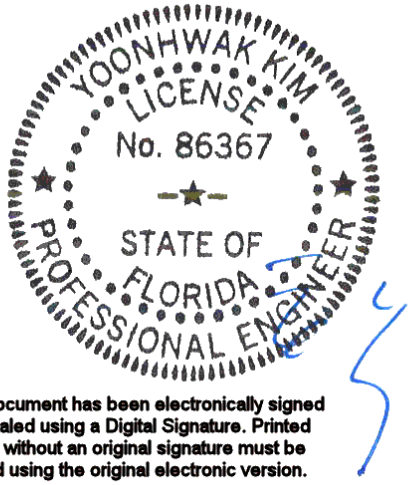

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ALPINE
AN ITW COMPANY

Alpine, an ITW Company
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025
Phone: (800)755-6001
www.alpineitw.com

FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999

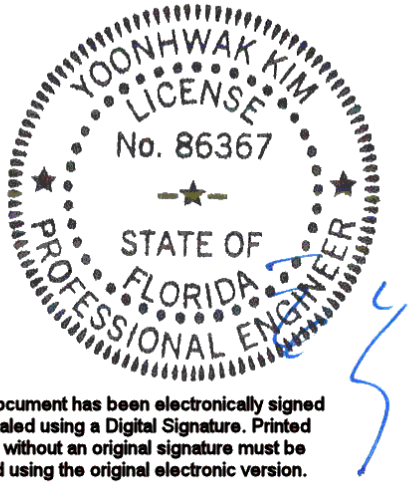
01/16/2023

Site Information:	**Page 1:**
Customer: W. B. Howland Company, Inc.	*Job Number:* 22-8616B
Job Description: Terrell	
Address: LAKE CITY	

Job Engineering Criteria:	
Design Code: FBC 7th Ed. 2020 Res.	*IntelliVIEW Version:* 20.01.01A *JRef #:* 1XMb2150006
Wind Standard: ASCE 7-16 *Wind Speed (mph):* 130 *Building Type:* Closed	*Design Loading (psf):* 32.00, 55.00

This package contains general notes pages, 50 truss drawing(s) and 5 detail(s).

Item	Drawing Number	Truss	Item	Drawing Number	Truss
1	016.23.0744.20347	A1	2	016.23.0744.22103	A2
3	016.23.0744.38183	A3	4	016.23.0744.39933	B1
5	016.23.0744.41573	B2	6	016.23.0744.44753	B3
7	016.23.0744.49463	B4	8	016.23.0746.20247	B5
9	016.23.0746.46550	C1	10	016.23.0746.48840	C2
11	016.23.0746.50947	C3	12	016.23.0746.57530	C4
13	016.23.0747.11057	C5	14	016.23.0747.13867	C6
15	016.23.0747.40630	D1	16	016.23.0747.42413	D2
17	016.23.0748.39517	FG1	18	016.23.0834.53327	FG1A
19	016.23.0809.08020	FG1B	20	016.23.0750.08663	FG1C
21	016.23.0822.22730	FG2	22	016.23.0822.44717	FG3
23	016.23.0802.13787	FG4	24	016.23.0804.25660	FG5
25	016.23.0823.02947	FL1	26	016.23.0823.47563	FL1A
27	016.23.0824.39780	FL1B	28	016.23.0818.29803	FL2
29	016.23.0819.12440	FL2A	30	016.23.0819.27473	FL3
31	016.23.0819.36910	FL3G	32	016.23.0806.56880	FL4
33	016.23.0807.01307	FL4A	34	016.23.0807.21887	FT1
35	016.23.0807.25257	FT1A	36	016.23.0807.49033	FT2
37	016.23.0755.57427	FT2A	38	016.23.0756.03980	FT2B
39	016.23.0756.17693	FT3	40	016.23.0756.20887	FT3A
41	016.23.0756.39700	FT4	42	016.23.0756.52897	FT4A
43	016.23.0757.06910	FT5	44	016.23.0757.17307	FT5A
45	016.23.0757.29427	FT6	46	016.23.0757.40150	FT6A
47	016.23.0757.51523	FT7	48	016.23.0758.02237	FT7A
49	016.23.0753.01710	P1	50	016.23.0755.20093	P2



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01/16/2023

Site Information:	Page 2:
Customer: W. B. Howland Company, Inc.	*Job Number:* 22-8616B
Job Description: Terrell	
Address: LAKE CITY	

Item	Drawing Number	Truss
51	A14030ENC160118	
53	A14015ENC160118	
55	CNNAILSP1014	

Item	Drawing Number	Truss
52	GBLLETIN0118	
54	BRCLBSUB0119	

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.

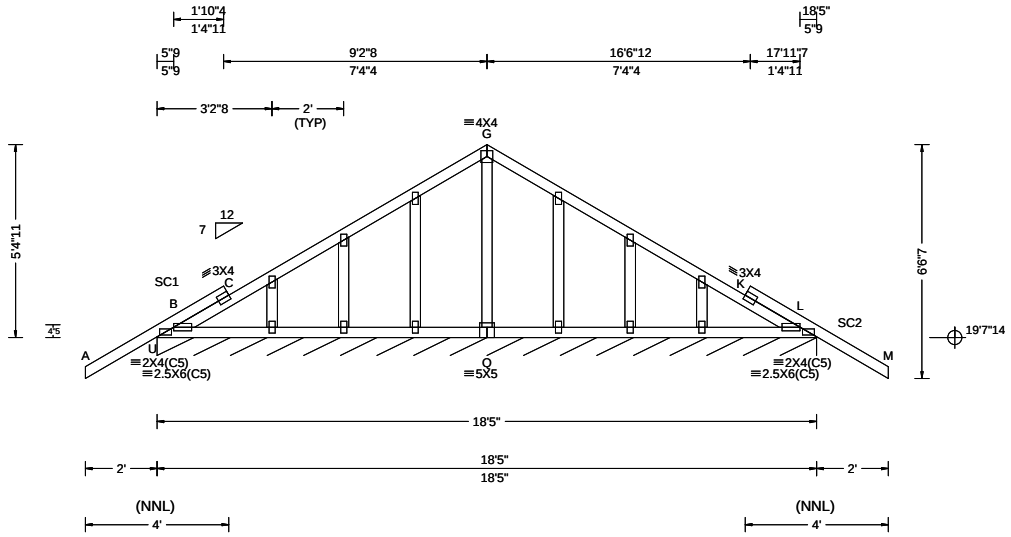
BCDL = Bottom Chord standard design Dead Load in pounds per square foot.
BCLL = Bottom Chord standard design Live Load in pounds per square foot.
CL = Certified lumber.
Des Ld = total of TCLL, TCDL, BCLL and BCDL Design Load in pounds per square foot.
FRT = Fire Retardant Treated lumber.
FRT-DB = D-Blaze 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.: 155 Harlem Ave, North Building, 4th Floor, Glenview, IL 60025; 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. sbcacomponents.com.

SEQN: 536179 GABL FROM: RFG	Ply: 1 Qty: 1	**Job Number:** 22-8616B Terrell **Truss Label:** A1	Cust: R 215 JRef:1XMb2150006 T49 DrwNo: 016.23.0744.20347 KD / YK 01/16/2023



Loading Criteria (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 32.00
NCBCLL: 10.00
Soffit: 2.00
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: 21.95 ft
TCDL: 4.2 psf
BCDL: 3.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.33

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: 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): 0.004	C	999	240
VERT(CL): 0.009	C	999	180
HORZ(LL): 0.002	C	-	-
HORZ(TL): 0.003	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.955
Max BC CSI: 0.150
Max Web CSI: 0.047

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs), or *=PLF

Loc	Gravity R+	Gravity / R-	Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
U*	171	/-	/-	/52	/24	/7

Wind reactions based on MWFRS
U Brg Wid = 221 Min Req = -
Bearing U 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	426	-235	K - L	241	-518

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
Q - L	562	-73

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

Plating Notes
All plates are 2X4 except as noted.

Loading
Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

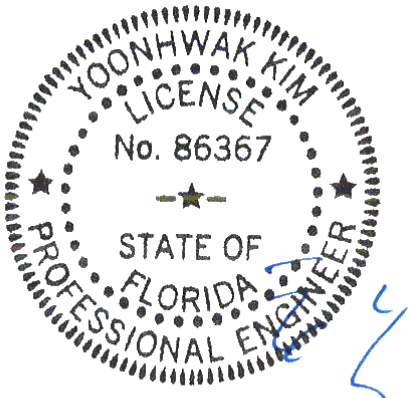
Wind
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes
See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

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

The overall height of this truss excluding overhang is 17-0-9.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2023

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

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

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

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

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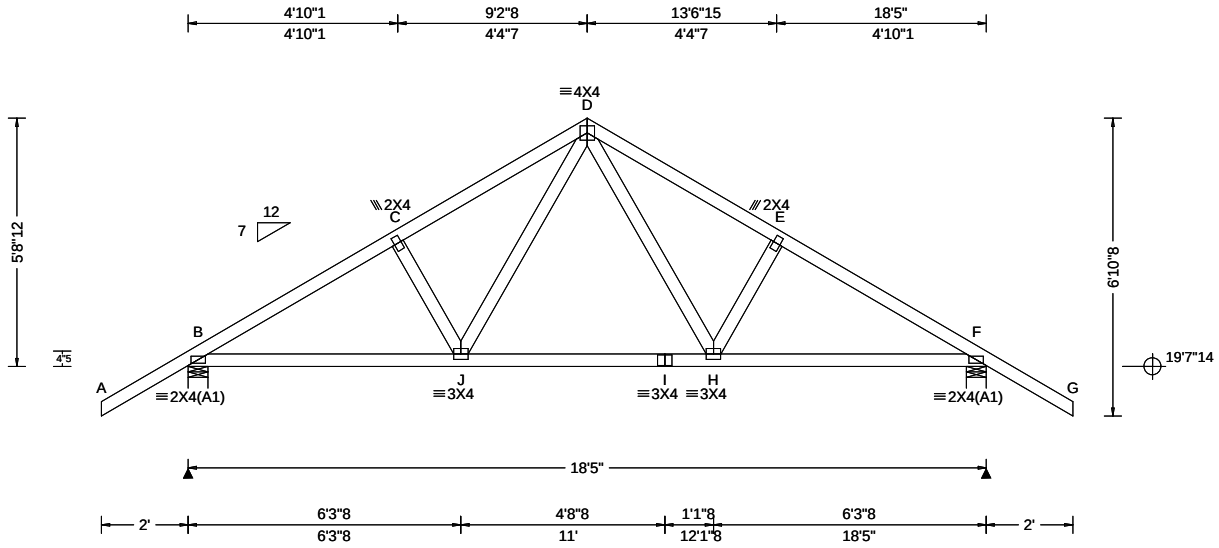
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536173 COMN FROM: RFG	Ply: 1 Qty: 8	**Job Number:** 22-8616B Terrell **Truss Label:** A2	Cust: R 215 JRef:1XMb2150006 T50 DrwNo: 016.23.0744.22103 KD / YK 01/16/2023



Loading Criteria (psf)

TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	5.00
Des Ld:	32.00
NCBCLL:	10.00
Soffit:	2.00

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: 22.12 ft
TCDL: 4.2 psf
BCDL: 3.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.33

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)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.028	H	999	240
VERT(CL): 0.046	H	999	180
HORZ(LL): 0.013	F	-	-
HORZ(TL): 0.021	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.488
Max BC CSI: 0.294
Max Web CSI: 0.152

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	731	/-	/-	/397	/322	/214
F	731	/-	/-	/397	/322	/-

Wind reactions based on MWFRS
B Brg Wid = 5.5 Min Req = 1.5
F Brg Wid = 5.5 Min Req = 1.5
Bearings B & F are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	538	- 884	D - E	567	- 767
C - D	568	- 767	E - F	538	- 884

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - J	705	- 282	I - H	487	- 89
J - I	487	- 89	H - F	705	- 306

Lumber

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

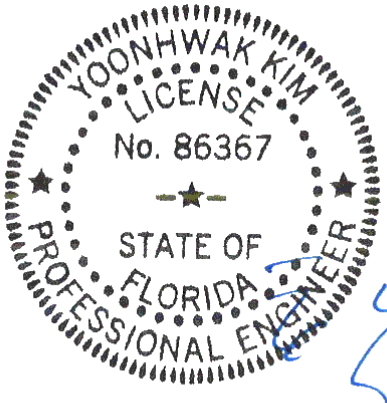
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 5-8-12.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2023

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

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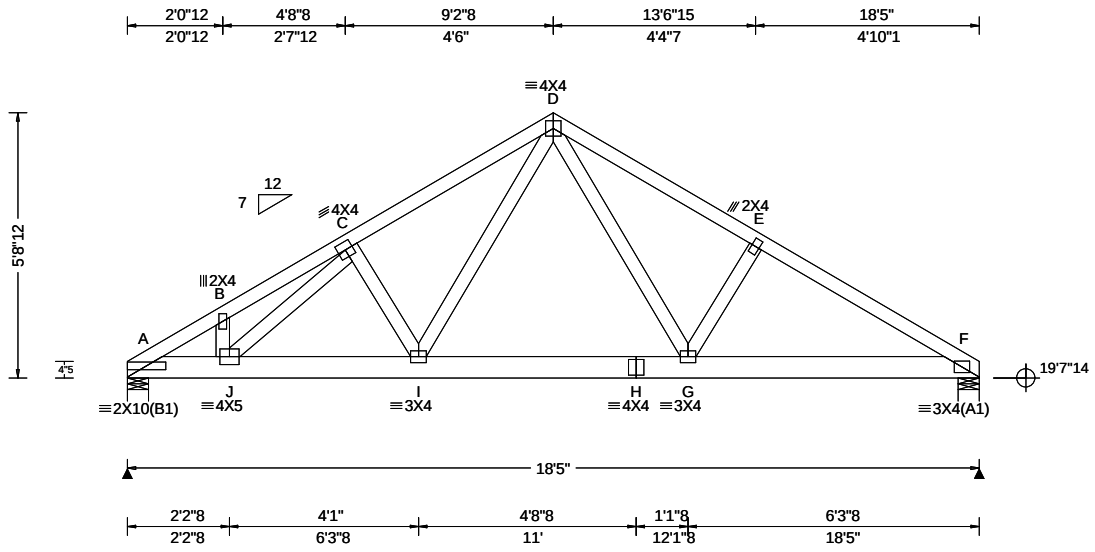
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536183 COMN FROM: RFG	Ply: 1 Qty: 1	**Job Number:** 22-8616B Terrell **Truss Label:** A3	Cust: R 215 JRef:1XMb2150006 T52 DrwNo: 016.23.0744.38183 KD / YK 01/16/2023



Loading Criteria (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 32.00
NCBCLL: 10.00
Soffit: 2.00
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: 22.70 ft
TCDL: 4.2 psf
BCDL: 3.0 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: 1.33

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: 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): 0.051	I	999	240
VERT(CL): 0.083	I	999	180
HORZ(LL): 0.019	B	-	-
HORZ(TL): 0.030	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.329
Max BC CSI: 0.354
Max Web CSI: 0.469

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	2002	/-	/-	/-	/545	/-
F	771	/-	/-	/-	/307	/-

Wind reactions based on MWFRS
A Brg Wid = 5.5 Min Req = 1.7
F Brg Wid = 5.5 Min Req = 1.5
Bearings A & F are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	781	- 2773	D - E	435	- 1139
B - C	770	- 2747	E - F	507	- 1251
C - D	502	- 1480			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - J	2371	- 662	H - G	802	- 296
J - I	1535	- 503	G - F	1036	- 409
I - H	802	- 296			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
J - C	1231	- 225	I - D	877	- 212
C - I	200	- 592			

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)

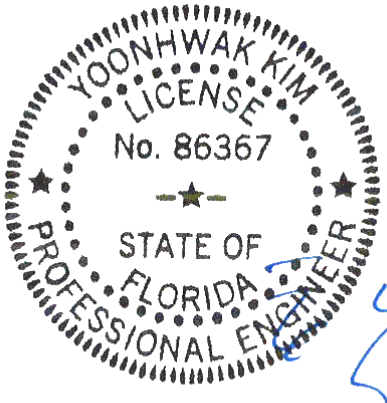
TC: From	56 plf at	0.00 to	56 plf at	18.42
BC: From	5 plf at	0.00 to	5 plf at	3.02
BC: From	10 plf at	3.02 to	10 plf at	18.42

BC: 785 lb Conc. Load at 1.02, 3.02

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

Additional Notes
The overall height of this truss excluding overhang is 5-8-12.

THIS TRUSS MUST BE INSTALLED AS SHOWN AND NOT END FOR END.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2023

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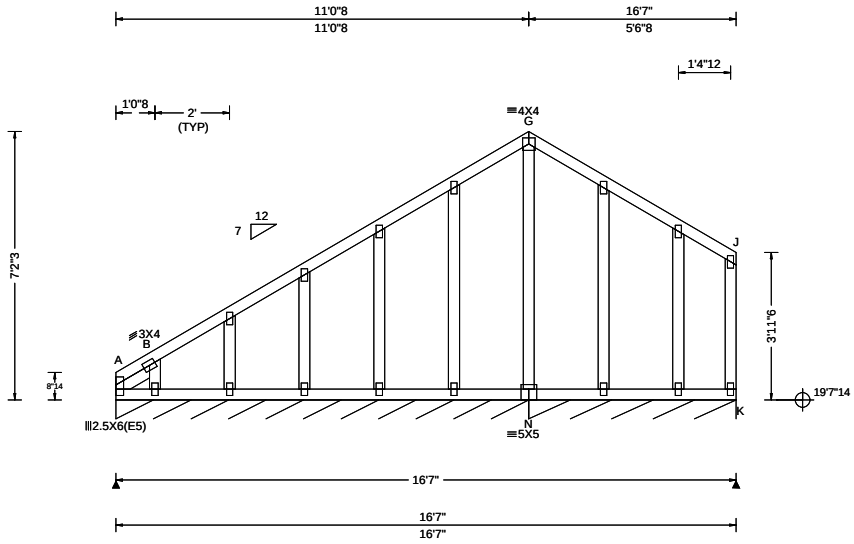
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536171 GABL FROM: RFG	Ply: 1 Qty: 2	**Job Number:** 22-8616B Terrell **Truss Label:** B1		Cust: R 215 JRef:1XMb2150006 T51 DrwNo: 016.23.0744.39933 KD / YK 01/16/2023	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 32.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 23.62 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.33	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): -0.002 H 999 240 VERT(CL): 0.004 H 999 180 HORZ(LL): -0.008 H - - HORZ(TL): 0.011 H - - Creep Factor: 2.0 Max TC CSI: 0.147 Max BC CSI: 0.075 Max Web CSI: 0.174 VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A*	160	/-	/-	/76	/60	/33
N*	130	/-	/-	/68	/83	/-

Wind reactions based on MWFRS
A Brg Wid = 132 Min Req = -
N Brg Wid = 66.5 Min Req = -
Bearings A & 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.
A - B	322	- 423	G - J	397	- 105
B - G	410	- 347			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - N	389	- 271

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.094'

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

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

Wind

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

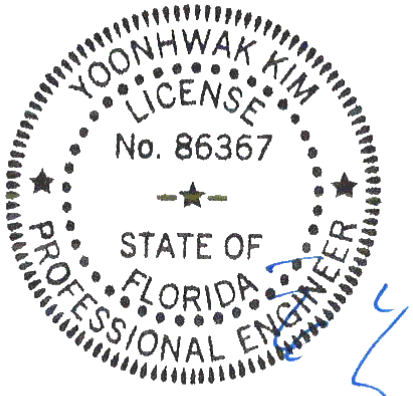
Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

The overall height of this truss excluding overhang is 18-10-1.



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01/16/2025

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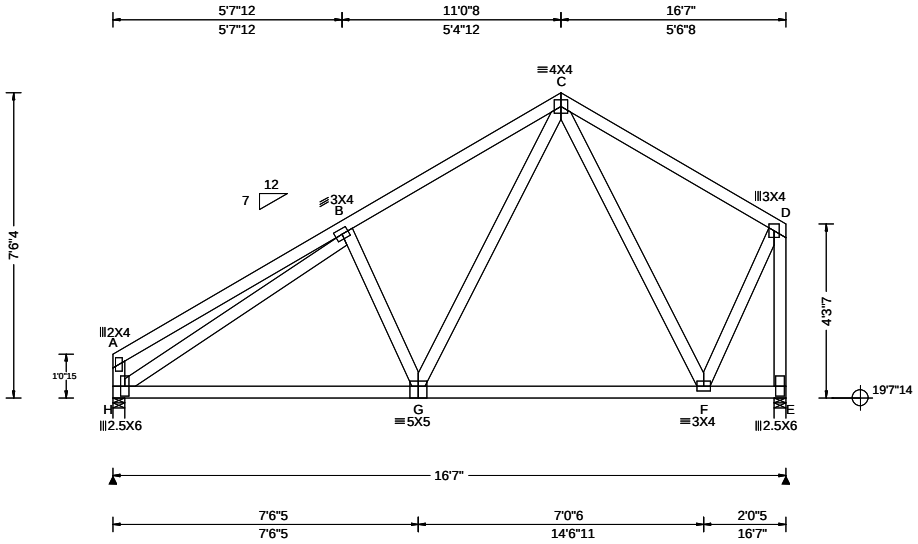
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536190 COMN FROM: RFG	Ply: 1 Qty: 24	**Job Number:** 22-8616B Terrell **Truss Label:** B2	Cust: R 215 JRef:1XMb2150006 T4 DrwNo: 016.23.0744.41573 KD / YK 01/16/2023



Loading Criteria (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 32.00
NCBCLL: 10.00
Soffit: 2.00
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: 23.96 ft
TCDL: 4.2 psf
BCDL: 3.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.33

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)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.020	G	999	240
VERT(CL): 0.032	G	999	180
HORZ(LL): 0.008	B	-	-
HORZ(TL): 0.012	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.485
Max BC CSI: 0.484
Max Web CSI: 0.619

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
H	591	/-	/-	/274	/238	/183
E	632	/-	/-	/246	/282	/-

Wind reactions based on MWFRS
H Brg Wid = 3.5 Min Req = 1.5
E Brg Wid = 3.5 Min Req = 1.5
Bearings H & E Fcperp = 565psi.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - C	515	-671

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
H - G	610	-465

Maximum Web Forces Per Ply (lbs)

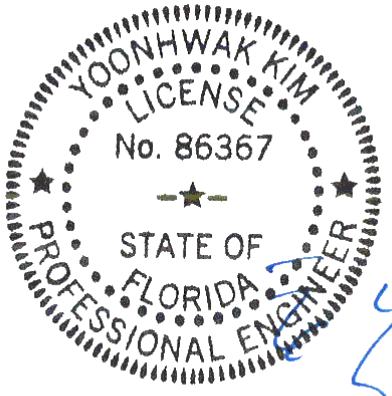
Webs	Tens.	Comp.	Webs	Tens.	Comp.
H - B	314	-689	F - D	471	-193
G - C	387	-283	D - E	400	-683

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

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

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

Additional Notes
The overall height of this truss excluding overhang is 19-2-2.



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Florida Certificate of Product Approval #FL 1999
01/16/2025

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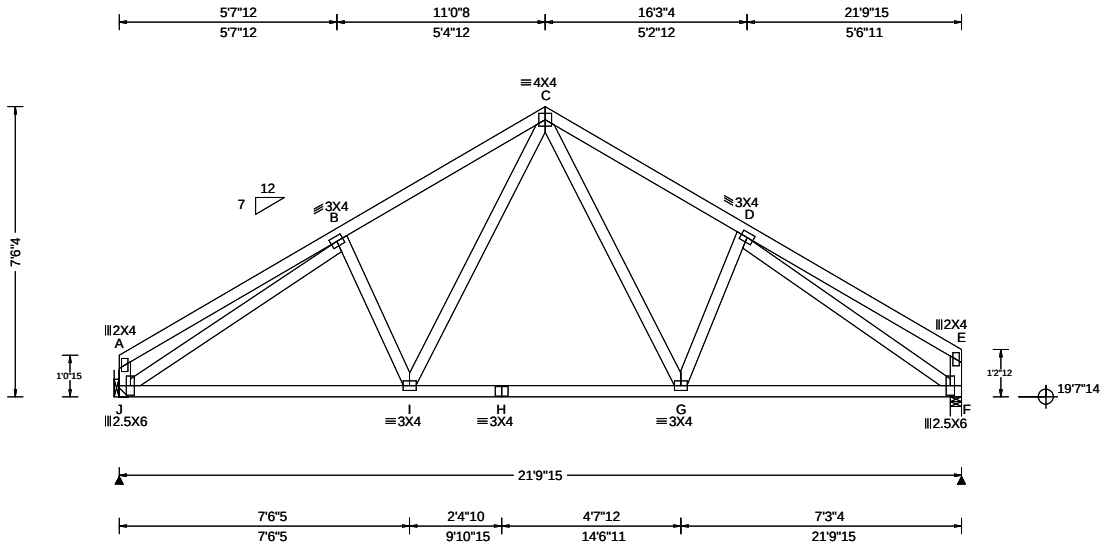
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536175 COMN FROM: RFG	Ply: 1 Qty: 2	**Job Number:** 22-8616B Terrell **Truss Label:** B3	Cust: R 215 JRef:1XMb2150006 T17 DrwNo: 016.23.0744.44753 KD / YK 01/16/2023	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	5.00
Des Ld:	32.00
NCBCLL:	10.00
Soffit:	2.00

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: 23.96 ft
TCDL: 4.2 psf
BCDL: 3.0 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: 1.33

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)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.038	I	999	240
VERT(CL): 0.059	I	999	180
HORZ(LL): 0.022	E	-	-
HORZ(TL): 0.034	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.335
Max BC CSI: 0.494
Max Web CSI: 0.915

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
J	785	/-	/-	/336	/145	/183
F	786	/-	/-	/332	/145	/-

Wind reactions based on MWFRS
J Brg Wid = - Min Req = -
F Brg Wid = 3.5
Bearing F 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	442	- 1001	C - D	441	- 986

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
J - I	881	- 270	H - G	632	- 107
I - H	632	- 107	G - F	853	- 255

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
J - B	298	- 1019	D - F	296	- 1013

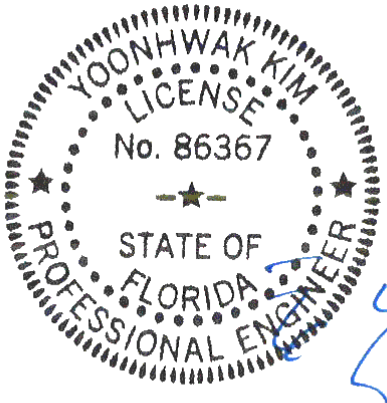
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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

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

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

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



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01/16/2023

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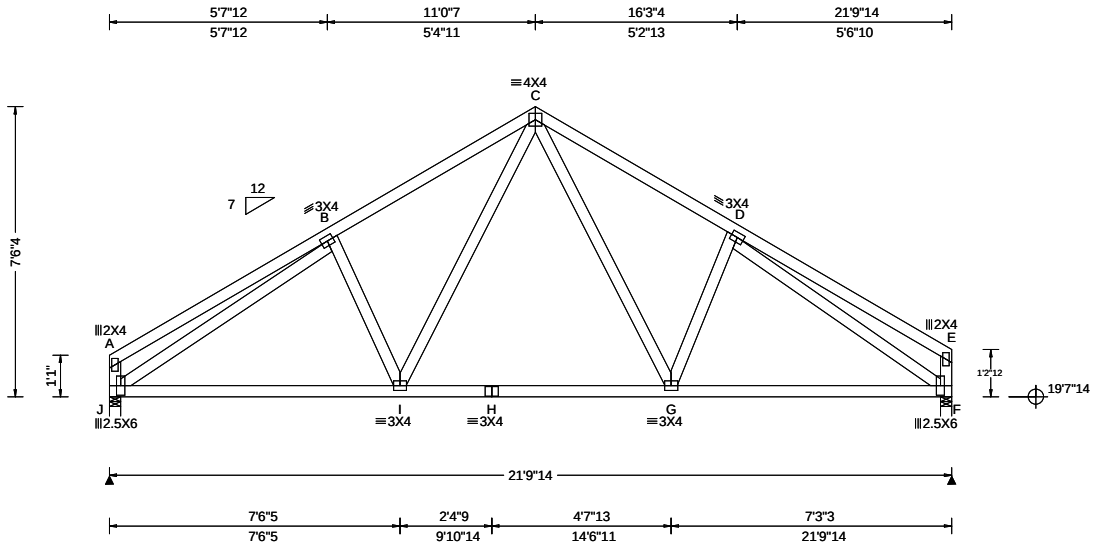
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536177 COMN FROM: RFG	Ply: 1 Qty: 3	**Job Number:** 22-8616B Terrell **Truss Label:** B4	Cust: R 215 JRef:1XMb2150006 T55 DrwNo: 016.23.0744.49463 KD / YK 01/16/2023



Loading Criteria (psf)

TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 32.00
NCBCLL: 10.00
Soffit: 2.00
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: 23.96 ft
TCDL: 4.2 psf
BCDL: 3.0 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: 1.33

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)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.038	I	999	240
VERT(CL): 0.059	I	999	180
HORZ(LL): 0.022	E	-	-
HORZ(TL): 0.034	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.335
Max BC CSI: 0.494
Max Web CSI: 0.915

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
J	784	/-	/-	/335	/145	/182
F	786	/-	/-	/332	/145	/-

Wind reactions based on MWFRS
J Brg Wid = 3.5 Min Req = 1.5
F Brg Wid = 3.5 Min Req = 1.5
Bearings J & F Fcperp = 565psi.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	442	- 1001	C - D	440	- 986

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
J - I	881	- 269	H - G	632	- 107
I - H	632	- 107	G - F	852	- 255

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
J - B	298	- 1018	D - F	296	- 1013

Lumber

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

Loading

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

Wind

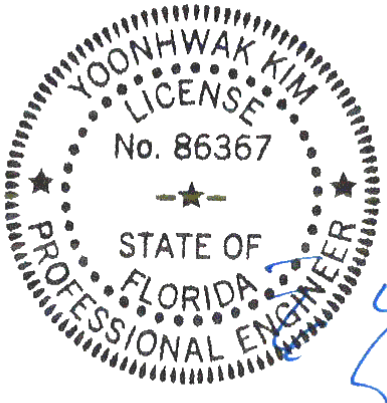
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 19-2-2.



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01/16/2023

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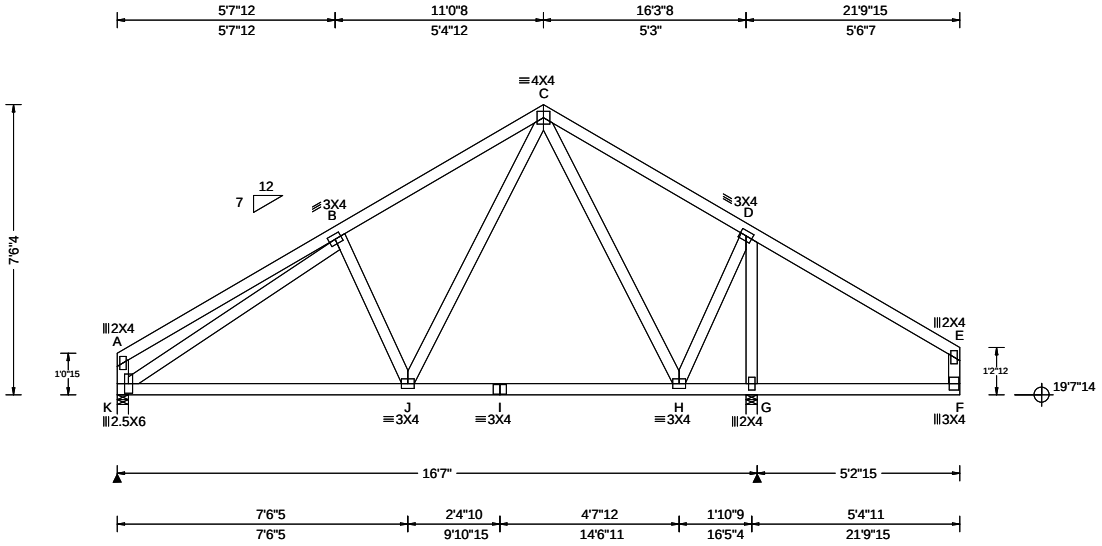
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536187 COMN FROM: RFG	Ply: 1 Qty: 4	**Job Number:** 22-8616B Terrell **Truss Label:** B5	Cust: R 215 JRef:1XMb2150006 T54 DrwNo: 016.23.0746.20247 KD / YK 01/16/2023



Loading Criteria (psf)

TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 32.00
NCBCLL: 10.00
Soffit: 2.00
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: 23.96 ft
TCDL: 4.2 psf
BCDL: 3.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.33

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)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.157	E	412	240
VERT(CL): 0.268	E	241	180
HORZ(LL): -0.082	E	-	-
HORZ(TL): 0.146	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.659
Max BC CSI: 0.493
Max Web CSI: 0.581

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
K	562	/-	/-	/254	/230	/183
G	1044	/-	/-	/441	/456	/-

Wind reactions based on MWFRS
K Brg Wid = 3.5 Min Req = 1.5
G Brg Wid = 3.5 Min Req = 1.5
Bearings K & G Fcperp = 565psi.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - C	421	- 626

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
K - J	573	- 243

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
K - B	245	- 647	H - D	486	- 72
J - C	414	- 258	D - G	485	- 957
C - H	158	- 388			

Lumber

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

Loading

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

Wind

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

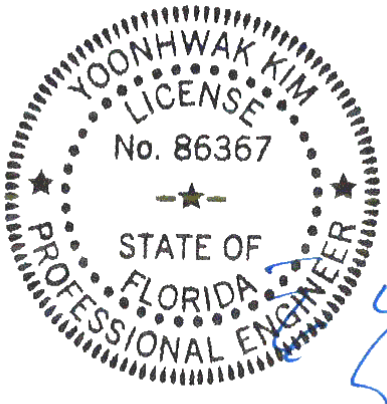
End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 19-2-2.

THIS TRUSS MUST BE INSTALLED AS SHOWN AND NOT END FOR END.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2023

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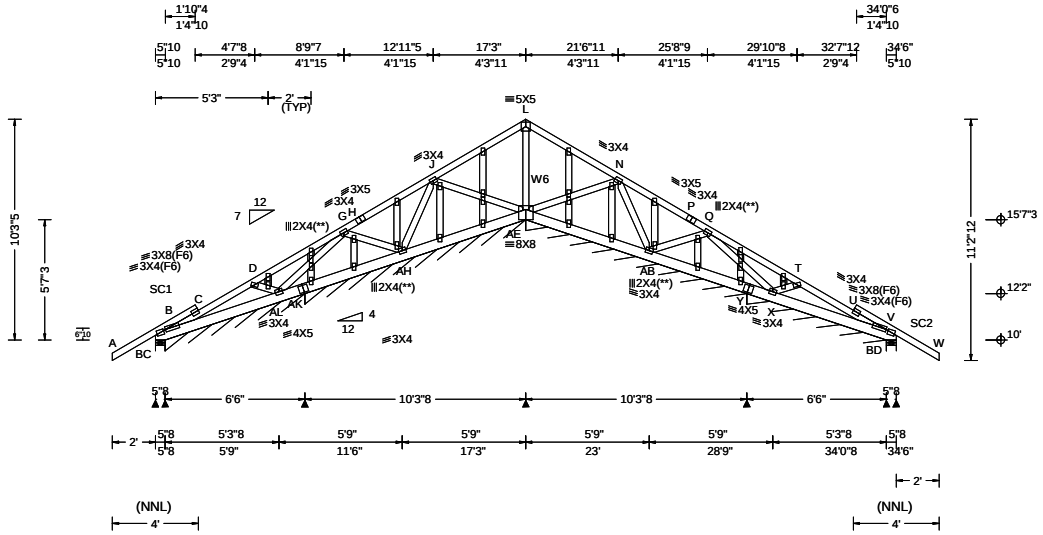
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536460 GABL FROM: RFG	Ply: 1 Qty: 1	**Job Number:** 22-8616B Terrell **Truss Label:** C1		Cust: R 215 JRef:1XMb2150006 T14 DrwNo: 016.23.0746.46550 KD / YK 01/16/2023	



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: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.008 C 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.015 C 999 180
BCDL: 5.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.010 U - -
Des Ld: 32.00	EXP: C Kzt: NA		HORZ(TL): 0.013 U - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 4.2 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.719
Load Duration: 1.25	BCDL: 3.0 psf	TPI Std: 2014	Max BC CSI: 0.054
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: No	Max Web CSI: 0.340
	C&C Dist a: 3.45 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 4.50 ft	Plate Type(s):	VIEW Ver: 20.01.01A.0724.11
	GCpi: 0.18	WAVE	
	Wind Duration: 1.33		

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BC	675	/-	/-	/304	/423	/634
BC*	82	/-	/-	/36	/2	/-
AK*	163	/-	/-	/79	/-	/-
AE*	127	/-	/-	/65	/46	/-
Y*	86	/-	/-	/44	/35	/-
BD	675	/-	/-	/470	/246	/-

Wind reactions based on MWFRS
BC Brg Wid = 5.5 Min Req = 1.5
BC Brg Wid = 78.0 Min Req = -
AK Brg Wid = 123 Min Req = -
AE Brg Wid = 123 Min Req = -
Y Brg Wid = 78.0 Min Req = -
BD Brg Wid = 5.5 Min Req = 1.5
Bearings BC, BC, AK, AE, Y, & BD 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	315	- 554	U - V	378	- 590

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B -AL	641	- 234	AH-AE	612	- 266
AL-AK	584	- 264	AE-AB	483	- 213
AK-AH	586	- 257			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D -AL	10	- 410	X - T	246	- 410

Lumber

Top chord: 2x4 SP M-31;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W6 2x4 SP #2;
Stack Chord: SC1 2x4 SP #2;
Stack Chord: SC2 2x4 SP #2;

Plating Notes

All plates are 2X4 except as noted.

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

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

Wind loading based on both gable and hip roof types.

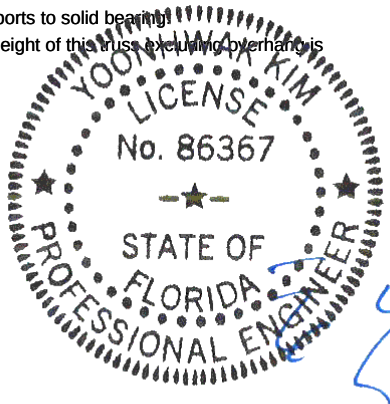
Additional Notes

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

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

Shim all supports to solid bearing.

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



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Florida Certificate of Product Approval #FL 1999
01/16/2023

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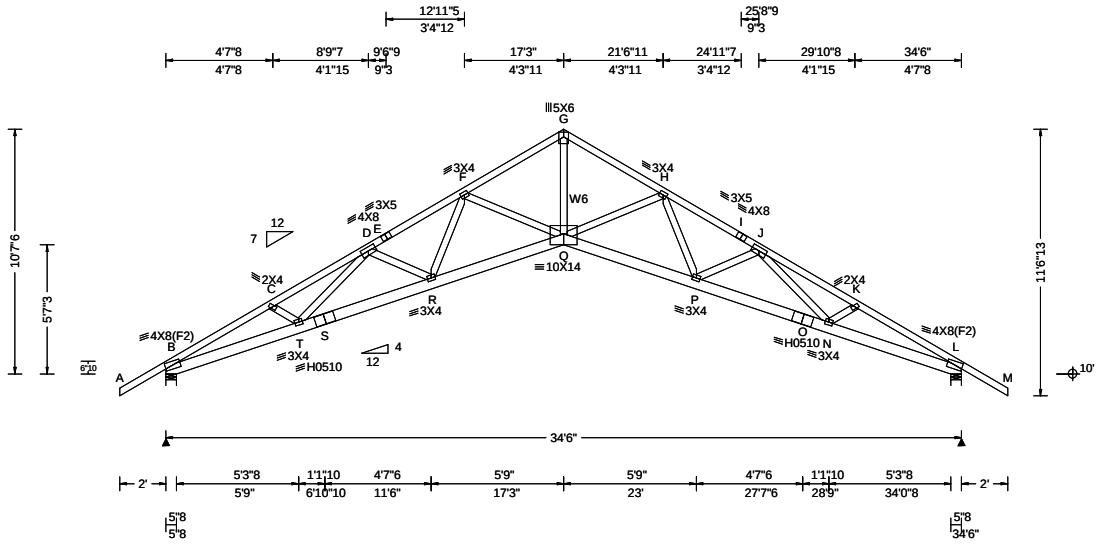
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536434 COMN FROM: RFG	Ply: 1 Qty: 6	**Job Number:** 22-8616B Terrell **Truss Label:** C2		Cust: R 215 JRef:1XMb2150006 T13 DrwNo: 016.23.0746.48840 KD / YK 01/16/2023	



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:	7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL):	0.311 Q	999	240	
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL):	0.514 Q	798	180	
BCDL:	5.00	Risk Category: II	Snow Duration: NA	HORZ(LL):	0.252 L	-	-	
Des Ld:	32.00	EXP: C Kzt: NA		HORZ(TL):	0.416 L	-	-	
NCBCLL:	10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0				
Soffit:	2.00	TCDL: 4.2 psf	FBC 7th Ed. 2020 Res.	Max TC CSI:	0.399			
Load Duration:	1.25	BCDL: 3.0 psf	TPI Std: 2014	Max BC CSI:	0.415			
Spacing:	24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI:	0.494			
		C&C Dist a: 3.45 ft	FT/RT:20(0)/10(0)					
		Loc. from endwall: not in 4.50 ft	Plate Type(s):					
		GCpi: 0.18	WAVE, HS	VIEW Ver: 20.01.01A.0724.11				
		Wind Duration: 1.33						

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1273	/-	/-	/648	/372	/326
L	1273	/-	/-	/648	/372	/-

Wind reactions based on MWFRS
B Brg Wid = 5.5 Min Req = 1.5
L Brg Wid = 5.5 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	911	- 3334	G - H	599	- 2488
C - D	888	- 3184	H - I	853	- 3155
D - E	830	- 3178	I - J	836	- 3178
E - F	846	- 3155	J - K	915	- 3184
F - G	599	- 2488	K - L	937	- 3334

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - T	2887	- 706	Q - P	2720	- 436
T - S	3039	- 642	P - O	3054	- 653
S - R	3054	- 640	O - N	3039	- 655
R - Q	2720	- 432	N - L	2887	- 721

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
F - Q	293	- 529	Q - H	292	- 529
G - Q	2189	- 475			

Lumber

Top chord: 2x4 SP M-31;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W6 2x4 SP #2;

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-7-6.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2025

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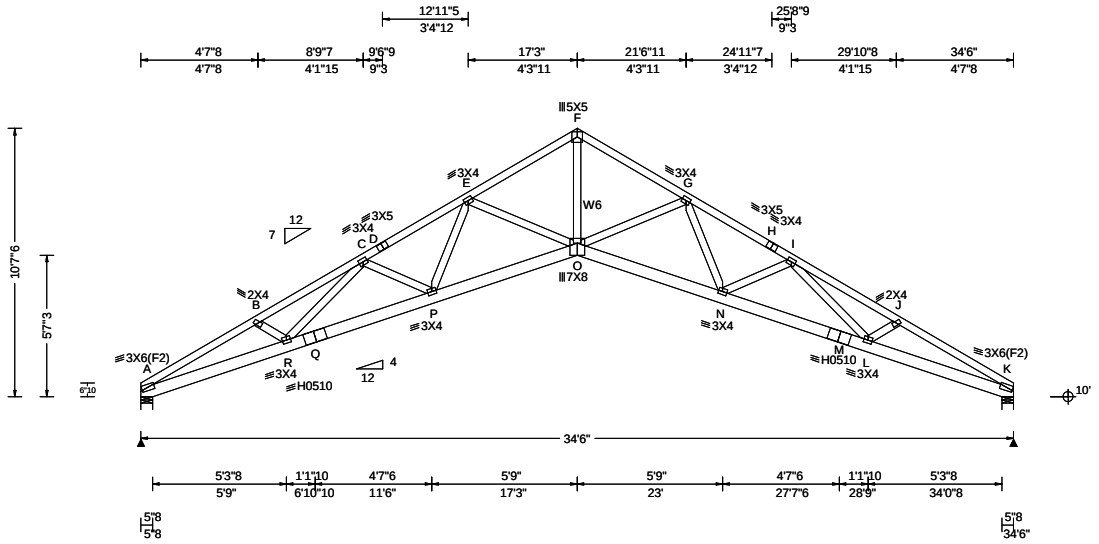
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536438 COMN FROM: RFG	Ply: 1 Qty: 1	**Job Number:** 22-8616B Terrell **Truss Label:** C3		Cust: R 215 JRef:1XMb2150006 T42 DrwNo: 016.23.0746.50947 KD / YK 01/16/2023	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	5.00
Des Ld:	32.00
NCBCLL:	10.00
Soffit:	2.00

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: 15.58 ft
TCDL: 4.2 psf
BCDL: 3.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.45 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.33

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)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.310	O	999	240
VERT(CL): 0.518	O	792	180
HORZ(LL): 0.251	K	-	-
HORZ(TL): 0.419	K	-	-

Creep Factor: 2.0
Max TC CSI: 0.349
Max BC CSI: 0.396
Max Web CSI: 0.502

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
A	1151	/-	/-	/544	/118	/265
K	1151	/-	/-	/544	/118	/-

Wind reactions based on MWFRS
A Brg Wid = 5.5 Min Req = 1.5
K Brg Wid = 5.5 Min Req = 1.5
Bearings A & 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	1062	- 3448	F - G	696	- 2523
B - C	1037	- 3292	G - H	957	- 3203
C - D	941	- 3227	H - I	941	- 3227
D - E	957	- 3203	I - J	1037	- 3292
E - F	696	- 2523	J - K	1062	- 3448

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - R	3001	- 883	O - N	2761	- 573
R - Q	3098	- 799	N - M	3113	- 797
Q - P	3113	- 797	M - L	3098	- 799
P - O	2761	- 573	L - K	3001	- 883

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
E - O	299	- 539	O - G	299	- 539
F - O	2225	- 570			

Lumber

Top chord: 2x4 SP M-31;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W6 2x4 SP #2;

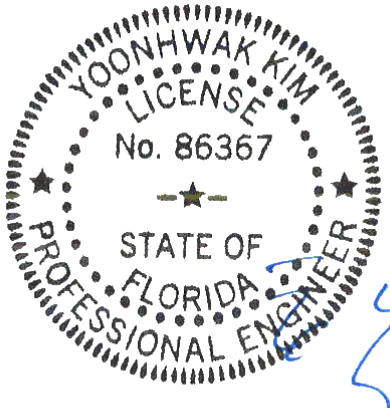
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-7-6.



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Florida Certificate of Product Approval #FL 1999
01/16/2025

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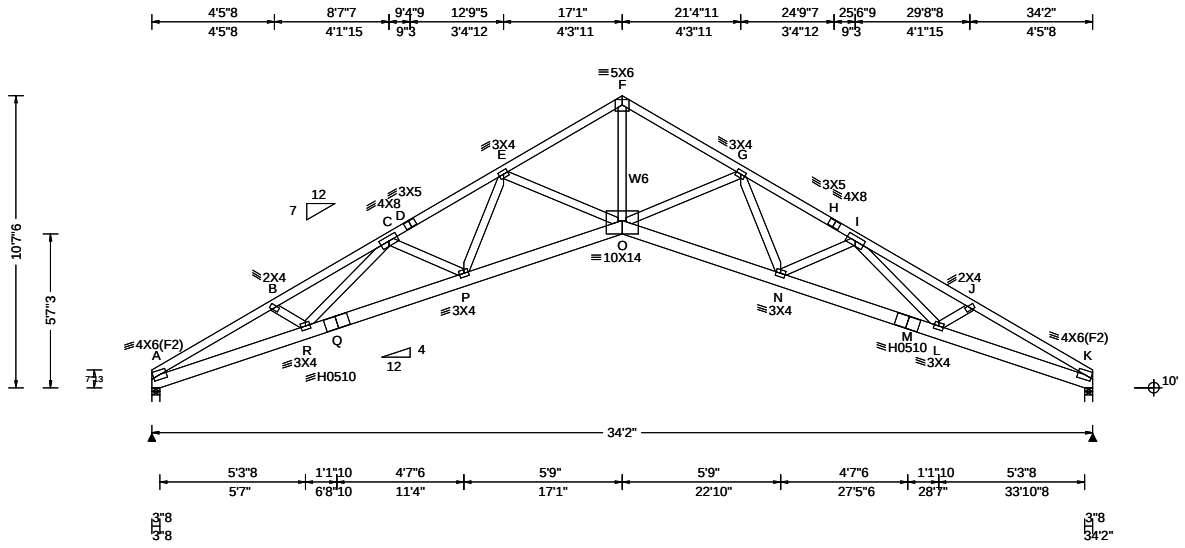
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536443 COMN FROM: RFG	Ply: 1 Qty: 3	**Job Number:** 22-8616B Terrell **Truss Label:** C4	Cust: R 215 JRef:1XMb2150006 T15 DrwNo: 016.23.0746.57530 KD / YK 01/16/2023	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	5.00
Des Ld:	32.00
NCBCLL:	10.00
Soffit:	2.00

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: 15.63 ft
TCDL: 4.2 psf
BCDL: 3.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.43 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.33

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)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.311	O	999	240
VERT(CL): 0.519	O	783	180
HORZ(LL): 0.253	K	-	-
HORZ(TL): 0.422	K	-	-

Creep Factor: 2.0
Max TC CSI: 0.410
Max BC CSI: 0.422
Max Web CSI: 0.491

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
A	1140	/-	/-	/540	/117	/262
K	1140	/-	/-	/540	/117	/-

Wind reactions based on MWFRS
A Brg Wid = 3.5 Min Req = 1.5
K Brg Wid = 3.5 Min Req = 1.5
Bearings A & 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	1016	- 3284	F - G	686	- 2475
B - C	992	- 3136	G - H	942	- 3138
C - D	926	- 3162	H - I	926	- 3162
D - E	942	- 3138	I - J	992	- 3136
E - F	686	- 2475	J - K	1016	- 3284

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - R	2838	- 840	O - N	2705	- 564
R - Q	3017	- 782	N - M	3032	- 780
Q - P	3032	- 780	M - L	3017	- 782
P - O	2705	- 564	L - K	2838	- 840

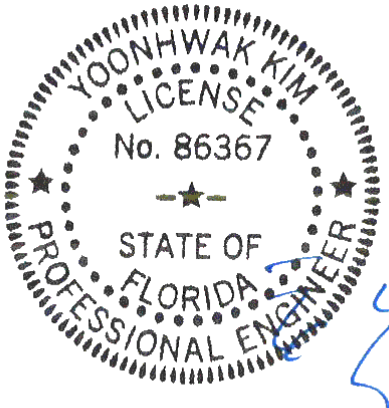
Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
E - O	295	- 526	O - G	295	- 526
F - O	2176	- 561			

Lumber
Top chord: 2x4 SP M-31;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W6 2x4 SP #2;

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

Additional Notes
The overall height of this truss excluding overhang is 10-7-6.



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Florida Certificate of Product Approval #FL 1999
01/16/2023

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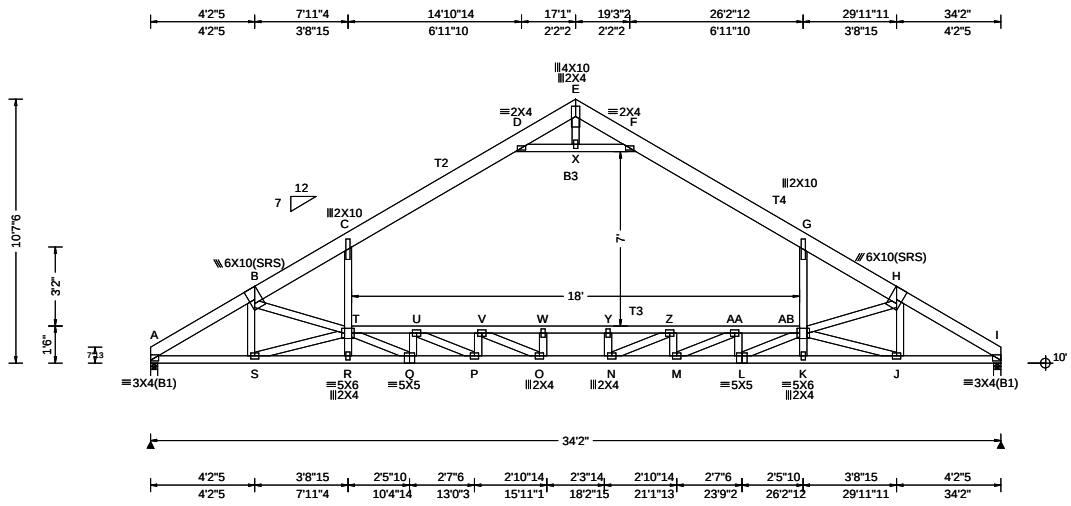
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536473 ATIC FROM: RFG	Ply: 2 Qty: 4	**Job Number:** 22-8616B Terrell **Truss Label:** C5		Cust: R 215 JRef:1XMb2150006 T16 DrwNo: 016.23.0747.11057 KD / YK 01/16/2023	

2 Complete Trusses Required



Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 32.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 16.0 "	**Wind Criteria** Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 0.00 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.33	**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)/10(0) Plate Type(s): WAVE	**Defl/CSI Criteria** PP Deflection in loc L/defl L/# VERT(LL): 0.334 W 999 240 VERT(CL): 0.657 W 618 180 HORZ(LL): 0.119 C - - HORZ(TL): 0.235 C - - Creep Factor: 2.0 Max TC CSI: 0.380 Max BC CSI: 0.362 Max Web CSI: 0.340 VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
A	1839	/-	/-	/355	/79	/174
I	1839	/-	/-	/355	/79	/-

Wind reactions based on MWFRS
A Brg Wid = 3.5 Min Req = 1.5
I Brg Wid = 3.5 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	196	- 1569	E - F	394	- 14
B - C	143	- 1252	F - G	158	- 914
C - D	158	- 914	G - H	143	- 1252
D - E	394	- 14	H - I	196	- 1569

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - S	1313	- 150	N - M	3075	- 161
S - R	1527	- 235	M - L	2452	- 184
R - Q	1545	- 238	L - K	1545	- 238
Q - P	2452	- 184	K - J	1527	- 235
P - O	3075	- 161	J - I	1313	- 150
O - N	3377	- 151			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - T	90	- 450	X - F	216	- 1488
C - T	637	- 8	Y - Z	86	- 2445
T - Q	893	- 47	Z -AA	97	- 2092
T - U	123	- 1458	M -AA	626	- 23
U - P	626	- 23	AA-AB	125	- 1458
U - V	97	- 2092	L -AB	893	- 50
V - W	86	- 2445	AB- G	637	- 12
D - X	216	- 1488	AB- H	90	- 450
W - Y	86	- 2462			

Lumber

Top chord: 2x6 SP 2400f-2.0E; T2,
T4 2x8 SP 2400f-2.0E; T3 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B3 2x4 SP #2;
Webs: 2x4 SP #3;

Nailnote

Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Plating Notes

All plates are 3X4 except as noted.

Loading

Attic room loading from 8-1-0 to 26-1-0: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Mechanical Unit Loads Supported by this Truss

At X-Loc	Truss Piece	Unit Lbs.	Unit Width	Supporting Trusses
12.42	TC	200.0	2.67	2
17.08	TC	200.0	2.67	2
21.75	TC	200.0	2.67	2

Purlins

Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

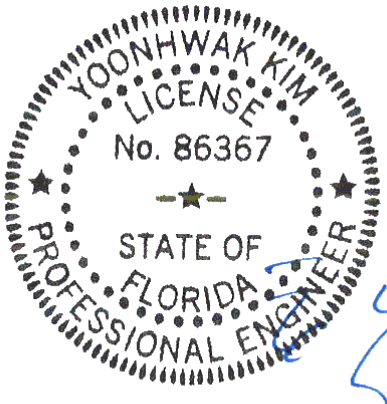
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-7-6.



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01/16/2023

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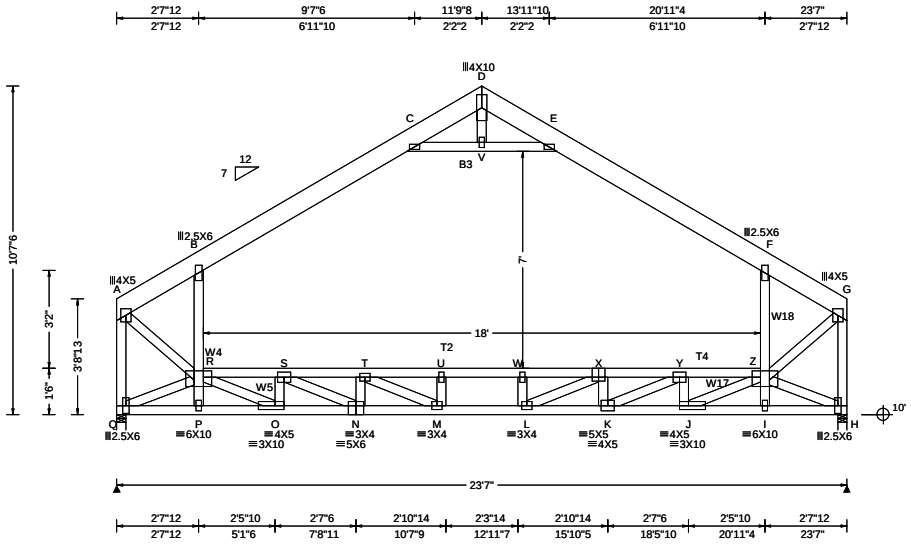
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536498 ATIC FROM:	Ply: 1 Qty: 2	**Job Number:** 22-8616B Terrell **Truss Label:** C6		Cust: R 215 JRef:1XMb2150006 T10 DrwNo: 016.23.0747.13867 KD / YK 01/16/2023	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	5.00
Des Ld:	32.00
NCBCLL:	10.00
Soffit:	2.00

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: 16.06 ft
TCDL: 4.2 psf
BCDL: 3.0 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: 1.33

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)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.226	U	999	240
VERT(CL): 0.388	W	728	180
HORZ(LL): 0.092	B	-	-
HORZ(TL): 0.165	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.316
Max BC CSI: 0.455
Max Web CSI: 0.592

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
Q	1959	/-	/-	/339	/87	/178
H	1959	/-	/-	/339	/87	/-

Wind reactions based on MWFRS
Q Brg Wid = 3.5 Min Req = 1.6
H Brg Wid = 3.5 Min Req = 1.6
Bearings Q & H are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	170	-1545	E - F	324	-1398
B - C	324	-1398	F - G	170	-1545

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
Q - P	499	-551	L - K	3180	0
P - O	506	-564	K - J	2075	-138
O - N	2074	-276	J - I	380	-564
N - M	3181	-107	I - H	373	-538
M - L	3685	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - Q	189	-2051	D - V	385	-70
A - R	1542	-188	V - E	304	-1428
Q - R	578	-345	W - X	0	-2701
B - R	495	-171	L - X	720	-142
R - O	2238	-55	X - K	49	-576
R - S	254	-882	X - Y	130	-2047
O - S	39	-877	K - Y	1251	-28
S - N	1253	-29	Y - J	41	-876
S - T	82	-2048	Y - Z	303	-883
N - T	48	-575	J - Z	2238	-65
T - M	718	-140	Z - F	495	-184
T - U	0	-2700	Z - G	1542	-188
C - V	304	-1428	Z - H	578	-399
U - W	0	-2731	G - H	189	-2051

Lumber

Top chord: 2x8 SP 2400f-2.0E; T2,T4 2x4 SP #2;
Bot chord: 2x4 SP M-31; B3 2x4 SP #2;
Webs: 2x4 SP #3; W4,W5,W17,W18 2x4 SP #2;

Plating Notes

All plates are 2X4 except as noted.

Loading

Attic room loading from 2-9-8 to 20-9-8: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Purlins

Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Wind

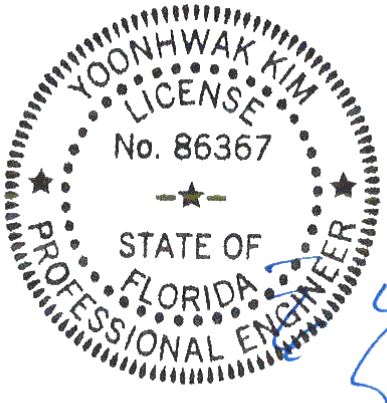
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-7-6.



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Florida Certificate of Product Approval #FL 1999
01/16/2023

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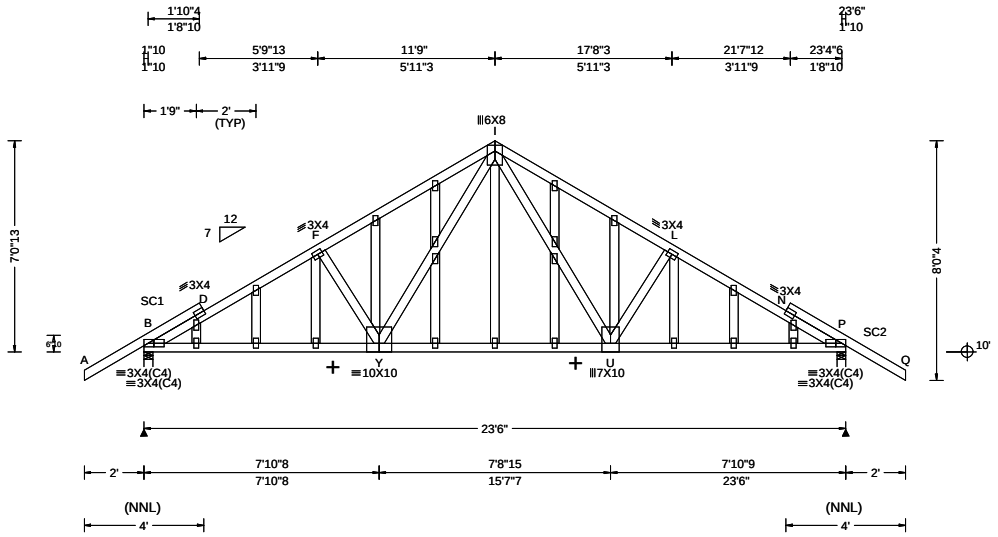
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536430 GABL FROM: RFG	Ply: 1 Qty: 1	**Job Number:** 22-8616B Terrell **Truss Label:** D1	Cust: R 215 JRef:1XMb2150006 T37 DrwNo: 016.23.0747.40630 KD / YK 01/16/2023	



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: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.113 H 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.204 H 999 180
BCDL: 5.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.048 E - -
Des Ld: 32.00	EXP: C Kzt: NA		HORZ(TL): 0.087 E - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 4.2 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.754
Load Duration: 1.25	BCDL: 3.0 psf	TPI Std: 2014	Max BC CSI: 0.980
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Varies by Ld Case	Max Web CSI: 0.651
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: Any	Plate Type(s):	VIEW Ver: 20.01.01A.0724.11
	GCpi: 0.18	WAVE	
	Wind Duration: 1.33		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1991	/-	/-	/703	/266	/119
P	1991	/-	/-	/703	/266	/-

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 2.3
P Brg Wid = 3.5 Min Req = 2.3
Bearings B & P Fcperp = 565psi.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - D	268	- 1895	I - L	664	- 2392
B - D	160	- 916	L - N	494	- 2699
D - F	265	- 2699	N - P	502	- 1895
F - I	298	- 2392	N - P	39	- 916

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - Y	2323	0	U - P	2323	- 54
Y - U	1524	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
F - Y	0	- 545	I - U	906	- 595
Y - I	905	0	U - L	314	- 545

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

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

Wind

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

Wind loading based on both gable and hip roof types.

+ Member to be laterally braced for horizontal wind loads. bracing system to be desiged and furnished by others.

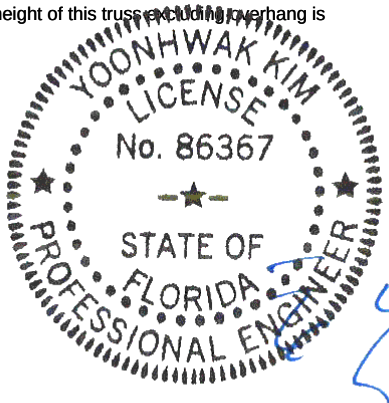
It is the responsibility of the building designer and truss fabricator to review this dwg prior to cutting lumber to verify that all data, including dimensions and loads, conform to the architectural plans, specifications and fabricator's truss layout.

Additional Notes

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

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

The overall height of this truss excluding overhang is 9-0-13.



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01/16/2023

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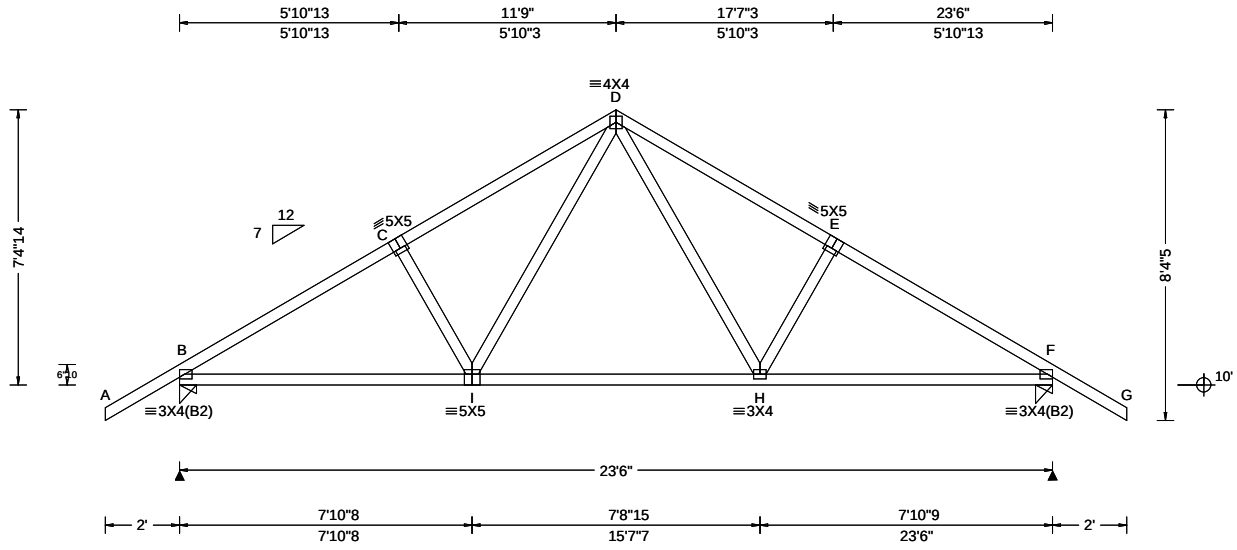
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536425 COMN FROM: RFG	Ply: 1 Qty: 3	**Job Number:** 22-8616B Terrell **Truss Label:** D2	Cust: R 215 JRef:1XMb2150006 T39 DrwNo: 016.23.0747.42413 KD / YK 01/16/2023



Loading Criteria (psf)

TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	5.00
Des Ld:	32.00
NCBCLL:	10.00
Soffit:	2.00

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: 4.2 psf
BCDL: 3.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.33

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)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.075	H	999	240
VERT(CL): 0.118	H	999	180
HORZ(LL): 0.040	F	-	-
HORZ(TL): 0.062	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.567
Max BC CSI: 0.616
Max Web CSI: 0.249

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	968	/-	/-	/463	/266	/235
F	968	/-	/-	/463	/266	/-

Wind reactions based on MWFRS
B Brg Wid = 5.5 Min Req = 1.5
F Brg Wid = 5.5 Min Req = 1.5
Bearings B & F are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	529	- 1297	D - E	563	- 1140
C - D	564	- 1139	E - F	528	- 1298

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - I	1036	- 290	H - F	1037	- 312
I - H	720	- 95			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
I - D	409	- 196	D - H	410	- 195

Lumber

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

Loading

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

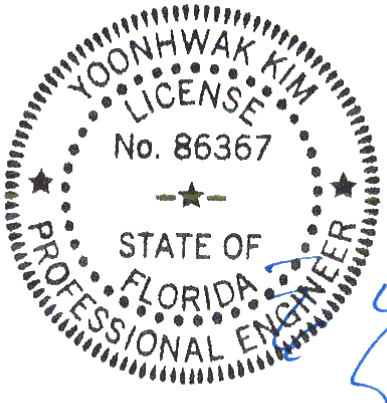
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 7-4-14.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2023

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

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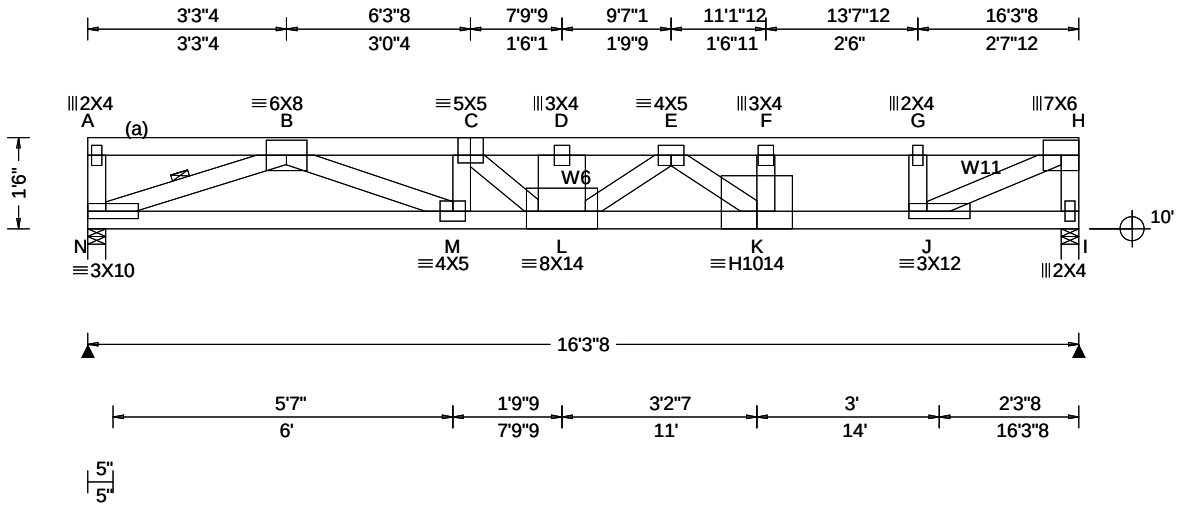
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536476 FLAT FROM: RFG	Ply: 3 Qty: 1	**Job Number:** 22-8616B Terrell **Truss Label:** FG1	Cust: R 215 JRef:1XMb2150006 T25 DrwNo: 016.23.0748.39517 KD / YK 01/16/2023	

3 Complete Trusses Required



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.277 E 705 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.463 E 422 360
BCDL: 5.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.048 A - -
Des Ld: 55.00	EXP: NA Kzt: NA		HORZ(TL): 0.080 A - -
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.567
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.773
Spacing: 24.0 "	MWFRS Parallel Dist: NA	Rep Fac: No	Max Web CSI: 0.897
	C&C Dist a: NA ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: NA	Plate Type(s):	
	I: NA GCpi: NA	WAVE, HS	VIEW Ver: 20.01.01A.0724.11
	Wind Duration: NA		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
N	4862	/-	/-	/-	/-	/-
I	2458	/-	/-	/-	/-	/-

N Brg Wid = 3.5 Min Req = 1.5
I Brg Wid = 3.5 Min Req = 1.5
Bearings N & 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	0	-4901	E - F	0	-2413
C - D	0	-4621	F - G	0	-2324
D - E	0	-4621	G - H	0	-2243

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
N - M	3596	0	L - K	3722	0
M - L	5060	0	K - J	2324	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
N - B	0	-3804	E - K	0	-1724
B - M	1427	0	K - F	742	0
M - C	0	-679	G - J	0	-676
C - L	15	-563	J - H	2501	0
L - E	1083	0	H - I	0	-959

Lumber

Top chord: 2x4 SP M-31;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3; W6 2x10 SP 2400f-2.0E;
W11 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Nailnote

Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @ 2.50" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

------(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC: From	576 plf at	0.00 to	576 plf at	6.29
TC: From	100 plf at	6.29 to	100 plf at	16.29
BC: From	10 plf at	0.00 to	10 plf at	16.29

TC: 2002 lb Conc. Load at 5.94
BC: 530 lb Conc. Load at 7.79

Purlins

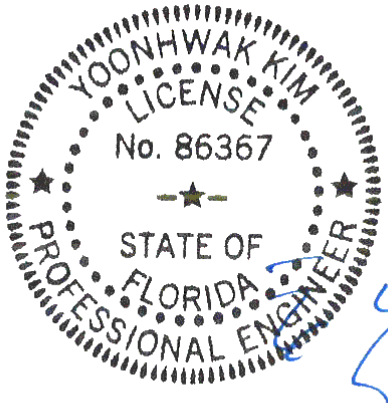
The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

THIS TRUSS MUST BE INSTALLED AS SHOWN AND NOT END FOR END.

Additional Notes

Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is 1-6-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2023

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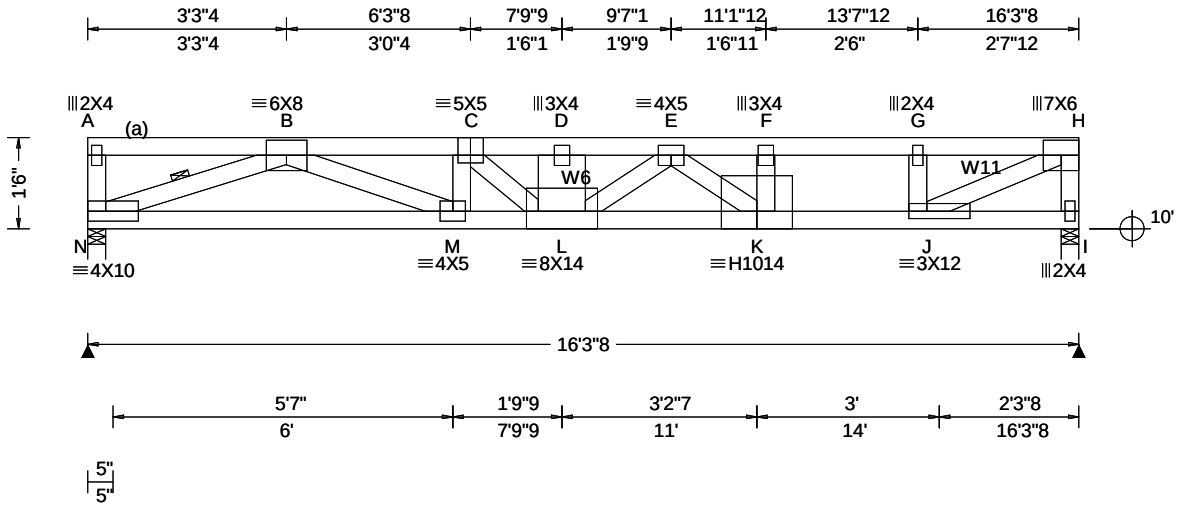
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536339 FLAT FROM: RFG	Ply: 2 Qty: 1	**Job Number:** 22-8616B Terrell **Truss Label:** FG1A	Cust: R 215 JRef:1XMb2150006 T27 DrwNo: 016.23.0834.53327 KD / YK 01/16/2023	

2 Complete Trusses Required



Loading Criteria (psf)
TCLL: 40.00
TCDL: 10.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 55.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 24.0 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: 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): 0.262	E	745	480
VERT(CL): 0.446	E	438	360
HORZ(LL): 0.046	A	-	-
HORZ(TL): 0.077	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.625
Max BC CSI: 0.823
Max Web CSI: 0.918

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
N	3589	/-	/-	/-	/-	/-
I	1728	/-	/-	/-	/-	/-

N Brg Wid = 3.5 Min Req = 1.5
I Brg Wid = 3.5 Min Req = 1.5
Bearings N & 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	0	-4440	E - F	0	-2429
C - D	0	-4395	F - G	0	-2348
D - E	0	-4395	G - H	0	-2265

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
N - M	3683	0	L - K	3635	0
M - L	4536	0	K - J	2348	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - N	0	-414	E - K	0	-1588
N - B	0	-3891	K - F	675	0
B - M	827	0	G - J	0	-700
M - C	0	-411	J - H	2524	0
L - E	916	0	H - I	0	-994

Lumber
Top chord: 2x4 SP M-31;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3; W6 2x10 SP 2400f-2.0E;
W11 2x4 SP #2;

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

Nailnote
Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @ 4.25" 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.

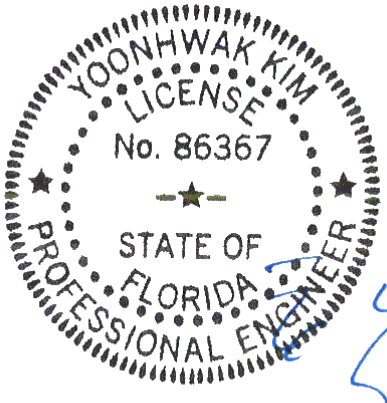
Special Loads
------(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC: From	576 plf at	0.00 to	576 plf at	6.29
TC: From	100 plf at	6.29 to	100 plf at	16.29
BC: From	10 plf at	0.00 to	10 plf at	16.29
BC:	530 lb Conc. Load at	7.79		

Purlins
The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Additional Notes
Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 1-6-0.

THIS TRUSS MUST BE INSTALLED AS SHOWN AND NOT END FOR END.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2023

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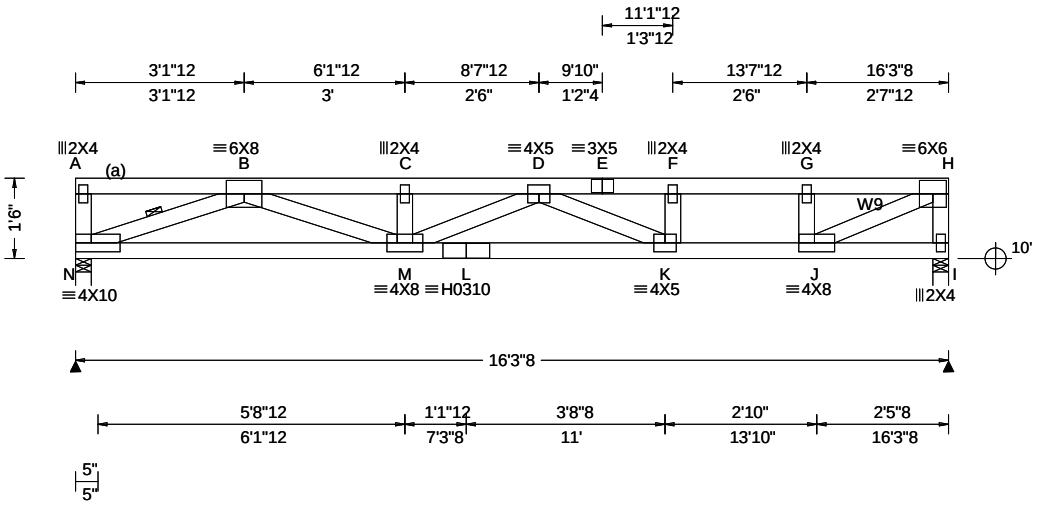
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536500 FLAT FROM: RFG	Ply: 2 Qty: 1	**Job Number:** 22-8616B Terrell **Truss Label:** FG1B	Cust: R 215 JRef:1XMb2150006 T30 DrwNo: 016.23.0809.08020 KD / YK 01/16/2023	

2 Complete Trusses Required



Loading Criteria (psf)

TCLL:	40.00
TCDL:	10.00
BCLL:	0.00
BCDL:	5.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.00
Spacing: 16.0 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: 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): 0.241	D	810	480
VERT(CL): 0.428	D	456	360
HORZ(LL): 0.043	A	-	-
HORZ(TL): 0.076	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.534
Max BC CSI: 0.847
Max Web CSI: 0.899

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
N	3508	/-	/-	/12	/-	/-
I	1453	/-	/-	/-	/89	/-

N Brg Wid = 3.5 Min Req = 1.5
I Brg Wid = 3.5 Min Req = 1.5
Bearings N & 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	95	-4557	E - F	100	-2144
C - D	95	-4557	F - G	100	-2087
D - E	100	-2144	G - H	95	-2014

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
N - M	3601	-20	L - K	3606	-128
M - L	3606	-128	K - J	2087	-100

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
N - B	22	-3830	K - F	485	0
B - M	1030	-81	G - J	40	-610
C - M	24	-773	J - H	2246	-106
M - D	1072	0	H - I	50	-858
D - K	31	-1666			

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Nailnote

Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @ 3.75" 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.=1.00 / Plate Dur.Fac.=1.00)

TC: From	543 plf at	0.00 to	543 plf at	6.29
TC: From	67 plf at	6.29 to	67 plf at	16.29
BC: From	7 plf at	0.00 to	7 plf at	16.29

TC: 771 lb Conc. Load at 5.85

Purlins

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Wind

End verticals not exposed to wind pressure.

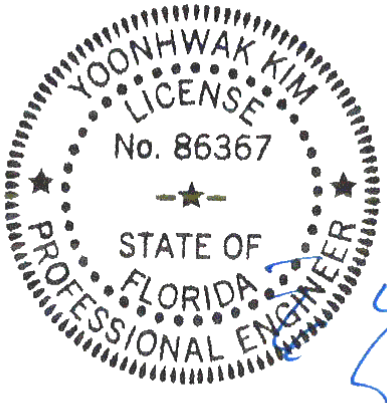
THIS TRUSS MUST BE INSTALLED AS SHOWN AND NOT END FOR END.

Additional Notes

Provide uplift connections at bearings as indicated.
UPLIFT (LB): 90
BRG.LOC (FT): 0.00 16.00
Truss designed for 130.00 mph wind, 15.00 ft mean height with dead load of 5.00 psf (Top) and 3.00 psf (Bottom). Enclosed building (SBC)

Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is 1-6-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2023

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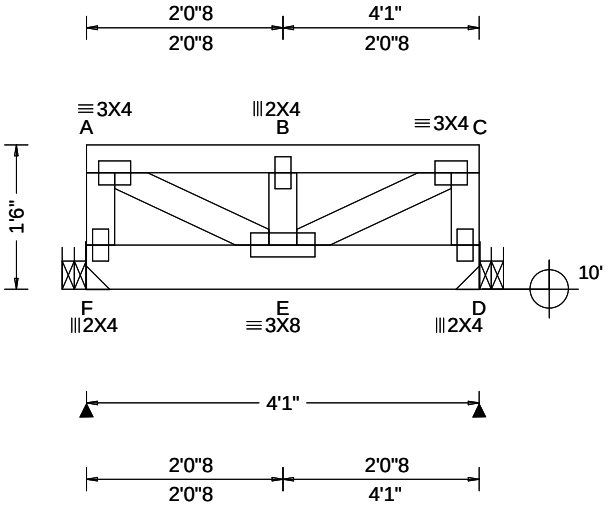
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536330 FLAT FROM: RFG	Ply: 2 Qty: 1	**Job Number:** 22-8616B Terrell **Truss Label:** FG1C	Cust: R 215 JRef:1XMb2150006 T2 DrwNo: 016.23.0750.08663 KD / YK 01/16/2023

2 Complete Trusses Required



Loading Criteria (psf)

TCLL:	40.00
TCDL:	10.00
BCLL:	0.00
BCDL:	5.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.00
Spacing: 24.0 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: 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): 0.003	B	999	480
VERT(CL): 0.005	B	999	360
HORZ(LL): 0.001	A	-	-
HORZ(TL): 0.001	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.039
Max BC CSI: 0.064
Max Web CSI: 0.145

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	530	/-	/-	/-	/-	/-
D	615	/-	/-	/-	/-	/-
F	Brg Wid = -					
D	Brg Wid = -					

Members not listed have forces less than 375#

Lumber

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

Nailnote

Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 5.25" 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.=1.00 / Plate Dur.Fac.=1.00)

TC: From	50 plf at	0.00 to	50 plf at	4.08
BC: From	5 plf at	0.00 to	5 plf at	4.08

BC: 460 lb Conc. Load at 1.23, 3.23

Hangers / Ties

(J) Hanger Support Required, by others

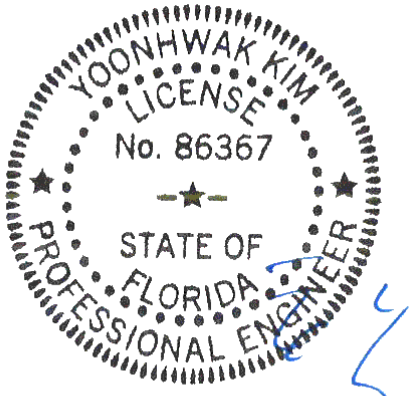
Purlins

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Additional Notes

Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is 1-6-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2025

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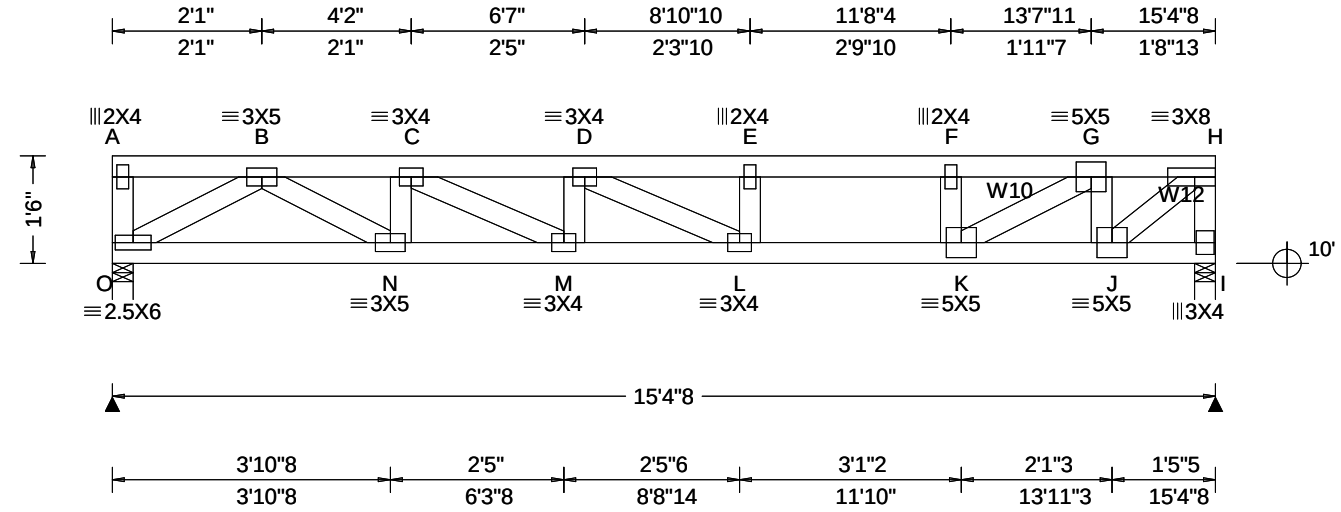
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536408 FLAT FROM: RFG	Ply: 2 Qty: 2	**Job Number:** 22-8616B Terrell **Truss Label:** FG2		Cust: R 215 JRef:1XMb2150006 T48 DrwNo: 016.23.0822.22730 KD / YK 01/16/2023	

2 Complete Trusses Required



Loading Criteria (psf)
TCLL: 40.00
TCDL: 10.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 55.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 24.0 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.112	E	999	480
VERT(CL): 0.228	E	809	360
HORZ(LL): 0.021	A	-	-
HORZ(TL): 0.045	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.600
Max BC CSI: 0.531
Max Web CSI: 0.472

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
O	1382	/-	/-	/-	/-	/-
I	2314	/-	/-	/-	/-	/-

O Brg Wid = 3.5 Min Req = 1.5
I Brg Wid = 3.5 Min Req = 1.5
Bearings O & 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	0	-1843	E - F	0	-2998
C - D	0	-2672	F - G	0	-2897
D - E	0	-2974	G - H	0	-1245

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
O - N	1081	0	L - K	2998	0
N - M	1965	0	K - J	1507	0
M - L	2756	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
O - B	0	-1243	F - K	0	-841
B - N	920	0	K - G	1672	0
N - C	0	-519	G - J	0	-1116
C - M	813	0	J - H	1616	0
D - L	523	-84	H - I	0	-1128

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3; W10,W12 2x4 SP #2;

Nailnote
Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @ 7.25" 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.=1.00 / Plate Dur.Fac.=1.00)

TC: From	100 plf at	0.00 to	100 plf at	6.29
TC: From	210 plf at	6.29 to	210 plf at	15.37
BC: From	10 plf at	0.00 to	10 plf at	15.37

TC: 1006 lb Conc. Load at 11.69

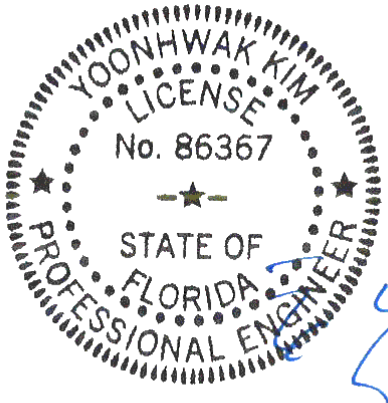
Purlins
The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Additional Notes
Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is 1-6-0.

THIS TRUSS MUST BE INSTALLED AS SHOWN AND NOT END FOR END.

It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data, including dimensions and loads, conform to the architectural plans/specifications and fabricators truss layout.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2025

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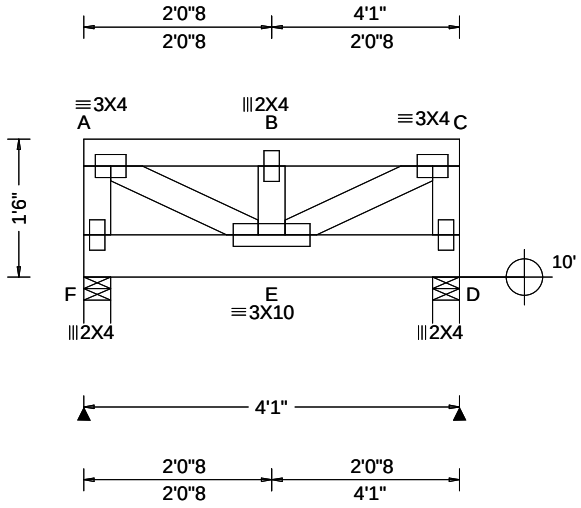
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536455 FLAT FROM: RFG	Ply: 2 Qty: 1	**Job Number:** 22-8616B Terrell **Truss Label:** FG3	Cust: R 215 JRef:1XMb2150006 T36 DrwNo: 016.23.0822.44717 KD / YK 01/16/2023	

2 Complete Trusses Required



Loading Criteria (psf)
TCLL: 40.00
TCDL: 10.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 55.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 24.0 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: 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): 0.009	B	999	480
VERT(CL): 0.012	B	999	360
HORZ(LL): 0.002	A	-	-
HORZ(TL): 0.002	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.093
Max BC CSI: 0.146
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
F	1430	/-	/-	/-	/-	/-
D	1833	/-	/-	/-	/-	/-

F Brg Wid = 3.5 Min Req = 1.5
D Brg Wid = 3.5 Min Req = 1.5
Bearings F & D 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	0	-708	B - C	0	-708

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - F	0	-424	E - C	801	0
A - E	801	0	C - D	0	-424

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

Nailnote
Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 3.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

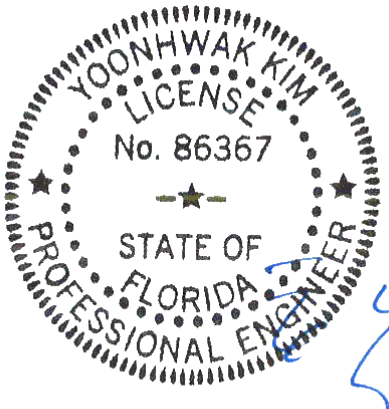
Special Loads
------(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC: From	50 plf at	0.00 to	50 plf at	4.08
BC: From	5 plf at	0.00 to	5 plf at	4.08

BC: 1013 lb Conc. Load at 0.90, 2.35, 3.69

Purlins
The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Additional Notes
Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 1-6-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
01/16/2023 Certificate of Product Approval #FL 1999

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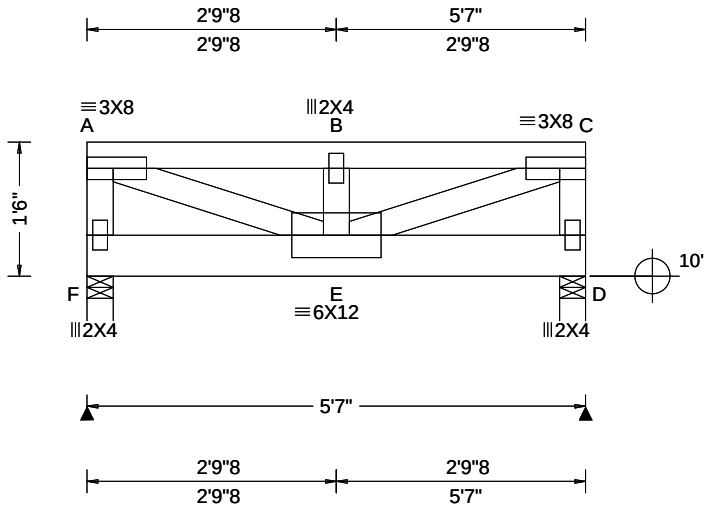
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536493 FLAT FROM: RFG	Ply: 2 Qty: 1	**Job Number:** 22-8616B Terrell **Truss Label:** FG4	Cust: R 215 JRef:1XMb2150006 T5 DrwNo: 016.23.0802.13787 KD / YK 01/16/2023

2 Complete Trusses Required



Loading Criteria (psf)

TCLL:	40.00
TCDL:	10.00
BCLL:	0.00
BCDL:	5.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	0.00

Load Duration: 1.00
Spacing: 24.0 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: 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): 0.031	B	999	480
VERT(CL): 0.043	B	999	360
HORZ(LL): 0.005	A	-	-
HORZ(TL): 0.007	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.236
Max BC CSI: 0.338
Max Web CSI: 0.797

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	2135	/-	/-	/-	/-	/-
D	1835	/-	/-	/-	/-	/-

F Brg Wid = 3.5 Min Req = 1.5
D Brg Wid = 3.5 Min Req = 1.5
Bearings F & D 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	0	-1567	B - C	0	-1567

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - F	0	-679	E - C	1673	0
A - E	1671	0	C - D	0	-679

Lumber

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

Nailnote

Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 3.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

------(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 50 plf at 0.00 to 50 plf at 5.58
BC: From 5 plf at 0.00 to 5 plf at 5.58
BC: 1263 lb Conc. Load at 1.48, 3.48
BC: 487 lb Conc. Load at 1.60
BC: 651 lb Conc. Load at 3.60

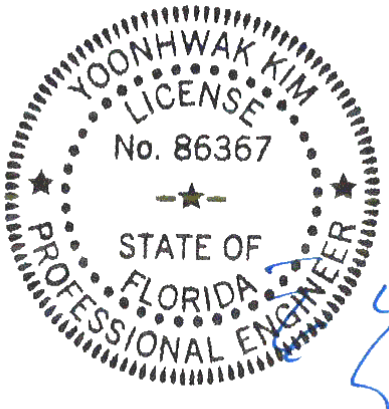
Purlins

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Additional Notes

Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is 1-6-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
01/16/2023 Certificate of Product Approval #FL 1999

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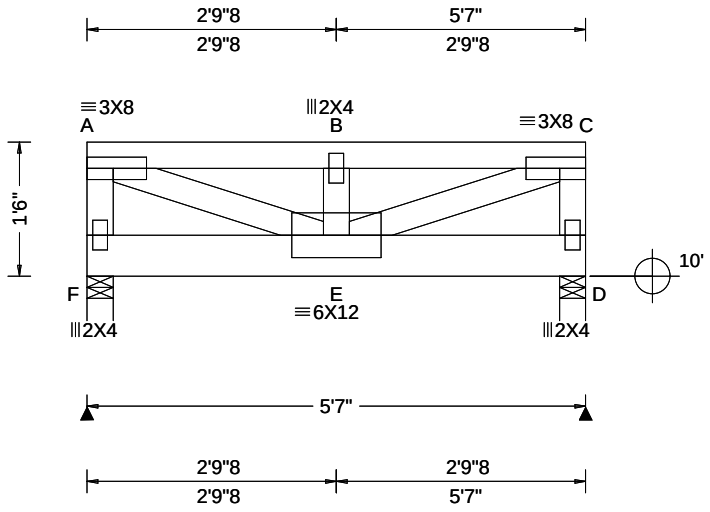
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536495 FLAT FROM: RFG	Ply: 2 Qty: 1	**Job Number:** 22-8616B Terrell **Truss Label:** FG5	Cust: R 215 JRef:1XMb2150006 T18 DrwNo: 016.23.0804.25660 KD / YK 01/16/2023	

2 Complete Trusses Required



Loading Criteria (psf)

TCLL:	40.00
TCDL:	10.00
BCLL:	0.00
BCDL:	5.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.00
Spacing: 24.0 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: 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): 0.031	B	999	480
VERT(CL): 0.043	B	999	360
HORZ(LL): 0.005	A	-	-
HORZ(TL): 0.007	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.236
Max BC CSI: 0.338
Max Web CSI: 0.797

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	1835	/-	/-	/-	/-	/-
D	2135	/-	/-	/-	/-	/-

F Brg Wid = 3.5 Min Req = 1.5
D Brg Wid = 3.5 Min Req = 1.5
Bearings F & D 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	0	-1567	B - C	0	-1567

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - F	0	-679	E - C	1671	0
A - E	1673	0	C - D	0	-679

Lumber

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

Nailnote

Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 3.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

------(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC: From	50 plf at	0.00 to	50 plf at	5.58
BC: From	5 plf at	0.00 to	5 plf at	5.58

BC: 651 lb Conc. Load at 1.98
BC: 1263 lb Conc. Load at 2.10, 4.10
BC: 487 lb Conc. Load at 3.98

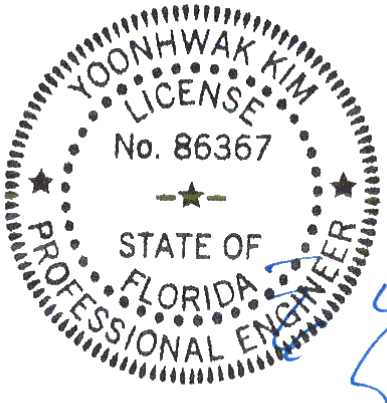
Purlins

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Additional Notes

Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is 1-6-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2023

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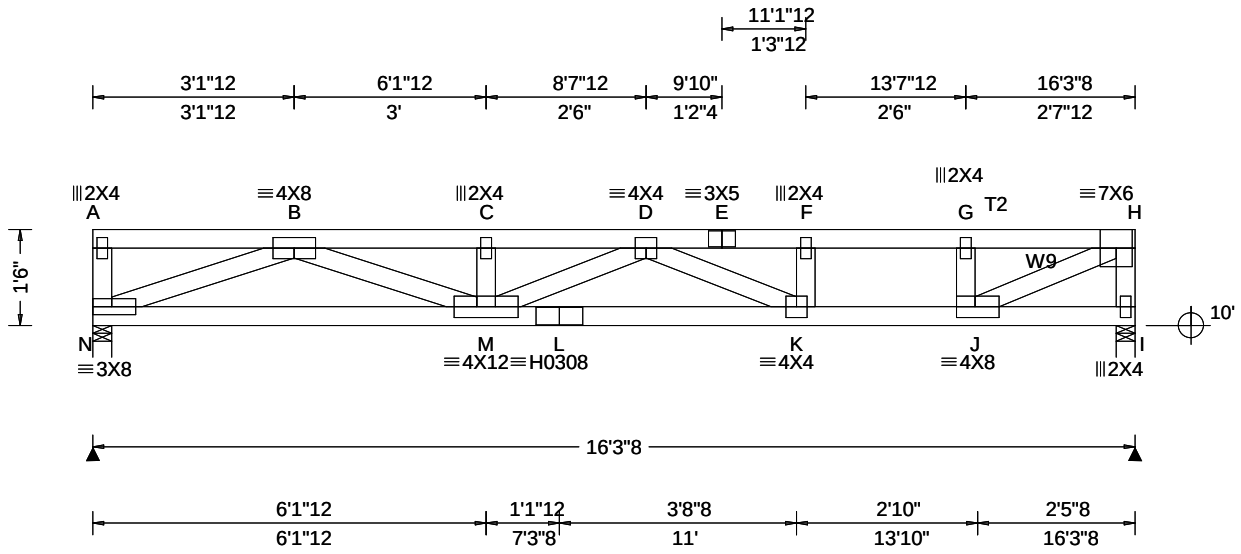
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536357 FLAT FROM: RFG	Ply: 1 Qty: 7	**Job Number:** 22-8616B Terrell **Truss Label:** FL1	Cust: R 215 JRef:1XMb2150006 T24 DrwNo: 016.23.0823.02947 KD / YK 01/16/2023



Loading Criteria (psf)

TCLL:	40.00
TCDL:	10.00
BCLL:	0.00
BCDL:	5.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.00
Spacing: 16.0 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: 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): 0.274	D	713	480
VERT(CL): 0.425	D	459	360
HORZ(LL): 0.046	A	-	-
HORZ(TL): 0.072	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.682
Max BC CSI: 0.833
Max Web CSI: 0.824

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
N	1015	/-	/-	/-	/-	/-
I	850	/-	/-	/-	/-	/-

N Brg Wid = 3.5 Min Req = 1.5
I Brg Wid = 3.5 Min Req = 1.5
Bearings N & 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	0	- 3962	E - F	0	- 2289
C - D	0	- 3962	F - G	0	- 2242
D - E	0	- 2289	G - H	0	- 2160

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
N - M	2357	0	L - K	3538	0
M - L	3538	0	K - J	2242	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
N - B	0	- 2509	K - F	396	0
B - M	1730	0	G - J	0	- 684
C - M	0	- 757	J - H	2406	0
M - D	504	0	H - I	0	- 971
D - K	0	- 1449			

Lumber

Top chord: 2x4 SP #2; T2 2x4 SP M-31;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3; W9 2x4 SP #2;

Special Loads

------(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 67 plf at 0.00 to 67 plf at 16.29
BC: From 7 plf at 0.00 to 7 plf at 16.29
TC: 671 lb Conc. Load at 6.15

Purlins

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

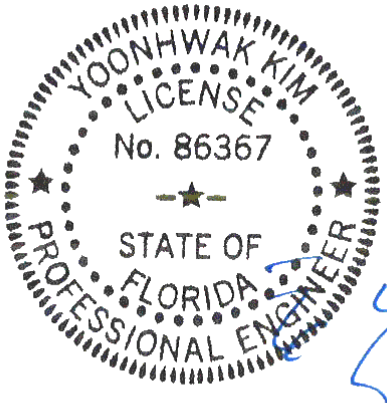
Additional Notes

Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is 1-6-0.

THIS TRUSS MUST BE INSTALLED AS SHOWN AND NOT END FOR END.

It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data, including dimensions and loads, conform to the architectural plans/specifications and fabricators truss layout.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2023

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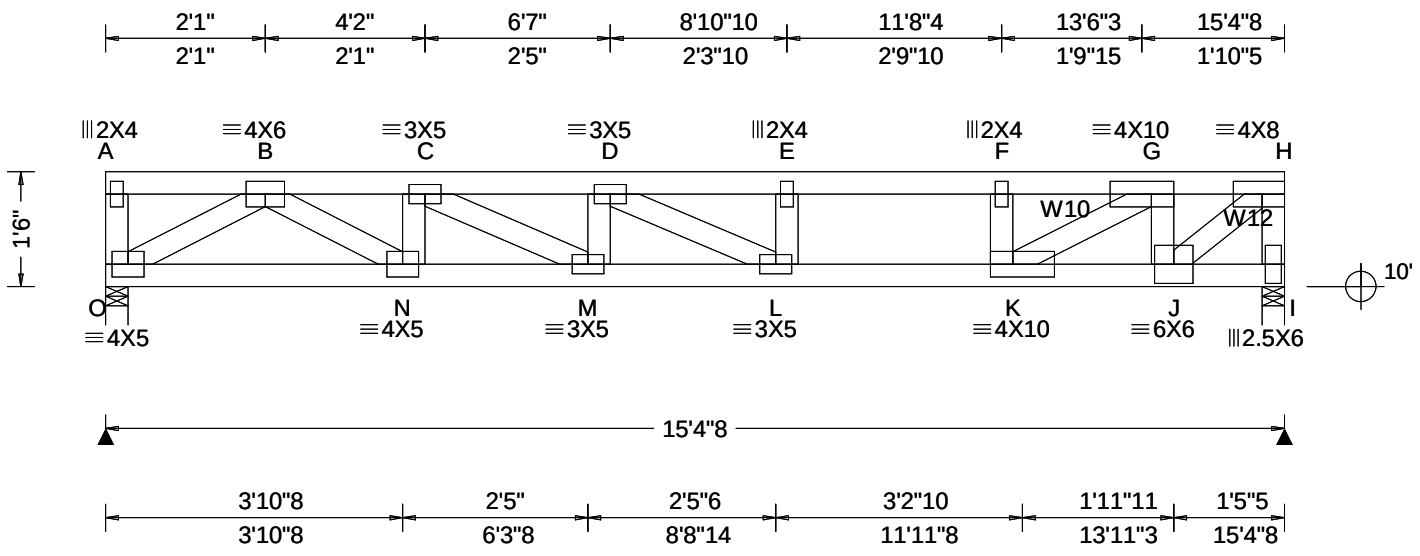
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536480 FLAT FROM: RFG	Ply: 1 Qty: 6	**Job Number:** 22-8616B Terrell **Truss Label:** FL1A	Cust: R 215 JRef:1XMb2150006 T26 DrwNo: 016.23.0823.47563 KD / YK 01/16/2023	



Loading Criteria (psf)

TCLL:	40.00
TCDL:	10.00
BCLL:	0.00
BCDL:	5.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.00
Spacing: 24.0 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.202	L	915	480
VERT(CL): 0.289	E	638	360
HORZ(LL): 0.039	A	-	-
HORZ(TL): 0.061	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.770
Max BC CSI: 0.673
Max Web CSI: 0.672

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
O	1087	/-	/-	/-	/-	/-
I	1610	/-	/-	/-	/-	/-

O Brg Wid = 3.5 Min Req = 1.5
I Brg Wid = 3.5 Min Req = 1.5
Bearings O & 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	0	-2763	E - F	0	-4287
C - D	0	-3801	F - G	0	-4133
D - E	0	-4260	G - H	0	-1789

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
O - N	1663	0	L - K	4287	0
N - M	2935	0	K - J	2152	0
M - L	3909	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
O - B	0	-1912	F - K	0	-1282
B - N	1327	0	K - G	2383	0
N - C	0	-735	G - J	0	-1543
C - M	995	0	J - H	2324	0
M - D	0	-461	H - I	0	-1578
D - L	950	-167			

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3; W10,W12 2x4 SP #2;

Special Loads

------(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 100 plf at 0.00 to 100 plf at 15.37
BC: From 10 plf at 0.00 to 10 plf at 15.37
TC: 1006 lb Conc. Load at 11.69

Purlins

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

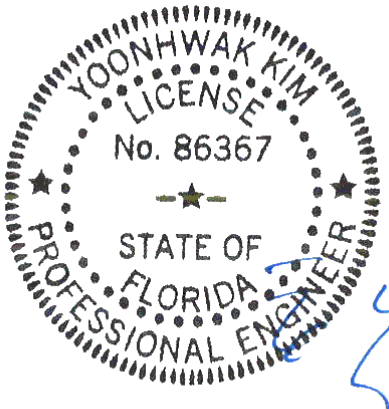
Additional Notes

Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is 1-6-0.

THIS TRUSS MUST BE INSTALLED AS SHOWN AND NOT END FOR END.

It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data, including dimensions and loads, conform to the architectural plans/specifications and fabricators truss layout.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2023

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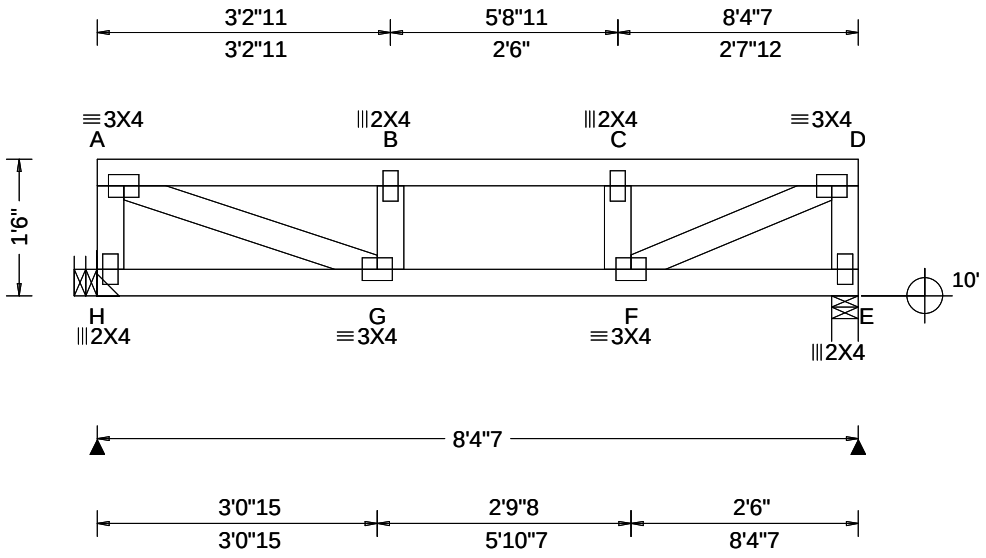
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536327 FLAT FROM: RFG	Ply: 1 Qty: 2	**Job Number:** 22-8616B Terrell **Truss Label:** FL1B	Cust: R 215 JRef:1XMb2150006 T29 DrwNo: 016.23.0824.39780 KD / YK 01/16/2023



Loading Criteria (psf)
TCLL: 40.00
TCDL: 10.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 55.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 24.0 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.030	B	999	480
VERT(CL): 0.047	B	999	360
HORZ(LL): 0.009	A	-	-
HORZ(TL): 0.014	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.329
Max BC CSI: 0.335
Max Web CSI: 0.380

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
H	460	/-	/-	/-	/-	/-
E	460	/-	/-	/-	/-	/-

H Brg Wid = - Min Req = -
E Brg Wid = 3.5
Bearing E is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	0	-727	C - D	0	-725
B - C	0	-761			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
G - F	761	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - H	0	-432	F - D	798	0
A - G	765	0	D - E	0	-454

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

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

Additional Notes
Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 1-6-0.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2023

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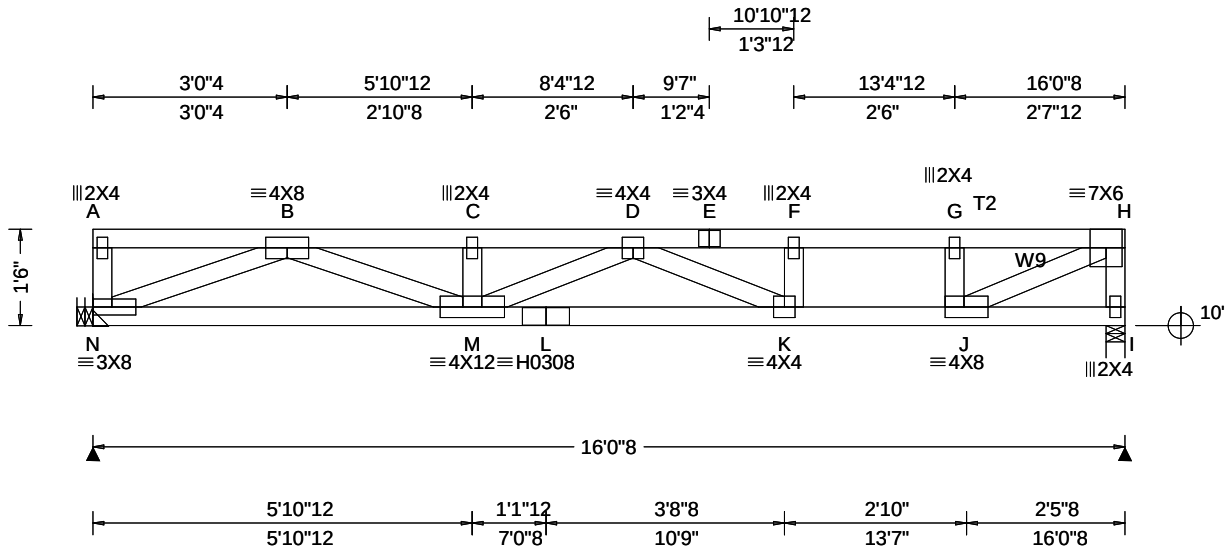
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536350 FLAT FROM: RFG	Ply: 1 Qty: 3	**Job Number:** 22-8616B Terrell **Truss Label:** FL2		Cust: R 215 JRef:1XMb2150006 T28 DrwNo: 016.23.0818.29803 KD / YK 01/16/2023	



Loading Criteria (psf)

TCLL:	40.00
TCDL:	10.00
BCLL:	0.00
BCDL:	5.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.00
Spacing: 16.0 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: 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): 0.259	D	742	480
VERT(CL): 0.402	D	478	360
HORZ(LL): 0.045	A	-	-
HORZ(TL): 0.070	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.662
Max BC CSI: 0.811
Max Web CSI: 0.808

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
N	1013	/-	/-	/-	/-	/-
I	835	/-	/-	/-	/-	/-

N Brg Wid = - Min Req = -
I Brg Wid = 3.5
Bearing I 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	0	-3832	E - F	0	-2236
C - D	0	-3832	F - G	0	-2192
D - E	0	-2236	G - H	0	-2111

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
N - M	2268	0	L - K	3441	0
M - L	3441	0	K - J	2192	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
N - B	0	-2428	K - F	381	0
B - M	1698	0	G - J	0	-670
C - M	0	-754	J - H	2352	0
M - D	468	0	H - I	0	-952
D - K	0	-1400			

Lumber

Top chord: 2x4 SP #2; T2 2x4 SP M-31;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3; W9 2x4 SP #2;

Special Loads

------(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 67 plf at 0.00 to 67 plf at 16.04
BC: From 7 plf at 0.00 to 7 plf at 16.04
TC: 671 lb Conc. Load at 5.90

Hangers / Ties

(J) Hanger Support Required, by others

Purlins

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Additional Notes

Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is 1-6-0.

THIS TRUSS MUST BE INSTALLED AS SHOWN AND NOT END FOR END.

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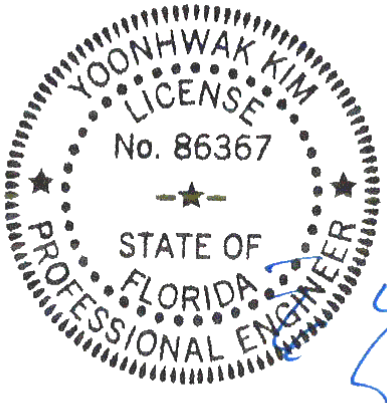

FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2023

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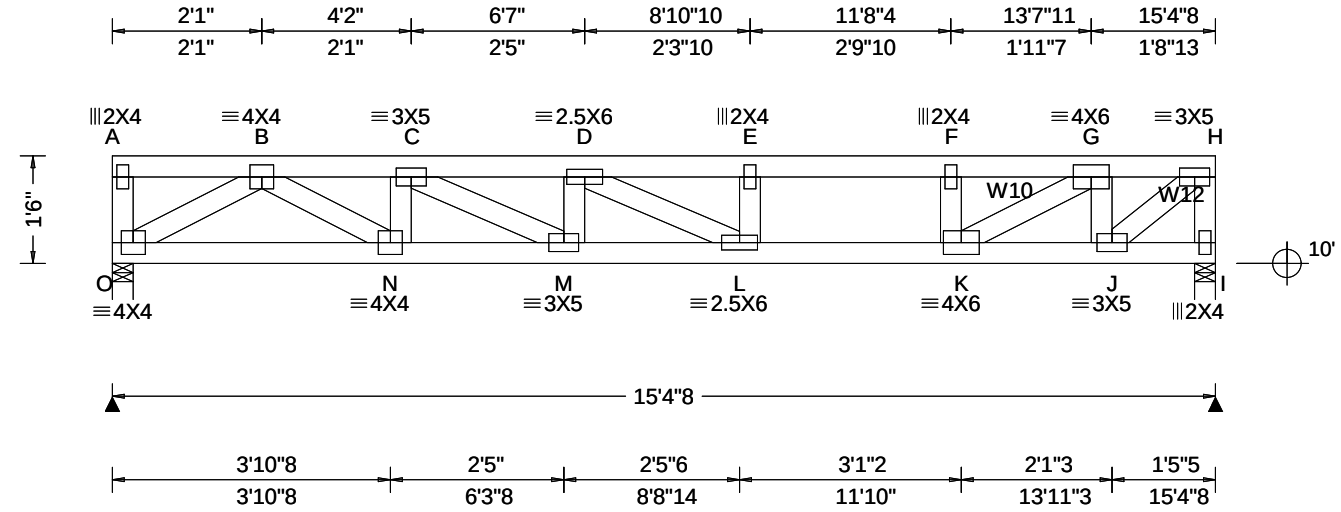
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536453 FLAT FROM: RFG	Ply: 2 Qty: 4	**Job Number:** 22-8616B Terrell **Truss Label:** FL2A	Cust: R 215 JRef:1XMb2150006 T43 DrwNo: 016.23.0819.12440 KD / YK 01/16/2023	

2 Complete Trusses Required



Loading Criteria (psf)
TCLL: 40.00
TCDL: 10.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 55.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 24.0 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: 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): 0.205	E	900	480
VERT(CL): 0.319	E	578	360
HORZ(LL): 0.038	A	-	-
HORZ(TL): 0.059	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.947
Max BC CSI: 0.869
Max Web CSI: 0.526

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
O	1580	/-	/-	/-	/-	/-
I	1375	/-	/-	/-	/-	/-

O Brg Wid = 3.5 Min Req = 1.5
I Brg Wid = 3.5 Min Req = 1.5
Bearings O & 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	0	-2160	E - F	0	-2246
C - D	0	-3169	F - G	0	-2188
D - E	0	-2272	G - H	0	-682

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
O - N	1245	0	L - K	2246	0
N - M	2310	0	K - J	870	0
M - L	3249	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
O - B	0	-1432	F - K	0	-487
B - N	1104	0	K - G	1584	0
N - C	0	-638	G - J	0	-805
C - M	989	0	J - H	883	0
D - L	0	-1186	H - I	0	-635

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3; W10,W12 2x4 SP #2;

Nailnote

Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @ 9.25" 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.=1.00 / Plate Dur.Fac.=1.00)
TC: From 100 plf at 0.00 to 100 plf at 15.37
BC: From 10 plf at 0.00 to 10 plf at 15.37
TC: 1264 lb Conc. Load at 6.44

Purlins

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

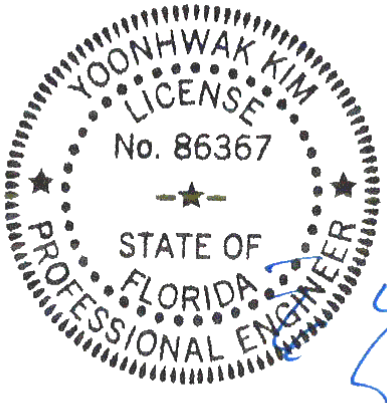
Additional Notes

Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is 1-6-0.

THIS TRUSS MUST BE INSTALLED AS SHOWN AND NOT END FOR END.

It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data, including dimensions and loads, conform to the architectural plans/specifications and fabricators truss layout.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2023

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

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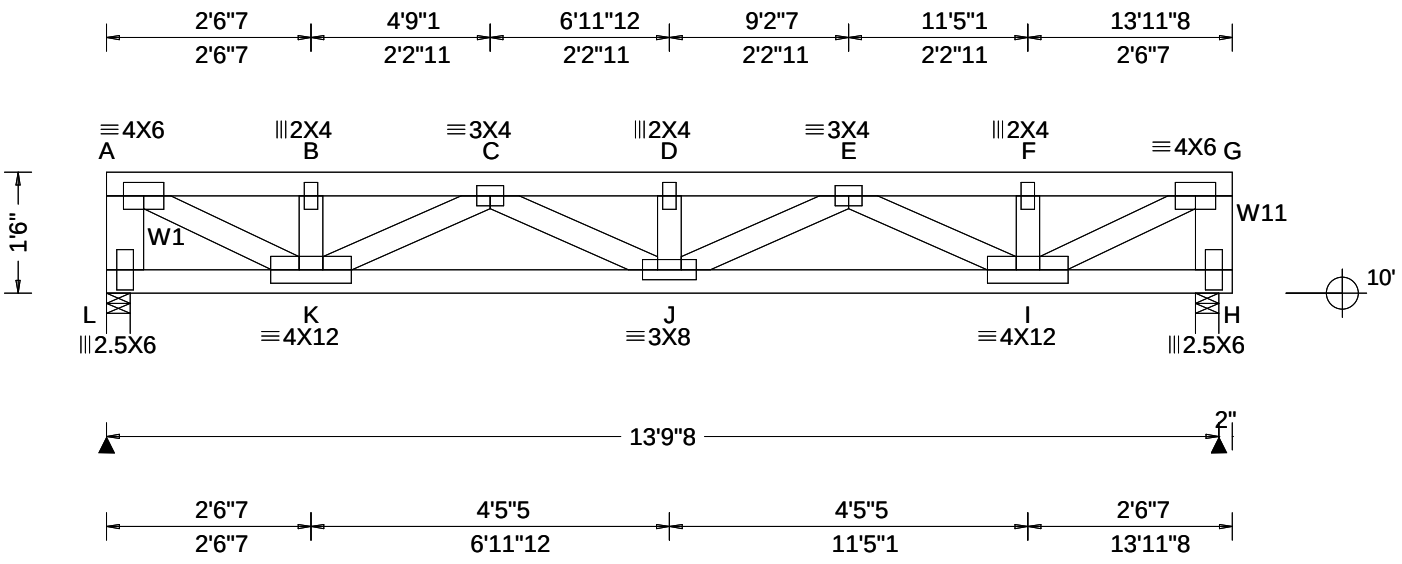
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536323 FLAT FROM: RFG	Ply: 1 Qty: 3	**Job Number:** 22-8616B Terrell **Truss Label:** FL3	Cust: R 215 JRef:1XMb2150006 T31 DrwNo: 016.23.0819.27473 KD / YK 01/16/2023	



Loading Criteria (psf)

TCLL:	40.00
TCDL:	10.00
BCLL:	0.00
BCDL:	5.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.00
Spacing: 24.0 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: 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): 0.099	D	999	480
VERT(CL): 0.154	D	999	360
HORZ(LL): 0.021	A	-	-
HORZ(TL): 0.034	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.376
Max BC CSI: 0.721
Max Web CSI: 0.724

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
L	779	/-	/-	/-	/-	/-
H	1707	/-	/-	/-	/-	/-

L Brg Wid = 3.5 Min Req = 1.5
H Brg Wid = 3.5 Min Req = 2.0
Bearings L & H are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	0	-1349	D - E	0	-2281
B - C	0	-1349	E - F	0	-1452
C - D	0	-2281	F - G	0	-1452

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
K - J	2017	0	J - I	2053	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - L	0	-754	E - I	0	-712
A - K	1448	0	I - G	1520	0
K - C	0	-760	G - H	0	-1680

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W1,W11 2x6 SP 2400f-2.0E;

Special Loads

------(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 100 plf at 0.00 to 100 plf at 13.96
BC: From 10 plf at 0.00 to 10 plf at 13.96
TC: 951 lb Conc. Load at 13.79

Purlins

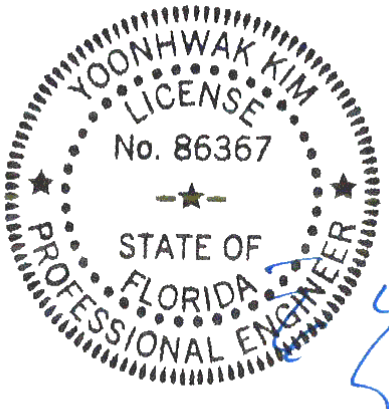
The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Additional Notes

Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is 1-6-0.

It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data, including dimensions and loads, conform to the architectural plans/specifications and fabricators truss layout.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2023

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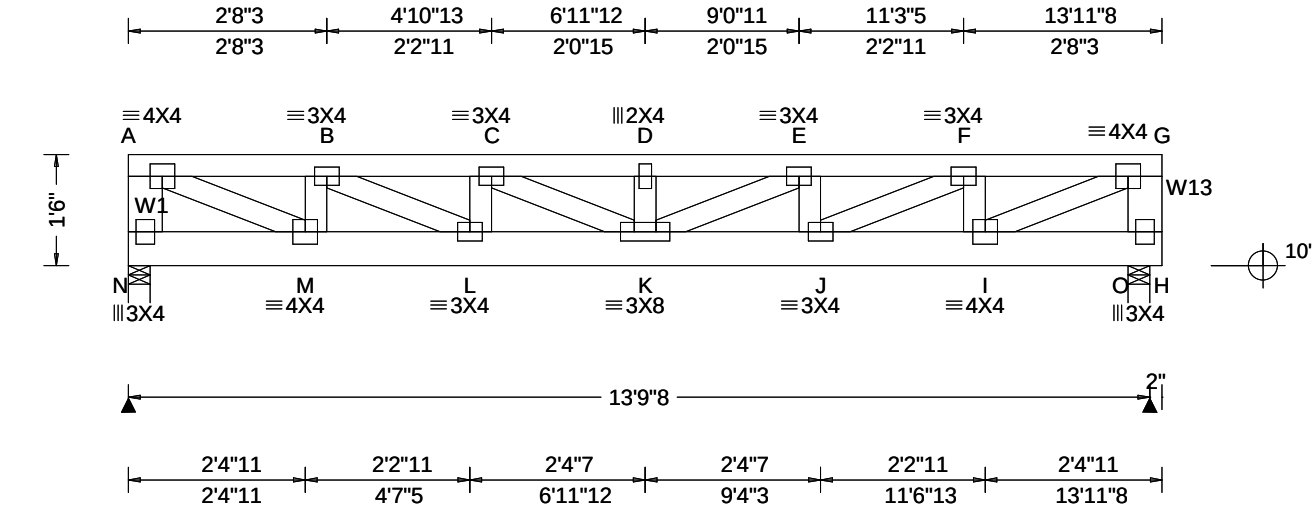
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536321 FLAT FROM: RFG	Ply: 2 Qty: 1	**Job Number:** 22-8616B Terrell **Truss Label:** FL3G	Cust: R 215 JRef:1XMb2150006 T34 DrwNo: 016.23.0819.36910 KD / YK 01/16/2023	

2 Complete Trusses Required



Loading Criteria (psf)

TCLL: 40.00
TCDL: 10.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 55.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 24.0 "

Wind Criteria

Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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: 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): 0.066	D	999	480
VERT(CL): 0.101	D	999	360
HORZ(LL): 0.013	A	-	-
HORZ(TL): 0.019	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.162
Max BC CSI: 0.195
Max Web CSI: 0.518

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
N	984	/-	/-	/-	/-	/-
O	2072	/-	/-	/-	/-	/-

N Brg Wid = 3.5 Min Req = 1.5
O Brg Wid = 3.5 Min Req = 1.5
Bearings N & 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.
A - B	0	-837	D - E	0	-1702
B - C	0	-1429	E - F	0	-1584
C - D	0	-1702	F - G	0	-1033

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
M - L	943	0	K - J	1609	0
L - K	1488	0	J - I	1126	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - N	0	-450	J - F	530	0
A - M	894	0	I - G	1087	0
M - B	0	-422	G - H	0	-953
B - L	563	0			

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W1,W13 2x6 SP 2400f-2.0E;

Nailnote

Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @10.25" 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.=1.00 / Plate Dur.Fac.=1.00)

TC: From	100 plf at	0.00 to	100 plf at	6.48
TC: From	50 plf at	6.48 to	50 plf at	13.96
BC: From	10 plf at	0.00 to	10 plf at	6.48
BC: From	5 plf at	6.48 to	5 plf at	13.96

TC: 951 lb Conc. Load at 13.79
BC: 245 lb Conc. Load at 6.48, 8.48,10.48,12.48

Purlins

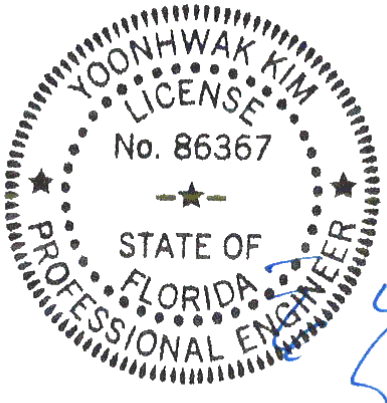
The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Additional Notes

Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is 1-6-0.

It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data, including dimensions and loads, conform to the architectural plans/specifications and fabricators truss layout.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2023

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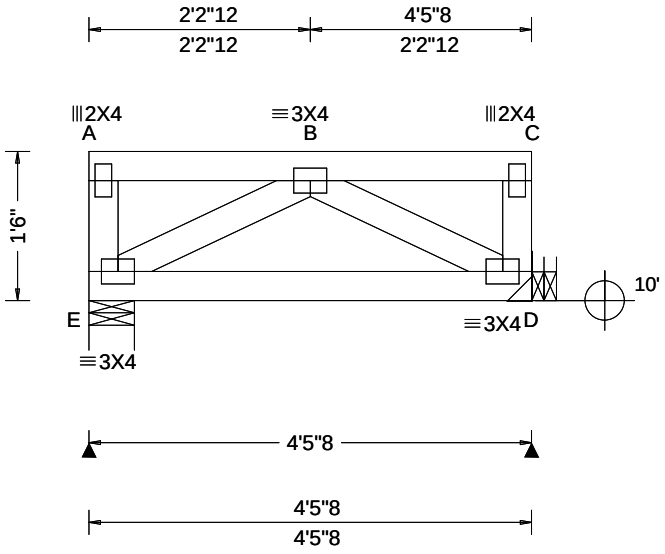
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536317 FLAT FROM: RFG	Ply: 1 Qty: 4	**Job Number:** 22-8616B Terrell **Truss Label:** FL4	Cust: R 215 JRef:1XMb2150006 T32 DrwNo: 016.23.0806.56880 KD / YK 01/16/2023	



Loading Criteria (psf)
TCLL: 40.00
TCDL: 10.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 55.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 24.0 "

Wind Criteria
Wind Std: NA
Speed: NA mph
Enclosure: NA
Category: NA
EXP: NA Kzt: NA
Mean Height: NA ft
TCDL: NA psf
BCDL: NA psf
MWFRS Parallel Dist: NA
C&C Dist a: NA ft
Loc. from endwall: NA
I: NA GCpi: NA
Wind Duration: NA

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)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.003	B	999	480
VERT(CL): 0.004	B	999	360
HORZ(LL): 0.001	D	-	-
HORZ(TL): 0.002	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.110
Max BC CSI: 0.174
Max Web CSI: 0.069

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

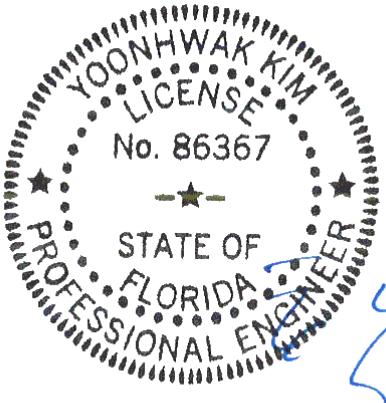
	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E	245	/-	/-	/-	/-	/-
D	245	/-	/-	/-	/-	/-

E Brg Wid = 5.5 Min Req = 1.5
D Brg Wid = -
Bearing E is a rigid surface.
Members not listed have forces less than 375#

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

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

Additional Notes
Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 1-6-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2023

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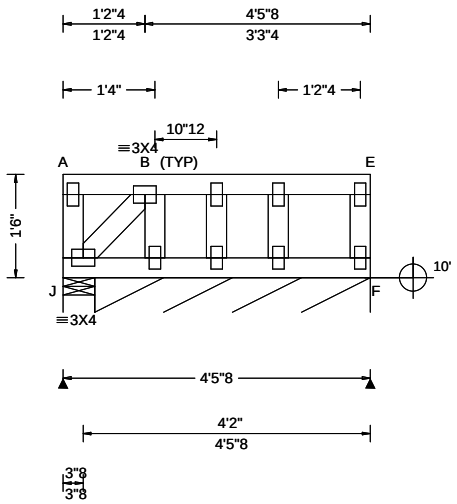
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536445 GABL FROM: RFG	Ply: 2 Qty: 1	**Job Number:** 22-8616B Terrell **Truss Label:** FL4A	Cust: R 215 JRef:1XMb2150006 T33 DrwNo: 016.23.0807.01307 KD / YK 01/16/2023

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Kzt: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 D 999 480 VERT(CL): 0.000 D 999 360 HORZ(LL): 0.000 A - - HORZ(TL): 0.000 A - - Creep Factor: 2.0 Max TC CSI: 0.019 Max BC CSI: 0.005 Max Web CSI: 0.014 VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
J	70	/-	/-	/-	/-	/-
F*	105	/-	/-	/-	/-	/-

J Brg Wid = 5.5 Min Req = 1.5
F Brg Wid = 48.0 Min Req = -
Bearings J & J 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;

Nailnote

Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Plating Notes

All plates are 2X4 except as noted.

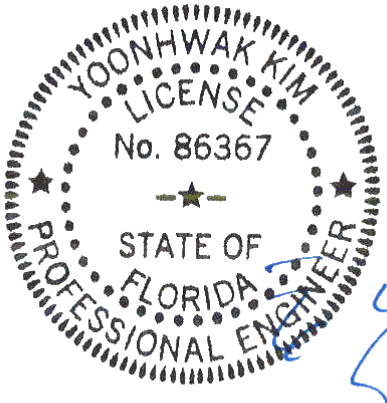
Purlins

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Additional Notes

Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is 1-6-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2023

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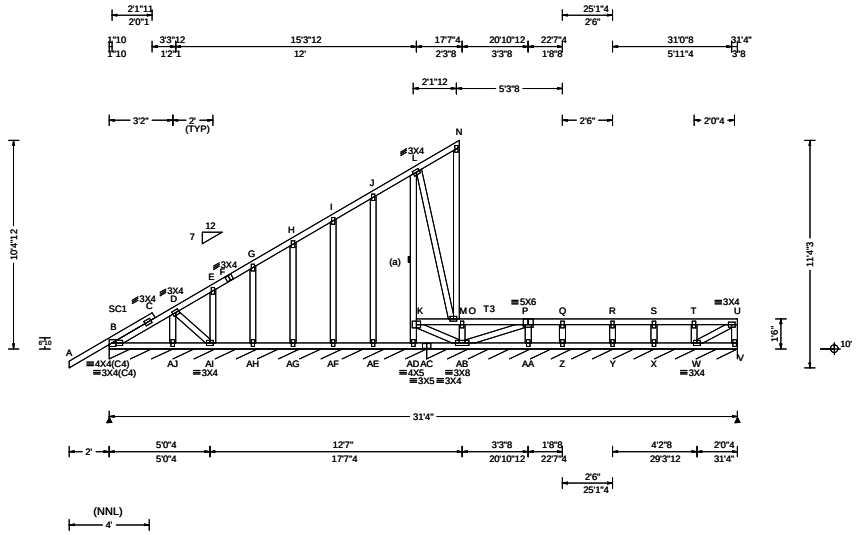
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536490 GABL FROM: RFG	Ply: 1 Qty: 2	**Job Number:** 22-8616B Terrell **Truss Label:** FT1	Cust: R 215 JRef:1XMb2150006 T41 DrwNo: 016.23.0807.21887 KD / YK 01/16/2023



Loading Criteria (psf)

TCLL:	40.00
TCDL:	10.00
BCLL:	0.00
BCDL:	5.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.00
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: 4.2 psf
BCDL: 3.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.13 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.33

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)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.005	B	659	480
VERT(CL): 0.009	B	396	360
HORZ(LL): -0.002	B	-	-
HORZ(TL): 0.003	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.634
Max BC CSI: 0.162
Max Web CSI: 0.234

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B*	276	/-	/-	/73	/-	/12
AC*	291	/-	/-	/53	/44	/-

Wind reactions based on MWFRS
B Brg Wid = 190 Min Req = -
AC Brg Wid = 186 Min Req = -
Bearings B & AC are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - C	1288	-1311

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
O -AB	247	-890	Q - Z	229	-573
P -AA	304	-695	R - Y	280	-698

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.	Gables	Tens.	Comp.
AJ- D	0	-500	J -AE	0	-511
AI- E	0	-466	K -AD	0	-448
G -AH	0	-478	K - L	0	-464
H -AG	0	-487	S - X	219	-560
I -AF	0	-501	T - W	273	-714

Lumber

Top chord: 2x4 SP M-31; T3 2x4 SP #2;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3;
Stack Chord: SC1 2x4 SP M-31;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

Right end vertical not exposed to wind pressure.

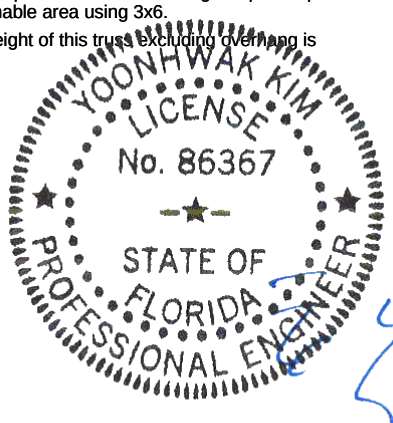
Wind loading based on both gable and hip roof types.

Additional Notes

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

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

The overall height of this truss excluding overhang is 10-4-12.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2025

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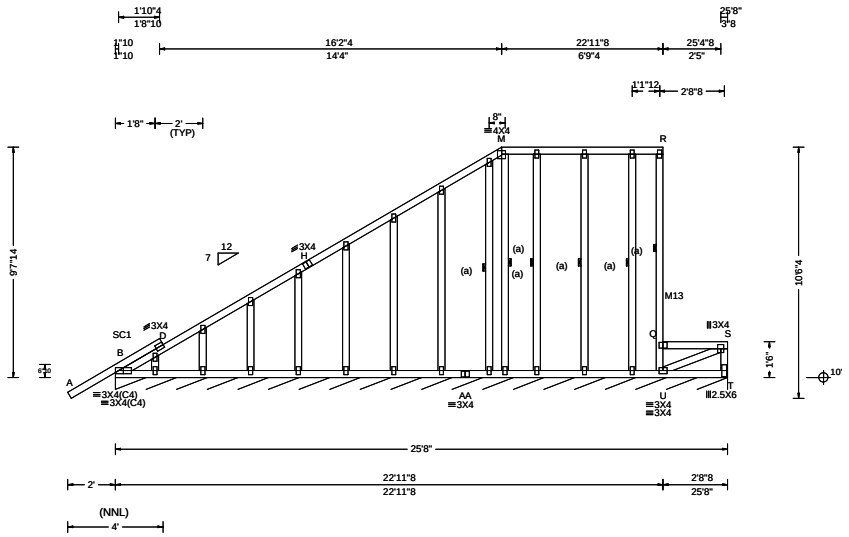
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536413 GABL FROM: RFG	Ply: 1 Qty: 2	**Job Number:** 22-8616B Terrell **Truss Label:** FT1A		Cust: R 215 JRef:1XMb2150006 T40 DrwNo: 016.23.0807.25257 KD / YK 01/16/2023	



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 32.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.33	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.003 B 999 240 VERT(CL): 0.006 B 587 180 HORZ(LL): -0.005 R - - HORZ(TL): 0.008 R - - Creep Factor: 2.0 Max TC CSI: 0.723 Max BC CSI: 0.216 Max Web CSI: 0.656 VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
T*	172	/-	/-	/49	/5	/12

Wind reactions based on MWFRS
T Brg Wid = 308 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 - D	440	-552	B - D	473	-409

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; M13 2x4 SP #2;
Stack Chord: SC1 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

In lieu of structural panels use purlins to brace all sloping TC @ 24" oc; all flat TC @ 0" oc.

Wind

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

Right end vertical not exposed to wind pressure.

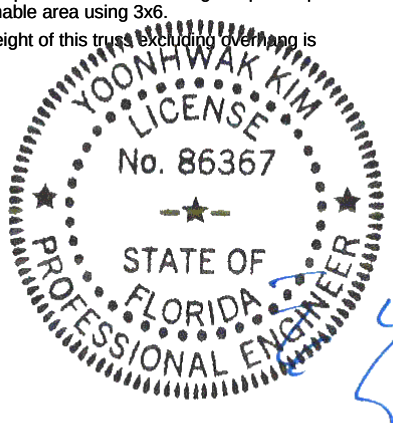
Wind loading based on both gable and hip roof types.

Additional Notes

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

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

The overall height of this truss excluding overhang is 9-7-14.



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Florida Certificate of Product Approval #FL 1999
01/16/2025

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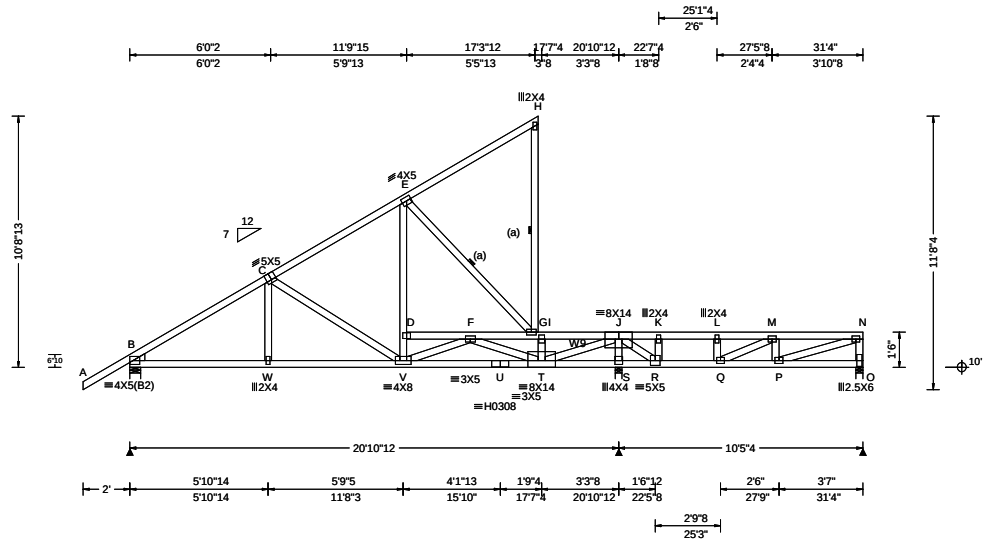
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536315 COMN FROM: RFG	Ply: 1 Qty: 10	**Job Number:** 22-8616B Terrell **Truss Label:** FT2	Cust: R 215 JRef:1XMb2150006 T1 DrwNo: 016.23.0807.49033 KD / YK 01/16/2023



Loading Criteria (psf)

TCLL:	40.00
TCDL:	10.00
BCLL:	0.00
BCDL:	5.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.00
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.06 ft
TCDL: 4.2 psf
BCDL: 3.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.13 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.33

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: 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): 0.142	H	999	480
VERT(CL): 0.214	H	999	360
HORZ(LL): 0.061	H	-	-
HORZ(TL): 0.092	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.611
Max BC CSI: 0.447
Max Web CSI: 0.776

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
B	1425	/-	/-	/533	/233	/350
S	2788	/-	/-	/724	/458	/-
O	359	/-	/-	/136	/86	/-

Wind reactions based on MWFRS
B Brg Wid = 5.5 Min Req = 1.5
S Brg Wid = 3.5 Min Req = 1.9
O Brg Wid = 3.5 Min Req = 1.5
Bearings B, 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.
B - C	272	-1748	J - K	493	-132
C - E	177	-1203	K - L	413	-129
F - G	378	-1959	L - M	387	-129
G - I	681	-2869	M - N	414	-561
I - J	681	-2869			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - W	1361	-497	T - S	425	-1782
W - V	1361	-498	S - R	425	-1782
V - U	2095	-558	R - Q	129	-413
U - T	2095	-558	Q - P	568	-443

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - V	227	-525	I - T	511	-2064
D - V	879	-202	J - S	866	-2802
D - E	856	-195	J - R	1629	-634
V - F	270	-1266	R - K	284	-663
E - G	455	-1355	Q - M	340	-1088
F - T	832	-135	P - N	580	-430
T - J	4954	-1178			

Lumber

Top chord: 2x4 SP M-31;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3; W9 2x4 SP M-31;
Lt Wedge: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

------(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC: From	103 plf at	-2.00 to	103 plf at	31.33
BC: From	5 plf at	-2.00 to	5 plf at	0.00
BC: From	10 plf at	0.00 to	10 plf at	31.33

TC: 811 lb Conc. Load at 17.60

Plating Notes

All plates are 3X4 except as noted.

Wind

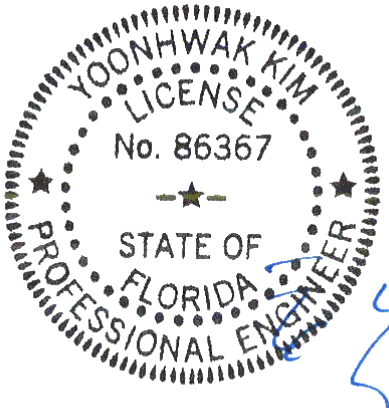
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-8-13.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2023

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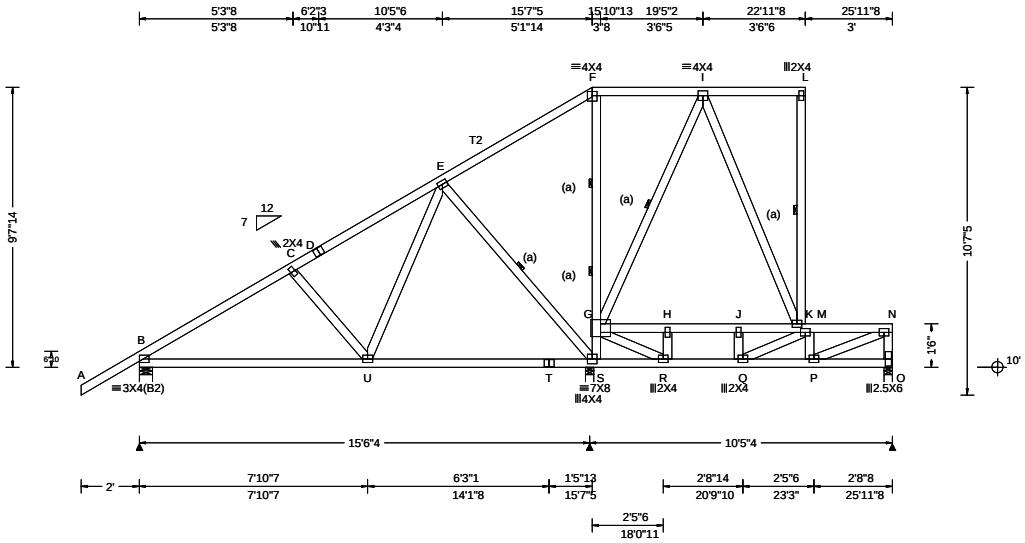
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536469 COMN FROM: RFG	Ply: 1 Qty: 10	**Job Number:** 22-8616B Terrell **Truss Label:** FT2A	Cust: R 215 JRef:1XMb2150006 T12 DrwNo: 016.23.0755.57427 KD / YK 01/16/2023



Loading Criteria (psf)

TCLL:	40.00
TCDL:	10.00
BCLL:	0.00
BCDL:	5.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00
Load Duration:	1.00
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: 4.2 psf
BCDL: 3.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.33

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)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.056	J	999	480
VERT(CL): 0.084	J	999	360
HORZ(LL): -0.012	N	-	-
HORZ(TL): 0.018	N	-	-

Creep Factor: 2.0
Max TC CSI: 0.821
Max BC CSI: 0.656
Max Web CSI: 0.801

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	703	/-	/-	/362	/166	/332
S	2878	/-	/-	/756	/451	/-
O	499	/-	/-	/71	/61	/-

Wind reactions based on MWFRS
B Brg Wid = 5.5 Min Req = 1.5
S Brg Wid = 3.5 Min Req = 3.0
O Brg Wid = 3.5 Min Req = 1.5
Bearings B, 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.
B - C	163	- 476	F - I	738	- 175
E - F	958	- 278	M - N	203	- 714

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
S - R	170	- 718	Q - P	771	- 226

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - U	217	- 431	G - I	368	- 1175
U - E	530	- 126	I - K	634	- 41
E - S	334	- 869	Q - M	232	- 893
F - G	299	- 792	P - N	766	- 217
S - G	690	- 2115	N - O	173	- 485
G - R	720	- 178			

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

------(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC: From	103 plf at	-2.00 to	103 plf at	25.96
BC: From	5 plf at	-2.00 to	5 plf at	0.00
BC: From	10 plf at	0.00 to	10 plf at	9.53
BC: From	50 plf at	9.53 to	50 plf at	12.42
BC: From	10 plf at	12.42 to	10 plf at	25.96

TC: 811 lb Conc. Load at 23.10

Plating Notes

All plates are 3X4 except as noted.

Wind

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

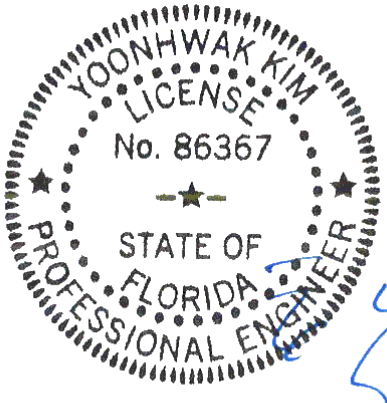
Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

WARNING: 20 psf additional bottom chord live load check has been modified

The overall height of this truss excluding overhang is 9-7-14.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2023

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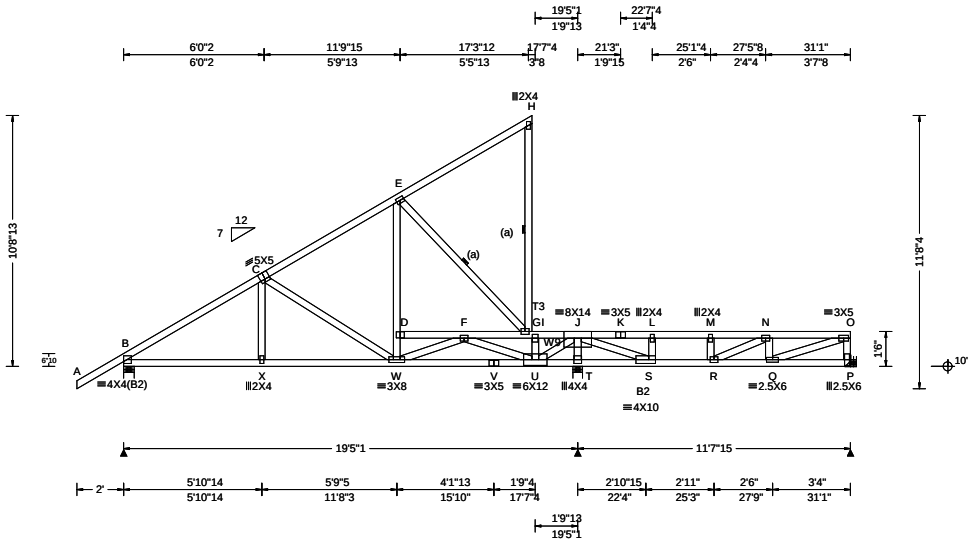
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536312 COMN FROM: RFG	Ply: 1 Qty: 2	**Job Number:** 22-8616B Terrell **Truss Label:** FT2B	Cust: R 215 JRef:1XMb2150006 T7 DrwNo: 016.23.0756.03980 KD / YK 01/16/2023	



Loading Criteria (psf)

TCLL:	40.00
TCDL:	10.00
BCLL:	0.00
BCDL:	5.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.00
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.06 ft
TCDL: 4.2 psf
BCDL: 3.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.11 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.33

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: 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): 0.084	M	999	480
VERT(CL): 0.126	M	999	360
HORZ(LL): 0.027	C	-	-
HORZ(TL): 0.041	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.703
Max BC CSI: 0.813
Max Web CSI: 0.952

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
B	1302	/-	/-	/500	/221	/350
T	2755	/-	/-	/716	/452	/-
P	487	/-	/-	/157	/103	/-

Wind reactions based on MWFRS
B Brg Wid = 5.5 Min Req = 1.5
T Brg Wid = 4.9 Min Req = 1.9
P Brg Wid = -
Bearings B & 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.
B - C	250	-1528	J - K	441	-321
C - E	155	-967	K - L	441	-321
F - G	34	-446	L - M	471	-387
G - I	194	-1155	M - N	467	-399
I - J	177	-1155	N - O	525	-884

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - X	1172	-342	U - T	347	-1536
X - W	1172	-343	T - S	347	-1536
W - V	1099	-214	S - R	387	-471
V - U	1099	-214	R - Q	931	-570

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - W	179	-544	J - T	721	-2688
D - W	539	-91	J - S	1998	-781
D - E	520	-85	S - L	258	-557
W - F	84	-409	R - N	149	-606
E - G	290	-1059	Q - O	927	-552
U - J	3232	-578	O - P	279	-472
I - U	340	-1855			

Lumber

Top chord: 2x4 SP M-31; T3 2x4 SP #2;
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;
Webs: 2x4 SP #3; W9 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

------(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC: From	103 plf at	-2.00 to	103 plf at	31.08
BC: From	5 plf at	-2.00 to	5 plf at	0.00
BC: From	10 plf at	0.00 to	10 plf at	31.08

TC: 811 lb Conc. Load at 17.60

Plating Notes

All plates are 3X4 except as noted.

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.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-8-13.

WIND LOAD CASE MODIFIED!

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2023

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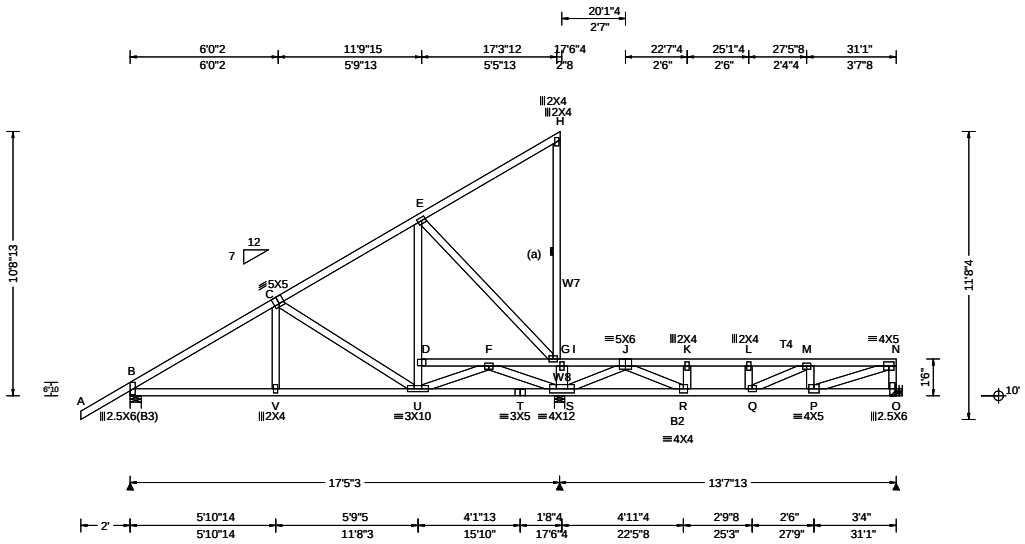
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536309 COMN FROM: RFG	Ply: 1 Qty: 2	**Job Number:** 22-8616B Terrell **Truss Label:** FT3	Cust: R 215 JRef:1XMb2150006 T8 DrwNo: 016.23.0756.17693 KD / YK 01/16/2023



Loading Criteria (psf)

TCLL:	40.00
TCDL:	10.00
BCLL:	0.00
BCDL:	5.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.00
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.06 ft
TCDL: 4.2 psf
BCDL: 3.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.11 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.33

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: 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): 0.091	L	999	480
VERT(CL): 0.136	L	999	360
HORZ(LL): 0.019	O	-	-
HORZ(TL): 0.029	O	-	-

Creep Factor: 2.0
Max TC CSI: 0.553
Max BC CSI: 0.619
Max Web CSI: 0.816

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1130	/-	/-	/429	/203	/464
S	2763	/-	/-	/745	/400	/-
O	651	/-	/-	/179	/126	/-

Wind reactions based on MWFRS
B Brg Wid = 5.5 Min Req = 1.5
S Brg Wid = 4.9 Min Req = 1.9
O Brg Wid = -
Bearings B & S 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	219	-1217	J - K	671	-1322
C - E	130	-637	K - L	696	-1371
F - G	1567	-569	L - M	689	-1362
G - I	1138	-452	M - N	625	-1299
I - J	1138	-452			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - V	908	-275	R - Q	1371	-696
V - U	907	-276	Q - P	1394	-681

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - U	185	-570	J - R	1146	-483
U - F	809	-297	R - K	213	-411
E - G	183	-645	M - P	237	-405
F - S	318	-890	P - N	1363	-655
S - J	756	-1590	N - O	316	-628
I - S	322	-1701			

Lumber

Top chord: 2x4 SP M-31; T4 2x4 SP #2;
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;
Webs: 2x4 SP #3; W7 2x4 SP M-31;
W8 2x6 SP 2400f-2.0E;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

------(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC: From	103 plf at	-2.00 to	103 plf at	31.08
BC: From	5 plf at	-2.00 to	5 plf at	0.00
BC: From	10 plf at	0.00 to	10 plf at	31.08

TC: 811 lb Conc. Load at 17.60

Plating Notes

All plates are 3X4 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

Wind

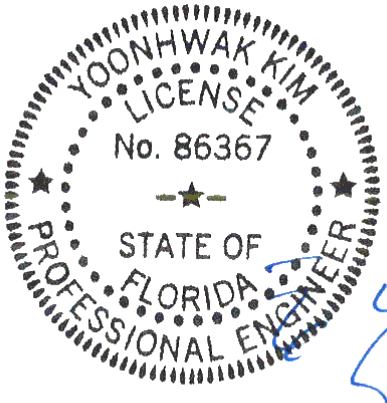
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-8-13.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2023

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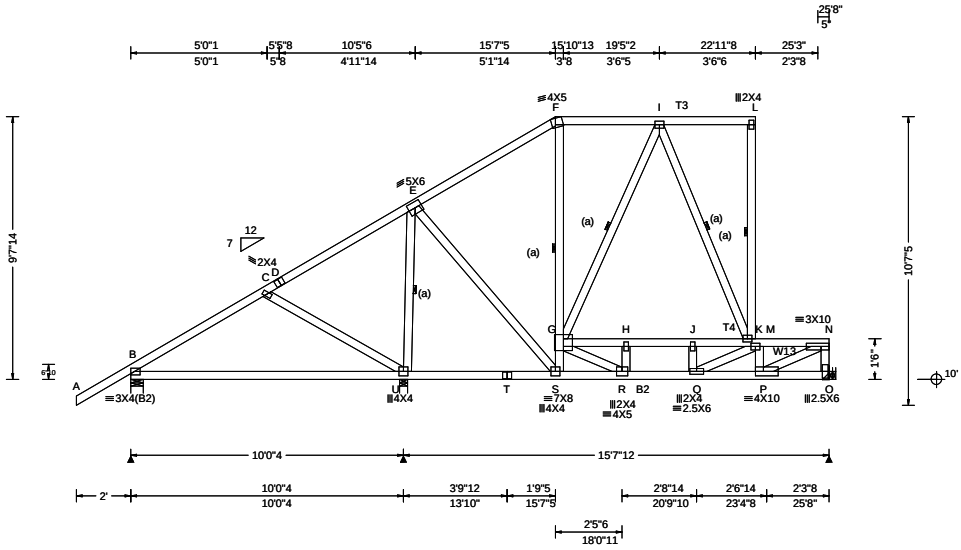
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536381 COMN FROM: RFG	Ply: 1 Qty: 4	**Job Number:** 22-8616B Terrell **Truss Label:** FT3A	Cust: R 215 JRef:1XMb2150006 T19 DrwNo: 016.23.0756.20887 KD / YK 01/16/2023



Loading Criteria (psf)

TCLL:	40.00
TCDL:	10.00
BCLL:	0.00
BCDL:	5.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.00
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 0.00 ft
TCDL: 4.2 psf
BCDL: 3.0 psf
MWFRS Parallel Dist: > 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.33

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: 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): 0.134	J	999	480
VERT(CL): 0.202	J	927	360
HORZ(LL): 0.042	F	-	-
HORZ(TL): 0.063	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.747
Max BC CSI: 0.688
Max Web CSI: 0.691

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
B	326	/-	/-	/228	/89	/332
U	2423	/-	/-	/704	/441	/-
O	1263	/-	/-	/213	/147	/-

Wind reactions based on MWFRS
B Brg Wid = 5.5 Min Req = 1.5
U Brg Wid = 3.5 Min Req = 2.5
O Brg Wid = -
Bearings B & U 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	463	- 378	H - J	295	- 1271
C - D	745	- 446	J - K	301	- 1305
D - E	1001	- 443	K - M	392	- 1439
G - H	287	- 1240	M - N	595	- 2206

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
U - T	175	- 629	R - Q	1405	- 386
T - S	175	- 629	Q - P	2442	- 665

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - U	206	- 537	I - K	255	- 377
U - E	660	- 1963	Q - M	312	- 1149
E - S	1148	- 362	M - P	296	- 1008
F - G	172	- 378	P - N	2449	- 661
S - G	338	- 981	N - O	365	- 1236
G - R	1386	- 328			

Lumber

Top chord: 2x4 SP M-31; T3,T4 2x4 SP #2;
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;
Webs: 2x4 SP #3; W13 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

------(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC: From	103 plf at	-2.00 to	103 plf at	25.67
BC: From	5 plf at	-2.00 to	5 plf at	0.00
BC: From	10 plf at	0.00 to	10 plf at	10.39
BC: From	50 plf at	10.39 to	50 plf at	12.42
BC: From	10 plf at	12.42 to	10 plf at	25.67

TC: 811 lb Conc. Load at 23.10

Plating Notes

All plates are 3X4 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

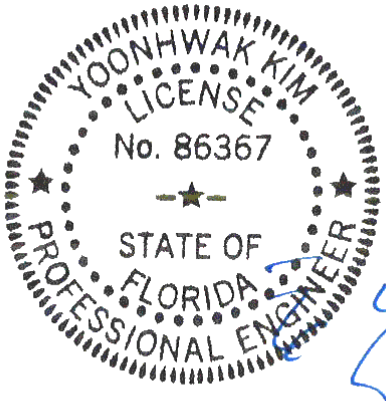
Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

WARNING: 20 psf additional bottom chord live load check has been modified

The overall height of this truss excluding overhang is 9-7-14.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2023

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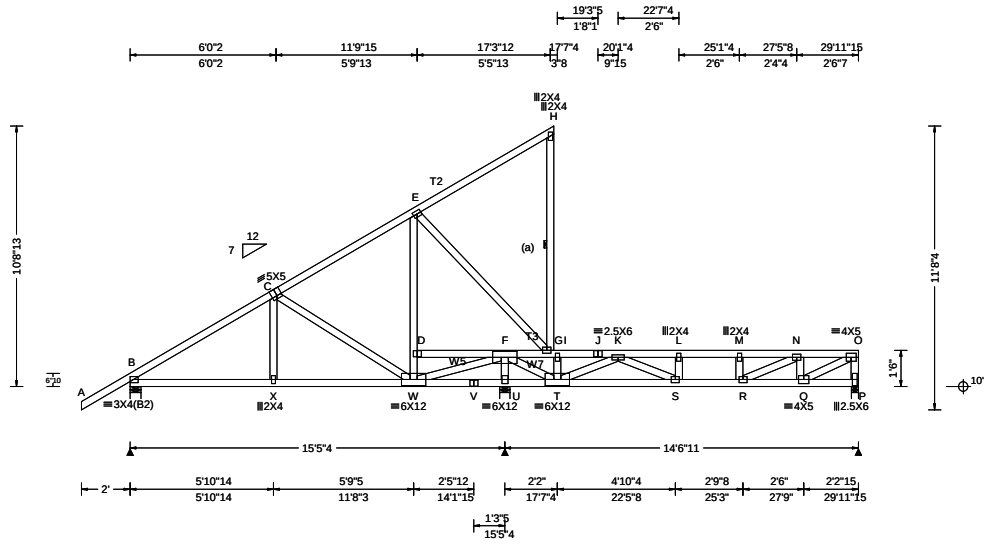
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536306 COMN FROM: RFG	Ply: 1 Qty: 2	**Job Number:** 22-8616B Terrell **Truss Label:** FT4	Cust: R 215 JRef:1XMb2150006 T21 DrwNo: 016.23.0756.39700 KD / YK 01/16/2023



Loading Criteria (psf)		**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL:	40.00	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): 0.112 L 999 480
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.170 L 999 360
BCDL:	5.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.020 H - -
Des Ld:	55.00	EXP: C Kzt: NA		HORZ(TL): 0.031 H - -
NCBCLL:	10.00	Mean Height: 15.06 ft	Building Code:	Creep Factor: 2.0
Soffit:	2.00	TCDL: 4.2 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.906
Load Duration:	1.00	BCDL: 3.0 psf	TPI Std: 2014	Max BC CSI: 0.669
Spacing:	24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Varies by Ld Case	Max Web CSI: 0.939
		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: 20.01.01A.0724.11
		Wind Duration: 1.33		

▲Maximum Reactions (lbs)

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
B	918	/-	/-	/396	/183	/352
U	2758	/-	/-	/720	/337	/-
P	744	/-	/-	/192	/133	/-

Wind reactions based on MWFRS
B Brg Wid = 5.5 Min Req = 1.5
U Brg Wid = 4.9 Min Req = 2.9
P Brg Wid = 3.4 Min Req = 1.5
Bearings B, 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.
B - C	182	- 837	K - L	796	- 1927
G - I	73	- 435	L - M	814	- 1951
I - J	65	- 435	M - N	798	- 1915
J - K	65	- 435	N - O	496	- 1125

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - X	585	- 229	U - T	717	- 2471
X - W	584	- 229	T - S	1502	- 560
W - V	717	- 2471	S - R	1951	- 814
V - U	717	- 2471	R - Q	1270	- 565

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - W	195	- 608	T - K	628	- 1185
D - W	188	- 485	K - S	478	- 271
D - E	198	- 529	R - N	735	- 275
W - F	2680	- 787	N - Q	294	- 619
F - U	693	- 2625	Q - O	1267	- 559
F - T	3328	- 832	O - P	332	- 721
I - T	180	- 1133			

Lumber

Top chord: 2x4 SP #2; T2,T3 2x4 SP M-31;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W5,W7 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

------(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC: From	103 plf at	-2.00 to	103 plf at	30.00
BC: From	5 plf at	-2.00 to	5 plf at	0.00
BC: From	10 plf at	0.00 to	10 plf at	30.00

TC: 811 lb Conc. Load at 17.60

Plating Notes

All plates are 3X4 except as noted.

Wind

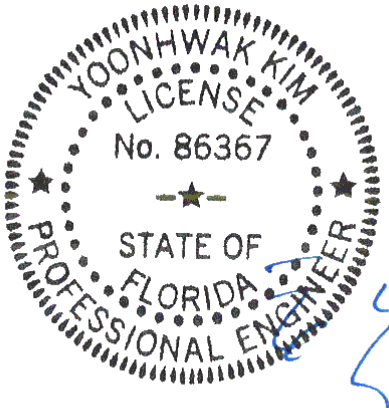
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-8-13.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2023

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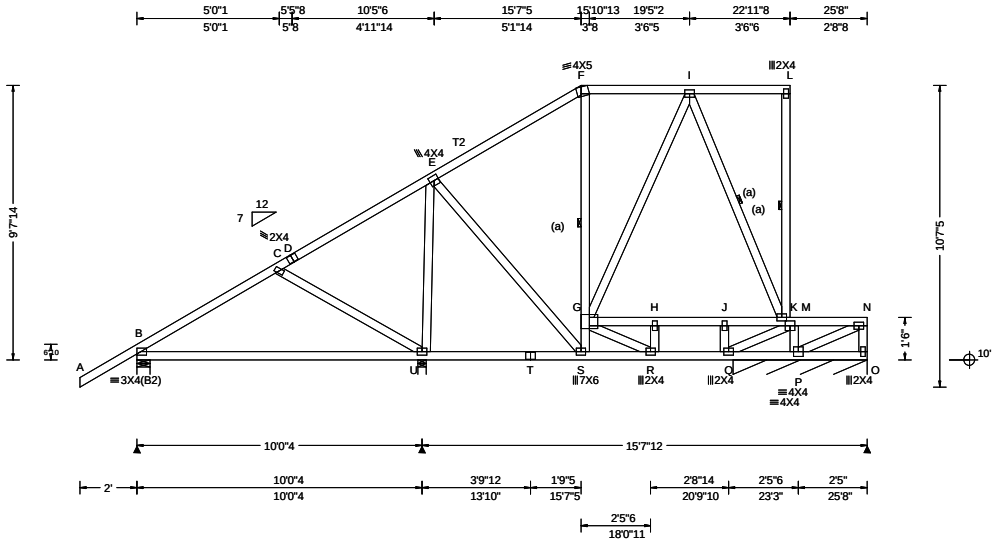
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536486 COMN FROM: RFG	Ply: 1 Qty: 2	**Job Number:** 22-8616B Terrell **Truss Label:** FT4A	Cust: R 215 JRef:1XMb2150006 T38 DrwNo: 016.23.0756.52897 KD / YK 01/16/2023	



Loading Criteria (psf)

TCLL:	40.00
TCDL:	10.00
BCLL:	0.00
BCDL:	5.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.00
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: 4.2 psf
BCDL: 3.0 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: 1.33

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)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.015	F	999	480
VERT(CL): 0.023	F	999	360
HORZ(LL): 0.004	O	-	-
HORZ(TL): 0.009	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.799
Max BC CSI: 0.628
Max Web CSI: 0.881

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	699	/-	/-	/290	/107	/271
U	1525	/-	/-	/555	/287	/-
O*	380	/-	/-	/64	/41	/-

Wind reactions based on MWFRS
B Brg Wid = 5.5 Min Req = 1.5
U Brg Wid = 3.5 Min Req = 1.5
O Brg Wid = 56.5 Min Req = -
Bearings B, U, & Q 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	68	-466	E - F	73	-379

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
Q - P	530	-150

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - U	195	-498	I - K	292	-495
U - E	429	-1116	M - P	433	-1500
E - S	421	-166			

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

------(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC: From	103 plf at	-2.00 to	103 plf at	25.67
BC: From	5 plf at	-2.00 to	5 plf at	0.00
BC: From	10 plf at	0.00 to	10 plf at	10.39
BC: From	50 plf at	10.39 to	50 plf at	12.42
BC: From	10 plf at	12.42 to	10 plf at	25.67

TC: 811 lb Conc. Load at 23.10

Plating Notes

All plates are 3X4 except as noted.

Wind

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

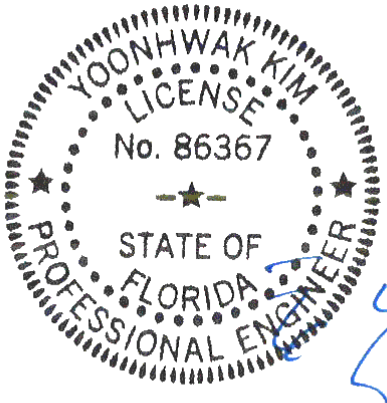
Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

WARNING: 20 psf additional bottom chord live load check has been modified

The overall height of this truss excluding overhang is 9-7-14.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2023

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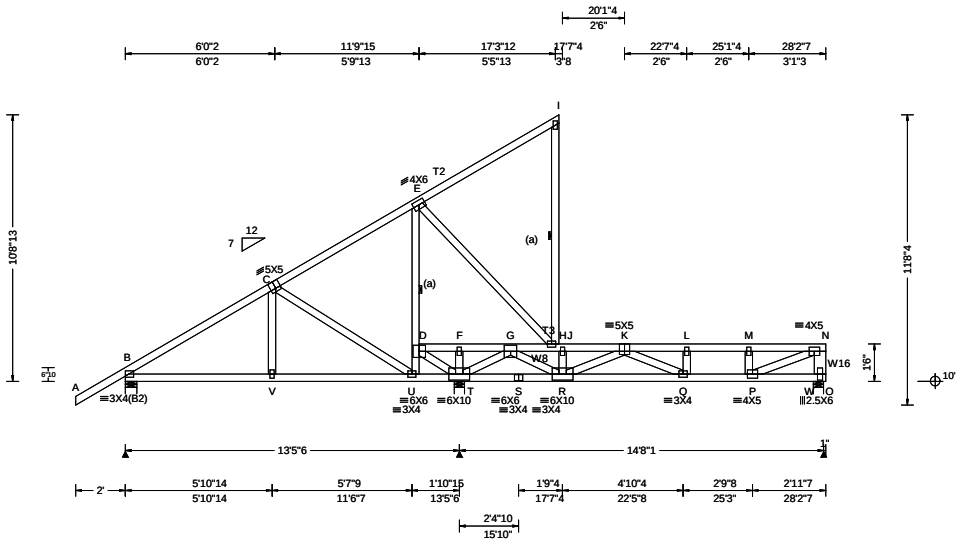
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536303 COMN FROM: RFG	Ply: 1 Qty: 2	**Job Number:** 22-8616B Terrell **Truss Label:** FT5	Cust: R 215 JRef:1XMb2150006 T6 DrwNo: 016.23.0757.06910 KD / YK 01/16/2023



Loading Criteria (psf)

TCLL:	40.00
TCDL:	10.00
BCLL:	0.00
BCDL:	5.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.00
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.06 ft
TCDL: 4.2 psf
BCDL: 3.0 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: 1.33

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: 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): 0.110	L	999	480
VERT(CL): 0.167	L	999	360
HORZ(LL): 0.039	I	-	-
HORZ(TL): 0.060	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.803
Max BC CSI: 0.686
Max Web CSI: 0.759

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

Loc	R+	Gravity / R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
B	540	/-	/-	/295	/145	/352
T	3030	/-	/-	/797	/362	/-
W	648	/-	/-	/162	/115	/-

Wind reactions based on MWFRS
B Brg Wid = 5.5 Min Req = 1.5
T Brg Wid = 4.9 Min Req = 3.2
W Brg Wid = 4.9 Min Req = 1.5
Bearings B, T, & 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.
C - E	783	- 376	J - K	62	- 406
D - F	2817	- 781	K - L	586	- 1383
F - G	2803	- 778	L - M	599	- 1394
G - H	129	- 903	M - N	572	- 1342
H - J	73	- 406			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
U - T	147	- 541	R - Q	1276	- 480
T - S	478	- 1551	Q - P	1394	- 599
S - R	478	- 1551			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - U	205	- 652	J - R	89	- 660
D - E	447	- 1510	R - K	550	- 966
D - T	879	- 3171	M - P	223	- 437
E - H	723	- 199	P - N	1419	- 598
T - G	479	- 2028	N - O	307	- 655
G - R	2259	- 540			

Lumber

Top chord: 2x4 SP #2; T2,T3 2x4 SP M-31;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W8 2x4 SP #2;
W16 2x6 SP 2400f-2.0E;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

------(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC: From	103 plf at	-2.00 to	103 plf at	28.20
BC: From	5 plf at	-2.00 to	5 plf at	0.00
BC: From	10 plf at	0.00 to	10 plf at	28.20

TC: 811 lb Conc. Load at 17.60

Plating Notes

All plates are 2X4 except as noted.

Wind

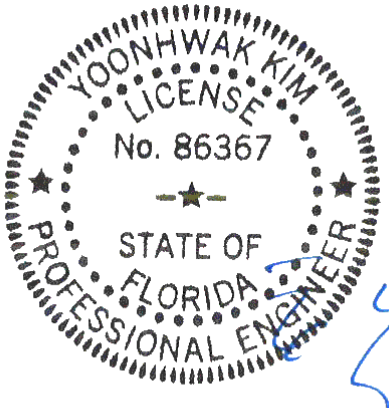
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-8-13.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2023

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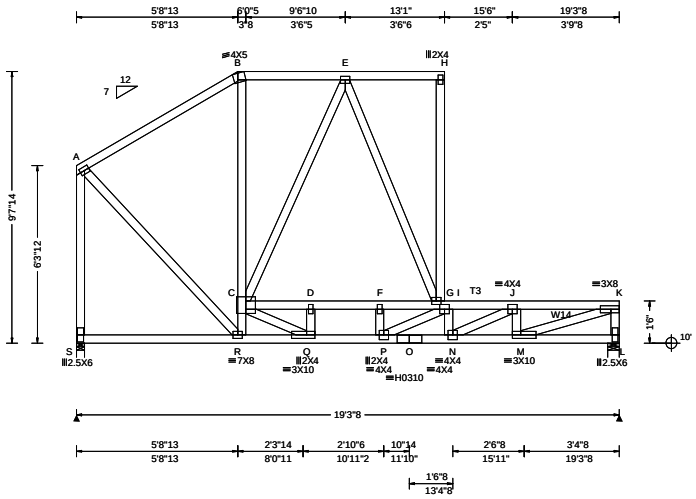
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536390 COMN FROM: RFG	Ply: 2 Qty: 2	**Job Number:** 22-8616B Terrell **Truss Label:** FT5A		Cust: R 215 JRef:1XMb2150006 T35 DrwNo: 016.23.0757.17307 KD / YK 01/16/2023	

2 Complete Trusses Required



Loading Criteria (psf)

TCLL: 40.00
TCDL: 10.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 55.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.00
Spacing: 24.0 "

Wind Criteria

Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.58 ft
TCDL: 4.2 psf
BCDL: 3.0 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: 1.33

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)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.228	F	999	480
VERT(CL): 0.357	F	649	360
HORZ(LL): 0.144	B	-	-
HORZ(TL): 0.225	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.575
Max BC CSI: 0.836
Max Web CSI: 0.828

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
S	1346	/-	/-	/356	/181	/100
L	1648	/-	/-	/330	/234	/-

Wind reactions based on MWFRS
S Brg Wid = 3.5 Min Req = 1.5
L Brg Wid = 4.9 Min Req = 1.5
Bearings S & 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.
A - B	143	- 434	G - I	748	- 2004
C - D	614	- 1726	I - J	1186	- 3215
D - F	631	- 1773	J - K	792	- 2043
F - G	646	- 1820			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
Q - P	1956	- 733	O - N	3313	- 1217
P - O	3313	- 1217	N - M	2217	- 864

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - S	194	- 648	P - I	538	- 1501
A - R	464	- 136	I - N	135	- 416
R - C	176	- 469	N - J	1148	- 370
C - Q	1738	- 612	J - M	307	- 743
Q - D	139	- 393	M - K	2144	- 830
E - G	281	- 504	K - L	339	- 798
F - P	396	- 126			

Lumber

Top chord: 2x4 SP #2; T3 2x4 SP M-31;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3; W14 2x4 SP #2;

Nailnote

Nail Schedule:0.128"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.=1.00 / Plate Dur.Fac.=1.00)
TC: From 103 plf at 0.00 to 103 plf at 19.29
BC: From 10 plf at 0.00 to 10 plf at 19.29
TC: 811 lb Conc. Load at 13.23

Plating Notes

All plates are 3X4 except as noted.

Wind

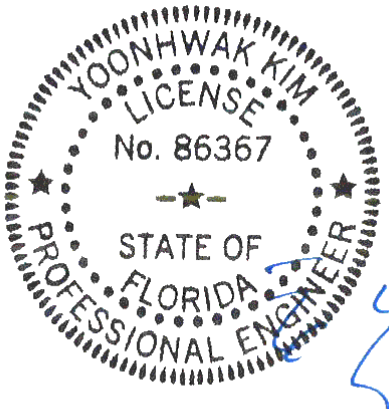
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 9-7-14.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2025

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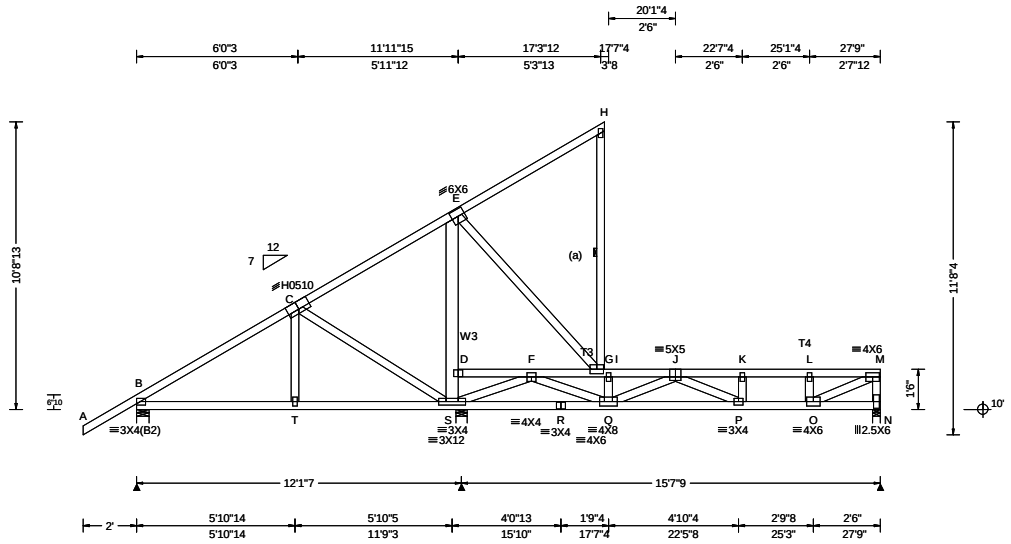
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536300 COMN FROM: RFG	Ply: 1 Qty: 1	**Job Number:** 22-8616B Terrell **Truss Label:** FT6	Cust: R 215 JRef:1XMb2150006 T9 DrwNo: 016.23.0757.29427 KD / YK 01/16/2023



Loading Criteria (psf)

TCLL:	40.00
TCDL:	10.00
BCLL:	0.00
BCDL:	5.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00
Load Duration:	1.00
Spacing:	24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.06 ft
TCDL: 4.2 psf
BCDL: 3.0 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: 1.33

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: 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): 0.158	P	999	480
VERT(CL): 0.239	P	784	360
HORZ(LL): 0.082	H	-	-
HORZ(TL): 0.124	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.644
Max BC CSI: 0.653
Max Web CSI: 0.752

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	306	/-	/-	/232	/121	/350
S	3169	/-	/-	/836	/376	/-
N	692	/-	/-	/171	/119	/-

Wind reactions based on MWFRS
B Brg Wid = 5.5 Min Req = 1.5
S Brg Wid = 4.9 Min Req = 2.3
N Brg Wid = 3.5 Min Req = 1.5
Bearings B, S, & 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	547	- 433	I - J	99	- 750
C - E	1324	- 508	J - K	593	- 1484
F - G	318	- 1696	K - L	603	- 1484
G - I	99	- 750	L - M	574	- 1424

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
S - R	274	- 500	P - O	1484	- 603
Q - P	1588	- 560			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - S	244	- 797	F - Q	1085	- 214
D - S	653	- 2334	Q - J	531	- 931
D - E	649	- 2319	L - O	242	- 504
S - F	146	- 816	O - M	1580	- 635
E - G	1425	- 340	M - N	327	- 742

Lumber

Top chord: 2x4 SP M-31; T3,T4 2x4 SP #2;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3; W3 2x6 SP 2400f-2.0E;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

------(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC: From	103 plf at	-2.00 to	103 plf at	27.75
BC: From	5 plf at	-2.00 to	5 plf at	0.00
BC: From	10 plf at	0.00 to	10 plf at	27.75

TC: 811 lb Conc. Load at 17.60

Plating Notes

All plates are 2X4 except as noted.

Wind

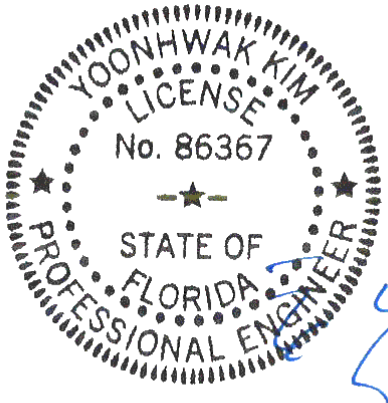
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-8-13.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2025

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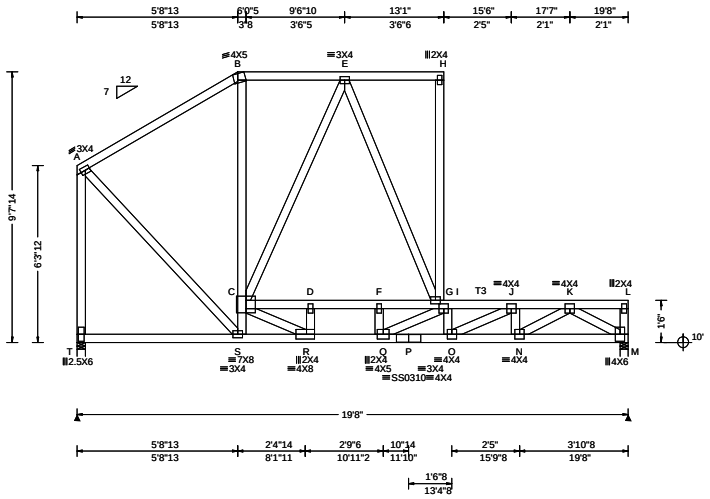
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536395 COMN FROM: RFG	Ply: 2 Qty: 4	**Job Number:** 22-8616B Terrell **Truss Label:** FT6A	Cust: R 215 JRef:1XMb2150006 T22 DrwNo: 016.23.0757.40150 KD / YK 01/16/2023	

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 40.00	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): 0.238 F 993 480
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.371 F 635 360
BCDL: 5.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.149 B - -
Des Ld: 55.00	EXP: C Kzt: NA		HORZ(TL): 0.234 B - -
NCBCLL: 10.00	Mean Height: 15.58 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 4.2 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.576
Load Duration: 1.00	BCDL: 3.0 psf	TPI Std: 2014	Max BC CSI: 0.879
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Varies by Ld Case	Max Web CSI: 0.871
	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, 18SS	VIEW Ver: 20.01.01A.0724.11
	Wind Duration: 1.33		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
T	1378	/-	/-	/362	/185	/100
M	1658	/-	/-	/336	/238	/-

Wind reactions based on MWFRS
T Brg Wid = 3.5 Min Req = 1.5
M Brg Wid = 3.5 Min Req = 1.5
Bearings T & 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.
A - B	146	- 445	G - I	782	- 2102
C - D	645	- 1814	I - J	1248	- 3390
D - F	663	- 1864	J - K	868	- 2264
F - G	679	- 1915			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
R - Q	2052	- 766	O - N	2420	- 927
Q - P	3485	- 1281	N - M	1308	- 535
P - O	3485	- 1281			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - T	198	- 663	Q - I	571	- 1585
A - S	477	- 140	I - O	138	- 406
S - C	181	- 488	O - J	1116	- 370
C - R	1830	- 644	J - N	252	- 665
R - D	147	- 415	N - K	1153	- 402
E - G	284	- 515	K - M	616	- 1505
F - Q	422	- 136			

Lumber

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

Nailnote

Nail Schedule:0.128"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.=1.00 / Plate Dur.Fac.=1.00)
TC: From 103 plf at 0.00 to 103 plf at 19.67
BC: From 10 plf at 0.00 to 10 plf at 19.67
TC: 811 lb Conc. Load at 13.23

Wind

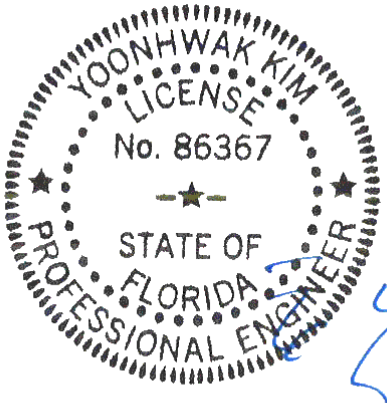
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 9-7-14.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2023

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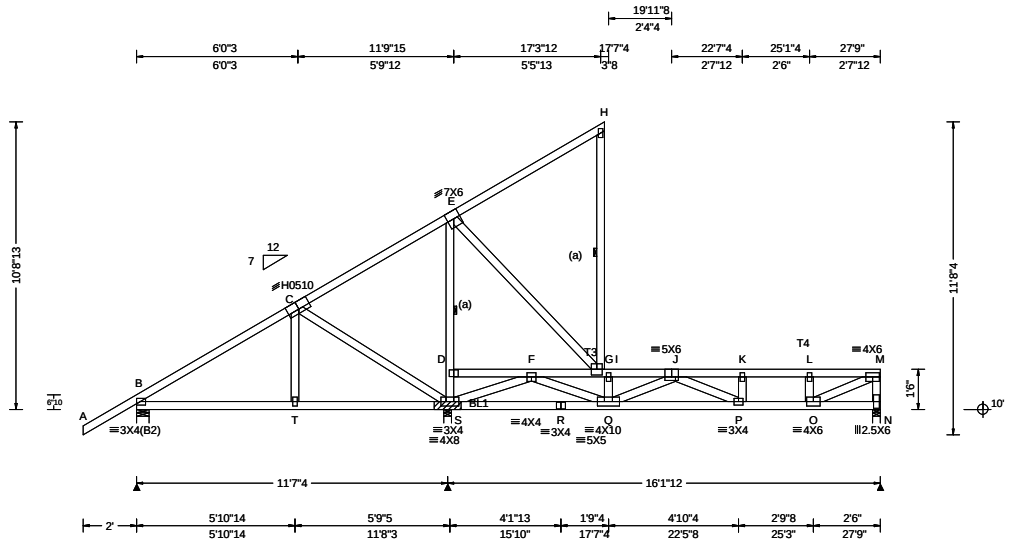
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536291 COMN FROM: RFG	Ply: 1 Qty: 6	**Job Number:** 22-8616B Terrell **Truss Label:** FT7	Cust: R 215 JRef:1XMb2150006 T11 DrwNo: 016.23.0757.51523 KD / YK 01/16/2023



Loading Criteria (psf)

TCLL:	40.00
TCDL:	10.00
BCLL:	0.00
BCDL:	5.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.00
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.06 ft
TCDL: 4.2 psf
BCDL: 3.0 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: 1.33

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: 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): 0.138	K	999	480
VERT(CL): 0.208	K	925	360
HORZ(LL): 0.066	H	-	-
HORZ(TL): 0.100	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.673
Max BC CSI: 0.829
Max Web CSI: 0.875

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
B	157	/-	/-	/188	/104	/350
S	3361	/-	/-	/889	/401	/-
N	662	/-	/-	/162	/114	/-

Wind reactions based on MWFRS
B Brg Wid = 5.5 Min Req = 1.5
S Brg Wid = 3.5 Min Req = -
N Brg Wid = 3.5 Min Req = 1.5
Bearings B, S, & 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	879	- 520	I - J	58	- 622
C - E	1532	- 566	J - K	562	- 1368
F - G	331	- 1784	K - L	572	- 1371
G - I	75	- 622	L - M	543	- 1313

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - T	181	- 614	R - Q	174	- 414
T - S	180	- 615	Q - P	1468	- 523
S - R	174	- 414	P - O	1371	- 572

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - S	215	- 689	F - Q	1124	- 220
D - S	730	- 2622	Q - J	537	- 939
D - E	726	- 2605	L - O	238	- 484
S - F	143	- 825	O - M	1456	- 601
E - G	1706	- 414	M - N	314	- 694

Lumber

Top chord: 2x4 SP M-31; T3,T4 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

------(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC: From	103 plf at	-2.00 to	103 plf at	27.75
BC: From	5 plf at	-2.00 to	5 plf at	0.00
BC: From	10 plf at	0.00 to	10 plf at	27.75

TC: 811 lb Conc. Load at 17.60

Plating Notes

All plates are 2X4 except as noted.

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Bearing Block(s)

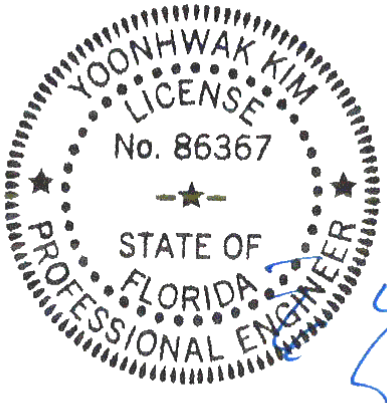
Brg blocks:0.128"x3", min. nails

brg	x-loc	#blocks	length/blk	#nails/blk	wall plate
2	11.458'	1	12"	4	Rigid Surface

Brg block to be same size and species as chord.
Refer to drawing CNNAILSP1014 for more information.

Additional Notes

The overall height of this truss excluding overhang is 10-8-13.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2023

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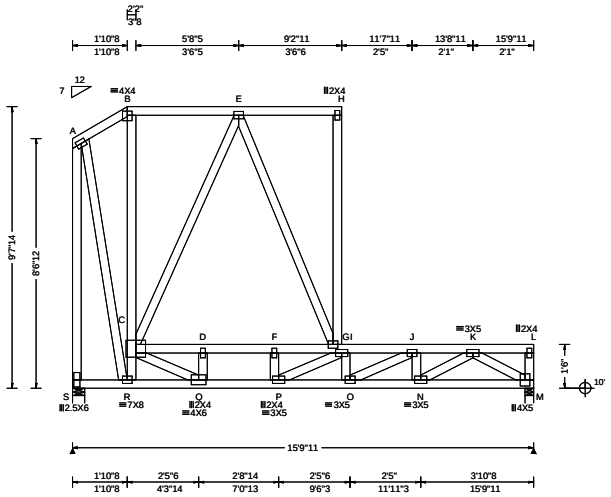
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536400 COMN FROM: RFG	Ply: 2 Qty: 2	**Job Number:** 22-8616B Terrell **Truss Label:** FT7A	Cust: R 215 JRef:1XMb2150006 T20 DrwNo: 016.23.0758.02237 KD / YK 01/16/2023

2 Complete Trusses Required



Loading Criteria (psf)

TCLL:	40.00
TCDL:	10.00
BCLL:	0.00
BCDL:	5.00
Des Ld:	55.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.00
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.58 ft
TCDL: 4.2 psf
BCDL: 3.0 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: 1.33

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: 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): 0.180	H	999	480
VERT(CL): 0.286	H	662	360
HORZ(LL): 0.156	B	-	-
HORZ(TL): 0.248	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.799
Max BC CSI: 0.756
Max Web CSI: 0.735

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
S	1225	/-	/-	/263	/142	/42
M	1375	/-	/-	/255	/186	/-

Wind reactions based on MWFRS
S Brg Wid = 4.9 Min Req = 1.5
M Brg Wid = 3.5 Min Req = 1.5
Bearings S & M are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
C - D	514	- 1419	G - I	605	- 1579
D - F	526	- 1452	I - J	1016	- 2642
F - G	538	- 1488	J - K	745	- 1822

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
Q - P	1543	- 593	O - N	1945	- 794
P - O	2702	- 1035	N - M	1071	- 476

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - S	217	- 531	O - J	803	- 255
A - R	451	- 187	J - N	208	- 522
R - C	290	- 680	N - K	906	- 325
C - Q	1544	- 563	K - M	548	- 1232
P - I	492	- 1288			

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

Nailnote
Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @11.75" 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.=1.00 / Plate Dur.Fac.=1.00)
TC: From 103 plf at 0.00 to 103 plf at 15.81
BC: From 10 plf at 0.00 to 10 plf at 15.81
TC: 811 lb Conc. Load at 9.37

Plating Notes
All plates are 3X4 except as noted.

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

Additional Notes
The overall height of this truss excluding overhang is 9-7-14.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2023

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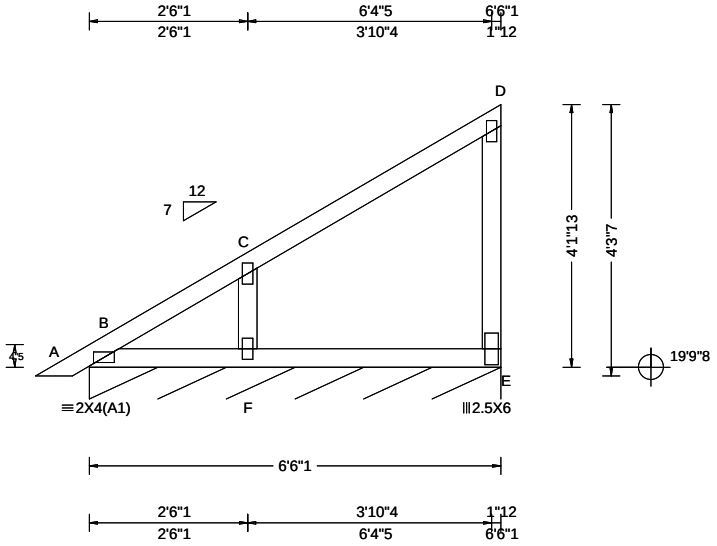
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536483 GABL FROM:	Ply: 1 Qty: 26	**Job Number:** 22-8616B Terrell **Truss Label:** P1	Cust: R 215 JRef:1XMb2150006 T3 DrwNo: 016.23.0753.01710 KD / YK 01/16/2023



Loading Criteria (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 32.00
NCBCLL: 10.00
Soffit: 2.00
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: 21.80 ft
TCDL: 4.2 psf
BCDL: 3.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.33

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)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

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

Creep Factor: 2.0
Max TC CSI: 0.333
Max BC CSI: 0.102
Max Web CSI: 0.148

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B*	71	/-	/-	/45	/31	/28

Wind reactions based on MWFRS
B Brg Wid = 78.0 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Maximum Gable Forces Per Ply (lbs)

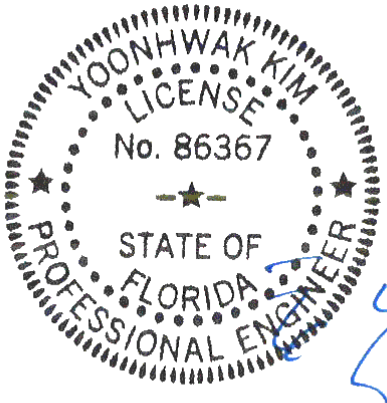
Gables	Tens.Comp.
C - F	411 -219

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

Plating Notes
All plates are 2X4 except as noted.

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

Additional Notes
See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.
The overall height of this truss excluding overhang is 15-11-5.
REFER TO PB1400310 FOR PIGGYBACK DETAILS.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2023

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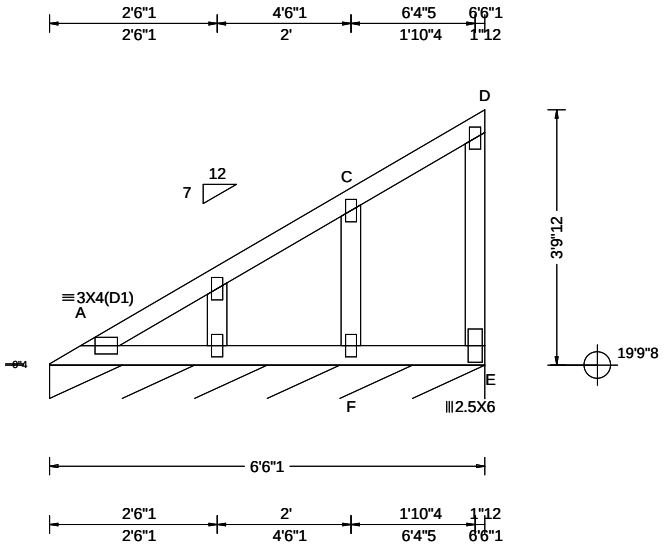
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536420 GABL FROM:	Ply: 1 Qty: 2	**Job Number:** 22-8616B Terrell **Truss Label:** P2	Cust: R 215 JRef:1XMb2150006 T23 DrwNo: 016.23.0755.20093 KD / YK 01/16/2023



Loading Criteria (psf)

TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	5.00
Des Ld:	32.00
NCBCLL:	10.00
Soffit:	2.00

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: 21.84 ft
TCDL: 4.2 psf
BCDL: 3.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.33

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)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.003	A	999	240
VERT(CL): 0.005	A	999	180
HORZ(LL): -0.009	D	-	-
HORZ(TL): 0.010	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.149
Max BC CSI: 0.138
Max Web CSI: 0.164

VIEW Ver: 20.01.01A.0724.11

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A*	138	/-	/-	/66	/123	/87

Wind reactions based on MWFRS
A Brg Wid = 78.0 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 - C	98	-521

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - F	560	-94	F - E	575	-98

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.
C - F	459	-300

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

Right end vertical not exposed to wind pressure.

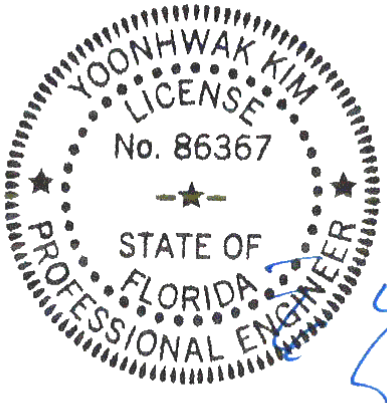
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

The overall height of this truss excluding overhang is 15-7-4.

REFER TO PB1400310 FOR PIGGYBACK DETAILS.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2023

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

ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

Gable Stud Reinforcement Detail

ASCE 7-16: 140 mph Wind Speed, 30' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Or: 120 mph Wind Speed, 30' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00
Or: 120 mph Wind Speed, 30' Mean Height, Enclosed, Exposure D, Kzt = 1.00
Or: 100 mph wind speed, 30' 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 *		(1) 2x4 'L' Brace *		(2) 2x4 'L' Brace **		(1) 2x6 'L' Brace *		(2) 2x6 'L' Brace **	
				Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B
24" o.c.	SPF HF	#1 / #2	4' 1"	6' 11"	7' 2"	8' 2"	8' 6"	9' 9"	10' 2"	12' 10"	13' 4"	14' 0"	14' 0"
		#3	3' 10"	6' 2"	6' 7"	8' 1"	8' 5"	9' 8"	10' 0"	12' 8"	13' 2"	14' 0"	14' 0"
		Stud	3' 10"	6' 2"	6' 6"	8' 1"	8' 5"	9' 8"	10' 0"	12' 8"	13' 2"	14' 0"	14' 0"
		Standard	3' 10"	5' 3"	5' 7"	7' 0"	7' 6"	9' 6"	10' 0"	11' 0"	11' 10"	14' 0"	14' 0"
	SP DFL	#1	4' 2"	7' 0"	7' 3"	8' 3"	8' 7"	9' 10"	10' 3"	13' 0"	13' 6"	14' 0"	14' 0"
		#2	4' 1"	6' 11"	7' 2"	8' 2"	8' 6"	9' 9"	10' 2"	12' 10"	13' 4"	14' 0"	14' 0"
		#3	4' 0"	5' 7"	5' 11"	7' 5"	7' 11"	9' 8"	10' 1"	11' 7"	12' 5"	14' 0"	14' 0"
		Stud	4' 0"	5' 7"	5' 11"	7' 5"	7' 11"	9' 8"	10' 1"	11' 7"	12' 5"	14' 0"	14' 0"
		Standard	3' 9"	4' 11"	5' 13"	6' 6"	7' 0"	8' 10"	9' 6"	10' 3"	11' 0"	13' 11"	14' 0"
16" o.c.	SPF HF	#1 / #2	4' 8"	7' 11"	8' 3"	9' 4"	9' 9"	11' 2"	11' 7"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 5"	7' 6"	8' 3"	9' 3"	9' 7"	11' 0"	11' 6"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	4' 5"	7' 6"	8' 0"	9' 3"	9' 7"	11' 0"	11' 6"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	4' 5"	6' 5"	6' 10"	8' 7"	9' 2"	11' 0"	11' 6"	13' 6"	14' 0"	14' 0"	14' 0"
	SP DFL	#1	4' 10"	8' 0"	8' 4"	9' 6"	9' 10"	11' 3"	11' 9"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	4' 8"	7' 11"	8' 3"	9' 4"	9' 9"	11' 2"	11' 7"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 7"	6' 10"	7' 3"	9' 1"	9' 8"	11' 1"	11' 6"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	4' 7"	6' 10"	7' 3"	9' 1"	9' 8"	11' 1"	11' 6"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	4' 5"	6' 0"	6' 5"	8' 0"	8' 7"	10' 10"	11' 6"	12' 7"	13' 15"	14' 0"	14' 0"
12" o.c.	SPF HF	#1 / #2	5' 2"	8' 9"	9' 1"	10' 4"	10' 9"	11' 2"	12' 9"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 10"	8' 7"	8' 11"	10' 2"	10' 7"	12' 2"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	4' 10"	8' 7"	8' 11"	10' 2"	10' 7"	12' 2"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	4' 10"	7' 5"	7' 11"	9' 11"	10' 7"	12' 2"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"
	SP DFL	#1	5' 4"	8' 10"	9' 2"	10' 5"	10' 10"	12' 5"	12' 11"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	5' 2"	8' 9"	9' 1"	10' 4"	10' 9"	12' 3"	12' 9"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	5' 0"	7' 10"	8' 4"	10' 3"	10' 8"	12' 2"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	5' 0"	7' 10"	8' 4"	10' 3"	10' 8"	12' 2"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	4' 10"	6' 11"	7' 4"	9' 3"	9' 10"	12' 2"	12' 8"	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 100 plf over continuous bearing (5 psf TC Dead Load).

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

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

* For (1) 'L' brace: space nails at 2" o.c. in 18" end zones and 4" o.c. between zones.
** For (2) '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.

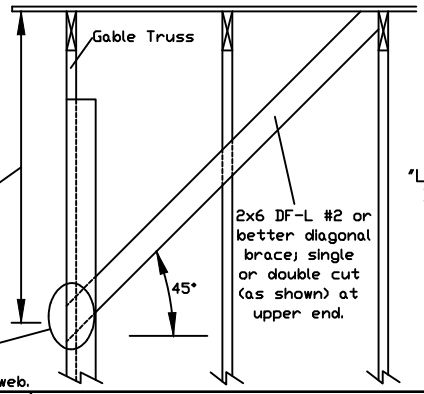
Gable Vertical Plate Sizes

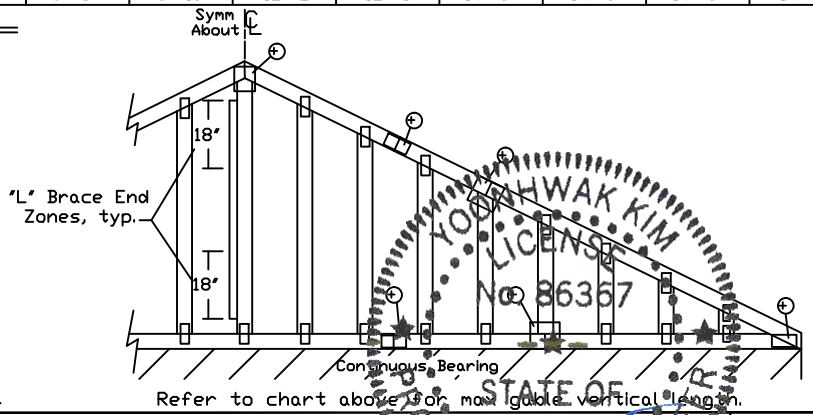
Vertical Length	No Splice
Less than 4' 0"	2X4
Greater than 4' 0", but less than 11' 6"	3X4
Greater than 11' 6"	4X4

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

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

Diagonal brace option: vertical length may be doubled when diagonal brace is used. Connect diagonal brace for 525# at each end. Max web total length is 14'.





Refer to chart above for max gable vertical length.

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

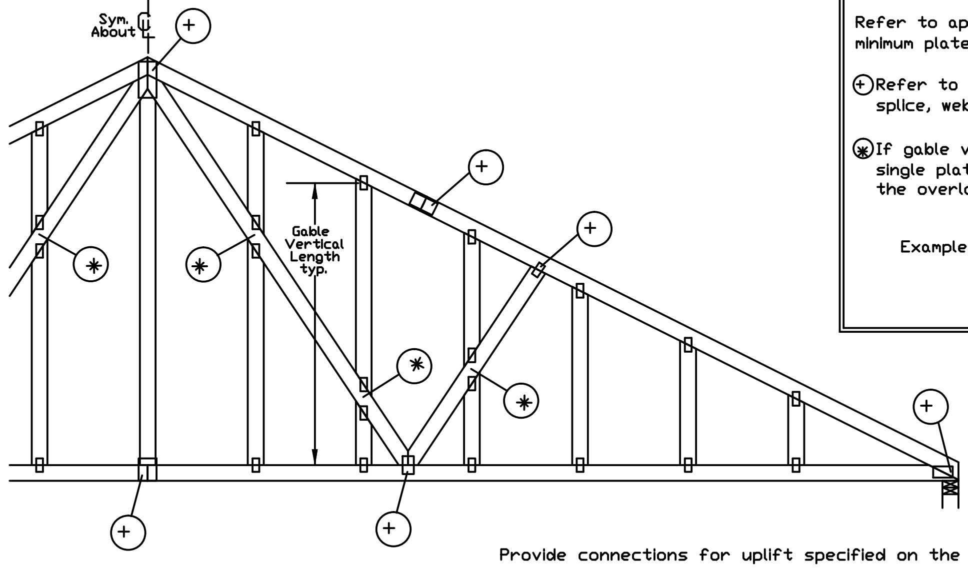
MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-16-GAB14030
DATE	01/26/2018
DRWG	A14030ENC160118

Gable Detail

For Let-in Verticals



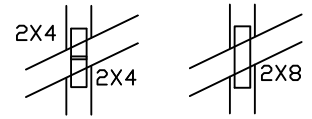
Gable Truss Plate Sizes

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

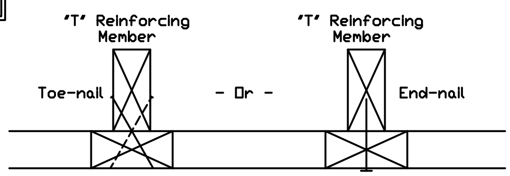
(+) Refer to Engineered truss design for peak, splice, web, and heel plates.

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

Example:



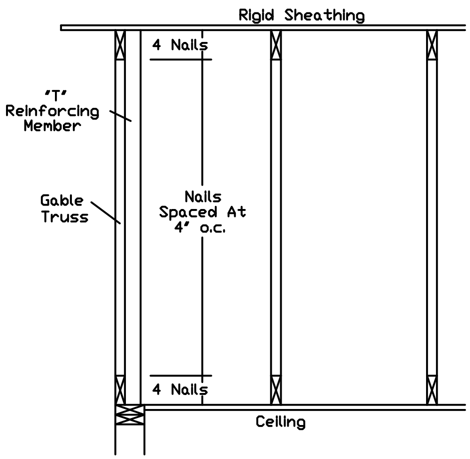
'T' Reinforcement Attachment Detail



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 — YOONHWAK KIM — No. 86367

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ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

01/16/2023
FL REG# 278, Yoonhwak Kim, FL PE #86367

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

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

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 *		(1) 2x4 "L" Brace *		(2) 2x4 "L" Brace **		(1) 2x6 "L" Brace *		(2) 2x6 "L" Brace **	
				Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	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.

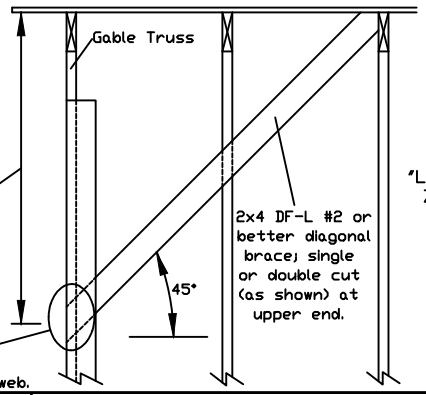
Attach "L" braces with 10d (0.128"x3.0" min) nails.

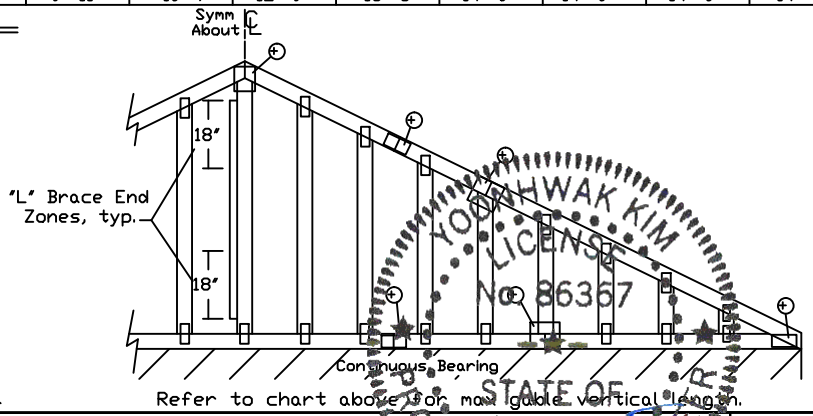
* For (1) "L" brace: space nails at 2" o.c. in 18" end zones and 4" o.c. between zones.

** 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.

Diagonal brace option: vertical length may be doubled when diagonal brace is used. Connect diagonal brace for 450# at each end. Max web total length is 14'.





Refer to chart above for max gable vertical 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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MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

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

01/16/2023

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

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.

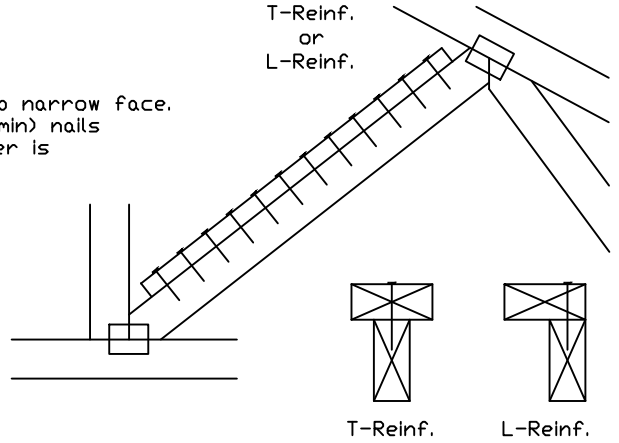
Web Member Size	Specified CLR Restraint	Alternative Reinforecement T- or L- Reinf.	Alternative Reinforecement Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(*)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(*)

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.

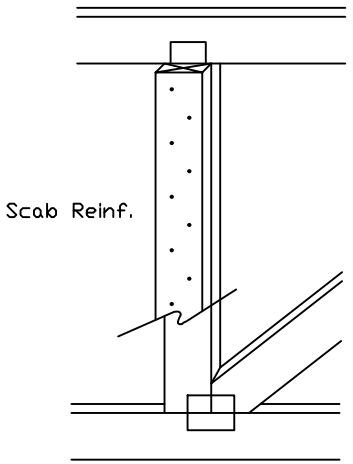
T-Reinforcement or L-Reinforcement:

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.



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TC LL	PSF	REF CLR Subst.
TC DL	PSF	DATE 01/02/19
BC DL	PSF	DRWG BRCLBSUB0119
BC LL	PSF	
TOT. LD.	PSF	
DUR. FAC.		
SPACING		

1/16/2022
PE REG# 278, Yoonhwak Kim, FL PE #86367

NAIL SPACING DETAIL

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

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

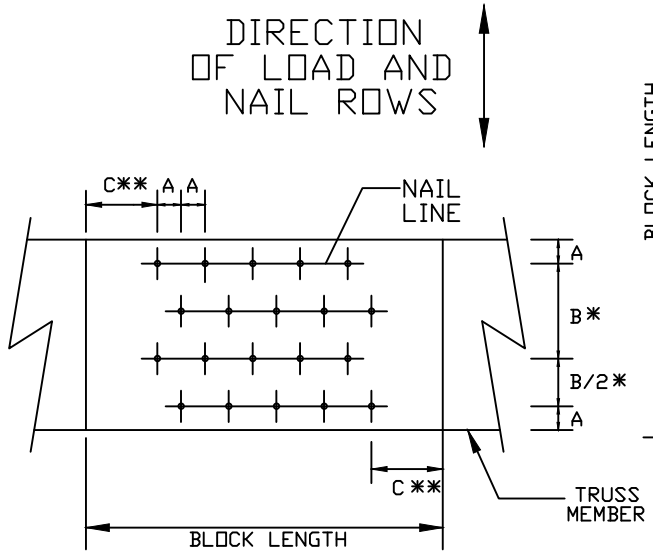
LOAD PERPENDICULAR TO GRAIN
A - EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
B - SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
C - END DISTANCE (15 NAIL DIAMETERS)

LOAD PARALLEL TO GRAIN
A - EDGE DISTANCE (6 NAIL DIAMETERS)
C - SPACING OF NAILS IN A ROW AND END DISTANCE (15 NAIL DIAMETERS)
D - SPACING BETWEEN STAGGERED ROWS OF NAILS (7 1/2 NAIL DIAMETERS)

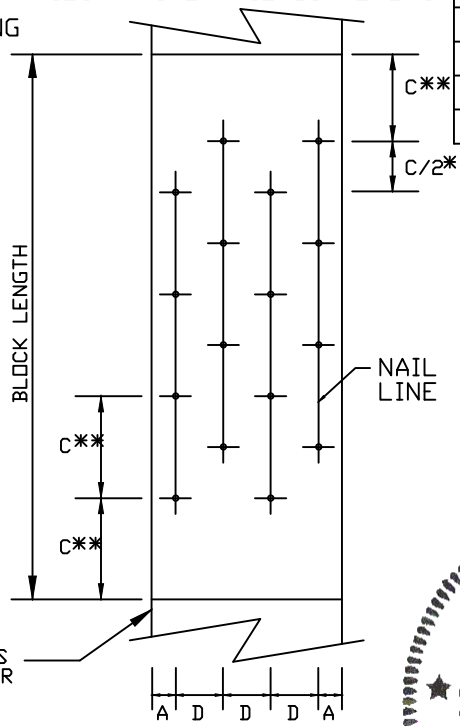
IF NAIL HOLES ARE PREBORED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW:
* SPACING MAY BE REDUCED BY 50%
** SPACING MAY BE REDUCED BY 33%

MINIMUM NAIL SPACING DISTANCES

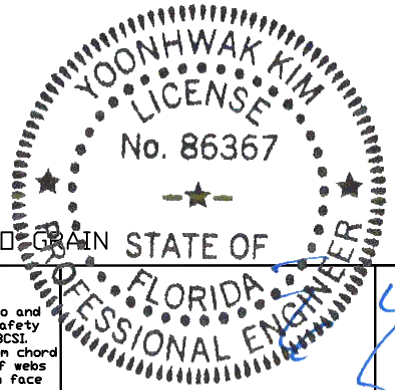
NAIL TYPE	DISTANCES A	B*	C**	D
8d BOX (0.113"X 2.5",MIN)	3/4"	1 3/8"	1 3/4"	7/8"
10d BOX (0.128"X 3.",MIN)	7/8"	1 5/8"	2"	1"
12d BOX (0.128"X 3.25",MIN)	7/8"	1 5/8"	2"	1"
16d BOX (0.135"X 3.5",MIN)	7/8"	1 5/8"	2 1/8"	1 1/8"
20d BOX (0.148"X 4.",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
8d COMMON (0.131"X 2.5",MIN)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



LOAD APPLIED PERPENDICULAR TO GRAIN



LOAD APPLIED PARALLEL TO GRAIN



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REF	NAIL SPACE
DATE	10/01/14
DRWG	CNNAILSP1014

10/16/2023
FL Reg. #78, Yoonhwak Kim, FL PE #86367