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ALPINE
AN ITW COMPANY

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

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Orlando, FL 32821
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Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	*Job Number:* 21-5236
Job Description: Fort White Park-Lot 32	
Address: Live Oak, FL	

Job Engineering Criteria:	
Design Code: FBC 7th Ed. 2020 Res	*IntelliVIEW Version:* 20.01.01A *JRef #:* 1X372150004
Wind Standard: ASCE 7-16 *Wind Speed (mph):* 130 *Building Type:* Closed	*Design Loading (psf):* 40.00

This package contains general notes pages, 22 truss drawing(s) and 3 detail(s).

Item	Drawing Number	Truss
1	056.21.0751.56210	A1
3	056.21.0752.00647	A11
5	056.21.0752.06767	A13
7	056.21.0752.10180	A15
9	056.21.0752.15907	A3
11	056.21.0752.20690	A5
13	056.21.0752.24430	JC4
15	056.21.0752.26893	JE7
17	056.21.0752.29263	JE8A
19	056.21.0752.32530	PBA1
21	056.21.0752.40293	PBA3
23	A14015ENC160118	
25	PB160160118	

Item	Drawing Number	Truss
2	056.21.0751.58807	A10
4	056.21.0752.04667	A12
6	056.21.0752.08203	A14
8	056.21.0752.13600	A2
10	056.21.0752.18517	A4
12	056.21.0752.23047	JC2
14	056.21.0752.25583	JC6
16	056.21.0752.28070	JE8
18	056.21.0752.30480	JH11
20	056.21.0752.34743	PBA2
22	056.21.0752.44697	PBA4
24	GBLLETIN0118	

General Notes

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

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

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

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

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

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

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

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

General Notes (continued)

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

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

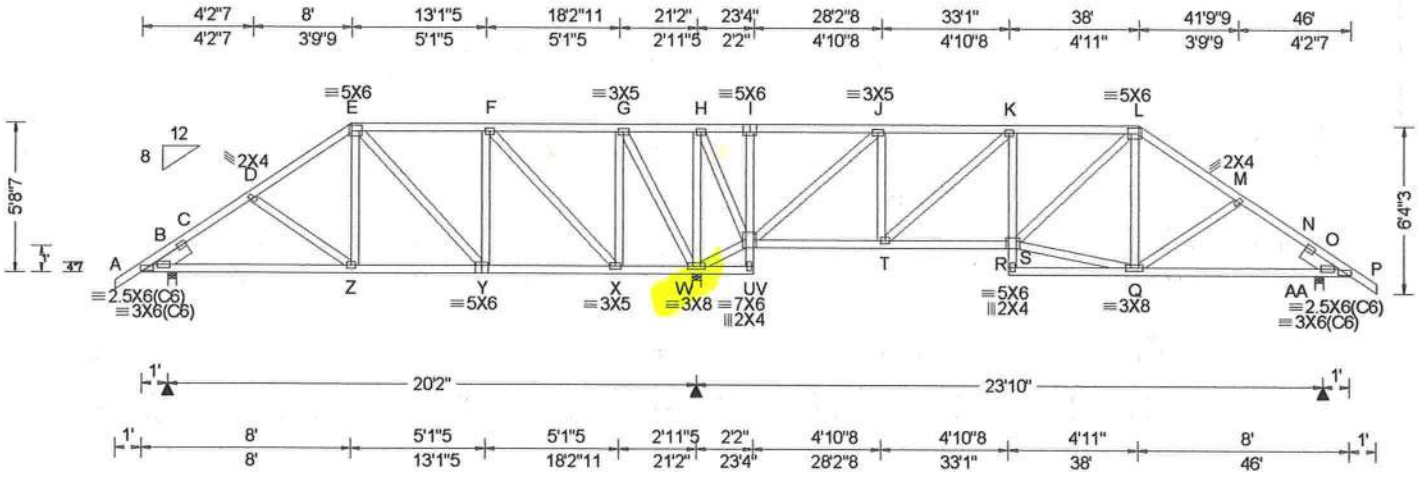
Refer to ASCE-7 for Wind and Seismic abbreviations.
Uppercase Acronyms not explained above are as defined in TPI 1.

References:

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

SEQN: 614180 HIPS FROM: CDM	Ply: 2 Qty: 1	**Job Number:** 21-5236 Fort White Park-Lot 32 **Truss Label:** A1	Cust: R 215 JRef: 1X372150004 T3 DrwNo: 056.21.0751.56210 / YK 02/25/2021	

2 Complete Trusses Required



Loading Criteria (psf)		**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**				
TCLL:	20.00	Wind Std: ASCE 7-16	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):	0.052 Q	999	240	
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL):	0.109 Q	999	240	
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL):	0.044 N	-	-	
Des Ld:	40.00	EXP: C Kzt: NA		HORZ(TL):	0.093 N	-	-	
NCBCLL:	0.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0				
Soffit:	0.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI:	0.907			
Load Duration:	1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI:	0.612			
Spacing:	24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: No	Max Web CSI:	0.696			
		C&C Dist a: 4.60 ft	FT/RT:20(0)/0(0)					
		Loc. from endwall: not in 6.50 ft	Plate Type(s):					
		GCpi: 0.18	WAVE	VIEW Ver: 20.01.01A.0724.11				
		Wind Duration: 1.25						

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity	
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
B	1086 / -	/ -	/ -	/235	/ -
W	5349 / -	/ -	/ -	/1499	/ -
AA	1514 / -	/ -	/ -	/305	/ -

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
W Brg Width = 4.0 Min Req = 2.8
AA Brg Width = 4.0 Min Req = 1.5
Bearings B, W, & AA 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	131	-536	I - J	994	-287
D - E	118	-502	K - L	163	-802
F - G	620	-149	L - M	170	-820
G - H	1271	-347	M - N	180	-829
H - I	994	-287			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - Z	378	-87	T - R	801	-163
Z - Y	405	-93	Q - O	596	-123
X - W	163	-672			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - C	144	-443	W - U	393	-1430
E - Y	54	-379	H - U	675	-138
Y - F	544	-107	U - J	373	-1525
F - X	299	-1046	J - T	736	-151
X - G	971	-265	T - K	217	-742
G - W	401	-1305	R - Q	670	-132
W - H	160	-670	N - O	177	-632

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x6 SP 2400f-2.0E; block length = 1.500'
Rt Slider: 2x6 SP 2400f-2.0E; 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	64 plf at	-1.00 to	64 plf at	8.00	
TC: From	32 plf at	8.00 to	32 plf at	38.00	
TC: From	64 plf at	38.00 to	64 plf at	47.00	
BC: From	20 plf at	0.00 to	20 plf at	8.03	
BC: From	10 plf at	8.03 to	10 plf at	37.97	
BC: From	20 plf at	37.97 to	20 plf at	46.00	

TC: 112 lb Conc. Load at 8.06,10.06,12.06,14.06 16.06,18.06,20.06,22.06,33.94,35.94,37.94
TC: 141 lb Conc. Load at 23.94,25.94,27.94,29.94 31.94
BC: 453 lb Conc. Load at 8.03,37.97
BC: 170 lb Conc. Load at 10.06,12.06,14.06,16.06 18.06,20.06,22.06,33.94,35.94
BC: 148 lb Conc. Load at 23.94,25.94,27.94,29.94 31.94

Plating Notes

All plates are 3X4 except as noted.

Wind

Wind loads and reactions based on MWFRS.
Left and right cantilevers are exposed to wind
Wind loading based on both gable and hip roof types.

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 assembly is 5-8-7.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
02/25/2021

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

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Alpine, 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 AN ITW COMPANY
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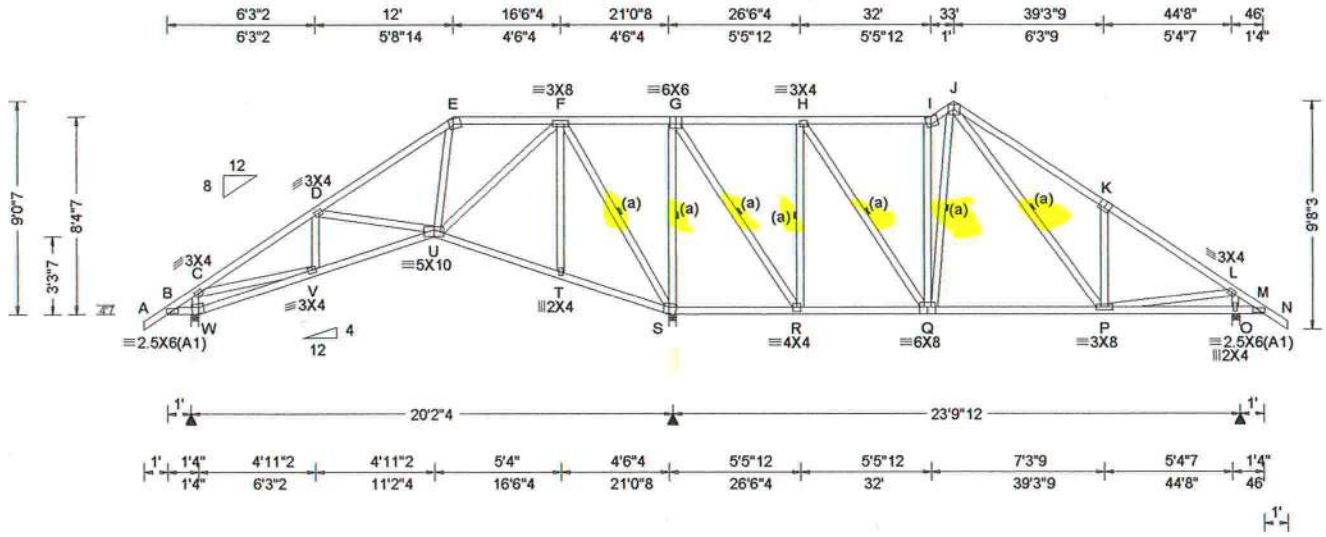
Orlando FL, 32821

SEQN: 614206 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 21-5236 Fort White Park-Lot 32 **Truss Label:** A10		Cust: R 215 JRef: 1X372150004 T2 DrwNo: 056.21.0751.58807 / YK 02/25/2021	



Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL:	20.00	Wind Std: ASCE 7-16	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): 0.041 I 999 240
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.084 I 999 240
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.017 O - -
Des Ld:	40.00	EXP: C Kzt: NA		HORZ(TL): 0.036 S - -
NCBCLL:	10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit:	0.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.499
Load Duration:	1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.585
Spacing:	24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.816
		C&C Dist a: 4.60 ft	FT/RT:20(0)/0(0)	
		Loc. from endwall: not in 13.00 ft	Plate Type(s):	VIEW Ver: 20.01.01A.0724.11
		GCpi: 0.18	WAVE	
		Wind Duration: 1.25		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
W	753	/-	/-	/494	/14	/296
S	2629	/-	/-	/1345	/265	/-
O	1117	/-	/-	/728	/86	/-

Wind reactions based on MWFRS
W Brg Width = 4.0 Min Req = 1.5
S Brg Width = 3.5 Min Req = 3.1
O Brg Width = 4.0 Min Req = 1.5
Bearings W, S, & O 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	186	-922	I - J	360	-695
D - E	151	-505	J - K	443	-1211
F - G	732	-39	K - L	265	-1193
H - I	310	-614			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
V - U	775	-308	Q - P	593	0
S - R	275	-678			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - W	217	-631	R - H	351	-984
C - V	799	-149	H - Q	733	-96
D - U	204	-411	Q - I	280	-468
U - F	716	-150	J - P	584	-211
F - S	250	-985	P - K	253	-390
S - G	484	-1504	P - L	882	-160
G - R	1389	-349	L - O	311	-1053

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 1x4 "T" reinforcement. 80% length of web member. Same species & SRB grade or better, attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Plating Notes

All plates are 5X6 except as noted.

Loading

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

Wind

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

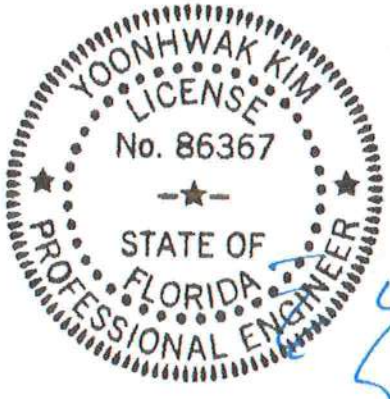
Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

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 9-0-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/25/2021

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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
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6750 Forum Drive
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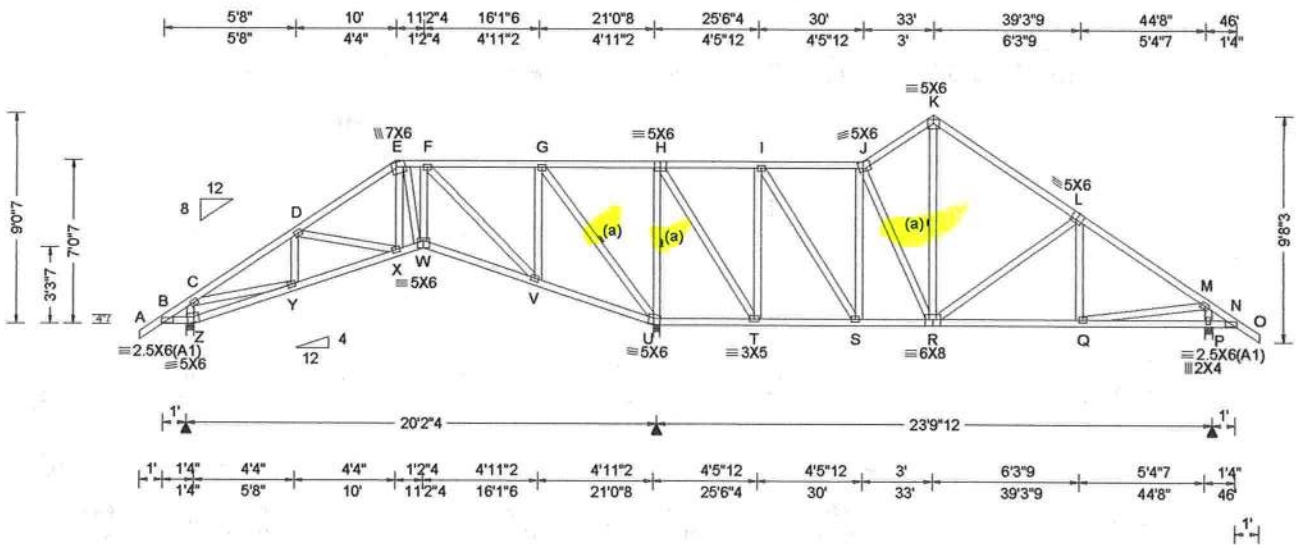
SEQN: 614202 HIPS	Ply: 1	**Job Number:** 21-5236	Cust: R 215 JRef: 1X372150004 T4
FROM: CDM	Qty: 1	Fort White Park-Lot 32	DrwNo: 056.21.0752.00647
		Truss Label: A11	/ YK 02/25/2021



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.60 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.25

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 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/0(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.029	X	999	240
VERT(CL): 0.066	X	999	240
HORZ(LL): 0.024	P	-	-
HORZ(TL): 0.054	U	-	-

Creep Factor: 2.0
Max TC CSI: 0.541
Max BC CSI: 0.434
Max Web CSI: 0.828

VIEW Ver: 20.01.01A.0724.11

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Z	781	/-	/-	/493	/13	/296
U	2346	/-	/-	/1311	/158	/-
P	1012	/-	/-	/714	/49	/-

Wind reactions based on MWFRS
Z Brg Width = 4.0 Min Req = 1.5
U Brg Width = 3.5 Min Req = 2.8
P Brg Width = 4.0 Min Req = 1.5
Bearings Z, U, & P 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	198	-954	I - J	264	-457
D - E	198	-685	J - K	294	-608
E - F	206	-497	K - L	272	-692
G - H	812	-65	L - M	231	-1012

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
Y - X	790	-305	U - T	311	-755
X - W	530	-214	S - R	478	-11
W - V	520	-220	R - Q	767	-56

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - Z	219	-659	H - T	1190	-336
C - Y	853	-172	T - I	335	-937
W - F	450	-123	I - S	755	-157
F - V	155	-817	S - J	166	-585
V - G	520	-23	R - L	169	-385
G - U	317	-1052	Q - M	712	-130
U - H	482	-1322	M - P	292	-913

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

Bracing
(a) Continuous lateral restraint equally spaced on member. Or 1x4 "T" reinforcement. 80% length of web member. Same species & SRB grade or better, attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Plating Notes
All plates are 3X4 except as noted.

Wind
Wind loads based on MWFRS with additional C&C member design.
Left and right cantilevers are exposed to wind
Wind loading based on both gable and hip roof types.

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 9-0-7.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
02/25/2021

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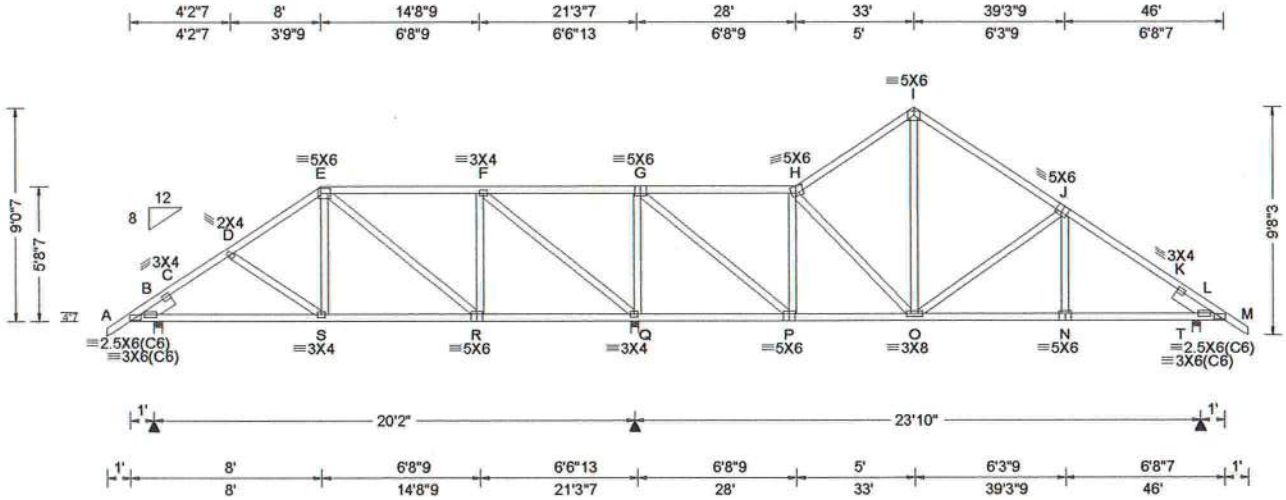
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 614182 HIPS	Ply: 2	**Job Number:** 21-5236	Cust: R 215 JRef: 1X372150004 T1
FROM: CDM	Qty: 1	Fort White Park-Lot 32	DrwNo: 056.21.0752.04667
		Truss Label: A12	/ YK 02/25/2021

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:	0.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.60 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.25

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 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/0(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.040	S	999	240
VERT(CL): 0.087	S	999	240
HORZ(LL): -0.028	C	-	-
HORZ(TL): 0.062	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.819
Max BC CSI: 0.701
Max Web CSI: 0.874

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1351	/-	/-	/-	/313	/-
Q	3705	/-	/-	/-	/886	/-
T	822	/-	/-	/-	/108	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
Q Brg Width = 4.0 Min Req = 1.8
T Brg Width = 4.0 Min Req = 1.5
Bearings B, Q, & T 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	186	- 721	F - G	795	- 192
D - E	179	- 709			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - S	512	- 126	Q - P	181	- 752
S - R	586	- 148			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - C	185	- 583	Q - G	205	- 794
R - F	566	- 107	G - P	774	- 137
F - Q	400	- 1351	P - H	122	- 470

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x6 SP 2400f-2.0E; block length = 1.500'
Rt Slider: 2x6 SP 2400f-2.0E; block length = 1.848'

Nailnote

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

Special Loads

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

TC: From	64 plf at	-1.00 to	64 plf at	8.00
TC: From	32 plf at	8.00 to	32 plf at	21.43
TC: From	64 plf at	21.43 to	64 plf at	47.00
BC: From	20 plf at	0.00 to	20 plf at	8.03
BC: From	10 plf at	8.03 to	10 plf at	20.06
BC: From	20 plf at	20.06 to	20 plf at	46.00

TC: 112 lb Conc. Load at 8.06,10.06,12.06,14.06 16.06,18.06
TC: 200 lb Conc. Load at 20.06
BC: 453 lb Conc. Load at 8.03
BC: 170 lb Conc. Load at 10.06,12.06,14.06,16.06 18.06
BC: 132 lb Conc. Load at 20.06

Wind

Wind loads and reactions based on MWFRS.
Left and right cantilevers are exposed to wind
Wind loading based on both gable and hip roof types.

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 9-0-7.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
02/25/2021

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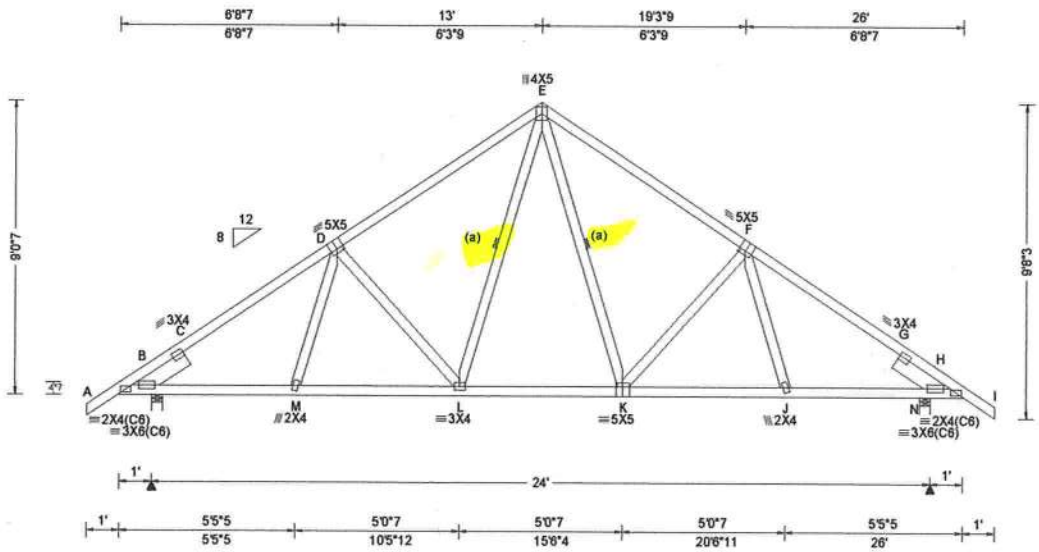
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 614165 COMN FROM: CDM	Ply: 1 Qty: 3	**Job Number:** 21-5236 Fort White Park-Lot 32 **Truss Label:** A13	Cust: R 215 JRef: 1X372150004 T11 DrwNo: 056.21.0752.06767 / YK 02/25/2021	



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.25

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 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/0(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.090	L	999	240
VERT(CL): 0.177	L	999	240
HORZ(LL): 0.070	G	-	-
HORZ(TL): 0.139	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.801
Max BC CSI: 0.528
Max Web CSI: 0.139

VIEW Ver: 20.01.01A.0724.11

▲ Maximum Reactions (lbs)

		Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh		/ Rw	/ U	/ RL
B	1213	/-	/-		/727	/181	/275
N	1213	/-	/-		/727	/181	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 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	0	-621	E - F	411	-1120
C - D	338	-1251	F - G	338	-1251
D - E	411	-1121	G - H	0	-621

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - M	952	-125	K - J	973	-141
M - L	973	-131	J - H	953	-123
L - K	751	-18			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - C	374	-798	G - H	374	-799

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3;
Lt Slider: 2x6 SP 2400f-2.0E; block length = 1.835'
Rt Slider: 2x6 SP 2400f-2.0E; block length = 1.835'

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 1x4 "T" reinforcement. 80% length of web member. Same species & SRB grade or better, attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Loading

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

Wind

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

Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

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

FL REG# 278, Yoonhwak Kim, FL PE #86367
02/25/2021

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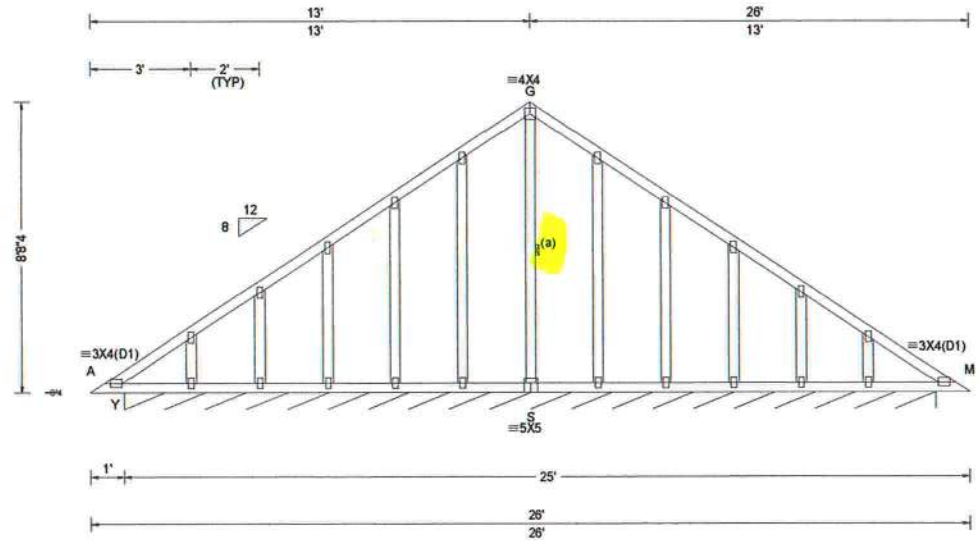
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 614154 GABL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 21-5236 Fort White Park-Lot 32 **Truss Label:** A14	Cust: R 215 JRef: 1X372150004 T5 DrwNo: 056.21.0752.08203 / YK 02/25/2021	



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: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.25	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/0(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.005 N 999 240 VERT(CL): 0.011 N 999 240 HORZ(LL): 0.005 I - - HORZ(TL): 0.008 I - - Creep Factor: 2.0 Max TC CSI: 0.144 Max BC CSI: 0.169 Max Web CSI: 0.143 VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Y*	91	/-	/-	/49	/13	/10

Wind reactions based on MWFRS
Y Brg Width = 288 Min Req = -
Bearing Y 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;

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 1x4 "T" reinforcement. 80% length of web member. Same species & SRB grade or better, attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Plating Notes

All plates are 2X4 except as noted.

Wind

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

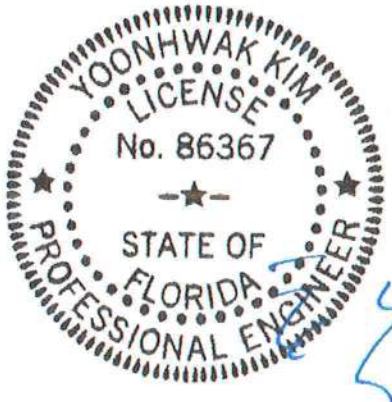
Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

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

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/25/2021

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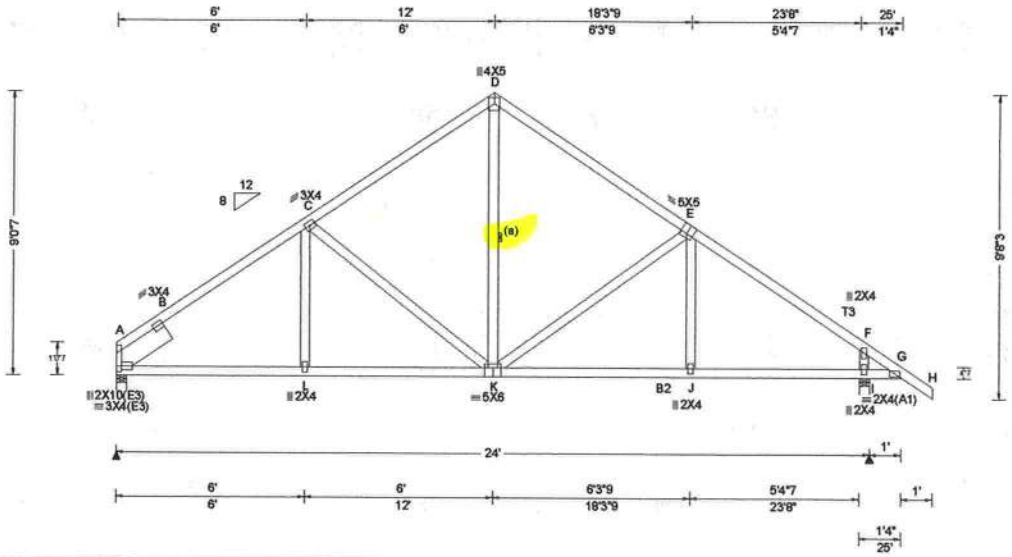
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 614196 COMN FROM: CDM	Ply: 1 Qty: 4	**Job Number:** 21-5236 Fort White Park-Lot 32 **Truss Label:** A15	Cust: R 215 JRef: 1X372150004 T12 DrwNo: 056.21.0752.10180 / YK 02/25/2021	



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.25

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 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/0(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.084	E	999	240
VERT(CL): 0.175	E	999	240
HORZ(LL): 0.061	F	-	-
HORZ(TL): 0.128	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.525
Max BC CSI: 0.545
Max Web CSI: 0.382

VIEW Ver: 20.01.01A.0724.11

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	998	/-	/-	/582	/155	/254
I	1171	/-	/-	/734	/184	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	232	- 1354	D - E	274	- 959
B - C	255	- 1277	E - F	241	- 1249
C - D	279	- 957	F - G	103	- 986

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - L	986	- 108	J - I	929	- 67
L - K	983	- 108	I - G	985	- 89
K - J	929	- 68			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - K	549	- 138	I - F	229	- 647

Lumber

Top chord: 2x4 SP #2; T3 2x4 SP M-31;
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;
Webs: 2x4 SP #3;
Lt Slider: 2x8 SP #2; block length = 1.979'

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 1x4 "T" reinforcement. 80% length of web member. Same species & SRB grade or better, attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Wind

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

Right cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

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

FL REG# 278, Yoonhwak Kim, FL PE #86367
02/25/2021

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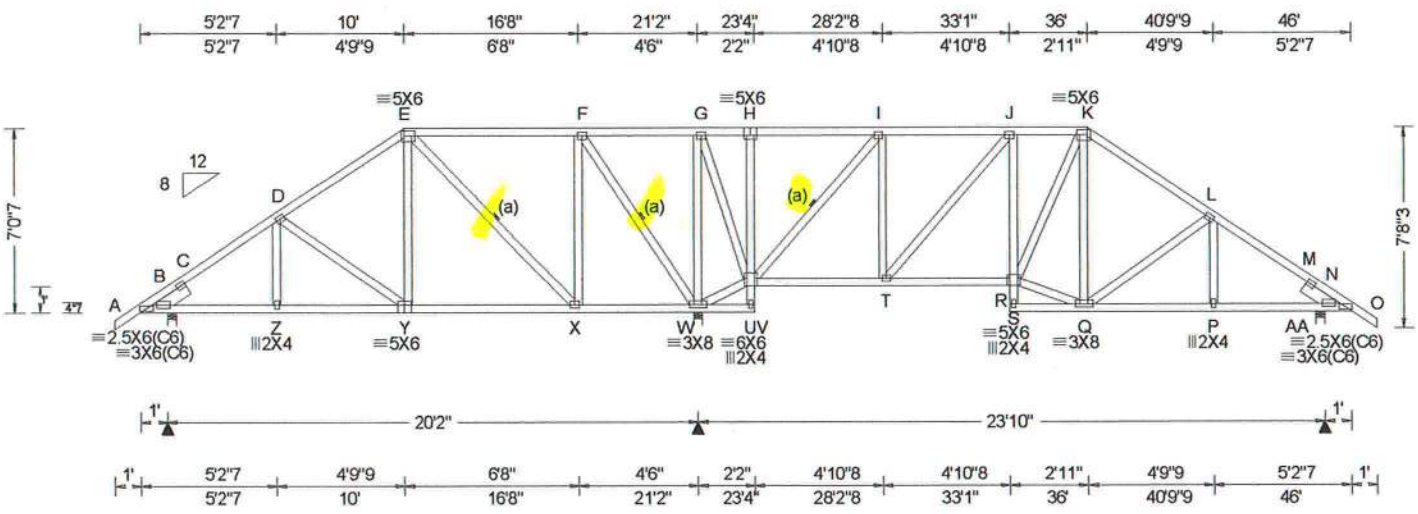
Suite 305
Orlando FL, 32821

SEQN: 614177 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 21-5236 Fort White Park-Lot 32 **Truss Label:** A2		Cust: R 215 JRef: 1X372150004 T8 DrwNo: 056.21.0752.13600 / YK 02/25/2021	



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

Wind Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 4.60 ft
Loc. from endwall: not in 6.50 ft
GCpi: 0.18
Wind Duration: 1.25

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 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/0(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.049	L	999	240
VERT(CL): 0.109	L	999	240
HORZ(LL): 0.044	M	-	-
HORZ(TL): 0.096	M	-	-

Creep Factor: 2.0
Max TC CSI: 0.789
Max BC CSI: 0.823
Max Web CSI: 0.724

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	785	/-	/-	/482	/117	/236
W	2594	/-	/-	/1303	/414	/-
AA	894	/-	/-	/625	/152	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
W Brg Width = 4.0 Min Req = 2.7
AA Brg Width = 4.0 Min Req = 1.5
Bearings B, W, & AA 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	154	-649	H - I	935	-110
D - E	196	-488	J - K	304	-491
E - F	434	0	K - L	296	-640
F - G	1144	-166	L - M	242	-806
G - H	936	-110			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - Z	458	-204	T - R	488	-23
Z - Y	458	-205	Q - P	584	-72
X - W	260	-459	P - N	584	-71

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - C	214	-537	G - U	685	-160
E - X	200	-828	U - I	433	-1283
X - F	737	-80	I - T	621	-86
F - W	438	-1361	T - J	188	-660
W - G	233	-737	R - Q	510	-8
W - U	505	-1295	M - N	242	-600

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 1x4 "T" reinforcement. 80% length of web member. Same species & SRB grade or better, attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Plating Notes

All plates are 3X4 except as noted.

Loading

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

Wind

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

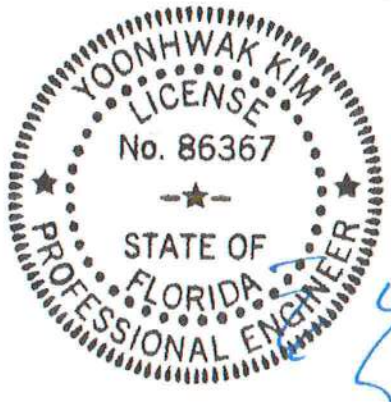
Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

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 7-0-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/25/2021

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

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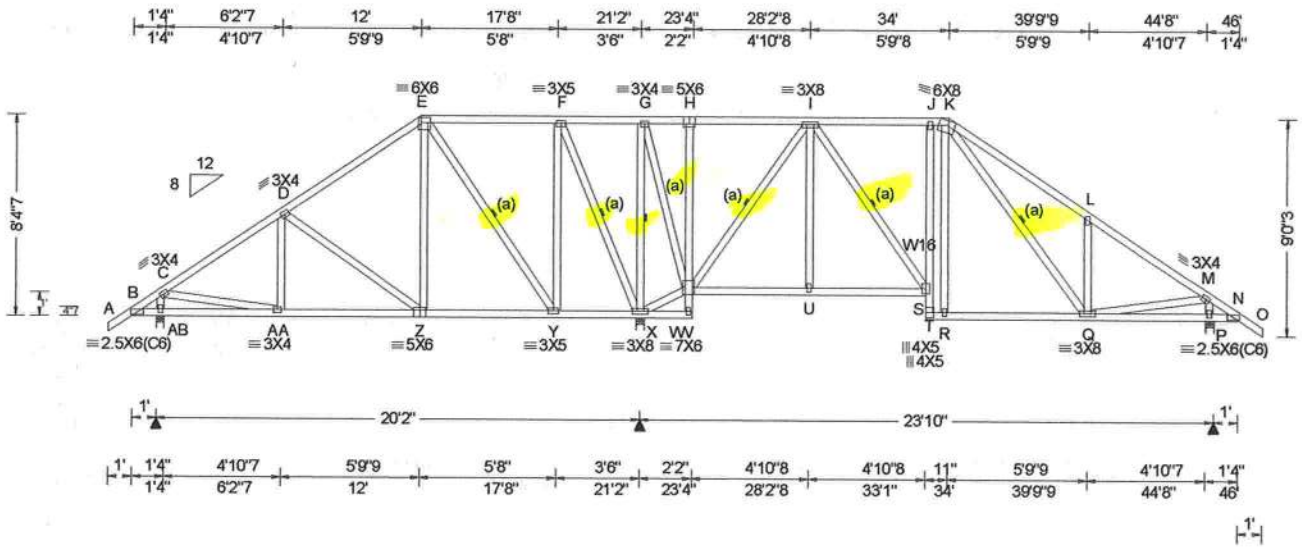
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 614211 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 21-5236 Fort White Park-Lot 32 **Truss Label:** A3	Cust: R 215 JRef: 1X372150004 T9 DrwNo: 056.21.0752.15907 / YK 02/25/2021	



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 4.60 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.25

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 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/0(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.084	R	999	240
VERT(CL): 0.163	R	999	240
HORZ(LL): 0.071	Q	-	-
HORZ(TL): 0.136	P	-	-

Creep Factor: 2.0
Max TC CSI: 0.621
Max BC CSI: 0.472
Max Web CSI: 0.886

VIEW Ver: 20.01.01A.0724.11

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
AB	764	/-	/-	/470	/163	/276
X	2928	/-	/-	/1364	/322	/-
P	897	/-	/-	/663	/190	/-

Wind reactions based on MWFRS
AB Brg Width = 4.0 Min Req = 1.5
X Brg Width = 4.0 Min Req = 3.1
P Brg Width = 4.0 Min Req = 1.5
Bearings AB, X, & P 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	221	-646	H - I	924	0
E - F	724	0	K - L	436	-906
F - G	1161	-5	L - M	272	-871
G - H	925	0			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AA - Z	469	-217	Y - X	221	-752

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AB - C	284	-669	X - V	369	-1319
C - AA	463	-139	G - V	854	-208
D - Z	153	-375	V - I	342	-1466
E - Z	429	-33	I - S	719	-91
E - Y	167	-991	K - Q	565	-187
Y - F	938	-86	Q - L	235	-389
F - X	327	-1376	Q - M	678	-186
X - G	253	-918	M - P	313	-831

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W16 2x4 SP M-31;

Bracing
(a) Continuous lateral restraint equally spaced on member. Or 1x4 "T" reinforcement. 80% length of web member. Same species & SRB grade or better, attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Plating Notes
All plates are 2X4 except as noted.

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

Wind
Wind loads based on MWFRS with additional C&C member design.
Left and right cantilevers are exposed to wind
Wind loading based on both gable and hip roof types.

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 8-4-7.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
02/25/2021

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

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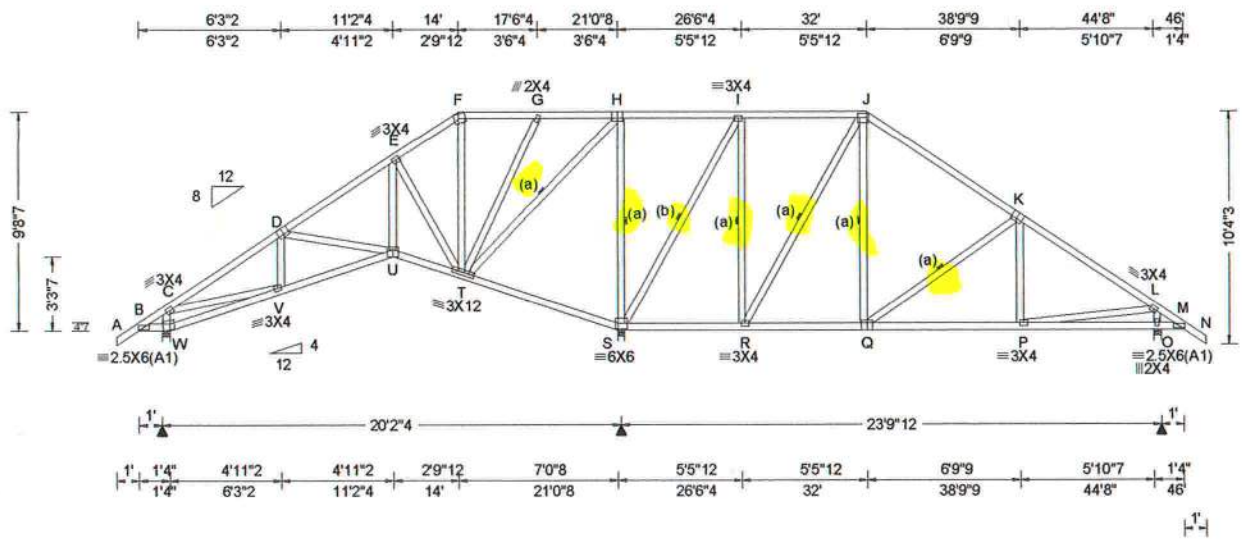
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 614204 HIPS FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 21-5236 Fort White Park-Lot 32 **Truss Label:** A4	Cust: R 215 JRef: 1X372150004 T23 DrwNo: 056.21.0752.18517 / YK 02/25/2021	



Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria				
TCLL:	20.00	Wind Std: ASCE 7-16	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):	0.030 Q	999	240	
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL):	0.062 Q	999	240	
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL):	0.024 O	-	-	
Des Ld:	40.00	EXP: C Kzt: NA		HORZ(TL):	0.048 O	-	-	
NCBCLL:	10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0				
Soffit:	0.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI:	0.582			
Load Duration:	1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI:	0.476			
Spacing:	24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI:	0.989			
		C&C Dist a: 4.60 ft	FT/RT:20(0)/0(0)					
		Loc. from endwall: not in 13.00 ft	Plate Type(s):					
		GCpi: 0.18	WAVE	VIEW Ver: 20.01.01A.0724.11				
		Wind Duration: 1.25						

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
W	728	/-	/-	/461	/9	/316
S	2604	/-	/-	/1437	/140	/-
O	1058	/-	/-	/743	/104	/-

Wind reactions based on MWFRS
W Brg Width = 4.0 Min Req = 1.5
S Brg Width = 3.5 Min Req = 3.1
O Brg Width = 4.0 Min Req = 1.5
Bearings W, S, & O 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	137	-858	J - K	311	-722
D - E	104	-439	K - L	270	-1080
H - I	671	-57			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
V - U	733	-306	R - Q	497	0
U - T	418	-240	Q - P	816	-74
T - S	322	-733			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - W	202	-616	S - I	364	-1364
C - V	730	-96	I - R	832	-49
D - U	181	-395	R - J	116	-683
U - E	471	-142	J - Q	449	-45
E - T	205	-584	Q - K	183	-422
T - H	1013	-230	P - L	716	-137
H - S	376	-1027	L - O	324	-947

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 1x4 "T" reinforcement. 80% length of web member. Same species & SRB grade or better, attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

(b) Continuous lateral restraint equally spaced on member. Or 2x4 "T" reinforcement. 80% length of web member. Same species & grade or better, attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

Plating Notes

All plates are 5X6 except as noted.

Loading

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

Wind

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

Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

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 9-8-7.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
02/25/2021

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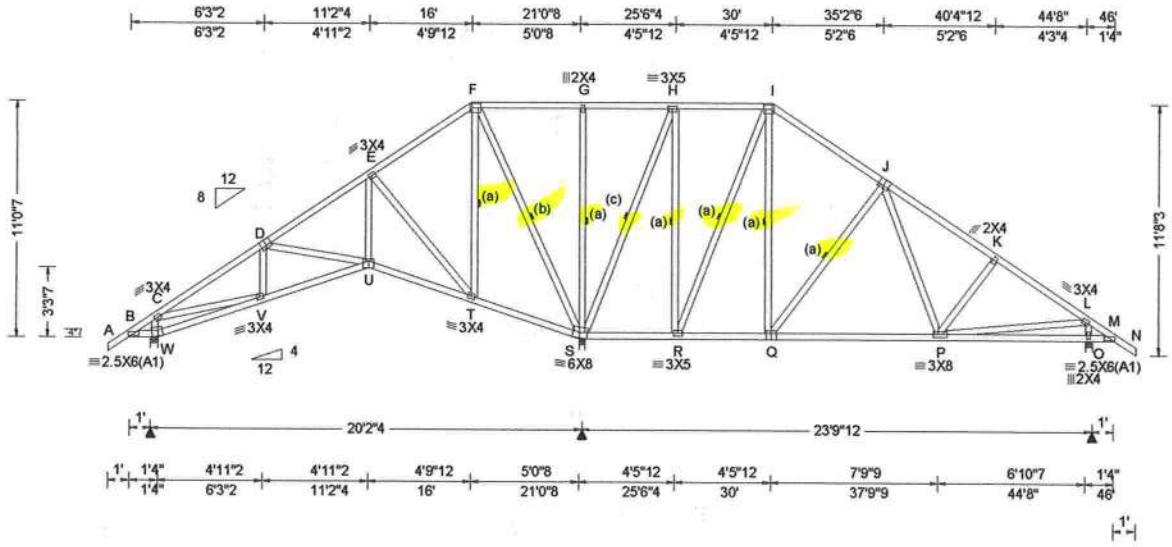
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 614213 HIPS FROM: CDM	Ply: 1 Qty: 12	**Job Number:** 21-5236 Fort White Park-Lot 32 **Truss Label:** A5	Cust: R 215 JRef: 1X372150004 T13 DrwNo: 056.21.0752.20690 / YK 02/25/2021	



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.60 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.25

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 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/0(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.039	Q	999	240
VERT(CL): 0.077	Q	999	240
HORZ(LL): 0.024	L	-	-
HORZ(TL): 0.048	L	-	-

Creep Factor: 2.0
Max TC CSI: 0.563
Max BC CSI: 0.621
Max Web CSI: 0.980

VIEW Ver: 20.01.01A.0724.11

▲ Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
W	687 /-	/-	/419	/12	/356
S	2729 /-	/-	/1538	/50	/-
O	1100 /-	/-	/752	/129	/-

Wind reactions based on MWFRS
W Brg Width = 4.0 Min Req = 1.5
S Brg Width = 3.5 Min Req = 3.2
O Brg Width = 4.0 Min Req = 1.5
Bearings W, S, & O 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	105	-758	I - J	295	-561
F - G	666	-66	J - K	291	-1055
G - H	661	-66	K - L	259	-1211

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
W - V	272	-389	R - Q	384	-30
V - U	714	-332	Q - P	683	-50
U - T	426	-280			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - W	188	-577	H - R	1015	-83
C - V	637	-58	R - I	131	-921
D - U	174	-389	I - Q	697	-106
U - E	497	-142	Q - J	212	-525
E - T	231	-641	J - P	390	-40
T - F	466	-78	P - L	916	-207
F - S	147	-959	L - O	309	-1002
S - H	318	-1374			

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 1x4 "T" reinforcement. 80% length of web member. Same species & SRB grade or better, attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

(b) Continuous lateral restraint equally spaced on member. Or 2x4 "T" reinforcement. 80% length of web member. Same species & grade or better, attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

(c) Continuous lateral restraint equally spaced on member. Or 2x6 "T" reinforcement. 80% length of web member. Same species & grade or better, attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

Plating Notes

All plates are 5X6 except as noted.

Loading

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

Wind

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

Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

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 11-0-7.

FL REG# 278, Yoonhwak Kim, FL PE #86367
02/25/2021

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ALPINE
AN ITW COMPANY
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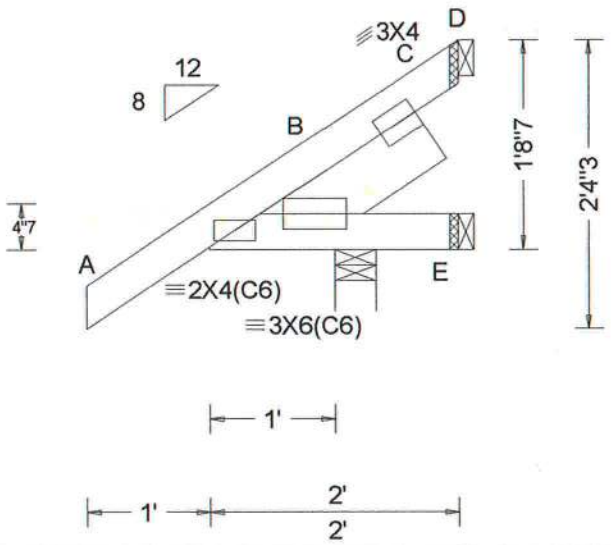
Suite 305
Orlando FL, 32821

SEQN: 614157 JACK FROM: CDM	Ply: 1 Qty: 6	**Job Number:** 21-5236 Fort White Park-Lot 32 **Truss Label:** JC2	Cust: R 215 JRef: 1X372150004 T24 DrwNo: 056.21.0752.23047 / YK 02/25/2021



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.25

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 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/0(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.005	E	999	240
VERT(CL): 0.011	E	999	240
HORZ(LL): -0.004	C	-	-
HORZ(TL): 0.009	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.175
Max BC CSI: 0.145
Max Web CSI: 0.024

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	394	/-	/-	/341	/65	/64
E	-	/-49	/-	/21	/47	/-
D	-	/-130	/-	/37	/113	/-

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;
Rt Slider: 2x6 SP 2400f-2.0E; block length = 1.500'

Wind

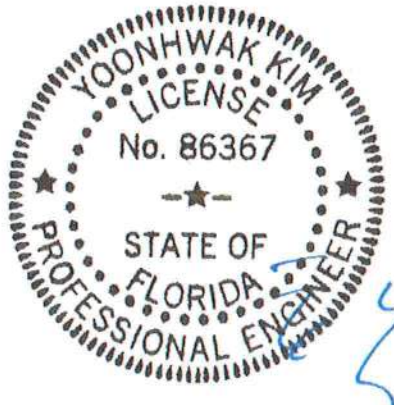
Wind loads based on MWFRS with additional C&C member design.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/25/2021

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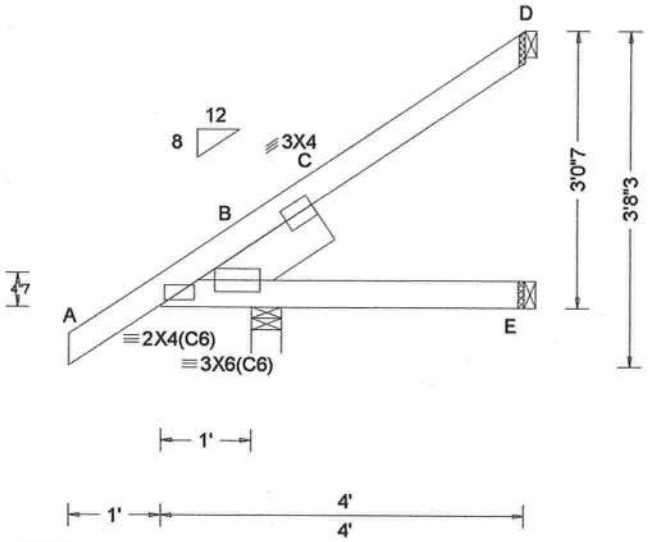
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 614167 JACK FROM: CDM	Ply: 1 Qty: 6	**Job Number:** 21-5236 Fort White Park-Lot 32 **Truss Label:** JC4	Cust: R 215 JRef: 1X372150004 T18 DrwNo: 056.21.0752.24430 / YK 02/25/2021	



Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL:	20.00	Wind Std: ASCE 7-16	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): 0.009 E 999 240
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.023 E 613 240
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.009 C - -
Des Ld:	40.00	EXP: C Kzt: NA		HORZ(TL): 0.021 C - -
NCBCLL:	10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit:	0.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.192
Load Duration:	1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.176
Spacing:	24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.018
		C&C Dist a: 3.00 ft	FT/RT:20(0)/0(0)	
		Loc. from endwall: not in 4.50 ft	Plate Type(s):	
		GCpi: 0.18	WAVE	VIEW Ver: 20.01.01A.0724.11
		Wind Duration: 1.25		

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	339	/-	/-	/262	/11	/112
E	42	/-	/-	/31	/3	/-
D	69	/-	/-	/38	/54	/-

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

Lumber

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

Wind

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

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 3-0-7.

YOONHWAK KIM
LICENSE
No. 86367
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
02/25/2021

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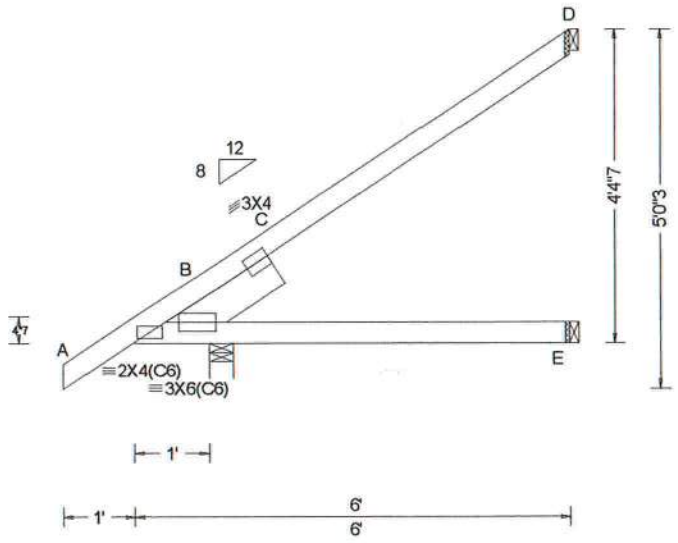
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 614163 JACK FROM: CDM	Ply: 1 Qty: 6	**Job Number:** 21-5236 Fort White Park-Lot 32 **Truss Label:** JC6	Cust: R 215 JRef: 1X372150004 T25 DrwNo: 056.21.0752.25583 / YK 02/25/2021



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.25

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 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/0(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.032	E	431	240
VERT(CL): -0.048	E	999	240
HORZ(LL): -0.035	C	-	-
HORZ(TL): 0.052	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.540
Max BC CSI: 0.493
Max Web CSI: 0.033

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	399	/-	/-	/293	/2	/159
E	86	/-	/-	/52	/-	/-
D	133	/-	/-	/92	/88	/-

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#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - C	237	-491

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
B - C	403	-374

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Lt Slider: 2x6 SP 2400f-2.0E; block length = 1.681'

Wind

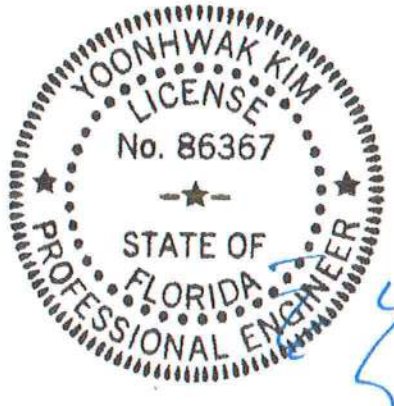
Wind loads based on MWFRS with additional C&C member design.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/25/2021

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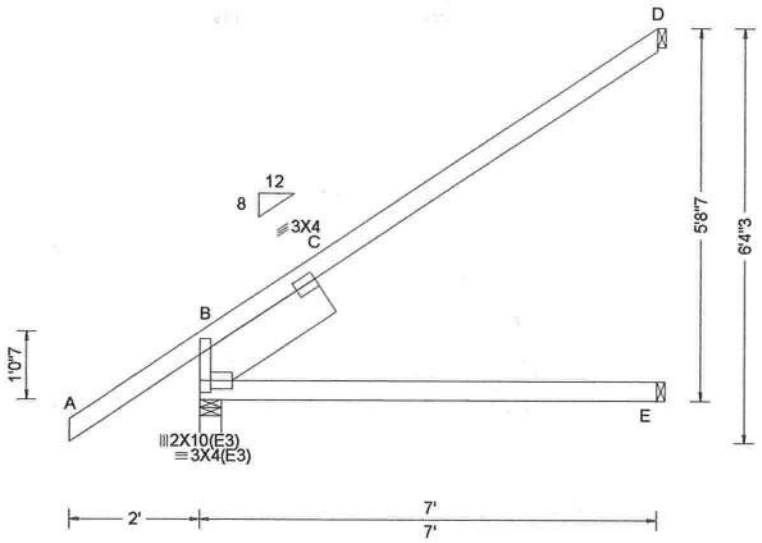
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 614162 EJAC FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 21-5236 Fort White Park-Lot 32 **Truss Label:** JE7	Cust: R 215 JRef: 1X372150004 T6 DrwNo: 056.21.0752.26893 / YK 02/25/2021



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00	Wind Std: ASCE 7-16	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): 0.097 C - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.193 C - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 0.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.433
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.543
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.064
	C&C Dist a: 3.00 ft	FT/RT:20(0)/0(0)	
	Loc. from endwall: not in 9.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 20.01.01A.0724.11
	Wind Duration: 1.25		

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	440	/-	/-	/310	/-	/145
E	132	/-	/-	/73	/-	/-
D	200	/-	/-	/149	/86	/-

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#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - C	279	-474

Lumber

Top chord: 2x4 SP M-31;
Bot chord: 2x4 SP #2;
Lt Slider: 2x8 SP #2; block length = 2.323'

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 5-8-7.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
02/25/2021

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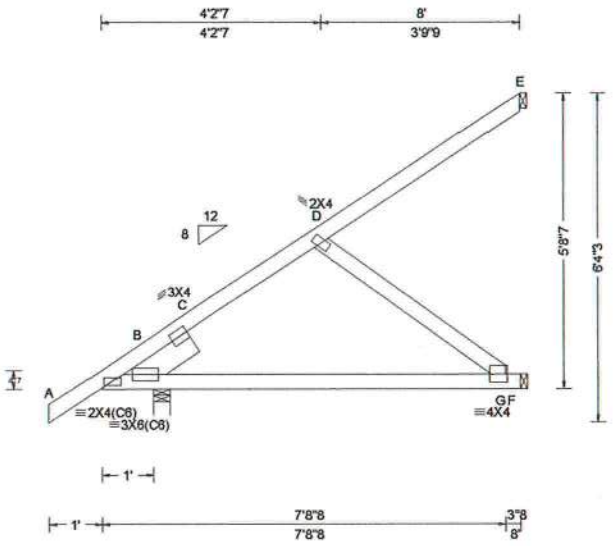
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 614155 EJAC FROM: CDM	Ply: 1 Qty: 17	**Job Number:** 21-5236 Fort White Park-Lot 32 **Truss Label:** JE8	Cust: R 215 JRef: 1X372150004 T26 DrwNo: 056.21.0752.28070 / YK 02/25/2021



Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL:	20.00	Wind Std: ASCE 7-16	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): 0.011 G 999 240
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.026 G 999 240
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.010 C - -
Des Ld:	40.00	EXP: C Kzt: NA		HORZ(TL): 0.021 C - -
NCBCLL:	10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit:	0.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.257
Load Duration:	1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.451
Spacing:	24.0 "	MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes	Max Web CSI: 0.102
		C&C Dist a: 3.00 ft	FT/RT:20(0)/0(0)	
		Loc. from endwall: not in 9.00 ft	Plate Type(s):	
		GCpi: 0.18	WAVE	VIEW Ver: 20.01.01A.0724.11
		Wind Duration: 1.25		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	473	/-	/-	/337	/-	/206
F	170	/-	/0	/135	/54	/0
E	112	/-	/-	/78	/61	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 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#

Lumber

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

Wind

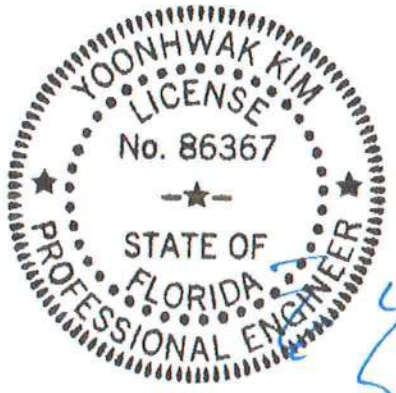
Wind loads based on MWFRS with additional C&C member design.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 5-8-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/25/2021

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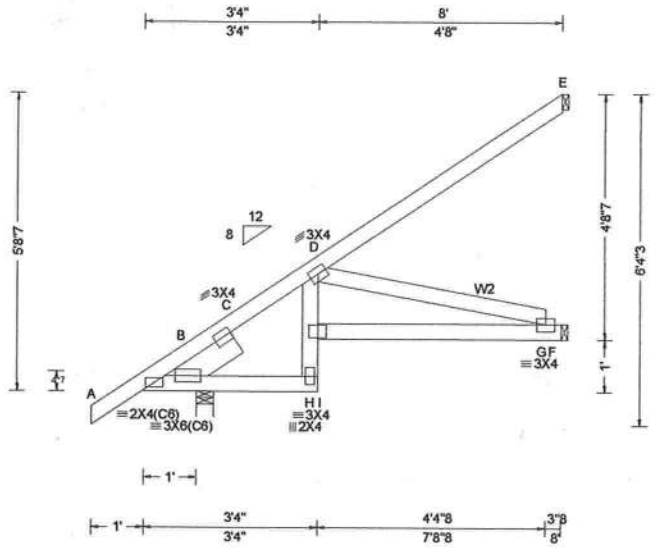
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 614156 EJAC FROM: CDM	Ply: 1 Qty: 5	**Job Number:** 21-5236 Fort White Park-Lot 32 **Truss Label:** JE8A	Cust: R 215 JRef: 1X372150004 T10 DrwNo: 056.21.0752.29263 / YK 02/25/2021



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.25

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 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/0(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.025	H	999	240
VERT(CL): 0.053	H	999	240
HORZ(LL): 0.017	G	-	-
HORZ(TL): 0.041	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.420
Max BC CSI: 0.345
Max Web CSI: 0.676

VIEW Ver: 20.01.01A.0724.11

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	473	/-	/-	/337	/-	/149
F	148	/-	/0	/111	/15	/0
E	141	/-	/-	/103	/51	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 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 Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
H - G	345	-430

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
D - G	445	-358

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #2; W2 2x4 SP #3;
Lt Slider: 2x6 SP 2400f-2.0E; block length = 1.500'

Wind

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

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 5-8-7.

YOONHWAK KIM
LICENSE
No. 86367
STATE OF FLORIDA
PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
02/25/2021

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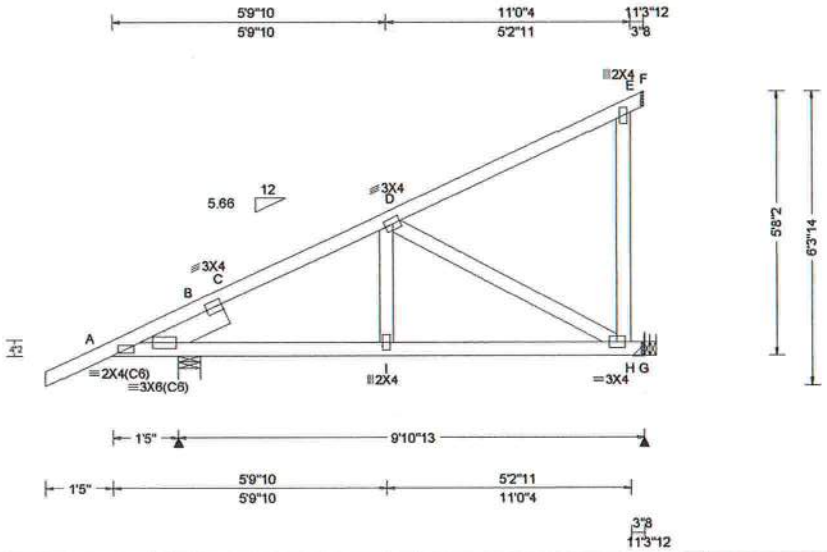
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 614178 HIP_ FROM: CDM	Ply: 1 Qty: 3	**Job Number:** 21-5236 Fort White Park-Lot 32 **Truss Label:** JH11		Cust: R 215 JRef: 1X372150004 T7 DrwNo: 056.21.0752.30480 / YK 02/25/2021



Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL:	20.00	Wind Std: ASCE 7-16	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): 0.021 I 961 240
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.067 I 296 240
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.014 C - -
Des Ld:	40.00	EXP: C Kzt: NA		HORZ(TL): 0.046 C - -
NCBCLL:	10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit:	0.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.368
Load Duration:	1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.444
Spacing:	24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.176
		C&C Dist a: 3.00 ft	FT/RT:20(0)/0(0)	
		Loc. from endwall: not in 4.50 ft	Plate Type(s):	
		GCpi: 0.18	WAVE	VIEW Ver: 20.01.01A.0724.11
		Wind Duration: 1.25		

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	450	/-	/-	/-	/8	/-
G	284	/-	/-	/13	/-	/-

Wind reactions based on MWFRS
B Brg Width = 5.7 Min Req = 1.5
G Brg Width = - Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x6 SP 2400f-2.0E; block length = 1.945'

Wind

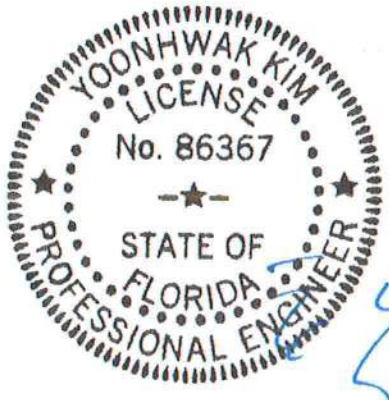
Wind loads and reactions based on MWFRS.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 5-8-2.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/25/2021

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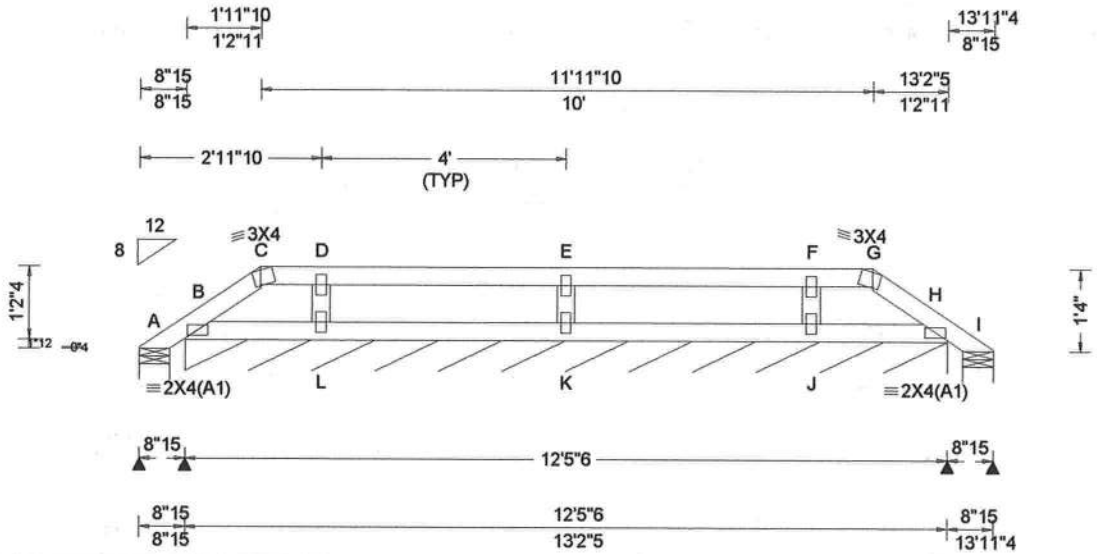
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 614172 HIPS FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 21-5236 Fort White Park-Lot 32 **Truss Label:** PBA1	Cust: R 215 JRef: 1X372150004 T14 DrwNo: 056.21.0752.32530 / YK 02/25/2021	



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 19.80 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: 1.25

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 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/0(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): -0.001	C	999	240
VERT(CL): -0.002	C	999	240
HORZ(LL): 0.000	J	-	-
HORZ(TL): 0.001	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.340
Max BC CSI: 0.150
Max Web CSI: 0.148

VIEW Ver: 20.01.01A.0724.11

▲ Maximum Reactions (lbs), or *=PLF

Loc	R+	/ R-	/ Rh	Gravity / Rw	Non-Gravity / U	/ RL
A	18	/-	/-	/25	/21	/33
B*	87	/-	/-	/45	/18	/-
I	18	/-	/-	/7	/8	/-
L		/-258				
K		/-344				
J		/-257				

Wind reactions based on MWFRS
A Brg Width = 5.9 Min Req = 1.5
B Brg Width = 149 Min Req = -
I Brg Width = 5.9 Min Req = 1.5
Bearings A, B, & I are a rigid surface.
Members not listed have forces less than 375#

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
E - K	388	-275

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

Plating Notes
All plates are 2X4 except as noted.

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

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

Additional Notes
Refer to DWG PB160160118 for piggyback details.
The overall height of this truss excluding overhang is 1-4-0.

FL REG# 278, Yoonhwak Kim, FL PE #86367
02/25/2021

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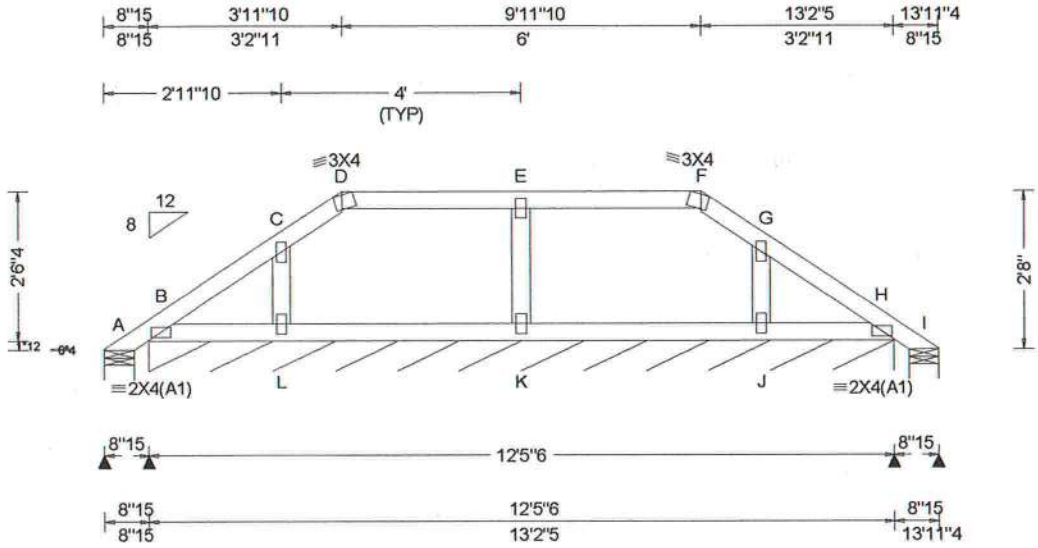
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 614173 HIPS FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 21-5236 Fort White Park-Lot 32 **Truss Label:** PBA2	Cust: R 215 JRef: 1X372150004 T21 DrwNo: 056.21.0752.34743 / YK 02/25/2021	



Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL:	20.00	Wind Std: ASCE 7-16	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 D 999 240
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.012 D 999 240
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.002 D - -
Des Ld:	40.00	EXP: C Kzt: NA		HORZ(TL): 0.007 D - -
NCBCLL:	10.00	Mean Height: 20.47 ft	Building Code:	Creep Factor: 2.0
Soffit:	0.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.238
Load Duration:	1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.160
Spacing:	24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.123
		C&C Dist a: 3.00 ft	FT/RT:20(0)/0(0)	
		Loc. from endwall: not in 9.00 ft	Plate Type(s):	
		GCpi: 0.18	WAVE	VIEW Ver: 20.01.01A.0724.11
		Wind Duration: 1.25		

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	21	/-	/-	/45	/38	/72
B*	86	/-	/-	/48	/12	/-
I	21	/-	/-	/7	/4	/-
B		/-134				
K		/-280				
H		/-122				

Wind reactions based on MWFRS
A Brg Width = 5.9 Min Req = 1.5
B Brg Width = 149 Min Req = -
I Brg Width = 5.9 Min Req = 1.5
Bearings A, B, & I are a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Purlins

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

Wind

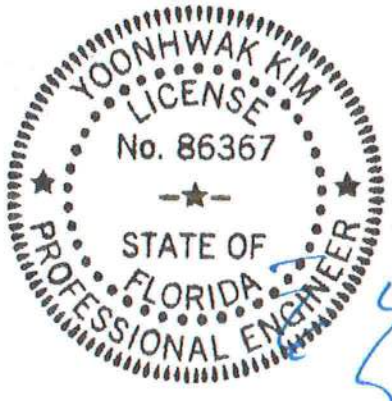
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

Refer to DWG PB160160118 for piggyback details.

The overall height of this truss excluding overhang is 2-8-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/25/2021

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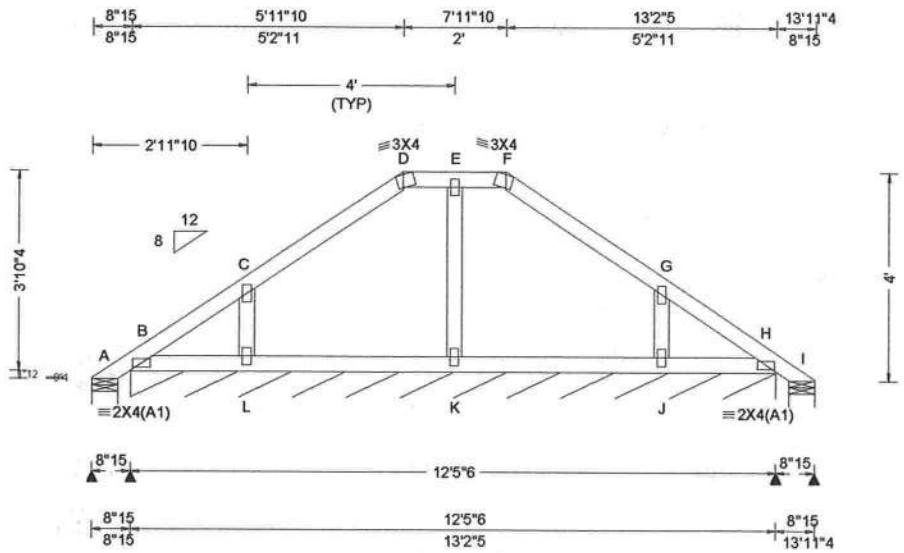
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 614158 HIPS FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 21-5236 Fort White Park-Lot 32 **Truss Label:** PBA3	Cust: R 215 JRef: 1X372150004 T28 DrwNo: 056.21.0752.40293 / YK 02/25/2021



Loading Criteria (psf)		**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**				**▲ Maximum Reactions (lbs), or *=PLF**						
TCLL:	20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in	loc	L/defl	L/#		Gravity			Non-Gravity		
TCDL:	10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL):	0.005 D	999	240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL):	0.016 D	999	240	A	26	/-	/-	/65	/56	/111
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL):	0.004 F	-	-	B*	85	/-	/-	/50	/6	/-
Des Ld:	40.00	EXP: C Kzt: NA		HORZ(TL):	0.009 D	-	-	I	26	/-	/-	/13	/4	/-
NCBCLL:	10.00	Mean Height: 21.13 ft	Building Code:	Creep Factor: 2.0				L		/-140				
Soffit:	0.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI:	0.168			J		/-140				
Load Duration:	1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI:	0.160			Wind reactions based on MWFRS						
Spacing:	24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI:	0.067			A	Brg Width = 5.9		Min Req = 1.5			
		C&C Dist a: 3.00 ft	FT/RT:20(0)/0(0)					B	Brg Width = 149		Min Req = -			
		Loc. from endwall: not in 9.00 ft	Plate Type(s):					I	Brg Width = 5.9		Min Req = 1.5			
		GCpi: 0.18	WAVE	VIEW Ver: 20.01.01A.0724.11				Bearings A, B, & I are a rigid surface.						
		Wind Duration: 1.25						Members not listed have forces less than 375#						

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Purlins

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

Refer to DWG PB160160118 for piggyback details.

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

FL REG# 278, Yoonhwak Kim, FL PE #86367
02/25/2021

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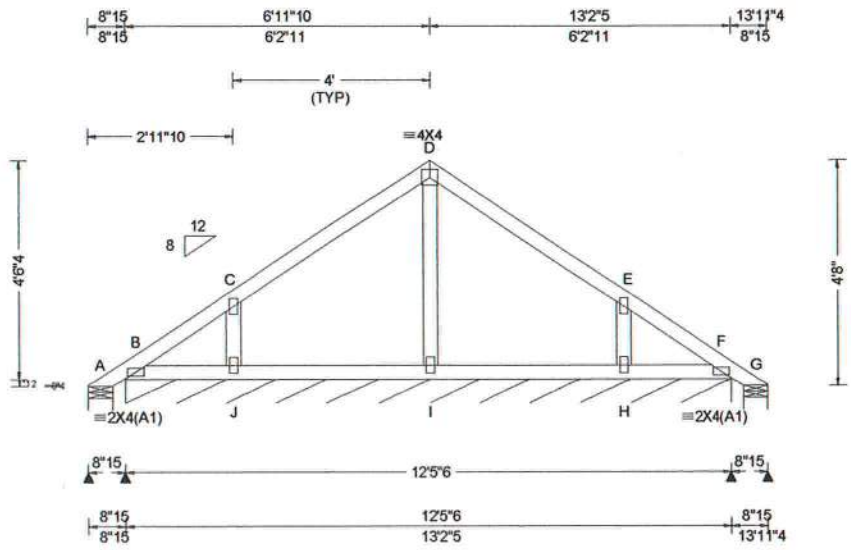
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 614166 COMN FROM: CDM	Ply: 1 Qty: 4	**Job Number:** 21-5236 Fort White Park-Lot 32 **Truss Label:** PBA4	Cust: R 215 JRef: 1X372150004 T15 DrwNo: 056.21.0752.44697 / YK 02/25/2021	



Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL:	20.00	Wind Std: ASCE 7-16	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): 0.001 D 999 240
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 D 999 240
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 E - -
Des Ld:	40.00	EXP: C Kzt: NA		HORZ(TL): 0.002 E - -
NCBCLL:	10.00	Mean Height: 21.47 ft	Building Code:	Creep Factor: 2.0
Soffit:	0.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.240
Load Duration:	1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.151
Spacing:	24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.087
		C&C Dist a: 3.00 ft	FT/RT:20(0)/0(0)	
		Loc. from endwall: not in 9.00 ft	Plate Type(s):	
		GCpi: 0.18	WAVE	VIEW Ver: 20.01.01A.0724.11
		Wind Duration: 1.25		

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	29	/-	/-	/79	/69	/130
B*	85	/-	/-	/51	/5	/-
G	29	/-	/-	/16	/8	/-
J		/-189				
H		/-189				

Wind reactions based on MWFRS
A Brg Width = 5.9 Min Req = 1.5
B Brg Width = 149 Min Req = -
G Brg Width = 5.9 Min Req = 1.5
Bearings A, B, & G are a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Purlins

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

Wind

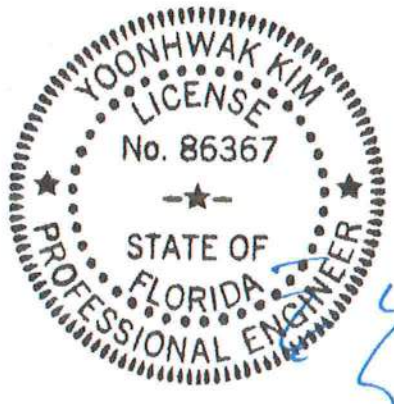
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

Refer to DWG PB160160118 for piggyback details.

The overall height of this truss excluding overhang is 4-8-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
02/25/2021

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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

Gable Stud Reinforcement Detail

ASCE 7-16: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

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

Max Gable Vertical Length

2x4 Gable Vertical Spacing	Species	Brace Grade	No Braces	(1) 1x4 "L" Brace ■ Group A	(1) 1x4 "L" Brace ■ Group B	(1) 2x4 "L" Brace ■ Group A	(1) 2x4 "L" Brace ■ Group B	(2) 2x4 "L" Brace ■■ Group A	(2) 2x4 "L" Brace ■■ Group B	(1) 2x6 "L" Brace ■ Group A	(1) 2x6 "L" Brace ■ Group B	(2) 2x6 "L" Brace ■■ Group A	(2) 2x6 "L" Brace ■■ Group B
24" o.c.	SPF HF	#1 / #2	4' 3"	7' 3"	7' 7"	8' 7"	8' 11"	10' 3"	10' 8"	13' 6"	14' 0"	14' 0"	14' 0"
		#3	4' 1"	6' 7"	7' 1"	8' 6"	8' 10"	10' 1"	10' 6"	13' 4"	13' 10"	14' 0"	14' 0"
		Stud	4' 1"	6' 7"	7' 0"	8' 6"	8' 10"	10' 1"	10' 6"	13' 4"	13' 10"	14' 0"	14' 0"
		Standard	4' 1"	5' 8"	6' 0"	7' 7"	8' 1"	10' 1"	10' 6"	11' 10"	12' 8"	14' 0"	14' 0"
	SP DFL	#1	4' 6"	7' 4"	7' 8"	8' 8"	9' 0"	10' 4"	10' 9"	13' 8"	14' 0"	14' 0"	14' 0"
		#2	4' 3"	7' 3"	7' 7"	8' 7"	8' 11"	10' 3"	10' 8"	13' 6"	14' 0"	14' 0"	14' 0"
		#3	4' 2"	6' 0"	6' 4"	7' 11"	8' 6"	10' 2"	10' 7"	12' 5"	13' 4"	14' 0"	14' 0"
		Stud	4' 2"	6' 0"	6' 4"	7' 11"	8' 6"	10' 2"	10' 7"	12' 5"	13' 4"	14' 0"	14' 0"
		Standard	4' 0"	5' 3"	5' 7"	7' 0"	7' 6"	9' 6"	10' 2"	11' 0"	11' 10"	14' 0"	14' 0"
16" o.c.	SPF HF	#1 / #2	4' 11"	8' 4"	8' 8"	9' 10"	10' 3"	11' 8"	12' 2"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 8"	8' 1"	8' 8"	9' 8"	10' 1"	11' 7"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	4' 8"	8' 1"	8' 6"	9' 8"	10' 1"	11' 7"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	4' 8"	6' 11"	7' 5"	9' 3"	9' 11"	11' 7"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
	SP DFL	#1	5' 1"	8' 5"	8' 9"	9' 11"	10' 4"	11' 10"	12' 4"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	4' 11"	8' 4"	8' 8"	9' 10"	10' 3"	11' 8"	12' 2"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 9"	7' 4"	7' 9"	9' 9"	10' 2"	11' 8"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	4' 9"	7' 4"	7' 9"	9' 9"	10' 2"	11' 8"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	4' 8"	6' 5"	6' 10"	8' 7"	9' 2"	11' 7"	12' 1"	13' 6"	14' 0"	14' 0"	14' 0"
12" o.c.	SPF HF	#1 / #2	5' 5"	9' 2"	9' 6"	10' 10"	11' 3"	11' 8"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	5' 1"	9' 0"	9' 4"	10' 8"	11' 1"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	5' 1"	9' 0"	9' 4"	10' 8"	11' 1"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	5' 1"	8' 0"	8' 6"	10' 8"	11' 1"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"
	SP DFL	#1	5' 8"	9' 3"	9' 8"	10' 11"	11' 4"	13' 0"	13' 6"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	5' 5"	9' 2"	9' 6"	10' 10"	11' 3"	12' 11"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	5' 3"	8' 5"	9' 0"	10' 9"	11' 2"	12' 10"	13' 4"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	5' 3"	8' 5"	9' 0"	10' 9"	11' 2"	12' 10"	13' 4"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	5' 1"	7' 5"	7' 11"	9' 11"	10' 7"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"

Bracing Group Species and Grades:

Group A:

Spruce-Pine-Fir	
#1 / #2	Standard
#3	Stud

Hem-Fir	
#2	Stud
#3	Standard

Douglas Fir-Larch
#3
Stud
Standard

Southern Pine■■■
#3
Stud
Standard

Group B:

Hem-Fir
#1 & Btr
#1

Douglas Fir-Larch
#1
#2

Southern Pine■■■
#1
#2

1x4 Braces shall be SRB (Stress-Rated Board).
■■■For 1x4 So. Pine use only Industrial 55 or Industrial 45 Stress-Rated Boards. Group B values may be used with these grades.

Gable Truss Detail Notes:

Wind Load deflection criterion is L/240.

Provide uplift connections for 55 plf over continuous bearing (5 psf TC Dead Load).

Gable end supports load from 4' 0" outlookers with 2' 0" overhang, or 12" plywood overhang.

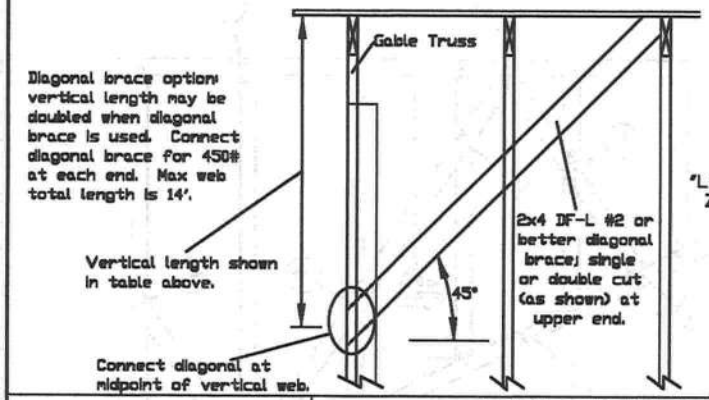
Attach "L" braces with 10d (0.128"x3.0" min) nails.
* For (1) "L" braces: space nails at 2" o.c. in 18" end zones and 4" o.c. between zones.
** For (2) "L" braces: space nails at 3" o.c. in 18" end zones and 6" o.c. between zones.

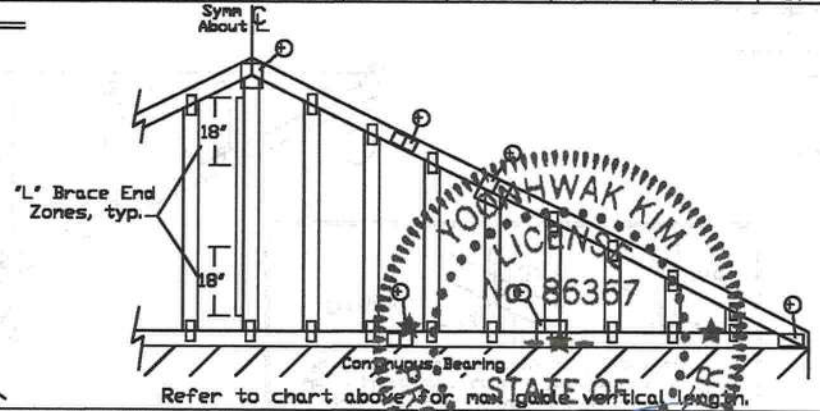
"L" bracing must be a minimum of 80% of web member length.

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

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

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





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

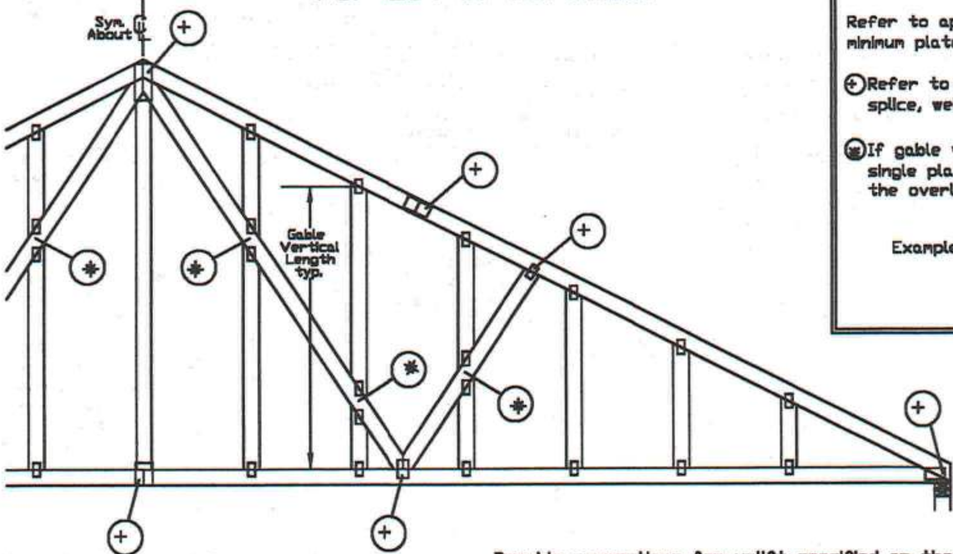
ALPINE® AN ITW COMPANY
514 Earth City Expressway
Suite 242
Earth City, MO 63045

MAX. TOT. L.D. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-16-GAB14015
DATE	01/26/2018
DRWG	A14015ENC160118

Gable Detail
For Let-In Verticals



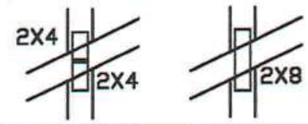
Gable Truss Plate Sizes

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

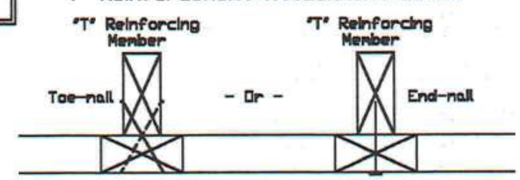
(+) Refer to Engineered truss design for peak, splice, web, and heel plates.

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

Example:



"T" Reinforcement Attachment Detail



Provide connections for uplift specified on the engineered truss design.

Attach each "T" reinforcing member with
End Driven Nails:
10d Common (0.148"x 3.",min) Nails at 4" o.c. plus
(4) nails in the top and bottom chords.

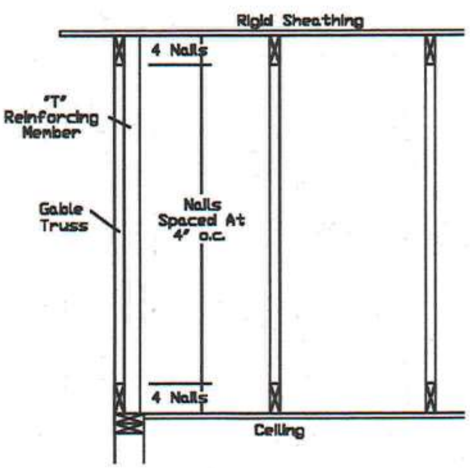
Toenailed Nails:
10d Common (0.148"x3",min) Toenails at 4" o.c. plus
(4) toenails in the top and bottom chords.

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

ASCE 7-05 Gable Detail Drawings
A13015051014, A12015051014, A11015051014, A10015051014, A14015051014,
A13030051014, A12030051014, A11030051014, A10030051014, A14030051014

ASCE 7-10 & ASCE 7-16 Gable Detail Drawings
A11515ENC100118, A12015ENC100118, A14015ENC100118, A16015ENC100118,
A18015ENC100118, A20015ENC100118, A20015END100118, A20015PED100118,
A11530ENC100118, A12030ENC100118, A14030ENC100118, A16030ENC100118,
A18030ENC100118, A20030ENC100118, A20030END100118, A20030PED100118,
S11515ENC100118, S12015ENC100118, S14015ENC100118, S16015ENC100118,
S18015ENC100118, S20015ENC100118, S20015END100118, S20015PED100118,
S11530ENC100118, S12030ENC100118, S14030ENC100118, S16030ENC100118,
S18030ENC100118, S20030ENC100118, S20030END100118, S20030PED100118

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



To convert from "L" to "T" reinforcing members, multiply "T" increase by length (based on appropriate Alpine gable detail).

Maximum allowable "T" reinforced gable vertical length is 14' from top to bottom chord.

"T" reinforcing member material must match size, specie, and grade of the "L" reinforcing member.

Web Length Increase w/ "T" Brace

"T" Reinf. Mbr. Size	"T" Increase
2x4	30 %
2x6	20 %

Example:
ASCE 7-10 Wind Speed = 120 mph
Mean Roof Height = 30 ft, Kzt = 1.00
Gable Vertical = 24"o.c. SP #3
"T" Reinforcing Member Size = 2x4
"T" Brace Increase (From Above) = 30% = 1.30
(1) 2x4 "L" Brace Length = 8' 7"
Maximum "T" Reinforced Gable Vertical Length
1.30 x 8' 7" = 11' 2"

STATE OF FLORIDA PROFESSIONAL ENGINEER ... KIM ... No. 86367

ALPINE® AN ITW COMPANY
514 Earth City Expressway
Suite 242
Earth City, MO 63045

6/25/2021 ... # 278, Yoonhwak Kim, FL PE #86367

MAX. TOT. LD.	60 PSF
DUR. FAC.	ANY
MAX. SPACING	24.0"

REF	LET-IN VERT
DATE	01/02/2018
DRWG	GBLLETIN0118

Piggyback Detail - ASCE 7-16: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

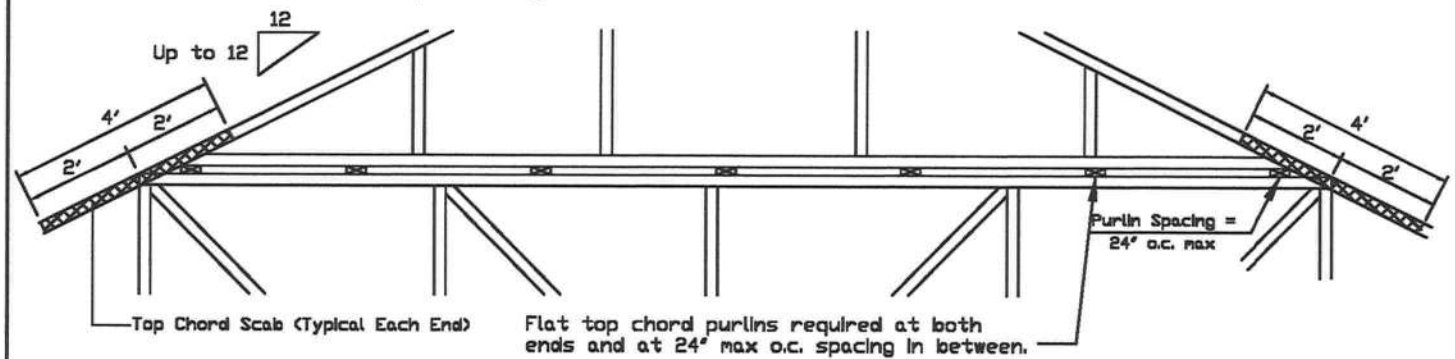
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0.
Or 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

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

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

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

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



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

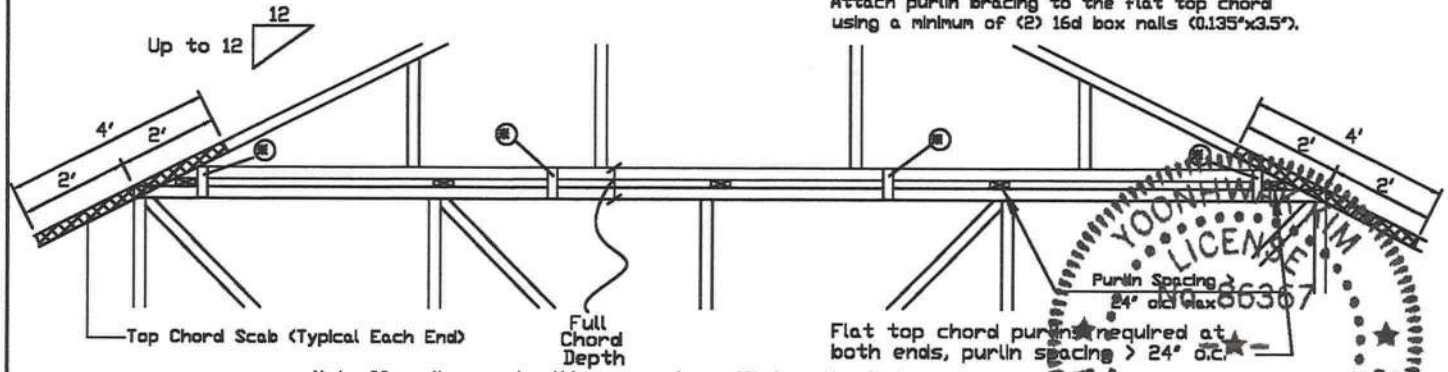
Attach purlin bracing to the flat top chord using (2) 16d box nails (0.135"x3.5").

The top chord #3 grade 2x4 scab may be replaced with either of the following: (1) 3X8 Trulox plate attached with (8) 0.120"x1.375" nails, (4) into cap TC & (4) into base truss TC or (1) 28PB wave piggyback plate plated to the piggyback truss TC and attached to the base truss TC with (4) 0.120"x1.375" nails. Note: Nailing thru holes of wave plate is acceptable.

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

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

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



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

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

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

APA Rated Gusset
8"x8"x7/16" (min) APA rated sheathing gussets (each face). Attach @ 8" o.c. with (8) 6d common (0.113"x2") nails per gusset, (4) in cap bottom chord and (4) in base truss top chord. Gussets may be staggered 4" o.c. front to back faces.

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

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

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REF	PIGGYBACK
DATE	01/02/2018
DRWG	PB160160118
SPACING	24.0"

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