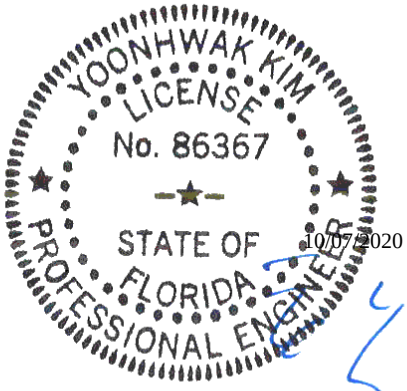

10/07/2020

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ALPINE AN ITW COMPANY

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

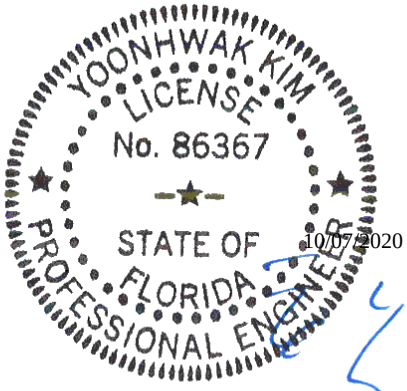
Alpine, an ITW Company
6750 Forum Drive, Suite 305
Orlando, FL 32821
Phone: (800)755-6001
www.alpineitw.com

Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	*Job Number:* 20-4572
Job Description: Reiter	
Address: FL	

Job Engineering Criteria:	
Design Code: FBC 2017 RES	*IntelliVIEW Version:* 20.01.00A *JRef #:* 1WZa2150004
Wind Standard: ASCE 7-10 *Wind Speed (mph):* 130 *Building Type:* Closed	*Design Loading (psf):* 40.00

This package contains general notes pages, 58 truss drawing(s) and 1 detail(s).

Item	Drawing Number	Truss	Item	Drawing Number	Truss
1	281.20.1205.49183	A01	2	281.20.1205.52763	A02
3	281.20.1205.56437	A03	4	281.20.1206.04223	A04
5	281.20.1206.19487	A05	6	281.20.1206.22680	A06
7	281.20.1206.30360	A07	8	281.20.1206.35967	B01
9	281.20.1206.40460	B02	10	281.20.1206.44683	B03
11	281.20.1206.48467	B04	12	281.20.1206.52510	B05
13	281.20.1207.45260	B06	14	281.20.1207.48217	B07
15	281.20.1207.56230	B08	16	281.20.1208.01583	B09
17	281.20.1208.14940	B10	18	281.20.1208.22093	C01
19	281.20.1208.25483	C02	20	281.20.1208.29220	C03
21	281.20.1208.32390	C04	22	281.20.1208.35247	C05
23	281.20.1208.38487	C06	24	281.20.1208.42063	C07
25	281.20.1208.48647	C08	26	281.20.1208.51810	D01
27	281.20.1209.11227	D02	28	281.20.1209.13840	D03
29	281.20.1209.16770	G01	30	281.20.1209.19197	G02
31	281.20.1210.31577	G03	32	281.20.1210.34617	G04
33	281.20.1210.37783	G05	34	281.20.1210.40717	G06
35	281.20.1210.44260	G07	36	281.20.1210.47607	G08
37	281.20.1210.50070	H01	38	281.20.1210.52203	H02
39	281.20.1210.54460	H03	40	281.20.1210.56900	H04
41	281.20.1211.00287	H05	42	281.20.1211.09620	HJ1
43	281.20.1211.12767	HJ2	44	281.20.1211.14920	HJ3
45	281.20.1211.17010	J01	46	281.20.1211.18943	J02
47	281.20.1211.21240	J03	48	281.20.1211.23113	J05
49	281.20.1211.25250	J07	50	281.20.1211.27310	J07A
51	281.20.1211.29717	J07B	52	281.20.1211.31847	J07C



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Site Information:	Page 2:
Customer: W. B. Howland Company, Inc.	*Job Number:* 20-4572
Job Description: Reiter	
Address: FL	

Item	Drawing Number	Truss
53	281.20.1211.34000	J08
55	281.20.1211.38277	J10
57	281.20.1211.46230	L01
59	BRCLBSUB0119	

Item	Drawing Number	Truss
54	281.20.1211.36123	J09
56	281.20.1211.42557	K01
58	281.20.1211.50653	L02

General Notes

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

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

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

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

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

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

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

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

General Notes (continued)

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

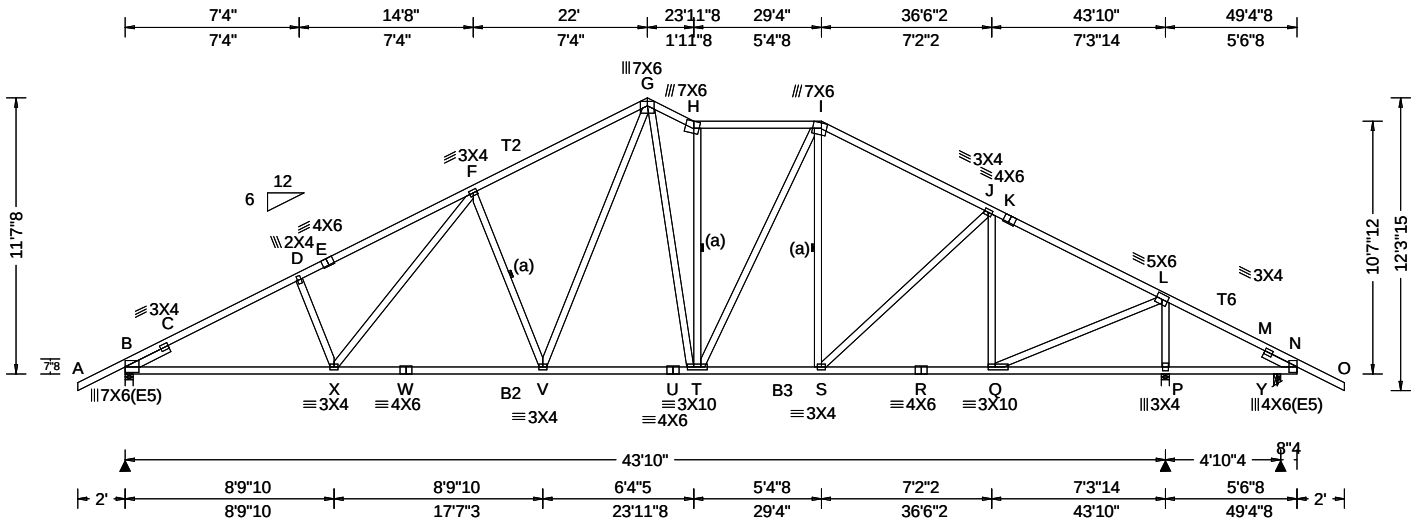
BCDL = Bottom Chord standard design Dead Load in pounds per square foot.
BCLL = Bottom Chord standard design Live Load in pounds per square foot.
CL = Certified lumber.
Des Ld = total of TCLL, TCDL, BCLL and BCDL Design Load in pounds per square foot.
FRT = Fire Retardant Treated lumber.
FRT-DB = D-Blaze Fire Retardant Treated lumber.
FRT-DC = Dricon Fire Retardant Treated lumber.
FRT-FP = FirePRO Fire Retardant Treated lumber.
FRT-FL = FlamePRO Fire Retardant Treated lumber.
FRT-FT = FlameTech Fire Retardant Treated lumber.
FRT-PG = PYRO-GUARD Fire Retardant Treated lumber.
g = green lumber.
HORZ(LL) = maximum Horizontal panel point deflection due to Live Load, in inches.
HORZ(TL) = maximum Horizontal panel point long term deflection in inches, due to Total Load, including creep adjustment.
HPL = additional Horizontal Load added to a truss Piece in pounds per linear foot or pounds.
Ic = Incised lumber.
FJ = Finger Jointed lumber.
L/# = user specified divisor for limiting span/deflection ratio for evaluation of actual L/defl value.
L/defl = ratio of Length between bearings, in inches, divided by the vertical Deflection due to creep, in inches, at the referenced panel point. Reported as 999 if greater than or equal to 999.
Loc = Location, starting location of left end of bearing or panel point (joint) location of deflection.
Max BC CSI = Maximum bending and axial Combined Stress Index for Bottom Chords for of all load cases.
Max TC CSI = Maximum bending and axial Combined Stress Index for Top Chords for of all load cases.
Max Web CSI= Maximum bending and axial Combined Stress Index for Webs for of all load cases.
NCBCLL = Non-Concurrent Bottom Chord design Live Load in pounds per square foot.
PL = additional Load applied at a user specified angle on a truss Piece in pounds per linear foot or pounds.
PLB = additional vertical load added to a Bottom chord Piece of a truss in pounds per linear foot or pounds
PLT = additional vertical load added to a Top chord Piece of a truss in pounds per linear foot or pounds.
PP = Panel Point.
R = maximum downward design Reaction, in pounds, from all specified gravity load cases, at the indicated location (Loc).
-R = maximum upward design Reaction, in pounds, from all specified gravity load cases, at the identified location (Loc).
Rh = maximum horizontal design Reaction in either direction, in pounds, from all specified gravity load cases, at the indicated location (Loc).
RL = maximum horizontal design Reaction in either direction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).
Rw = maximum downward design Reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the identified location (Loc).
TCDL = Top Chord standard design Dead Load in pounds per square foot.
TCLL = Top Chord standard design Live Load in pounds per square foot.
U = maximum Upward design reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).
VERT(CL) = maximum Vertical panel point deflection in inches due to Live Load and Creep Component of Dead Load in inches.
VERT(CTL) = maximum Vertical panel point deflection ratios due to Live Load and Creep Component of Dead Load, and maximum long term Vertical panel point deflection in inches due to Total load, including creep adjustment.
VERT(LL) = maximum Vertical panel point deflection in inches due to Live Load.
VERT(TL) = maximum Vertical panel point long term deflection in inches due to Total load, including creep adjustment.
W = Width of non-hanger bearing, in inches.

Refer to ASCE-7 for Wind and Seismic abbreviations.
Uppercase Acronyms not explained above are as defined in TPI 1.

References:

1. AWC: American Wood Council; 222 Catoctin Circle SE, Suite 201; Leesburg, VA 20175; www.awc.org.
2. ICC: International Code Council; www.iccsafe.org.
3. Alpine, a division of ITW Building Components Group Inc.: 514 Earth City Expressway, Suite 242, Earth City, MO 63045; www.alpineitw.com.
4. TPI: Truss Plate Institute, 2670 Crain Highway, Suite 203, Waldorf, MD 20601; www.tpinst.org.
5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www.sbcindustry.com.

SEQN: 377124 SPEC FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** A01	Cust: R 215 JRef:1WZa2150004 T34 DrwNo: 281.20.1205.49183 / YK 10/07/2020	



Loading Criteria (psf)

TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria

Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.94 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)

Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.147	H	999	240
VERT(CL): 0.301	H	999	180
HORZ(LL): 0.050	C	-	-
HORZ(TL): 0.102	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.659
Max BC CSI: 0.867
Max Web CSI: 0.807

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
B	1901	/-	/-	/1199	/50	/360
P	2466	/-	/-	/1426	/53	/-
Y	130	/-165	/-	/94	/74	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.6
P Brg Width = 4.0 Min Req = 1.7
Y Brg Width = 3.5 Min Req = 1.5
Bearings B, P, & Y 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	794	- 3242	H - I	622	- 1797
C - D	746	- 3157	I - J	599	- 1894
D - E	768	- 3035	J - K	465	- 1530
E - F	799	- 3000	K - L	460	- 1711
F - G	733	- 2337	L - M	787	- 348
G - H	712	- 2008	M - N	1143	- 459

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - X	2756	- 514	T - S	1601	- 230
X - W	2250	- 372	S - R	1465	- 241
W - V	2250	- 372	R - Q	1465	- 241
V - U	1678	- 205	Q - P	429	- 555
U - T	1678	- 205	P - N	895	- 1229

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
X - F	620	- 139	T - I	446	- 156
F - V	272	- 703	J - Q	255	- 712
V - G	869	- 244	Q - L	2118	- 568
G - T	728	- 309	L - P	678	- 2296
H - T	374	- 1001			

Lumber

Top chord: 2x4 SP #2; T2,T6 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B2,B3 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 2.016'
Rt Slider: 2x4 SP #3; block length = 1.511'

Bracing

(a) Continuous lateral restraint equally spaced on member.

Purlins

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

Wind

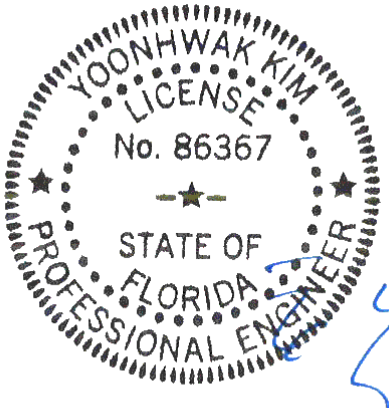
Wind loads based on MWFRS with additional C&C member design.

Right cantilever is exposed to wind

Additional Notes

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

The overall height of this truss excluding overhang is 11-7-8.



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10/07/2020

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****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: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
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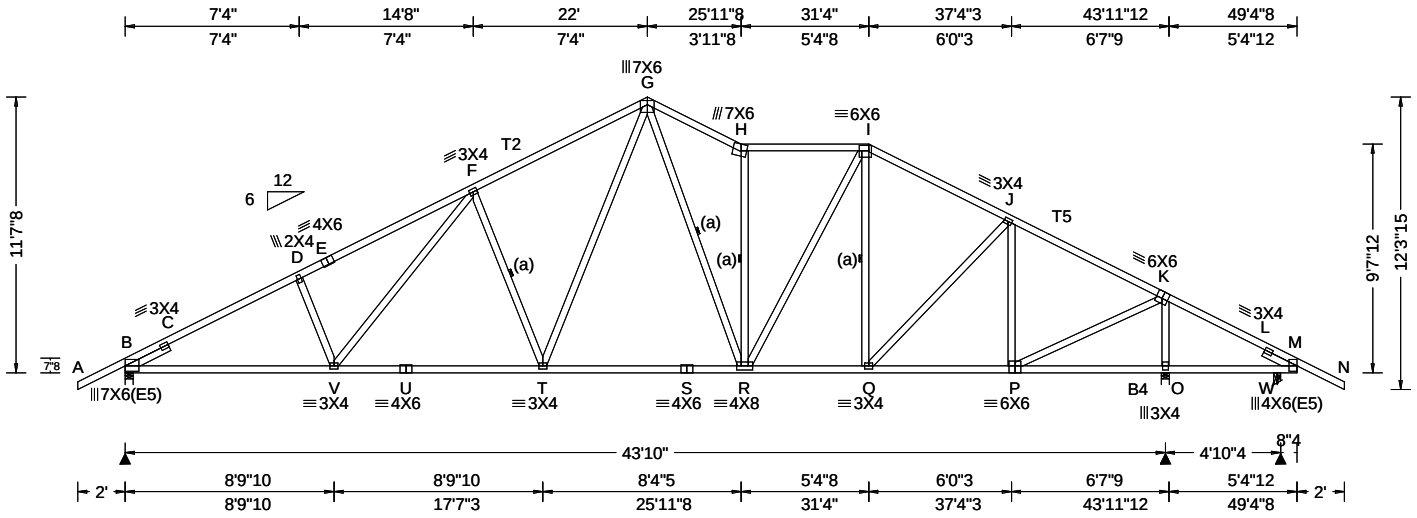
Suite 305
Orlando FL, 32821

SEQN: 377114 SPEC FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** A02	Cust: R 215 JRef:1WZa2150004 T33 DrwNo: 281.20.1205.52763 / YK 10/07/2020	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.94 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.143	H	999	240
VERT(CL): 0.292	H	999	180
HORZ(LL): 0.050	C	-	-
HORZ(TL): 0.102	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.665
Max BC CSI: 0.465
Max Web CSI: 0.773

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1908	/-	/-	/1200	/47	/360
O	2402	/-	/-	/1389	/52	/-
W	157	/-102	/-	/103	/47	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.6
O Brg Width = 4.0 Min Req = 2.5
W Brg Width = 3.5 Min Req = 1.5
Bearings B, O, & W are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	821	- 3263	H - I	665	- 1951
C - D	769	- 3168	I - J	616	- 1911
D - E	791	- 3046	J - K	466	- 1644
E - F	822	- 3011	K - L	706	- 349
F - G	755	- 2355	L - M	1011	- 518
G - H	803	- 2240			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - V	2766	- 519	R - Q	1631	- 267
V - U	2265	- 378	Q - P	1420	- 251
U - T	2265	- 378	P - O	431	- 489
T - S	1686	- 212	O - M	901	- 1097
S - R	1686	- 212			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
V - F	612	- 139	R - I	668	- 218
F - T	273	- 702	J - P	280	- 788
T - G	890	- 241	P - K	2028	- 577
G - R	833	- 365	K - O	691	- 2248
H - R	479	- 1218			

Lumber

Top chord: 2x4 SP #2; T2,T5 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B4 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 2.016'
Rt Slider: 2x4 SP #3; block length = 1.511'

Bracing

(a) Continuous lateral restraint equally spaced on member.

Purlins

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

Wind

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

Right cantilever is exposed to wind

Additional Notes

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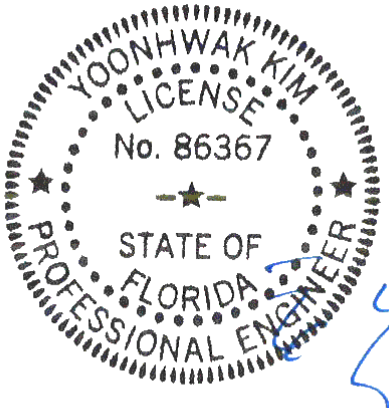

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10/07/2020

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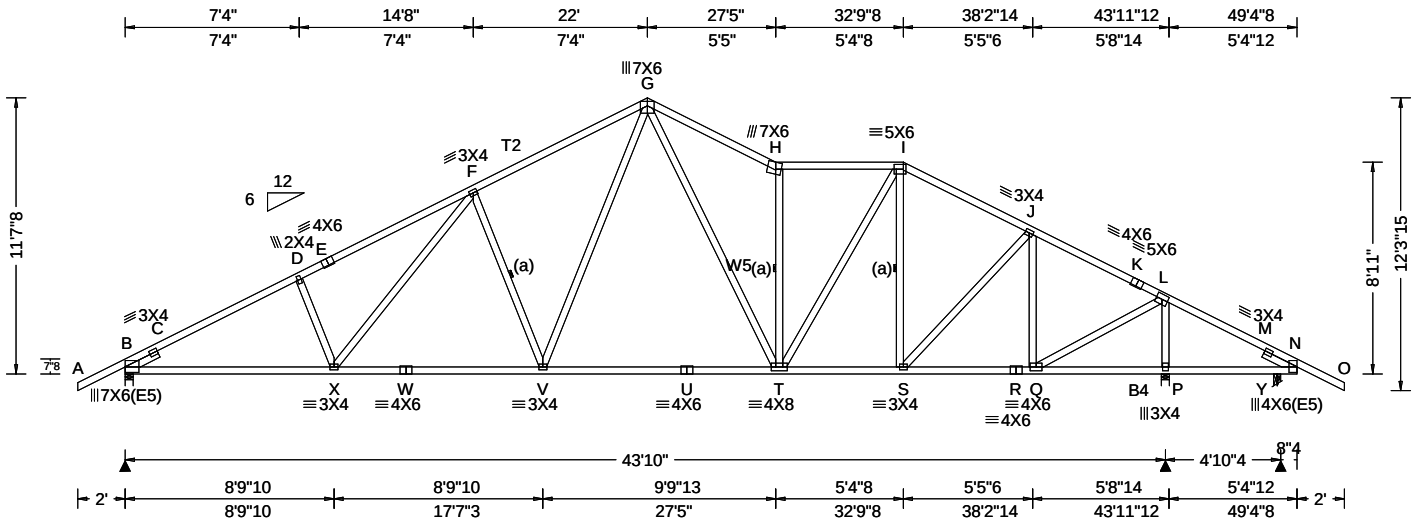
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 377119 SPEC FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** A03	Cust: R 215 JRef:1WZa2150004 T35 DrwNo: 281.20.1205.56437 / YK 10/07/2020	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.94 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.147	V	999	240
VERT(CL): 0.300	V	999	180
HORZ(LL): 0.043	D	-	-
HORZ(TL): 0.088	Q	-	-

Creep Factor: 2.0
Max TC CSI: 0.689
Max BC CSI: 0.459
Max Web CSI: 0.765

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
B	1903	/-	/-	/1196	/45	/360
P	2446	/-	/-	/1403	/54	/-
Y	140	/-144	/-	/92	/57	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.6
P Brg Width = 4.0 Min Req = 2.5
Y Brg Width = 3.5 Min Req = 1.5
Bearings B, P, & Y 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	849	-3316	H - I	682	-2037
C - D	773	-3170	I - J	605	-1868
D - E	795	-3035	J - K	429	-1447
E - F	826	-3000	K - L	406	-1478
F - G	761	-2348	L - M	782	-377
G - H	845	-2368	M - N	1085	-498

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - X	2756	-514	T - S	1601	-274
X - W	2258	-373	S - R	1285	-227
W - V	2258	-373	R - Q	1285	-227
V - U	1677	-209	Q - P	456	-556
U - T	1677	-209	P - N	951	-1233

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
X - F	607	-141	T - I	854	-271
F - V	270	-695	S - J	516	-153
V - G	902	-236	J - Q	315	-911
G - T	868	-382	Q - L	2007	-586
H - T	527	-1335	L - P	714	-2291

Lumber

Top chord: 2x4 SP #2; T2 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B4 2x4 SP #2;
Webs: 2x4 SP #3; W5 2x4 SP M-31;
Lt Slider: 2x4 SP #3; block length = 1.504'
Rt Slider: 2x4 SP #3; block length = 1.511'

Bracing

(a) Continuous lateral restraint equally spaced on member.

Purlins

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

Wind

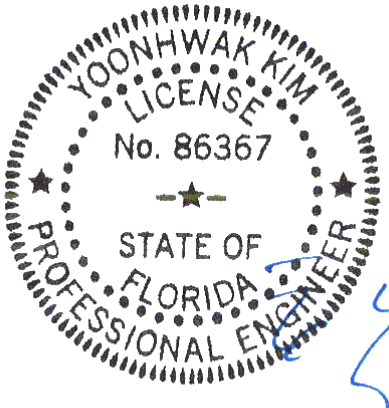
Wind loads based on MWFRS with additional C&C member design.

Right cantilever is exposed to wind

Additional Notes

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

The overall height of this truss excluding overhang is 11-7-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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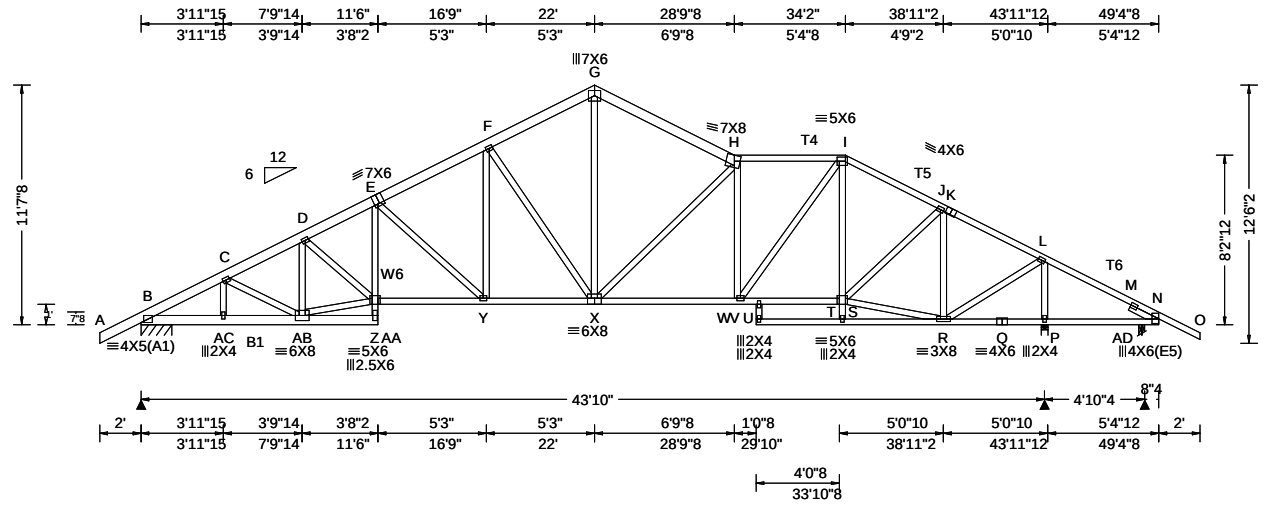
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 377134 SPEC FROM: CDM Page 1 of 2	Ply: 2 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** A04	Cust: R 215 JRef:1WZa2150004 T7 DrwNo: 281.20.1206.04223 / YK 10/07/2020	

2 Complete Trusses Required



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.053 Y 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.144 Y 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.027 R - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.073 R - -
NCBCLL: 0.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.124
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.368
Spacing: 16.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Varies by Ld Case	Max Web CSI: 0.522
	C&C Dist a: 4.94 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 11.67 ft	Plate Type(s):	VIEW Ver: 20.01.00A.0415.10
	GCpi: 0.18	WAVE	
	Wind Duration: 1.60		

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B*	1495	/-	/0	/540	/19	/160
P	1873	/-	/-	/940	/241	/-
AD	10	/-206	/-	/64	/70	/-

Wind reactions based on MWFRS
B Brg Width = 18.0 Min Req = -
P Brg Width = 4.0 Min Req = 1.5
AD Brg Width = 3.5 Min Req = 1.5
Bearings B, P, & AD 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	184	-1387	H - I	240	-901
C - D	228	-1513	I - J	204	-761
D - E	264	-1577	J - K	130	-427
E - F	239	-1129	K - L	129	-468
F - G	222	-841	M - N	457	-168
G - H	220	-847			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B -AC	2371	-222	X - W	913	-145
AC-AB	1188	-112	W - U	661	-99
Z - Y	1398	-154	U - S	655	-97
Y - X	980	-105	P - N	321	-578

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AB- Z	1371	-141	W - I	432	-105
Z - E	503	-29	S - R	401	-62
E - Y	66	-561	J - R	111	-473
Y - F	382	-35	R - L	758	-190
F - X	81	-434	L - P	236	-874
G - X	586	-127			

Lumber

Top chord: 2x6 SP 2400f-2.0E; T4,T5 2x4 SP #2; T6 2x4 SP M-31;
Bot chord: 2x4 SP #2; B1 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W6 2x4 SP M-31;
Rt Slider: 2x4 SP #3; block length = 1.511'

Wind

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

Right cantilever is exposed to wind

Nailnote

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

Special Loads

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

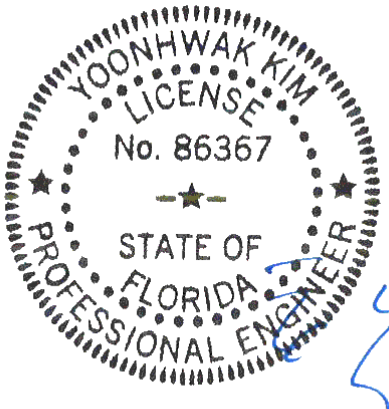
TC: From	42 plf at	-2.00 to	42 plf at	51.38
BC: From	3 plf at	-2.00 to	3 plf at	0.00
BC: From	13 plf at	0.00 to	13 plf at	1.50
BC: From	123 plf at	1.50 to	123 plf at	11.50
BC: From	13 plf at	11.50 to	13 plf at	49.38
BC: From	3 plf at	49.38 to	3 plf at	51.38

Plating Notes

All plates are 3X4 except as noted.

Purlins

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



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10/07/2020

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

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6750 Forum Drive
Suite 305
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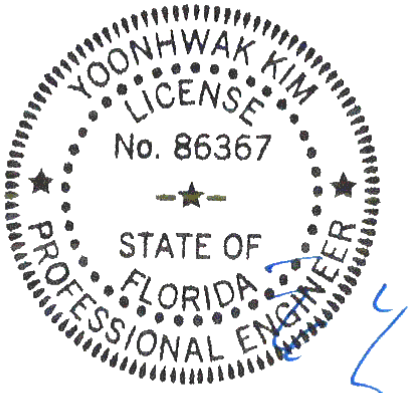
Additional Notes

Negative reaction(s) of -206# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

The overall height of this truss excluding overhang is 11-7-8.

WIND LOAD CASE MODIFIED!



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10/07/2020

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ALPINE
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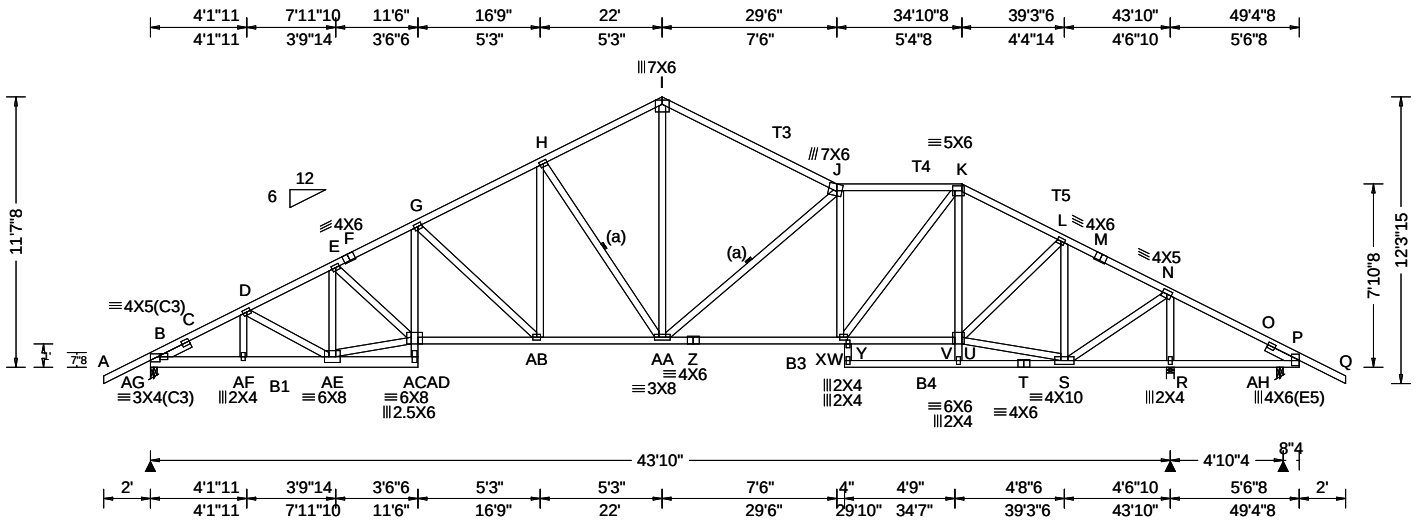
Orlando FL, 32821

SEQN: 377157 SPEC FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** A05	Cust: R 215 JRef:1WZa2150004 T3 DrwNo: 281.20.1206.19487 / YK 10/07/2020	



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 16.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.94 ft
Loc. from endwall: not in 11.67 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.116	AB	999	240
VERT(CL): 0.238	AB	999	180
HORZ(LL): 0.050	S	-	-
HORZ(TL): 0.104	S	-	-

Creep Factor: 2.0
Max TC CSI: 0.447
Max BC CSI: 0.533
Max Web CSI: 0.673

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
AG	1269	/-	/-	/794	/39	/240
R	1714	/-	/-	/968	/35	/-
AH	46	/-174	/-	/61	/89	/-

Wind reactions based on MWFRS
AG Brg Width = 3.5 Min Req = 1.5
R Brg Width = 4.0 Min Req = 1.6
AH Brg Width = 3.5 Min Req = 1.5
Bearings AG, R, & AH 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	491	- 1974	I - J	443	- 1415
C - D	459	- 1945	J - K	487	- 1592
D - E	483	- 1953	K - L	399	- 1329
E - F	537	- 2205	L - M	241	- 739
F - G	546	- 2193	M - N	236	- 793
G - H	485	- 1759	N - O	663	- 276
H - I	444	- 1388	O - P	864	- 354

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B -AF	1696	- 306	Z - Y	1615	- 306
AF-AE	1693	- 306	Y - W	1151	- 193
AC-AB	1948	- 320	W - U	1143	- 190
AB-AA	1516	- 215	S - R	326	- 492
AA- Z	1615	- 306	R - P	678	- 1066

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AE- E	97	- 463	J - Y	210	- 557
AE-AC	1766	- 305	Y - K	772	- 242
AC- G	422	- 73	U - L	674	- 150
G -AB	143	- 583	U - S	683	- 110
AB- H	423	- 79	L - S	234	- 883
H -AA	172	- 560	S - N	1345	- 392
AA- J	229	- 545	N - R	490	- 1596
I -AA	921	- 255			

Lumber

Top chord: 2x4 SP M-31; T3,T4,T5 2x4 SP #2;
Bot chord: 2x4 SP #2; B1 2x6 SP 2400f-2.0E; B3, B4 2x4 SP M-31;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.500'
Rt Slider: 2x4 SP #3; block length = 1.511'

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 cantilever is exposed to wind

Additional Notes

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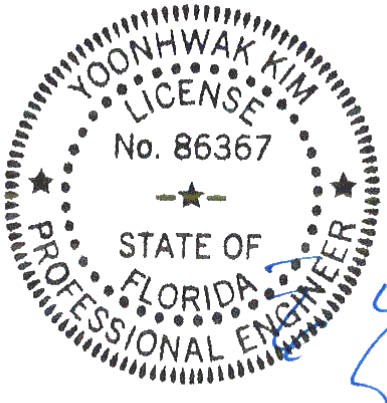
The overall height of this truss excluding overhang is 11-7-8.

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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ALPINE
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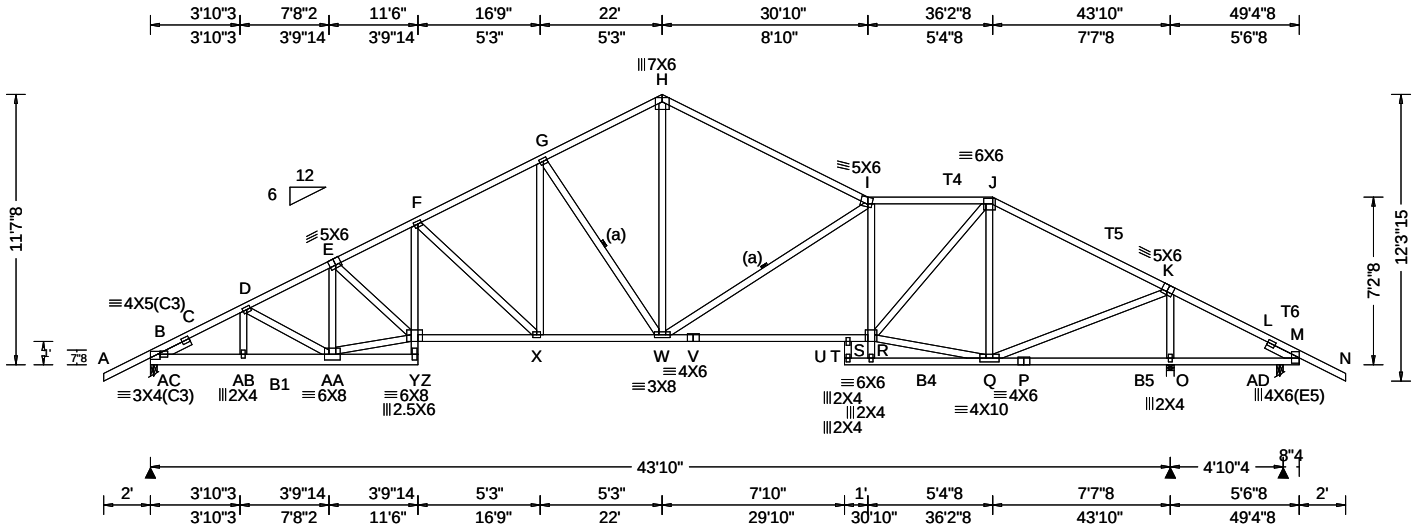
SEQN: 377154 SPEC FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** A06	Cust: R 215 JRef:1WZa2150004 T8 DrwNo: 281.20.1206.22680 / YK 10/07/2020	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 16.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.94 ft
Loc. from endwall: not in 11.67 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.115	X	999	240
VERT(CL): 0.235	X	999	180
HORZ(LL): 0.048	Q	-	-
HORZ(TL): 0.100	Q	-	-

Creep Factor: 2.0
Max TC CSI: 0.628
Max BC CSI: 0.382
Max Web CSI: 0.673

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
AC	1270	/-	/-	/795	/37	/240
O	1690	/-	/-	/966	/35	/-
AD	64	/-161	/-	/55	/73	/-

Wind reactions based on MWFRS
AC Brg Width = 3.5 Min Req = 1.5
O Brg Width = 4.0 Min Req = 1.6
AD Brg Width = 3.5 Min Req = 1.5
Bearings AC, O, & AD 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	485	- 1977	H - I	435	- 1433
C - D	455	- 1948	I - J	500	- 1712
D - E	478	- 1955	J - K	331	- 1139
E - F	540	- 2208	K - L	602	- 257
F - G	479	- 1762	L - M	897	- 289
G - H	437	- 1389			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B -AB	1698	- 303	V - T	1728	- 329
AB-AA	1696	- 303	T - R	1698	- 318
Y - X	1952	- 315	Q - P	306	- 434
X - W	1518	- 209	P - O	306	- 434
W - V	1728	- 329	O - M	638	- 949

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AA- E	94	- 462	H - W	883	- 236
AA- Y	1766	- 300	I - R	222	- 564
Y - F	419	- 71	R - Q	912	- 148
F - X	144	- 586	R - J	1148	- 300
X - G	430	- 83	Q - J	186	- 640
G - W	168	- 551	Q - K	1458	- 425
W - I	240	- 621	K - O	494	- 1564

Lumber

Top chord: 2x4 SP M-31; T4,T5,T6 2x4 SP #2;
Bot chord: 2x4 SP M-31; B1 2x6 SP 2400f-2.0E; B4, B5 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.500'
Rt Slider: 2x4 SP #3; block length = 1.511'

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

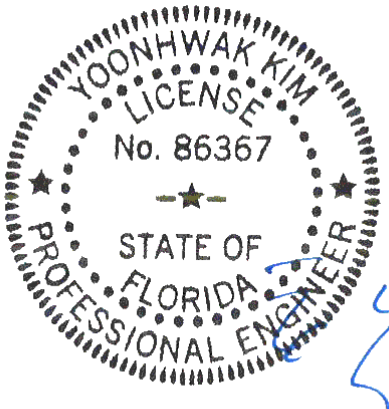
Wind loads based on MWFRS with additional C&C member design.

Right cantilever is exposed to wind

Additional Notes

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

The overall height of this truss excluding overhang is 11-7-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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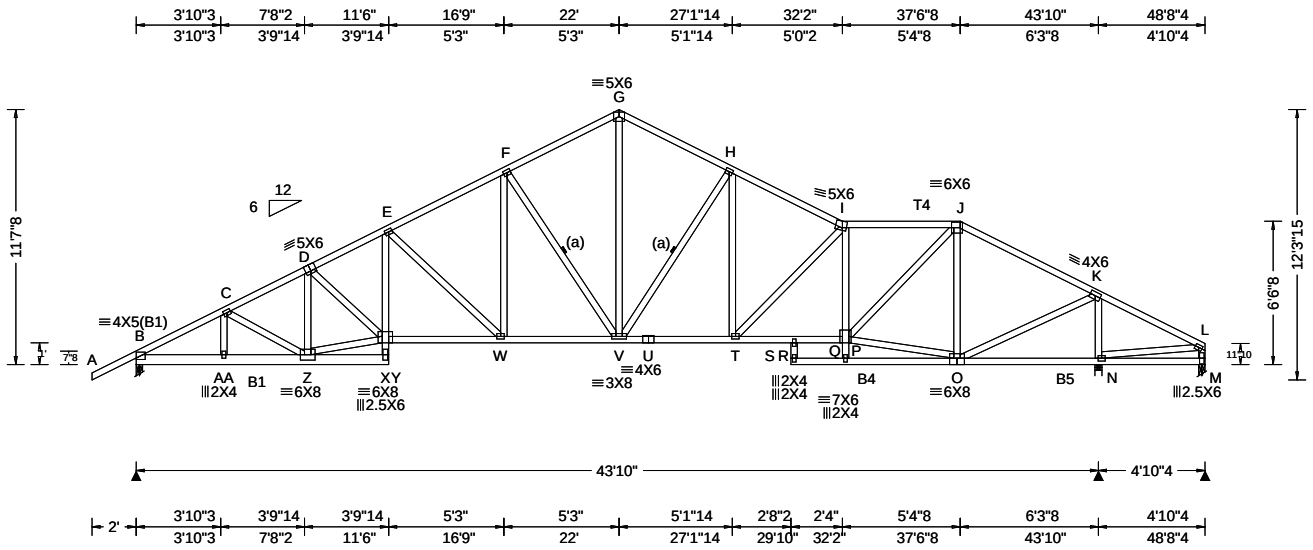
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 377151 SPEC FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** A07	Cust: R 215 JRef:1WZa2150004 T43 DrwNo: 281.20.1206.30360 / YK 10/07/2020	



Loading Criteria (psf)

TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 16.0 "

Wind Criteria

Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.87 ft
Loc. from endwall: not in 11.67 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)

Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.120	W	999	240
VERT(CL): 0.245	W	999	180
HORZ(LL): 0.049	O	-	-
HORZ(TL): 0.100	O	-	-

Creep Factor: 2.0
Max TC CSI: 0.270
Max BC CSI: 0.251
Max Web CSI: 0.668

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
B	1235	/-	/-	/770	/37	/222
N	2030	/-	/-	/1121	/44	/-
M	-	/-564	/-	/28	/308	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
N Brg Width = 4.0 Min Req = 2.0
M Brg Width = 3.5 Min Req = 1.5
Bearings B, N, & 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.
B - C	441	-1902	G - H	453	-1325
C - D	480	-1937	H - I	498	-1591
D - E	551	-2159	I - J	499	-1592
E - F	482	-1705	J - K	266	-833
F - G	439	-1327	K - L	1090	-282

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B -AA	1645	-345	U - T	1376	-264
AA- Z	1650	-347	T - R	1612	-370
X - W	1906	-375	R - P	1592	-364
W - V	1470	-266	O - N	236	-800
V - U	1376	-264			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
Z - D	101	-431	I - P	216	-650
Z - X	1753	-357	P - O	644	-119
X - E	436	-83	P - J	1282	-343
E - W	149	-590	O - J	213	-791
W - F	431	-79	O - K	1661	-400
F - V	187	-588	K - N	526	-1811
V - H	186	-426	N - L	282	-928
G - V	932	-304	L - M	580	-135

Lumber

Top chord: 2x4 SP M-31; T4 2x4 SP #2;
Bot chord: 2x4 SP M-31; B1 2x6 SP 2400f-2.0E; B4, B5 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.

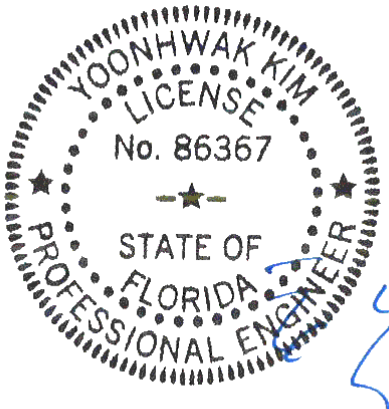
Additional Notes

Negative reaction(s) of -564# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

The overall height of this truss excluding overhang is 11-7-8.

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
10/07/2020

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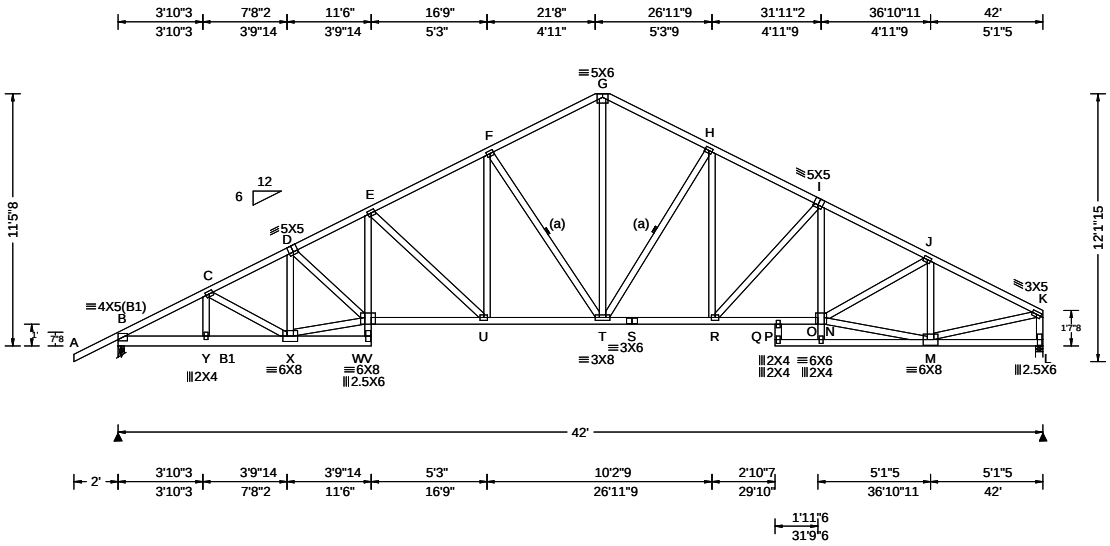
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377174 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** B01		Cust: R 215 JRef:1WZa2150004 T23 DrwNo: 281.20.1206.35967 / YK 10/07/2020	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 16.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.20 ft
Loc. from endwall: not in 11.67 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.115	U	999	240
VERT(CL): 0.248	U	999	180
HORZ(LL): 0.051	L	-	-
HORZ(TL): 0.111	L	-	-

Creep Factor: 2.0
Max TC CSI: 0.306
Max BC CSI: 0.295
Max Web CSI: 0.762

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
B	1361	/-	/-	/768	/173	/207
L	1180	/-	/-	/669	/181	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
L Brg Width = 4.0 Min Req = 1.5
Bearings B & L 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	389	-2130	G - H	391	-1426
C - D	424	-2208	H - I	420	-1704
D - E	490	-2427	I - J	457	-1999
E - F	422	-1861	J - K	362	-1610
F - G	380	-1430			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - Y	1846	-336	T - S	1475	-222
Y - X	1853	-338	S - R	1475	-222
V - U	2145	-358	R - P	1747	-302
U - T	1607	-249	P - N	1722	-296

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
X - D	117	-428	G - T	1026	-260
X - V	1999	-343	R - I	121	-399
V - E	583	-82	N - J	427	-49
E - U	148	-727	N - M	1401	-283
U - F	521	-79	J - M	146	-589
F - T	183	-667	M - K	1430	-284
T - H	158	-453	K - L	277	-1150

Lumber

Top chord: 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B1 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

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

TC: From	42 plf at	-2.00 to	42 plf at	42.00
BC: From	3 plf at	-2.00 to	3 plf at	0.00
BC: From	13 plf at	0.00 to	13 plf at	42.00

BC: 146 lb Conc. Load at 9.67

Plating Notes

All plates are 3X4 except as noted.

Wind

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

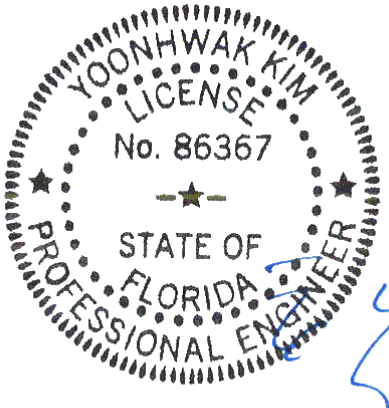
Right end vertical not exposed to wind pressure.

Additional Notes

The overall height of this truss excluding overhang is 11-5-8.

WIND LOAD CASE MODIFIED!

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
10/07/2020

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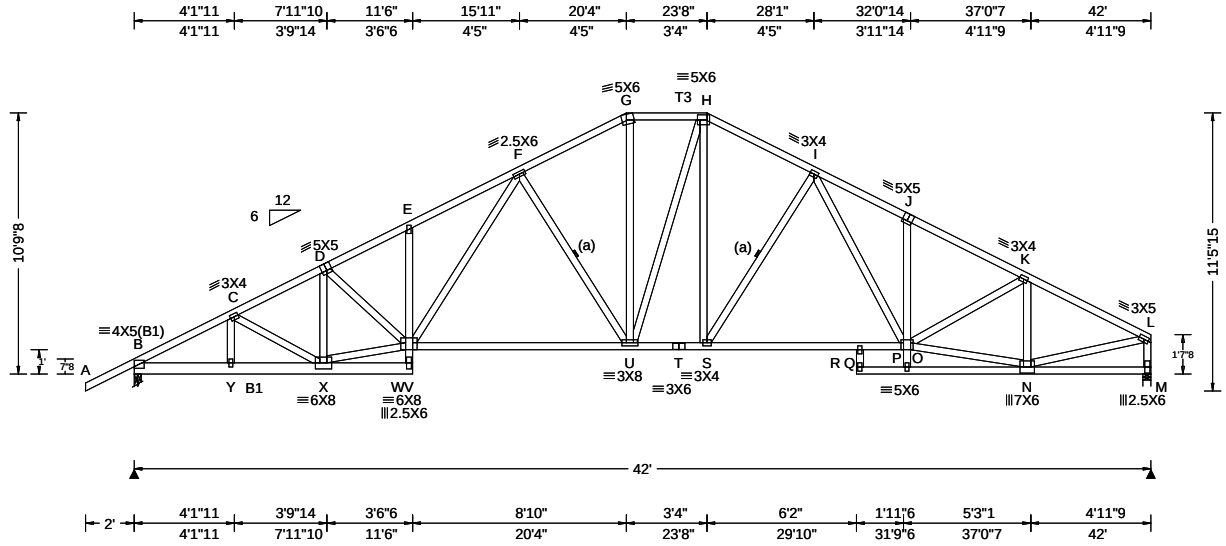
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377177 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** B02		Cust: R 215 JRef:1WZa2150004 T25 DrwNo: 281.20.1206.40460 / YK 10/07/2020	



Loading Criteria (psf)		**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**				
TCLL:	20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in	loc	L/defl	L/#	
TCDL:	10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL):	0.108	E	999	240
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL):	0.234	E	999	180
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL):	0.049	M	-	-
Des Ld:	40.00	EXP: C Kzt: NA		HORZ(TL):	0.106	M	-	-
NCBCLL:	10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0				
Soffit:	2.00	TCDL: 5.0 psf	FBC 2017 RES	Max TC CSI:	0.306			
Load Duration:	1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI:	0.295			
Spacing:	16.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Varies by Ld Case	Max Web CSI:	0.769			
		C&C Dist a: 4.20 ft	FT/RT:20(0)/10(0)					
		Loc. from endwall: not in 11.67 ft	Plate Type(s):	VIEW Ver: 20.01.00A.0415.10				
		GCpi: 0.18	WAVE					
		Wind Duration: 1.60						

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1361	/-	/-	/767	/173	/194
M	1180	/-	/-	/668	/181	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
M Brg Width = 4.0 Min Req = 1.5
Bearings B & 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.
B - C	424	-2130	G - H	417	-1350
C - D	464	-2209	H - I	438	-1512
D - E	539	-2432	I - J	531	-1987
E - F	582	-2441	J - K	490	-2001
F - G	437	-1547	K - L	390	-1610

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - Y	1846	-367	T - S	1312	-203
Y - X	1852	-369	S - Q	1537	-283
V - U	1686	-314	Q - O	1516	-273
U - T	1312	-203			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
X - D	115	-438	I - O	465	-117
X - V	2019	-378	O - K	424	-45
V - F	867	-163	O - N	1406	-304
F - U	188	-637	K - N	154	-594
G - U	518	-132	N - L	1430	-310
H - S	388	-115	L - M	295	-1150
S - I	155	-428			

Lumber

Top chord: 2x4 SP M-31; T3 2x4 SP #2;
Bot chord: 2x4 SP M-31; B1 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

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).

Special Loads

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

TC: From	42 plf at	-2.00 to	42 plf at	42.00
BC: From	3 plf at	-2.00 to	3 plf at	0.00
BC: From	13 plf at	0.00 to	13 plf at	42.00
BC:	146 lb Conc. Load at	9.67		

Plating Notes

All plates are 2X4 except as noted.

Purlins

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

Wind

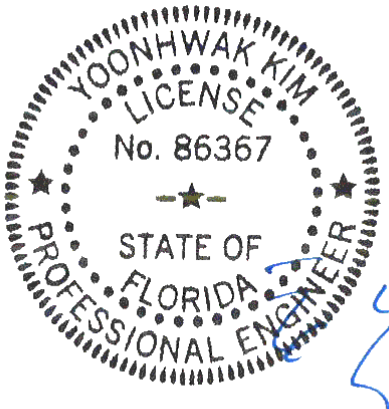
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Additional Notes

The overall height of this truss excluding overhang is 10-9-8.

WIND LOAD CASE MODIFIED!



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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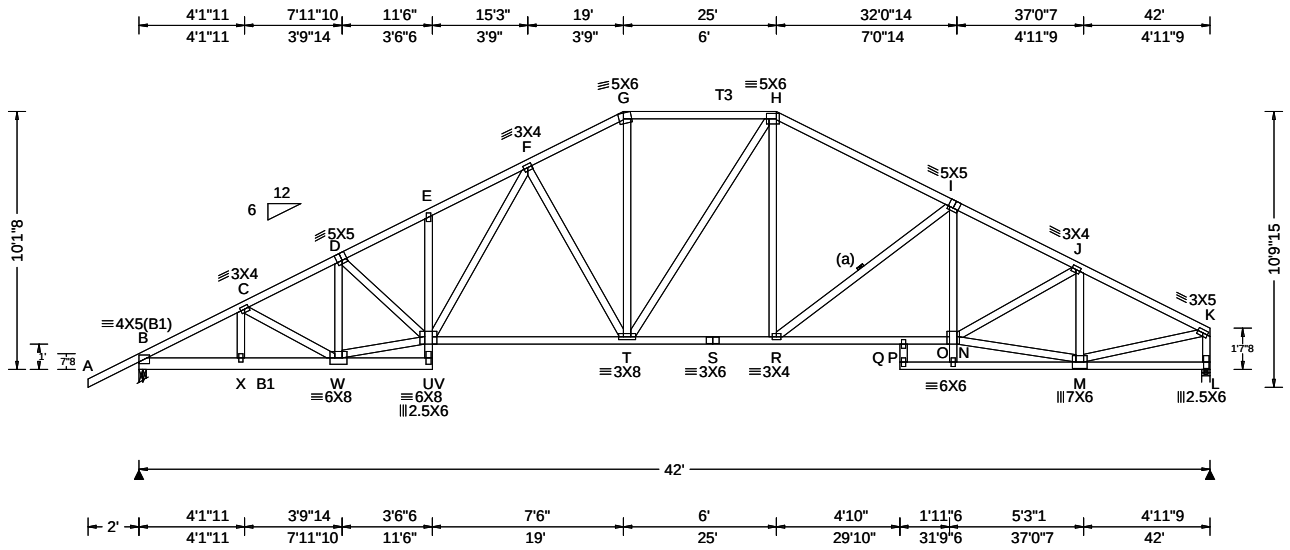
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377180 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** B03		Cust: R 215 JRef:1WZa2150004 T26 DrwNo: 281.20.1206.44683 / YK 10/07/2020	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.107 F 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.233 F 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.050 L - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.108 L - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.369
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.295
Spacing: 16.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Varies by Ld Case	Max Web CSI: 0.767
	C&C Dist a: 4.20 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 11.67 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 20.01.00A.0415.10
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1361	/-	/-	/767	/173	/182
L	1180	/-	/-	/668	/181	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
L Brg Width = 4.0 Min Req = 1.5
Bearings B & L 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	438	- 2130	G - H	444	- 1447
C - D	480	- 2209	H - I	452	- 1617
D - E	558	- 2429	I - J	506	- 2001
E - F	597	- 2433	J - K	396	- 1608
F - G	467	- 1641			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - X	1846	- 379	S - R	1389	- 241
X - W	1852	- 381	R - P	1754	- 356
U - T	1740	- 340	P - N	1726	- 347
T - S	1389	- 241			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
W - D	117	- 437	N - J	440	- 65
W - U	2013	- 394	N - M	1395	- 310
U - F	825	- 160	J - M	157	- 584
F - T	176	- 603	M - K	1427	- 315
G - T	518	- 120	K - L	300	- 1151
R - I	147	- 464			

Lumber

Top chord: 2x4 SP M-31; T3 2x4 SP #2;
Bot chord: 2x4 SP M-31; B1 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

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).

Special Loads

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

TC: From	42 plf at	-2.00 to	42 plf at	42.00
BC: From	3 plf at	-2.00 to	3 plf at	0.00
BC: From	13 plf at	0.00 to	13 plf at	42.00

BC: 146 lb Conc. Load at 9.67

Plating Notes

All plates are 2X4 except as noted.

Purlins

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

Wind

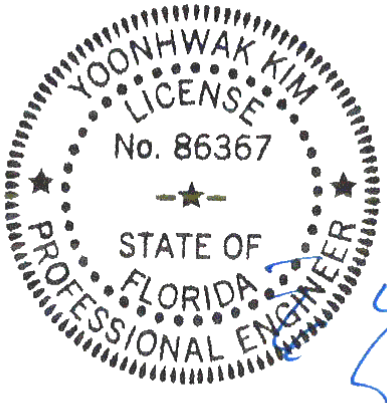
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Additional Notes

The overall height of this truss excluding overhang is 10-1-8.

WIND LOAD CASE MODIFIED!



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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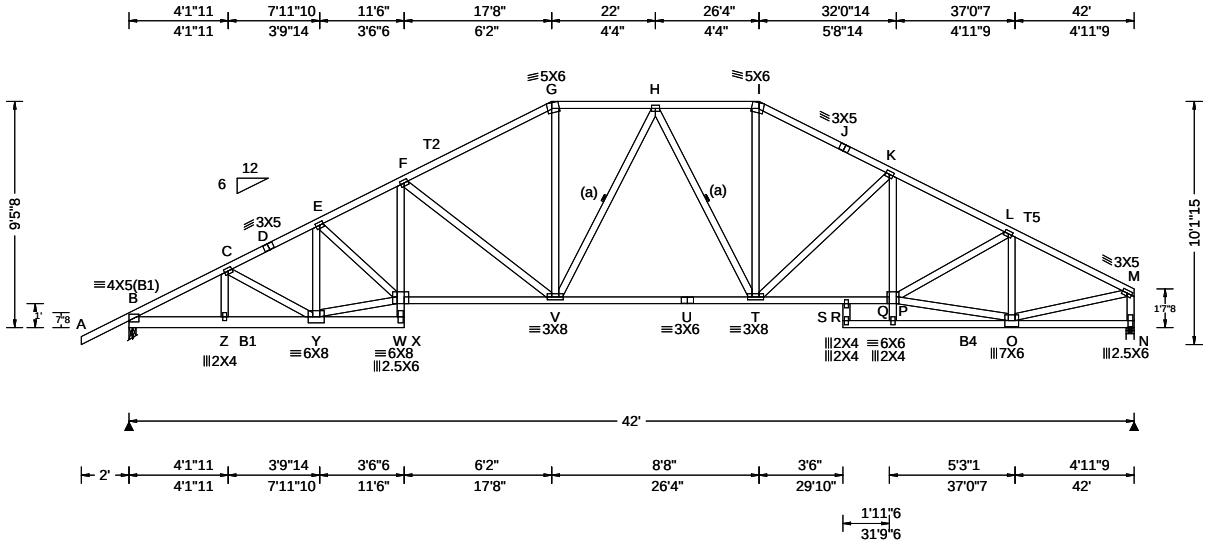
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377186 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** B04	Cust: R 215 JRef:1WZa2150004 T22 DrwNo: 281.20.1206.48467 / YK 10/07/2020	



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 16.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.20 ft
Loc. from endwall: not in 11.67 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.122	V	999	240
VERT(CL): 0.264	V	999	180
HORZ(LL): 0.061	N	-	-
HORZ(TL): 0.132	N	-	-

Creep Factor: 2.0
Max TC CSI: 0.677
Max BC CSI: 0.727
Max Web CSI: 0.982

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1361	/-	/-	/765	/173	/170
N	1180	/-	/-	/666	/181	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
N Brg Width = 4.0 Min Req = 1.5
Bearings B & N 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	445	- 2116	H - I	443	- 1458
C - D	483	- 2209	I - J	469	- 1637
D - E	490	- 2177	J - K	457	- 1673
E - F	576	- 2431	K - L	514	- 1993
F - G	480	- 1781	L - M	402	- 1610
G - H	466	- 1550			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - Z	1838	- 387	U - T	1543	- 293
Z - Y	1845	- 389	T - R	1744	- 366
W - V	2151	- 440	R - P	1710	- 358
V - U	1543	- 293			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
Y - E	116	- 425	T - K	140	- 408
Y - W	2001	- 402	P - L	425	- 67
W - F	566	- 76	P - O	1392	- 316
F - V	195	- 776	L - O	161	- 578
G - V	535	- 112	O - M	1430	- 320
T - I	512	- 121	M - N	304	- 1152

Lumber
Top chord: 2x4 SP #2; T2,T5 2x4 SP M-31;
Bot chord: 2x4 SP #2; B1 2x6 SP 2400f-2.0E;
B4 2x4 SP M-31;
Webs: 2x4 SP #3;

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

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

TC: From	42 plf at	-2.00 to	42 plf at	42.00
BC: From	3 plf at	-2.00 to	3 plf at	0.00
BC: From	13 plf at	0.00 to	13 plf at	42.00
BC:	146 lb Conc. Load at	9.67		

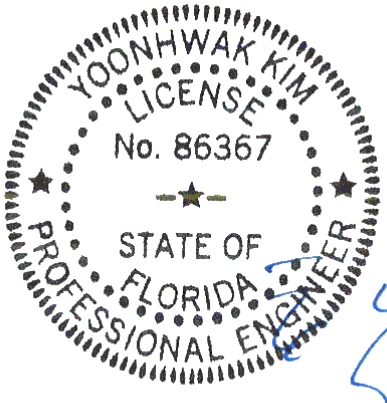
Plating Notes
All plates are 3X4 except as noted.

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 9-5-8.
WIND LOAD CASE MODIFIED!

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
10/07/2020

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ALPINE
AN ITW COMPANY
6750 Forum Drive
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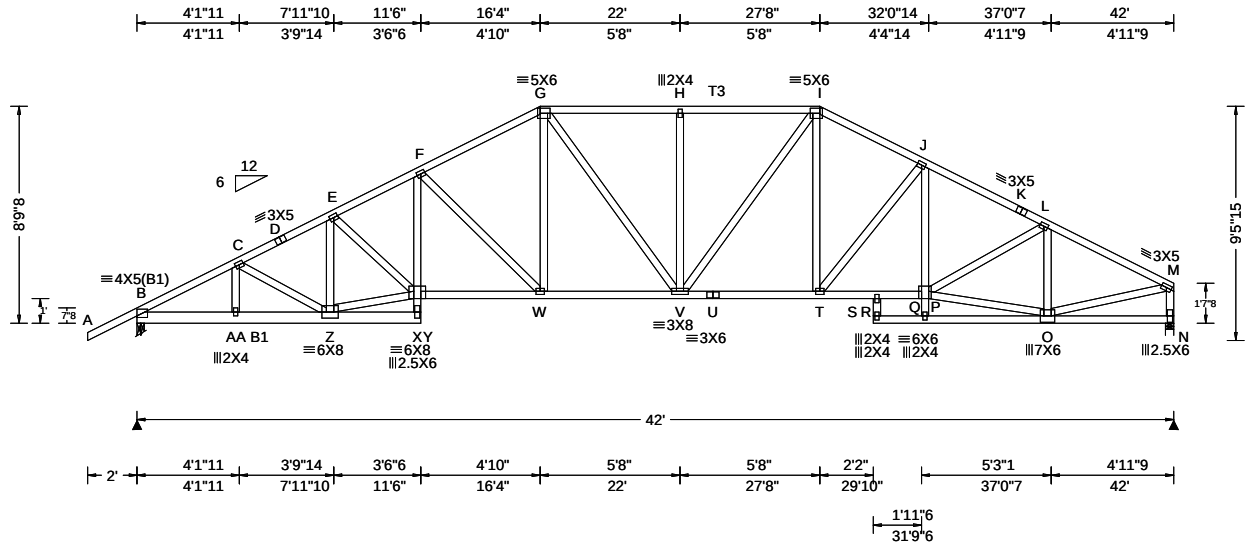
Orlando FL, 32821

SEQN: 377189 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** B05	Cust: R 215 JRef:1WZa2150004 T10 DrwNo: 281.20.1206.52510 / YK 10/07/2020



Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL:	20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL:	10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.111 W 999 240
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.240 W 999 180
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.051 N - -
Des Ld:	40.00	EXP: C Kzt: NA		HORZ(TL): 0.110 N - -
NCBCLL:	10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit:	2.00	TCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.333
Load Duration:	1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.295
Spacing:	16.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Varies by Ld Case	Max Web CSI: 0.762
		C&C Dist a: 4.20 ft	FT/RT:20(0)/10(0)	
		Loc. from endwall: not in 11.67 ft	Plate Type(s):	
		GCpi: 0.18	WAVE	VIEW Ver: 20.01.00A.0415.10
		Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1361	/-	/-	/762	/173	/158
N	1180	/-	/-	/663	/181	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
N Brg Width = 4.0 Min Req = 1.5
Bearings B & N 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	457	- 2130	H - I	503	- 1703
C - D	494	- 2209	I - J	490	- 1730
D - E	501	- 2177	J - K	522	- 1979
E - F	587	- 2426	K - L	508	- 1998
F - G	510	- 1882	L - M	408	- 1610
G - H	503	- 1703			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B -AA	1847	- 397	V - U	1514	- 294
AA- Z	1853	- 399	U - T	1514	- 294
X - W	2141	- 447	T - R	1744	- 374
W - V	1645	- 322	R - P	1720	- 368

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
Z - E	118	- 429	P - L	422	- 67
Z - X	2000	- 413	P - O	1402	- 324
X - F	587	- 87	L - O	166	- 590
F - W	179	- 709	O - M	1431	- 326
G - W	522	- 103	M - N	307	- 1150
T - J	131	- 375			

Lumber

Top chord: 2x4 SP M-31; T3 2x4 SP #2;
Bot chord: 2x4 SP M-31; B1 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3;

Special Loads

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

TC: From	42 plf at	-2.00 to	42 plf at	42.00
BC: From	3 plf at	-2.00 to	3 plf at	0.00
BC: From	13 plf at	0.00 to	13 plf at	42.00

BC: 146 lb Conc. Load at 9.67

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.

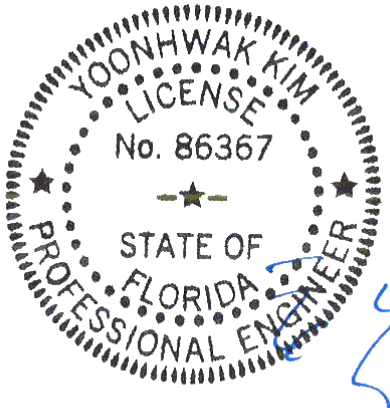
Right end vertical not exposed to wind pressure.

Additional Notes

The overall height of this truss excluding overhang is 8-9-8.

WIND LOAD CASE MODIFIED!

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
10/07/2020

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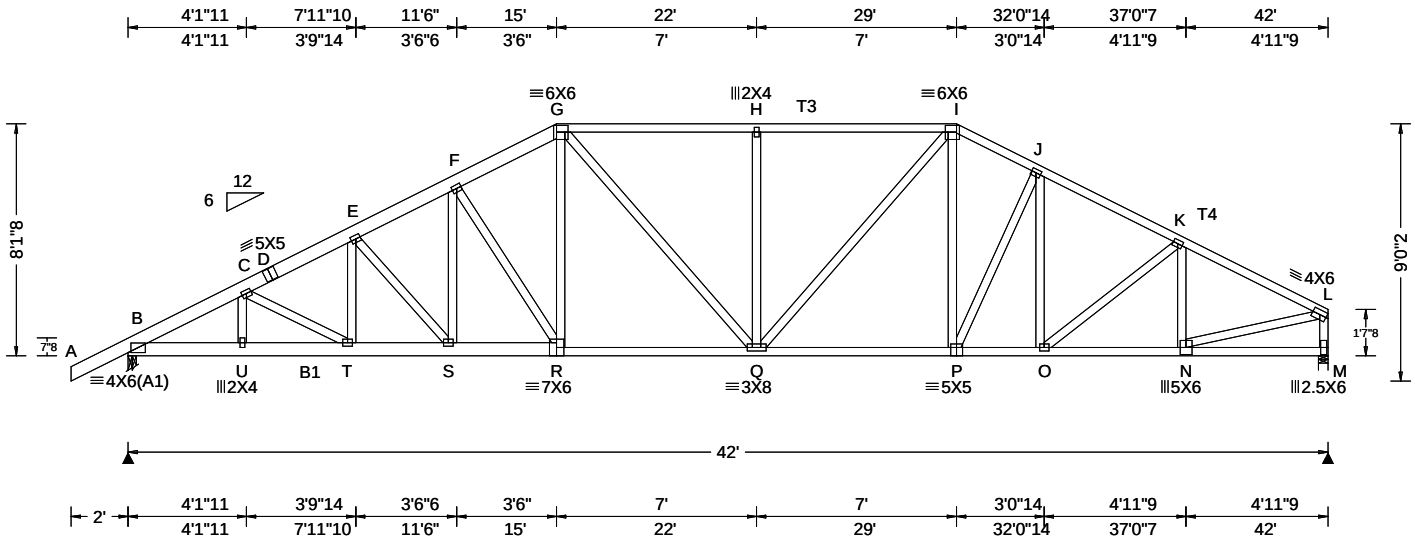
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377201 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** B06		Cust: R 215 JRef:1WZa2150004 T6 DrwNo: 281.20.1207.45260 / YK 10/07/2020	



Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL:	20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL:	10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.111 H 999 240
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.236 H 999 180
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.040 M - -
Des Ld:	40.00	EXP: C Kzt: NA		HORZ(TL): 0.085 M - -
NCBCLL:	10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit:	2.00	TCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.303
Load Duration:	1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.323
Spacing:	24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Varies by Ld Case	Max Web CSI: 0.803
		C&C Dist a: 4.20 ft	FT/RT:20(0)/10(0)	
		Loc. from endwall: not in 13.00 ft	Plate Type(s):	
		GCpi: 0.18	WAVE	VIEW Ver: 20.01.00A.0415.10
		Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1986	/-	/-	/1138	/288	/218
M	1753	/-	/-	/989	/280	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.6
M Brg Width = 4.0 Min Req = 1.5
Bearings B & 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.
B - C	744	-3261	G - H	741	-2422
C - D	769	-3250	H - I	741	-2420
D - E	784	-3224	I - J	695	-2319
E - F	775	-2962	J - K	689	-2462
F - G	743	-2581	K - L	614	-2368

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - U	2825	-643	R - Q	2272	-474
U - T	2828	-644	Q - P	2049	-422
T - S	2869	-637	P - O	2131	-472
S - R	2582	-569	O - N	2089	-496

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
E - S	105	-428	Q - I	556	-144
S - F	489	-71	K - N	148	-434
F - R	180	-594	N - L	2108	-492
G - R	611	-136	L - M	465	-1708
H - Q	186	-446			

Lumber

Top chord: 2x6 SP 2400f-2.0E; T3,T4 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B1 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3;

Special Loads

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

TC: From	62 plf at	-2.00 to	62 plf at	42.00	
BC: From	4 plf at	-2.00 to	4 plf at	0.00	
BC: From	20 plf at	0.00 to	20 plf at	42.00	
BC:	146 lb Conc. Load at	9.67			

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

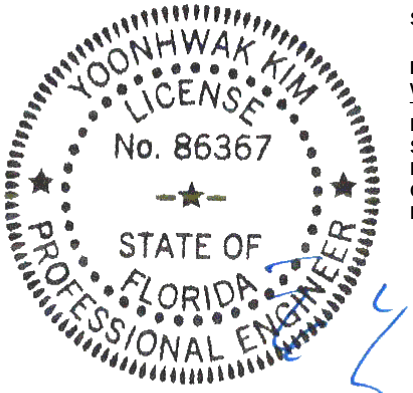
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Additional Notes

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

WIND LOAD CASE MODIFIED!



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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ALPINE
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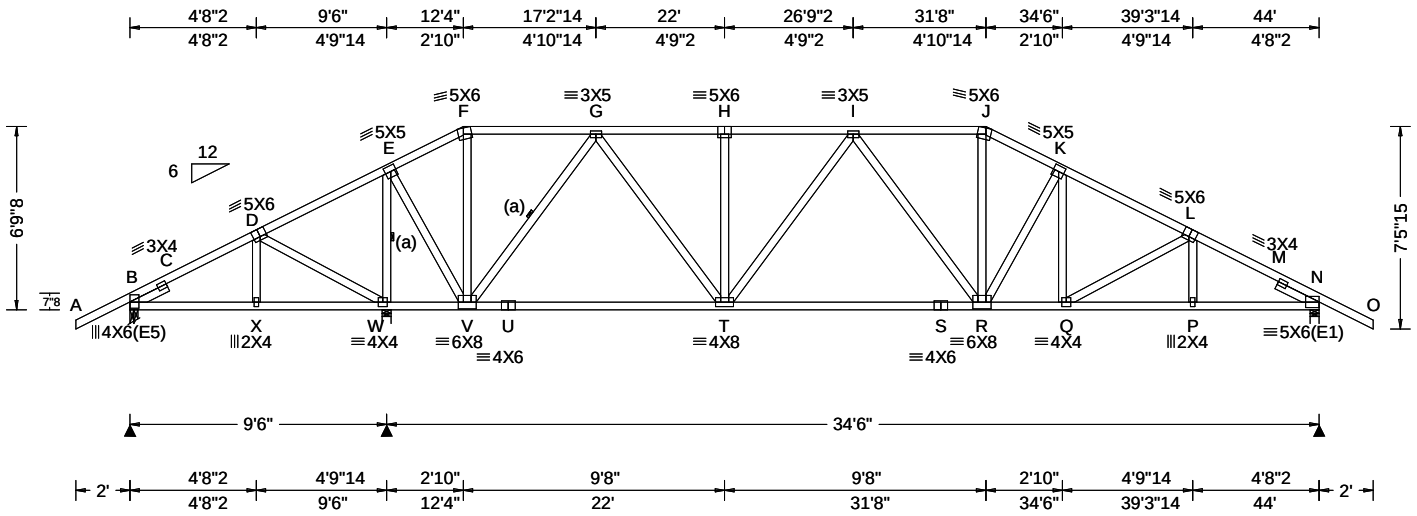
SEQN: 377204 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** B07		Cust: R 215 JRef:1WZa2150004 T1 DrwNo: 281.20.1207.48217 / YK 10/07/2020	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 4.40 ft
Loc. from endwall: not in 6.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.086	I	999	240
VERT(CL): 0.176	I	999	180
HORZ(LL): 0.022	P	-	-
HORZ(TL): 0.045	P	-	-

Creep Factor: 2.0
Max TC CSI: 0.478
Max BC CSI: 0.435
Max Web CSI: 0.604

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
B	275	/-158	/-	/149	/61	/222
W	2356	/-	/-	/1302	/429	/-
N	1452	/-	/-	/922	/266	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
W Brg Width = 4.0 Min Req = 1.6
N Brg Width = 4.0 Min Req = 1.5
Bearings B, W, & N 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	596	- 240	I - J	527	- 1550
C - D	631	- 147	J - K	561	- 1762
D - E	966	- 186	K - L	575	- 2005
G - H	474	- 1416	L - M	583	- 2273
H - I	474	- 1416	M - N	630	- 2315

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - X	227	- 536	T - S	1600	- 298
X - W	226	- 537	S - R	1600	- 298
W - V	301	- 714	R - Q	1724	- 364
V - U	877	- 105	Q - P	1975	- 441
U - T	877	- 105	P - N	1979	- 441

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - W	134	- 458	G - T	920	- 208
W - E	529	- 2063	R - J	550	- 154
E - V	1585	- 367	R - K	176	- 377
V - G	383	- 1326			

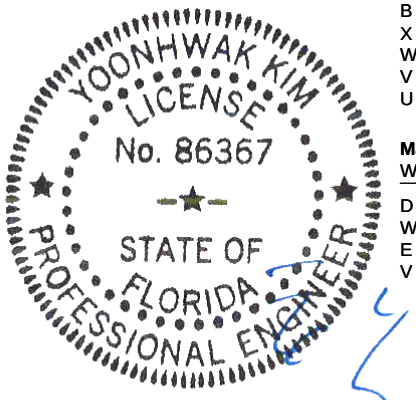
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.500'
Rt Slider: 2x4 SP #3; block length = 1.686'

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 6-9-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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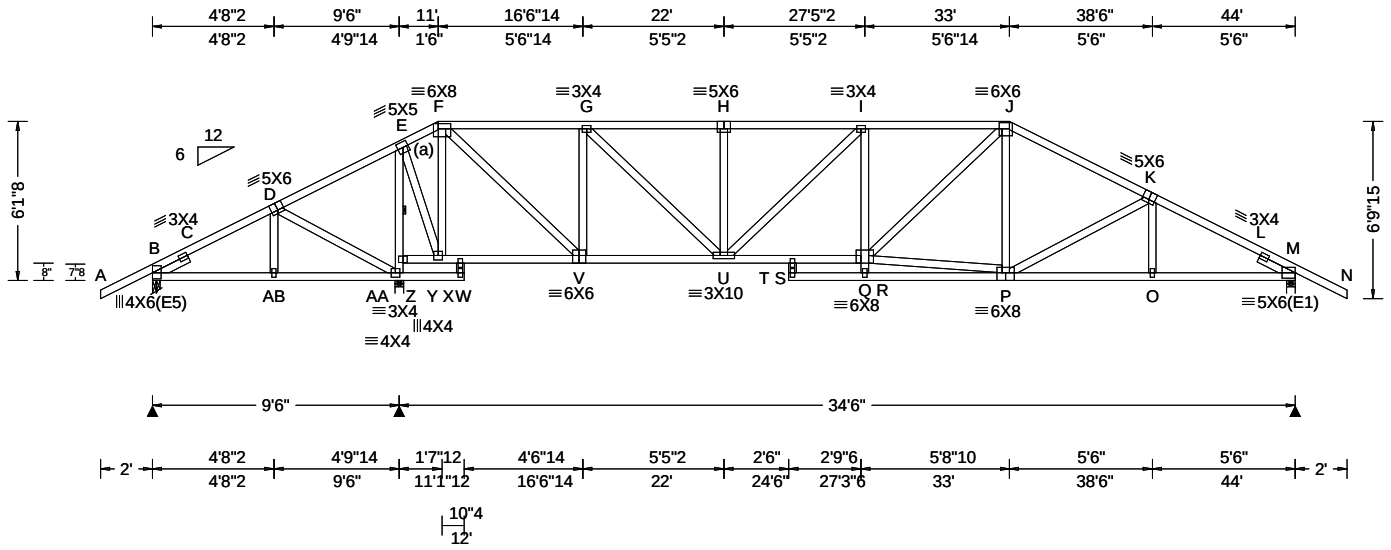
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 377209 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** B08	Cust: R 215 JRef:1WZa2150004 T2 DrwNo: 281.20.1207.56230 / YK 10/07/2020	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00
Load Duration:	1.25
Spacing:	24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 4.40 ft
Loc. from endwall: not in 6.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.138	I	999	240
VERT(CL): 0.281	I	999	180
HORZ(LL): 0.023	O	-	-
HORZ(TL): 0.047	O	-	-

Creep Factor: 2.0
Max TC CSI: 0.448
Max BC CSI: 0.660
Max Web CSI: 0.857

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	393	/-	/-	/202	/95	/203
AA	2099	/-	/-	/1204	/335	/-
M	1503	/-	/-	/948	/288	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
AA Brg Width = 4.0 Min Req = 2.1
M Brg Width = 4.0 Min Req = 1.8
Bearings B, AA, & 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.
D - E	533	- 72	I - J	719	- 2248
F - G	483	- 1257	J - K	620	- 2018
G - H	655	- 1969	K - L	659	- 2376
H - I	655	- 1969	L - M	680	- 2413

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
V - U	1313	- 274	P - O	2059	- 504
U - S	2259	- 496	O - M	2062	- 504
S - Q	2193	- 479			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D -AA	131	- 410	V - G	306	- 1017
AA- Z	419	- 1780	G - U	929	- 217
Z - E	405	- 1765	U - I	94	- 548
E - Y	1396	- 283	Q - P	1630	- 350
F - Y	294	- 1311	Q - J	684	- 183
F - V	1647	- 417	P - K	147	- 389

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.500'
Rt Slider: 2x4 SP #3; block length = 1.500'

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

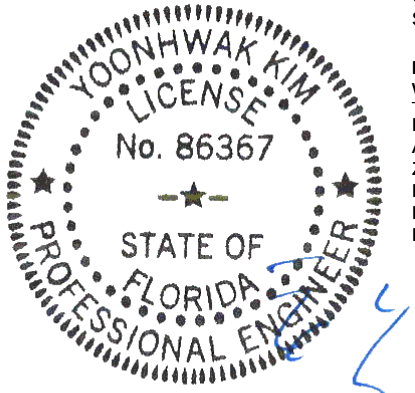
Plating Notes
All plates are 2X4 except as noted.

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 6-1-8.

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
10/07/2020

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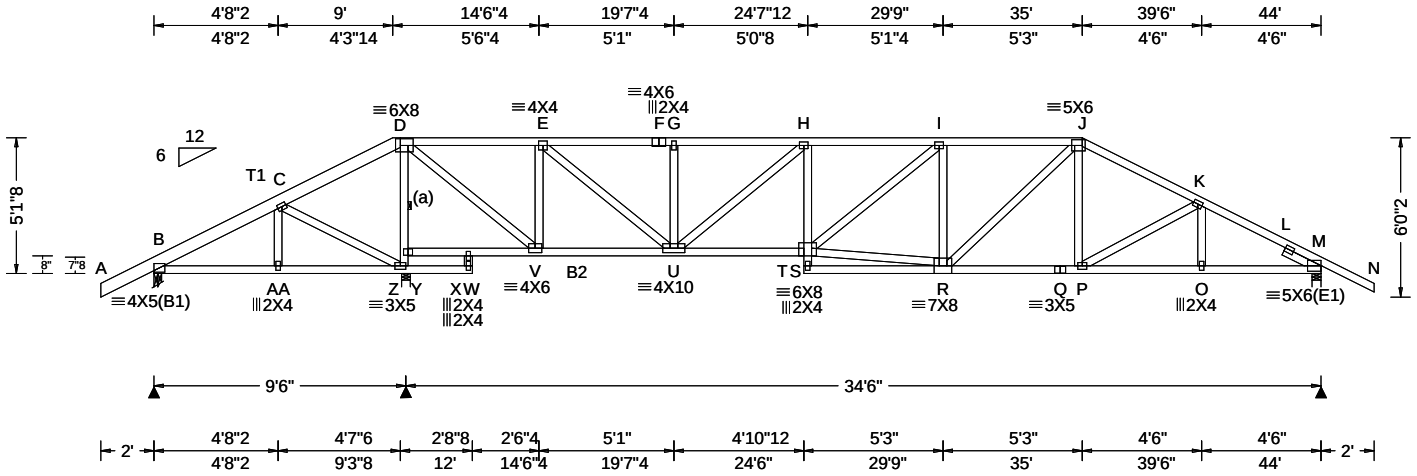
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 377217 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** B09	Cust: R 215 JRef:1WZa2150004 T44 DrwNo: 281.20.1208.01583 / YK 10/07/2020	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 4.40 ft
Loc. from endwall: not in 6.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.149	S	999	240
VERT(CL): 0.301	S	999	180
HORZ(LL): -0.024	V	-	-
HORZ(TL): 0.049	V	-	-

Creep Factor: 2.0
Max TC CSI: 0.173
Max BC CSI: 0.568
Max Web CSI: 0.969

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	426	/-	/-	/237	/99	/176
Z	2062	/-	/-	/1143	/326	/-
M	1502	/-	/-	/926	/289	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
Z Brg Width = 4.0 Min Req = 2.1
M Brg Width = 4.0 Min Req = 1.8
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.
C - D	495	- 50	H - I	829	- 2718
D - E	430	- 1035	I - J	727	- 2309
E - F	686	- 2135	J - K	647	- 2143
F - G	686	- 2135	K - L	668	- 2362
G - H	686	- 2135	L - M	672	- 2399

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
X - V	142	- 429	Q - P	1864	- 422
V - U	1118	- 245	P - O	2049	- 519
U - S	2730	- 636	O - M	2052	- 518
R - Q	1864	- 422			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - Z	160	- 444	U - H	194	- 783
D - Y	414	- 1704	S - I	500	- 124
D - V	1877	- 470	S - R	2239	- 515
Z - Y	404	- 1673	I - R	220	- 650
V - E	342	- 1186	R - J	604	- 187
E - U	1351	- 318			

Lumber

Top chord: 2x4 SP M-31; T1 2x6 SP 2400f-2.0E;
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;
Webs: 2x4 SP #3;
Rt Slider: 2x4 SP #3; block length = 1.500'

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.

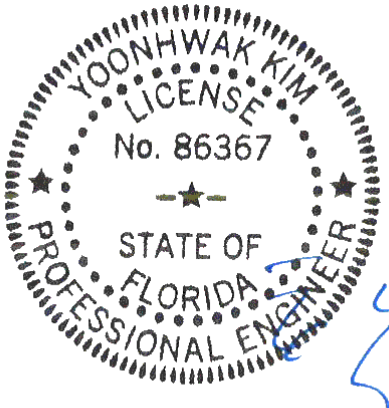
Wind

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

Additional Notes

The overall height of this truss excluding overhang is 5-1-8.

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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10/07/2020

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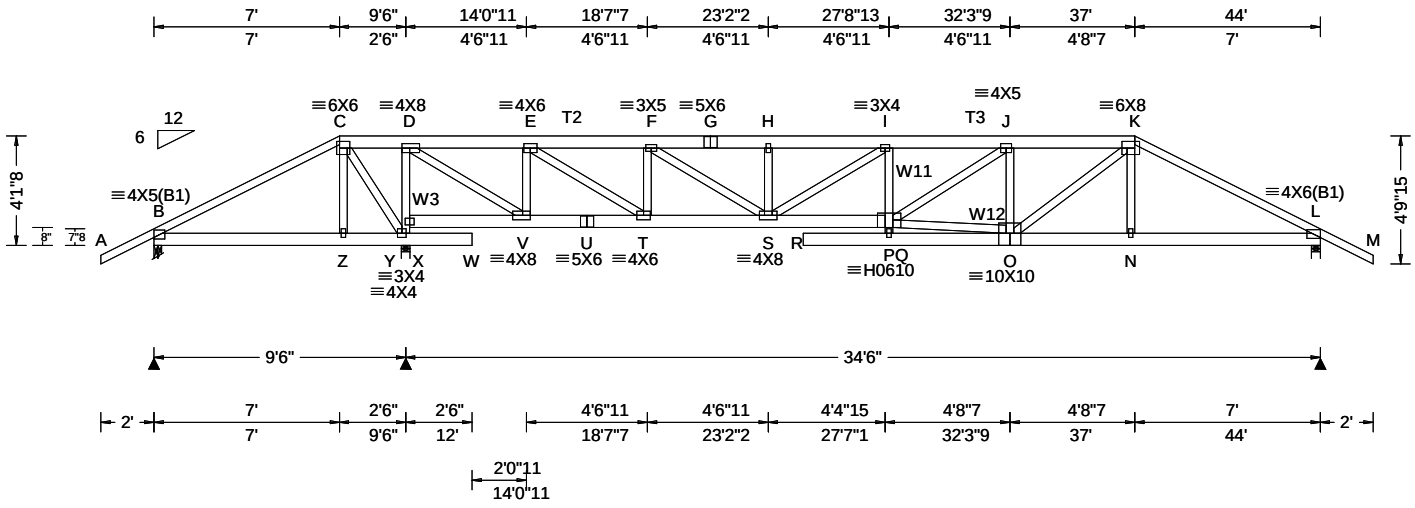
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377226 HIPS FROM: CDM	Ply: 2 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** B10	Cust: R 215 JRef:1WZa2150004 T12 DrwNo: 281.20.1208.14940 / YK 10/07/2020	

2 Complete Trusses Required



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.40 ft
Loc. from endwall: not in 6.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.265	R	999	240
VERT(CL): 0.551	R	751	180
HORZ(LL): 0.043	N	-	-
HORZ(TL): 0.091	N	-	-

Creep Factor: 2.0
Max TC CSI: 0.684
Max BC CSI: 0.410
Max Web CSI: 0.969

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	-	/-	/-	/-	/-	/-
Y	5423	/-	/-	/-	/1015	/-
L	3216	/-	/-	/-	/631	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.9
Y Brg Width = 4.0 Min Req = 1.5
L Brg Width = 4.0 Min Req = 1.8
Bearings B, Y, & L 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	481	- 126	G - H	691	- 4438
C - D	813	- 198	H - I	691	- 4438
D - E	142	- 1704	I - J	816	- 4830
E - F	453	- 3415	J - K	646	- 3538
F - G	691	- 4438	K - L	551	- 2868

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - Z	100	- 395	T - S	3505	- 474
Z - Y	98	- 383	S - P	4868	- 824
X - V	192	- 767	O - N	2521	- 474
V - U	1835	- 167	N - L	2514	- 475
U - T	1835	- 167			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - Y	186	- 799	F - S	1191	- 263
Y - X	386	- 1971	S - I	161	- 580
X - D	361	- 1866	P - J	1495	- 193
D - V	2544	- 408	P - O	3332	- 612
V - E	260	- 1369	J - O	229	- 1169
E - T	2006	- 349	O - K	1293	- 219
T - F	216	- 965			

Lumber

Top chord: 2x4 SP #2; T2,T3 2x6 SP 2400f-2.0E;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W3 2x4 SP M-31; W11, W12 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.

Special Loads

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

TC: From	62 plf at	-2.00 to	62 plf at	7.00	
TC: From	31 plf at	7.00 to	31 plf at	37.00	
TC: From	62 plf at	37.00 to	62 plf at	46.00	
BC: From	4 plf at	-2.00 to	4 plf at	0.00	
BC: From	20 plf at	0.00 to	20 plf at	7.03	
BC: From	10 plf at	7.03 to	10 plf at	36.97	
BC: From	20 plf at	36.97 to	20 plf at	44.00	
BC: From	4 plf at	44.00 to	4 plf at	46.00	

TC: 280 lb Conc. Load at 7.03,36.97
TC: 189 lb Conc. Load at 9.06,11.06,24.94,26.94 28.94,30.94,32.94,34.94
TC: 186 lb Conc. Load at 13.06,15.06,17.06,19.06 21.06,22.94
BC: 450 lb Conc. Load at 7.03,36.97
BC: 130 lb Conc. Load at 9.06,11.06,24.94,26.94 28.94,30.94,32.94,34.94
BC: 129 lb Conc. Load at 13.06,15.06,17.06,19.06 21.06,22.94

Plating Notes

All plates are 2X4 except as noted.

Purlins

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

Wind

Wind loads and reactions based on MWFRS.

Additional Notes

The overall height of this truss excluding overhang is 4-1-8.

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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
10/07/2020

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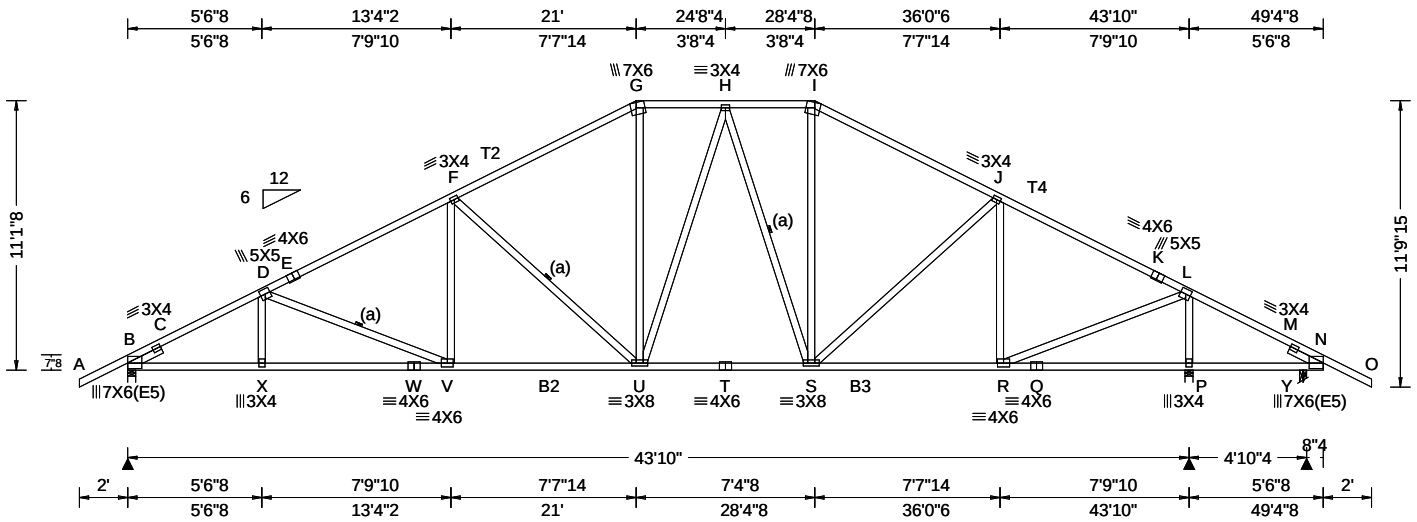
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377231 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** C01		Cust: R 215 JRef:1WZa2150004 T32 DrwNo: 281.20.1208.22093 / YK 10/07/2020	



Loading Criteria (psf)

TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria

Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.94 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)

Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.140	V	999	240
VERT(CL): 0.285	V	999	180
HORZ(LL): 0.051	R	-	-
HORZ(TL): 0.106	R	-	-

Creep Factor: 2.0
Max TC CSI: 0.729
Max BC CSI: 0.801
Max Web CSI: 0.787

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1911	/-	/-	/1205	/57	/346
P	2363	/-	/-	/1379	/50	/-
Y	175	/-69	/-	/117	/43	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 2.3
P Brg Width = 4.0 Min Req = 2.4
Y Brg Width = 3.5 Min Req = 1.5
Bearings B, P, & Y 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	804	- 3263	H - I	597	- 1616
C - D	733	- 3226	I - J	598	- 1917
D - E	670	- 2778	J - K	487	- 1794
E - F	703	- 2744	K - L	454	- 1827
F - G	643	- 2102	L - M	633	- 314
G - H	614	- 1782	M - N	986	- 539

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - X	2819	- 531	T - S	1720	- 233
X - W	2815	- 532	S - R	1564	- 257
W - V	2815	- 532	R - Q	401	- 423
V - U	2385	- 406	Q - P	401	- 423
U - T	1720	- 233	P - N	838	- 963

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - V	137	- 455	S - I	467	- 101
V - F	463	- 26	J - R	236	- 632
F - U	268	- 825	R - L	2066	- 550
G - U	533	- 136	L - P	651	- 2208

Lumber

Top chord: 2x4 SP #2; T2,T4 2x4 SP M-31;
Bot chord: 2x4 SP #2; B2,B3 2x4 SP M-31;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.511'
Rt Slider: 2x4 SP #3; block length = 1.511'

Bracing

(a) Continuous lateral restraint equally spaced on member.

Purlins

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

Wind

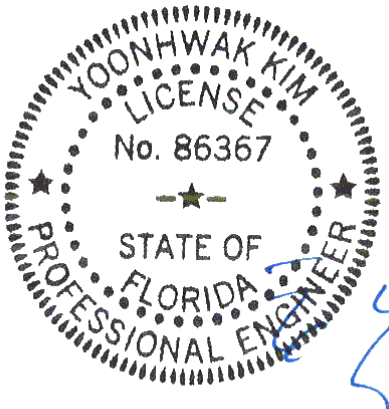
Wind loads based on MWFRS with additional C&C member design.

Right cantilever is exposed to wind

Additional Notes

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

The overall height of this truss excluding overhang is 11-1-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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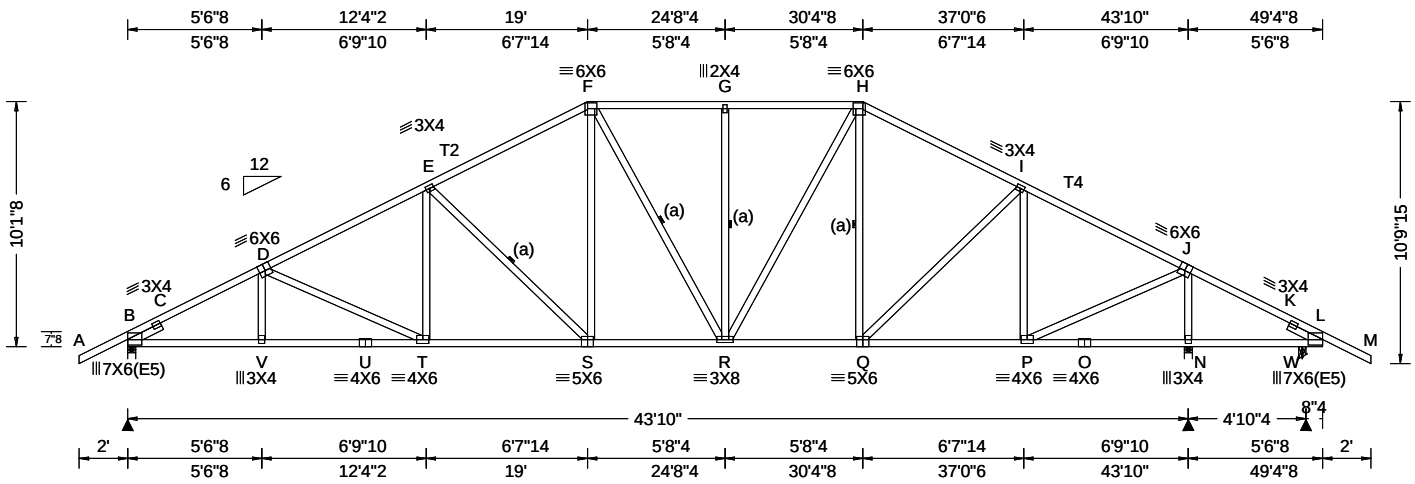
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377234 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** C02		Cust: R 215 JRef:1WZa2150004 T28 DrwNo: 281.20.1208.25483 / YK 10/07/2020	



Loading Criteria (psf)

TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria

Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.94 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)

Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.145	T	999	240
VERT(CL): 0.297	T	999	180
HORZ(LL): 0.061	P	-	-
HORZ(TL): 0.126	P	-	-

Creep Factor: 2.0
Max TC CSI: 0.667
Max BC CSI: 0.848
Max Web CSI: 0.778

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
B	1909	/-	/-	/1199	/64	/318
N	2392	/-	/-	/1379	/53	/-
W	162	/-94	/-	/112	/50	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 2.3
N Brg Width = 4.0 Min Req = 2.4
W Brg Width = 3.5 Min Req = 1.5
Bearings B, N, & W 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	816	- 3245	G - H	651	- 1912
C - D	741	- 3208	H - I	603	- 1923
D - E	722	- 2820	I - J	468	- 1695
E - F	677	- 2256	J - K	689	- 327
F - G	651	- 1912	K - L	1003	- 529

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - V	2800	- 537	R - Q	1631	- 244
V - U	2796	- 538	Q - P	1461	- 250
U - T	2796	- 538	P - O	413	- 474
T - S	2433	- 431	O - N	413	- 474
S - R	1929	- 288	N - L	862	- 1067

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - T	117	- 392	R - H	573	- 184
T - E	411	- 28	I - P	260	- 747
E - S	241	- 710	P - J	2043	- 553
F - S	626	- 150	J - N	663	- 2239

Lumber

Top chord: 2x4 SP #2; T2,T4 2x4 SP M-31;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.511'
Rt Slider: 2x4 SP #3; block length = 1.511'

Bracing

(a) Continuous lateral restraint equally spaced on member.

Purlins

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

Wind

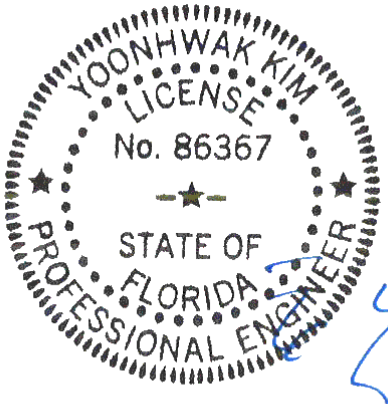
Wind loads based on MWFRS with additional C&C member design.

Right cantilever is exposed to wind

Additional Notes

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

The overall height of this truss excluding overhang is 10-1-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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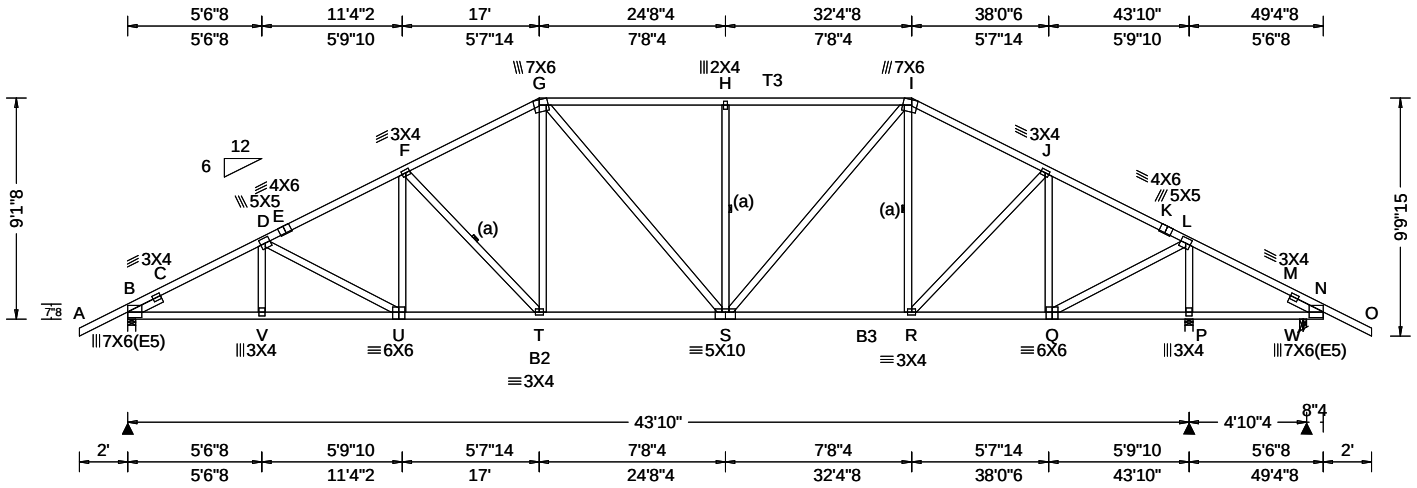
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377237 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** C03	Cust: R 215 JRef:1WZa2150004 T30 DrwNo: 281.20.1208.29220 / YK 10/07/2020	



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.94 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.146	T	999	240
VERT(CL): 0.299	T	999	180
HORZ(LL): 0.051	Q	-	-
HORZ(TL): 0.106	Q	-	-

Creep Factor: 2.0
Max TC CSI: 0.624
Max BC CSI: 0.733
Max Web CSI: 0.758

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1907	/-	/-	/1191	/70	/290
P	2410	/-	/-	/1376	/58	/-
W	156	/-111	/-	/107	/51	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 2.3
P Brg Width = 4.0 Min Req = 2.5
W Brg Width = 3.5 Min Req = 1.5
Bearings B, P, & W 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	830	- 3235	H - I	700	- 2151
C - D	759	- 3197	I - J	595	- 1900
D - E	722	- 2862	J - K	436	- 1512
E - F	747	- 2838	K - L	411	- 1536
F - G	706	- 2406	L - M	724	- 347
G - H	700	- 2151	M - N	1029	- 529

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - V	2789	- 551	S - R	1631	- 262
V - U	2786	- 551	R - Q	1333	- 231
U - T	2478	- 462	Q - P	431	- 506
T - S	2083	- 342	P - N	899	- 1131

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
F - T	212	- 582	R - J	484	- 130
G - T	595	- 134	J - Q	289	- 879
H - S	206	- 516	Q - L	1989	- 554
S - I	806	- 244	L - P	680	- 2258

Lumber

Top chord: 2x4 SP #2; T3 2x4 SP M-31;
Bot chord: 2x4 SP #2; B2,B3 2x4 SP M-31;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.511'
Rt Slider: 2x4 SP #3; block length = 1.511'

Bracing

(a) Continuous lateral restraint equally spaced on member.

Purlins

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

Wind

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

Right cantilever is exposed to wind

Additional Notes

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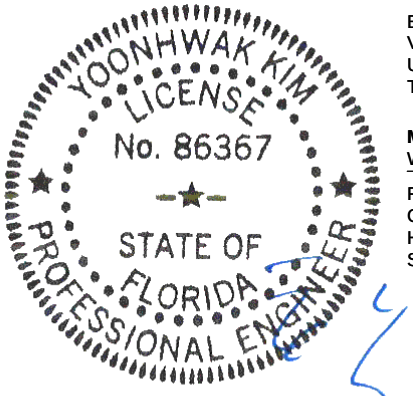
The overall height of this truss excluding overhang is 9-1-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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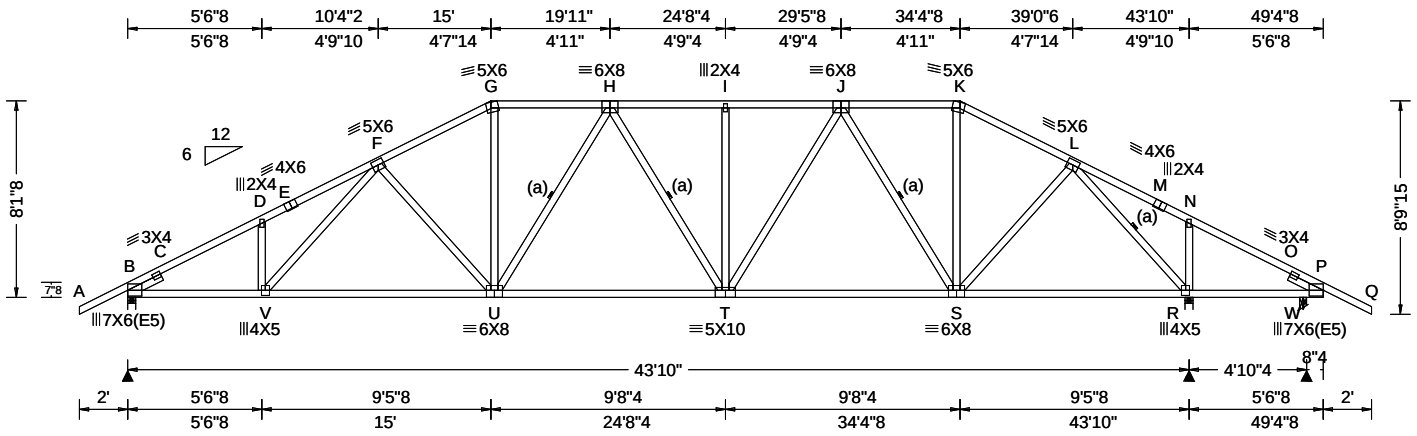
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377242 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** C04	Cust: R 215 JRef:1WZa2150004 T24 DrwNo: 281.20.1208.32390 / YK 10/07/2020	



Loading Criteria (psf)

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TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.94 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.154	H	999	240
VERT(CL): 0.316	H	999	180
HORZ(LL): 0.050	R	-	-
HORZ(TL): 0.104	R	-	-

Creep Factor: 2.0
Max TC CSI: 0.591
Max BC CSI: 0.473
Max Web CSI: 0.789

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
B	1892	/-	/-	/1169	/75	/262
R	2493	/-	/-	/1424	/62	/-
W	111	/-182	/-	/100	/104	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.6
R Brg Width = 4.0 Min Req = 1.7
W Brg Width = 3.5 Min Req = 1.5
Bearings B, R, & W 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	836	- 3216	I - J	730	- 2351
C - D	769	- 3179	J - K	541	- 1536
D - E	816	- 3142	K - L	555	- 1774
E - F	834	- 3107	L - M	812	- 286
F - G	727	- 2522	M - N	713	- 292
G - H	695	- 2209	N - O	816	- 366
H - I	730	- 2351	O - P	1084	- 455

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - V	2768	- 560	T - S	2036	- 379
V - U	2493	- 498	S - R	1042	- 181
U - T	2372	- 453	R - P	930	- 1299

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
V - F	410	- 84	J - S	311	- 974
F - U	202	- 449	S - K	466	- 102
G - U	801	- 197	S - L	780	- 192
T - J	619	- 151	L - R	740	- 2535

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.511'
Rt Slider: 2x4 SP #3; block length = 1.511'

Bracing

(a) Continuous lateral restraint equally spaced on member.

Purlins

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

Wind

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

Right cantilever is exposed to wind

Additional Notes

Negative reaction(s) of -182# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

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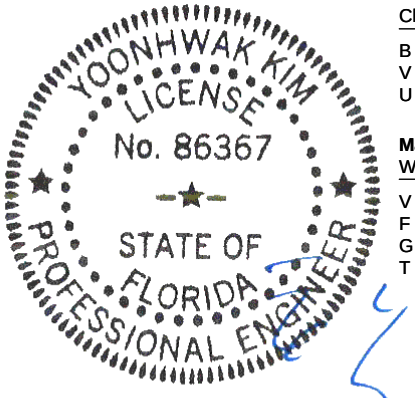
The overall height of this truss excluding overhang is 8-1-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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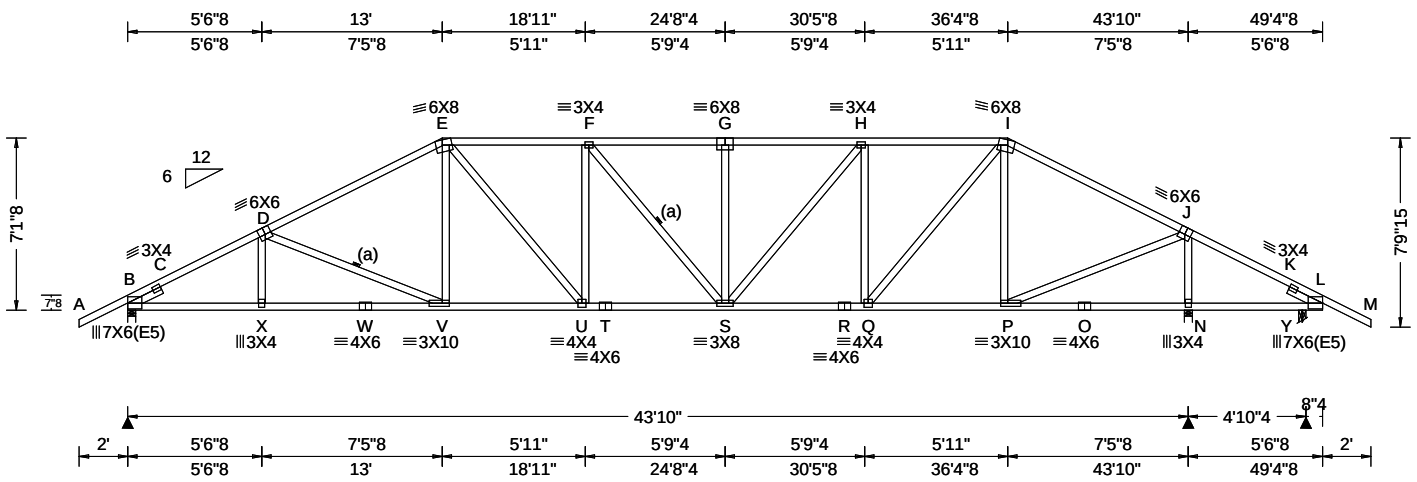
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377245 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** C05		Cust: R 215 JRef:1WZa2150004 T29 DrwNo: 281.20.1208.35247 / YK 10/07/2020	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.202 F 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.413 F 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.066 P - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.137 P - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.858
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.858
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.833
	C&C Dist a: 4.94 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 13.00 ft	Plate Type(s):	VIEW Ver: 20.01.00A.0415.10
	GCpi: 0.18	WAVE	
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1893	/-	/-	/1159	/121	/234
N	2545	/-	/-	/1424	/153	/-
Y	94	/-237	/-	/86	/106	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 2.2
N Brg Width = 4.0 Min Req = 2.6
Y Brg Width = 3.5 Min Req = 1.5
Bearings B, N, & Y 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	808	- 3232	G - H	803	- 2695
C - D	814	- 3195	H - I	693	- 2242
D - E	753	- 2741	I - J	490	- 1691
E - F	806	- 2714	J - K	903	- 382
F - G	803	- 2695	K - L	1318	- 454

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - X	2793	- 607	S - R	2278	- 443
X - W	2789	- 608	R - Q	2278	- 443
W - V	2789	- 608	Q - P	1419	- 240
V - U	2359	- 443	P - O	457	- 653
U - T	2727	- 552	O - N	457	- 653
T - S	2727	- 552	N - L	953	- 1427

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - V	184	- 469	Q - I	1290	- 362
E - V	420	- 51	I - P	265	- 727
E - U	550	- 159	P - J	2188	- 621
S - H	669	- 184	J - N	724	- 2355
H - Q	294	- 873			

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.511'
Rt Slider: 2x4 SP #3; block length = 1.511'

Bracing

(a) Continuous lateral restraint equally spaced on member.

Purlins

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

Wind

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

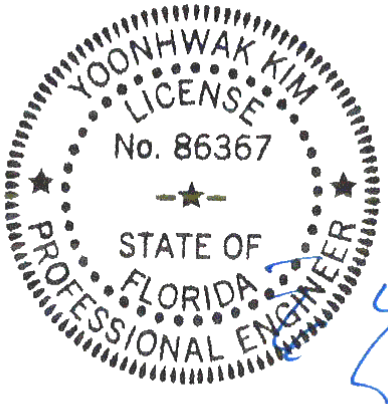
Right cantilever is exposed to wind

Additional Notes

Negative reaction(s) of -237# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

The overall height of this truss excluding overhang is 7-1-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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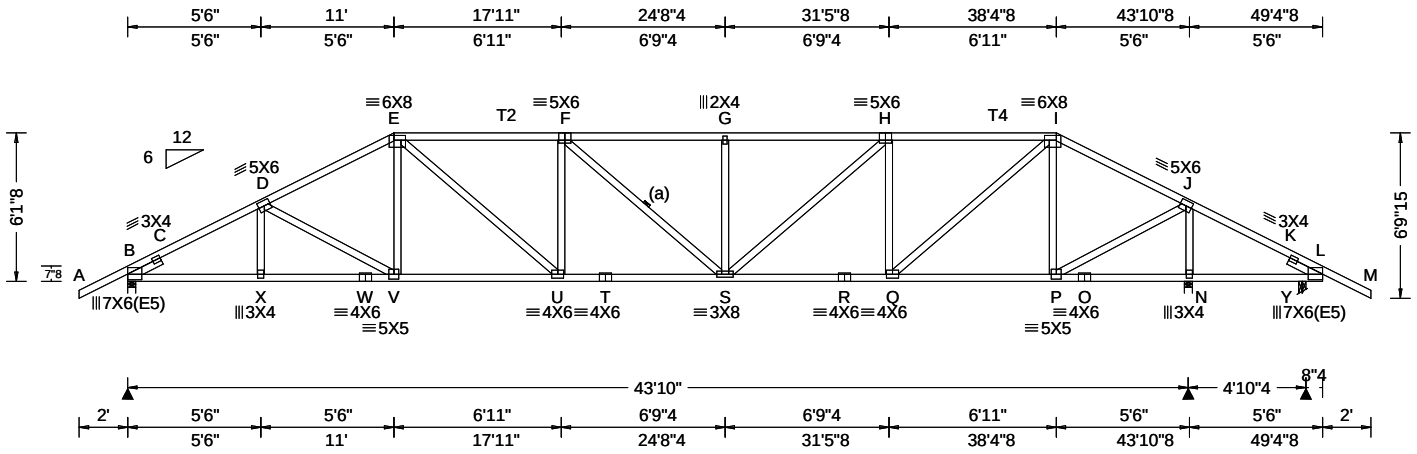
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377252 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** C06		Cust: R 215 JRef:1WZa2150004 T31 DrwNo: 281.20.1208.38487 / YK 10/07/2020	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 4.94 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.221	F	999	240
VERT(CL): 0.453	F	999	180
HORZ(LL): 0.071	P	-	-
HORZ(TL): 0.147	P	-	-

Creep Factor: 2.0
Max TC CSI: 0.746
Max BC CSI: 0.892
Max Web CSI: 0.831

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
B	1887	/-	/-	/1138	/347	/206
N	2641	/-	/-	/1433	/482	/-
Y	43	/-314	/-	/85	/144	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 2.2
N Brg Width = 4.0 Min Req = 2.7
Y Brg Width = 3.5 Min Req = 1.5
Bearings B, N, & Y 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	812	-3183	G - H	896	-3144
C - D	823	-3146	H - I	729	-2473
D - E	787	-2842	I - J	404	-1371
E - F	896	-3134	J - K	1078	-430
F - G	896	-3144	K - L	1410	-563

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - X	2743	-610	S - R	2522	-514
X - W	2740	-611	R - Q	2522	-514
W - V	2740	-611	Q - P	1161	-178
V - U	2478	-490	P - O	502	-810
U - T	3155	-674	O - N	502	-810
T - S	3155	-674	N - L	1044	-1745

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
E - U	865	-232	Q - I	1750	-478
U - F	175	-427	I - P	335	-978
G - S	149	-399	P - J	2182	-632
S - H	845	-229	J - N	747	-2455
H - Q	335	-1001			

Lumber

Top chord: 2x4 SP M-31; T2,T4 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.500'
Rt Slider: 2x4 SP #3; block length = 1.500'

Bracing

(a) Continuous lateral restraint equally spaced on member.

Purlins

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

Wind

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

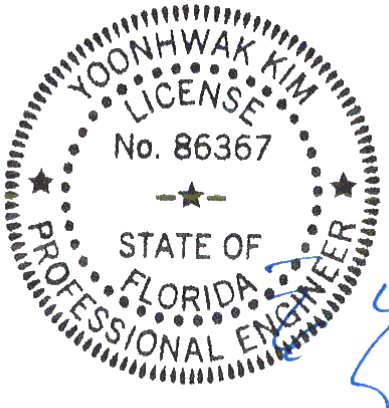
Right cantilever is exposed to wind

Additional Notes

Negative reaction(s) of -314# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

The overall height of this truss excluding overhang is 6-1-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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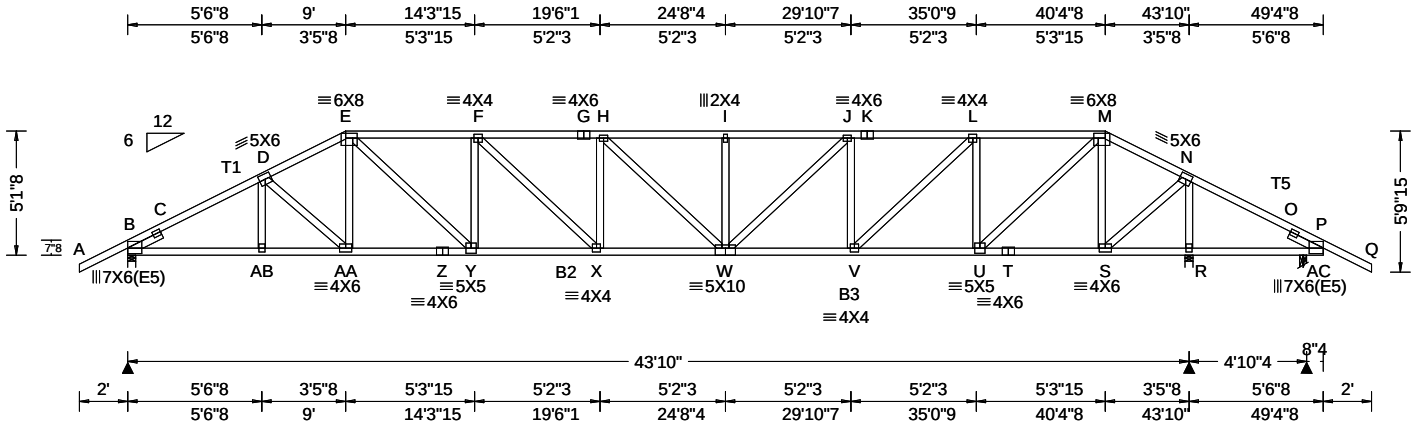
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377257 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** C07	Cust: R 215 JRef:1WZa2150004 T27 DrwNo: 281.20.1208.42063 / YK 10/07/2020	



Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00		Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00		Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.310 H 999 240
BCLL: 0.00		Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.647 H 813 180
BCDL: 10.00		Risk Category: II	Snow Duration: NA	HORZ(LL): 0.080 E - -
Des Ld: 40.00		EXP: C Kzt: NA		HORZ(TL): 0.167 E - -
NCBCLL: 10.00		Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00		TCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.631
Load Duration: 1.25		BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.915
Spacing: 24.0 "		MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes	Max Web CSI: 0.757
		C&C Dist a: 4.94 ft	FT/RT:20(0)/10(0)	
		Loc. from endwall: not in 6.50 ft	Plate Type(s):	
		GCpi: 0.18	WAVE	VIEW Ver: 20.01.00A.0415.10
		Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1919	/-	/-	/1132	/341	/178
R	2441	/-	/-	/1424	/565	/-
AC	-	/-	/-	/106	/-	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.6
R Brg Width = 4.0 Min Req = 1.6
AC Brg Width = 3.5 Min Req = 1.5
Bearings B, R, & AC 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	842	-3236	I - J	976	-3929
C - D	813	-3199	J - K	820	-3406
D - E	801	-2999	K - L	820	-3406
E - F	924	-3524	L - M	560	-2447
F - G	1004	-3952	M - N	176	-1191
G - H	1004	-3952	N - O	791	-586
H - I	976	-3929	O - P	874	-658

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B -AB	2786	-598	W - V	3452	-635
AB-AA	2783	-598	V - U	2521	-381
AA- Z	2639	-511	U - T	1025	-79
Z - Y	2639	-511	T - S	1025	-79
Y - X	3567	-737	S - R	637	-593
X - W	3969	-809	R - P	1316	-1260

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
E - Y	1209	-291	L - U	402	-1250
Y - F	217	-723	U - M	1986	-564
F - X	541	-95	M - S	466	-1201
W - J	699	-218	S - N	1864	-651
J - V	266	-796	N - R	830	-2296
V - L	1280	-354			

Lumber

Top chord: 2x4 SP #2; T1,T5 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B2,B3 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.511'
Rt Slider: 2x4 SP #3; block length = 1.511'

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 cantilever is exposed to wind

Additional Notes

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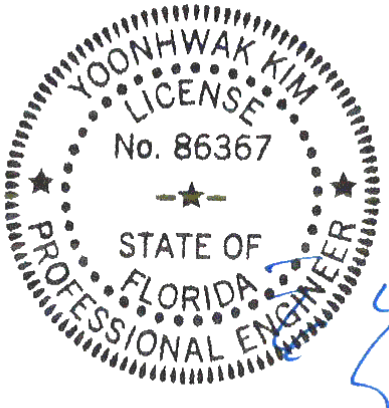
The overall height of this truss excluding overhang is 5-1-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
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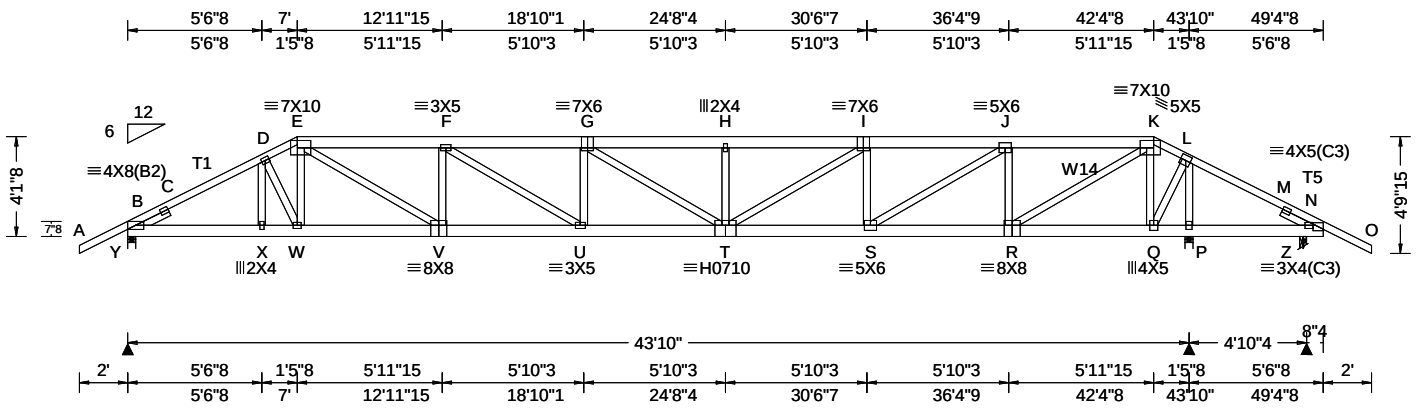
SEQN: 377269 HIPS FROM: CDM Page 1 of 2	Ply: 2 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** C08	Cust: R 215 JRef:1WZa2150004 T77 DrwNo: 281.20.1208.48647 / YK 10/07/2020	

2 Complete Trusses Required



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.94 ft
Loc. from endwall: not in 6.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.348	H	999	240
VERT(CL): 0.697	H	749	180
HORZ(LL): 0.063	E	-	-
HORZ(TL): 0.126	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.455
Max BC CSI: 0.422
Max Web CSI: 0.882

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Y	4265	/-	/-	/-	/869	/-
P	4605	/-	/-	/-	/1489	/-
Z	83	/-	/-	/-	/496	/-

Wind reactions based on MWFRS
Y Brg Width = 4.0 Min Req = 1.8
P Brg Width = 4.0 Min Req = 1.5
Z Brg Width = 3.5 Min Req = 1.5
Bearings Y, P, & Z 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	765	- 3816	H - I	1166	- 6434
C - D	756	- 3790	I - J	909	- 5517
D - E	765	- 3847	J - K	429	- 3465
E - F	1057	- 5420	K - L	103	- 571
F - G	1211	- 6399	L - M	326	- 494
G - H	1166	- 6434	M - N	388	- 572

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - X	3327	- 659	T - S	5588	- 932
X - W	3329	- 660	S - R	3585	- 460
W - V	3497	- 694	R - Q	493	- 103
V - U	5499	- 1076	Q - P	407	- 239
U - T	6427	- 1219	P - N	425	- 261

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - W	407	- 82	S - J	2315	- 538
E - V	2274	- 429	J - R	391	- 1523
V - F	251	- 1015	R - K	3516	- 772
F - U	1078	- 161	K - Q	523	- 1699
T - I	1006	- 278	Q - L	1693	- 447
I - S	287	- 899	L - P	599	- 2046

Lumber

Top chord: 2x6 SP 2400f-2.0E; T1,T5 2x4 SP #2;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W14 2x4 SP #2;
Lt Slider: 2x4 SP #3; block length = 1.500'
Rt Slider: 2x4 SP #3; block length = 1.500'

Nailnote

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

Special Loads

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

TC: From	62 plf at	-2.00 to	62 plf at	7.00
TC: From	31 plf at	7.00 to	31 plf at	34.44
TC: From	62 plf at	34.44 to	62 plf at	51.38
BC: From	4 plf at	-2.00 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	7.03
BC: From	10 plf at	7.03 to	10 plf at	36.53
BC: From	20 plf at	36.53 to	20 plf at	49.38
BC: From	4 plf at	49.38 to	4 plf at	51.38

TC: 280 lb Conc. Load at 7.03
TC: 189 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06,19.06,21.06,23.06,25.06,27.06,29.06,31.06 33.06
BC: 450 lb Conc. Load at 7.03
BC: 130 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06,19.06,21.06,23.06,25.06,27.06,29.06,31.06 33.06
BC: 800 lb Conc. Load at 34.44

Plating Notes

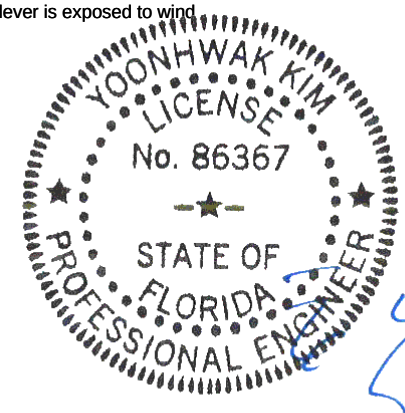
All plates are 3X4 except as noted.

Purlins

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

Wind

Wind loads and reactions based on MWFRS.
Right cantilever is exposed to wind



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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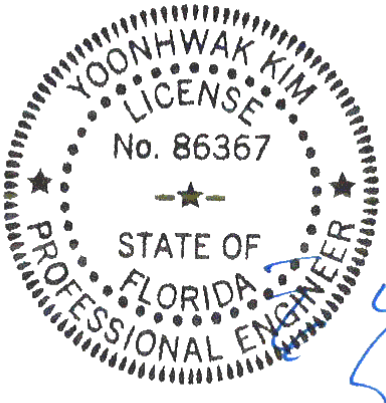
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377269 HIPS FROM: CDM Page 2 of 2	Ply: 2 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** C08	Cust: R 215 JRef:1WZa2150004 T77 DrwNo: 281.20.1208.48647 / YK 10/07/2020

Additional Notes

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

The overall height of this truss excluding overhang is 4-1-8.



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10/07/2020

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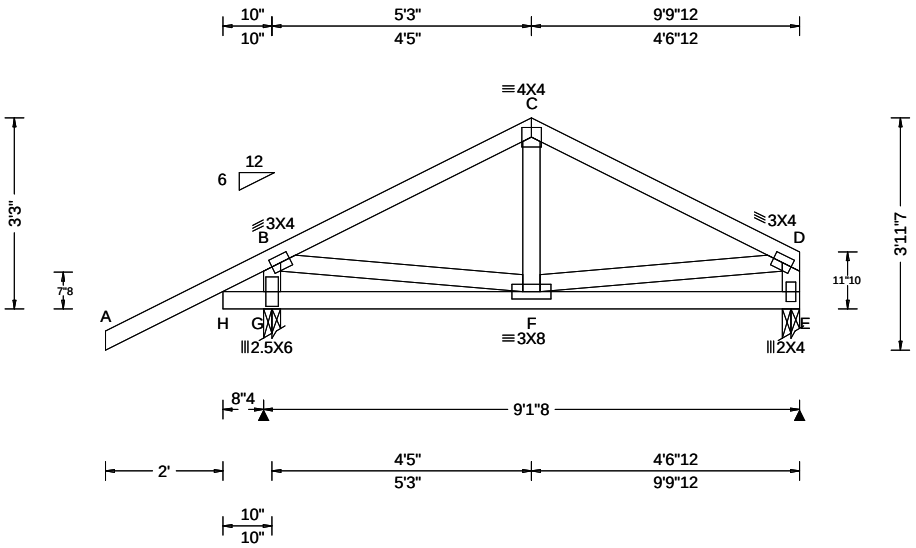
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 368981 SPEC FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** D01	Cust: R 215 JRef:1WZa2150004 T52 DrwNo: 281.20.1208.51810 / YK 10/07/2020	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.005	F	999	240
VERT(CL): 0.008	F	999	180
HORZ(LL): -0.001	B	-	-
HORZ(TL): 0.001	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.608
Max BC CSI: 0.192
Max Web CSI: 0.248

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	571	/-	/-	/398	/114	/100
E	351	/-	/-	/210	/57	/-

Wind reactions based on MWFRS
G Brg Width = 3.5 Min Req = 1.5
E Brg Width = 3.5 Min Req = 1.5
Bearings G & E 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	165	-407	C - D	170	-388

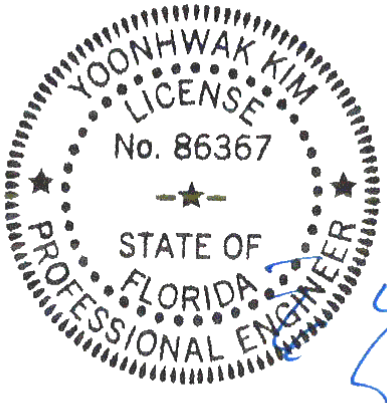
Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
B - G	340	-530

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.
End verticals not exposed to wind pressure.
Left cantilever is exposed to wind

Additional Notes
The overall height of this truss excluding overhang is 3-3-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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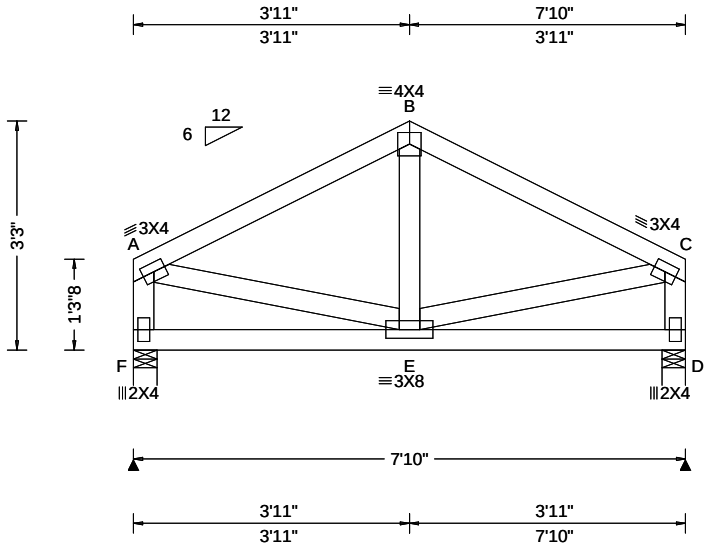
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377331 COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** D02	Cust: R 215 JRef:1WZa2150004 T54 DrwNo: 281.20.1209.11227 / YK 10/07/2020



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.003	B	999	240
VERT(CL): 0.006	B	999	180
HORZ(LL): 0.000	C	-	-
HORZ(TL): 0.001	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.175
Max BC CSI: 0.136
Max Web CSI: 0.094

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	323	/-	/-	/180	/54	/49
D	323	/-	/-	/180	/54	/-

Wind reactions based on MWFRS
F Brg Width = 4.0 Min Req = 1.5
D Brg Width = 4.0 Min Req = 1.5
Bearings F & 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;

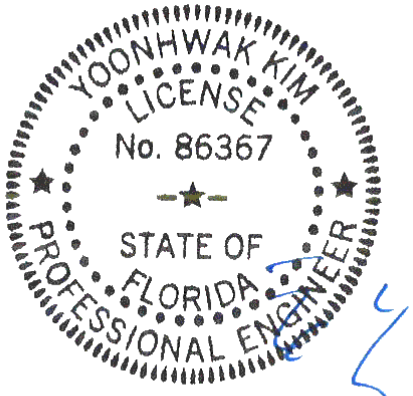
Wind

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

End verticals not exposed to wind pressure.

Additional Notes

The overall height of this truss excluding overhang is 3-3-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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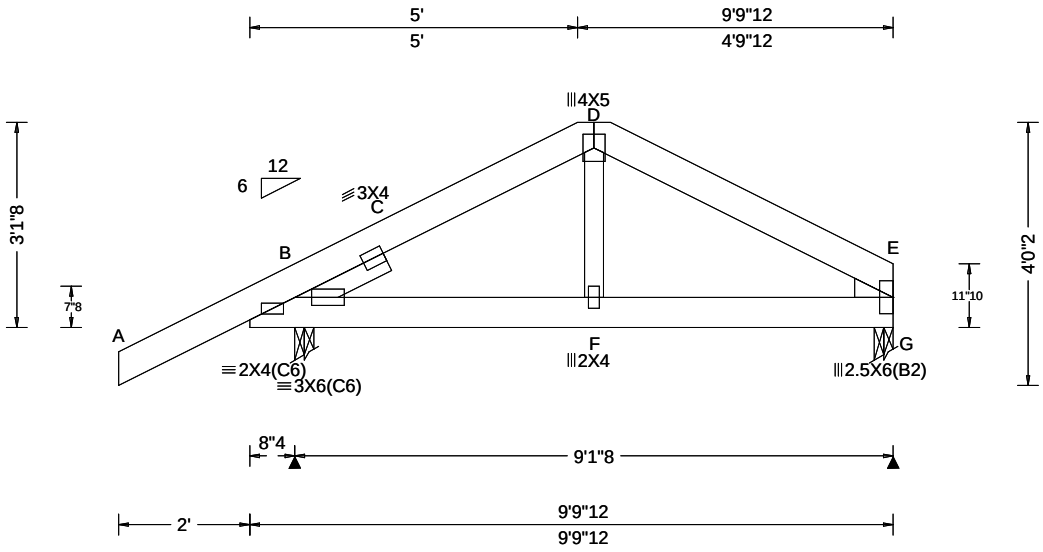
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 369050 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** D03		Cust: R 215 JRef:1WZa2150004 T53 DrwNo: 281.20.1209.13840 / YK 10/07/2020	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.010 F	999	240
VERT(CL):	0.019 F	999	180
HORZ(LL):	0.004 F	-	-
HORZ(TL):	0.007 F	-	-

Creep Factor: 2.0
Max TC CSI: 0.092
Max BC CSI: 0.147
Max Web CSI: 0.121

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	885	/-	/-	/-	/288	/-
G	613	/-	/-	/-	/201	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
G Brg Width = 3.5 Min Req = 1.5
Bearings B & G are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
C - D	306	-808	D - E	309	-818

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - F	659	-248	F - E	658	-248

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
B - C	296	-738

Lumber
Top chord: 2x6 SP 2400f-2.0E;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.500'
Rt Wedge: 2x4 SP #3;

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

TC: From	62 plf at	-2.00 to	62 plf at	9.81
BC: From	4 plf at	-2.00 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	5.03
BC: From	10 plf at	5.03 to	10 plf at	5.47
BC: From	20 plf at	5.47 to	20 plf at	9.81

TC: 97 lb Conc. Load at 5.03, 5.47
BC: 183 lb Conc. Load at 5.03, 5.47

Wind
Wind loads and reactions based on MWFRS.
Left cantilever is exposed to wind

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

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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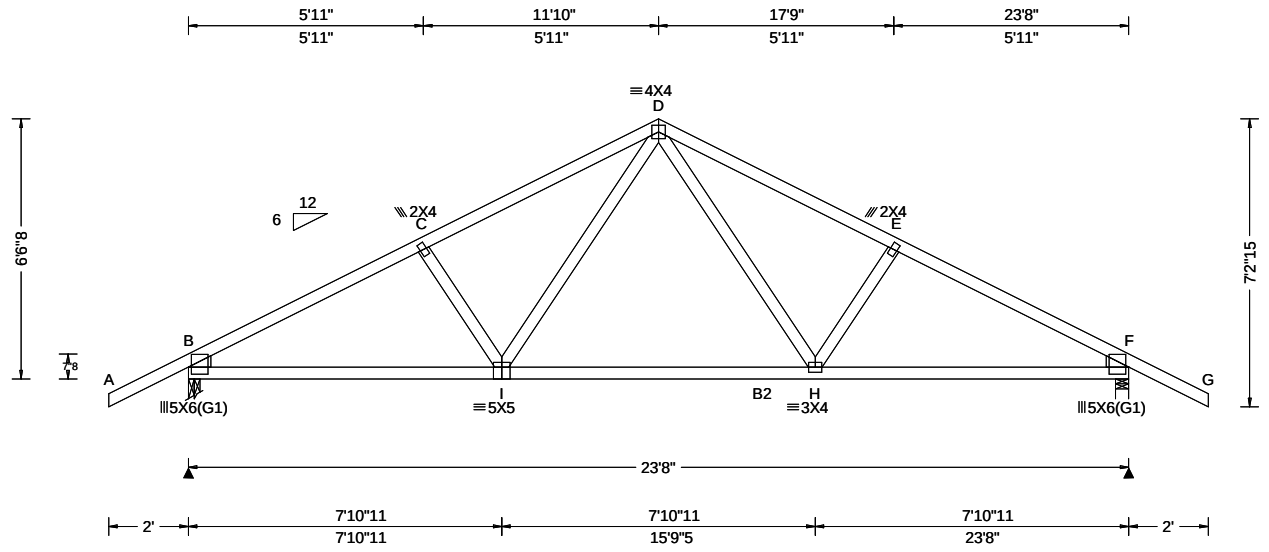
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377272 COMN FROM: CDM	Ply: 1 Qty: 8	**Job Number:** 20-4572 Reiter **Truss Label:** G01	Cust: R 215 JRef:1WZa2150004 T63 DrwNo: 281.20.1209.16770 / YK 10/07/2020	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.050	I	999	240
VERT(CL): 0.096	I	999	180
HORZ(LL): 0.021	H	-	-
HORZ(TL): 0.039	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.154
Max BC CSI: 0.742
Max Web CSI: 0.209

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1166	/-	/-	/674	/29	/201
F	1166	/-	/-	/674	/29	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 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	352	- 1724	D - E	367	- 1534
C - D	368	- 1529	E - F	351	- 1729

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - I	1455	- 191	H - F	1459	- 228
I - H	1005	- 86			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
I - D	541	- 116	D - H	548	- 116

Lumber

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

Loading

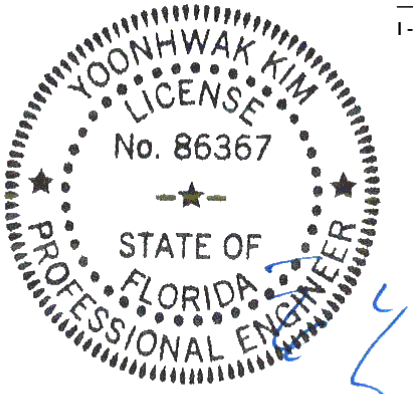
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 6-6-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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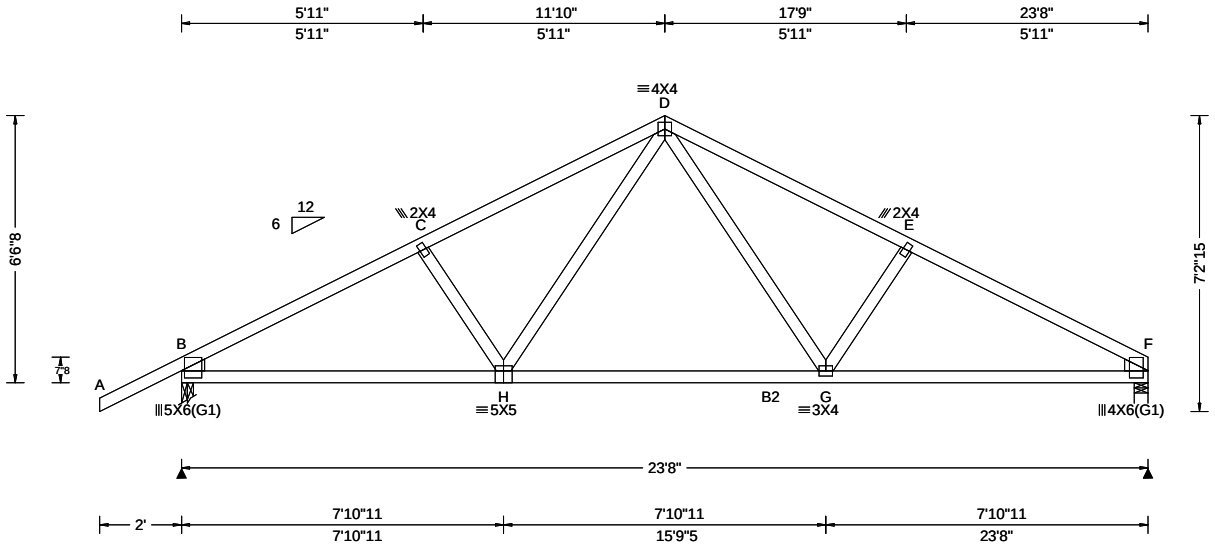
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377275 COMN FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 20-4572 Reiter **Truss Label:** G02	Cust: R 215 JRef:1WZa2150004 T46 DrwNo: 281.20.1209.19197 / YK 10/07/2020	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.050	H	999	240
VERT(CL): 0.096	H	999	180
HORZ(LL): 0.021	G	-	-
HORZ(TL): 0.040	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.151
Max BC CSI: 0.739
Max Web CSI: 0.220

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1171	/-	/-	/674	/31	/182
F	1027	/-	/-	/560	/16	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 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	369	- 1736	D - E	413	- 1566
C - D	386	- 1540	E - F	396	- 1763

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - H	1465	- 274	G - F	1495	- 282
H - G	1016	- 134			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
H - D	538	- 112	D - G	578	- 125

Lumber

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

Loading

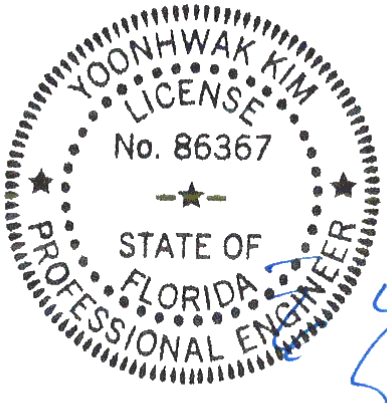
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 6-6-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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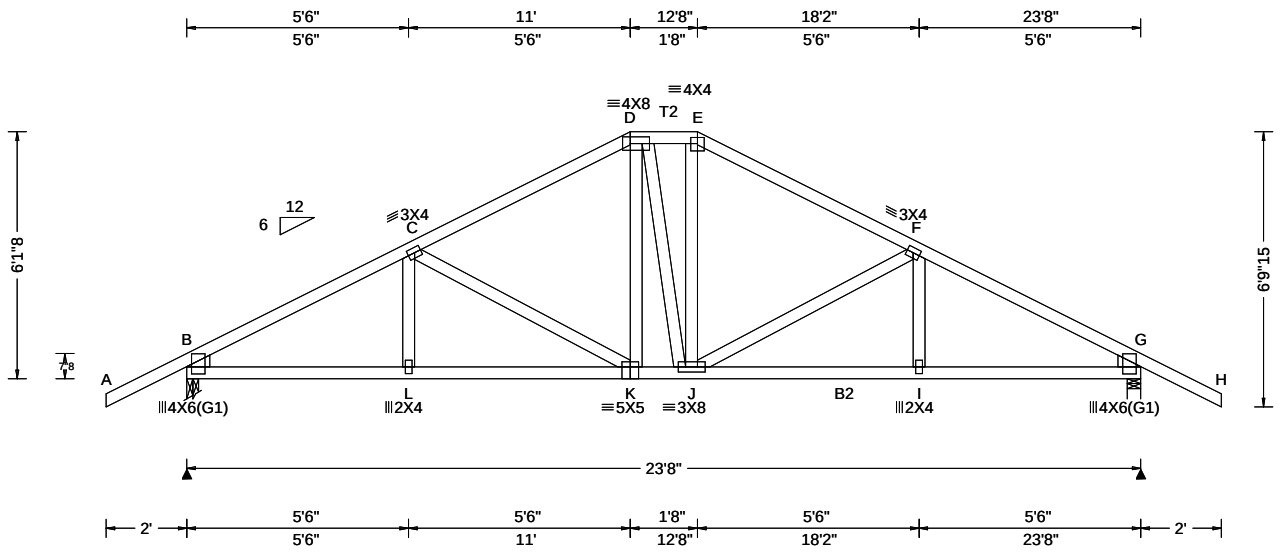
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377278 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** G03	Cust: R 215 JRef:1WZa2150004 T61 DrwNo: 281.20.1210.31577 / YK 10/07/2020	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.044	K	999	240
VERT(CL): 0.088	K	999	180
HORZ(LL): 0.021	I	-	-
HORZ(TL): 0.041	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.203
Max BC CSI: 0.469
Max Web CSI: 0.335

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1108	/-	/-	/674	/202	/190
G	1108	/-	/-	/674	/202	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
G Brg Width = 4.0 Min Req = 1.5
Bearings B & G are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	369	- 1609	E - F	334	- 1176
C - D	333	- 1181	F - G	367	- 1608
D - E	334	- 986			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - L	1355	- 209	J - I	1351	- 246
L - K	1352	- 210	I - G	1355	- 245
K - J	983	- 109			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - K	147	- 425	J - F	147	- 427

Lumber

Top chord: 2x4 SP M-31; T2 2x4 SP #2;
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;
Webs: 2x4 SP #3;
Lt Stub Wedge: 2x4 SP #3;Rt Stub Wedge: 2x4 SP #3;

Purlins

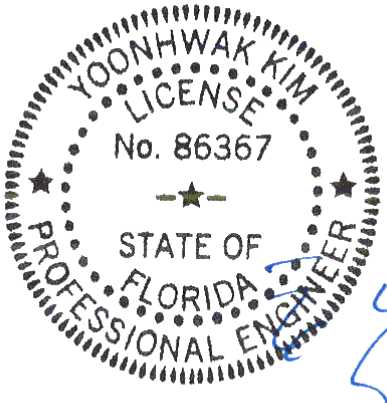
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 6-1-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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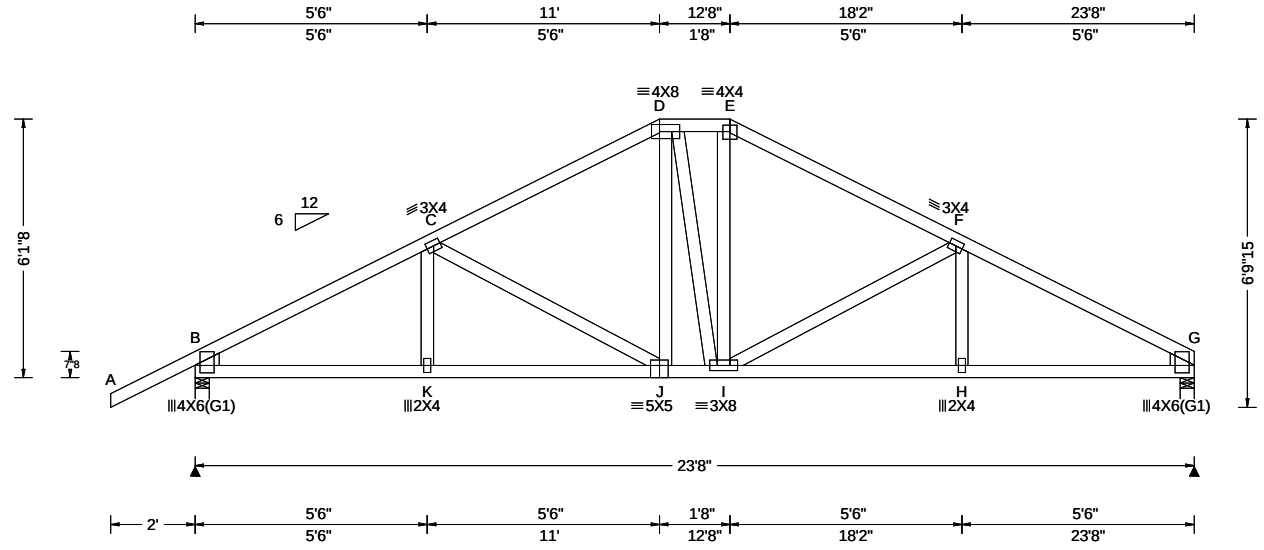
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 368922 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** G04		Cust: R 215 JRef:1WZa2150004 T45 DrwNo: 281.20.1210.34617 / YK 10/07/2020	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.053	J	999	240
VERT(CL): 0.108	J	999	180
HORZ(LL): 0.024	H	-	-
HORZ(TL): 0.048	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.368
Max BC CSI: 0.481
Max Web CSI: 0.364

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1114	/-	/-	/674	/204	/171
G	969	/-	/-	/561	/166	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
G Brg Width = 4.0 Min Req = 1.5
Bearings B & G are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	385	-1620	E - F	356	-1190
C - D	348	-1193	F - G	413	-1651
D - E	345	-997			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - K	1365	-291	I - H	1395	-300
K - J	1362	-291	H - G	1399	-300
J - I	994	-168			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - J	143	-424	I - F	166	-464

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Stub Wedge: 2x4 SP #3;Rt Stub Wedge: 2x4 SP #3;

Purlins

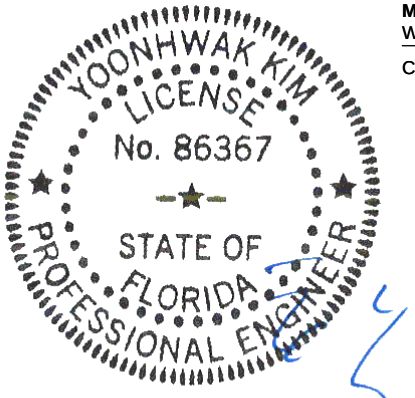
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 6-1-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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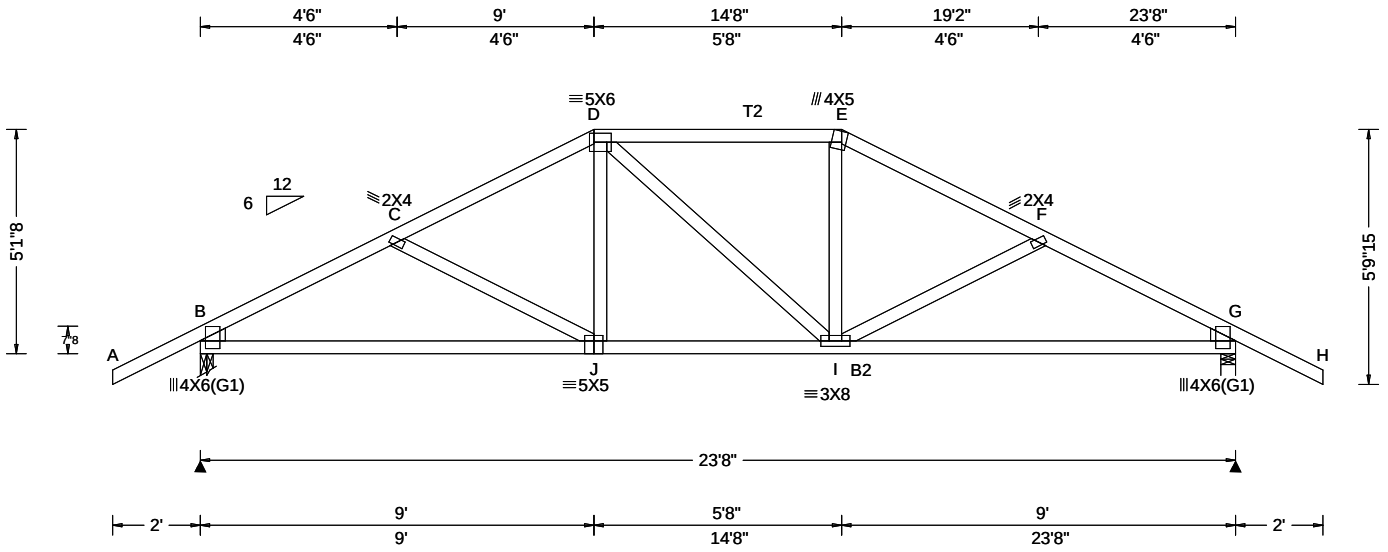
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377281 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** G05		Cust: R 215 JRef:1WZa2150004 T60 DrwNo: 281.20.1210.37783 / YK 10/07/2020	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.043	J	999	240
VERT(CL): 0.086	J	999	180
HORZ(LL): 0.020	I	-	-
HORZ(TL): 0.040	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.325
Max BC CSI: 0.800
Max Web CSI: 0.140

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1108	/-	/-	/673	/205	/165
G	1108	/-	/-	/673	/205	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
G Brg Width = 4.0 Min Req = 1.5
Bearings B & G are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	423	-1604	E - F	374	-1333
C - D	377	-1339	F - G	423	-1603
D - E	376	-1146			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - J	1360	-262	I - G	1360	-301
J - I	1145	-167			

Lumber

Top chord: 2x4 SP M-31; T2 2x4 SP #2;
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;
Webs: 2x4 SP #3;
Lt Stub Wedge: 2x4 SP #3;Rt Stub Wedge: 2x4 SP #3;

Purlins

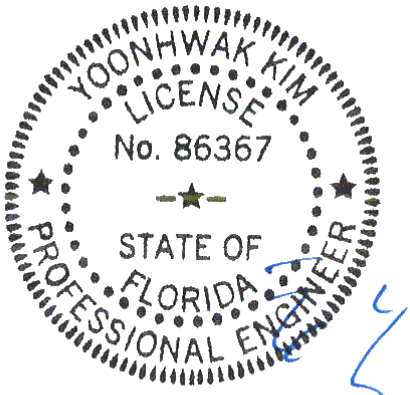
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 5-1-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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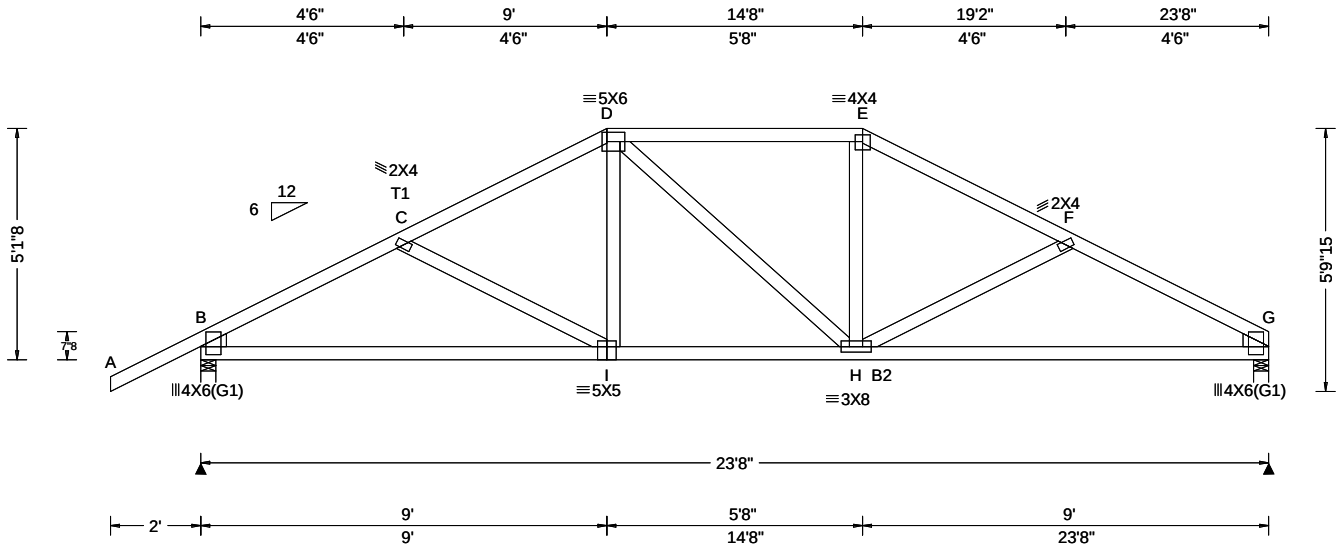
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377284 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** G06		Cust: R 215 JRef:1WZa2150004 T9 DrwNo: 281.20.1210.40717 / YK 10/07/2020	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.045	H	999	240
VERT(CL): 0.091	H	999	180
HORZ(LL): 0.020	H	-	-
HORZ(TL): 0.041	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.336
Max BC CSI: 0.803
Max Web CSI: 0.158

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1114	/-	/-	/673	/206	/146
G	969	/-	/-	/559	/168	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
G Brg Width = 4.0 Min Req = 1.5
Bearings B & G are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	440	-1614	E - F	400	-1356
C - D	395	-1350	F - G	456	-1644
D - E	384	-1164			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - I	1370	-345	H - G	1406	-348
I - H	1155	-239			

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31;
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;
Webs: 2x4 SP #3;
Lt Stub Wedge: 2x4 SP #3;Rt Stub Wedge: 2x4 SP #3;

Purlins

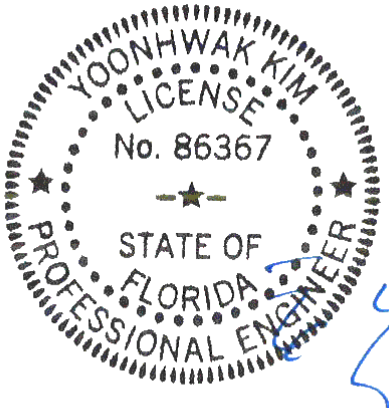
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 5-1-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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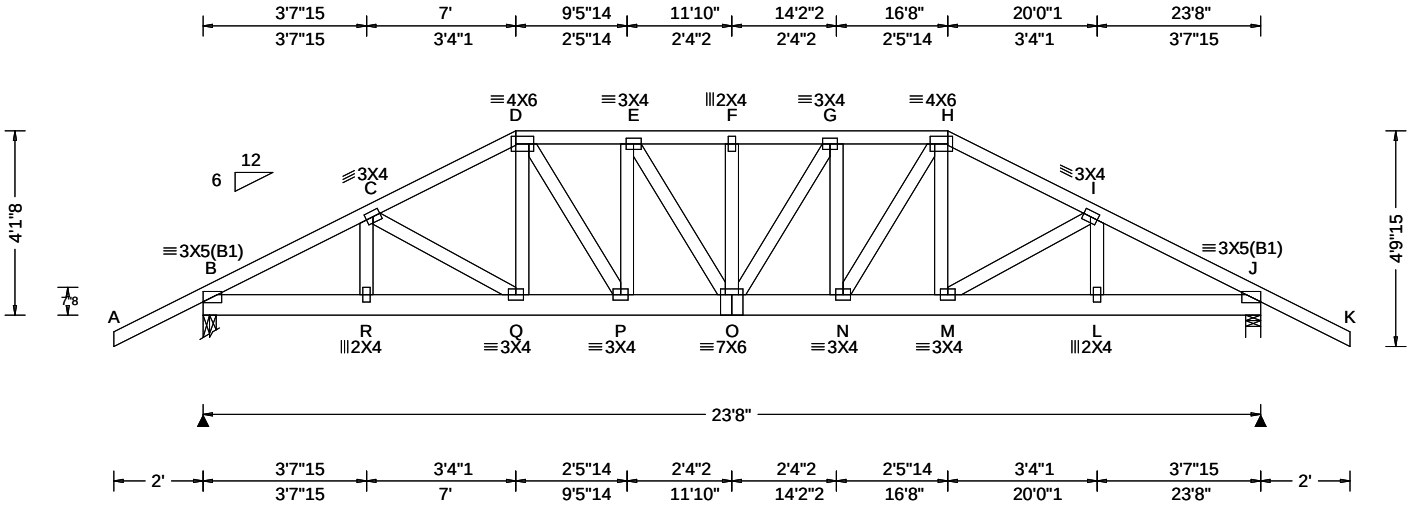
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377308 HIPS FROM: CDM	Ply: 2 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** G07	Cust: R 215 JRef:1WZa2150004 T5 DrwNo: 281.20.1210.44260 / YK 10/07/2020	

2 Complete Trusses Required



Loading Criteria (psf)
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 Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.071	F	999	240
VERT(CL): 0.140	F	999	180
HORZ(LL): 0.017	L	-	-
HORZ(TL): 0.034	L	-	-

Creep Factor: 2.0
Max TC CSI: 0.421
Max BC CSI: 0.269
Max Web CSI: 0.160

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	2446	/-	/-	/-	/555	/-
J	2446	/-	/-	/-	/555	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
J Brg Width = 4.0 Min Req = 1.5
Bearings B & J are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	397	- 1873	F - G	418	- 1918
C - D	387	- 1797	G - H	396	- 1828
D - E	395	- 1827	H - I	387	- 1797
E - F	418	- 1918	I - J	397	- 1873

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - R	1630	- 342	O - N	1840	- 399
R - Q	1628	- 342	N - M	1604	- 344
Q - P	1604	- 344	M - L	1629	- 342
P - O	1839	- 399	L - J	1631	- 342

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - P	420	- 98	N - H	421	- 98

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

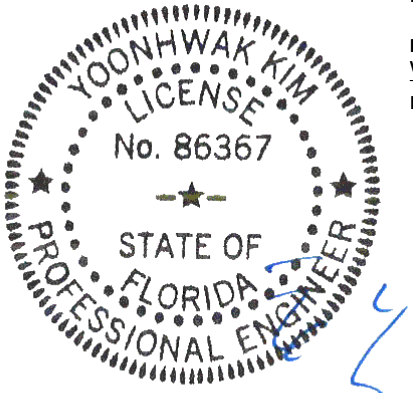
Nailnote
Nail Schedule:0.131"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @10.25" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 62 plf at -2.00 to 62 plf at 2.06
TC: From 31 plf at 2.06 to 31 plf at 21.60
TC: From 62 plf at 21.60 to 62 plf at 25.67
BC: From 4 plf at -2.00 to 4 plf at 0.00
BC: From 10 plf at 0.00 to 10 plf at 23.67
BC: From 4 plf at 23.67 to 4 plf at 25.67
BC: 243 lb Conc. Load at 2.06,21.60
BC: 346 lb Conc. Load at 4.06,19.60
BC: 334 lb Conc. Load at 6.06, 8.06,11.85,15.60 17.60
BC: 336 lb Conc. Load at 10.06,13.60

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 4-1-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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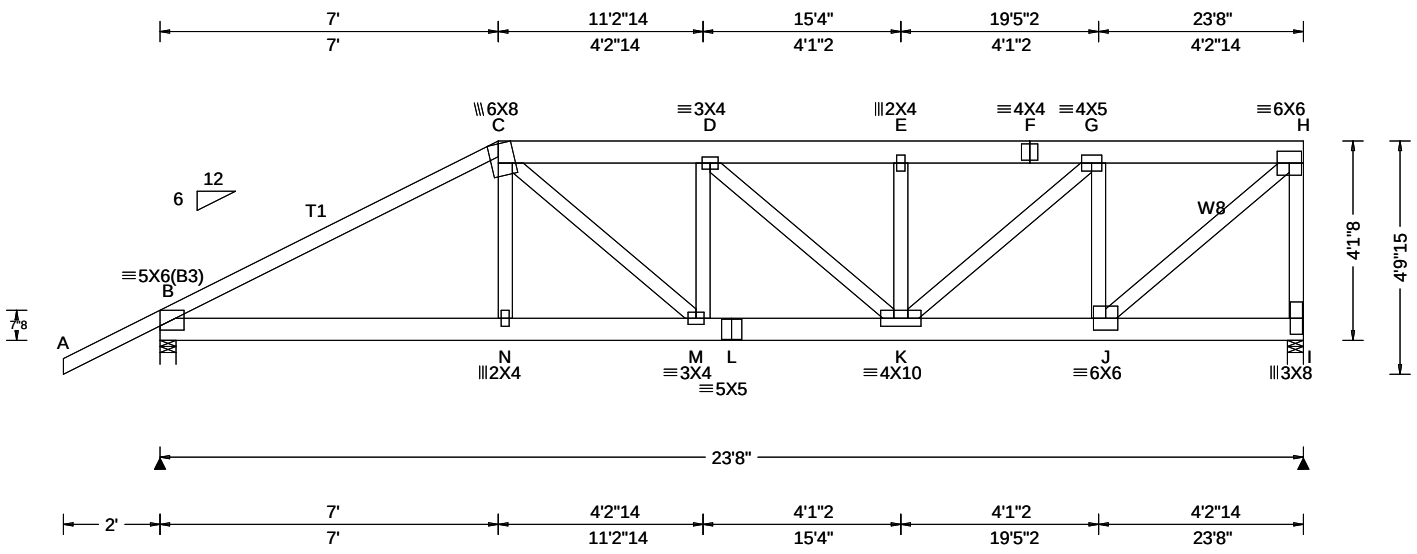
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377287 HIPM FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** G08	Cust: R 215 JRef:1WZa2150004 T56 DrwNo: 281.20.1210.47607 / YK 10/07/2020	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.105	D	999	240
VERT(CL): 0.210	D	999	180
HORZ(LL): 0.026	I	-	-
HORZ(TL): 0.052	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.450
Max BC CSI: 0.498
Max Web CSI: 0.686

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	2222	/-	/-	/-	/493	/-
I	2477	/-	/-	/-	/496	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.8
I Brg Width = 4.0 Min Req = 2.1
Bearings B & I are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	825	- 3732	E - F	769	- 3584
C - D	851	- 3942	F - G	769	- 3584
D - E	769	- 3584	G - H	481	- 2269

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - N	3239	- 702	L - K	3957	- 861
N - M	3255	- 701	K - J	2403	- 517
M - L	3957	- 861			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - N	406	0	K - G	1612	- 343
C - M	922	- 201	G - J	459	- 1692
D - K	125	- 509	J - H	3038	- 644
E - K	180	- 458	H - I	505	- 2310

Lumber

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

Special Loads

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

TC: From	62 plf at	-2.00 to	62 plf at	7.00
TC: From	31 plf at	7.00 to	31 plf at	23.67
BC: From	4 plf at	-2.00 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	7.03
BC: From	10 plf at	7.03 to	10 plf at	23.67

TC: 280 lb Conc. Load at 7.03
TC: 189 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06,19.06,21.06
TC: 199 lb Conc. Load at 23.06
BC: 450 lb Conc. Load at 7.03
BC: 130 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06,19.06,21.06
BC: 134 lb Conc. Load at 23.06

Purlins

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

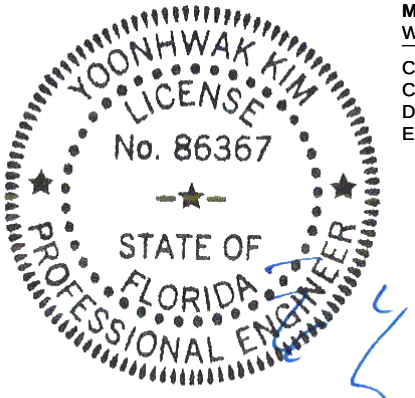
Wind

Wind loads and reactions based on MWFRS.

Right end vertical not exposed to wind pressure.

Additional Notes

The overall height of this truss excluding overhang is 4-1-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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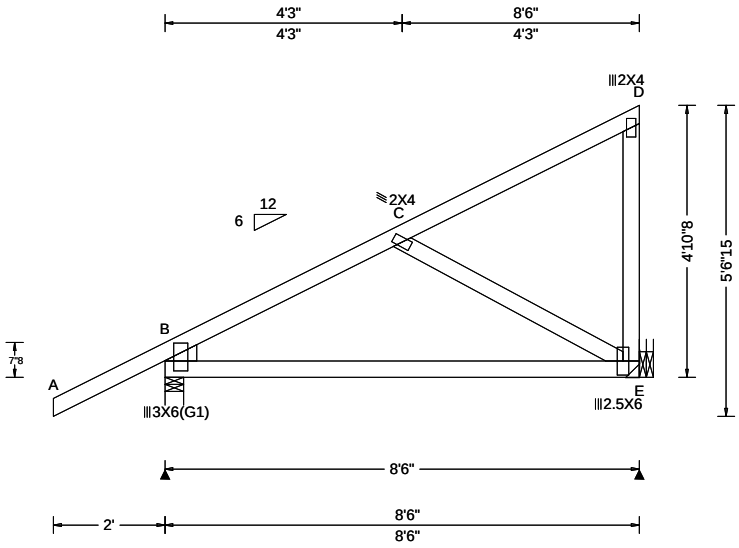
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377305 MONO FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** H01	Cust: R 215 JRef:1WZa2150004 T75 DrwNo: 281.20.1210.50070 / YK 10/07/2020	



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.004	C	999	240
VERT(CL): 0.007	C	999	180
HORZ(LL): 0.002	E	-	-
HORZ(TL): 0.007	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.376
Max BC CSI: 0.661
Max Web CSI: 0.155

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	499	/-	/-	/350	/65	/150
E	334	/-	/-	/230	/89	/-

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#

Maximum Top Chord Forces Per Ply (lbs)

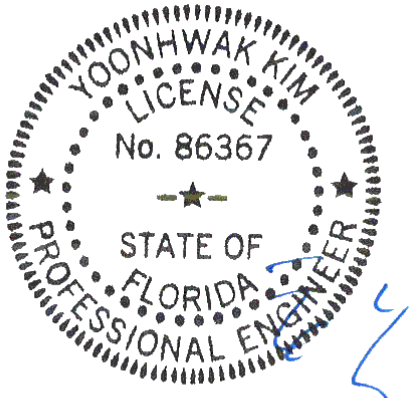
Chords	Tens.	Comp.
B - C	37	-382

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Stub Wedge: 2x4 SP #3;

Hangers / Ties
(J) Hanger Support Required, by others

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

Additional Notes
The overall height of this truss excluding overhang is 4-10-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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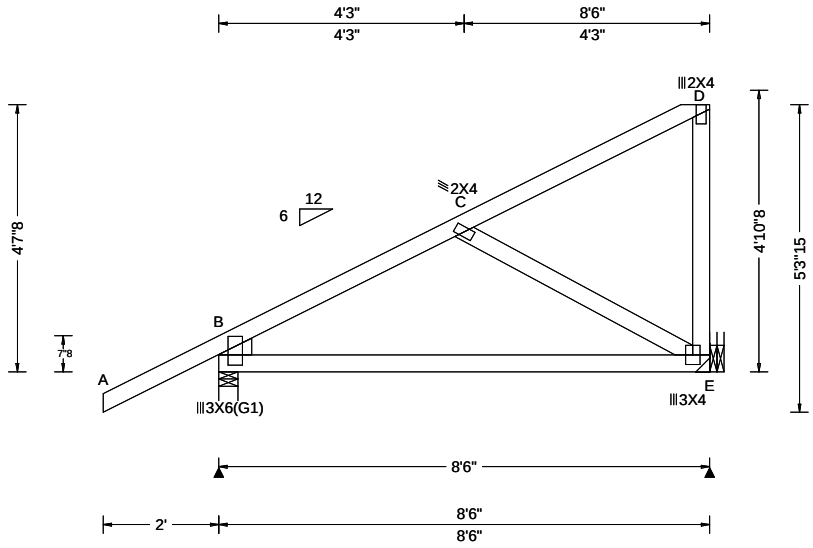
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377302 HIPM FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 20-4572 Reiter **Truss Label:** H02	Cust: R 215 JRef:1WZa2150004 T66 DrwNo: 281.20.1210.52203 / YK 10/07/2020	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.004 C 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.007 C 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.002 E - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.007 E - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.368
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.662
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes	Max Web CSI: 0.152
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 9.00 ft	Plate Type(s):	VIEW Ver: 20.01.00A.0415.10
	GCpi: 0.18	WAVE	
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	499	/-	/-	/350	/68	/143
E	336	/-	/-	/216	/79	/-

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#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - C	54	-380

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Stub Wedge: 2x4 SP #3;

Hangers / Ties

(J) Hanger Support Required, by others

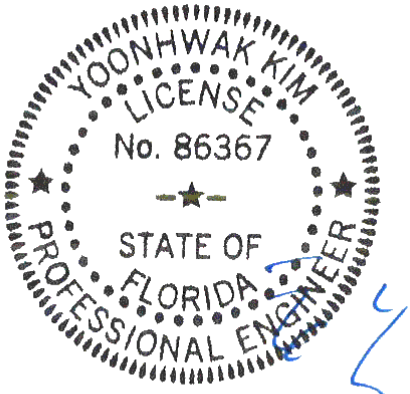
Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

The overall height of this truss excluding overhang is 4-7-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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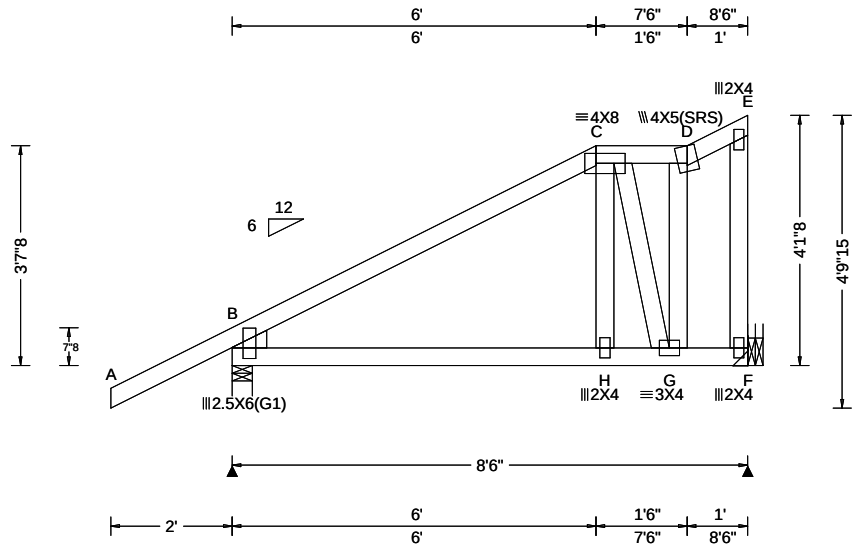
Suite 305
Orlando FL, 32821

SEQN: 377299 HIPS FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 20-4572 Reiter **Truss Label:** H03	Cust: R 215 JRef:1WZa2150004 T73 DrwNo: 281.20.1210.54460 / YK 10/07/2020	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.025	D	999	240
VERT(CL): 0.049	D	999	180
HORZ(LL): 0.012	C	-	-
HORZ(TL): 0.024	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.345
Max BC CSI: 0.472
Max Web CSI: 0.169

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	499	/-	/-	/347	/76	/127
F	334	/-	/-	/210	/78	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
F Brg Width = - Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - H	384	- 96	C - G	372	- 623

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Stub Wedge: 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.

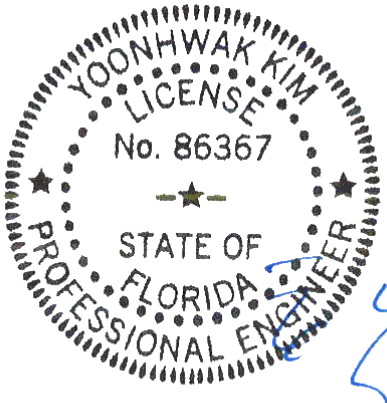
Wind

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 4-1-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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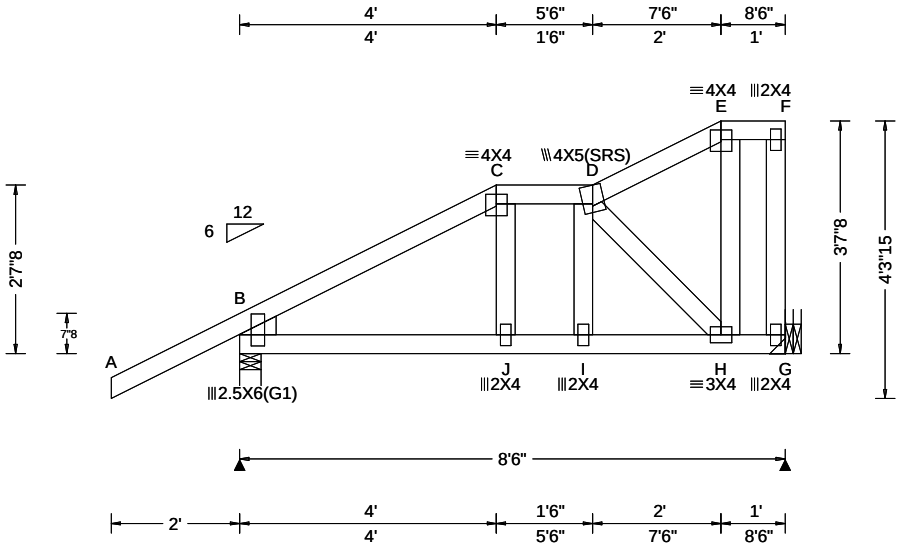
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377296 SPEC FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 20-4572 Reiter **Truss Label:** H04	Cust: R 215 JRef:1WZa2150004 T65 DrwNo: 281.20.1210.56900 / YK 10/07/2020	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.022	H	999	240
VERT(CL): 0.043	H	999	180
HORZ(LL): 0.008	E	-	-
HORZ(TL): 0.016	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.342
Max BC CSI: 0.377
Max Web CSI: 0.107

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	499	/-	/-	/343	/81	/113
G	334	/-	/-	/200	/74	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
G Brg Width = - Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - C	156	-411

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
D - H	333	-431

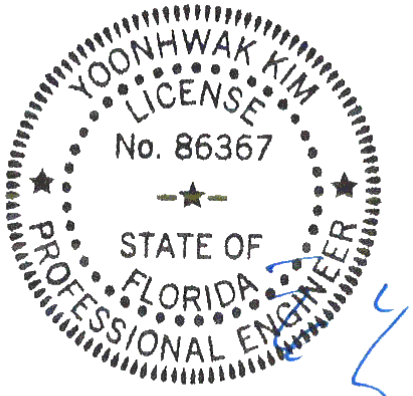
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Stub Wedge: 2x4 SP #3;

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 3-7-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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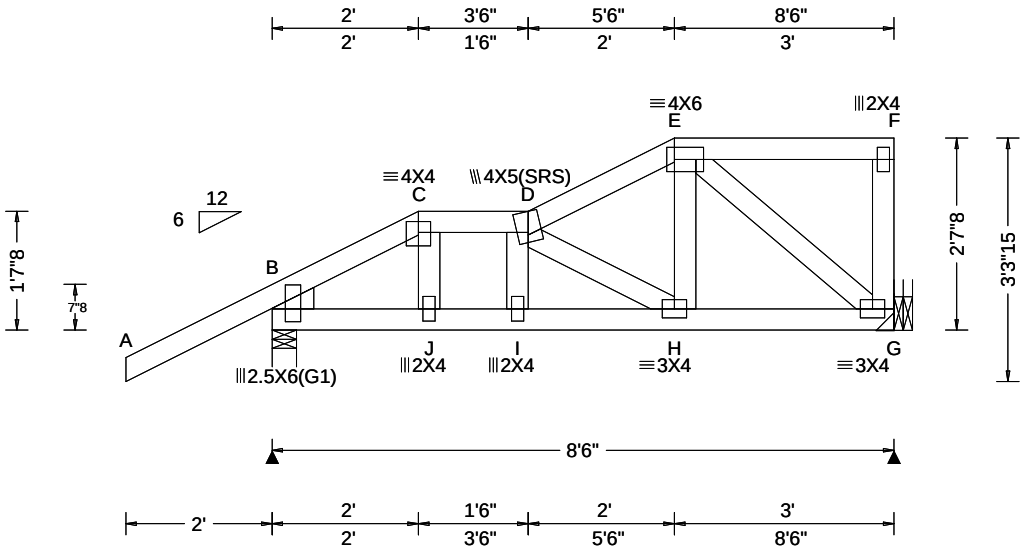
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377293 SPEC FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 20-4572 Reiter **Truss Label:** H05	Cust: R 215 JRef:1WZa2150004 T39 DrwNo: 281.20.1211.00287 / YK 10/07/2020	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.014	I	999	240
VERT(CL): 0.028	I	999	180
HORZ(LL): -0.003	F	-	-
HORZ(TL): 0.007	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.393
Max BC CSI: 0.308
Max Web CSI: 0.102

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	536	/-	/-	/-	/103	/-
G	346	/-	/-	/-	/51	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
G Brg Width = - Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	64	-546	C - D	38	-447

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - J	435	-40	I - H	458	-43
J - I	447	-38			

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Stub Wedge: 2x4 SP #3;

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

TC: From	62 plf at	-2.00 to	62 plf at	8.50
BC: From	4 plf at	-2.00 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	8.50

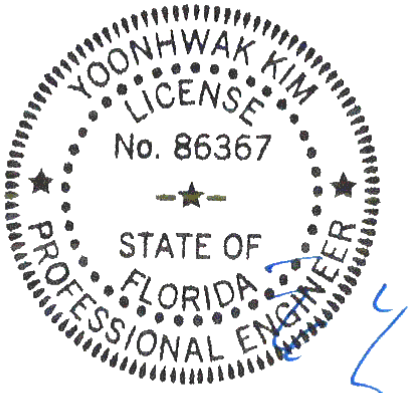
TC: 11 lb Conc. Load at 2.00
BC: 37 lb Conc. Load at 2.00

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 2-7-8.



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10/07/2020

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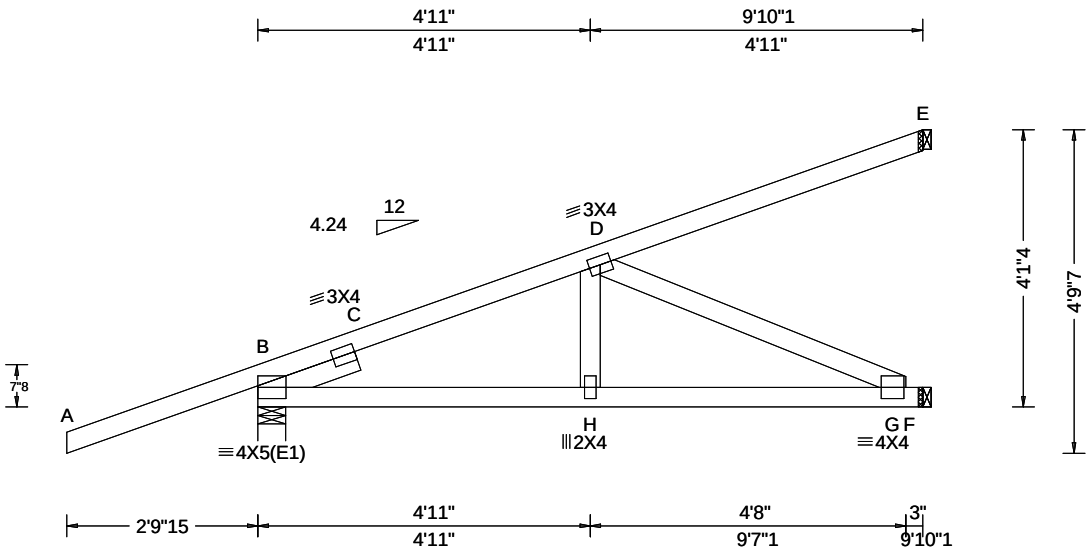
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377223 HIP_ FROM: CDM	Ply: 1 Qty: 4	**Job Number:** 20-4572 Reiter **Truss Label:** HJ1	Cust: R 215 JRef:1WZa2150004 T41 DrwNo: 281.20.1211.09620 / YK 10/07/2020



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): -0.021	C	999	240
VERT(CL): 0.035	H	999	180
HORZ(LL): -0.008	C	-	-
HORZ(TL): 0.011	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.263
Max BC CSI: 0.680
Max Web CSI: 0.346

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	383	/-	/-	/-	/256	/-
F	319	/-	/-	/-	/87	/-
E	91	/-	/-	/-	/23	/-

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.	Chords	Tens.	Comp.
B - C	265	- 658	C - D	227	- 659

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - H	605	- 225	H - G	594	- 222

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
D - G	244	- 654

Lumber

Top chord: 2x4 SP M-31;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.522'

Special Loads

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

TC: From	-0 plf at	-2.83 to	61 plf at	0.00
TC: From	2 plf at	0.00 to	2 plf at	9.84
BC: From	0 plf at	-2.83 to	4 plf at	0.00
BC: From	2 plf at	0.00 to	2 plf at	9.84

TC: -43 lb Conc. Load at 1.38
TC: 123 lb Conc. Load at 4.21
TC: 256 lb Conc. Load at 7.03
BC: -6 lb Conc. Load at 1.38
BC: 98 lb Conc. Load at 4.21
BC: 181 lb Conc. Load at 7.03

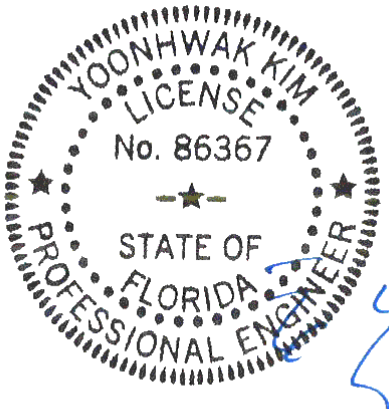
Wind

Wind loads and reactions based on MWFRS.

Additional Notes

The overall height of this truss excluding overhang is 4-1-4.

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



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10/07/2020

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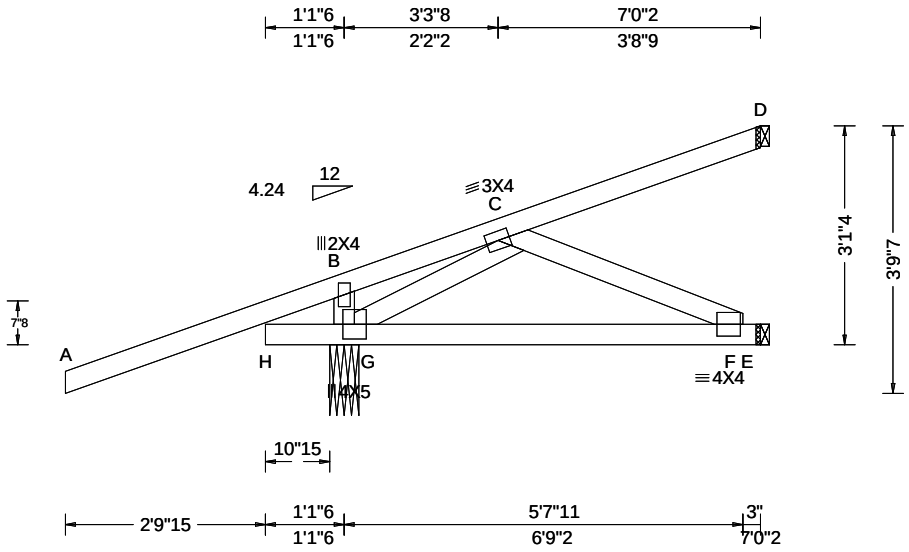
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 369047 HIP_ FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 20-4572 Reiter **Truss Label:** HJ2	Cust: R 215 JRef:1WZa2150004 T51 DrwNo: 281.20.1211.12767 / YK 10/07/2020



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): -0.004 C 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.015 F 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.002 C - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.004 C - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.481
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.331
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Varies by Ld Case	Max Web CSI: 0.122
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 4.50 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 20.01.00A.0415.10
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	380	/-	/-	/-	/227	/-
E	104	/-4	/-	/-	/71	/-
D	40	/-2	/-	/-	/41	/-

Wind reactions based on MWFRS
G Brg Width = 4.9 Min Req = 1.5
E Brg Width = 1.5 Min Req = -
D Brg Width = 1.5 Min Req = -
Bearing G 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;

Special Loads

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

TC: From	-0 plf at	-2.83 to	61 plf at	0.00
TC: From	2 plf at	0.00 to	2 plf at	7.01
BC: From	2 plf at	0.00 to	2 plf at	7.01

TC: 199 lb Conc. Load at 1.38
TC: -55 lb Conc. Load at 4.21
BC: 39 lb Conc. Load at 1.38
BC: 76 lb Conc. Load at 4.21

Wind

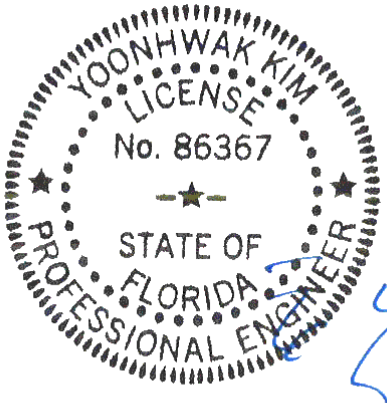
Wind loads and reactions based on MWFRS.

Left end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Additional Notes

The overall height of this truss excluding overhang is 3-1-4.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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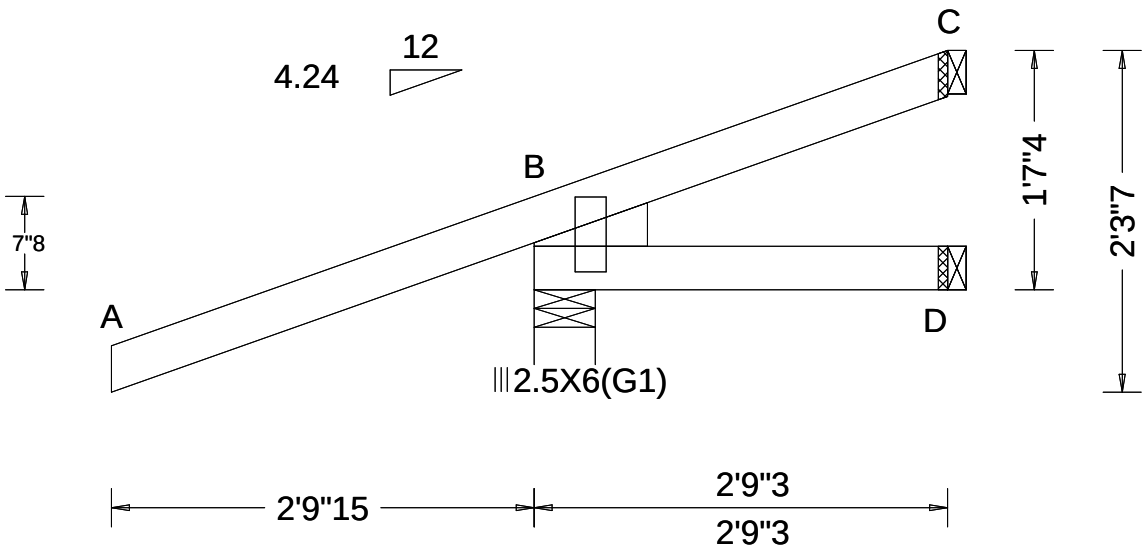
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 368843 HIP_ FROM: CDM	Ply: 1 Qty: 4	**Job Number:** 20-4572 Reiter **Truss Label:** HJ3	Cust: R 215 JRef:1WZa2150004 T67 DrwNo: 281.20.1211.14920 / YK 10/07/2020



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	NA		
VERT(CL):	NA		
HORZ(LL):	-0.001 C	-	-
HORZ(TL):	0.001 C	-	-

Creep Factor: 2.0
Max TC CSI: 0.254
Max BC CSI: 0.110
Max Web CSI: 0.000

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	193	/-	/-	/-	/44	/-
D	37	/-11	/-	/7	/-	/-
C	11	/-15	/-	/8	/-	/-

Wind reactions based on MWFRS
B Brg Width = 4.9 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

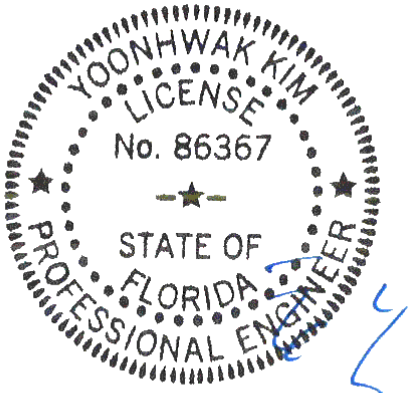
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Lt Stub Wedge: 2x4 SP #3;

Wind

Wind loads and reactions based on MWFRS.

Additional Notes

The overall height of this truss excluding overhang is 1-7-4.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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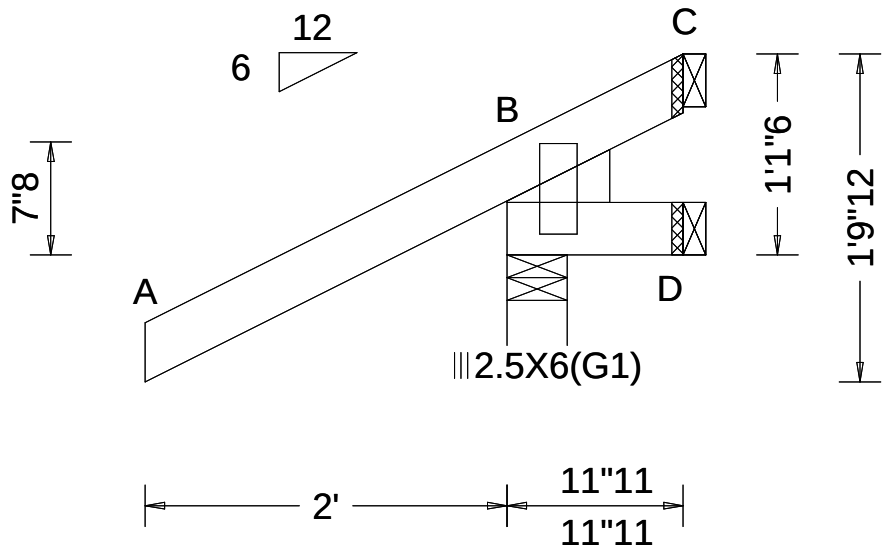
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377320 JACK FROM: CDM	Ply: 1 Qty: 8	**Job Number:** 20-4572 Reiter **Truss Label:** J01		Cust: R 215 JRef:1WZa2150004 T38 DrwNo: 281.20.1211.17010 / YK 10/07/2020



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
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: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 C - - HORZ(TL): 0.001 C - - Creep Factor: 2.0 Max TC CSI: 0.523 Max BC CSI: 0.151 Max Web CSI: 0.000 VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	311	/-	/-	/249	/92	/42
D	-	/-43	/-	/28	/39	/-
C	-	/-54	/-	/31	/55	/-

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

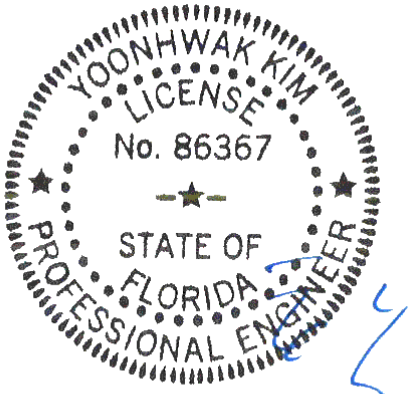
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Lt Stub Wedge: 2x4 SP #3;

Wind

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

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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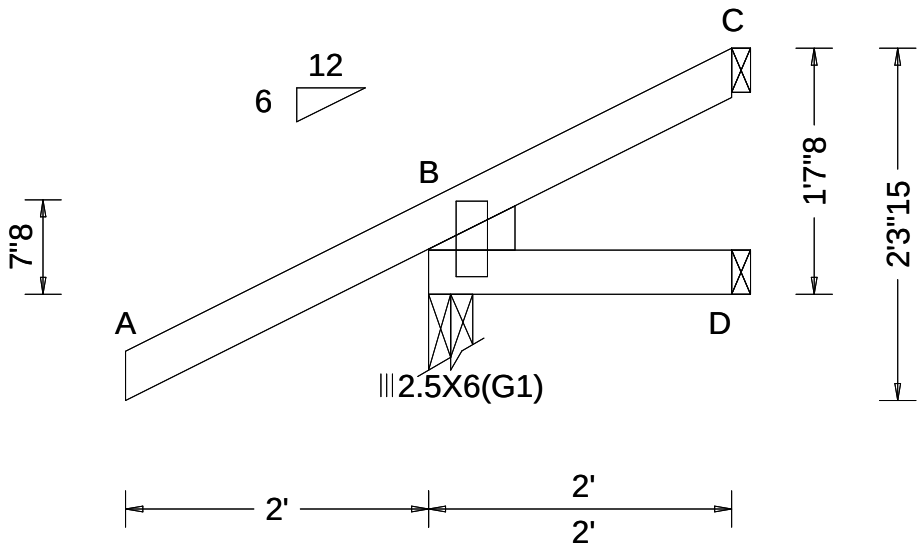
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377328 EJAC FROM: CDM	Ply: 1 Qty: 6	**Job Number:** 20-4572 Reiter **Truss Label:** J02	Cust: R 215 JRef:1WZa2150004 T70 DrwNo: 281.20.1211.18943 / YK 10/07/2020	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
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: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 C - - HORZ(TL): 0.001 C - - Creep Factor: 2.0 Max TC CSI: 0.323 Max BC CSI: 0.096 Max Web CSI: 0.000 VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	283	/-	/-	/218	/61	/56
D	27	/-5	/-	/31	/15	/-
C	21	/-	/-	/20	/13	/-

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

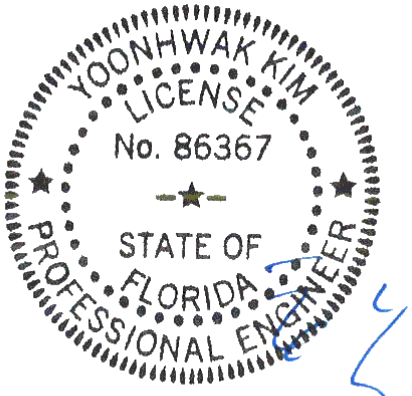
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Lt Stub Wedge: 2x4 SP #3;

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 1-7-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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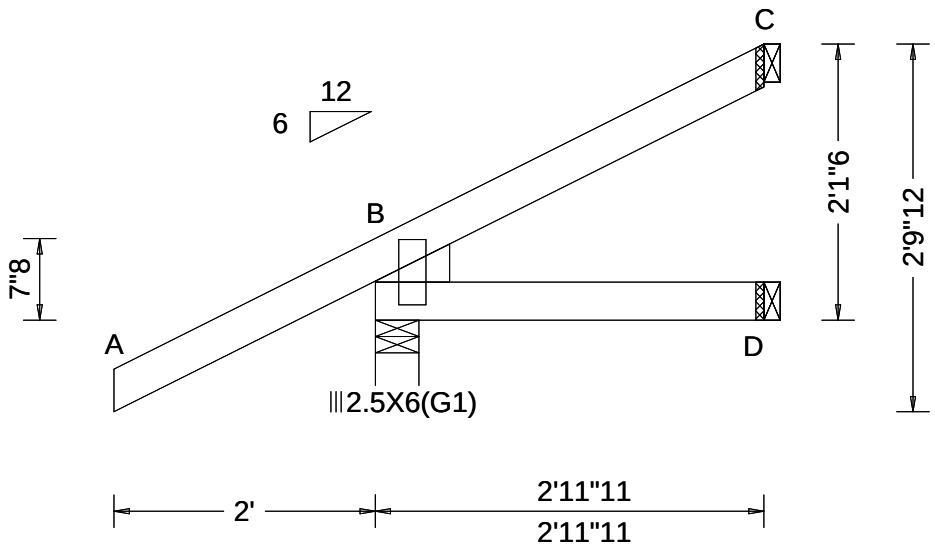
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377316 JACK FROM: CDM	Ply: 1 Qty: 8	**Job Number:** 20-4572 Reiter **Truss Label:** J03	Cust: R 215 JRef:1WZa2150004 T37 DrwNo: 281.20.1211.21240 / YK 10/07/2020



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): NA
VERT(CL): NA
HORZ(LL): 0.000 D - -
HORZ(TL): 0.001 C - -
Creep Factor: 2.0
Max TC CSI: 0.323
Max BC CSI: 0.088
Max Web CSI: 0.000

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	301	/-	/-	/225	/54	/70
D	49	/-	/-	/42	/6	/-
C	61	/-	/-	/24	/27	/-

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

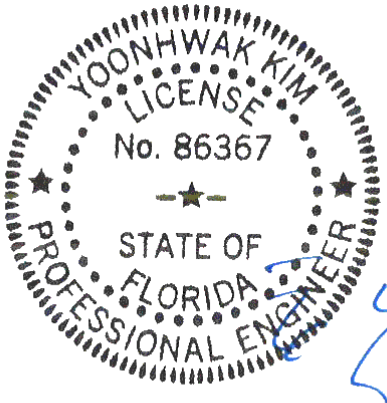
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Lt Stub Wedge: 2x4 SP #3;

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 2-1-6.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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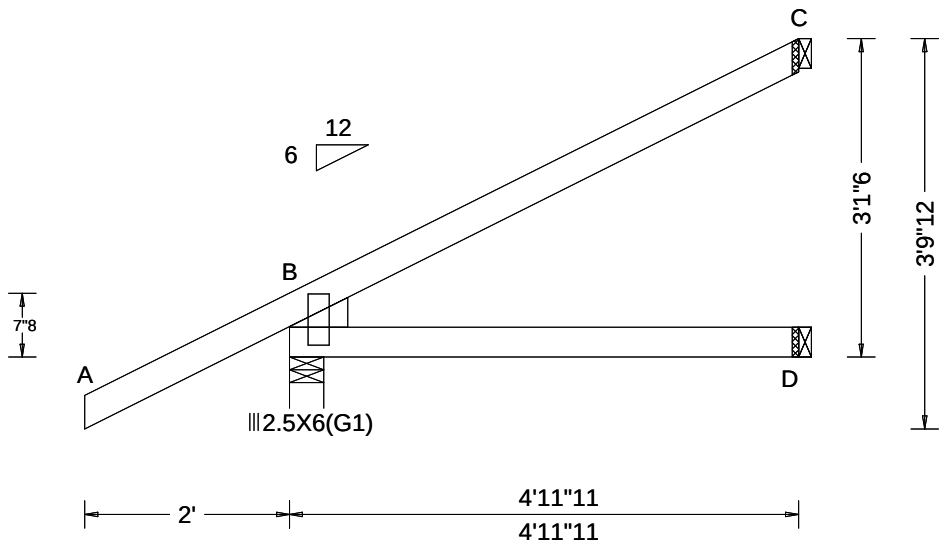
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377312 JACK FROM: CDM	Ply: 1 Qty: 8	**Job Number:** 20-4572 Reiter **Truss Label:** J05	Cust: R 215 JRef:1WZa2150004 T36 DrwNo: 281.20.1211.23113 / YK 10/07/2020	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
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: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 D - - HORZ(TL): 0.003 D - - Creep Factor: 2.0 Max TC CSI: 0.328 Max BC CSI: 0.242 Max Web CSI: 0.000 VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	365	/-	/-	/264	/56	/99
D	90	/-	/-	/65	/-	/-
C	128	/-	/-	/62	/51	/-

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

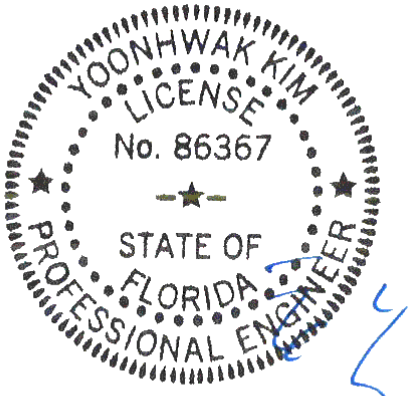
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Lt Stub Wedge: 2x4 SP #3;

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 3-1-6.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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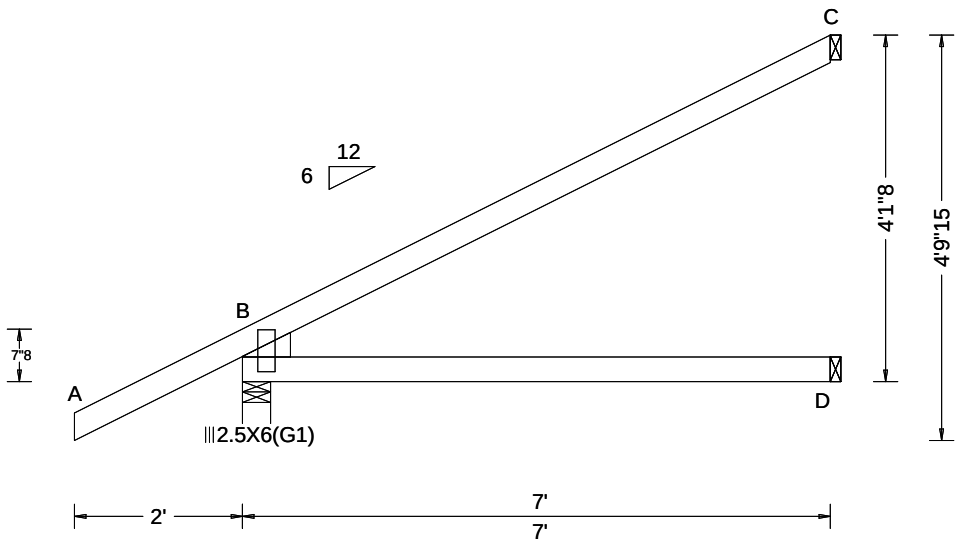
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377324 EJAC FROM: CDM	Ply: 1 Qty: 32	**Job Number:** 20-4572 Reiter **Truss Label:** J07	Cust: R 215 JRef:1WZa2150004 T40 DrwNo: 281.20.1211.25250 / YK 10/07/2020



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
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: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.005 D - - HORZ(TL): 0.010 D - - Creep Factor: 2.0 Max TC CSI: 0.739 Max BC CSI: 0.535 Max Web CSI: 0.000 VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	441	/-	/-	/312	/60	/128
D	130	/-	/-	/90	/-	/-
C	189	/-	/-	/96	/74	/-

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

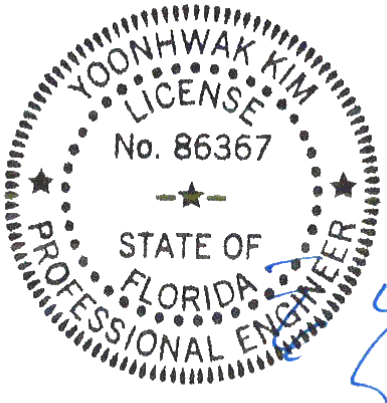
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Lt Stub Wedge: 2x4 SP #3;

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 4-1-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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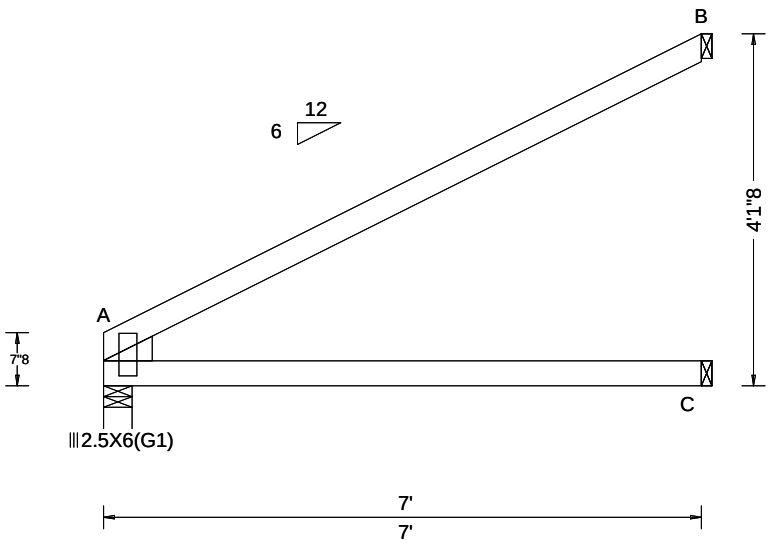
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 368927 EJAC FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** J07A	Cust: R 215 JRef:1WZa2150004 T55 DrwNo: 281.20.1211.27310 / YK 10/07/2020



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.006 C - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.013 C - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.815
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.568
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.000
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 9.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 20.01.00A.0415.10
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	288	/-	/-	/188	/-	/66
C	134	/-	/-	/97	/-	/-
B	199	/-	/-	/104	/39	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 Min Req = 1.5
C Brg Width = 1.5 Min Req = -
B Brg Width = 1.5 Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

Lumber

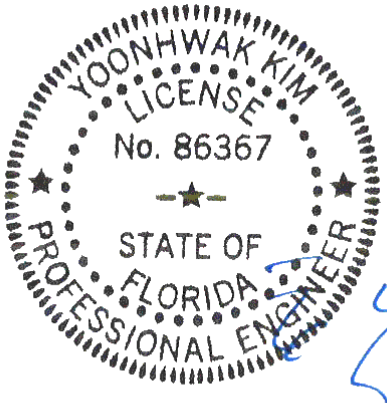
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Lt Stub Wedge: 2x4 SP #3;

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 4-1-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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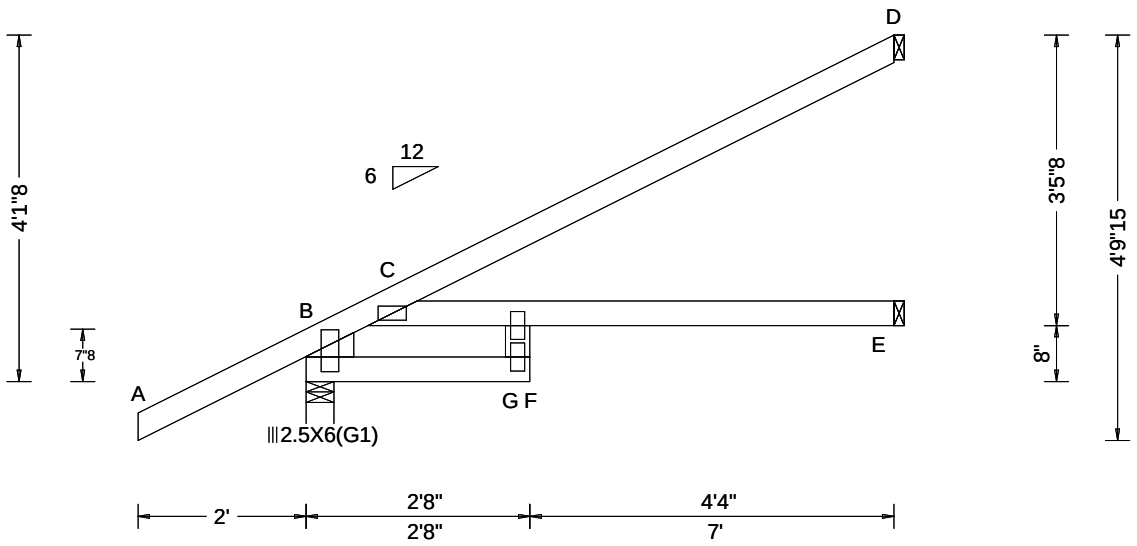
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377220 EJAC FROM: CDM	Ply: 1 Qty: 6	**Job Number:** 20-4572 Reiter **Truss Label:** J07B	Cust: R 215 JRef:1WZa2150004 T42 DrwNo: 281.20.1211.29717 / YK 10/07/2020



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.110 F 765 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.216 F 388 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.041 G - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.080 G - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.697
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.516
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.213
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 9.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 20.01.00A.0415.10
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	441	/-	/-	/312	/23	/85
E	129	/-	/-	/89	/-	/-
D	186	/-	/-	/96	/36	/-

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;
Lt Stub Wedge: 2x4 SP #3;

Plating Notes

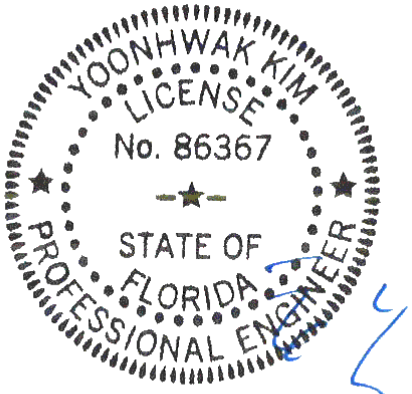
All plates are 2X4 except as noted.

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 4-1-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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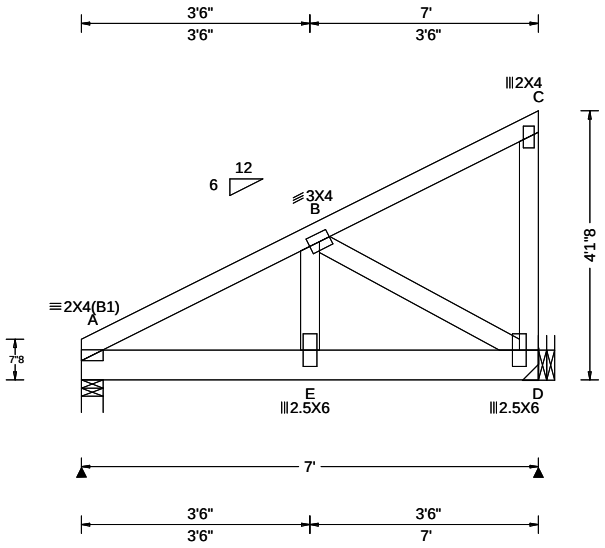
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377266 MONO FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** J07C	Cust: R 215 JRef:1WZa2150004 T58 DrwNo: 281.20.1211.31847 / YK 10/07/2020	



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.010	E	999	240
VERT(CL): 0.020	E	999	180
HORZ(LL): -0.004	C	-	-
HORZ(TL): 0.007	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.162
Max BC CSI: 0.185
Max Web CSI: 0.287

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	769	/-	/-	/-	/102	/-
D	800	/-	/-	/-	/125	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 Min Req = 1.5
D Brg Width = - Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - B	146	-968

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - E	823	-116	E - D	796	-115

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
E - B	659	-33	B - D	132	-921

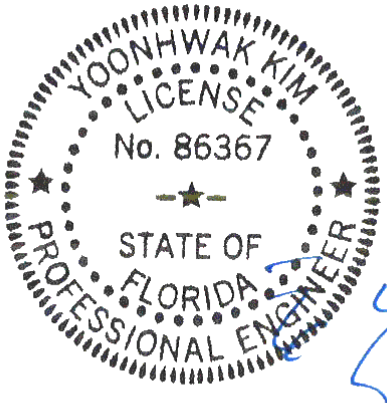
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3;

Special Loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 62 plf at 0.00 to 62 plf at 7.00
BC: From 10 plf at 0.00 to 10 plf at 7.00
BC: 361 lb Conc. Load at 1.73
BC: 351 lb Conc. Load at 3.73, 5.73

Hangers / Ties
(J) Hanger Support Required, by others

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 4-1-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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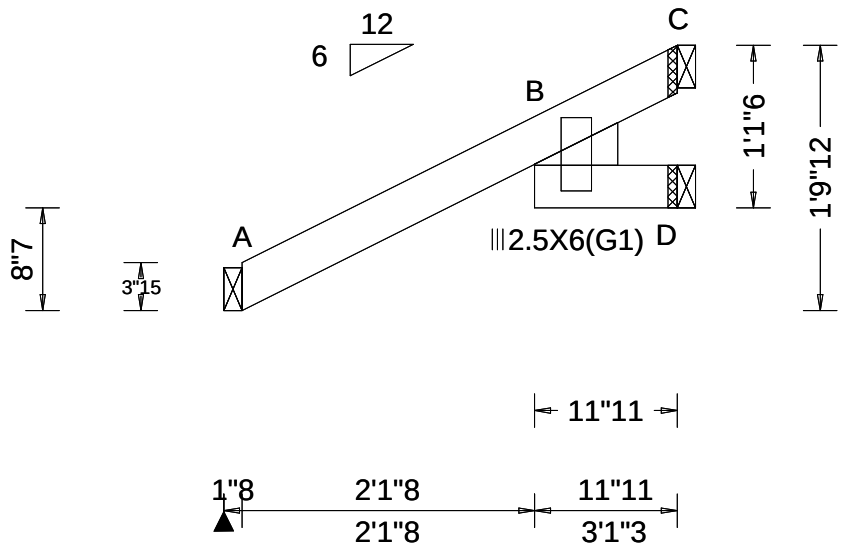
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 368957 JACK FROM: CDM	Ply: 1 Qty: 4	**Job Number:** 20-4572 Reiter **Truss Label:** J08	Cust: R 215 JRef:1WZa2150004 T49 DrwNo: 281.20.1211.34000 / YK 10/07/2020



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.010	D	999	240
VERT(CL): 0.017	D	999	180
HORZ(LL): 0.006	D	-	-
HORZ(TL): 0.010	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.211
Max BC CSI: 0.009
Max Web CSI: 0.000

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	96	/-	/-	/81	/6	/48
D	19	/-	/-	/13	/-	/-
C	99	/-	/-	/75	/34	/-

Wind reactions based on MWFRS
A Brg Width = 1.5
D Brg Width = 1.5
C Brg Width = 1.5
Members not listed have forces less than 375#

Lumber

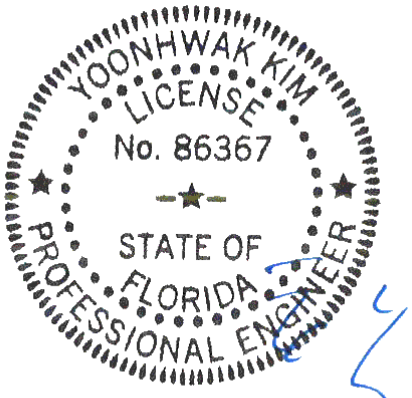
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Lt Stub Wedge: 2x4 SP #3;

Wind

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

Additional Notes

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



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10/07/2020

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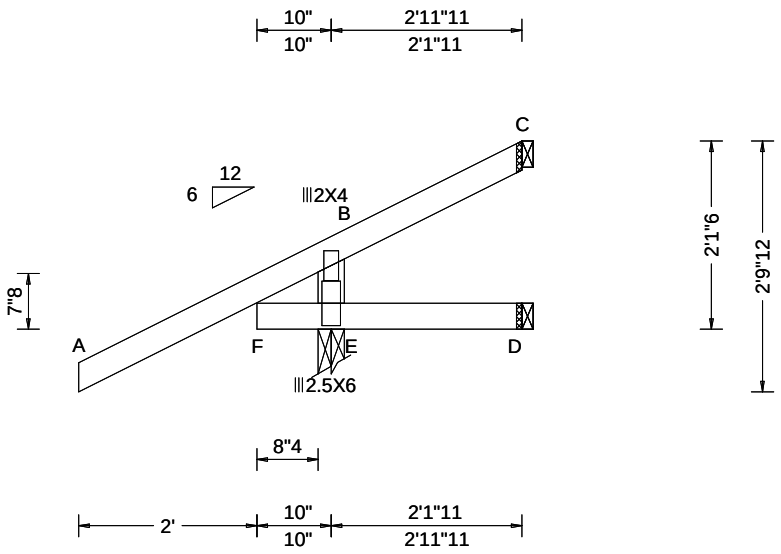
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 368978 JACK FROM: CDM	Ply: 1 Qty: 4	**Job Number:** 20-4572 Reiter **Truss Label:** J09	Cust: R 215 JRef:1WZa2150004 T48 DrwNo: 281.20.1211.36123 / YK 10/07/2020	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.000	B	999	240
VERT(CL): 0.001	B	999	180
HORZ(LL): 0.000	B	-	-
HORZ(TL): 0.001	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.749
Max BC CSI: 0.045
Max Web CSI: 0.146

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E	417	/-	/-	/399	/141	/-
D	38	/-	/-	/20	/-	/-
C	-	/-77	/-	/93	/129	/70

Wind reactions based on MWFRS
E Brg Width = 3.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing E is a rigid surface.
Members not listed have forces less than 375#

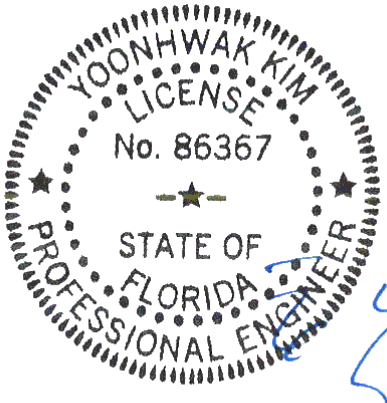
Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
B - E	490	- 387

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.
Left end vertical not exposed to wind pressure.
Left cantilever is exposed to wind

Additional Notes
The overall height of this truss excluding overhang is 2-1-6.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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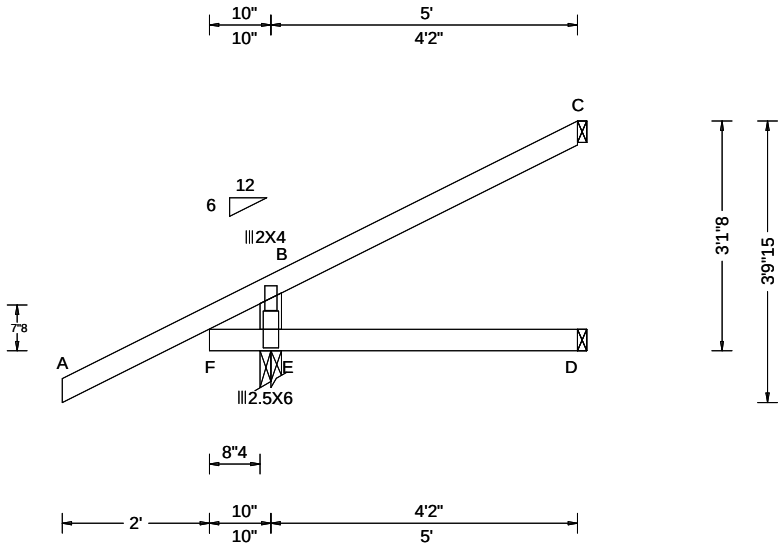
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 368969 EJAC FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 20-4572 Reiter **Truss Label:** J10	Cust: R 215 JRef:1WZa2150004 T50 DrwNo: 281.20.1211.38277 / YK 10/07/2020



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.000	B	999	240
VERT(CL): 0.001	B	999	180
HORZ(LL): -0.001	B	-	-
HORZ(TL): 0.001	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.749
Max BC CSI: 0.196
Max Web CSI: 0.126

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E	429	/-	/-	/386	/136	/-
D	80	/-	/-	/51	/-	/-
C	57	/-	/-	/75	/44	/99

Wind reactions based on MWFRS
E Brg Width = 3.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing E is a rigid surface.
Members not listed have forces less than 375#

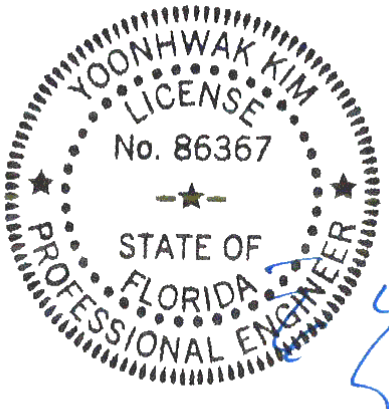
Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
B - E	424	-380

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.
Left end vertical not exposed to wind pressure.
Left cantilever is exposed to wind

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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6750 Forum Drive
Suite 305
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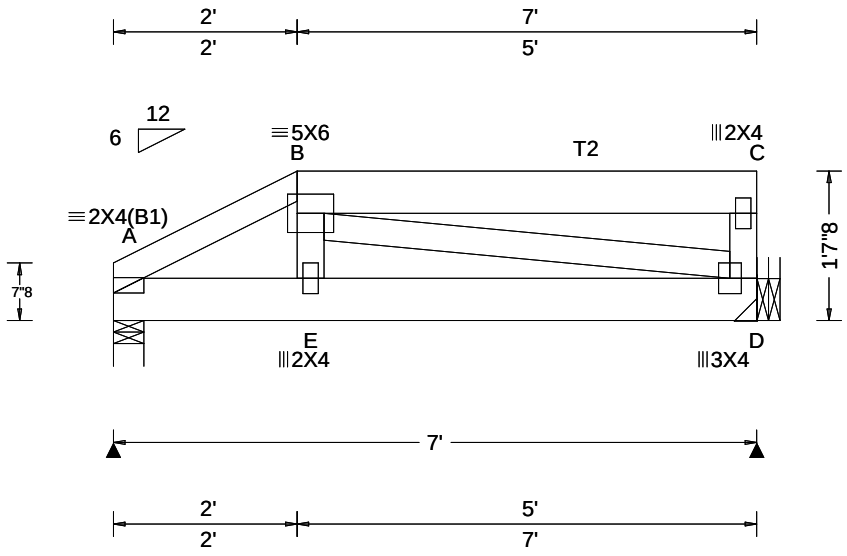
SEQN: 377290 HIPM FROM: CDM Page 1 of 2	Ply: 1 Qty: 2	**Job Number:** 20-4572 Reiter **Truss Label:** K01	Cust: R 215 JRef:1WZa2150004 T11 DrwNo: 281.20.1211.42557 / YK 10/07/2020	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.005 E	999	240
VERT(CL):	0.009 E	999	180
HORZ(LL):	0.001 C	-	-
HORZ(TL):	0.003 C	-	-

Creep Factor: 2.0
Max TC CSI: 0.069
Max BC CSI: 0.062
Max Web CSI: 0.148

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	298	/-	/-	/-	/72	/-
D	243	/-	/-	/-	/71	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 Min Req = 1.5
D Brg Width = - Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - B	90	-386

Lumber

Top chord: 2x4 SP #2; T2 2x6 SP 2400f-2.0E;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3;

Special Loads

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

TC: From	62 plf at	0.00 to	62 plf at	2.00
TC: From	31 plf at	2.00 to	31 plf at	7.00
BC: From	10 plf at	0.00 to	10 plf at	7.00

TC: 32 lb Conc. Load at 2.03
TC: 21 lb Conc. Load at 4.06, 6.06
BC: 64 lb Conc. Load at 2.03
BC: 27 lb Conc. Load at 4.06, 6.06

Purlins

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

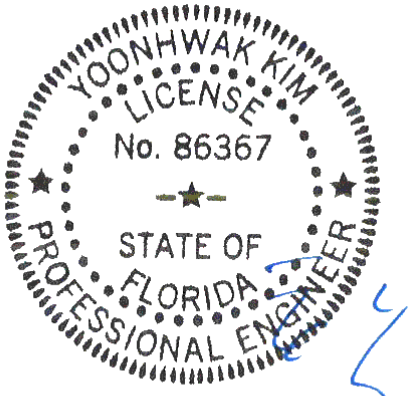
Wind

Wind loads and reactions based on MWFRS.

Right end vertical not exposed to wind pressure.

Additional Notes

The overall height of this truss excluding overhang is 1-7-8.



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10/07/2020

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Hangers / Ties

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

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

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

Bearing at location x=6'9" uses the following support conditions: 6'9"
Bearing D (6'9", 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.

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10/07/2020

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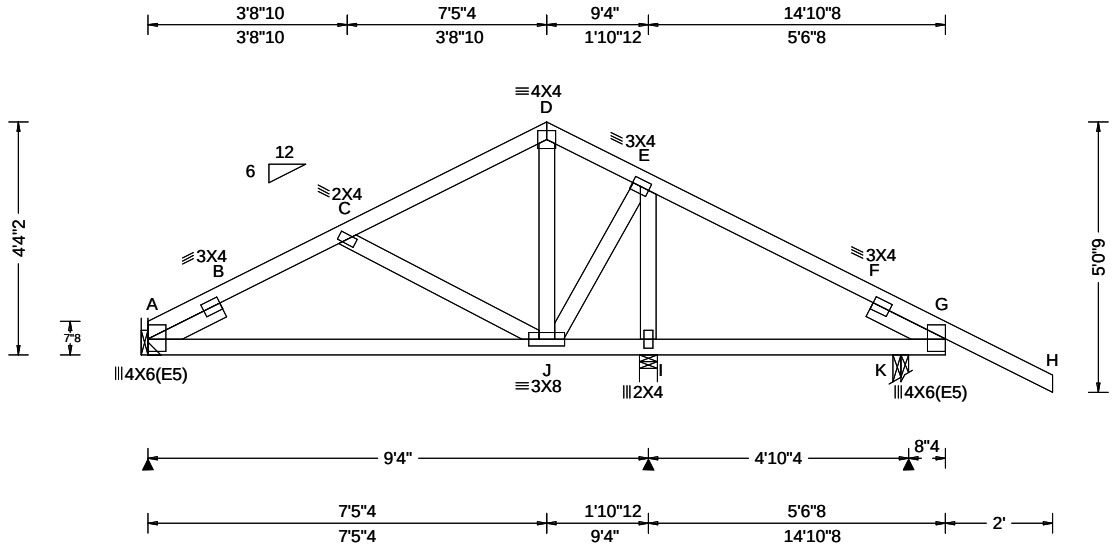
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 377263 COMN FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 20-4572 Reiter **Truss Label:** L01	Cust: R 215 JRef:1WZa2150004 T4 DrwNo: 281.20.1211.46230 / YK 10/07/2020	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.021	F	999	240
VERT(CL): 0.047	F	999	180
HORZ(LL): -0.009	F	-	-
HORZ(TL): 0.021	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.441
Max BC CSI: 0.189
Max Web CSI: 0.283

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	351	/-	/-	/233	/43	/126
I	771	/-	/-	/405	/50	/-
K	298	/-	/-	/240	/20	/-

Wind reactions based on MWFRS
A Brg Width = - Min Req = -
I Brg Width = 4.0 Min Req = 1.5
K Brg Width = 3.5 Min Req = 1.5
Bearings I & 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.
A - B	383	- 649	F - G	756	- 788
B - C	130	- 411			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
J - I	383	- 209	I - G	786	- 447

Maximum Web Forces Per Ply (lbs)

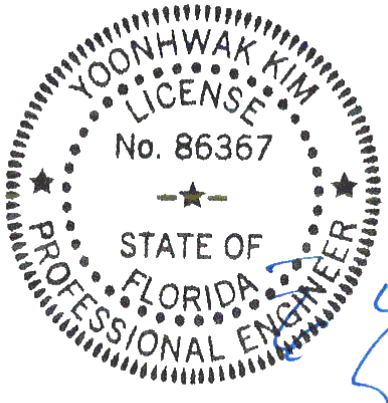
Webs	Tens.	Comp.	Webs	Tens.	Comp.
J - E	432	- 238	E - I	352	- 761

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.500'
Rt Slider: 2x4 SP #3; block length = 1.511'

Hangers / Ties
(J) Hanger Support Required, by others

Wind
Wind loads based on MWFRS with additional C&C member design.
Right cantilever is exposed to wind

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



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10/07/2020

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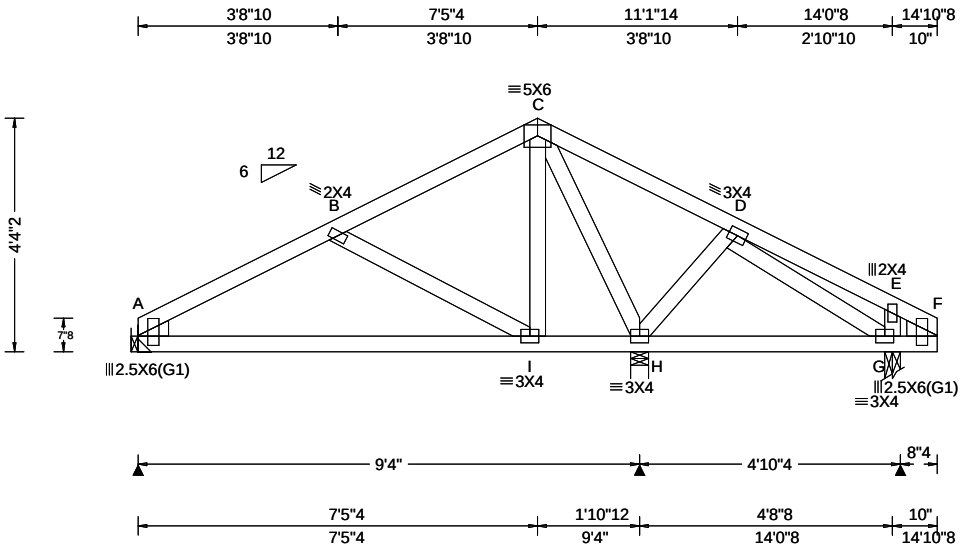
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 368900 COMN FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 20-4572 Reiter **Truss Label:** L02	Cust: R 215 JRef:1WZa2150004 T57 DrwNo: 281.20.1211.50653 / YK 10/07/2020	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.005	B	999	240
VERT(CL): 0.011	B	999	180
HORZ(LL): 0.002	E	-	-
HORZ(TL): 0.005	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.238
Max BC CSI: 0.438
Max Web CSI: 0.191

VIEW Ver: 20.01.00A.0415.10

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	361	/-	/-	/229	/6	/94
H	654	/-	/-	/312	/23	/-
G	248	/-	/-	/195	/13	/-

Wind reactions based on MWFRS
A Brg Width = - Min Req = -
H Brg Width = 4.0 Min Req = 1.5
G Brg Width = 3.5 Min Req = 1.5
Bearings H & G are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - B	145	-473

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - I	385	-84

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
C - H	126	-493

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Stub Wedge: 2x4 SP #3;Rt Stub Wedge: 2x4 SP #3;

Hangers / Ties

(J) Hanger Support Required, by others

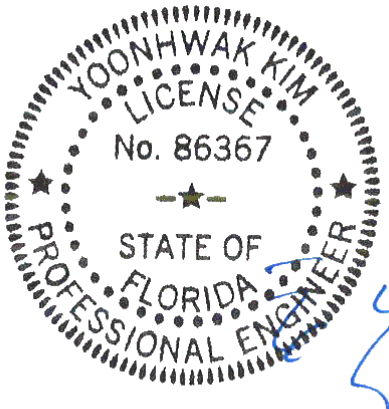
Wind

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

Right cantilever is exposed to wind

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/07/2020

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CLR Reinforcing Member Substitution

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

Notes:

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

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

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

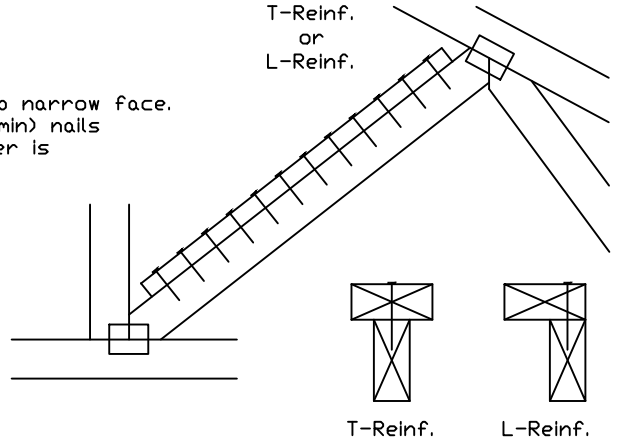
Web Member Size	Specified CLR Restraint	Alternative Reinforecement T- or L- Reinf.	Alternative Reinforecement Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(*)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(*)

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.

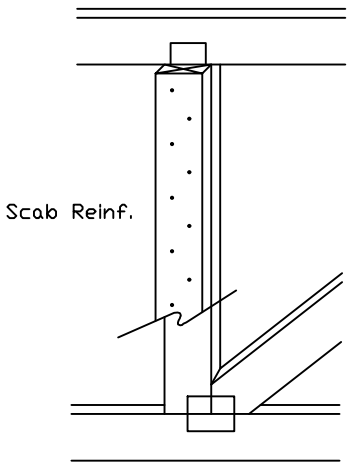
T-Reinforcement or L-Reinforcement:

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



Scab Reinforcement:

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



YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

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514 Earth City Expressway
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Earth City, MO 63045

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

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

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

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

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

TC LL		PSF
TC DL		PSF
BC DL		PSF
BC LL		PSF
TOT. LD.		PSF
DUR. FAC.		
SPACING		

REF	CLR Subst.
DATE	01/02/19
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