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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: 20-4381
Job Description: LOT 88 ROLLING MEADOWS	
Address: FL	

Job Engineering Criteria:
Design Code: FBC 2017 RES
IntelliVIEW Version: 19.02.02B
JRef #: 1VWVe2150003
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, 54 truss drawing(s) and 5 detail(s).

Item	Drawing Number	Truss
1	176.20.1640.29437	A01
3	176.20.1640.33107	A03
5	176.20.1640.56323	A05
7	176.20.1641.01560	A07
9	176.20.1641.09467	B02
11	176.20.1641.14303	C01
13	176.20.1641.27173	C03
15	176.20.1641.32603	D02
17	176.20.1641.38673	D04
19	176.20.1641.44643	D06
21	176.20.1642.28950	D08
23	176.20.1642.33987	G02
25	176.20.1642.45910	G04
27	176.20.1643.10903	HJ1
29	176.20.1643.25363	HJ3
31	176.20.1643.28183	J1
33	176.20.1643.33240	J1A
35	176.20.1643.36687	J3
37	176.20.1643.41317	J5
39	176.20.1643.43953	J5B
41	176.20.1643.47070	J7
43	176.20.1643.51097	J9
45	176.20.1643.54663	K02
47	176.20.1644.19937	P01
49	176.20.1644.24213	P03
51	176.20.1644.27380	V2

Item	Drawing Number	Truss
2	176.20.1640.31453	A02
4	176.20.1640.53133	A04
6	176.20.1640.59013	A06
8	176.20.1641.04470	B01
10	176.20.1641.11893	B03
12	176.20.1641.16180	C02
14	176.20.1641.29997	D01
16	176.20.1641.35623	D03
18	176.20.1641.42197	D05
20	176.20.1641.46707	D07
22	176.20.1642.31343	G01
24	176.20.1642.42723	G03
26	176.20.1643.04000	H01
28	176.20.1643.23430	HJ2
30	176.20.1643.26637	HJ4
32	176.20.1643.30847	J10
34	176.20.1643.34963	J1B
36	176.20.1643.39067	J4
38	176.20.1643.42590	J5A
40	176.20.1643.45140	J6
42	176.20.1643.48250	J8
44	176.20.1643.52830	K01
46	176.20.1644.18090	K03
48	176.20.1644.22353	P02
50	176.20.1644.26147	V1
52	176.20.1644.28440	V3



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Site Information:	Page 2:
Customer: W. B. Howland Company, Inc.	Job Number: 20-4381
Job Description: LOT 88 ROLLING MEADOWS	
Address: FL	

Item	Drawing Number	Truss
53	176.20.1644.29440	V4
55	BRCLBSUB0119	
57	GBLLETIN0118	
59	VAL160101014	

Item	Drawing Number	Truss
54	176.20.1644.31790	V5
56	A14015ENC101014	
58	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 SBICA), or as specified by the Building Designer or other Registered Design Professional. The required locations for lateral restraint and/or bracing depicted on these drawings are only for the permanent lateral support of the truss members to reduce buckling lengths, and do not apply to and may not be relied upon for the temporary stability of the truss components during their installation.

Permanent Lateral Restraint and Bracing:

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

Connector Plate Information:

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

Fire Retardant Treated Lumber:

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

General Notes (continued)

Key to Terms:

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

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

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

CL = Certified lumber.

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

FRT = Fire Retardant Treated lumber.

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

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

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

g = green lumber.

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

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

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

Ic = Incised lumber.

FJ = Finger Jointed lumber.

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

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

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

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

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

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

NBCCLL = 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.

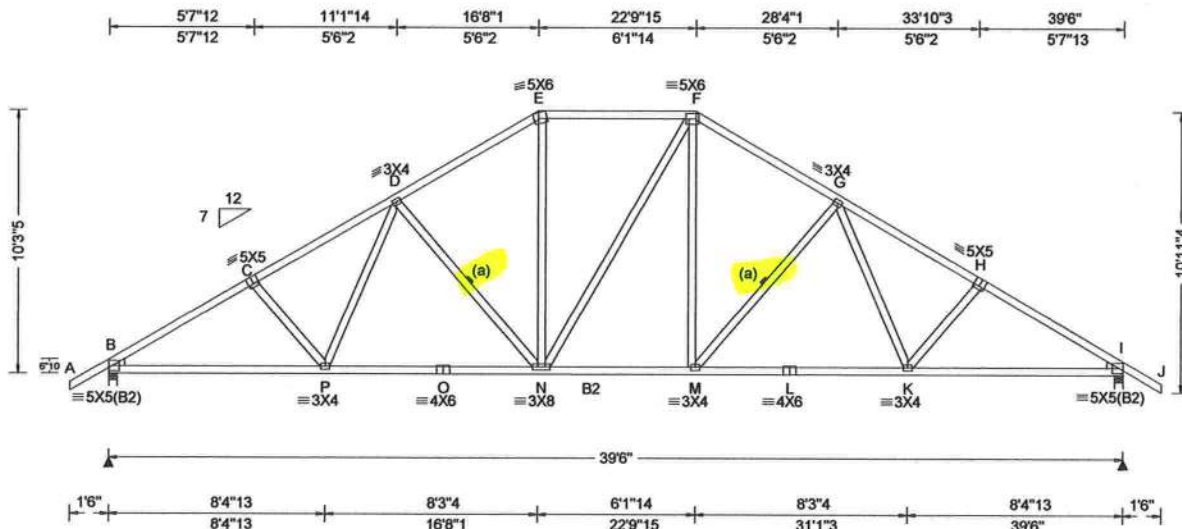
Refer to ASCE-7 for Wind and Seismic abbreviations.

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: 325004 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: A01	Cust: R215 JRef: 1WWe2150003 T20 DrwNo: 176.20.1640.29437 / YK 06/24/2020
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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: 15.56 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.95 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.150 M 999 240 VERT(CL): 0.308 M 999 180 HORZ(LL): 0.069 K - - HORZ(TL): 0.141 K - - Creep Factor: 2.0 Max TC CSI: 0.803 Max BC CSI: 0.757 Max Web CSI: 0.464 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 1744 -/- /- /1058 /264 /337 I 1744 -/- /- /1058 /264 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 I Brg Width = 4.0 Min Req = 1.5 Bearings B & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

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

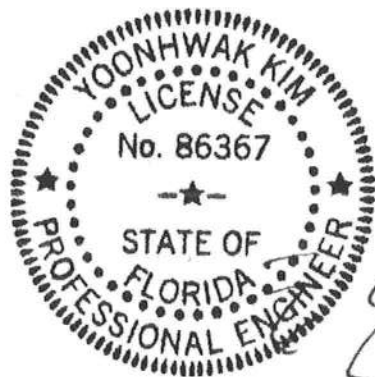
The overall height of this truss excluding overhang is 10'-3-5.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - P	2213 -296	M - L	1938 -204
P - O	1938 -192	L - K	1938 -204
O - N	1938 -192	K - I	2212 -310
N - M	1593 -76		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
P - D	415 -68	F - M	573 -133
D - N	200 -541	M - G	199 -540
E - N	573 -144	G - K	412 -68



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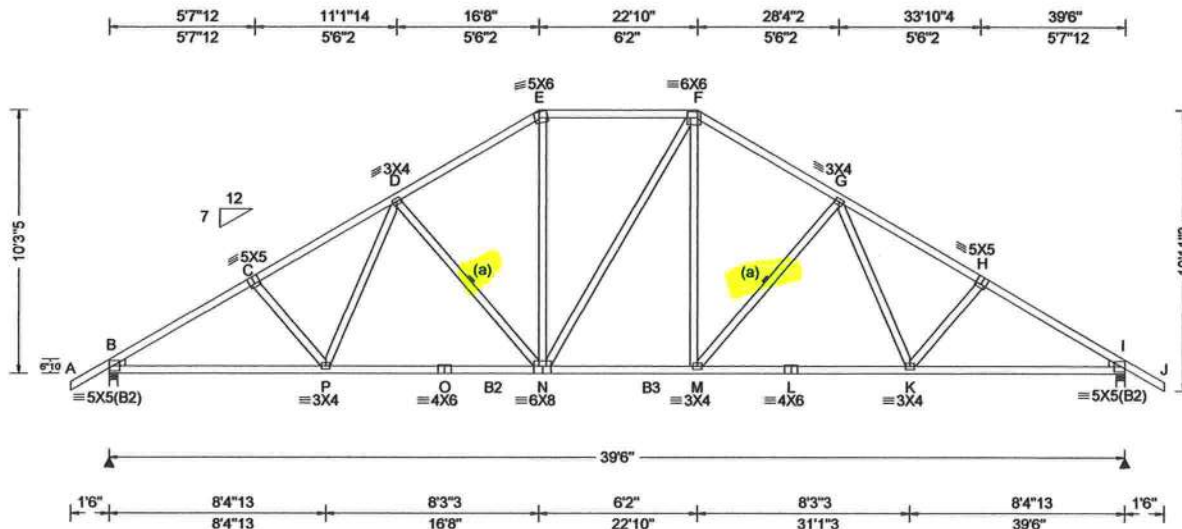
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

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

For more information see these web sites: Alpine: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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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	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): 0.150 M 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.308 M 999 180	B 1744 /- /- /1050 /301 /310
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.069 K - -	I 1744 /- /- /1050 /301 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.141 K - -	Wind reactions based on MWFRS
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	B Brg Width = 4.0 Min Req = 1.5
Soffit: 2.00	TCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.803	I Brg Width = 4.0 Min Req = 1.5
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.742	Bearings B & I are a rigid surface.
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes	Max Web CSI: 0.402	Members not listed have forces less than 375#
	C&C Dist a: 3.95 ft	FT/RT:20(0)/10(0)		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	VIEW Ver. 19.02.02B.0122.15	B - C 589 -2679 F - G 559 -1936
	Wind Duration: 1.60			

Lumber

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

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



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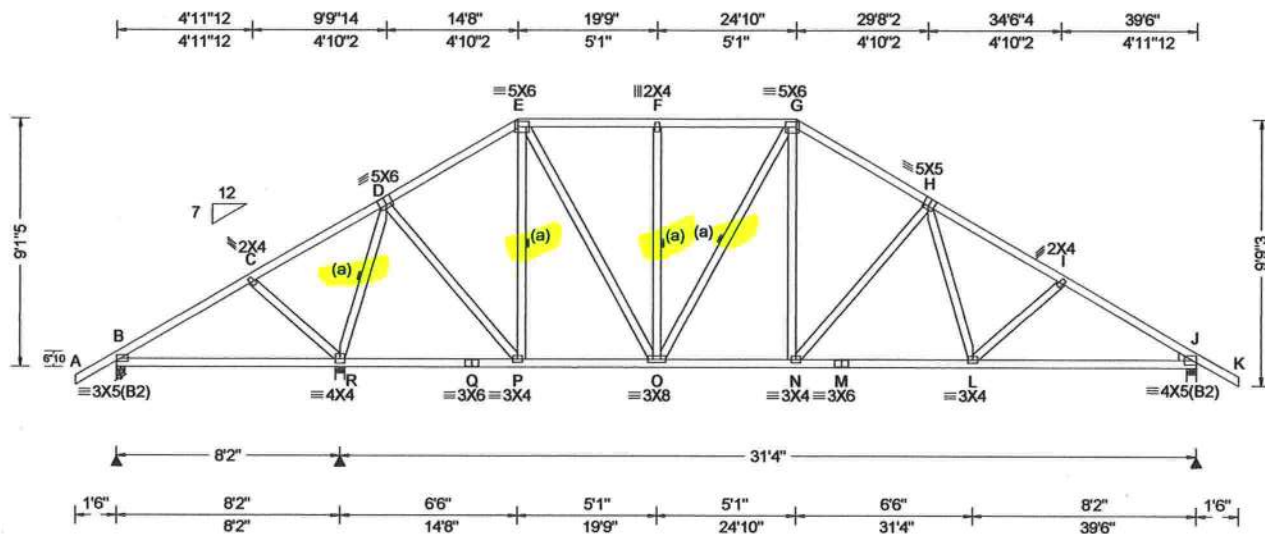
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Components Institute) literature, and the following BCSI safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, use top chord safety cables and attach to the truss top chord. Install cables at a primary bracing point. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, and B10 as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.

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For more information see these web sites: Alpine: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org



SEQN: 325006 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: A03	Cust: R215 JRef: 1WWe2150003 T21 DrwNo: 176.20.1640.33107 / YK 06/24/2020
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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: 3.95 ft Loc. from endwall: not in 9.00 ft GCPI: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.079 H 999 240 VERT(CL): 0.162 H 999 180 HORZ(LL): 0.031 L - - HORZ(TL): 0.064 L - - Creep Factor: 2.0 Max TC CSI: 0.621 Max BC CSI: 0.892 Max Web CSI: 0.568 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 340 /- /- /198 /38 /278 R 1894 /- /- /1066 /335 /- J 1362 /- /- /879 /236 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 R Brg Width = 4.0 Min Req = 1.9 J Brg Width = 4.0 Min Req = 1.6 Bearings B, R, & 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;
Rt Wedge: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Purlins

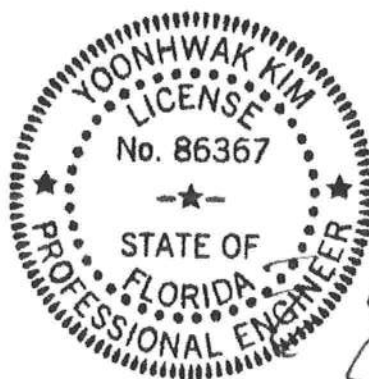
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Additional Notes

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



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Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
P - O	641 -45	M - L	1396 -207
O - N	1084 -95	L - J	1620 -296
N - M	1396 -207		

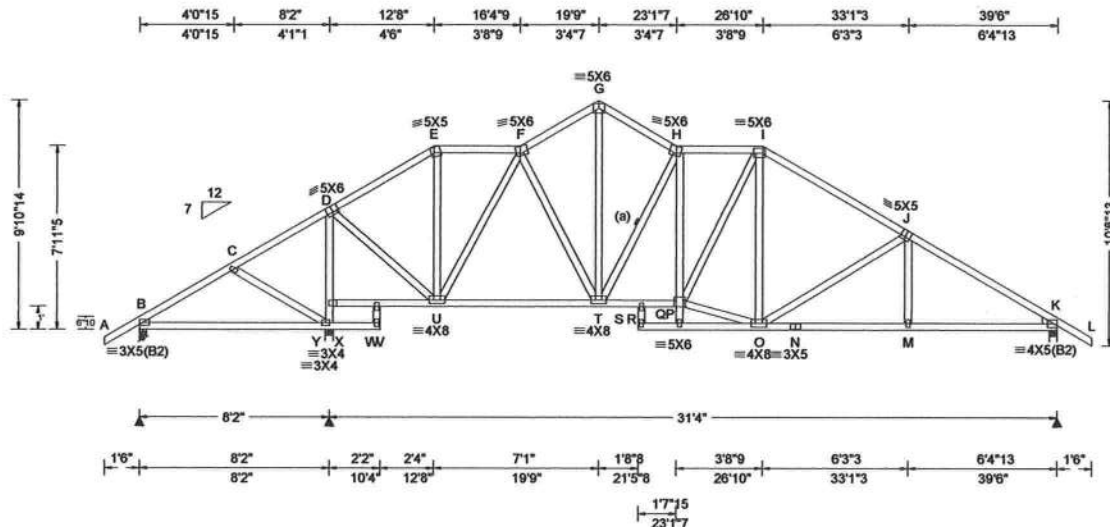
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
R - D	393 -1564	E - O	696 -180
D - P	850 -159	G - N	506 -121
E - P	140 -550	N - H	175 -490

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For more information see these web sites: Alpine: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 325007 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: A04	Cust: R215 JRef: 1WWe2150003 T18 DrwNo: 176.20.1640.53133 / YK 06/24/2020
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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: 3.95 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.092 P 999 240 VERT(CL): 0.188 P 999 180 HORZ(LL): 0.027 M - - HORZ(TL): 0.057 M - - Creep Factor: 2.0 Max TC CSI: 0.657 Max BC CSI: 0.861 Max Web CSI: 0.985 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 369 -/- /- /200 /101 /298 Y 1796 -/- /- /1153 /250 -/- K 1384 -/- /- /894 /250 -/- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 Y Brg Width = 4.0 Min Req = 1.7 K Brg Width = 4.0 Min Req = 1.6 Bearings B, Y, & 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;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Rt Wedge: 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
The overall height of this truss excluding overhang is 9'-10"-14".
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).



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Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
U - T	1087 -179	O - N	1635 -353
T - R	1484 -268	N - M	1635 -353
R - P	1465 -264	M - K	1637 -352

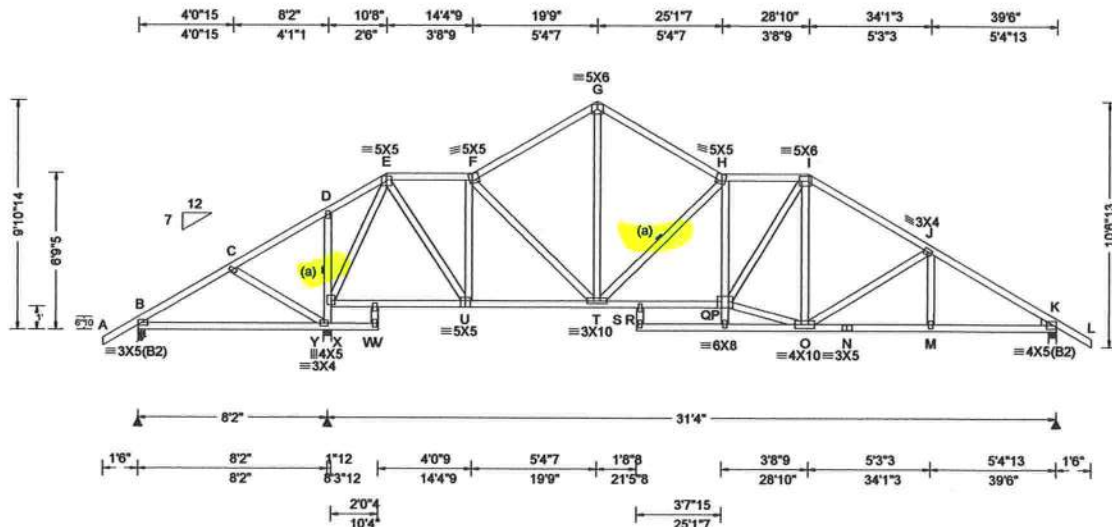
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
Y - X	343 -1493	T - H	330 -948
X - D	338 -1501	P - O	1287 -223
D - U	1081 -184	P - I	470 -115
U - F	243 -851	O - J	160 -450
G - T	981 -384		

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

SEQN: 325008 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: A05	Cust: R 215 JRef: 1WW2150003 T17 DrwNo: 176.20.1640.56323 / YK 06/24/2020
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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: 3.95 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.107 H 999 240 VERT(CL): 0.221 H 999 180 HORZ(LL): 0.028 M - - HORZ(TL): 0.060 M - - Creep Factor: 2.0 Max TC CSI: 0.635 Max BC CSI: 0.914 Max Web CSI: 0.949 VIEW Ver. 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 378 - / - / /205 /106 /298 Y 1767 - / - / /1136 /243 - K 1390 - / - / /889 /251 - Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 Y Brg Width = 4.0 Min Req = 1.7 K Brg Width = 4.0 Min Req = 1.6 Bearings B, Y, & 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;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Rt Wedge: 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.

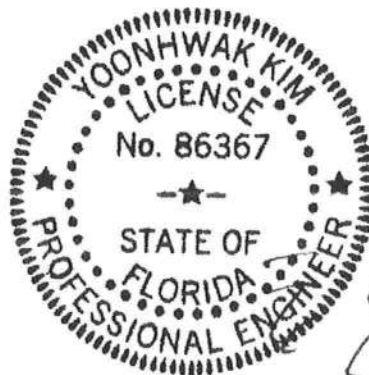
Wind

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

Additional Notes

The overall height of this truss excluding overhang is 9'-10"-14".

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).

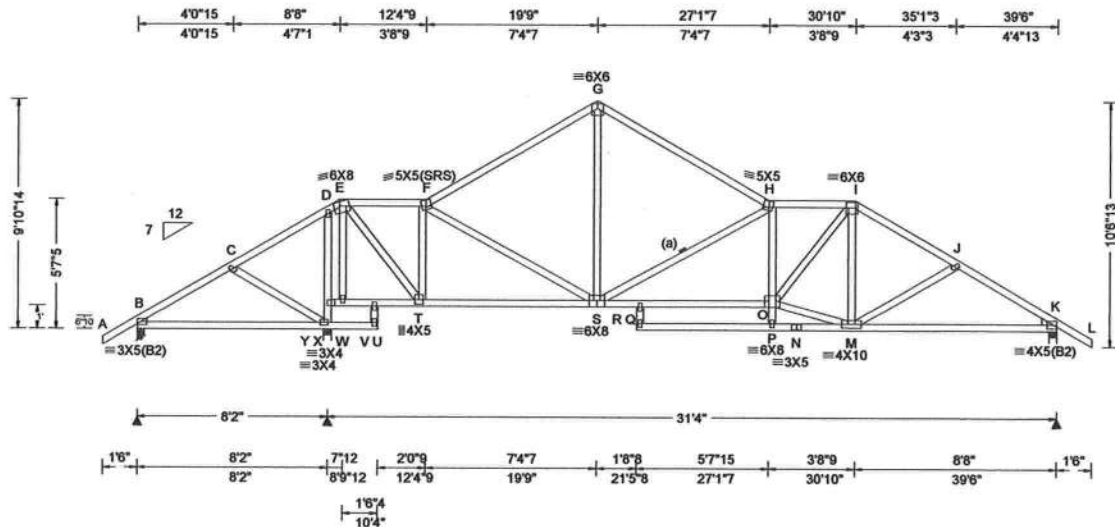


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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 325009 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: A06	Cust: R 215 JRef: 1WWe2150003 T16 DrwNo: 176.20.1640.59013 / YK 06/24/2020
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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: 3.95 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.143 H 999 240 VERT(CL): 0.295 H 999 180 HORZ(LL): 0.048 M - - HORZ(TL): 0.103 M - - Creep Factor: 2.0 Max TC CSI: 0.894 Max BC CSI: 0.934 Max Web CSI: 0.694 VIEW Ver. 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 376 -/- /204 /99 /298 Y 1770 -/- /1118 /253 -/- K 1390 -/- /882 /249 -/- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 Y Brg Width = 4.0 Min Req = 1.7 K Brg Width = 4.0 Min Req = 1.6 Bearings B, Y, & 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;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Rt Wedge: 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

The overall height of this truss excluding overhang is 9'-10"-14".

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).



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Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
T - S	1037 -202	Q - O	2248 -469
S - Q	2294 -478	M - K	1665 -390

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
Y - X	345 -1467	G - S	783 -243
D - X	289 -1115	S - H	437 -1388
E - W	70 -511	O - M	1493 -286
E - T	1663 -406	O - I	1194 -299
T - F	329 -1111		

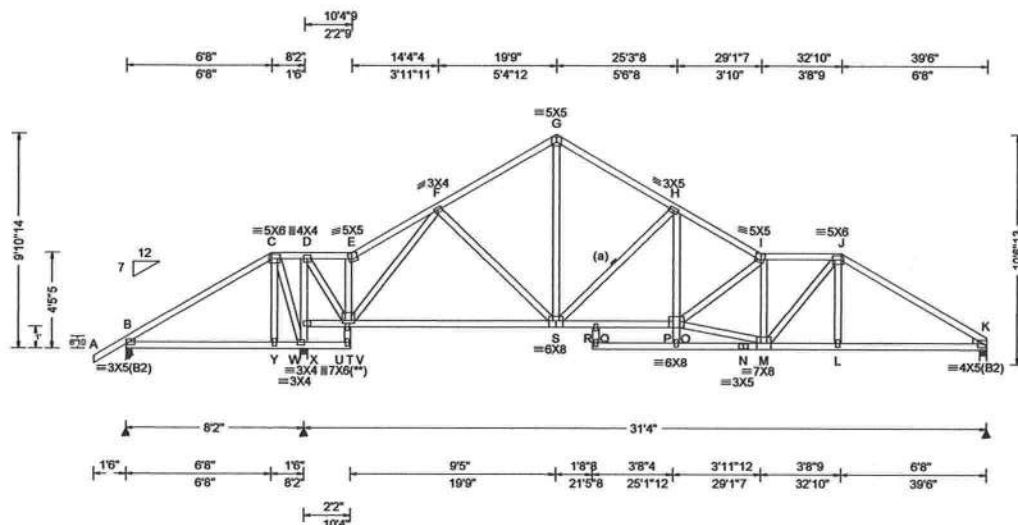
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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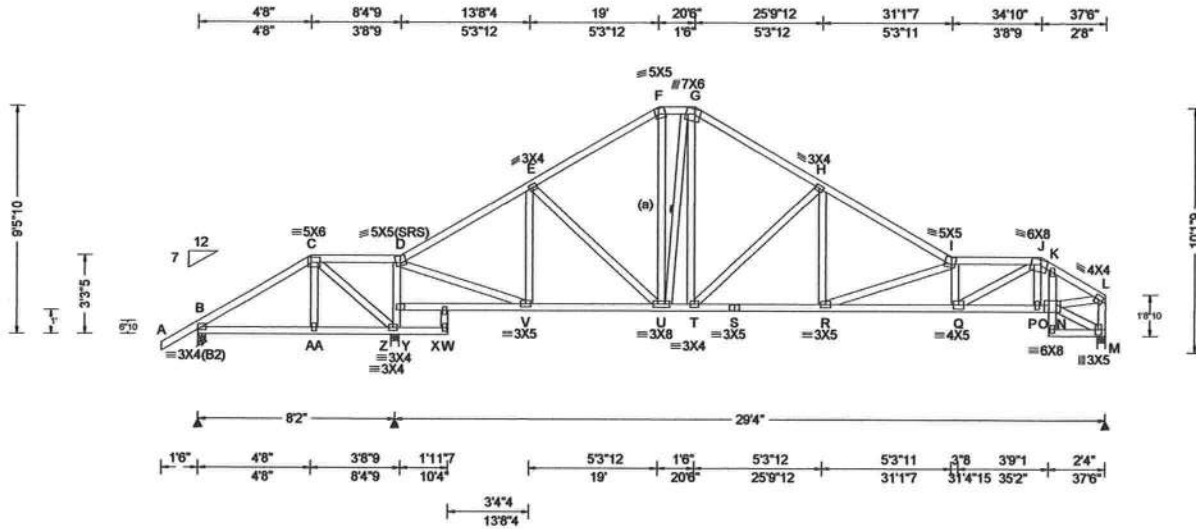
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6750 Forum Drive
Suite 305
Orlando FL, 32821



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/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.120 O 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.247 O 999 180	B 384 /- /- /147 /87 /282
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.031 G - -	X 1799 /- /- /1101 /269 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.064 G - -	K 1277 /- /- /772 /219 /-
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	Wind reactions based on MWFRS
Soffit: 2.00	TCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.708	B Brg Width = 3.5 Min Req = 1.5
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.853	X Brg Width = 4.0 Min Req = 1.7
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes	Max Web CSI: 0.817	K Brg Width = 4.0 Min Req = 1.5
	C&C Dist a: 3.95 ft	FT/RT:20(0)/10(0)		Bearings B, X, & K are a rigid surface.
	Loc. from endwall: not in 9.00 ft	Plate Type(s):		Members not listed have forces less than 375#
	GCpi: 0.18	WAVE		Maximum Top Chord Forces Per Ply (lbs)
	Wind Duration: 1.60		VIEW Ver: 19.02.02B.0122.15	Chords Tens.Comp Chords Tens.Comp

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6750 Forum Drive
Suite 305
Orlando FL 32821

SEQN: 325011 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: B01	Cust: R 215 JRef: 1WWe2150003 T15 DrwNo: 176.20.1641.04470 / YK 06/24/2020
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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: 3.75 ft Loc. from endwall: not in 9.00 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.123 I 999 240 VERT(CL): 0.254 I 999 180 HORZ(LL): 0.049 M - - HORZ(TL): 0.101 M - - Creep Factor: 2.0 Max TC CSI: 0.378 Max BC CSI: 0.783 Max Web CSI: 0.948 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 389 /- /- /186 /64 /246 Z 1689 /- /- /1008 /285 /- M 1193 /- /- /696 /200 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 Z Brg Width = 4.0 Min Req = 1.6 M Brg Width = 4.0 Min Req = 1.5 Bearings B, Z, & 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.

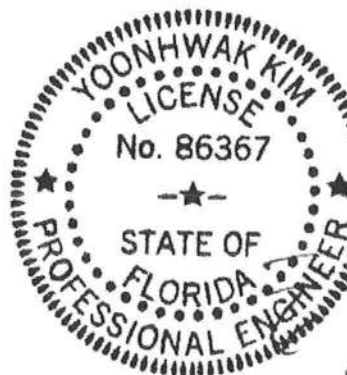
Wind

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

Additional Notes

The overall height of this truss excluding overhang is 9'-5"-10'.

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).



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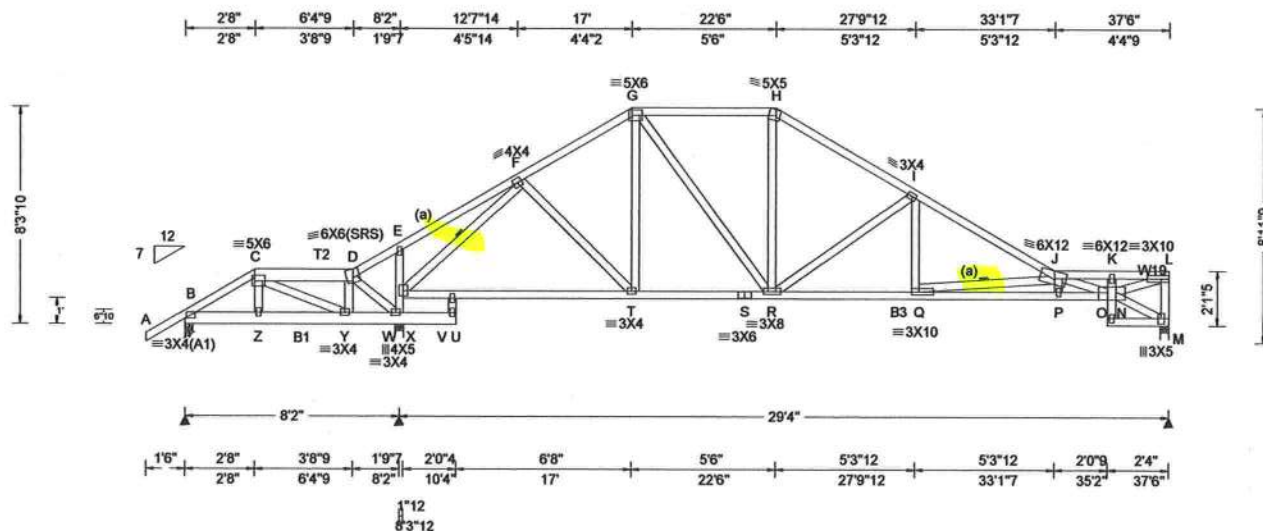
Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
V - U	997 -163	R - Q	3011 -750
U - T	1023 -119	Q - P	1540 -383
T - S	1670 -330	P - N	1583 -393
S - R	1670 -330		

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
C - Z	107 -400	H - R	637 -144
Z - Y	365 -1346	R - I	443 -1407
Y - D	365 -1323	I - Q	225 -752
D - V	1235 -217	Q - J	1571 -386
G - T	656 -186	N - L	1531 -381
T - H	294 -902	L - M	308 -1152

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 325057 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: B02	Cust: R 215 JRef: 1WWe2150003 T10 DrwNo: 176.20.1641.09467 / YK 06/24/2020
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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: 3.75 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.250 J 999 240 VERT(CL): 0.514 J 687 180 HORZ(LL): 0.101 M - - HORZ(TL): 0.209 M - - Creep Factor: 2.0 Max TC CSI: 0.687 Max BC CSI: 0.734 Max Web CSI: 0.846 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 615 - / - / 186 / 158 / 211 X 1926 - / - / 998 / 343 - M 1198 - / - / 675 / 226 - Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 X Brg Width = 4.0 Min Req = 1.5 M Brg Width = 4.0 Min Req = 1.5 Bearings B, X, & 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; T2 2x6 SP 2400f-2.0E;
Bot chord: 2x4 SP #2; B1 2x6 SP 2400f-2.0E;
B3 2x4 SP M-31;
Webs: 2x4 SP #3; 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 63 plf at -1.50 to 63 plf at 37.50
BC: From 5 plf at -1.50 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 37.50
TC: 108 lb Conc. Load at 2.70
TC: 79 lb Conc. Load at 4.85, 6.32
BC: 117 lb Conc. Load at 2.70
BC: 51 lb Conc. Load at 4.85, 6.32

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.
Right end vertical not exposed to wind pressure.
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).

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

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - Z	512 -118	S - R	1037 -199
Z - Y	521 -114	R - Q	2038 -465
W - V	963 -210	Q - P	5227 -1348
V - T	931 -209	P - N	5163 -1325
T - S	1037 -199		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
D - X	160 -538	Q - J	886 -3190
X - W	396 -1407	J - P	167 -503
W - F	390 -1655	J - N	409 -1644
R - H	426 -98	N - L	3444 -895
R - I	299 -985	L - M	302 -1099
I - Q	670 -134		



FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

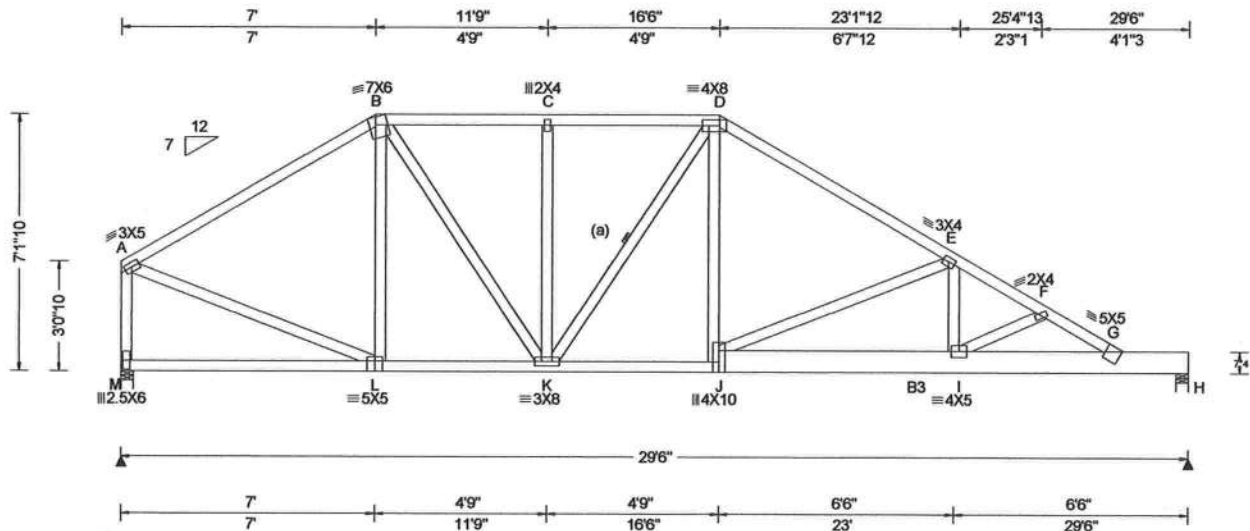
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 325012 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: B03	Cust: R 215 JRef: 1WWe2150003 T13 DrwNo: 176.20.1641.11893 / YK 06/24/2020
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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 Building 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): 0.148 I 999 240 VERT(CL): 0.307 I 999 180 HORZ(LL): 0.046 B - - HORZ(TL): 0.096 B - - Creep Factor: 2.0 Max TC CSI: 0.817 Max BC CSI: 0.702 Max Web CSI: 0.976 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL M 1226 /- /- /651 /213 /149 H 1221 /- /- /682 /172 /- Wind reactions based on MWFRS M Brg Width = 4.0 Min Req = 1.5 H Brg Width = 4.0 Min Req = 1.5 Bearings M & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 341 - 1262 D - E 443 - 1665 B - C 410 - 1282 E - F 614 - 2658 C - D 409 - 1282 F - G 589 - 2620

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B3 2x8 SP 2400F-2.0E;
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.

Left end vertical not exposed to wind pressure.

Additional Notes

The overall height of this truss excluding overhang is 7'-1-10.

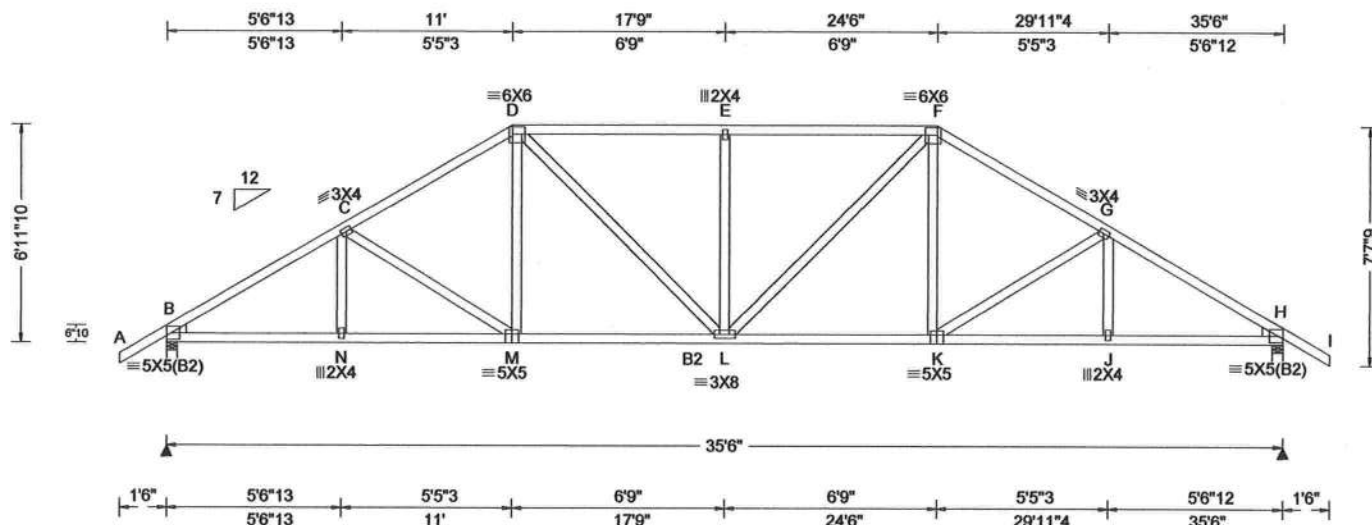


FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

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

SEQN: 325013 FROM: CDM	HIPS Ply: 1 Qty: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: C01	Cust: R 215 JRef: 1WW2150003 T3 DrwNo: 176.20.1641.14303 / YK 06/24/2020
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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: 3.55 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.134 E 999 240 VERT(CL): 0.274 E 999 180 HORZ(LL): 0.056 J - - HORZ(TL): 0.115 J - - Creep Factor: 2.0 Max TC CSI: 0.697 Max BC CSI: 0.666 Max Web CSI: 0.384 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1578 /- /- /933 /280 /216 H 1578 /- /- /933 /280 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 H Brg Width = 4.0 Min Req = 1.5 Bearings B & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 554 -2360 E - F 588 -1984 C - D 549 -2038 F - G 550 -2038 D - E 588 -1984 G - H 553 -2360

Lumber

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

Purlins

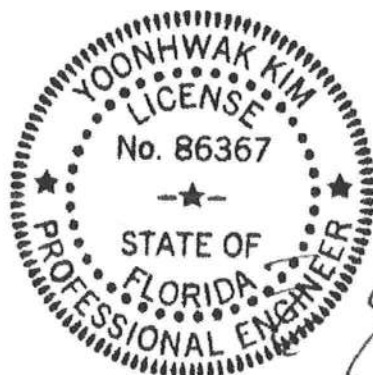
In lieu of structural panels use purlins to brace all flat
TC @ 24" oc.

Wind

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

Additional Notes

The overall height of this truss excluding overhang is
6-11-10.



FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - N	1942 -361	L - K	1693 -284
N - M	1941 -362	K - J	1941 -387
M - L	1693 -277	J - H	1942 -387

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
D - M	386 -54	L - F	409 -109
D - L	409 -109	F - K	386 -54
E - L	175 -443		

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

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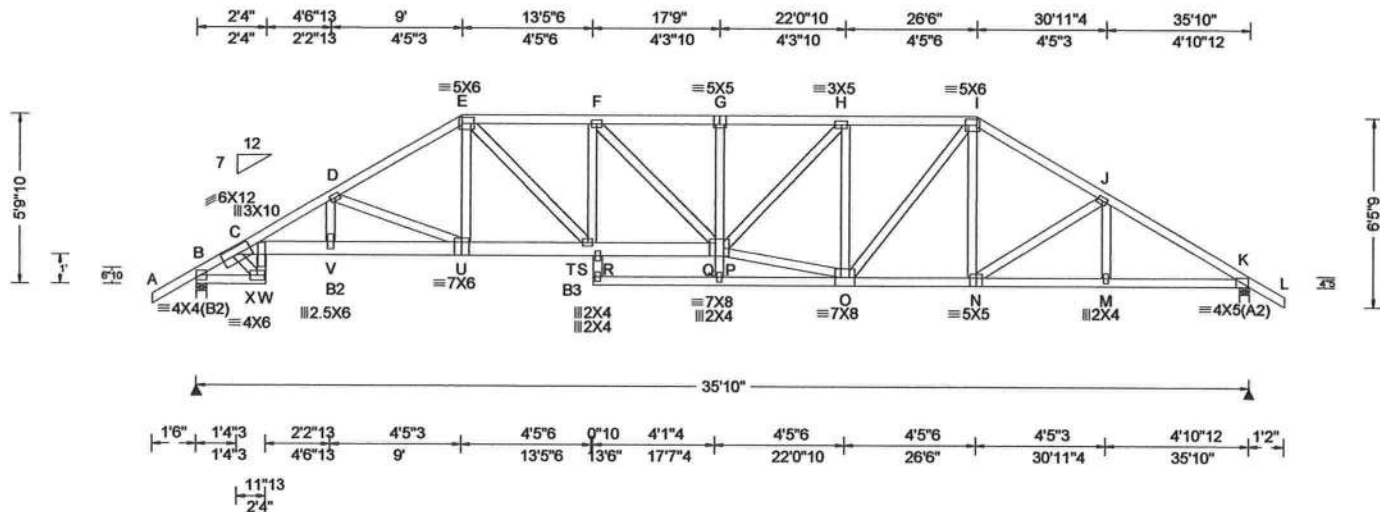
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 325014 FROM: CDM	HIPS Ply: 1 Qty: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: C02	Cust: R 215 JRef: 1WWe2150003 T31 DrwNo: 176.20.1641.16180 / YK 06/24/2020
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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: 3.58 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.224 G 999 240 VERT(CL): 0.458 G 933 180 HORZ(LL): 0.119 M - - HORZ(TL): 0.243 M - - Creep Factor: 2.0 Max TC CSI: 0.651 Max BC CSI: 0.744 Max Web CSI: 0.880 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1589 - / - / 926 / 285 / 185 K 1572 - / - / 914 / 279 / - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.9 K Brg Width = 4.0 Min Req = 1.9 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 478 - 1987 G - H 810 - 3059 C - D 855 - 3746 H - I 651 - 2270 D - E 674 - 2680 I - J 593 - 2209 E - F 745 - 2770 J - K 603 - 2508 F - G 812 - 3071

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B2, B3 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3;

Plating Notes
All plates are 3X4 except as noted.

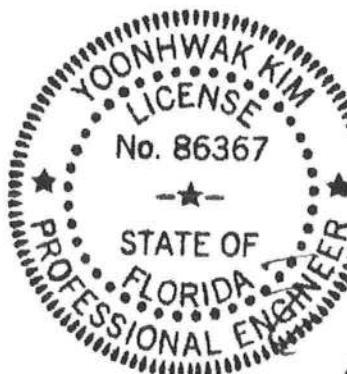
Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

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

Additional Notes
The overall height of this truss excluding overhang is 5-9-10.
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).

Chords	Tens.Comp.	Chords	Tens. Comp.
B - W	1497 - 306	T - R	2807 - 559
C - X	3295 - 658	R - P	2774 - 551
X - V	3234 - 645	O - N	1849 - 348
V - U	3209 - 642	N - M	2093 - 444
U - T	2251 - 411	M - K	2094 - 443

Webs	Tens.Comp.	Webs	Tens. Comp.
C - W	469 - 2299	T - F	176 - 557
X - W	1514 - 299	F - P	381 - 82
V - D	629 - 92	P - H	1092 - 223
D - U	266 - 1042	P - O	2310 - 456
E - U	502 - 92	H - O	271 - 1065
E - T	745 - 196	O - I	669 - 177

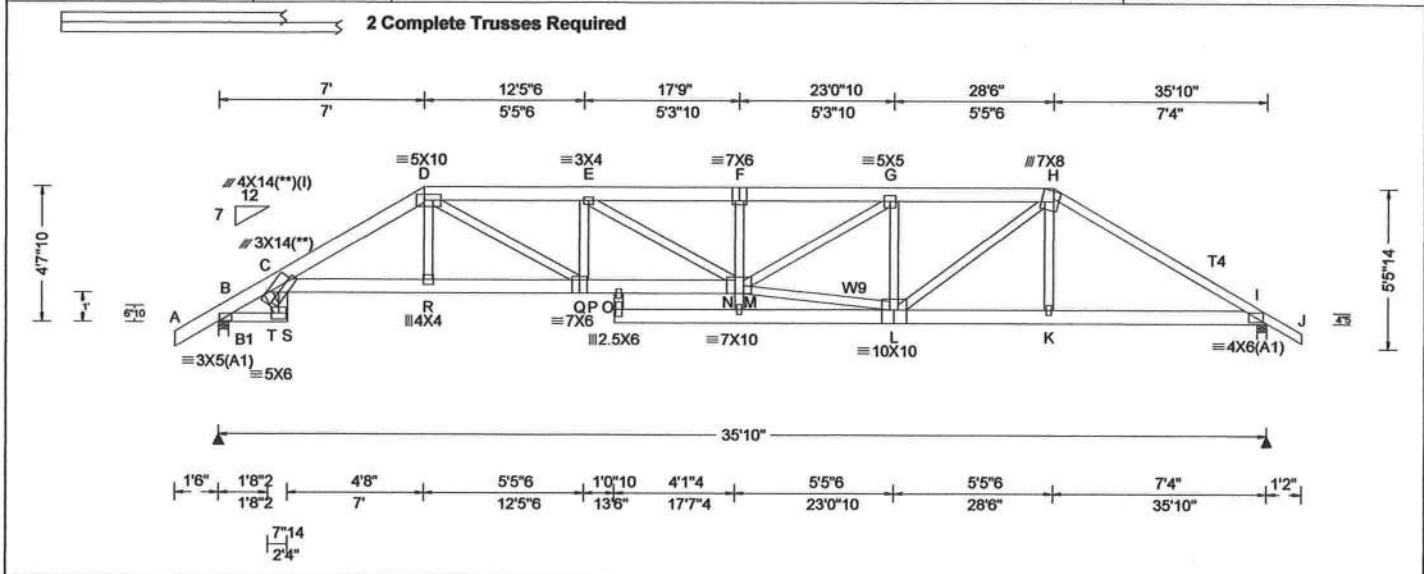


FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

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

SEQN: 325080 FROM: CDM	HIPS Ply: 2 Qty: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: C03	Cust: R 215 JRef: 1WWe2150003 T48 DrwNo: 176.20.1641.27173 / YK 06/24/2020
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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: 3.58 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 Building 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): 0.233 F 999 240 VERT(CL): 0.484 F 880 180 HORZ(LL): 0.119 K - - HORZ(TL): 0.248 K - - Creep Factor: 2.0 Max TC CSI: 0.440 Max BC CSI: 0.703 Max Web CSI: 0.759 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 3103 /- /- /- /520 /- I 3079 /- /- /- /512 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.8 I Brg Width = 4.0 Min Req = 1.5 Bearings B & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 276 -1636 F - G 749 -4697 C - D 571 -3511 G - H 515 -3218 D - E 654 -4091 H - I 446 -2714 E - F 755 -4730

Lumber
Top chord: 2x6 SP 2400f-2.0E; T4 2x4 SP #2;
Bot chord: 2x6 SP 2400f-2.0E; B1 2x4 SP #2;
Webs: 2x4 SP #3; W9 2x4 SP #2;

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.

Plating Notes
All plates are 2X4 except as noted.
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Loading
#1 hip supports 7-0-0 jacks W/2 panel TC and no end vert.
Left side jacks have 7-0-0 setback with 0-0-0 cant and 1-6-0 overhang. End jacks have 7-0-0 setback with 0-0-0 cant and 1-6-0 overhang. Right side jacks have 7-0-0 setback with 0-0-0 cant and 1-6-0 overhang.

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

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).



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - S	1038 -178	Q - O	4139 -666
C - T	3221 -517	O - M	4095 -657
T - R	3088 -494	L - K	2319 -370
R - Q	3122 -498	K - I	2305 -369

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - S	360 -2109	M - G	1672 -263
T - S	1716 -286	M - L	3193 -510
D - R	748 -75	G - L	226 -1106
D - Q	1126 -182	L - H	1135 -183
Q - E	135 -533	K - H	416 -16
E - M	686 -103		

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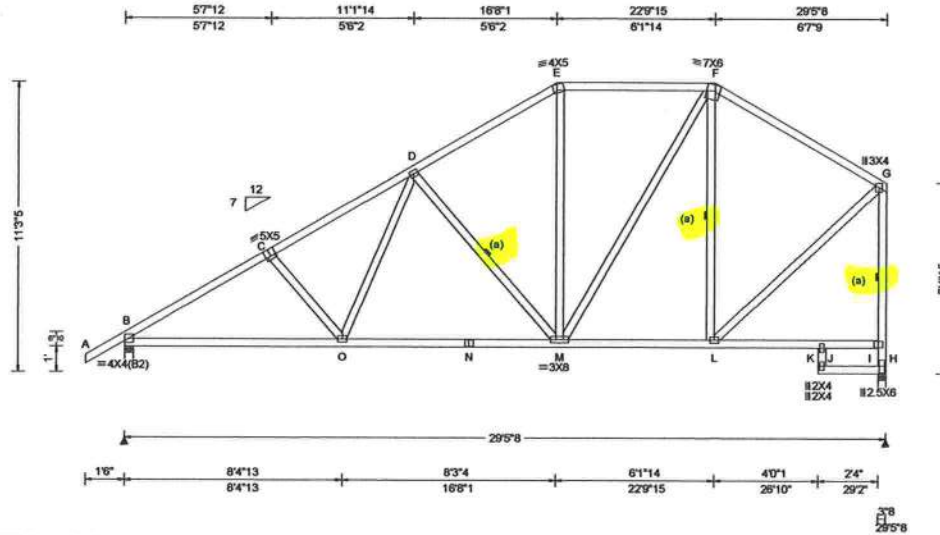
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6750 Forum Drive
 Suite 305
 Orlando FL, 32821

FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

SEQN: 325016 FROM: CDM	COMN Ply: 1 Qty: 2	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: D01	Cust: R 215 JRef: 1WW2150003 T45 DrwNo: 176.20.1641.29997 / YK 06/24/2020
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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: 15.87 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 Building 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): 0.073 O 999 240 VERT(CL): 0.140 K 999 180 HORZ(LL): 0.034 K - - HORZ(TL): 0.070 K - - Creep Factor: 2.0 Max TC CSI: 0.696 Max BC CSI: 0.861 Max Web CSI: 0.340 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1332 - / - / 835 / 203 / 270 H 1219 - / - / 669 / 203 / - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.6 H Brg Width = 3.5 Min Req = 1.5 Bearings B & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 306 -1921 E - F 252 -901 C - D 318 -1706 F - G 182 -851 D - E 256 -1133

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 3X4 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

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

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
06/24/2020

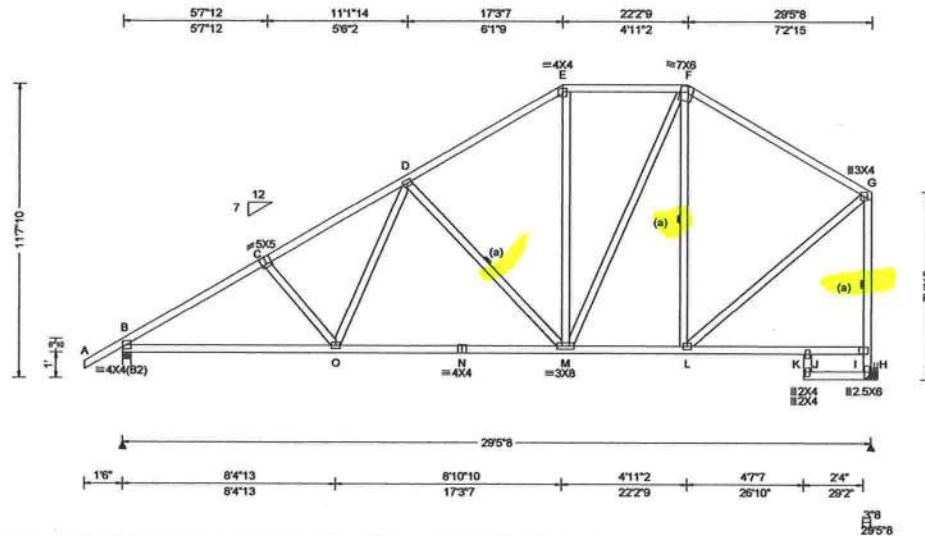
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 325017 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: D02	Cust: R 215 JRef: 1WW2150003 T39 DrwNo: 176.20.1641.32603 / YK 06/24/2020
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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: 15.16 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 Building 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): 0.074 O 999 240 VERT(CL): 0.197 K 999 180 HORZ(LL): 0.036 K - - HORZ(TL): 0.075 K - - Creep Factor: 2.0 Max TC CSI: 0.911 Max BC CSI: 0.928 Max Web CSI: 0.335 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1332 - / - / 836 / 213 / 237 H 1219 - / - / 648 / 223 / - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.6 H 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 376 -1921 E - F 331 -857 C - D 390 -1708 F - G 266 -880 D - E 329 -1097

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 3X4 except as noted.

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

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

Bearing at location x=29'2"8 uses the following support conditions: 29'2"8

Bearing H (29'2"8, 9') HUS26
Supporting Member: (2)2x6 SP 2400F-2.0E
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.

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

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 the eave).



FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.

B - O 1566 -435 N - M 1270 -335
O - N 1270 -335 M - L 676 -147

Maximum Web Forces Per Ply (lbs)
Webs Tens.Comp. Webs Tens. Comp.

O - D 458 -62 L - G 878 -193
D - M 209 -604 I - G 317 -1153
M - F 431 -108 I - H 312 -1185
F - L 145 -446

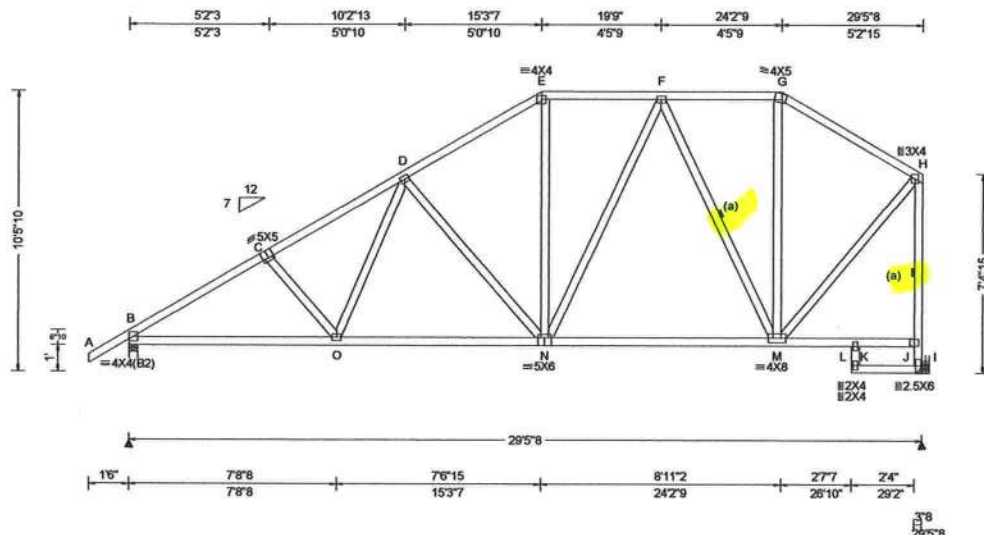
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 325018 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: D03	Cust: R 215 JRef: 1WWe2150003 T42 DrwNo: 176.20.1641.35623 / YK 06/24/2020
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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 Building 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): 0.073 O 999 240 VERT(CL): 0.150 O 999 180 HORZ(LL): 0.032 L - - HORZ(TL): 0.067 L - - Creep Factor: 2.0 Max TC CSI: 0.616 Max BC CSI: 0.855 Max Web CSI: 0.637 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL B 1332 - / - / 836 / 215 / 206 I 1219 - / - / 637 / 228 / - Non-Gravity Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.6 I 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 389 -1928 E - F 347 -996 C - D 402 -1734 F - G 246 -609 D - E 356 -1236 G - H 236 -776

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 3X4 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 based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Additional Notes

The overall height of this truss excluding overhang is 9-5-10.

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).



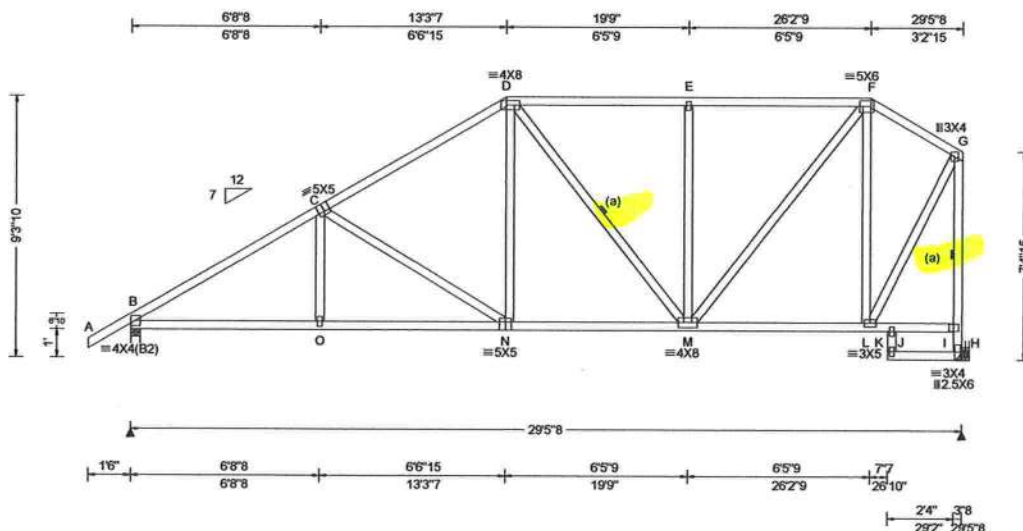
FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

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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 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 Building 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): 0.071 N 999 240 VERT(CL): 0.146 N 999 180 HORZ(LL): 0.033 K - - HORZ(TL): 0.067 K - - Creep Factor: 2.0 Max TC CSI: 0.643 Max BC CSI: 0.793 Max Web CSI: 0.944 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL B 1332 /- /- /832 /217 /193 H 1219 /- /- /631 /232 /- Non-Gravity Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.6 H 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 395 - 1907 E - F 336 - 1027 C - D 374 - 1424 F - G 178 - 568 D - E 336 - 1027

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.

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 based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Additional Notes

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

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
06/24/2020

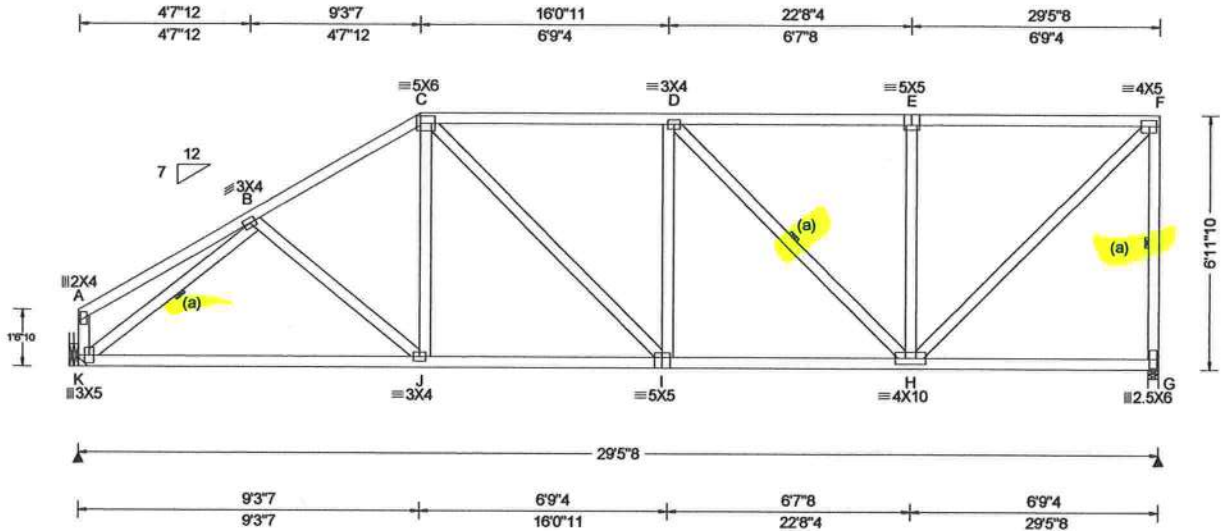
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 325021 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: D06	Cust: R 215 JRef: 1WWe2150003 T36 DrwNo: 176.20.1641.44643 / YK 06/24/2020
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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 Building 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 D 999 240 VERT(CL): 0.119 D 999 180 HORZ(LL): 0.022 H - - HORZ(TL): 0.047 H - - Creep Factor: 2.0 Max TC CSI: 0.684 Max BC CSI: 0.943 Max Web CSI: 0.644 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL K 1225 /- /- /719 /192 /154 G 1225 /- /- /631 /245 /- Wind reactions based on MWFRS K Brg Width = - Min Req = - G Brg Width = 3.5 Min Req = 1.5 Bearing G 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 385 -1477 D - E 276 -1011 C - D 389 -1376 E - F 276 -1011

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

Purlins

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

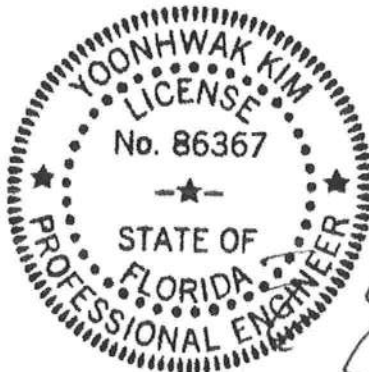
Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

The overall height of this truss excluding overhang is 6-11-10.



FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
K - J	1207 -424	I - H	1378 -391
J - I	1215 -364		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
K - B	325 -1520	H - F	1420 -387
D - H	170 -526	F - G	353 -1171
E - H	182 -463		

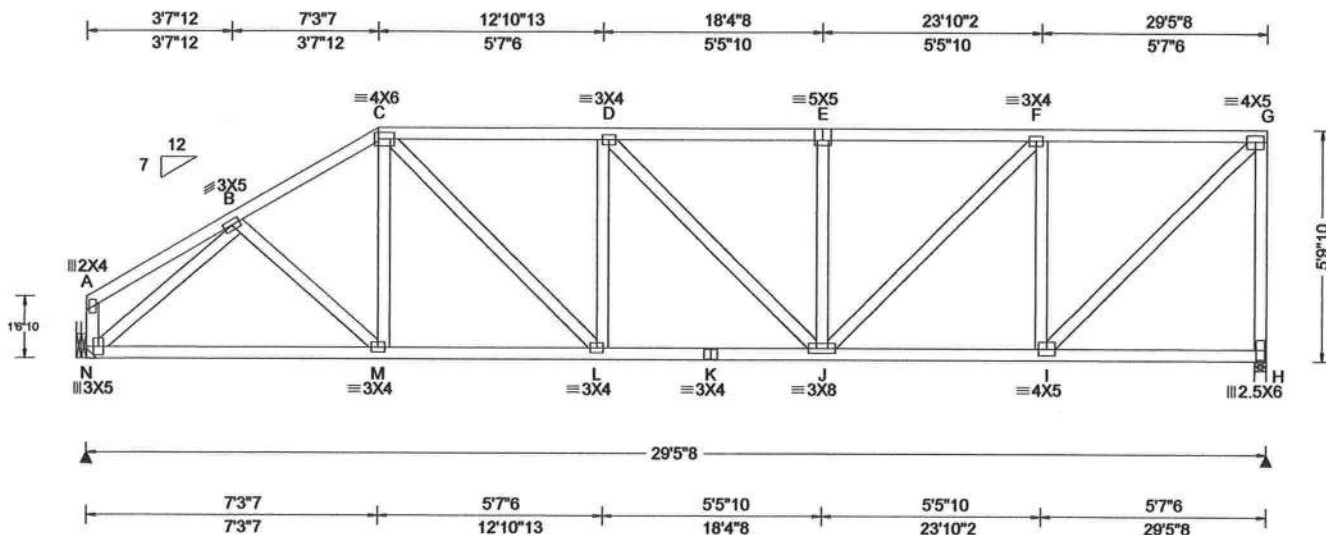
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 325022 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: D07	Cust: R 215 JRef: 1WWe2150003 T35 DrwNo: 176.20.1641.46707 / YK 06/24/2020
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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 Building 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): 0.070 D 999 240 VERT(CL): 0.145 D 999 180 HORZ(LL): 0.026 C - - HORZ(TL): 0.053 C - - Creep Factor: 2.0 Max TC CSI: 0.537 Max BC CSI: 0.666 Max Web CSI: 0.718 VIEW Ver: 19.02.02B.0122.15	Gravity Loc R+ / R- / Rh / Rw / U / RL N 1225 /- /- /699 /201 /121 H 1225 /- /- /621 /239 /- Non-Gravity Wind reactions based on MWFRS N Brg Width = - Min Req = - H Brg Width = 3.5 Min Req = 1.5 Bearing H is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 406 -1510 E - F 421 -1566 C - D 460 -1637 F - G 273 -1027 D - E 421 -1566

Lumber

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

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 based on MWFRS with additional C&C
member design.

Right end vertical not exposed to wind pressure.

Additional Notes

The overall height of this truss excluding overhang is
5-9-10.



FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
N - M	1151 -399	K - J	1652 -465
M - L	1257 -375	J - I	1075 -289
L - K	1652 -465		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
N - B	349 -1531	F - I	296 -912
C - L	539 -134	I - G	1457 -388
J - F	706 -195	G - H	346 -1181

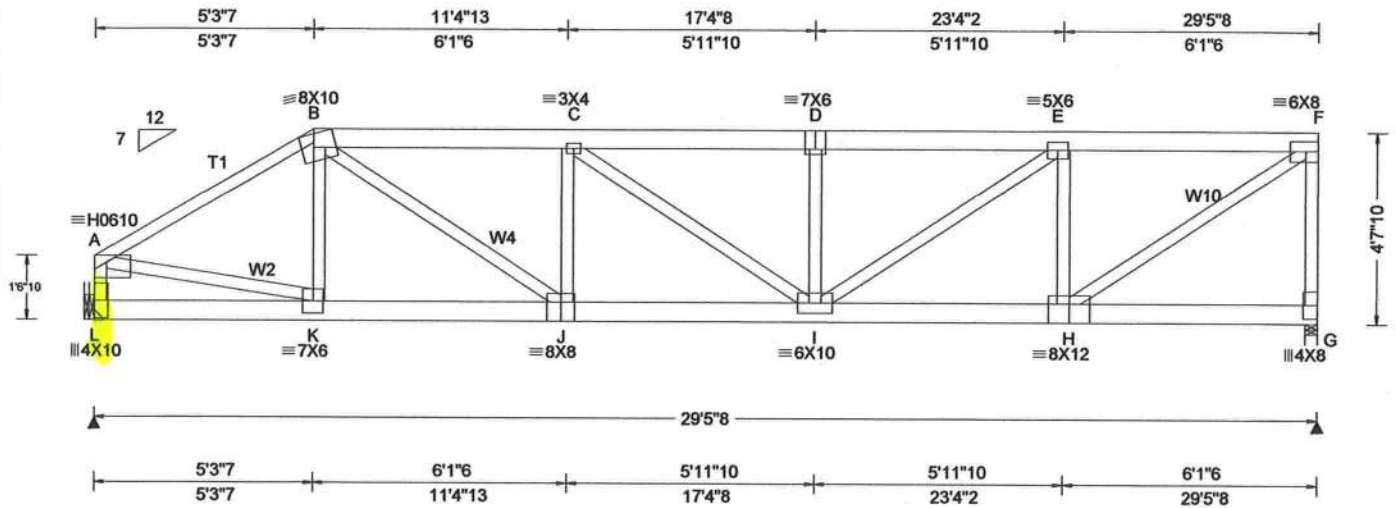
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 325023 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: D08	Cust: R 215 JRef: 1WW2150003 T49 DrwNo: 176.20.1642.28950 / YK 06/24/2020
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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 Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): HS, WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.180 D 999 240 VERT(CL): 0.365 D 968 180 HORZ(LL): 0.037 B - - HORZ(TL): 0.074 B - - Creep Factor: 2.0 Max TC CSI: 0.763 Max BC CSI: 0.437 Max Web CSI: 0.981 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL L 3390 - / - / - / 712 - G 2918 - / - / - / 575 - Wind reactions based on MWFRS L Brg Width = - Min Req = - G Brg Width = 3.5 Min Req = 2.4 Bearing G 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 912 - 4408 D - E 1195 - 6069 B - C 1187 - 5990 E - F 766 - 3894 C - D 1195 - 6069

Lumber

Top chord: 2x6 SP 2400f-2.0E; T1 2x4 SP #2;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W2, W4 2x4 SP #2;
W10 2x4 SP M-31;

Special Loads

(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at 0.00 to 63 plf at 29.46
BC: From 20 plf at 0.00 to 20 plf at 29.46
TC: 197 lb Conc. Load at 5.65, 7.65, 9.65, 11.65
13.65, 15.65, 17.65, 19.65, 21.65, 23.65
BC: 276 lb Conc. Load at 1.65, 3.65
BC: 133 lb Conc. Load at 5.65, 7.65, 9.65, 11.65
13.65, 15.65, 17.65, 19.65, 21.65, 23.65

Hangers / Ties

(J) Hanger Support Required, by others

Purlins

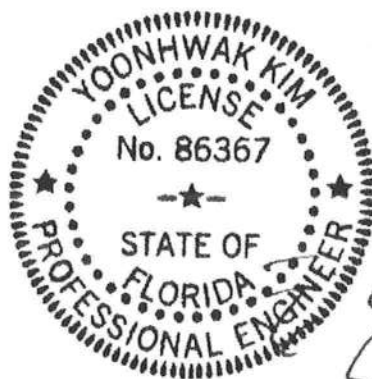
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Additional Notes

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

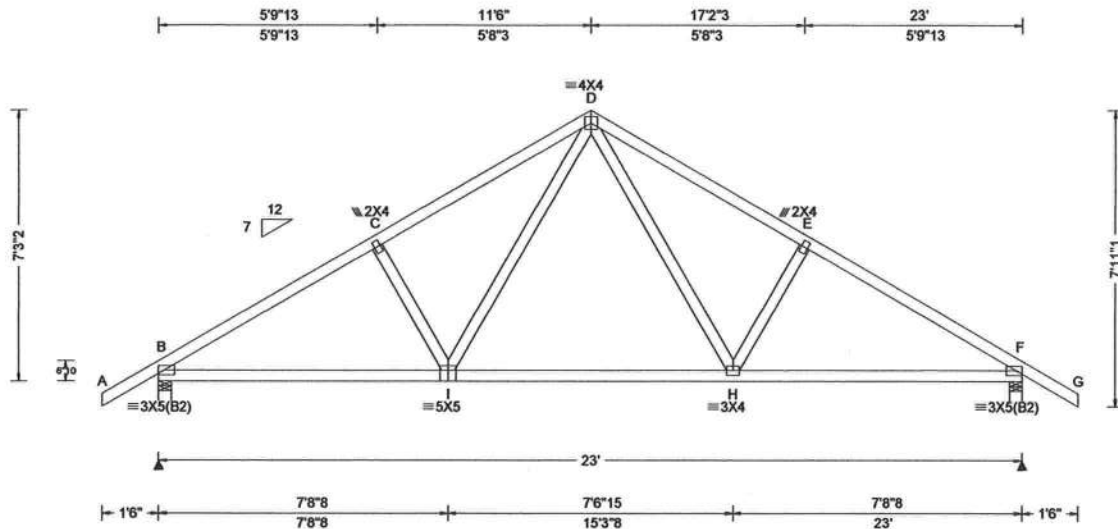


FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

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****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: 325024 FROM: CDM	COMN Ply: 1 Qty: 5	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: G01	Cust: R 215 JRef: 1WWe2150003 T26 DrwNo: 176.20.1642.31343 / YK 06/24/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building 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): 0.067 H 999 240 VERT(CL): 0.129 H 999 180 HORZ(LL): 0.034 H - - HORZ(TL): 0.064 H - - Creep Factor: 2.0 Max TC CSI: 0.546 Max BC CSI: 0.675 Max Web CSI: 0.201 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1121 /- /- /635 /182 /216 F 1122 /- /- /635 /182 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 F Brg Width = 4.0 Min Req = 1.5 Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 399 -1552 D - E 437 -1381 C - D 438 -1379 E - F 398 -1554

Lumber

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

Loading

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

Wind

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

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

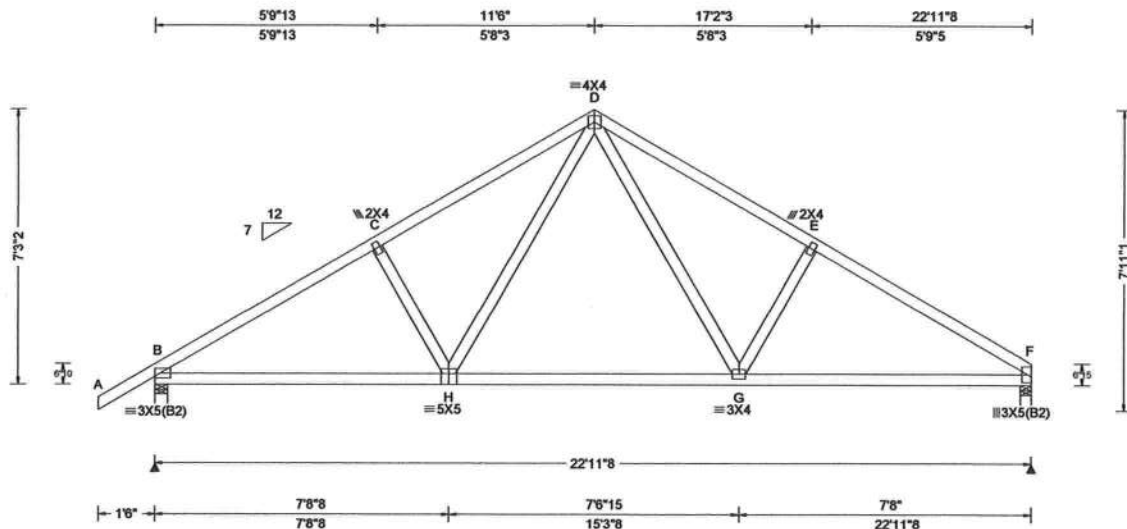
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 325025 FROM: CDM	COMN Ply: 1 Qty: 5	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: G02	Cust: R 215 JRef: 1WWe2150003 T33 DrwNo: 176.20.1642.33987 / YK 06/24/2020
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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 Building 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): 0.066 H 999 240 VERT(CL): 0.128 H 999 180 HORZ(LL): 0.032 G - - HORZ(TL): 0.062 G - - Creep Factor: 2.0 Max TC CSI: 0.545 Max BC CSI: 0.679 Max Web CSI: 0.207 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1125 /- /- /634 /183 /199 F 1015 /- /- /547 /155 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 F Brg Width = 3.5 Min Req = 1.5 Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 300 -1560 D - E 353 -1399 C - D 338 -1387 E - F 315 -1571

Lumber

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

Loading

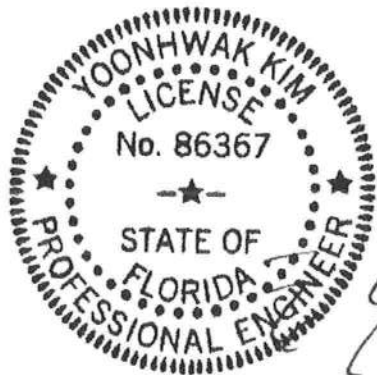
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

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

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - H	1259 -197	G - F	1272 -201
H - G	871 -68		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
H - D	525 -117	D - G	544 -124

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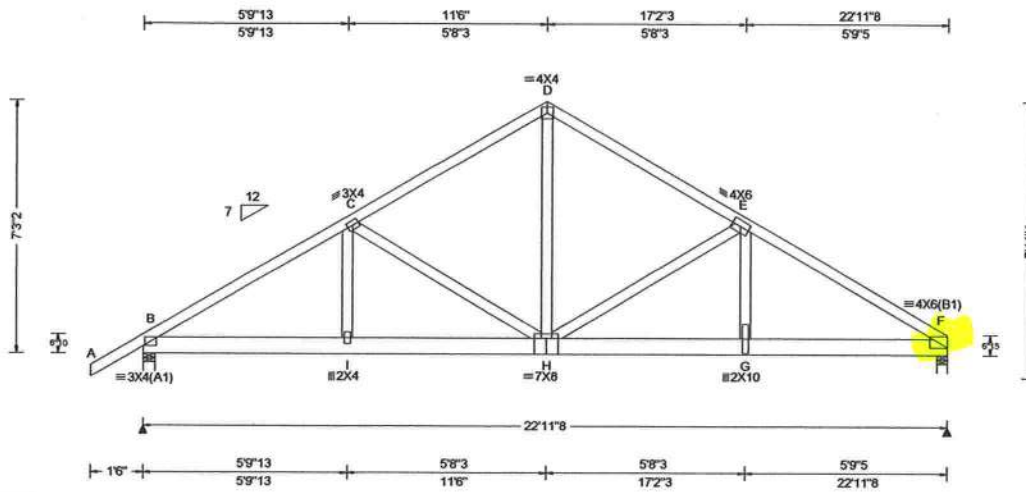
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 325026 FROM: CDM	COMN Ply: 2 Qty: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: G03	Cust: R 215 JRef: 1WWe2150003 T44 DrwNo: 176.20.1642.42723 / YK 06/24/2020
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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	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): 0.069 G 999 240	Loc	R+	R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.137 G 999 180	B	1978	-/-	-/-	-/-	/395	-/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.018 G - -	F	3650	-/-	-/-	-/-	/699	-/-
Des Ld: 40.00	EXP: C Kzt: NA	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.036 G - -	Wind reactions based on MWFRS						
NCBCLL: 0.00	Mean Height: 15.00 ft		Creep Factor: 2.0	B	Brg Width = 4.0		Min Req = 1.5			
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.429	F	Brg Width = 3.5		Min Req = 1.5			
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.428	Bearings B & F are a rigid surface.						
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.688	Members not listed have forces less than 375#						
	C&C Dist a: 3.00 ft			Maximum Top Chord Forces Per Ply (lbs)						
	Loc. from endwall: not in 9.00 ft			Chords	Tens.Comp.		Chords	Tens. Comp.		
	GCpi: 0.18			B - C	295	-1517	D - E	281	-1422	
	Wind Duration: 1.60		VIEW Ver: 19.02.02B.0122.15	C - D	282	-1424	E - F	573	-2936	

Lumber

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

Nailnote

Nail Schedule: 0.131"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 9.50" 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 63 plf at -1.50 to 63 plf at 22.96
BC: From 5 plf at -1.50 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 15.06
BC: From 10 plf at 15.06 to 10 plf at 19.06
BC: From 20 plf at 19.06 to 20 plf at 22.96
BC: 1219 lb Conc. Load at 15.06, 17.06, 19.06

Wind

Wind loads and reactions based on MWFRS.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

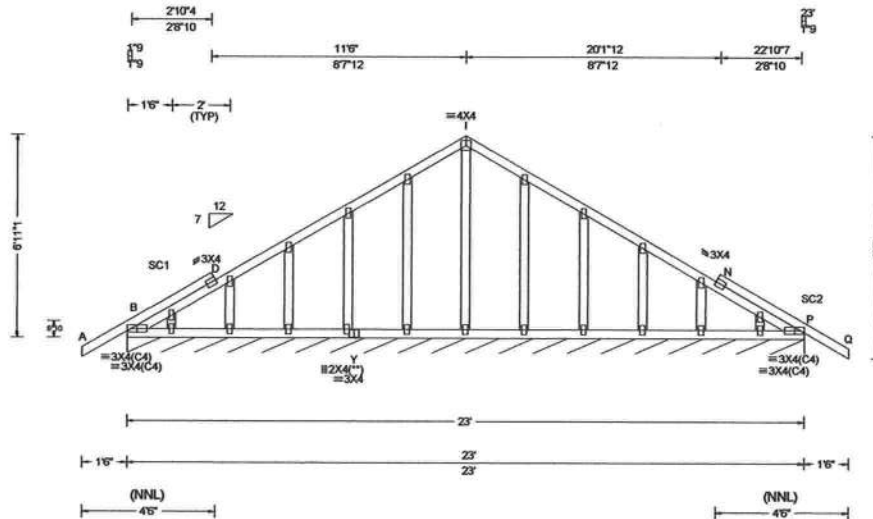
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 325027 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: G04	Cust: R 215 JRef: 1VWWe2150003 T29 DrwNo: 176.20.1642.45910 / YK 06/24/2020
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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 Building 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): 0.002 AC 999 240 VERT(CL): 0.003 AC 999 180 HORZ(LL): 0.002 N - - HORZ(TL): 0.003 J - - Creep Factor: 2.0 Max TC CSI: 0.281 Max BC CSI: 0.098 Max Web CSI: 0.129 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B* 102 /- /- /50 /18 /10 Wind reactions based on MWFRS B Brg Width = 276 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;
Stack Chord: SC1 2x4 SP #2;
Stack Chord: SC2 2x4 SP #2;

Plating Notes

All plates are 2X4 except as noted.

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

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 2.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

Additional Notes

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 noticable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in noticable area using 3x6.

The overall height of this truss excluding overhang is 6-11-1.



FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

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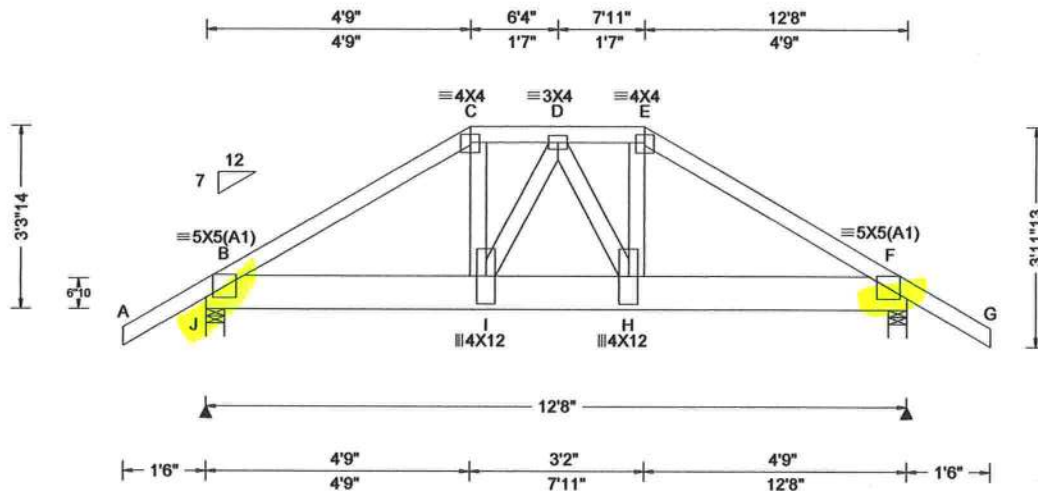
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ALPINE
ANTW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 325056 FROM: CDM	HIPS Qty: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: H01	Cust: R 215 JRef: 1WWe2150003 T27 Dwno: 176.20.1643.04000 / YK 06/24/2020
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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 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.044 H 999 240 VERT(CL): 0.088 H 999 180 HORZ(LL): 0.008 H - - HORZ(TL): 0.016 H - - Creep Factor: 2.0 Max TC CSI: 0.317 Max BC CSI: 0.302 Max Web CSI: 0.552 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL J 3138 /- /- /- /653 /- F 5014 /- /- /- /972 /- Wind reactions based on MWFRS J Brg Width = 4.0 Min Req = 1.5 F Brg Width = 4.0 Min Req = 2.1 Bearings J & 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 537 -2609 D - E 595 -3017 C - D 468 -2326 E - F 675 -3361

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x8 SP 2400f-2.0E;
Webs: 2x4 SP #3;

Nailnote

Nail Schedule: 0.131"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 3.00" 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 63 plf at -1.50 to 63 plf at 14.17
BC: From 5 plf at -1.50 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 12.67
BC: From 5 plf at 12.67 to 5 plf at 14.17
TC: 206 lb Conc. Load at 4.78, 7.89
TC: 128 lb Conc. Load at 6.33
BC: 213 lb Conc. Load at 4.78, 7.89
BC: 89 lb Conc. Load at 6.33
BC: 3390 lb Conc. Load at 7.06
BC: 1225 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.

Additional Notes

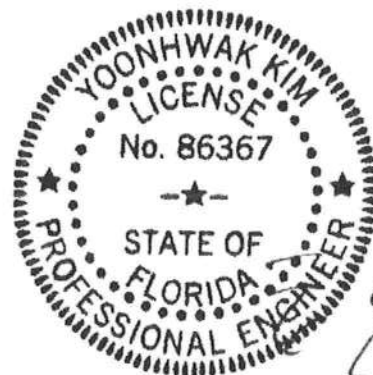
The overall height of this truss excluding overhang is 3-3-14.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - I	2216 -450	H - F	2869 -570
I - H	2675 -536		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - I	1082 -172	D - H	832 -140
I - D	169 -854	H - E	1448 -240



FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

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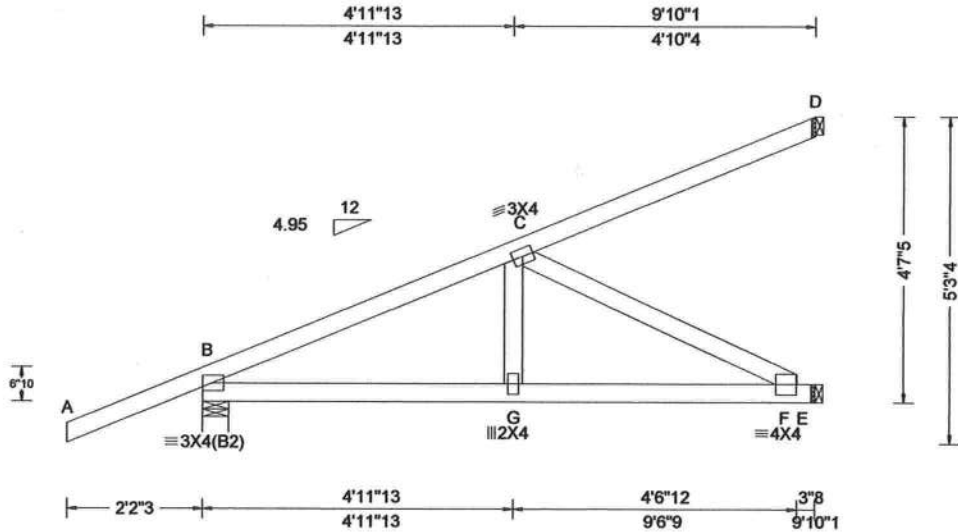
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 325028 FROM: CDM	HIP_ Ply: 1 Qty: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: HJ1	Cust: R 215 JRef: 1WWe2150003 T4 DrwNo: 176.20.1643.10903 / YK 06/24/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building 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): 0.028 G 999 240 VERT(CL): 0.055 G 999 180 HORZ(LL): -0.008 D - - HORZ(TL): 0.016 D - - Creep Factor: 2.0 Max TC CSI: 0.727 Max BC CSI: 0.740 Max Web CSI: 0.346 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 369 /- /- /- /184 /- E 351 /- /- /- /76 /- D 96 /- /- /- /26 /- 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;

Special Loads

(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 0 plf at -2.18 to 62 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 9.84
BC: From 0 plf at -2.18 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 9.84
TC: -41 lb Conc. Load at 1.38
TC: 134 lb Conc. Load at 4.21
TC: 277 lb Conc. Load at 7.03
BC: 23 lb Conc. Load at 1.38
BC: 108 lb Conc. Load at 4.21
BC: 191 lb Conc. Load at 7.03

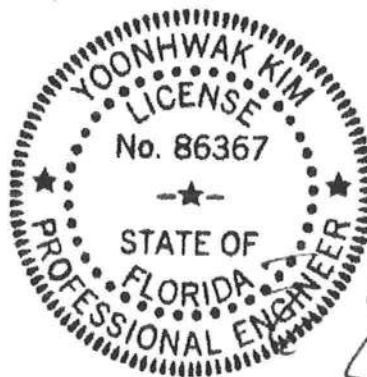
Wind

Wind loads and reactions based on MWFRS.

Additional Notes

The overall height of this truss excluding overhang is 4'-7.5".

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
06/24/2020

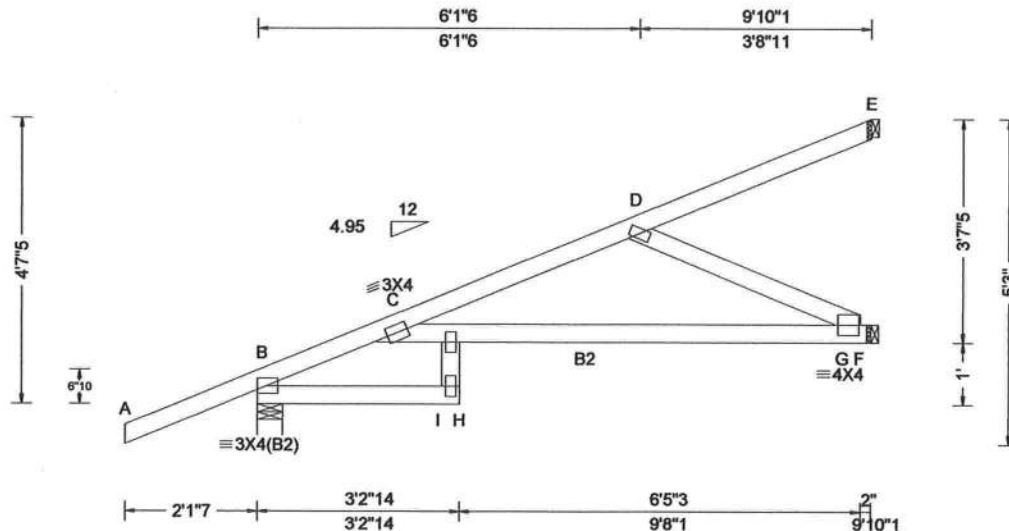
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. Refer to job's General Notes page for additional information.

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For more information see 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: 325029 FROM: CDM	HIP_ Ply: 1 Qty: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: HJ2	Cust: R 215 JRef: 1WWe2150003 T2 DwnNo: 176.20.1643.23430 / YK 06/24/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building 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): 0.240 H 487 240 VERT(CL): 0.419 H 279 180 HORZ(LL): 0.088 I - - HORZ(TL): 0.172 I - - Creep Factor: 2.0 Max TC CSI: 0.949 Max BC CSI: 0.492 Max Web CSI: 0.227 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 367 /- /- /- /178 /- F 404 /- /- /- /94 /- E 12 /- /- /- /3 /- Wind reactions based on MWFRS B Brg Width = 4.9 Min Req = 1.5 F Brg Width = 1.5 Min Req = - E 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; B2 2x4 SP M-31;
Webs: 2x4 SP #3;

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 9.84
BC: From 0 plf at -2.12 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 9.84
TC: -41 lb Conc. Load at 1.38
TC: 136 lb Conc. Load at 4.21
TC: 269 lb Conc. Load at 7.03
BC: 23 lb Conc. Load at 1.38
BC: 88 lb Conc. Load at 4.21
BC: 164 lb Conc. Load at 7.03

Plating Notes

All plates are 2X4 except as noted.

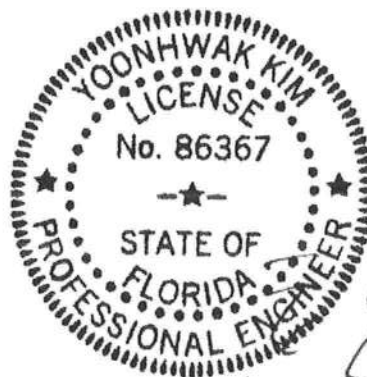
Wind

Wind loads and reactions based on MWFRS.

Additional Notes

The overall height of this truss excluding overhang is 4'-7.5".

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
06/24/2020

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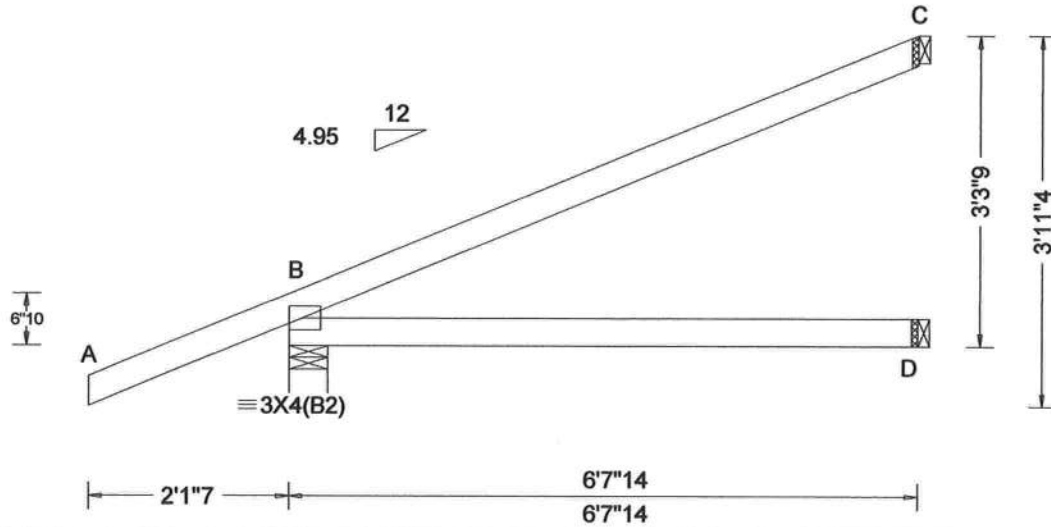
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 325055 FROM: CDM	HIP_	Ply: 1 Qty: 2	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: HJ3	Cust: R 215 JRef: 1WWe2150003 T28 DrwNo: 176.20.1643.25363 / YK 06/24/2020
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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	272	/-	/-	/-	/137	/-
BCDL:	10.00	Risk Category:	II	Snow Duration: NA			HORZ(LL): -0.006 D	-	-				/2	/-
Des Ld:	40.00	EXP: C	Kzt: NA				HORZ(TL): 0.010 D	-	-				/44	/-
NCBCLL:	10.00	Mean Height:	15.00 ft	Building Code:			Creep Factor: 2.0	Wind reactions based on MWFRS						
Soffit:	2.00	TCDL:	5.0 psf	FBC 2017 RES			Max TC CSI: 0.542	B Brg Width = 4.9 Min Req = 1.5						
Load Duration:	1.25	BCDL:	5.0 psf	TPI Std: 2014			Max BC CSI: 0.506	D Brg Width = 1.5 Min Req = -						
Spacing:	24.0 "	MWFRS Parallel Dist:	0 to h/2	Rep Fac: Varies by Ld Case			Max Web CSI: 0.000	C Brg Width = 1.5 Min Req = -						
		C&C Dist a:	3.00 ft	FT/RT:20(0)/10(0)				Bearing B is a rigid surface.						
		Loc. from endwall:	not in 4.50 ft	Plate Type(s):				Members not listed have forces less than 375#						
		GCpi:	0.18	WAVE										
		Wind Duration:	1.60											

Lumber

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

Special Loads

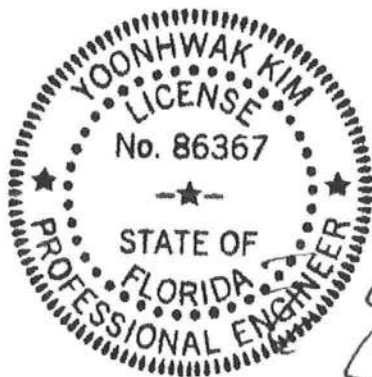
(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 0 plf at -2.12 to 62 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 6.66
BC: From 0 plf at -2.12 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 6.66
TC: -41 lb Conc. Load at 1.38
TC: 134 lb Conc. Load at 4.21
BC: 23 lb Conc. Load at 1.38
BC: 108 lb Conc. Load at 4.21

Wind

Wind loads and reactions based on MWFRS.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

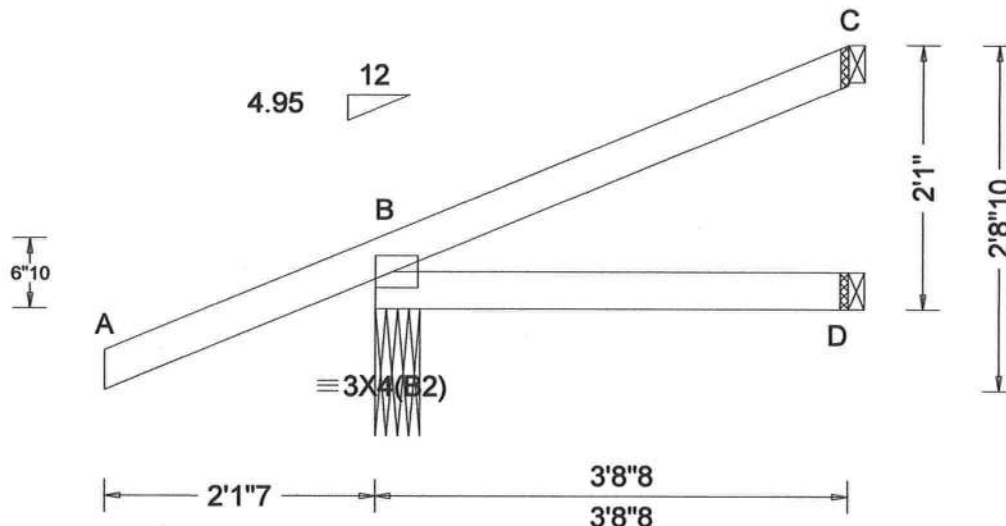
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 325030 FROM: CDM	HIP_ Ply: 1 Qty: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: HJ4	Cust: R 215 JRef: 1WW2150003 T30 DrwNo: 176.20.1643.26637 / YK 06/24/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.003 D - - HORZ(TL): 0.003 D - - Creep Factor: 2.0 Max TC CSI: 0.195 Max BC CSI: 0.135 Max Web CSI: 0.000 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 189 /- /- /- /199 /- D 66 /-3 /- /- /9 /- C 29 /-23 /- /- /30 /- Wind reactions based on MWFRS B Brg Width = 4.2 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Special Loads

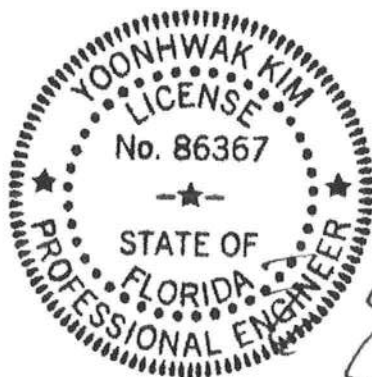
(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 0 plf at -2.12 to 62 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 3.71
BC: From 0 plf at -2.12 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 3.71
TC: -86 lb Conc. Load at 0.91
BC: 4 lb Conc. Load at 0.91

Wind

Wind loads and reactions based on MWFRS.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

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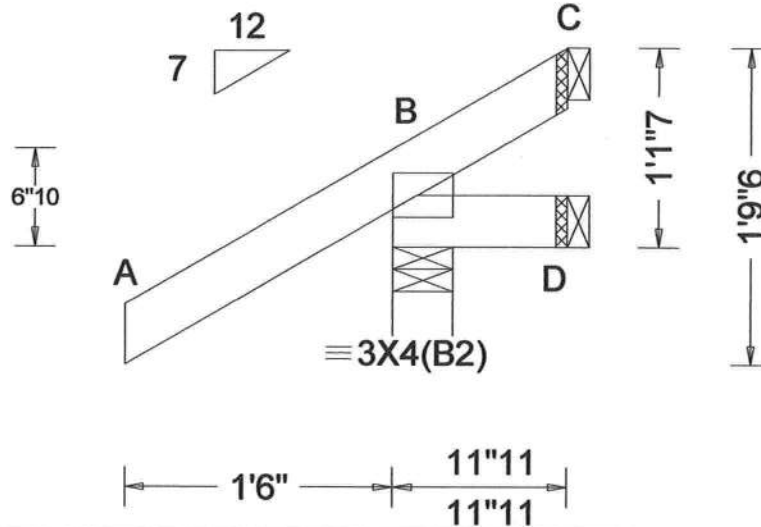
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 325031 FROM: CDM	JACK Qty: 8	Ply: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: J1	Cust: R 215 JRef: 1WW2150003 T7 DrwNo: 176.20.1643.28183 / YK 06/24/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.001 C - - Creep Factor: 2.0 Max TC CSI: 0.182 Max BC CSI: 0.027 Max Web CSI: 0.000 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 237 /- /- /190 /57 /40 D 12 /-6 /- /14 /9 /- C - /-48 /- /29 /52 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

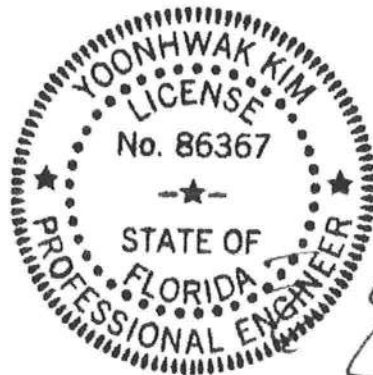
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

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

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

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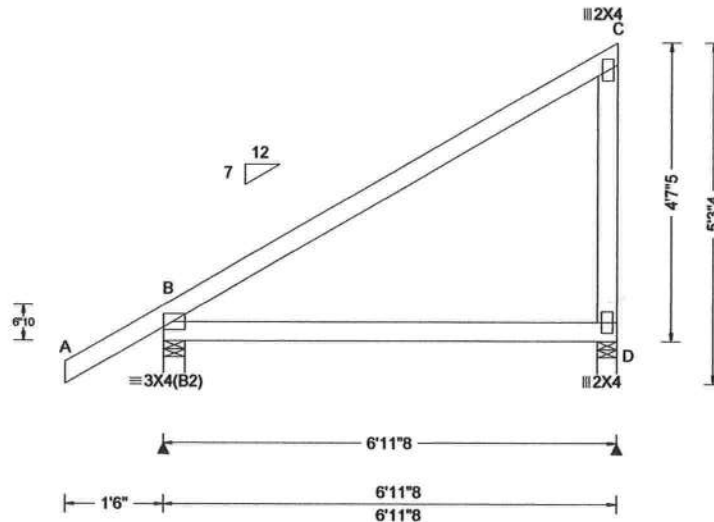
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 325032 FROM: CDM	MONO Ply: 1 Qty: 2	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: J10	Cust: R215 JRef: 1WW2150003 T1 DrwNo: 176.20.1643.30847 / YK 06/24/2020
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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: 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 Building 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): 0.011 C - - HORZ(TL): 0.023 C - - Creep Factor: 2.0 Max TC CSI: 0.784 Max BC CSI: 0.544 Max Web CSI: 0.074 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 406 /- /- /283 /2 /94 D 274 /- /- /192 /37 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 3.5 Min Req = 1.5 Bearings B & D are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

The overall height of this truss excluding overhang is 4'-7-5/8".



FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

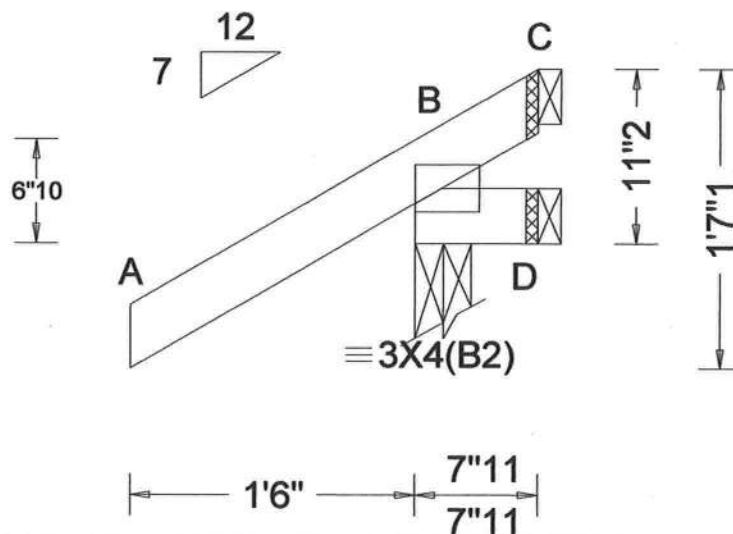
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 325033 FROM: CDM	JACK Qty: 2	Ply: 1 Qty: 2	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: J1A	Cust: R215 JRef: 1WW2150003 T51 DrwNo: 176.20.1643.33240 / YK 06/24/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building 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): 0.001 C - - Creep Factor: 2.0 Max TC CSI: 0.182 Max BC CSI: 0.028 Max Web CSI: 0.000 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 276 /- /- /228 /78 /35 D 2 /-17 /- /12 /16 /- C - /-104 /- /45 /98 /- 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

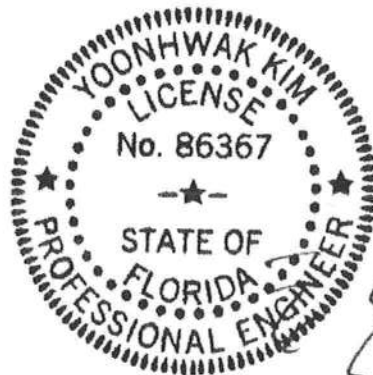
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 0-11-2.



FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

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

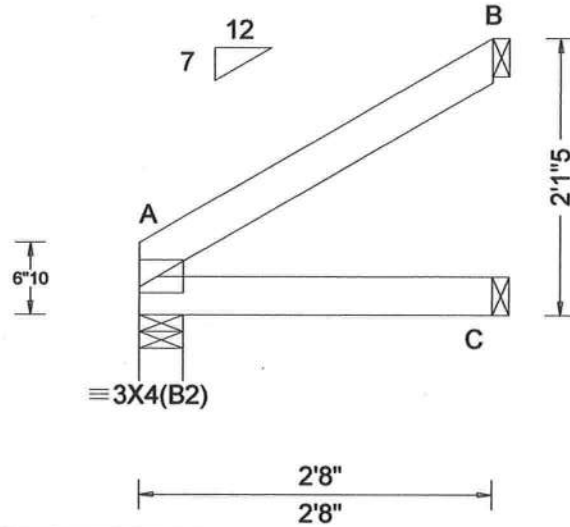
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 325034 FROM: CDM	EJAC Qty: 3	Ply: 1 Qty: 3	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: J1B	Cust: R 215 JRef: 1WWe2150003 T11 DrwNo: 176.20.1643.34963 / YK 06/24/2020
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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	A	114	/-	/-	/73	/1	/43
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 C - -	C	51	/-	/-	/36	/-	/-
	EXP: C Kzt: NA		HORZ(TL): 0.002 C - -	B	79	/-	/-	/41	/35	/-
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	Building Code:	Max TC CSI: 0.107	A	Brg Width = 4.0		Min Req = 1.5			
Soffit: 2.00	BCDL: 5.0 psf	FBC 2017 RES	Max BC CSI: 0.078	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	B	Brg Width = 1.5		Min Req = -			
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes		Bearing A 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

The overall height of this truss excluding overhang is 2'-1.5."



FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

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

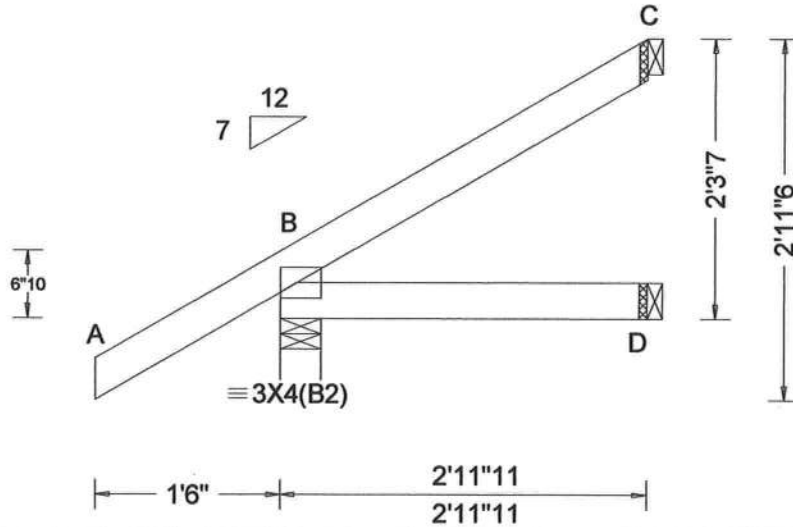
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSi (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSi.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

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

SEQN: 325035 FROM: CDM	JACK Ply: 1 Qty: 6	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: J3	Cust: R215 JRef: 1WWe2150003 T6 DrwNo: 176.20.1643.36687 / YK 06/24/2020
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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 Building 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): 0.001 C - - Creep Factor: 2.0 Max TC CSI: 0.182 Max BC CSI: 0.088 Max Web CSI: 0.000 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 257 /- /- /189 /36 /74 D 54 /- /- /39 /- /- C 67 /- /- /28 /32 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

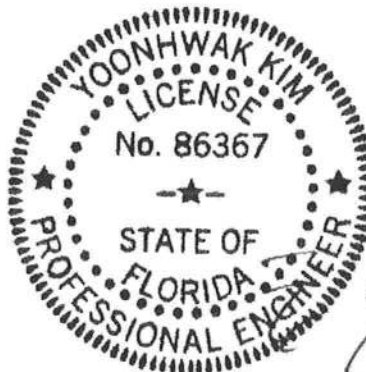
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 2-3-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

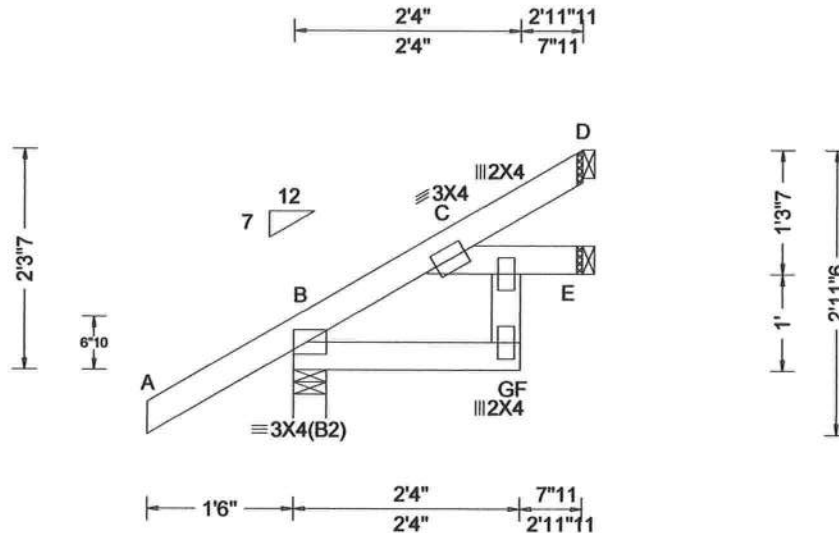
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 325036 FROM: CDM	JACK Ply: 1 Qty: 2	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: J4	Cust: R215 JRef: 1WW2150003 T53 DrwNo: 176.20.1643.39067 / YK 06/24/2020
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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 Building 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): 0.004 G 999 240 VERT(CL): 0.008 G 999 180 HORZ(LL): 0.003 G - - HORZ(TL): 0.005 G - - Creep Factor: 2.0 Max TC CSI: 0.182 Max BC CSI: 0.049 Max Web CSI: 0.032 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 257 /- /- /189 /36 /74 E 44 /- /- /34 /- /- D 68 /- /- /34 /28 /- Wind reactions based on MWFRS B Brg Width = 4.0 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

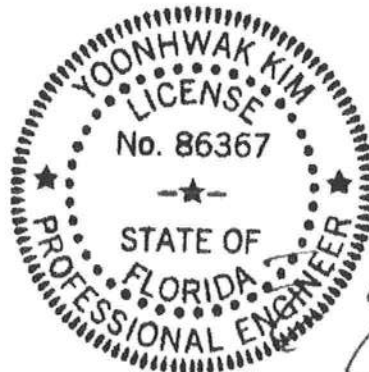
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 2'-3 7/8".



FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

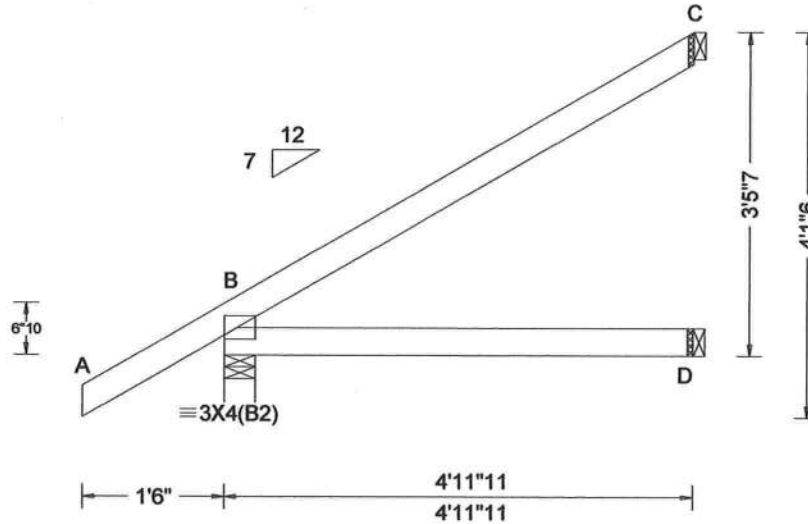
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando, FL, 32821

SEQN: 325037 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: J5	Cust: R 215 JRef: 1WWe2150003 T5 DrwNo: 176.20.1643.41317 / YK 06/24/2020
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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 Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.003 D - - HORZ(TL): 0.006 D - - Creep Factor: 2.0 Max TC CSI: 0.351 Max BC CSI: 0.272 Max Web CSI: 0.000 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 328 /- /- /233 /37 /107 D 94 /- /- /65 /- /- C 135 /- /- /67 /58 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

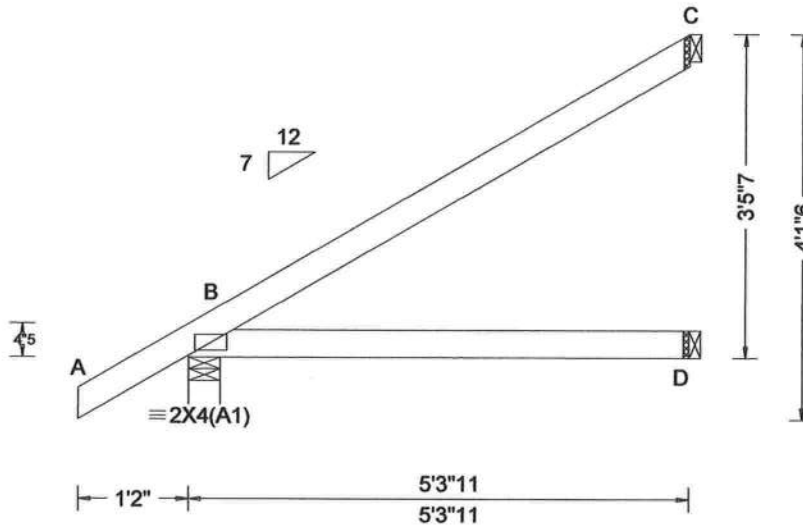
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 325038 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: J5A	Cust: R 215 JRef: 1WWe2150003 T9 DrwNo: 176.20.1643.42590 / YK 06/24/2020
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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 Building 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): 0.006 D - - HORZ(TL): 0.012 D - - Creep Factor: 2.0 Max TC CSI: 0.390 Max BC CSI: 0.294 Max Web CSI: 0.000 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 317 /- /- /221 /32 /107 D 97 /- /- /67 /0 /- C 142 /- /- /74 /59 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 3'-5.7".



FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

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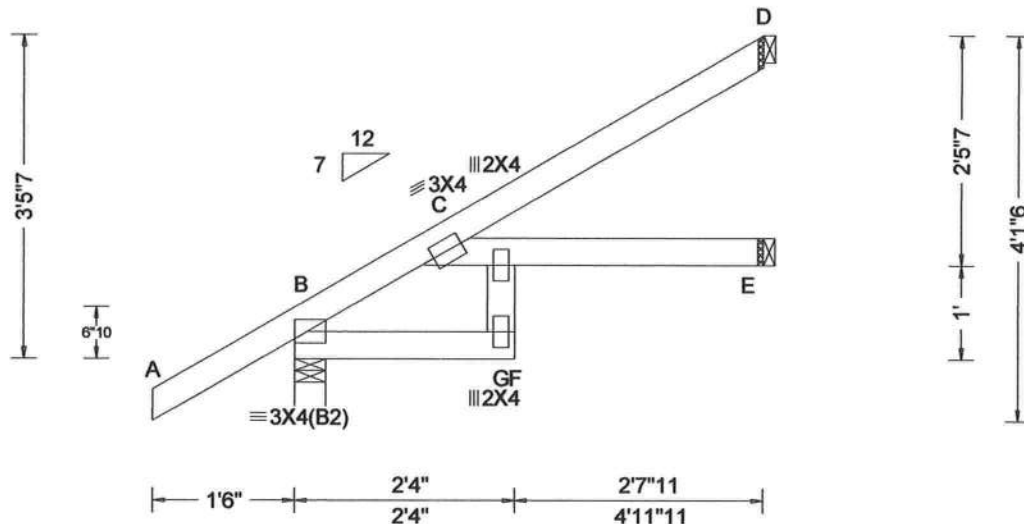
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 325039 FROM: CDM	JACK Ply: 1 Qty: 2	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: J6	Cust: R215 JRef: 1WWe2150003 T43 DrwNo: 176.20.1643.45140 / YK 06/24/2020
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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 Building 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 F 999 240 VERT(CL): 0.079 F 747 180 HORZ(LL): 0.024 G - - HORZ(TL): 0.049 G - - Creep Factor: 2.0 Max TC CSI: 0.366 Max BC CSI: 0.209 Max Web CSI: 0.138 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 328 /- /- /233 /37 /107 E 82 /- /- /57 /1 /- D 135 /- /- /73 /54 /- Wind reactions based on MWFRS B Brg Width = 4.0 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

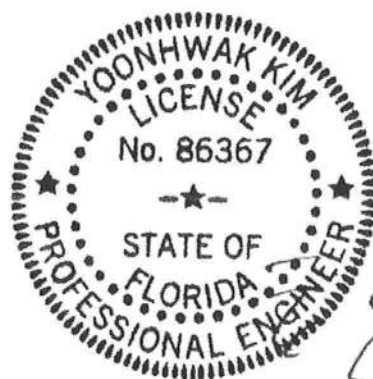
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

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

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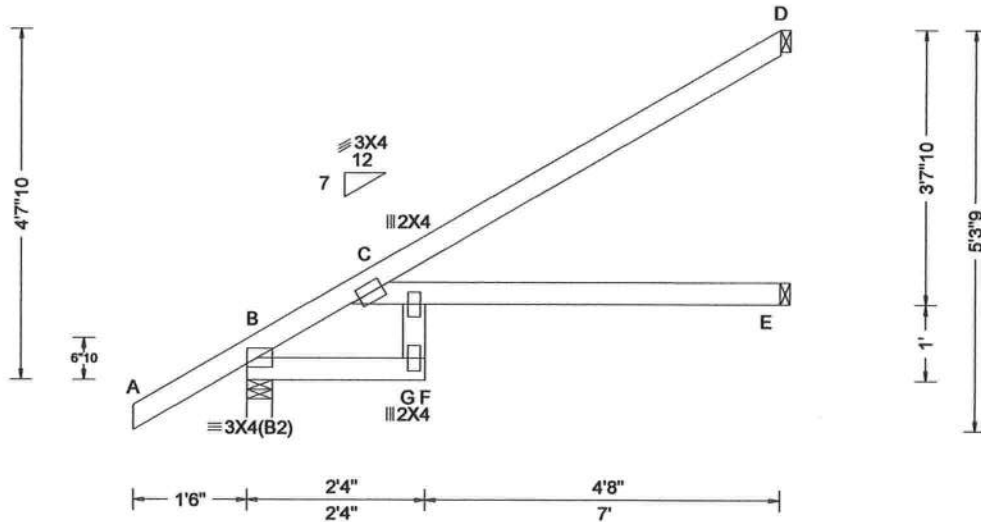
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing,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



6750 Forum Drive
Suite 305
Orlando FL, 32821

SEON: 325041 FROM: CDM	EJAC Ply: 1 Qty: 4	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: J8	Cust: R215 JRef: 1WWe2150003 T8 DrwNo: 176.20.1643.48250 / YK 06/24/2020
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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 Building 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): 0.137 F 605 240 VERT(CL): 0.276 F 301 180 HORZ(LL): 0.078 G - - HORZ(TL): 0.156 G - - Creep Factor: 2.0 Max TC CSI: 0.781 Max BC CSI: 0.467 Max Web CSI: 0.313 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 407 /- /- /284 /39 /141 E 123 /- /- /87 /3 /- D 195 /- /- /107 /78 /- Wind reactions based on MWFRS B Brg Width = 4.0 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

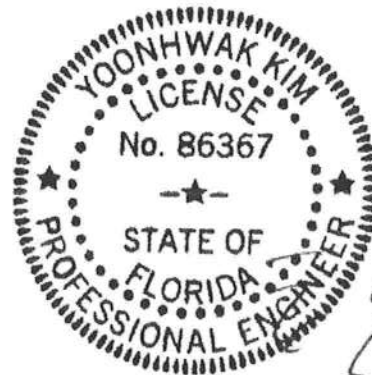
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

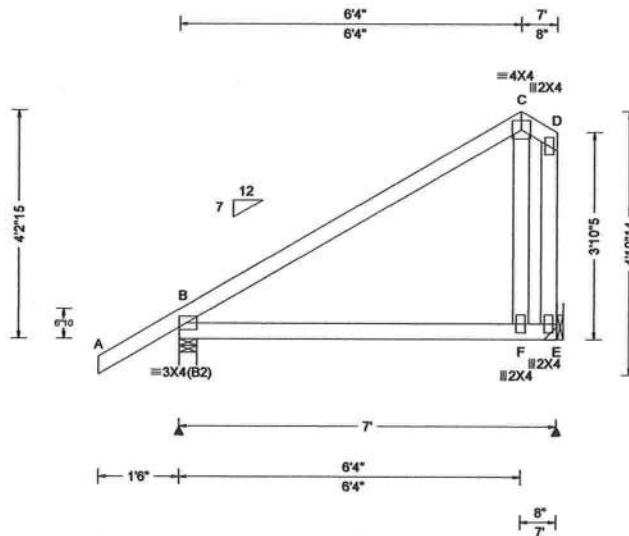
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 325042 FROM: CDM	COMN Ply: 1 Qty: 2	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: J9	Cust: R 215 JRef: 1WWe2150003 T34 DrwNo: 176.20.1643.51097 / YK 06/24/2020
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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 Building 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): 0.032 C 999 240 VERT(CL): 0.065 C 999 180 HORZ(LL): 0.046 D - - HORZ(TL): 0.092 D - - Creep Factor: 2.0 Max TC CSI: 0.592 Max BC CSI: 0.456 Max Web CSI: 0.237 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 407 /- /- /281 /51 /120 E 276 /- /- /181 /67 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 E Brg Width = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Hangers / Ties

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

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

Bearing at location x=6'9" uses the following support conditions: 6'9"

Bearing E (6'9", 9") HUS26
Supporting Member: (1) 2x6 SP 2400f-2.0E
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.

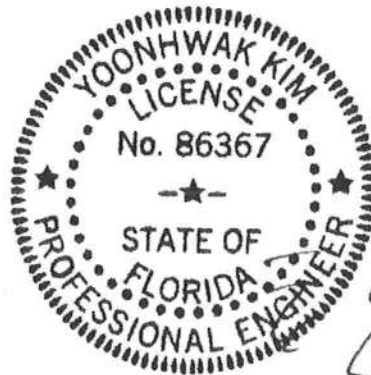
Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

The overall height of this truss excluding overhang is 4-2-15.



FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

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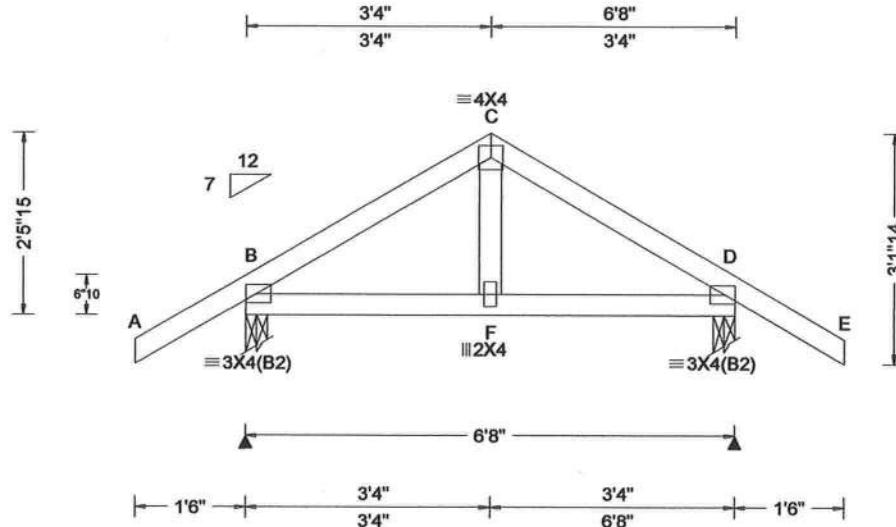
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 325043 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: K01	Cust: R215 JRef: 1WWe2150003 T19 DrwNo: 176.20.1643.52830 / YK 06/24/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building 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): 0.004 F 999 240 VERT(CL): 0.008 F 999 180 HORZ(LL): 0.002 F - - HORZ(TL): 0.004 F - - Creep Factor: 2.0 Max TC CSI: 0.199 Max BC CSI: 0.120 Max Web CSI: 0.049 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 379 /- /- /252 /70 /94 D 379 /- /- /252 /70 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 D Brg Width = 3.5 Min Req = 1.5 Bearings B & D are a rigid surface. Members not listed have forces less than 375#

Lumber

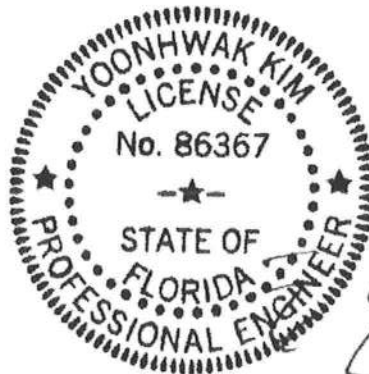
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 25'-15".



FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

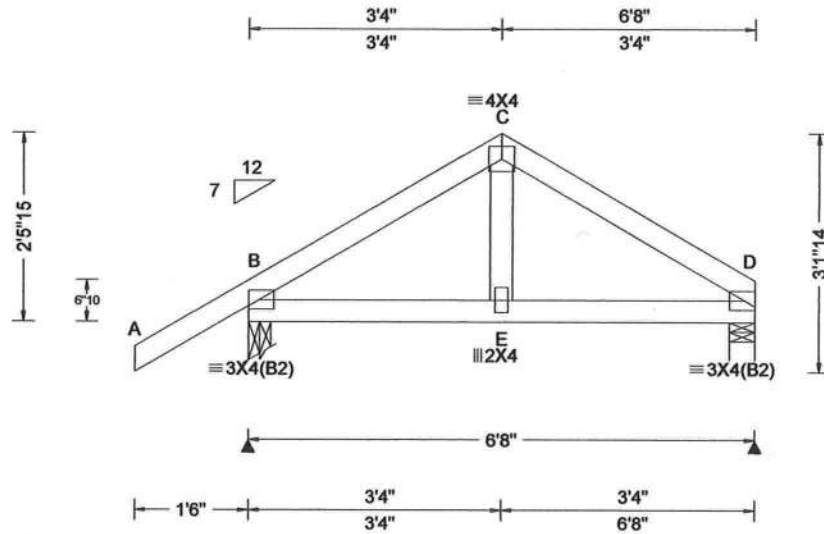
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 325044 FROM: CDM	COMN Ply: 1 Qty: 2	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: K02	Cust: R 215 JRef: 1WWe2150003 T24 DrwNo: 176.20.1643.54663 / YK 06/24/2020
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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 Building 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): 0.004 E 999 240 VERT(CL): 0.007 E 999 180 HORZ(LL): 0.001 E - - HORZ(TL): 0.003 E - - Creep Factor: 2.0 Max TC CSI: 0.199 Max BC CSI: 0.137 Max Web CSI: 0.050 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 392 /- /- /252 /73 /77 D 264 /- /- /158 /40 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 D Brg Width = 4.0 Min Req = 1.5 Bearings B & D are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 2-5-15.



FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

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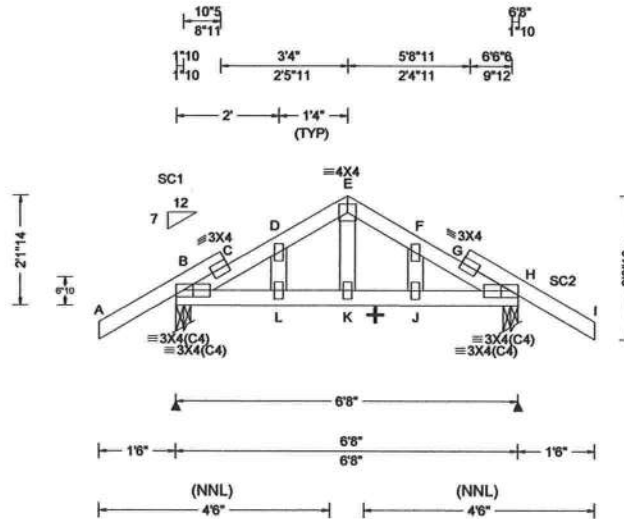
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 325045 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: K03	Cust: R215 JRef: 1WWe2150003 T23 DrwNo: 176.20.1644.18090 / YK 06/24/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building 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): 0.004 J 999 240 VERT(CL): 0.008 L 999 180 HORZ(LL): 0.002 F - - HORZ(TL): 0.003 D - - Creep Factor: 2.0 Max TC CSI: 0.239 Max BC CSI: 0.115 Max Web CSI: 0.048 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 408 /- /- /276 /278 /103 H 408 /- /- /276 /279 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 H Brg Width = 3.5 Min Req = 1.5 Bearings B & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 300 -476 G - H 289 -466

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Stack Chord: SC1 2x4 SP #2;
Stack Chord: SC2 2x4 SP #2;

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 2.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

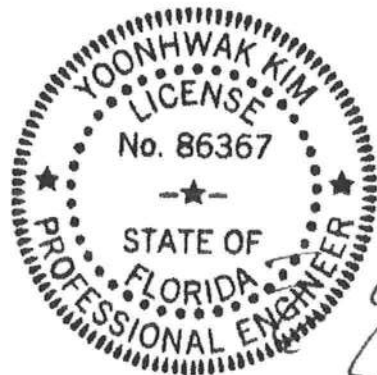
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

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 3x6.

The overall height of this truss excluding overhang is 2'-1-14".

+ Member to be laterally braced for out of plane wind loads



FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

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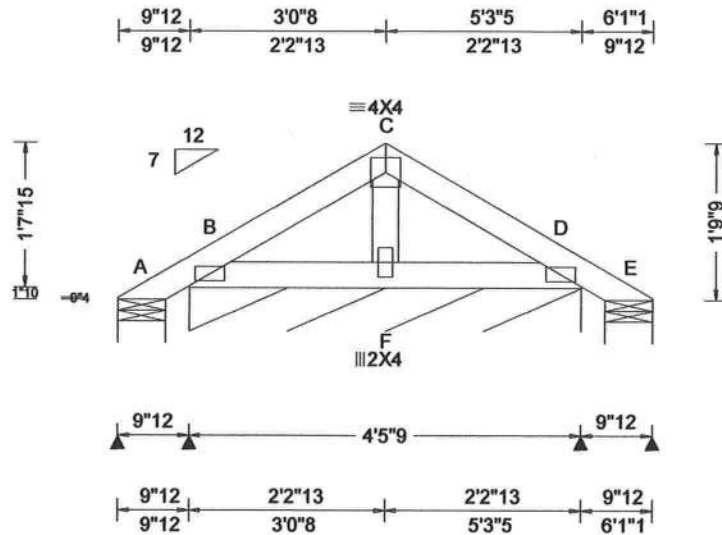
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 325046 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: P01	Cust: R 215 JRef: 1WW2150003 T41 DrwNo: 176.20.1644.19937 / YK 06/24/2020
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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: 15.87 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 Building 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): 0.000 F 999 240 VERT(CL): 0.001 F 999 180 HORZ(LL): -0.000 F - - HORZ(TL): 0.001 F - - Creep Factor: 2.0 Max TC CSI: 0.046 Max BC CSI: 0.046 Max Web CSI: 0.012 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 9 /- /- /27 /20 /42 B* 101 /- /- /49 /10 /- E 9 /- /- /6 /- /- Wind reactions based on MWFRS A Brg Width = 6.5 Min Req = 1.5 B Brg Width = 53.6 Min Req = - E Brg Width = 6.5 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.

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 DWG PB160101014 for piggyback details.
The overall height of this truss excluding overhang is 1-9-9.

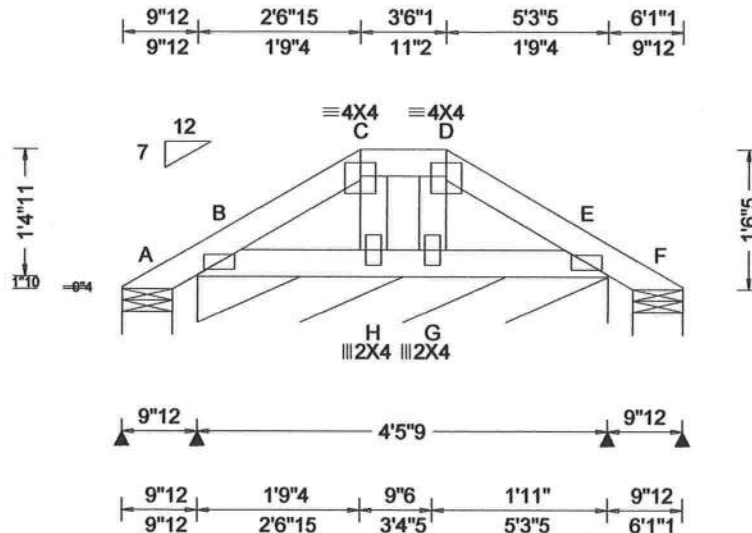


FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

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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. Refer to job's General Notes page for additional information.
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 325047 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: P02	Cust: R 215 JRef: 1WW2150003 T37 DrwNo: 176.20.1644.22353 / YK 06/24/2020
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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: 15.74 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 Building 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): 0.000 H 999 240 VERT(CL): 0.001 G 999 180 HORZ(LL): 0.000 H - - HORZ(TL): 0.000 H - - Creep Factor: 2.0 Max TC CSI: 0.027 Max BC CSI: 0.024 Max Web CSI: 0.011 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL A 16 /- /- /24 /13 /35 B* 97 /- /- /46 /9 /- F 16 /- /- /10 /1 /- Wind reactions based on MWFRS A Brg Width = 6.5 Min Req = 1.5 B Brg Width = 53.6 Min Req = - F Brg Width = 6.5 Min Req = 1.5 Bearings A, B, & F 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.

Purlins

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

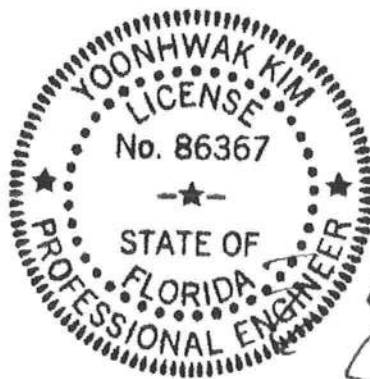
Wind

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

Additional Notes

Refer to DWG PB160101014 for piggyback details.

The overall height of this truss excluding overhang is 1-6-5.



FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

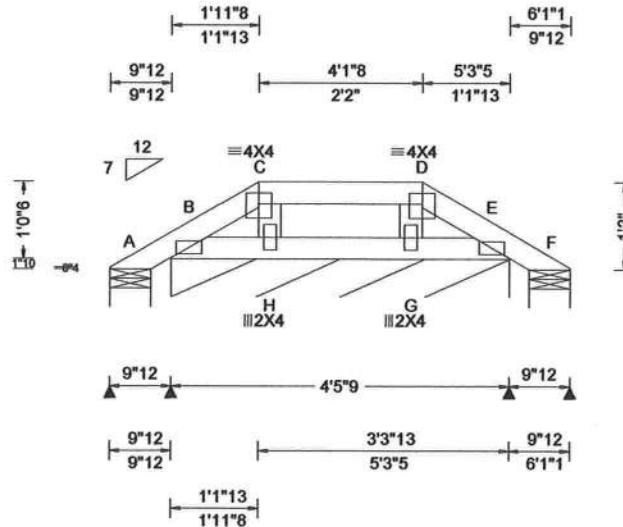
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 325048 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: P03	Cust: R215 JRef: 1WWe2150003 T40 DrwNo: 176.20.1644.24213 / YK 06/24/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Def/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: 15.56 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 Building 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): 0.000 G 999 240 VERT(CL): 0.000 G 999 180 HORZ(LL): 0.000 G - - HORZ(TL): 0.000 H - - Creep Factor: 2.0 Max TC CSI: 0.085 Max BC CSI: 0.023 Max Web CSI: 0.015 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 24 /- /- /20 /5 /27 B* 93 /- /- /44 /8 /- F 24 /- /- /16 /4 /- Wind reactions based on MWFRS A Brg Width = 6.5 Min Req = 1.5 B Brg Width = 53.6 Min Req = - F Brg Width = 6.5 Min Req = 1.5 Bearings A, B, & F 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.

Purlins

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

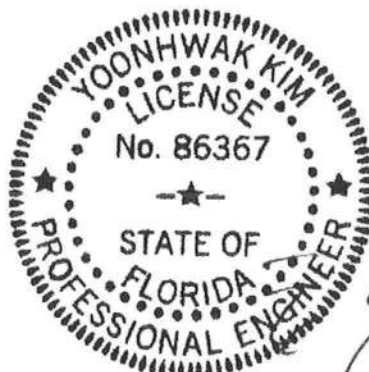
Wind

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

Additional Notes

Refer to DWG PB160101014 for piggyback details.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

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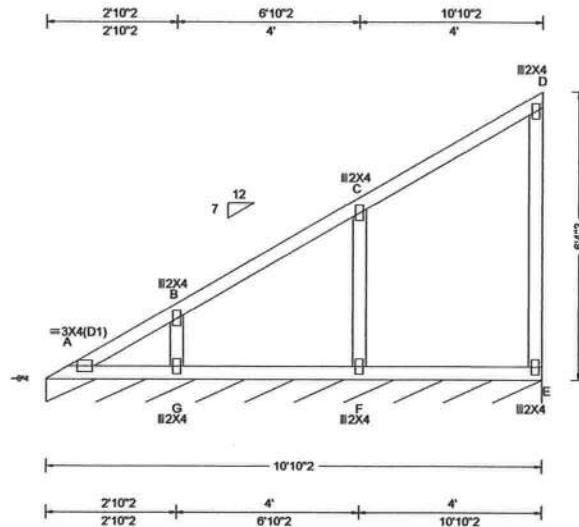
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 325049 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: V1	Cust: R215 JRef: 1WWe2150003 T55 Dwno: 176.20.1644.26147 / YK 06/24/2020
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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: 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 Building 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): 0.002 G 999 240 VERT(CL): 0.003 G 999 180 HORZ(LL): -0.002 D - - HORZ(TL): 0.003 D - - Creep Factor: 2.0 Max TC CSI: 0.263 Max BC CSI: 0.171 Max Web CSI: 0.090 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 82 /- /- /55 /4 /11 Wind reactions based on MWFRS E Brg Width = 130 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

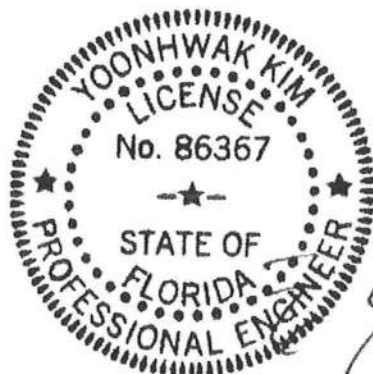
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.

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

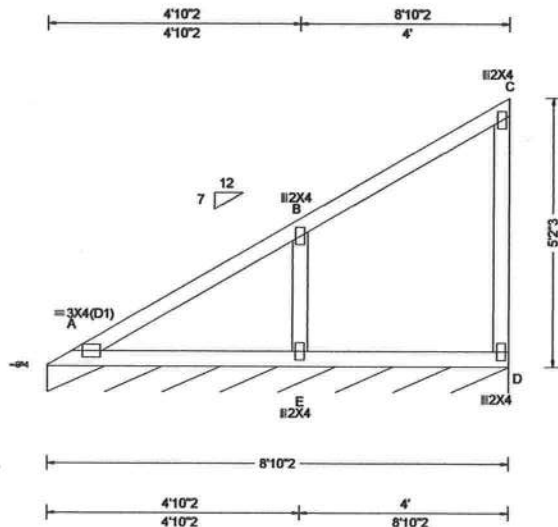


FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

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

SEQN: 325050 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: V2	Cust: R 215 JRef: 1WW2150003 T56 DrwNo: 176.20.1644.27380 / YK 06/24/2020
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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: 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 Building 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): 0.011 E 999 240 VERT(CL): 0.022 E 999 180 HORZ(LL): 0.003 E - - HORZ(TL): 0.007 E - - Creep Factor: 2.0 Max TC CSI: 0.318 Max BC CSI: 0.223 Max Web CSI: 0.068 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D* 82 /- /- /55 /4 /10 Wind reactions based on MWFRS D Brg Width = 106 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.

Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 5'-2-3/4".



FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

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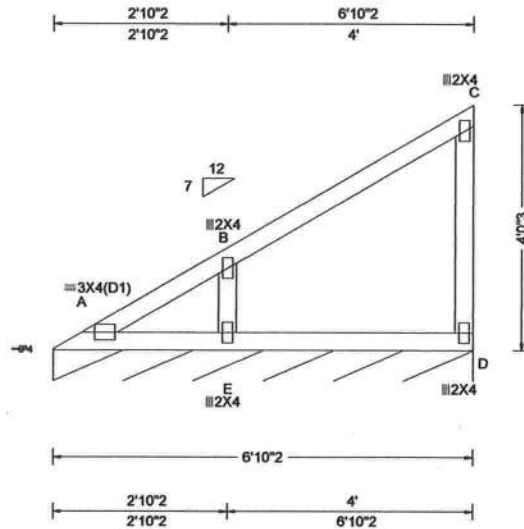
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 325051 FROM: CDM	VAL Qty: 1	Ply: 1 Qty: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: V3	Cust: R 215 JRef: 1WW2150003 T57 DrwNo: 176.20.1644.28440 / YK 06/24/2020
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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: 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 Building 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 E 999 240 VERT(CL): 0.002 E 999 180 HORZ(LL): -0.001 C - - HORZ(TL): 0.001 C - - Creep Factor: 2.0 Max TC CSI: 0.194 Max BC CSI: 0.131 Max Web CSI: 0.058 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL D* 82 /- /- /54 /3 /10 Wind reactions based on MWFRS D Brg Width = 82.1 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.
Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 4-0-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

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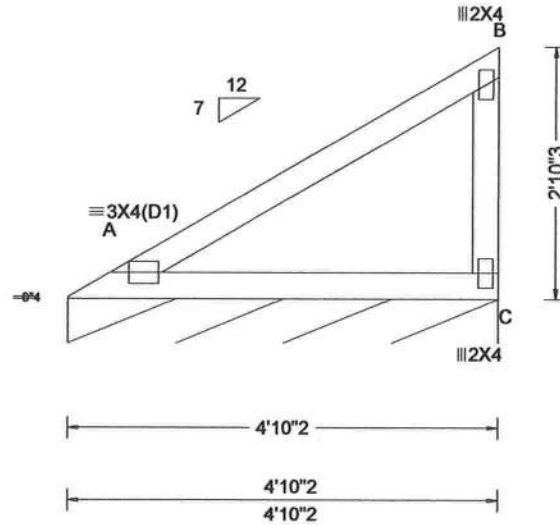
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 325052 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: V4	Cust: R 215 JRef: 1WWe2150003 T58 DrwNo: 176.20.1644.29440 / YK 06/24/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Def/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: 15.14 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 Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.005 C - - HORZ(TL): 0.011 C - - Creep Factor: 2.0 Max TC CSI: 0.288 Max BC CSI: 0.259 Max Web CSI: 0.080 VIEW Ver: 19.02.02B.0122.15	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL C* 81 /- /- /53 /3 /10 Wind reactions based on MWFRS C Brg Width = 58.1 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

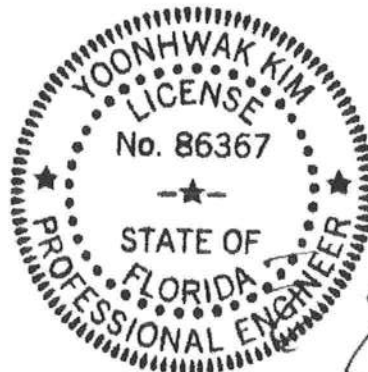
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 2-10-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

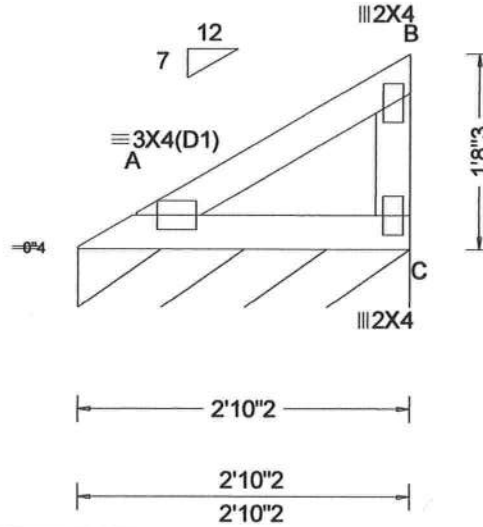
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

For more information see these web sites: Alpine: 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: 325053 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4381 LOT 88 ROLLING MEADOWS Truss Label: V5	Cust: R 215 JRef: 1WWe2150003 T59 DrwNo: 176.20.1644.31790 / YK 06/24/2020
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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	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	C*	80	/-	/-	/51	/2	/9
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 C - -	Wind reactions based on MWFRS						
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.002 C - -	C		Brg Width = 34.1		Min Req = -		
NCBCLL: 10.00	Mean Height: 15.72 ft		Creep Factor: 2.0	Bearing A is a rigid surface.						
Soffit: 2.00	TCDL: 5.0 psf	Building Code:	Max TC CSI: 0.088	Members not listed have forces less than 375#						
Load Duration: 1.25	BCDL: 5.0 psf	FBC 2017 RES	Max BC CSI: 0.076							
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max Web CSI: 0.020							
	C&C Dist a: 3.00 ft	Rep Fac: Yes								
	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;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 1-8-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
06/24/2020

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For more information see these web sites: Alpine: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

Member Substitution

Notes:

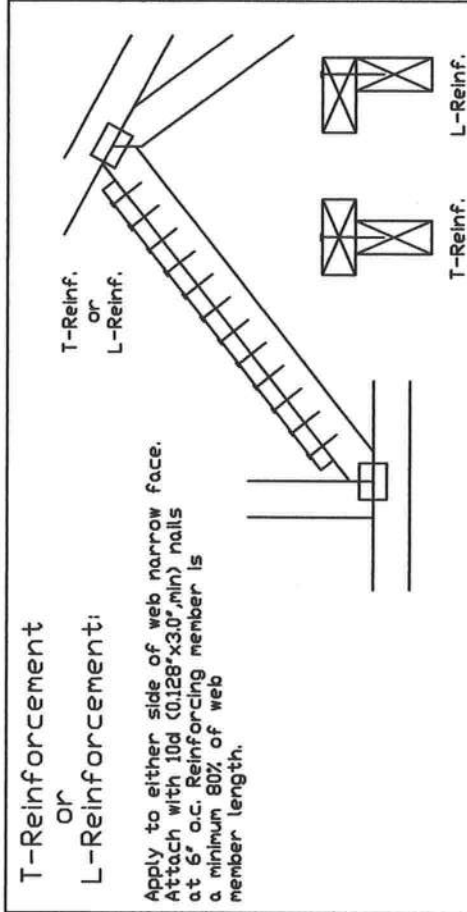
Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type.

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
2x8	1 row	2x6 1-2x8
2x8	2 rows	2x6 2-2x6

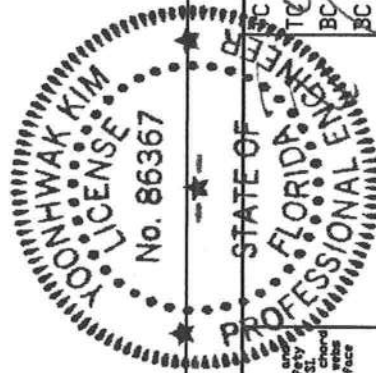
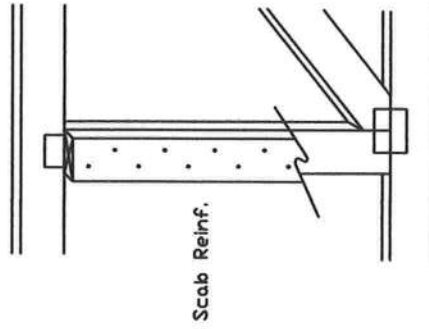
T-reinforcement, L-reinforcement, or scab reinforcement to be same species and grade or better than web member unless specified otherwise on Engineer's sealed design.

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



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 INSTRUCTIONS ON THE DRAWING. INSTALLERS MUST FURNISH THE DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLER.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of ECSC Guiding Component Safety Information, by TPI and SCAQ for safety instructions prior to performing these functions. Installers shall provide temporary bracing per ECSC section 20.0. Trusses shall be braced in accordance with ECSC section 20.0. Trusses shall have a properly attached roof ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per ECSC sections 20, 27 or 310, as applicable. Apply plates to each face of webs in accordance with ECSC section 20.0. Trusses shall be installed at intervals, unless noted otherwise, to drawings 160A-2 for standard plate positions.

Alone, a division of ITV Building Components Group Inc. shall not be responsible for any deviation from the design shown on this drawing, or for any failure to build the "I-us" in conformance with ANSI/TPI 1, or for handling, shipping, or installation of this drawing.

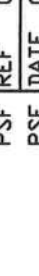
A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the building designer per ANSI/TPI 1, Sec. 5.

For more information see this job's general notes page and these web sites:

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

06/11/19

PL KEG# 278, Yoonhwak Kim, FL PE #86367



13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING TO THE INSTALLER.

Trusses are designed to be installed using the following practices, including, but not limited to, the following:

- Follow the latest edition of BCSI Building Code for all 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 roof ceiling.
- Locations shown for permanent lateral restraint of webs of trusses and position as shown above and on the joint drawings, unless noted otherwise.
- Refer to drawings 150M-2 for standard plate positions.

Alpha, 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, or securing of trusses.

A seal on this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The authenticity 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.alphabuild.com, TPI: www.tpi.net, ICC: www.icc-build.org, ICC: www.iccbuild.org

STATE OF FLORIDA
PROFESSIONAL ENGINEER

REF	CLR	Subst.	
DATE	01/02/19		
DRWG	BRCLBSUB0119		

PSF

PSF

PSF

PSF

PSF

CC LL

TQ DL

BC DL

BC LL

TOT. LD.

DJR. FAC.

SPACING

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

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

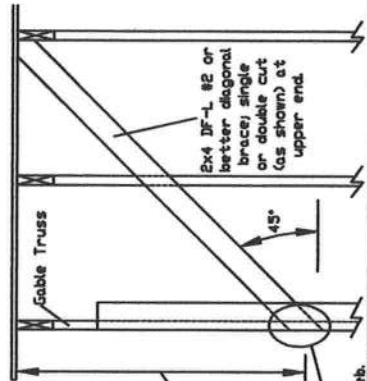
On 120 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00

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

120 mph Wind Speed, 15' Mean Height, Exposure D, Kzt = 1.00
 100 mph Wind Speed, 15' Mean Height, Exposure D, Kzt = 1.00

[illegible]

Connect diagonal at midpoint of vertical web.



connect diagonal at midpoint of vertical web.

IMPORTANT! READ AND FOLLOW ALL NOTES ON THIS DRAWING INCLUDING THE INSTALLER.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and allow the latest edition of ACI (Building Component Safety Information, by TPI and SCSA for safety information. Trusses are designed to be installed in a vertical position. Trusses are designed to be installed in a vertical position. Trusses are designed to be installed in a vertical position.

Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per ACI sections 85.3, 87 or 810, as applicable. Apply plates to each face of truss to provide lateral restraint. Refer to the details shown above and on the back of this drawing for details. Refer to the details shown above and on the back of this drawing for details.

Refer to chart above.

Alpine, a division of ITV Building Components Group Inc. shall not be responsible for any deviation from the design shown on these drawings, nor for any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation or 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.alpine.com TPI: www.tpi.org ICC: www.icc-inc.org

06104100

FL REG

Bracing Group Species and Grades:

Group A:		
Servus-Pine-Fir	Hein-Fir	
#1 / #2	#2	Stud
#3	#3	Standard
Douglas Fir-Larch	Southern Pine	
#3	#3	Stud
		Standard

Group B:		
Hein-Fir		
#1 & Btr		
#1		
Douglas Fir-Larch	Southern Pine	
#1	#1	Stud
#2	#2	Standard

1x4 Braces shall be SPS (Stress-Rated Boar...
 1x4 So. Pine use only Industrial S5
 Industrial 4S Stress-Rated Boar...
 values may be used with these grades.

Gable Truss Detail Notes:
d 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" brace, space nails at 2' o.c. in 18" end zones and 4' o.c. between zones.

For (2) 7" 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.

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

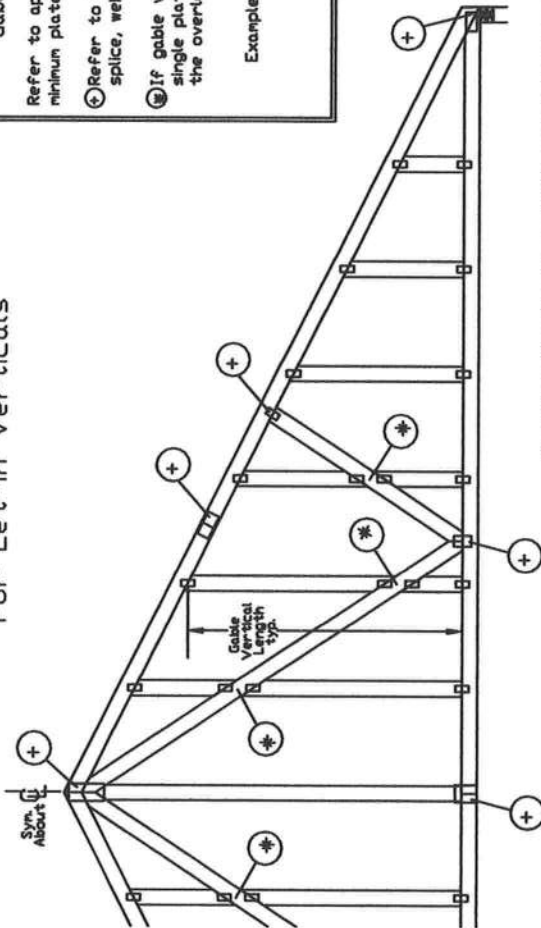
+ Refer to common truss design for peak, splice, and heel plates.

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

REF	ASCE7-10-GABI4015
DATE	10/01/14
DRWG	A14015ENC101014
MAX. TOT. L.D.	60 PSF
MAX. SPACING	24.0"

06/24/2029
PL REG# 278, Yoonhwak Kim, FL PE #86367

Gable Detail For Let-in Verticals



Gable Truss Plate Sizes

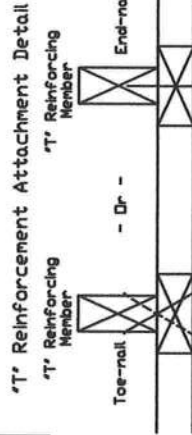
Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs.

⊕ 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.



Example:



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 130 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 3.1min) Nails at 4' o.c. plus

(4) nails in the top and bottom chords.

Toenailed Nails:

10d Common (0.148"x 3.1min) 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, A10015051014, A14015051014,

A13030051014, A12030051014, A11030051014, A10030051014

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

A11515ENC100118, A12015ENC100118, A14015ENC100118, A16015ENC100118,

A18015ENC100118, A20015ENC100118, A22015ENC100118, A24015ENC100118,

A11530ENC100118, A12030ENC100118, A14030ENC100118, A16030ENC100118,

A18030ENC100118, A20030ENC100118, A22030ENC100118, A24030ENC100118,

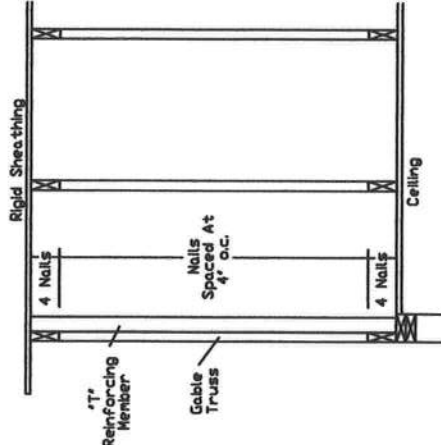
S11515ENC100118, S12015ENC100118, S14015ENC100118, S16015ENC100118,

S18015ENC100118, S20015ENC100118, S22015ENC100118, S24015ENC100118,

S11530ENC100118, S12030ENC100118, S14030ENC100118, S16030ENC100118,

S18030ENC100118, S20030ENC100118, S22030ENC100118, S24030ENC100118

See appropriate Alpine gable detail for maximum unreinforced gable vertical length



IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING

UNLESS OTHERWISE SPECIFIED, ALL MATERIALS AND METHODS SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FOLLOWING:

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the manufacturer's instructions for proper handling, shipping, installing and bracing.

Trusses shall be installed in accordance with the manufacturer's instructions and the design engineer's specifications.

Unless noted otherwise, top chord shall have properly attached structural sheathing on bottom chord.

Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per AISI sections 33, 37 or 310, 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 ISM-2 for standard plate positions.

Alpine, a division of ITV Building Components Group Inc. shall not be responsible for any deviation from the manufacturer's instructions or the design engineer's specifications.

Alpine warrants that the trusses are manufactured in accordance with the design engineer's specifications and the manufacturer's instructions.

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For more information see this job's general notes page and these web site: <http://www.alpinebuildings.com> TP1 www.alpinebuildings.com ICD www.alpinebuildings.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"

Professional Engineer Seal: STATE OF FLORIDA, PROFESSIONAL ENGINEER, KIM, 278, License #86367

Piggyback Detail - ASCE 7-10: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

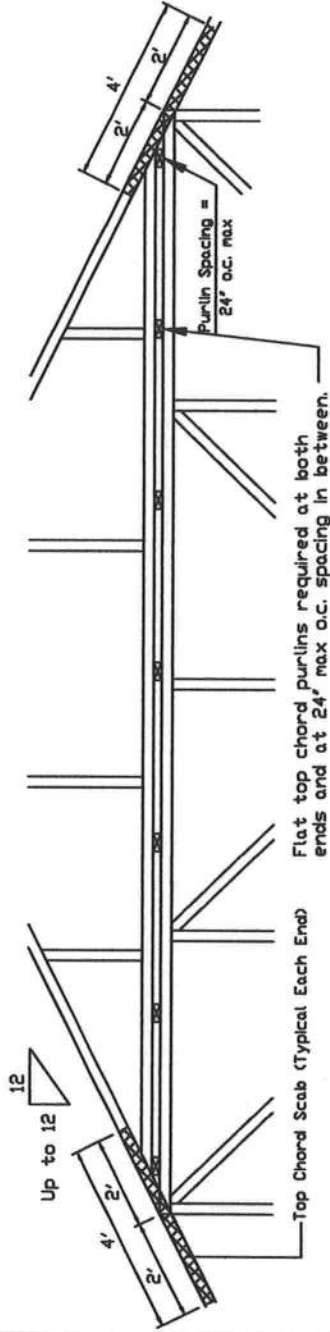
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg, located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0, or 140 mph Wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg, located anywhere in roof, Exp D, Wind DL= 5.0 psf (min), Kzt=1.0.

Note: Top chords of trusses supporting piggyback cap trusses must be adequately braced by sheathing or purlins. The Building Engineer of Record shall provide diagonal bracing or any other suitable anchorage to permanently restrain purlins, and lateral bracing for out of plane loads over gable ends.

Maximum truss spacing is 24' o.c. detail is not applicable if cap supports additional loads such as cupola, steeple, chimney or drag strut loads.

Refer to Engineer's sealed truss design drawing for piggyback and base truss specifications.

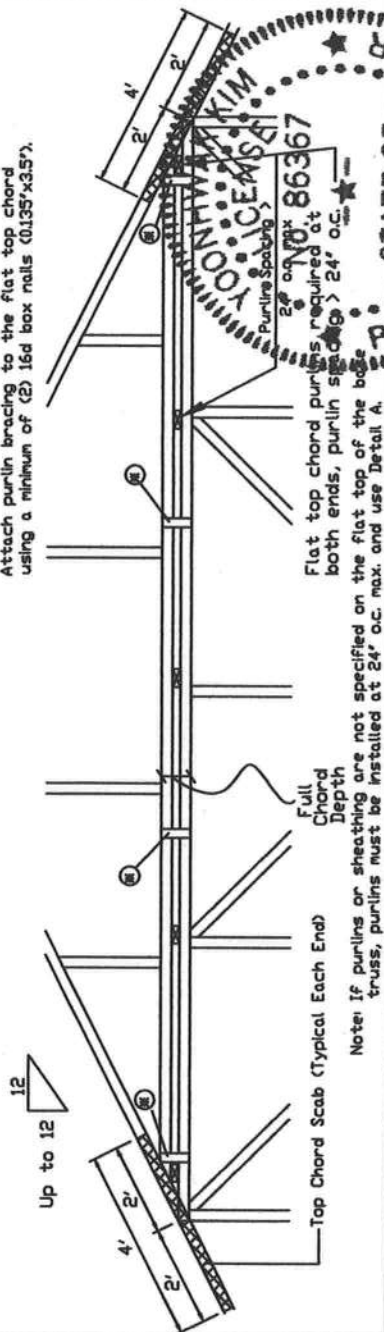
Detail A : Purlin Spacing = 24" o.c. or less



Detail B : Purlin Spacing > 24" o.c.

Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135x3.5) and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128x3) at 4' o.c.

Attach purlin bracing to the flat top chord using a minimum of (2) 16d box nails (0.135x3.5).



Note: If purlins or sheathing are not specified on the flat top of the base truss, purlins must be installed at 24' o.c. max. and use Detail A.

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Suite 200
Maryland Heights, MO 63043

In addition, provide connection with one of the following methods:

Trulox
Use 3X8 Trulox plates for 2x4 chord member, and 3X10 Trulox plates for 2x6 and larger chord members. Attach to each face @ 8' o.c. with (4) 0.120x1.375" nails into cap bottom chord and (4) in base truss top chord. Trulox plates may be staggered 4' o.c. front to back faces.

APA Rated Gussset

8"x8"x7/16" (min) APA rated sheathing gussets (each face). Attach @ 8' o.c. with (8) 8d common (0.113x2.75) nails per gusset. (4) in cap bottom chord and (4) in base truss top chord. Gussets may be staggered 4' o.c. front to back faces.

2x4 Vertical Scabs

2x4 SPF #2, full chord depth scabs (each face). Attach @ 8' o.c. with (6) 10d box nails (0.128x3) per scab, (3) in cap bottom chord and (3) in base truss top chord. Scabs may be staggered 4' o.c. front to back faces.

28PB Wave Piggyback Plate

One 28PB wave piggyback plate to each face @ 8' o.c. Attach teeth to piggyback at time of fabrication. Attach to supporting truss with (4) 0.120x1.375" nails per face per ply. Piggyback plates may be staggered 4' o.c. front to back faces.

REF PIGGYBACK

DATE 10/01/14

DRWG PB160101014

SPACING 24.0'

Yoonhwak Kim, FL PE #86367

