TC: 207 lb Conc. Load at 9.06,11.00,12.94
BC: 337 lb Conc. Load at 7.03,14.97
BC: 107 lb Conc. Load at 9.06,11.00,12.94

Purlins
In lieu of structural panels use purlins to brace all flat
TC @ 24" oc.

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
5-0-7.

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - O	1841 -393	L - K	1858 -394
O - M	1839 -392	K - I	1839 -392
M - L	1858 -394	I - F	1841 -393

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
B - P	316 -1326	K - E	509 -41
O - N	902 -206	J - I	902 -206
C - M	509 -41	H - F	316 -1326



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

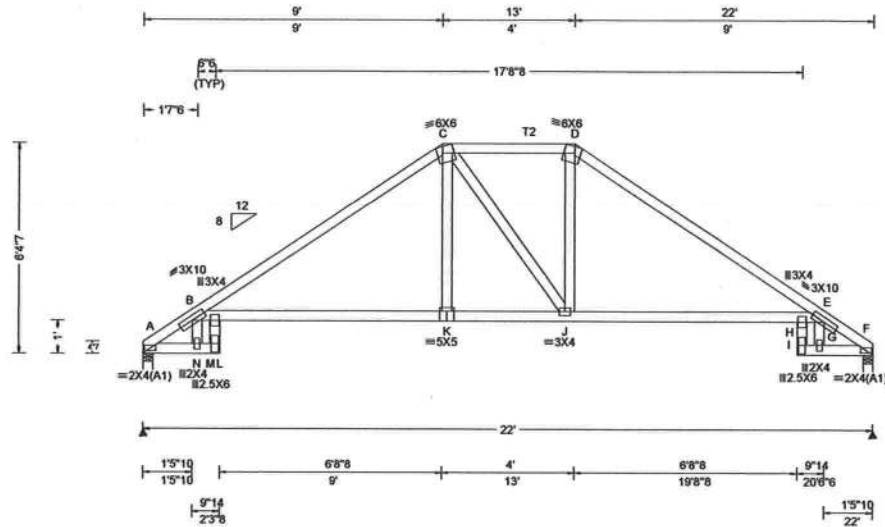
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32811

SEQN: 318541 FROM: CDM	HIPS Ply: 1 Qty: 1	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: B10	Cust: R 215 JRef: 1WVO2150006 T28 DrwNo: 150.20.1643.50740 / YK 05/29/2020
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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/def L/# VERT(LL): 0.361 I 721 240 VERT(CL): 0.756 I 344 180 HORZ(LL): 0.367 G - - HORZ(TL): 0.771 G - - Creep Factor: 2.0 Max TC CSI: 0.841 Max BC CSI: 0.766 Max Web CSI: 0.631 VIEW Ver: 19.02.02B.0122.15	Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 924 /- /- /542 /148 /166 F 924 /- /- /542 /148 /- Wind reactions based on MWFRS A Brg Width = 3.5 Min Req = 1.5 F Brg Width = 3.5 Min Req = 1.5 Bearings A & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 127 -489 D - E 325 -1358 B - C 326 -1360 E - F 127 -490 C - D 341 -1072

Lumber

Top chord: 2x4 SP M-31; T2 2x4 SP #2;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3;

Purlins

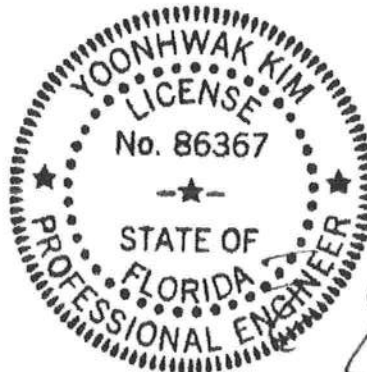
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

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 6-4-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - M	1060 -150	J - H	1058 -148
M - K	1059 -148	H - E	1058 -150
K - J	1066 -148		

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
B - N	427 -1275	I - H	863 -275
M - L	869 -276	G - E	426 -1267

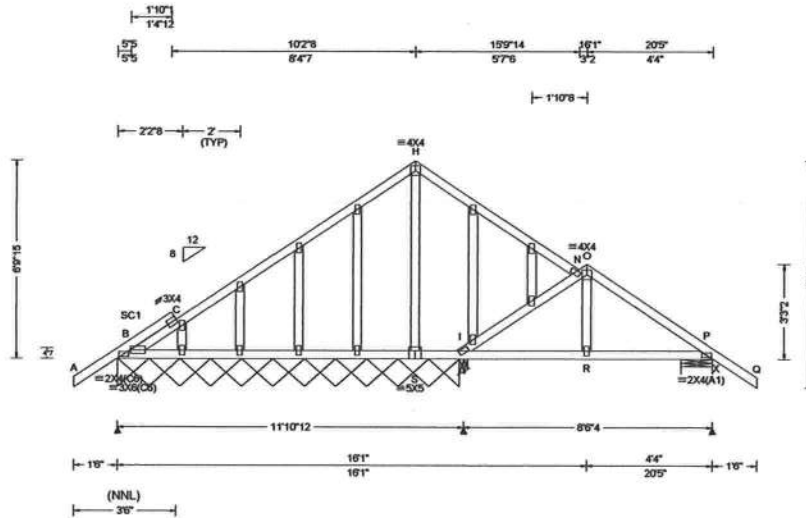
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 318542 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: C01	Cust: R 215 JRef: 1WVO2150006 T20 DrwNo: 150.20.1643.53767 / YK 05/29/2020
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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 7-10 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): 0.009 M 999 240 VERT(CL): 0.018 M 999 180 HORZ(LL): 0.006 M - - HORZ(TL): 0.012 M - - Creep Factor: 2.0 Max TC CSI: 0.204 Max BC CSI: 0.197 Max Web CSI: 0.155 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B* 90 /- /- /63 /10 /20 I 433 /- /- /328 /121 /- X 432 /- /- /310 /69 /- Wind reactions based on MWFRS B Brg Width = 141 Min Req = - I Brg Width = 3.5 Min Req = 1.5 X Brg Width = 13.0 Min Req = 1.5 Bearings B, I, & P are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Stack Chord: SC1 2x4 SP #2;

Plating Notes
All plates are 2X4 except as noted.

Loading
Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

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

Blocking
Blocking reinforcement required to prevent buckling of members over the bearings:
Bearing 2 located at 11.8' (blocking >= 11.25" if used)

Additional Notes
Refer to General Notes for additional information
See DWGS A14015ENC101014 & 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 notched area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notched area using 3x4.
The overall height of this truss including overhang is 6-9-15.

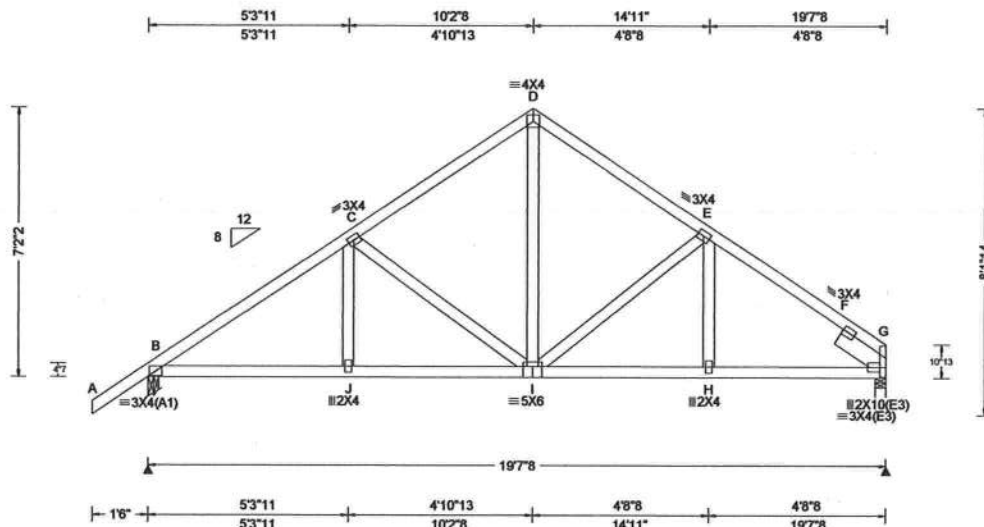


FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

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

SEQN: 318543 FROM: CDM	COMN Ply: 1 Qty: 2	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: C02	Cust: R 215 JRef: 1WVO2150006 T4 DrwNo: 150.20.1643.55710 / YK 05/29/2020
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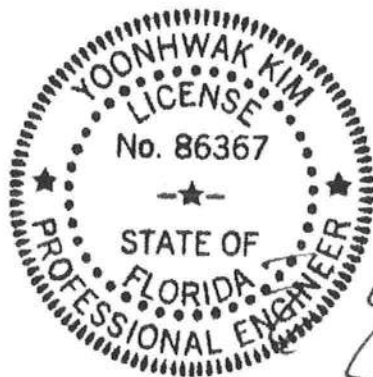


Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II 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: 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): 0.027 I 999 240 VERT(CL): 0.055 I 999 180 HORZ(LL): 0.014 H - - HORZ(TL): 0.029 H - - Creep Factor: 2.0 Max TC CSI: 0.269 Max BC CSI: 0.343 Max Web CSI: 0.253 VIEW Ver. 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL B 939 /- /- /583 /156 /212 G 814 /- /- /473 /127 /- Non-Gravity Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 G Brg Width = 3.5 Min Req = 1.5 Bearings B & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 309 -1155 E - F 297 -1050 C - D 290 -804 F - G 280 -1112 D - E 292 -796

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Rt Slider: 2x6 SP 2400f-2.0E; block length = 1.513'

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'-2.2."



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.	Comp.	Chords Tens. Comp.
B - J	885	-196	I - H 809 -177
J - I	884	-196	H - G 812 -177

Maximum Web Forces Per Ply (lbs)	
Webs	Tens.Comp.
D - I	490 -192

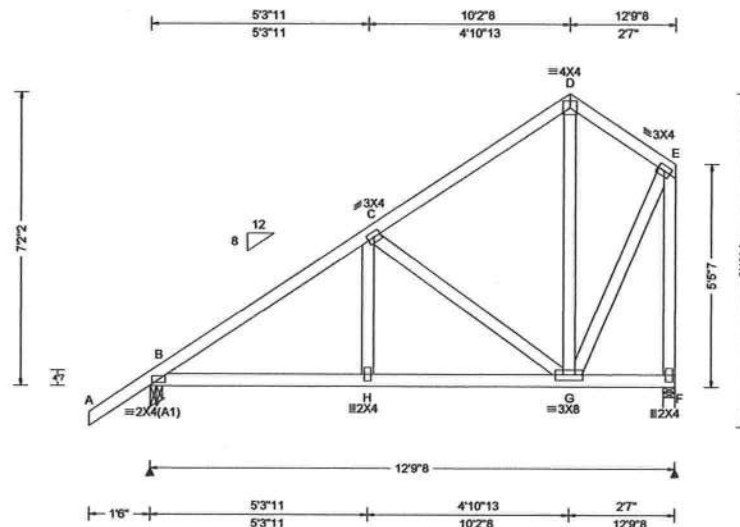
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 318544 FROM: CDM	COMN Ply: 1 Qty: 3	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: C03	Cust: R215 JRef: 1WVO2150006 T22 DrwNo: 150.20.1643.57460 / YK 05/29/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Def/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.010 H 999 240 VERT(CL): 0.020 H 999 180 HORZ(LL): 0.004 G - - HORZ(TL): 0.007 G - - Creep Factor: 2.0 Max TC CSI: 0.277 Max BC CSI: 0.313 Max Web CSI: 0.282 VIEW Ver. 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 654 /- /- /440 /81 /175 F 524 /- /- /337 /110 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 F Brg Width = 3.5 Min Req = 1.5 Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 97 -669

Lumber

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

Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 7-2-2.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
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B - H 486 -176 H - G 484 -176

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
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C - G 157 -391 E - F 167 -508
G - E 381 -112

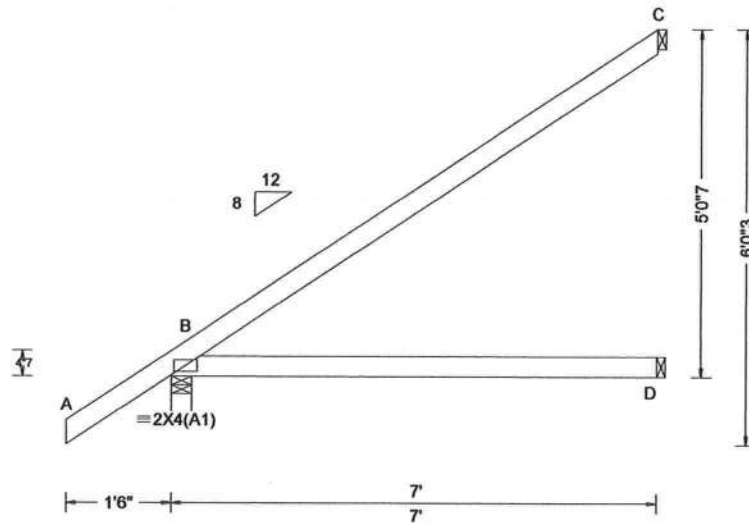
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 318546 FROM: CDM	EJAC Qty: 25	Ply: 1 Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: J01	Cust: R 215 JRef: 1WVO2150006 T9 DrwNo: 150.20.1644.01440 / YK 05/29/2020
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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): 0.013 D - - HORZ(TL): 0.027 D - - Creep Factor: 2.0 Max TC CSI: 0.747 Max BC CSI: 0.527 Max Web CSI: 0.000 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL B 417 /- /- /298 /29 /161 D 131 /- /- /92 /1 /- C 193 /- /- /113 /86 /- Non-Gravity Wind reactions based on MWFRS B Brg Width = 3.5 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

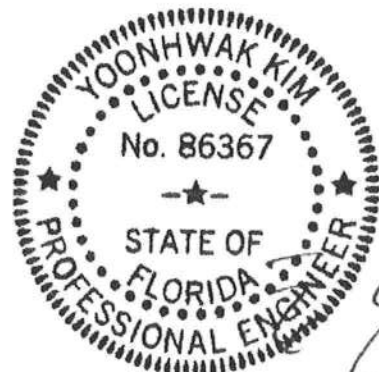
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

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 5'-0"-7".



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

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

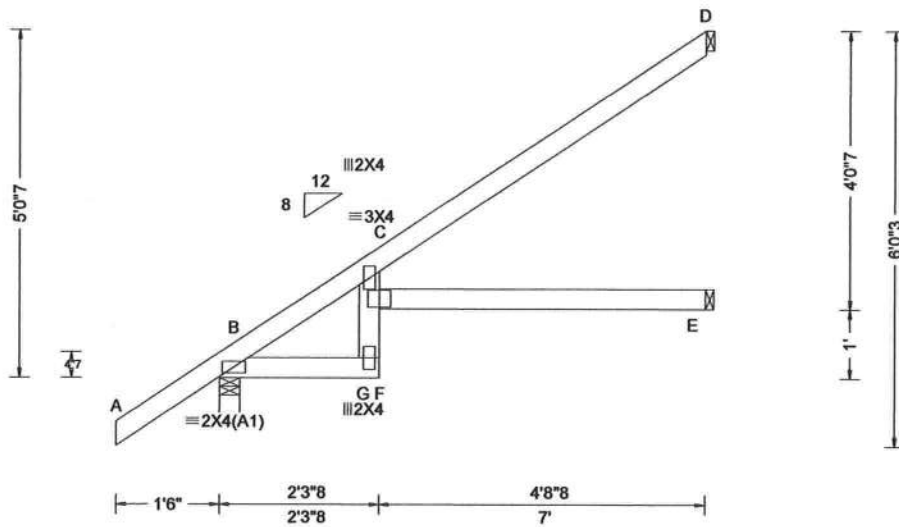
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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: 318547 FROM: CDM	EJAC Qty: 9	Ply: 1 Qty: 9	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: J01A	Cust: R215 JRef: 1WVO2150006 T41 DrawNo: 150.20.1644.02500 / YK 05/29/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.176 F 467 240 VERT(CL): 0.358 F 229 180 HORZ(LL): 0.125 C - - HORZ(TL): 0.255 C - - Creep Factor: 2.0 Max TC CSI: 0.932 Max BC CSI: 0.351 Max Web CSI: 0.358 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 417 /- /- /298 /29 /161 E 107 /- /- /76 /0 /- D 207 /- /- /129 /86 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 E Brg Width = 1.5 Min Req = - D Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

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'-0"-7".



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

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

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

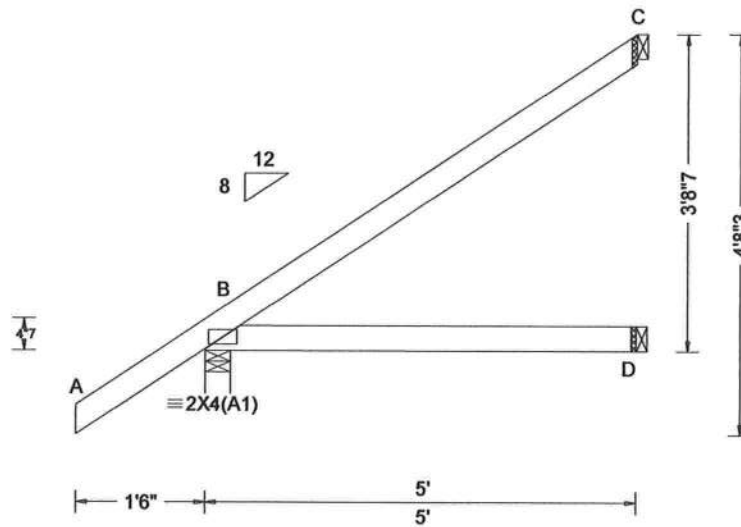
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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: 318548 FROM: CDM	JACK Ply: 1 Qty: 6	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: J02	Cust: R215 JRef: 1WVO2150006 T6 DrwNo: 150.20.1644.03410 / YK 05/29/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.004 D - - HORZ(TL): 0.008 D - - Creep Factor: 2.0 Max TC CSI: 0.327 Max BC CSI: 0.255 Max Web CSI: 0.000 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 339 /- /- /248 /31 /123 D 91 /- /- /64 /- /- C 131 /- /- /75 /59 /- Wind reactions based on MWFRS B Brg Width = 3.5 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

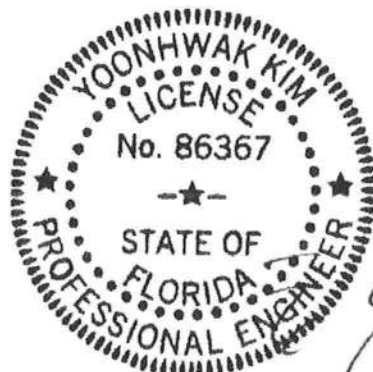
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

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 3-8-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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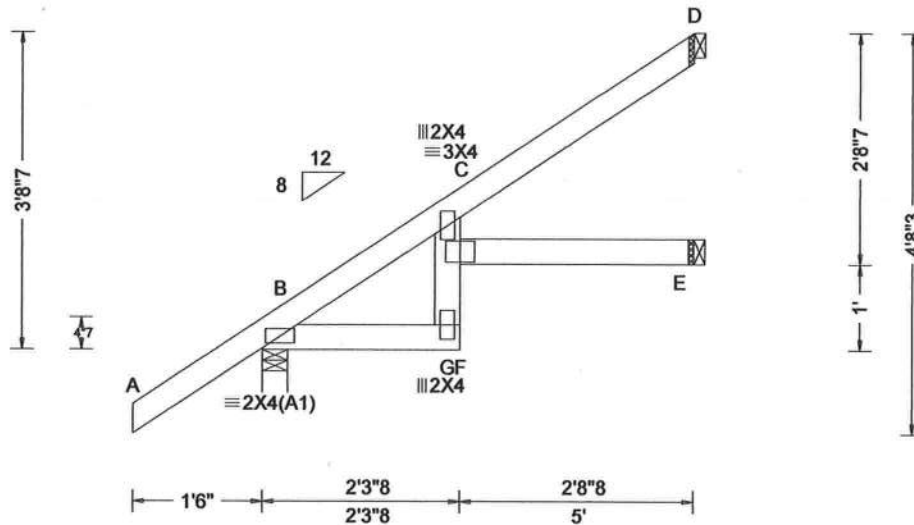
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 318549 FROM: CDM	JACK Qty: 4	Ply: 1 Qty: 4	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: J02A	Cust: R 215 JRef: 1WVO2150006 T43 DrwNo: 150.20.1644.04400 / YK 05/29/2020
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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): 0.050 F 999 240 VERT(CL): 0.101 F 578 180 HORZ(LL): 0.035 C - - HORZ(TL): 0.071 C - - Creep Factor: 2.0 Max TC CSI: 0.419 Max BC CSI: 0.126 Max Web CSI: 0.155 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 339 /- /- /248 /31 /123 E 64 /- /- /45 /1 /- D 144 /- /- /91 /58 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 E Brg Width = 1.5 Min Req = - D Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

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'-8-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

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

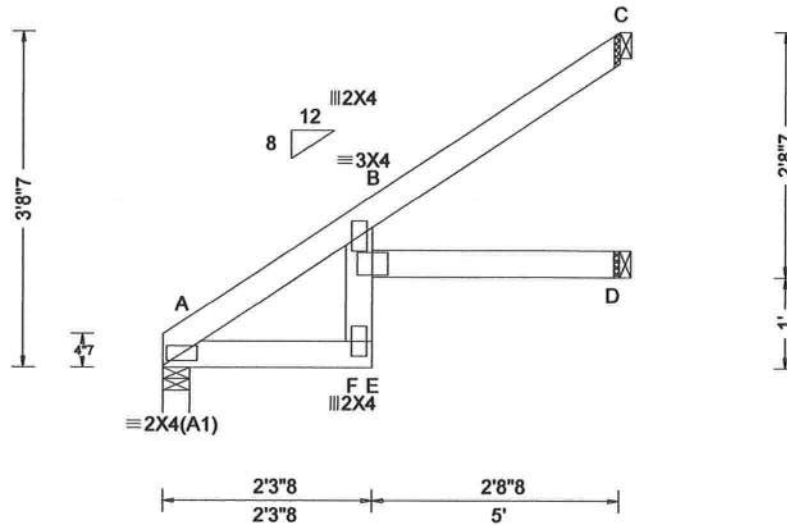
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

SEQN: 318550 FROM: CDM	JACK Ply: 1 Qty: 2	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: J02B	Cust: R 215 JRef: 1WVO2150006 T45 DrwNo: 150.20.1644.05420 / YK 05/29/2020
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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): 0.061 E 959 240 VERT(CL): 0.128 E 456 180 HORZ(LL): 0.044 B - - HORZ(TL): 0.092 B - - Creep Factor: 2.0 Max TC CSI: 0.514 Max BC CSI: 0.133 Max Web CSI: 0.208 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL A 216 /- /- /141 /- /94 D 66 /- /- /49 /2 /- C 159 /- /- /106 /63 /- Wind reactions based on MWFRS A Brg Width = 3.5 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

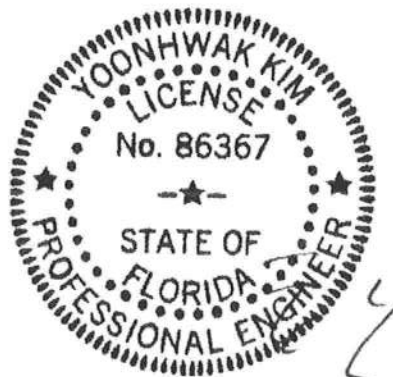
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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 3-8-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

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

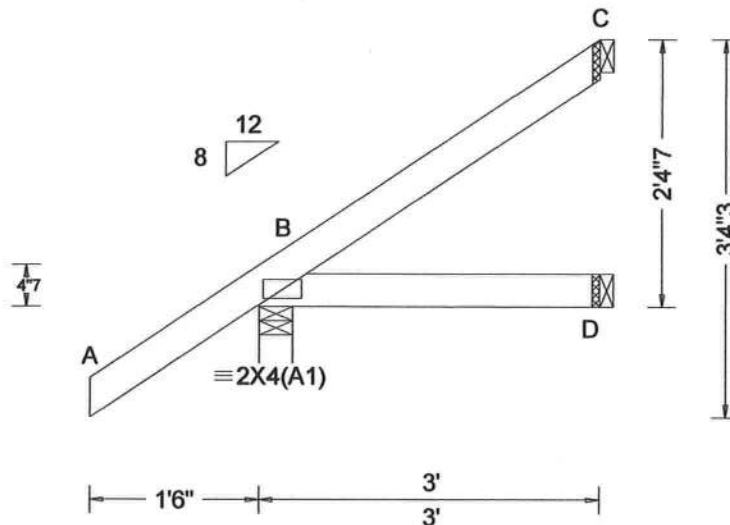
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A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

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

SEQN: 318551 FROM: CDM	JACK Ply: 1 Qty: 9	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: J03	Cust: R215 JRef:1WVO2150006 T7 DrwNo: 150.20.1644.06483 / YK 05/29/2020
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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): 0.001 D - - HORZ(TL): 0.001 D - - Creep Factor: 2.0 Max TC CSI: 0.191 Max BC CSI: 0.075 Max Web CSI: 0.000 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL B 268 /- /- /206 /35 /85 D 50 /- /- /40 /2 /- C 64 /- /- /31 /31 /- Non-Gravity Wind reactions based on MWFRS B Brg Width = 3.5 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

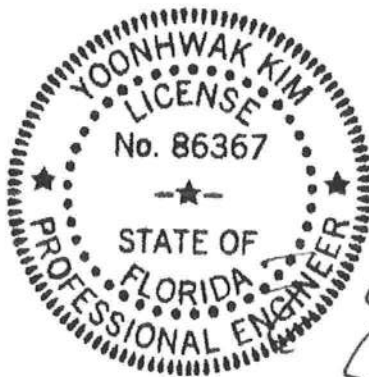
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

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'-4".



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

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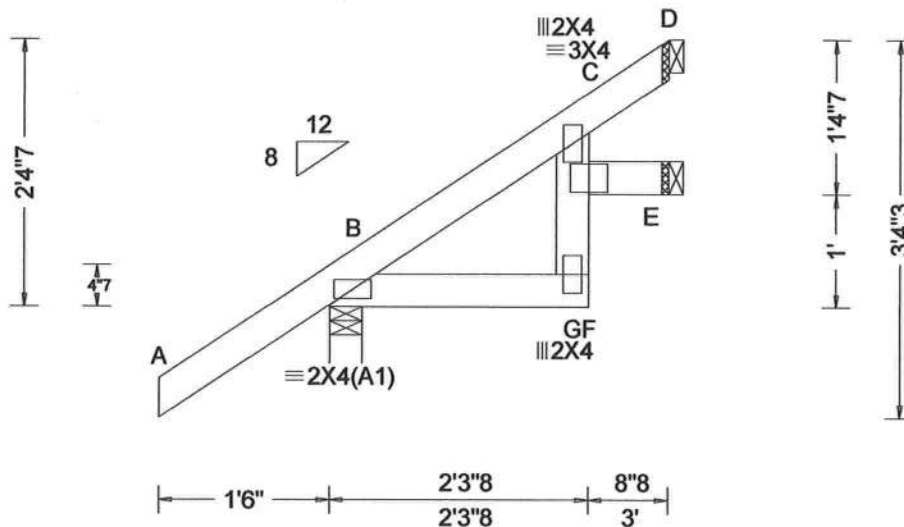
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 318552 FROM: CDM	JACK Ply: 1 Qty: 4	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: J03A	Cust: R 215 JRef: 1WVO2150006 T23 DrwNo: 150.20.1644.07580 / YK 05/29/2020
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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/def L/# VERT(LL): 0.003 F 999 240 VERT(CL): 0.006 F 999 180 HORZ(LL): 0.002 C - - HORZ(TL): 0.004 C - - Creep Factor: 2.0 Max TC CSI: 0.191 Max BC CSI: 0.046 Max Web CSI: 0.032 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 268 /- /- /206 /35 /85 E 21 /- /- /17 /2 /- D 73 /- /- /49 /26 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 E Brg Width = 1.5 Min Req = - D Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

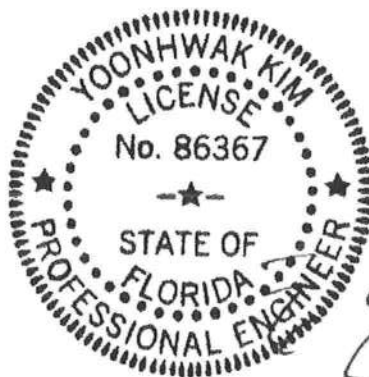
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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'-4"7".



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

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

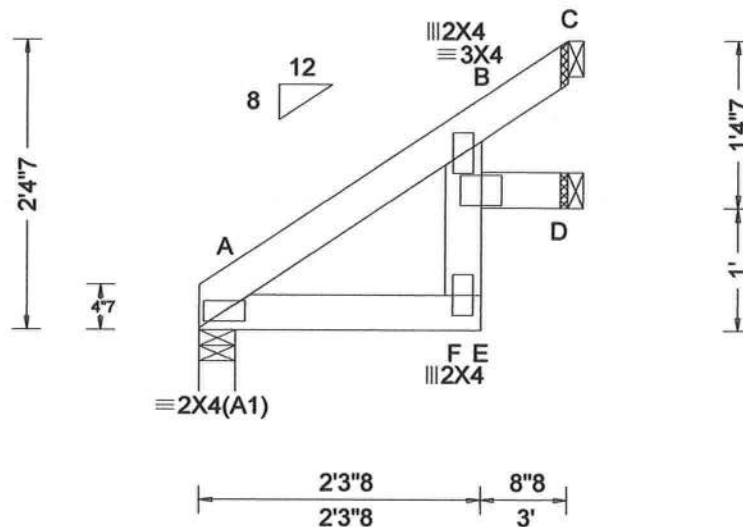
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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: 318553 FROM: CDM	JACK Ply: 1 Qty: 2	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: J03B	Cust: R215 JRef: 1WVO2150006 T37 DrwNo: 150.20.1644.08737 / YK 05/29/2020
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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/def L/# VERT(LL): 0.005 E 999 240 VERT(CL): 0.011 E 999 180 HORZ(LL): 0.004 B - - HORZ(TL): 0.008 B - - Creep Factor: 2.0 Max TC CSI: 0.139 Max BC CSI: 0.062 Max Web CSI: 0.061 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 133 /- /- /86 /- /56 D 24 /- /- /20 /4 /- C 98 /- /- /71 /35 /- Wind reactions based on MWFRS A Brg Width = 3.5 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

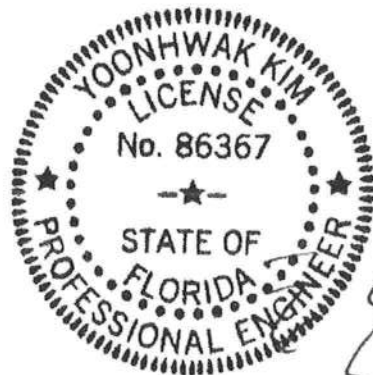
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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 24'-7".



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

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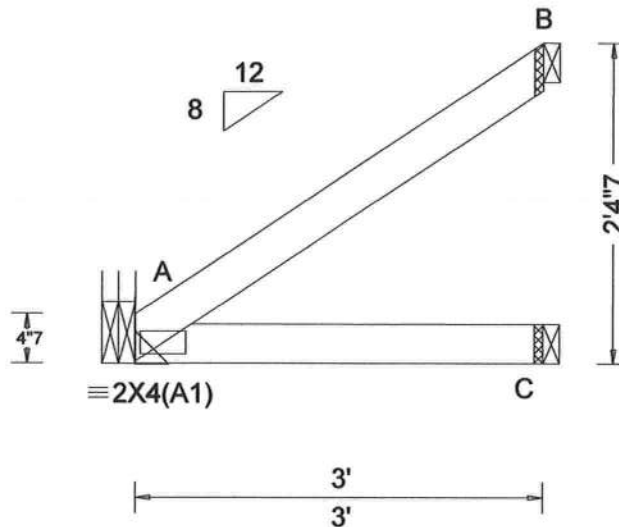
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

SEQN: 318554 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: J03C	Cust: R215 JRef: 1WVO2150006 T17 DrwNo: 150.20.1644.10060 / YK 05/29/2020
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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): 0.001 C - - HORZ(TL): 0.003 C - - Creep Factor: 2.0 Max TC CSI: 0.122 Max BC CSI: 0.093 Max Web CSI: 0.000 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ /R- /Rh /Rw /U /RL A 132 /- /- /85 /- /56 C 56 /- /- /41 /1 /- B 84 /- /- /51 /38 /- Non-Gravity Wind reactions based on MWFRS A Brg Width = - Min Req = - C Brg Width = 1.5 Min Req = - B Brg Width = 1.5 Min Req = - Members not listed have forces less than 375#

Lumber

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

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 2-4-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

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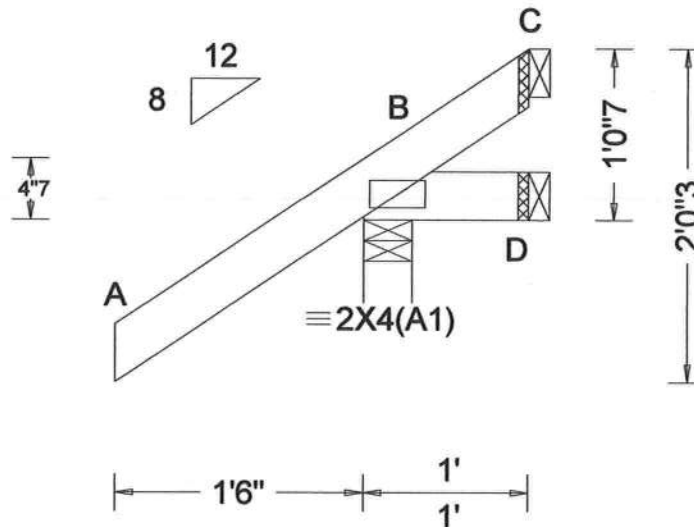
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 318555 FROM: CDM	JACK Ply: 1 Qty: 16	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: J04	Cust: R215 JRef: 1WVO2150006 T8 DrwNo: 150.20.1644.11347 / YK 05/29/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	B	261	/-	/-	/225	/67	/47
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 D - -	D	5	/-16	/-	/17	/19	/-
	EXP: C Kzt: NA		HORZ(TL): 0.001 D - -	C	-	/-57	/-	/35	/66	/-
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 2.0	Wind reactions based on MWFRS						
NCBCLL: 10.00	TCDL: 5.0 psf	Code / Misc Criteria	Max TC CSI: 0.187	B	Brg Width = 3.5		Min Req = 1.5			
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max BC CSI: 0.026	D	Brg Width = 1.5		Min Req = -			
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max Web CSI: 0.000	C	Brg Width = 1.5		Min Req = -			
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes		Bearing B is a rigid surface.						
	Loc. from endwall: Any	FT/RT:20(0)/10(0)		Members not listed have forces less than 375#						
	GCpi: 0.18	Plate Type(s):								
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15							

Lumber

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

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 1-0-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

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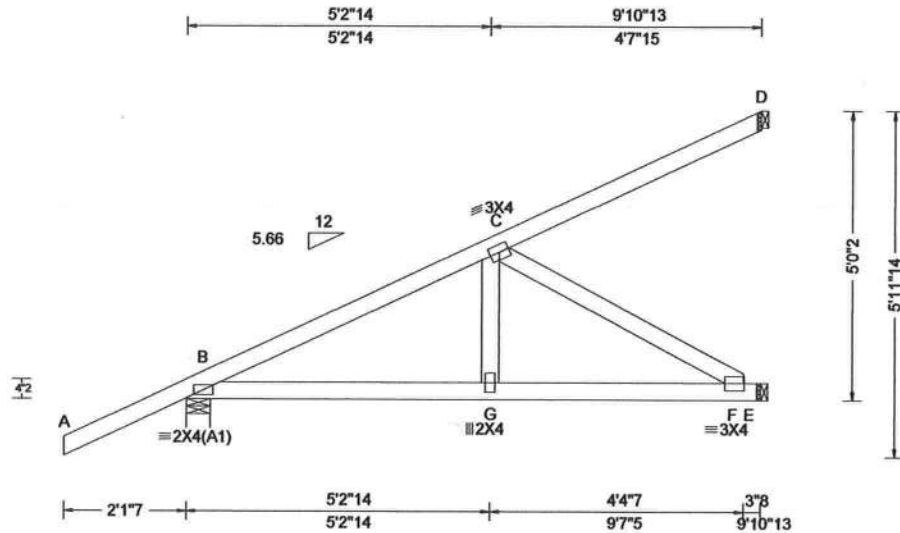
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 318556 FROM: CDM	HIP_	Ply: 1 Qty: 3	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: J05HJ	Cust R215 JRef: 1WVO2150006 T10 DrwNo: 150.20.1644.20087 / YK 05/29/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA 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): 0.017 G 999 240 VERT(CL): 0.035 G 999 180 HORZ(LL): 0.004 F - - HORZ(TL): 0.009 F - - Creep Factor: 2.0 Max TC CSI: 0.641 Max BC CSI: 0.506 Max Web CSI: 0.313 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 472 /- /- /- /90 /- E 375 /- /- /- /6 /- D 258 /- /- /- /93 /- Wind reactions based on MWFRS B Brg Width = 4.9 Min Req = 1.5 E Brg Width = 1.5 Min Req = - D Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.

Lumber

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

Loading

Hipjack supports 7-0-0 setback jacks with no webs.

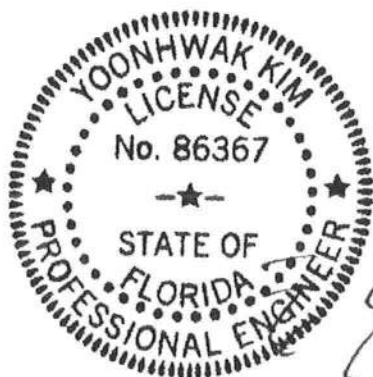
Wind

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 5-0-2.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

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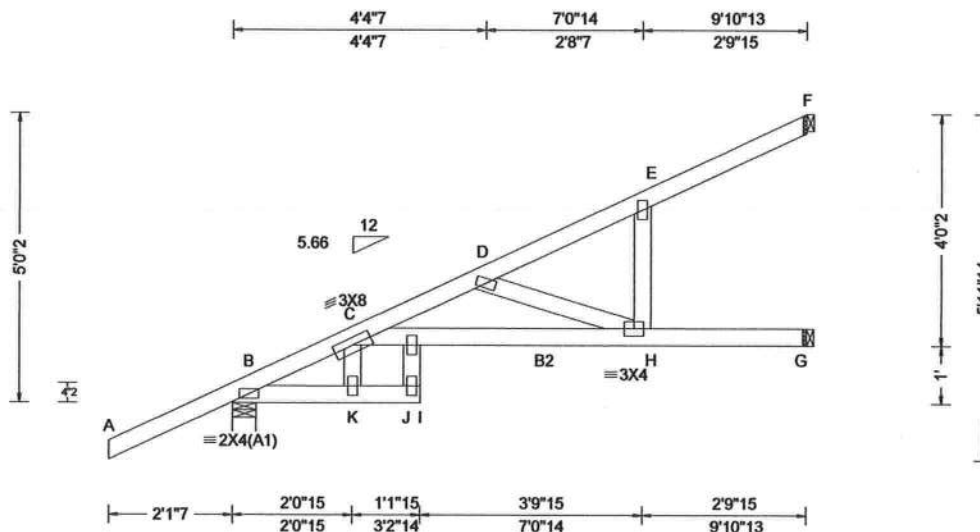
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 318557 FROM: CDM	HIP_	Ply: 1 Qty: 3	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: J05AHJ	Cust: R215 JRef: 1WVO2150006 T47 DrwNo: 150.20.1644.25227 / YK 05/29/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/R-	/Rh	/Rw	/U	/RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.242 H 482 240	B	472	/-	/-	/-	/90	/-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.498 H 235 180	G	230	/-	/-	/-	/9	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.117 E - -	F	403	/-	/-	/-	/90	/-
Des Ld: 40.00	EXP: C Kzt: NA	Code / Misc Criteria	HORZ(TL): 0.241 E - -	Wind reactions based on MWFRS						
NCBCLL: 0.00	Mean Height: 15.00 ft		Bldg Code: FBC 2017 RES	Creep Factor: 2.0	B	Brg Width = 4.9		Min Req = 1.5		
Soffit: 2.00	TCDL: 5.0 psf		TPI Std: 2014	Max TC CSI: 0.645	G	Brg Width = 1.5		Min Req = -		
Load Duration: 1.25	BCDL: 5.0 psf		Rep Fac: No	Max BC CSI: 0.522	F	Brg Width = 1.5		Min Req = -		
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		FT/RT:20(0)/10(0)	Max Web CSI: 0.390	Bearing B is a rigid surface.					
	C&C Dist a: 3.00 ft	Plate Type(s):		Members not listed have forces less than 375#						
	Loc. from endwall: NA	WAVE		Maximum Top Chord Forces Per Ply (lbs)						
	GCpi: 0.18			Chords Tens Comp						
	Wind Duration: 1.60		VIEW Ver: 19.02.02B.0122.15							

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

Hipjack supports 7-0-0 setback jacks with no webs.

Wind

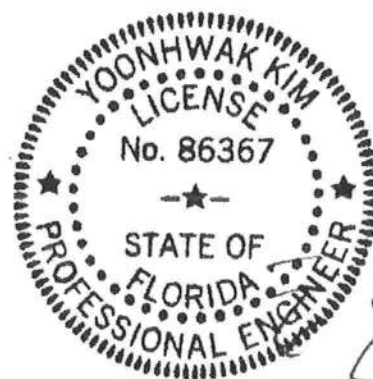
Wind loads and reactions based on MWFRS.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 5-0-2.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

C - D 171 -900

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
C - J	887 -158	J - H	900 -160

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp.

D - H 164 -909

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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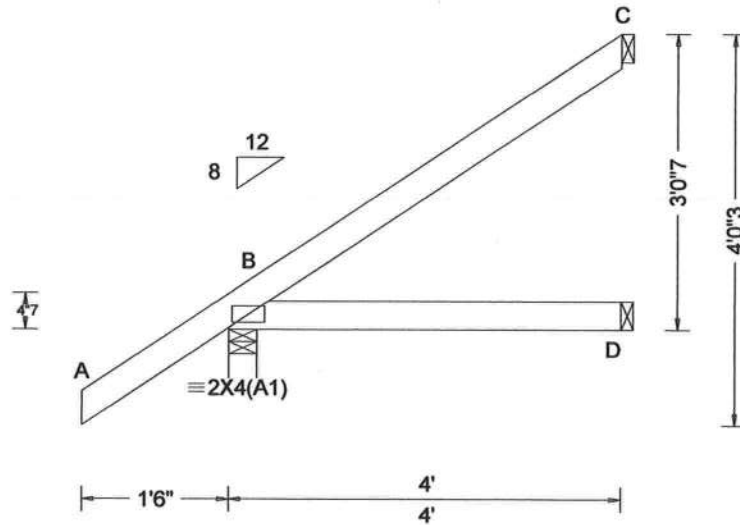
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 318558 FROM: CDM	EJAC Qty: 8	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: J06	Cust: R215 JRef: 1WVO2150006 T18 DrwNo: 150.20.1644.27503 / YK 05/29/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	B	302	/-	/-	/225	/32	/104
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	D	71	/-	/-	/52	/-	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 D - -	C	99	/-	/-	/54	/46	/-
	EXP: C Kzt: NA		HORZ(TL): 0.003 D - -	Wind reactions based on MWFRS						
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 2.0	B	Brg Width = 3.5		Min Req = 1.5			
NCBCLL: 10.00	TCDL: 5.0 psf	Code / Misc Criteria	Max TC CSI: 0.204	D	Brg Width = 1.5		Min Req = -			
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max BC CSI: 0.154	C	Brg Width = 1.5		Min Req = -			
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max Web CSI: 0.000	Bearing B is a rigid surface.						
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes		Members not listed have forces less than 375#						
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)								
	GCpi: 0.18	Plate Type(s):								
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15							

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 3-0-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

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IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

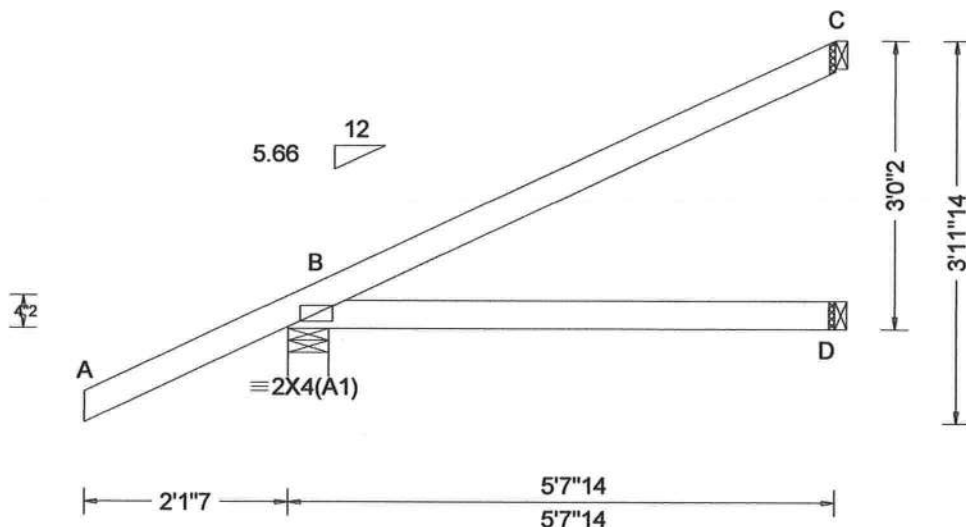
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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: 318559 FROM: CDM	HIP_	Ply: 1 Qty: 2	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: J07HJ	Cust: R215 JRef: 1WVO2150006 T14 DrwNo: 150.20.1644.29390 / YK 05/29/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria		▲ Maximum Reactions (lbs)							
					Gravity			Non-Gravity				
		Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL				
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#									
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA									
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA									
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.008 D - -									
	EXP: C Kzt: NA		HORZ(TL): 0.010 D - -									
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 2.0									
NCBCLL: 10.00	TCDL: 5.0 psf	Code / Misc Criteria	Max TC CSI: 0.327									
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max BC CSI: 0.305									
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max Web CSI: 0.000									
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case										
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)										
	GCpi: 0.18	Plate Type(s):										
	Wind Duration: 1.60	WAVE										
			VIEW Ver: 19.02.02B.0122.15									

Lumber

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

Special Loads

—(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 0 plf at -2.12 to 62 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 5.66
BC: From 0 plf at -2.12 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 5.66
TC: -48 lb Conc. Load at 1.48
TC: 128 lb Conc. Load at 4.31
BC: 10 lb Conc. Load at 1.48
BC: 100 lb Conc. Load at 4.31

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 3-0-2.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

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

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

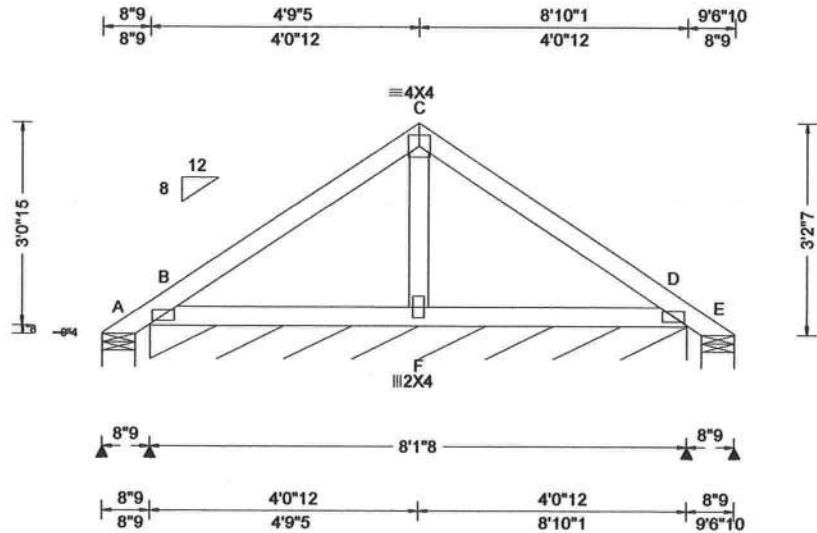
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 318560 FROM: CDM	SPEC Qty: 8	Ply: 1 Qty: 8	Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: PB01	Cust: R215 JRef: 1WVO2150006 T40 DrwNo: 150.20.1644.31640 / YK 05/29/2020
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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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.54 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 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 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): 0.001 F 999 240 VERT(CL): 0.004 F 999 180 HORZ(LL): -0.001 F - - HORZ(TL): 0.003 F - - Creep Factor: 2.0 Max TC CSI: 0.187 Max BC CSI: 0.155 Max Web CSI: 0.017 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A - / -92 / - / 78 / 121 / 92 B* 138 / - / - / 58 / - / - E - / -103 / - / 27 / 70 / - Wind reactions based on MWFRS A Brg Width = 5.9 Min Req = 1.5 B Brg Width = 97.5 Min Req = - E Brg Width = 5.9 Min Req = 1.5 Bearings A, B, & E 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;

Plating Notes

All plates are 2X4(A1) except as noted.

Loading

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

Purlins

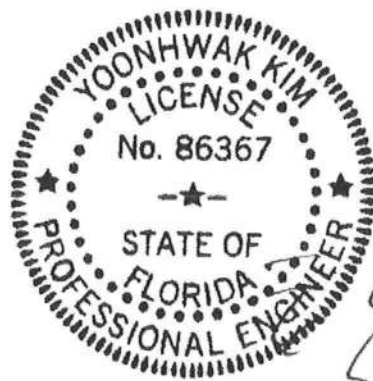
In lieu of rigid ceiling use purlins to brace BC @ 24" oc.

Wind

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

Additional Notes

Refer to General Notes for additional information
Refer to DWG PB160101014 for piggyback details.
The overall height of this truss excluding overhang is 3-2-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

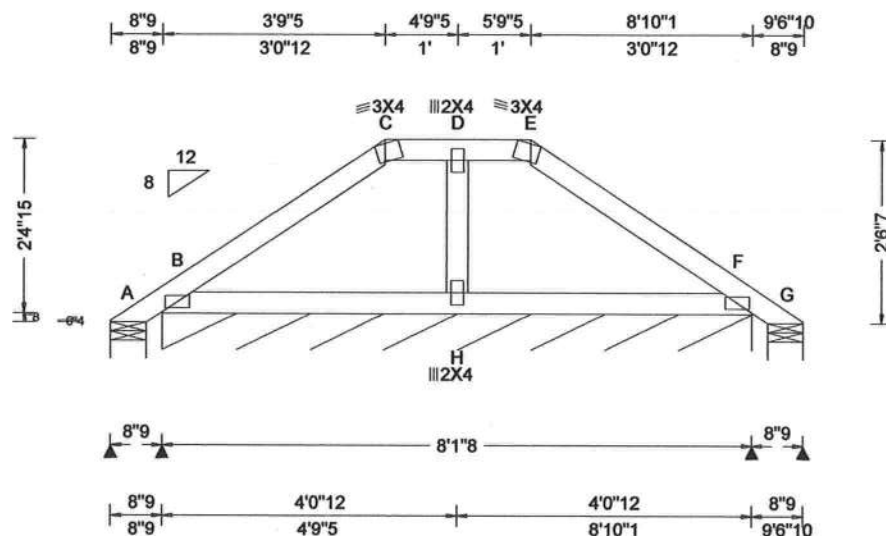
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * =PLF
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.004 C 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.009 C 999 180	A - /-28 /- /68 /83 /70
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.003 C - -	B* 101 /- /- /50 /- /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.004 C - -	G - /-28 /- /29 /45 /-
NCBCLL: 10.00	Mean Height: 16.20 ft	Code / Misc Criteria	Creep Factor: 2.0	Wind reactions based on MWFRS
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.082	A Brg Width = 5.9 Min Req = 1.5
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.135	B Brg Width = 97.5 Min Req = -
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.017	G Brg Width = 5.9 Min Req = 1.5
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Bearings A, B, & G are a rigid surface.
	Loc. from endwall: not in 13.00 ft	Plate Type(s):		Members not listed have forces less than 375#
	GCpi: 0.18	WAVE		
	Wind Duration: 1.60		VIEW Ver: 19.02.02B.0122.15	

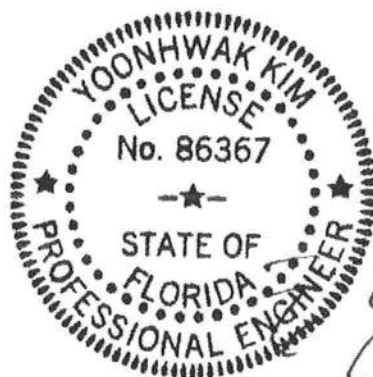
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3:

All plates are 2X4(A1) except as noted.

In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" oc, all BC @ 24" oc.

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

Refer to General Notes for additional information
Refer to DWG PB160101014 for piggyback details.
The overall height of this truss excluding overhang is
2-6-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

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

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

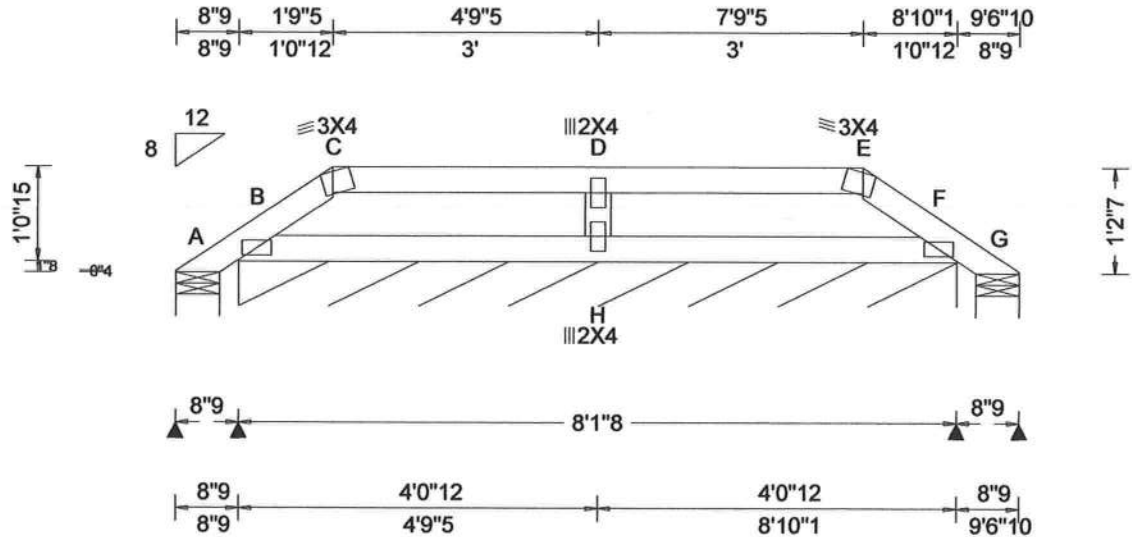
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SEQN: 318562 FROM: CDM	MONO Qty: 2	Ply: 1 Job Number: 20-4291 Lot 10 Rolling Meadows Truss Label: PB03	Cust: R215 JRef: 1WVO2150006 T25 DrwNo: 150.20.1644.35633 / YK 05/29/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Def/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF						
				Gravity			Non-Gravity			
				Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	A	7	/-	/-	/21	/19	/30
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.001 C 999 240	B*	92	/-	/-	/42	/-	/-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.003 C 999 180	G	7	/-	/-	/3	/2	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 H - -	Wind reactions based on MWFRS						
	EXP: C Kzt: NA		HORZ(TL): 0.002 H - -	A	Brg Width = 5.9		Min Req = 1.5			
Des Ld: 40.00	Mean Height: 15.54 ft		Creep Factor: 2.0	B	Brg Width = 97.5		Min Req = -			
NCBCLL: 10.00	TCDL: 5.0 psf		Max TC CSI: 0.131	G	Brg Width = 5.9		Min Req = 1.5			
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.132	Bearings A, B, & G are a rigid surface.						
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h		Max Web CSI: 0.041	Members not listed have forces less than 375#						
Spacing: 24.0 "	C&C Dist a: 3.00 ft									
	Loc. from endwall: not in 13.00 ft									
	GCpi: 0.18									
	Wind Duration: 1.60									

Lumber

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

Plating Notes

All plates are 2X4(A1) except as noted.

Purlins

In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" oc, all BC @ 24" oc.

Wind

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

Additional Notes

Refer to General Notes for additional information
Refer to DWG PB160101014 for piggyback details.
The overall height of this truss excluding overhang is 1-2-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
05/29/2020

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

CLR Reinforcing

Member Substitution

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

Notes:

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

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

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

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

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

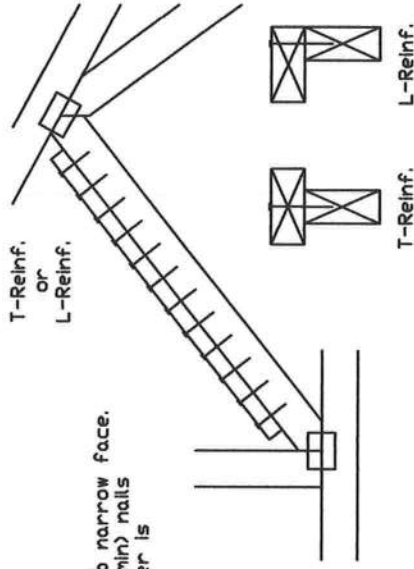
Ø Center scab on wide face of web. Apply (1) scab to each face of web.

T-Reinforcement

or

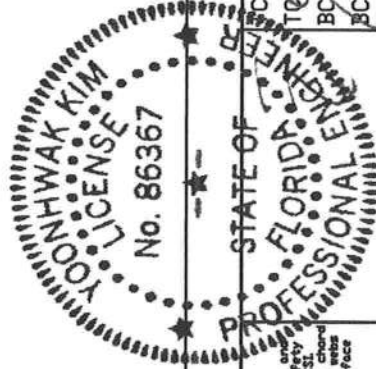
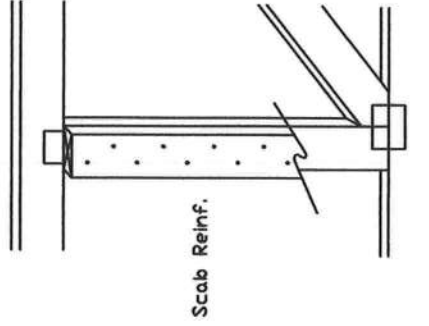
L-Reinforcement:

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



Scab Reinforcement:

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



IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the instructions on the truss manufacturer's literature. Trusses shall be installed by TPI and shall comply with the TPI and AISC specifications. Trusses shall be installed by TPI and shall comply with the TPI and AISC specifications. Trusses shall be installed by TPI and shall comply with the TPI and AISC specifications.

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13723 Rheepoint Drive
Suite 200
Marilyn Heights, MO 63043

PSF PSF PSF PSF PSF

REF DATE 01/02/19

DRWG BRCLBSUB0119

TOT. L.D.

DUR. FAC.

SPACING

NAIL SPACING DETAIL

MINIMUM SPACING FOR SINGLE BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

BLOCK LOCATION, SIZE, LENGTH, GRADE AND TOTAL NUMBER AND TYPE OF NAILS ARE TO BE SPECIFIED ON SEALED DESIGN REFERENCING THIS DETAIL.

LOAD PERPENDICULAR TO GRAIN

A - EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)

B - SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)

C - END DISTANCE (15 NAIL DIAMETERS)

LOAD PARALLEL TO GRAIN

A - EDGE DISTANCE (6 NAIL DIAMETERS)

C - SPACING OF NAILS IN A ROW AND END DISTANCE (15 NAIL DIAMETERS)

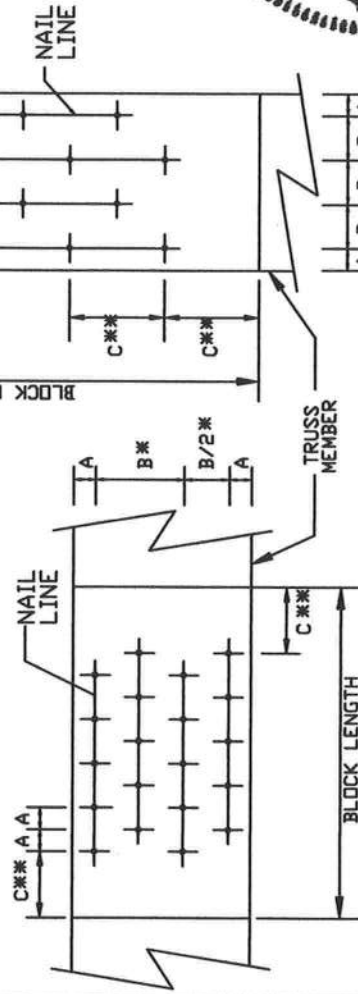
D - SPACING BETWEEN STAGGERED ROWS OF NAILS (7 1/2 NAIL DIAMETERS)

IF NAIL HOLES ARE PREBORED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW:

* SPACING MAY BE REDUCED BY 50%

** SPACING MAY BE REDUCED BY 33%

DIRECTION OF LOAD AND NAIL ROWS



LOAD APPLIED PERPENDICULAR TO GRAIN LOAD APPLIED PARALLEL TO GRAIN

IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING. TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO AND FOLLOW THE LATEST EDITION OF BCI Guiding Component Safety Information, by TPI and SDC for safety instructions to properly install these trusses. Truss installers shall provide temporary bracing per BCI and BCI Engineering shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web of truss and position as shown above and on the Joint Details, as applicable. Apply plates to each face of truss for all ITW Building Components Group Inc. shall not be responsible for any deviation from these drawings. Refer to drawings 104-2 for standard plate positions.

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



MINIMUM NAIL SPACING DISTANCES

NAIL TYPE	DISTANCES			
	A	B*	C**	D
8d BOX (0.113"X 2.5", MIN)	3/4"	1 3/8"	1 3/4"	7/8"
10d BOX (0.128"X 3", MIN)	7/8"	1 5/8"	2"	1"
12d BOX (0.128"X 3.25", MIN)	7/8"	1 5/8"	2"	1"
16d BOX (0.135"X 3.5", MIN)	7/8"	1 5/8"	2 1/8"	1 1/8"
20d BOX (0.148"X 4", MIN)	1"	1 7/8"	2 1/4"	1 1/8"
8d COMMON (0.131"X 2.5", MIN)	7/8"	1 5/8"	2"	1"
10d COMMON (0.148"X 3", MIN)	1"	1 7/8"	2 1/4"	1 1/8"
12d COMMON (0.148"X 3.25", MIN)	1"	1 7/8"	2 1/4"	1 1/8"
16d COMMON (0.162"X 3.5", MIN)	1"	2"	2 1/2"	1 1/4"
GUN (0.120"X 2.5", MIN)	3/4"	1 1/2"	1 7/8"	1"
GUN (0.131"X 2.5", MIN)	7/8"	1 5/8"	2"	1"
GUN (0.120"X 3", MIN)	3/4"	1 1/2"	1 7/8"	1"
GUN (0.131"X 3", MIN)	7/8"	1 5/8"	2"	1"

REF NAIL SPACE
DATE 10/01/14
DRWG CANNAILSP1014

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

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

Group A:

Spruce-Pine-Fir

#1 / #2	Standard
#3	Stud

Hem-Fir

#2	Stud
#3	Standard

Group B:

Douglas Fir-Larch

#3	Stud
	Standard

Southern Pine

#3	Stud
	Standard

1x4 Braces shall be SRB (Stress-Rated Board).

For 1x4 So. Pine use only Industrial S5 or Industrial 45 Stress-Rated Boards. Group B values may be used with these grades.

Gable Truss Detail Notes:
Wind Load deflection criterion is L/240.

Provide uplift connections for 55 plf over continuous bearing (5 psf TC Dead Load).
Gable end supports load from 4' 0" outlookers with 2' 0" overhang, or 12" plywood overhang.

Attach "L" braces with 10d (0.128"x3.0" min) nails.

* For (1) "L" braces: space nails at 2' o.c.

in 18" end zones and 4' o.c. between zones.

* For (2) "L" braces: space nails at 3' o.c.

in 18" end zones and 6' o.c. between zones.

"L" bracing must be a minimum of 80% of web member length.

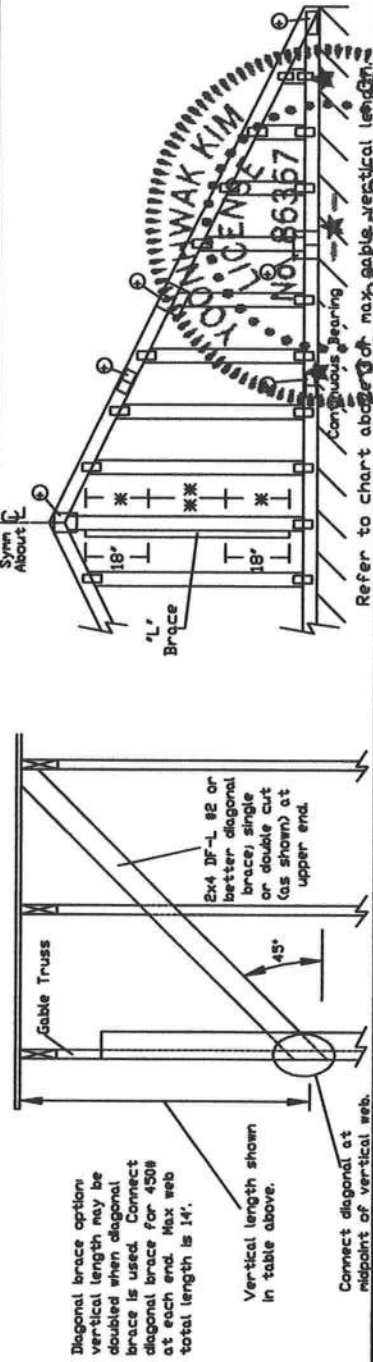
Gable Vertical Plate Sizes	
Vertical Length	No Splice
Less than 4' 0"	1X4 or 2X3
Greater than 4' 0"	3X4

- + Refer to common truss design for peak, splice, and heel plates.

Refer to the Building Designer for conditions not addressed by this detail.

REF	ASCE7-10-GABI40I5
DATE	10/01/14
DRWG	A140I5ENC10I014

MAX. TOT. LD. 60 PSF
MAX. SPACING 24.0"



Refer to chart above of maximum vertical length

IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING
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 AISC's *Guiding Component Safety Information*, by TPI and SCAQ for safety practices prior to performing these functions. Installers shall provide temporary bracing per AISC's *Guiding Component Safety Information*. Trusses shall have a property attached structural steeling and bottom chord bracing. Trusses shall have bracing installed per AISC sections 22, 27 or 311, as applicable. Apply plates to each face of trusses and position as shown above and on the BJT details, unless noted otherwise.

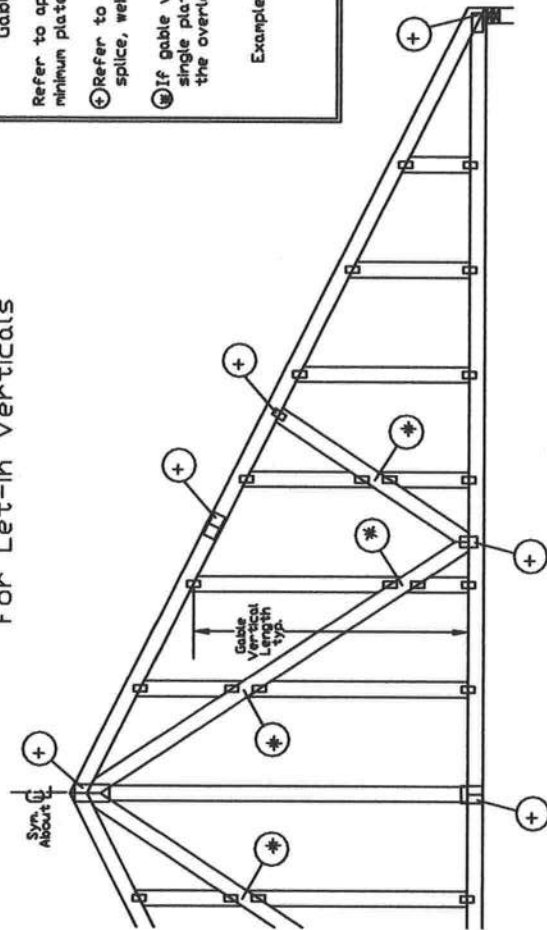
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26/06/20

95/29/2020
ELK # 278 Yoonhwak Kim EL PF #86367

95/29/2020
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Gable Detail For Let-in Verticals

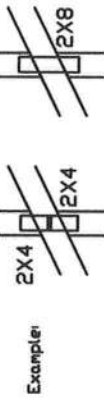


Gable Truss Plate Sizes

Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs.

⊕ Refer to Engineered truss design for peak, splice, web, and heel plates.

⊙ If gable vertical plates overlap, use a single plate that covers the total area of the overlapped plates to span the web.



'T' Reinforcement Attachment Detail
'T' Reinforcing Member
Toe-nail
- Dr -
End-nail



To convert from 'L' to 'T' reinforcing members, multiply 'T' increase by length based on appropriate Alpine gable detail.

Maximum allowable 'T' reinforced gable vertical length is 14' from top to bottom chord.
'T' reinforcing member material must match size, specie, and grade of the 'L' reinforcing member.

Web Length Increase w/ 'T' Brace

'T' Reinf. Mbr. Size	'T' Increase
2x4	30 %
2x6	20 %

Example:

ASCE 7-10 Wind Speed = 120 mph

Mean Roof Height = 30 ft, Kzt = 1.00

Gable Vertical = 24' o.c. SP #3

'T' Reinforcing Member Size = 2x4

'T' Brace Increase (From Above) = 30% = 1.30

(1) 2x4 'L' Brace Length = 8' 7"

Maximum 'T' Reinforced Gable Vertical Length

1.30 x 8' 7" = 11' 2"

Provide connections for uplift specified on the engineered truss design.

Attach each 'T' reinforcing member with

End Driven Nails:

10d Common (0.148"x 3" min) Nails at 4' o.c. plus

(4) nails in the top and bottom chords.

Toenailed Nails:

10d Common (0.148"x 3" min) Toenails at 4' o.c. plus

(4) toenails in the top and bottom chords.

This detail to be used with the appropriate Alpine gable detail for ASCE wind load.

ASCE 7-05 Gable Detail Drawings

A13015051014, A12015051014, A11015051014, A10015051014, A14015051014, A13030051014, A12030051014, A11030051014, A10030051014

ASCE 7-10 & ASCE 7-16 Gable Detail Drawings

A1151505100118, A1201505100118, A1401505100118, A1001505100118, A1301505100118, A1201505100118, A1101505100118, A1001505100118

A1153005100118, A1203005100118, A1403005100118, A1003005100118, A1303005100118, A1203005100118, A1103005100118, A1003005100118

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A1153005100118, A1203005100118, A1403005100118, A1003005100118, A1303005100118, A1203005100118, A1103005100118, A1003005100118

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

STATE OF FLORIDA

PROFESSIONAL ENGINEER

Yoonhwak Kim, FL PE #86367

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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI Guiding Component Safety Information, by TPI and SCSA for safety practices prior to performing these functions. Installers shall provide temporary bracing per SCSA. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI and SCSA. All bracing shall be installed per BCSI and SCSA. Refer to drawings 150A-2 for standard plate positions.

Alpine, a division of ITV 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 & bracing of trusses.

A seal on this drawing or cover page listing this drawing, indicating acceptance of professional responsibility for the design and construction of the building structure is the responsibility of the professional engineer for any structure in conformance with the Building Inspector per ANSI/TPI 1, SCSA.

For more information see this job's general notes page and these web sites: www.alpine.com TPI: www.tpi.com SCSA: www.scsa.com ID: www.id.com



13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

REF LET-IN VERT

DATE 01/02/2018

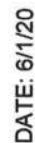
DRWG GBLLETIN0118

MAX. TOT. LD. 60 PSF

DUR. FAC. ANY

MAX. SPACING 24.0"

JOB #: 20-4291



W.B. Howland Truss Co.
610 11th St. SW
Live Oak, FL 32064
(386) 362-1235
(386) 362-7124 (Fax)
howlandtruss@gmail.com