

ALPINE
AN ITW COMPANY

11/13/2023

FL REQ# 278, David J. Rothweiler, FL PE# 88430

Alpine, an ITW company
155 Harlem Ave.
North Building, 4th Floor
Glenview, IL 60025
Phone: (800)326-4102 (314)344-9121
alpineitw.com

This item has been electronically signed and sealed by David J. Rothweiler on the date adjacent to the seal using a SHA authentication code. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

Site Information:	Page 1:
Customer: Kora Compoments, LLC	*Job Number:* KTQ23455-BLDG-RANCH-R-Rev-2
Job Description: Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D	
Address: RANCH MASTER PARCEL ID: XXX GLADES COUNTY, F	

Job Engineering Criteria:	
Design Code: FBC 7th Ed. 2020 Res.	*IntelliVIEW Version:* 22.02.00 *JRef #:* 1XUR94190003
Wind Standard: ASCE 7-16 *Wind Speed (mph):* 145 *Building Type:* Closed	*Design Loading (psf):* 45.00

This package contains general notes pages, 40 truss drawing(s) and 3 detail(s).

Item	Drawing Number	Truss
1	317.23.0701.21690	A01
3	317.23.0701.21516	A03
5	317.23.0703.12607	A05
7	317.23.0701.20638	A07
9	317.23.0703.16567	A09
11	317.23.0701.20967	A11
13	317.23.0703.23240	A13
15	317.23.0703.27890	A15
17	317.23.0703.32370	A17
19	317.23.0703.37070	A19
21	317.23.0701.21612	A21
23	317.23.0701.20984	A23
25	317.23.0701.20622	A25
27	317.23.0701.21265	CJ01
29	317.23.0701.20669	G01
31	317.23.0703.50383	G03
33	317.23.0701.21578	G05
35	317.23.0701.21233	GE01
37	317.23.0701.20921	J01
39	317.23.0701.21846	J03
41	A18015ENC160118	
43	GBLLETIN0118	

Item	Drawing Number	Truss
2	317.23.0701.21281	A02
4	317.23.0701.21437	A04
6	317.23.0701.21217	A06
8	317.23.0703.14503	A08
10	317.23.0703.18850	A10
12	317.23.0703.21080	A12
14	317.23.0703.25400	A14
16	317.23.0703.30270	A16
18	317.23.0703.34577	A18
20	317.23.0703.40893	A20
22	317.23.0701.21721	A22
24	317.23.0701.20983	A24
26	317.23.0701.20670	A26
28	317.23.0701.20591	CJ02
30	317.23.0701.20922	G02
32	317.23.0701.21799	G04
34	317.23.0701.20951	G06
36	317.23.0701.20607	GE02
38	317.23.0701.21174	J02
40	317.23.0701.21249	J05
42	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.

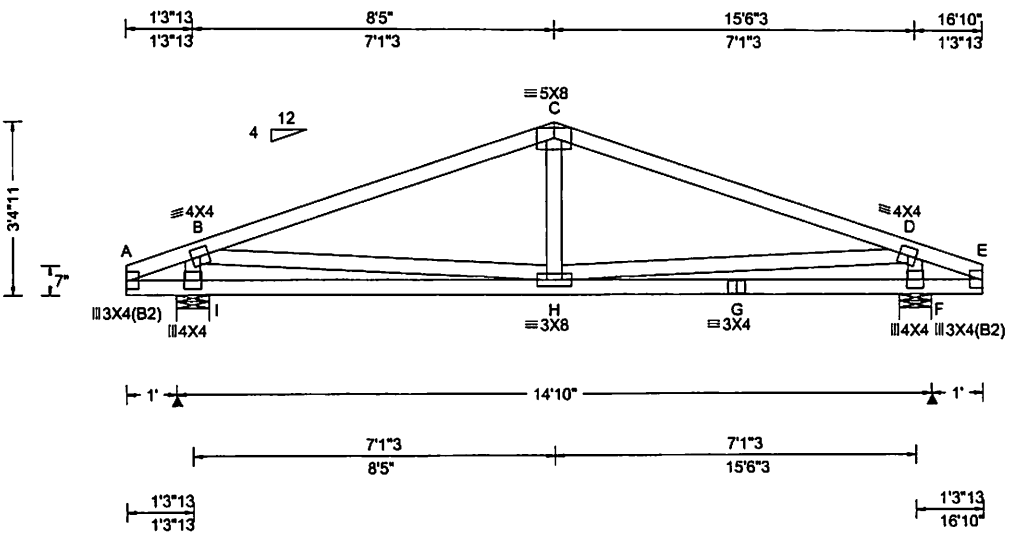
BCDL = Bottom Chord standard design Dead Load in pounds per square foot.
BCLL = Bottom Chord standard design Live Load in pounds per square foot.
CL = Certified lumber.
Des Ld = total of TCLL, TCDL, BCLL and BCDL Design Load in pounds per square foot.
FRT = Fire Retardant Treated lumber.
FRT-DB = D-Blaze 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.
FRT-PR = ProWood 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 all load cases.
Max TC CSI = Maximum bending and axial Combined Stress Index for Top Chords for all load cases.
Max Web CSI= Maximum bending and axial Combined Stress Index for Webs for 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: 85801 / COMN FROM:	Ply: 1 Qty: 3	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** A01	Cust: R 9419 JRef: 1XUR94190003 T30 / DrwNo: 317.23.0701.21690 / FK 11/13/2023



Loading Criteria (psf)

TCLL:	20.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	45.00
NCBCLL:	10.00
Soffit:	2.00
Load Duration:	1.25
Spacing:	24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 145 mph
Enclosure: Closed
Risk Category: II
EXP: D Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.33

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/PT:10(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.017	H	999	360
VERT(CL): 0.039	H	999	240
HORZ(LL): 0.004	F	-	-
HORZ(TL): 0.009	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.630
Max BC CSI: 0.349
Max Web CSI: 0.271

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
I	774	/-	/-	/477	/264	/69
F	774	/-	/-	/477	/264	/-

Wind reactions based on MWFRS
I Brg Wid = 7.6 Min Req = 1.5 (Truss)
F Brg Wid = 7.6 Min Req = 1.5 (Truss)
Bearings I & 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	878	-965	C - D	878	-965

Maximum Bot Chord Forces Per Ply (lbs)

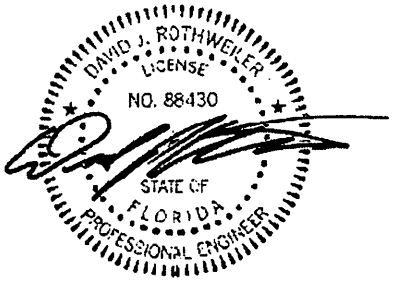
Chords	Tens.	Comp.	Chords	Tens.	Comp.
I - H	423	-433	G - F	425	-420
H - G	425	-420			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
I - B	820	-686	H - D	457	-305
B - H	458	-303	D - F	821	-685

Lumber
Top chord: 2x4 SPF #1/#2;
Bot chord: 2x4 SPF #1/#2;
Webs: 2x4 SPF #1/#2;

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

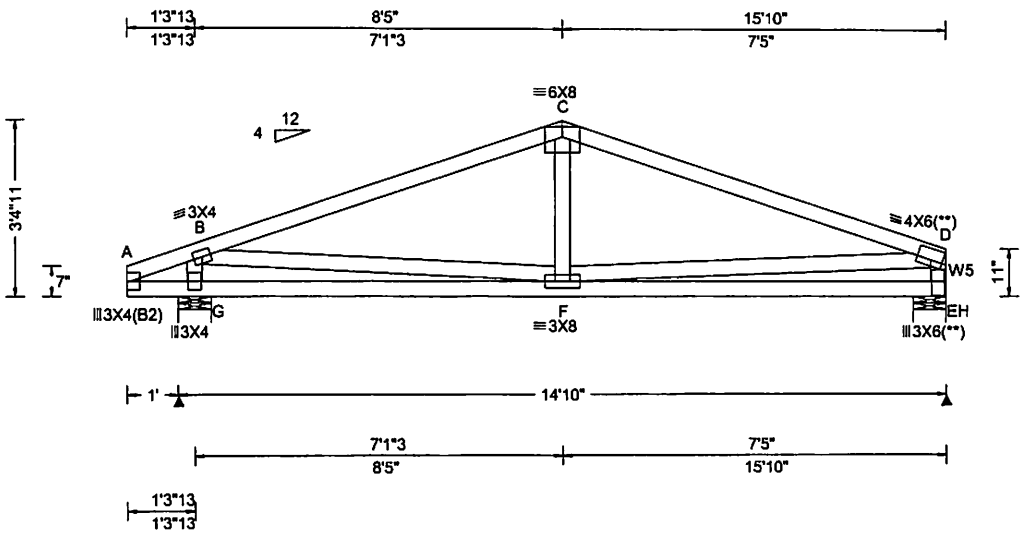


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****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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

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

SEQN: 118342 / COMN FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** A02	Cust: R 9419 JRef: 1XUR94190003 T10 / DrwNo: 317.23.0701.21281 / FK 11/13/2023



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: 15.00	Speed: 145 mph	Pf: NA Ce: NA	VERT(LL): 0.021 F 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.047 F 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.004 D - -
Des Ld: 45.00	EXP: D Kzt: NA		HORZ(TL): 0.009 D - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.649
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.395
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes	Max Web CSI: 0.378
	C&C Dist a: 3.00 ft	FT/RT/PT:10(0)/3(0)/1(0)	
	Loc. from endwall: not in 4.50 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 22.02.00.0914.21
	Wind Duration: 1.33		

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	791	/-	/-	/485	/270	/73
H	662	/-	/-	/383	/236	/-

Wind reactions based on MWFRS
G Brg Wid = 7.6 Min Req = 1.5 (Truss)
H Brg Wid = 7.6 Min Req = 1.5 (Truss)
Bearings G & H are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	684	-1035	C - D	689	-1035

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
G - F	396	-334

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
G - B	618	-703	F - D	700	-406
B - F	550	-337	D - E	468	-597

Lumber

Top chord: 2x4 SPF #1/#2;
Bot chord: 2x4 SPF #1/#2;
Webs: 2x4 SPF #1/#2; W5 2x4 SP 2400f-2.0E;

Plating Notes

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

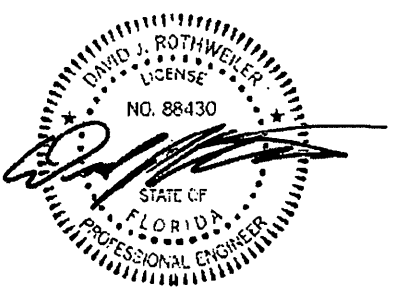
Wind

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

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.



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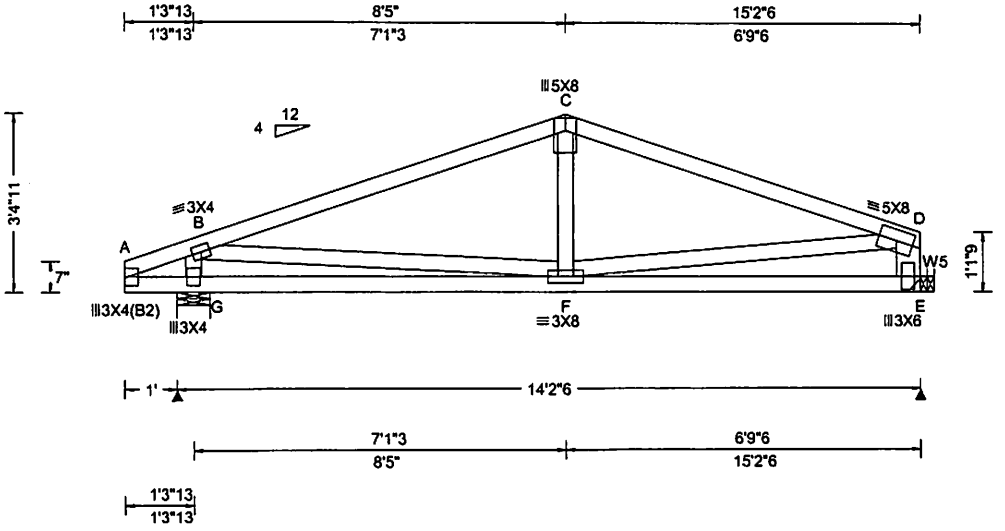
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 85803 / COMN FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** A03	Cust: R 9419 JRef: 1XUR94190003 T18 / DrwNo: 317.23.0701.21516 / FK 11/13/2023



Loading Criteria (psf)

TCLL:	20.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	45.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 145 mph
Enclosure: Closed
Risk Category: II
EXP: D Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.33

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/PT:10(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.017 F	999	360
VERT(CL):	0.038 F	999	240
HORZ(LL):	0.003 E	-	-
HORZ(TL):	0.007 E	-	-

Creep Factor: 2.0
Max TC CSI: 0.516
Max BC CSI: 0.352
Max Web CSI: 0.278

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	762	/-	/-	/472	/259	/76
E	633	/-	/-	/366	/226	/-

Wind reactions based on MWFRS
G Brg Wid = 7.6 Min Req = 1.5 (Truss)
E Brg Wid = - Min Req = -
Bearing G is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	646	-947	C - D	660	-940

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
G - F	416	-373

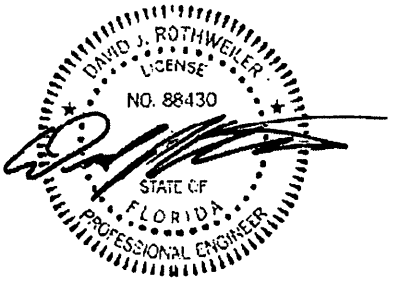
Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
G - B	624	-674	F - D	611	-375
B - F	442	-292	D - E	464	-571

Lumber
Top chord: 2x4 SPF #1/#2;
Bot chord: 2x4 SPF #1/#2;
Webs: 2x4 SPF #1/#2; W5 2x6 SPF #1/#2;

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.
Left cantilever is exposed to wind
Wind loading based on both gable and hip roof types.

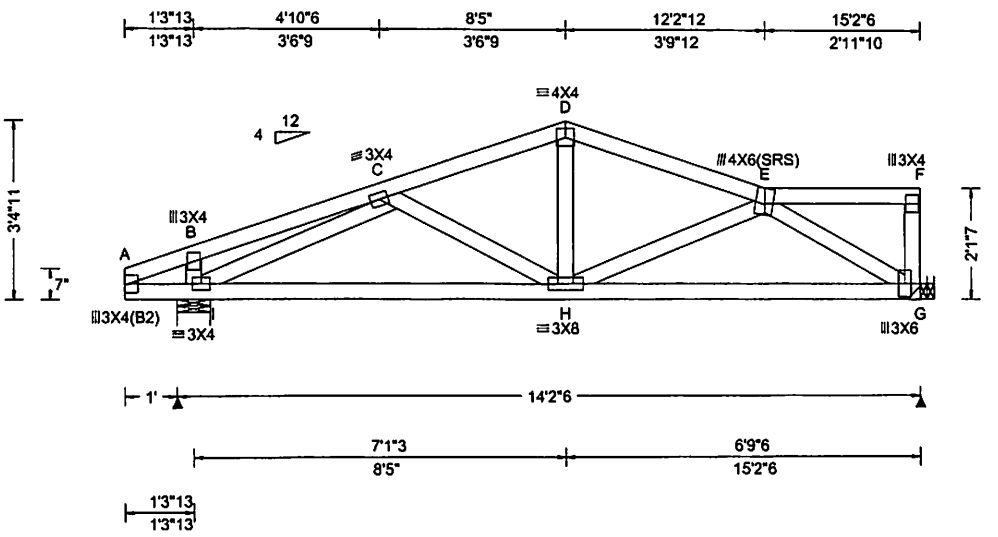


FL REQ# 278, David J. Rothweiler, FL PE# 88430
11/13/2023

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

SEQN: 85804 / COMN FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** A04	Cust: R 9419 JRef: 1XUR94190003 T1 / DrwNo: 317.23.0701.21437 / FK 11/13/2023



Loading Criteria (psf)

TCLL:	20.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	45.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 145 mph
Enclosure: Closed
Risk Category: II
EXP: D Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.33

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/PT:10(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.017	H	999	360
VERT(CL): 0.038	H	999	240
HORZ(LL): 0.008	G	-	-
HORZ(TL): 0.018	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.184
Max BC CSI: 0.437
Max Web CSI: 0.282

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
I	770	/-	/-	/485	/256	/89
G	625	/-	/-	/357	/230	/-

Wind reactions based on MWFRS
I Brg Wid = 7.6 Min Req = 1.5 (Truss)
G Brg Wid = - Min Req = -
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.
C - D	643	-822	D - E	653	-823

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
I - H	832	-739	H - G	789	-752

Maximum Web Forces Per Ply (lbs)

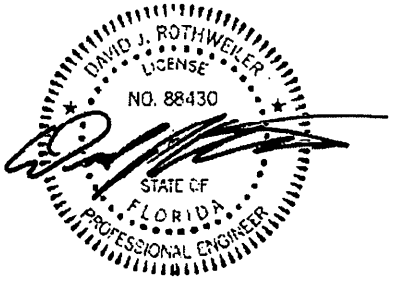
Webs	Tens.	Comp.	Webs	Tens.	Comp.
I - C	738	-902	E - G	879	-912

Lumber
Top chord: 2x4 SPF #1/#2;
Bot chord: 2x4 SPF #1/#2;
Webs: 2x4 SPF #1/#2;

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

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

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

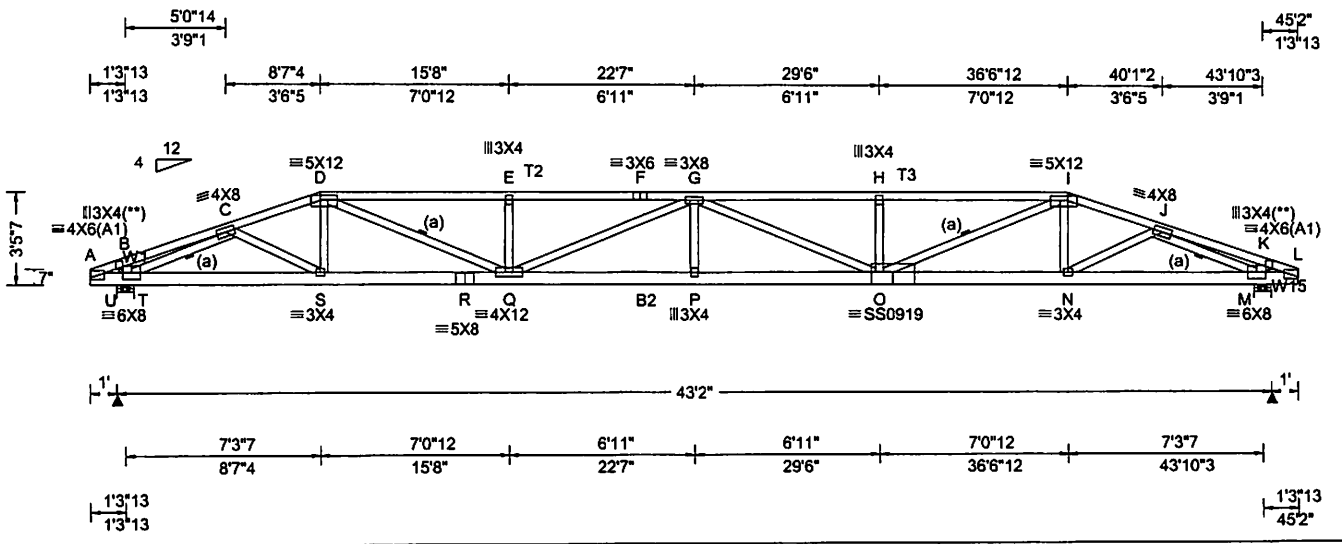


11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

SEQN: 118987 COMN FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** A05	Cust: R 9419 JRef: 1XUR94190003 T32 DrwNo: 317.23.0703.12607 / FK 11/13/2023



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: 15.00	Speed: 145 mph	Pf: NA Ce: NA	VERT(LL): 0.425 P 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.976 P 517 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.077 D - -
Des Ld: 45.00	EXP: D Kzt: NA		HORZ(TL): 0.178 D - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.674
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.698
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes	Max Web CSI: 0.871
	C&C Dist a: 4.52 ft	FT/RT/PT:10(0)/3(0)/1(0)	
	Loc. from endwall: not in 6.50 ft	Plate Type(s):	VIEW Ver: 22.02.00.0914.21
	GCpi: 0.18	WAVE, 18SS	
	Wind Duration: 1.33		

Lumber

Top chord: 2x4 SPF #1/#2; T2,
T3 2x4 SP 2400f-2.0E;
Bot chord: 2x6 SPF #1/#2; B2 2x6 SP 2400f-2.0E;
Webs: 2x4 SPF #1/#2; W1,W15 2x6 SP 2400f-2.0E;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

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

Purlins

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

Wind

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

Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

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

▲ Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
U	2070	/-	/-	/1290	/738	/88
M	2070	/-	/-	/1290	/738	/-

Wind reactions based on MWFRS
U Brg Wid = 7.6 Min Req = 3.2 (Truss)
M Brg Wid = 7.6 Min Req = 3.2 (Truss)
Bearings U & M are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

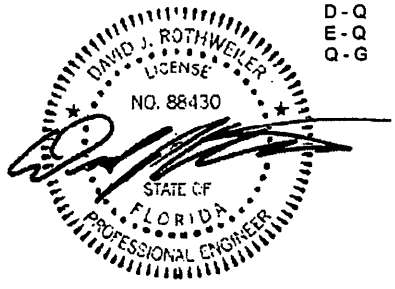
Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	183	-405	G - H	3676	-5929
C - D	2430	-3956	H - I	3676	-5929
D - E	3672	-5926	I - J	2429	-3955
E - F	3672	-5926	K - L	184	-406
F - G	3672	-5926			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - T	404	-184	P - O	6642	-3732
T - S	3235	-1883	O - N	3727	-2154
S - R	3728	-2138	N - M	3235	-1899
R - Q	3728	-2138	M - L	405	-185
Q - P	6642	-3732			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
T - C	2127	-3371	G - O	508	-786
C - S	567	-390	O - I	2408	-1465
D - Q	2403	-1459	H - O	546	-515
E - Q	546	-515	N - J	566	-390
Q - G	512	-789	J - M	2124	-3369



11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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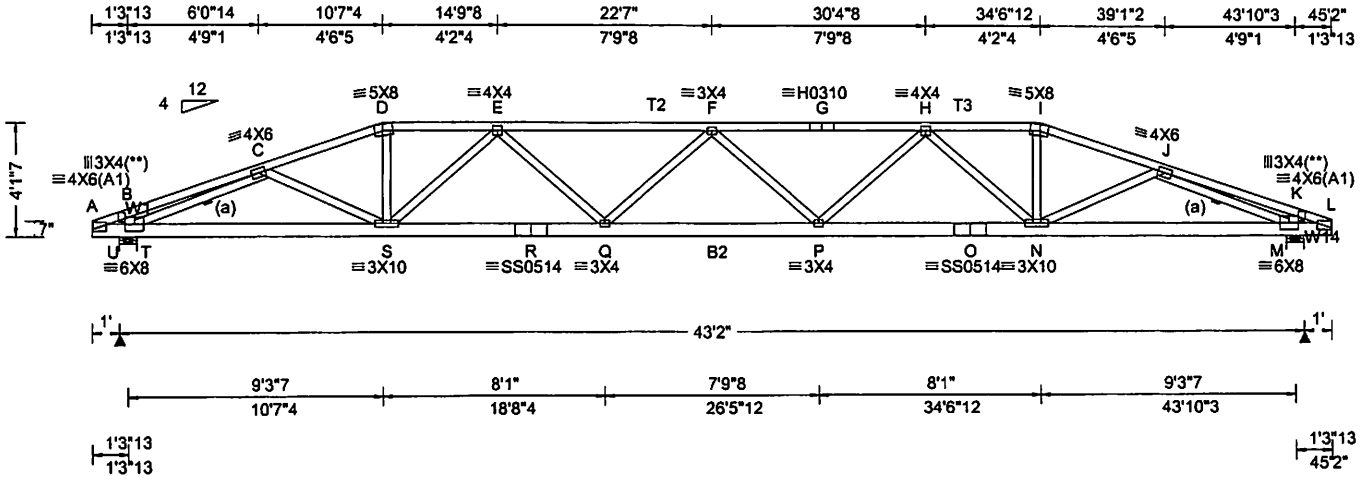
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 118214 / COMN FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** A06	Cust: R 9419 JRef:1XUR94190003 T40 / DrwNo: 317.23.0701.21217 / FK 11/13/2023



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:	15.00	Speed: 145 mph	Pf: NA Ce: NA	VERT(LL):	0.327 F	999	360	
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL):	0.749 F	674	240	
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL):	0.080 M	-	-	
Des Ld:	45.00	EXP: D Kzt: NA		HORZ(TL):	0.182 M	-	-	
NCBCLL:	10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0				
Soffit:	2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI:	0.592			
Load Duration:	1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI:	0.824			
Spacing:	24.0 "	MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes	Max Web CSI:	0.695			
		C&C Dist a: 4.52 ft	FT/RT/PT:10(0)/3(0)/1(0)					
		Loc. from endwall: not in 13.00 ft	Plate Type(s):	VIEW Ver: 22.02.00.0914.21				
		GCpi: 0.18	WAVE, 18SS, HS					
		Wind Duration: 1.33						

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
U	2070	/-	/-	/1304	/737	/109
M	2070	/-	/-	/1304	/737	/-

Wind reactions based on MWFRS
U Brg Wid = 7.6 Min Req = 3.2 (Truss)
M Brg Wid = 7.6 Min Req = 3.2 (Truss)
Bearings U & 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	215	-559	G - H	3186	-5161
B - C	208	-520	H - I	2343	-3709
C - D	2405	-3925	I - J	2405	-3925
D - E	2343	-3709	J - K	208	-520
E - F	3186	-5161	K - L	214	-559
F - G	3186	-5161			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - T	554	-222	P - O	4684	-2794
T - S	3471	-2048	O - N	4684	-2794
S - R	4683	-2777	N - M	3471	-2055
R - Q	4683	-2777	M - L	554	-222
Q - P	5472	-3165			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
T - C	2232	-3420	F - P	424	-434
D - S	952	-519	P - H	665	-322
S - E	970	-1331	H - N	972	-1332
E - Q	667	-323	N - I	953	-520
Q - F	425	-433	J - M	2232	-3420

Lumber

Top chord: 2x4 SPF #1/#2; T2,
T3 2x4 SP 2400f-2.0E;
Bot chord: 2x6 SPF #1/#2; B2 2x6 SP 1650f-1.5E;
Webs: 2x4 SPF #1/#2; W1,W14 2x6 SP 2400f-2.0E;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

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

Purlins

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

Wind

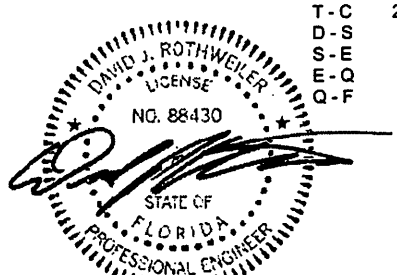
Wind loads based on MWFRS with additional C&C member design.

Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

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11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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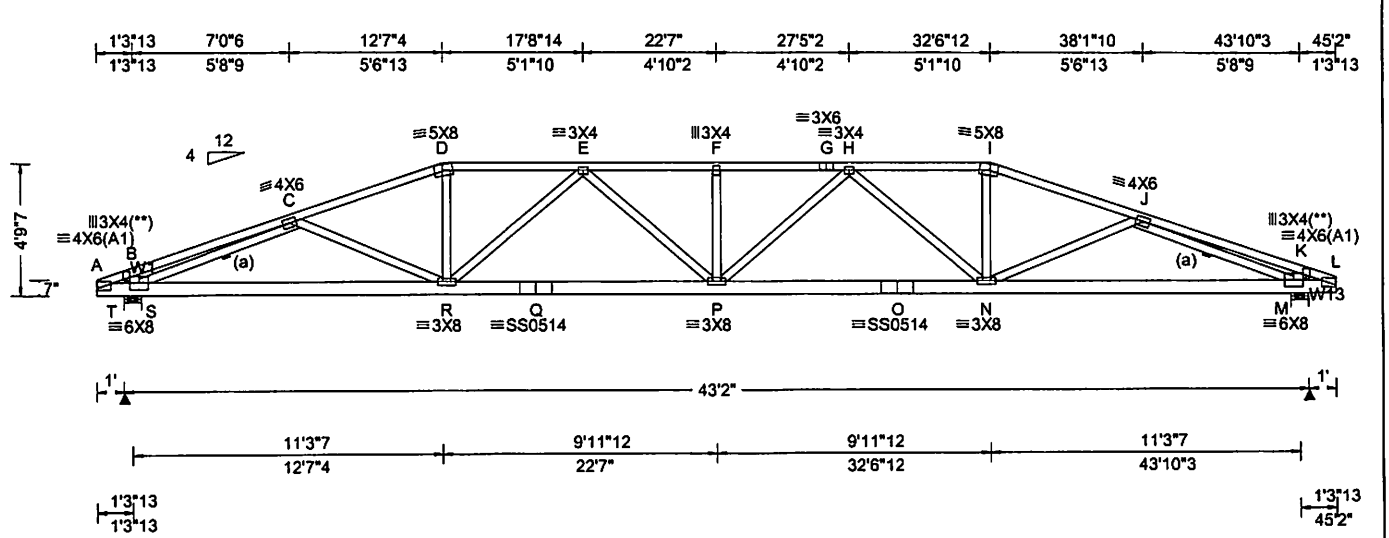
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 118232 / COMN FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** A07	Cust: R 9419 JRef:1XUR94190003 T2 / DrwNo: 317.23.0701.20638 / FK 11/13/2023



Loading Criteria (psf)

TCLL:	20.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	45.00
NCBCLL:	10.00
Soffit:	2.00
Load Duration:	1.25
Spacing:	24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 145 mph
Enclosure: Closed
Risk Category: II
EXP: D Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.52 ft
Loc. from endwall: not in 13.00 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/PT:10(0)/3(0)/1(0)
Plate Type(s):
WAVE, 18SS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL):	0.310	F	999	360
VERT(CL):	0.711	F	709	240
HORZ(LL):	0.075	M	-	-
HORZ(TL):	0.173	M	-	-

Creep Factor: 2.0
Max TC CSI: 0.738
Max BC CSI: 0.793
Max Web CSI: 0.727

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
T	2070	/-	/-	/1315	/417	/129
M	2070	/-	/-	/1315	/417	/-

Wind reactions based on MWFRS
T Brg Wid = 7.6 Min Req = 3.2 (Truss)
M Brg Wid = 7.6 Min Req = 3.2 (Truss)
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	246	-714	G - H	2923	-4630
B - C	238	-670	H - I	2318	-3628
C - D	2374	-3860	I - J	2374	-3861
D - E	2318	-3628	J - K	238	-670
E - F	2923	-4630	K - L	246	-714
F - G	2923	-4630			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - S	709	-264	P - O	4336	-2565
S - R	3601	-2150	O - N	4336	-2565
R - Q	4337	-2549	N - M	3601	-2133
Q - P	4337	-2549	M - L	709	-264

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - S	388	-397	P - H	400	-230
S - C	2269	-3382	H - N	744	-950
D - R	817	-393	N - I	816	-393
R - E	745	-950	J - M	2269	-3382
E - P	400	-230	M - K	388	-397

Lumber

Top chord: 2x4 SPF #1/#2;
Bot chord: 2x6 SPF #1/#2;
Webs: 2x4 SPF #1/#2; W1,W13 2x6 SP 2400f-2.0E;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

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

Purlins

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

Wind

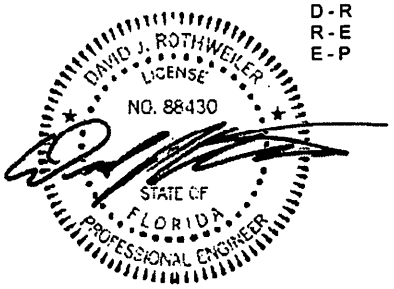
Wind loads based on MWFRS with additional C&C member design.

Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

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11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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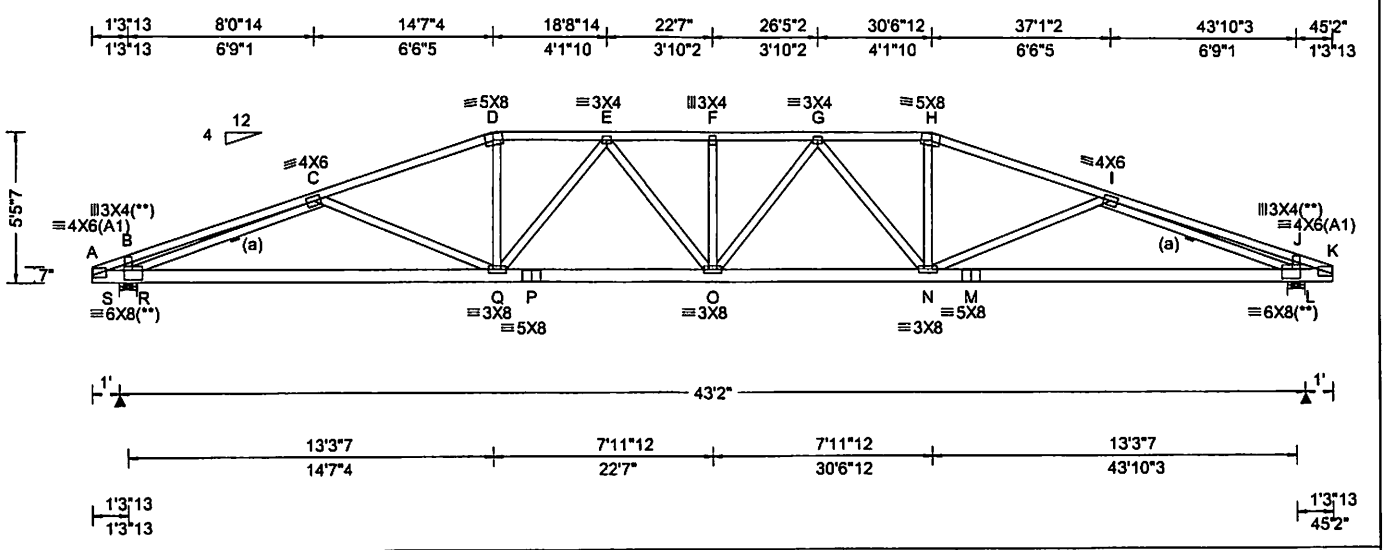
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ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 118991 COMN FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** A08	Cust: R 9419 JRef: 1XUR94190003 T39 DrwNo: 317.23.0703.14503 / FK 11/13/2023



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: 15.00	Speed: 145 mph	Pf: NA Ce: NA	VERT(LL): 0.270 F 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.618 F 819 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.073 L - -
Des Ld: 45.00	EXP: D Kzt: NA		HORZ(TL): 0.166 L - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.742
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.910
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.893
	C&C Dist a: 4.52 ft	FT/RT/PT:10(0)/3(0)/1(0)	
	Loc. from endwall: not in 13.00 ft	Plate Type(s):	VIEW Ver: 22.02.00.0914.21
	GCpi: 0.18	WAVE	
	Wind Duration: 1.33		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
S	2070	/-	/-	/1322	/393	/150
L	2070	/-	/-	/1322	/393	/-

Wind reactions based on MWFRS
S Brg Wid = 7.6 Min Req = 3.2 (Truss)
L Brg Wid = 7.6 Min Req = 3.2 (Truss)
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	274	-998	F - G	2659	-4031
B - C	312	-991	G - H	2277	-3515
C - D	2326	-3761	H - I	2326	-3761
D - E	2277	-3515	I - J	313	-990
E - F	2659	-4031	J - K	275	-997

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - R	939	-308	O - N	3877	-2256
R - Q	3734	-2257	N - M	3734	-2240
Q - P	3877	-2239	M - L	3734	-2240
P - O	3877	-2239	L - K	938	-309

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - R	460	-457	G - N	543	-588
R - C	2272	-3211	N - H	769	-378
D - Q	769	-378	I - L	2271	-3212
Q - E	543	-588	L - J	460	-457

Lumber

Top chord: 2x4 SPF #1/#2;
Bot chord: 2x6 SPF #1/#2;
Webs: 2x4 SPF #1/#2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

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

Purlins

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

Wind

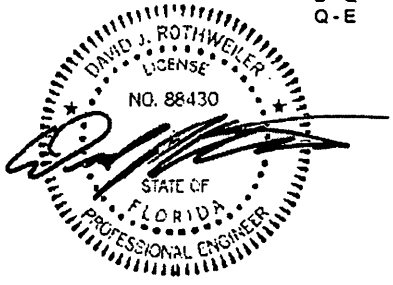
Wind loads based on MWFRS with additional C&C member design.

Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

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11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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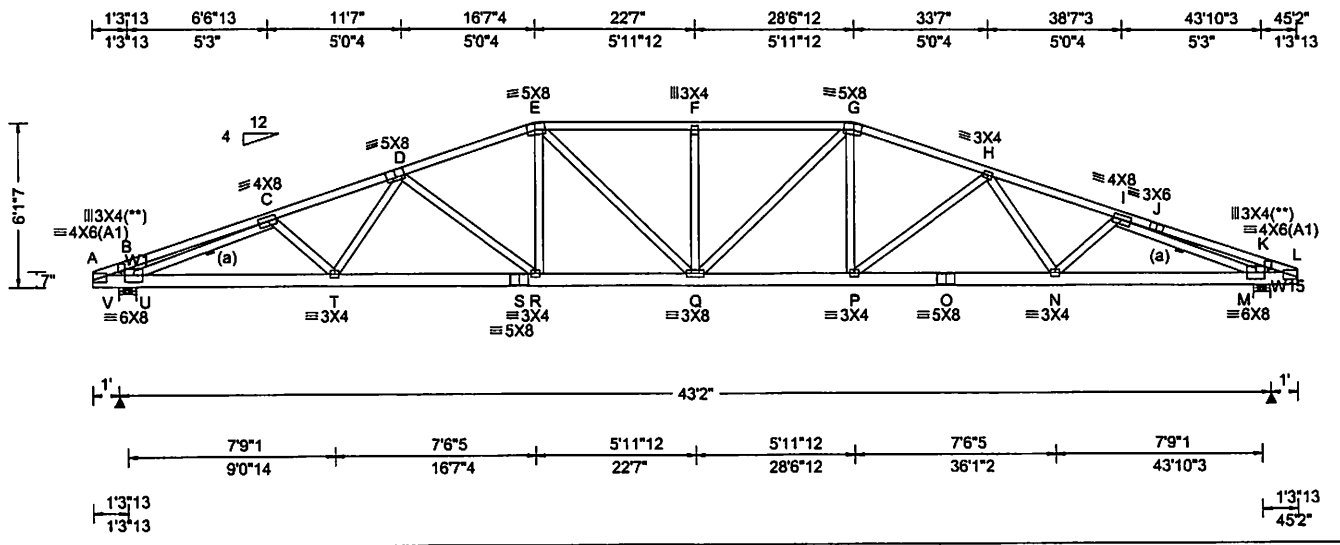
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 118993 COMN FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** A09	Cust: R 9419 JRef: 1XUR94190003 T6 DrwNo: 317.23.0703.16567 / FK 11/13/2023



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: 15.00	Speed: 145 mph	Pf: NA Ce: NA	VERT(LL): 0.242 F 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.555 F 909 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.067 M - -
Des Ld: 45.00	EXP: D Kzt: NA		HORZ(TL): 0.153 M - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.676
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.816
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.633
	C&C Dist a: 4.52 ft	FT/RT/PT:10(0)/3(0)/1(0)	
	Loc. from endwall: not in 13.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 22.02.00.0914.21
	Wind Duration: 1.33		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
V	2070	/-	/-	/1327	/330	/170
M	2070	/-	/-	/1327	/330	/-

Wind reactions based on MWFRS
V Brg Wid = 7.6 Min Req = 3.2 (Truss)
M Brg Wid = 7.6 Min Req = 3.2 (Truss)
Bearings V & 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	341	-636	G - H	2276	-3512
B - C	333	-595	H - I	2358	-3875
C - D	2357	-3874	I - J	333	-505
D - E	2276	-3511	J - K	329	-595
E - F	2426	-3553	K - L	341	-636
F - G	2426	-3553			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - U	633	-345	Q - P	3277	-1828
U - T	3549	-2082	P - O	3613	-2088
T - S	3612	-2104	O - N	3613	-2088
S - R	3612	-2104	N - M	3549	-2065
R - Q	3276	-1845	M - L	633	-346

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - U	347	-375	Q - G	385	-345
U - C	2083	-3412	G - P	486	-165
D - R	331	-429	P - H	334	-431
E - R	484	-163	I - M	2083	-3412
E - Q	386	-345	M - K	348	-376
F - Q	495	-448			

Lumber

Top chord: 2x4 SPF #1/#2;
Bot chord: 2x6 SPF #1/#2;
Webs: 2x4 SPF #1/#2; W1,W15 2x6 SPF #1/#2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

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

Purlins

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

Wind

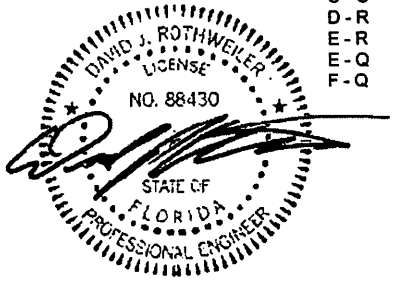
Wind loads based on MWFRS with additional C&C member design.

Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

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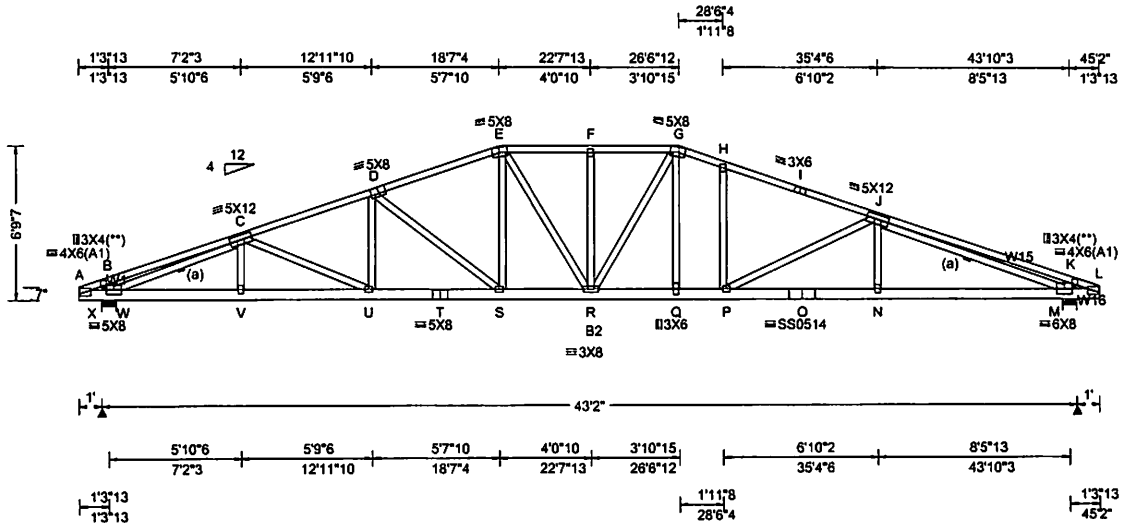
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 118996 COMN FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** A10	Cust: R 9419 JRef: 1XUR94190003 T27 DrwNo: 317.23.0703.18850 / FK 11/13/2023



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: 15.00	Speed: 145 mph	Pf: NA Ce: NA	VERT(LL): 0.264 H 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.605 H 835 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.061 L - -
Des Ld: 45.00	EXP: D Kzt: NA		HORZ(TL): 0.139 L - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.754
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.847
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.833
	C&C Dist a: 4.52 ft	FT/RT/PT:10(0)/3(0)/1(0)	
	Loc. from endwall: not in 13.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE, 18SS	VIEW Ver: 22.02.00.0914.21
	Wind Duration: 1.33		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
X	2070	/-	/-	/1328	/329	/191
M	2070	/-	/-	/1328	/329	/-

Wind reactions based on MWFRS
X Brg Wid = 7.6 Min Req = 3.2 (Truss)
M Brg Wid = 7.6 Min Req = 3.2 (Truss)
Bearings X & M are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	453	-765	G - H	2280	-3338
B - C	445	-721	H - I	2179	-3344
C - D	2372	-3838	I - J	2167	-3423
D - E	2172	-3298	J - K	590	-972
E - F	2167	-3138	K - L	605	-1032
F - G	2167	-3138			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - W	757	-453	R - Q	3181	-1766
W - V	3609	-2064	Q - P	3162	-1754
V - U	3609	-2062	P - O	3796	-2158
U - T	3570	-2038	O - N	3796	-2158
T - S	3570	-2038	N - M	3793	-2158
S - R	3064	-1704	M - L	1060	-645

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - W	371	-402	Q - G	872	-526
W - C	1920	-3327	P - J	459	-815
D - S	433	-674	J - M	1880	-3253
E - S	558	-249	M - K	585	-624

Lumber

Top chord: 2x4 SPF #1/#2;
Bot chord: 2x6 SPF #1/#2; B2 2x6 SP 2400f-2.0E;
Webs: 2x4 SPF #1/#2; W1,W16 2x6 SPF #1/#2;
W15 2x4 SPF 1650f-1.5E;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

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

Purlins

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Wind

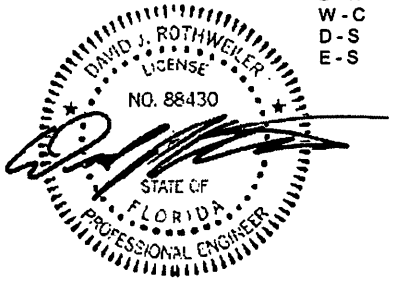
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Wind loading based on both gable and hip roof types.

Additional Notes

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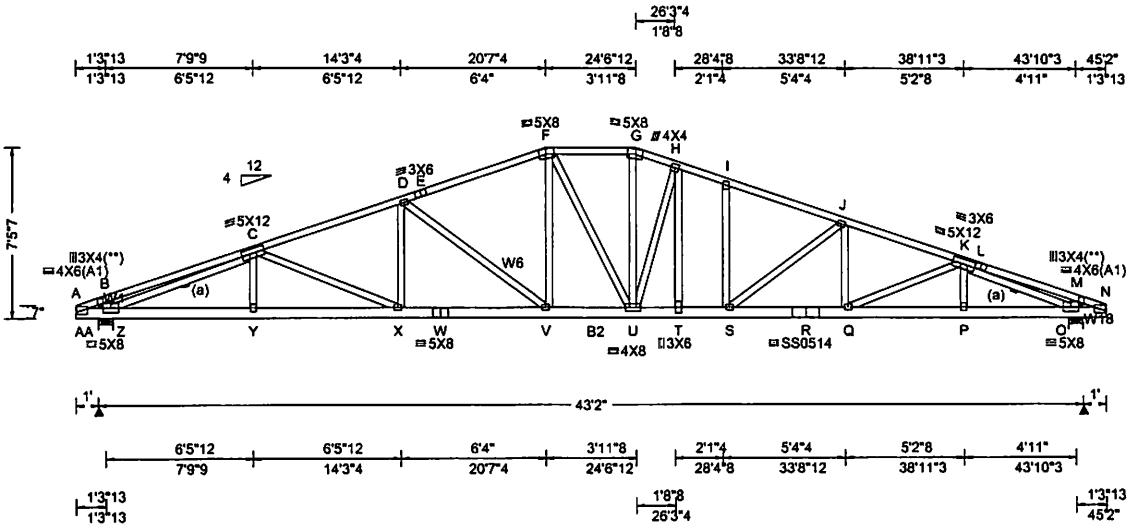
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 118248 / COMN	Ply: 1	Job Number: KTQ23455-BLDG-RANCH-R-Rev-2	Cust: R 9419 JRef: 1XUR94190003 T33 /
FROM:	Qty: 1	Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D	DrwNo: 317.23.0701.20967
		Truss Label: A11	/ FK 11/13/2023



Loading Criteria (psf)

TCLL:	20.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	45.00
NCBCLL:	10.00
Soffit:	2.00
Load Duration:	1.25
Spacing:	24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 145 mph
Enclosure: Closed
Risk Category: II
EXP: D Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.52 ft
Loc. from endwall: not in 13.00 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/PT:10(0)/3(0)/1(0)
Plate Type(s):
WAVE, 18SS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.271	I	999	360
VERT(CL): 0.622	I	812	240
HORZ(LL): 0.064	O	-	-
HORZ(TL): 0.148	O	-	-

Creep Factor: 2.0
Max TC CSI: 0.664
Max BC CSI: 0.827
Max Web CSI: 0.860

VIEW Ver: 22.02.00.0914.21

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
AA	2070	/-	/-	/1326	/327	/212
O	2070	/-	/-	/1326	/327	/-

Wind reactions based on MWFRS
AA Brg Wid = 7.6 Min Req = 3.2 (Truss)
O Brg Wid = 7.6 Min Req = 3.2 (Truss)
Bearings AA & 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	478	-837	H - I	2118	-3303
B - C	469	-790	I - J	2054	-3382
C - D	2210	-3763	J - K	2282	-3952
D - E	1923	-3084	K - L	366	-525
E - F	1941	-3067	L - M	363	-619
F - G	1903	-2842	M - N	372	-658
G - H	1987	-3024			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - Z	834	-485	T - S	3141	-1621
Z - Y	3672	-1990	S - R	3686	-1963
Y - X	3672	-1988	R - Q	3686	-1963
X - W	3489	-1860	Q - P	3455	-1859
W - V	3489	-1860	P - O	3456	-1862
V - U	2852	-1447	O - N	643	-363
U - T	3128	-1613			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - Z	412	-446	U - H	722	-1107
Z - C	1828	-3317	H - T	854	-492
D - V	529	-830	S - J	445	-770
E - V	612	-264	K - O	1817	-3287
U - G	848	-488			

Lumber
Top chord: 2x4 SPF #1/#2;
Bot chord: 2x6 SPF #1/#2; B2 2x6 SP 1650f-1.5E;
Webs: 2x4 SPF #1/#2; W1,W18 2x6 SP 2400f-2.0E;
W6 2x4 SPF 1650f-1.5E;

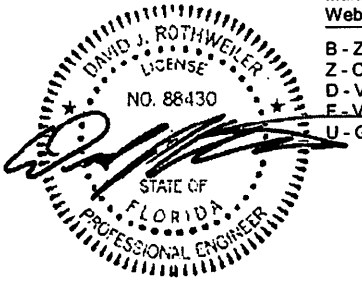
Bracing
(a) Continuous lateral restraint equally spaced on member.

Plating Notes
All plates are 3X4 except as noted.
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

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

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

Additional Notes
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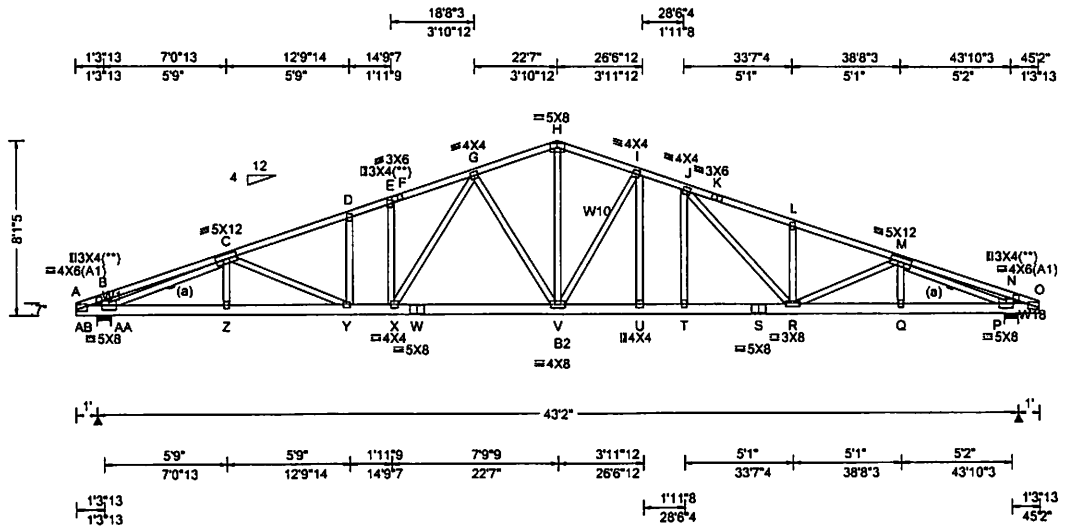


11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

SEQN: 146094 COMN	Ply: 1	Job Number: KTQ23455-BLDG-RANCH-R-Rev-2	Cust: R 9419 JRef: 1XUR94190003 T21
FROM:	Qty: 3	Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D	DrwNo: 317.23.0703.21080
		Truss Label: A12	/ FK 11/13/2023



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: 15.00	Speed: 145 mph	Pf: NA Ce: NA	VERT(LL): 0.272 J 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.603 J 837 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.069 D - -
Des Ld: 45.00	EXP: D Kzt: NA		HORZ(TL): 0.153 D - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.717
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.884
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.864
	C&C Dist a: 4.52 ft	FT/RT/PT:10(0)/3(0)/1(0)	
	Loc. from endwall: not in 13.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 22.02.00.0914.22
	Wind Duration: 1.33		

Lumber

Top chord: 2x4 SPF #1/#2;
Bot chord: 2x6 SPF #1/#2; B2 2x6 SP 2400f-2.0E;
Webs: 2x4 SPF #1/#2; W1,W18 2x6 SP 2400f-2.0E;
W10 2x4 SPF 1650f-1.5E;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

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

Loading

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

Wind

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

Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

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▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
AB	2137	/-	/-	/1321	/323	/232
P	2116	/-	/-	/1321	/324	/-

Wind reactions based on MWFRS
AB Brg Wid = 7.6 Min Req = 3.4 (Truss)
P Brg Wid = 7.6 Min Req = 3.3 (Truss)
Bearings AB & P are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

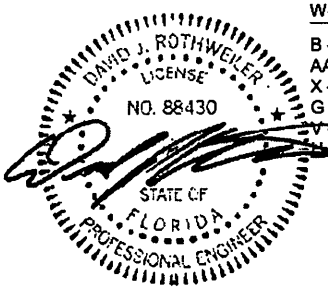
Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	384	-741	H - I	1720	-2945
B - C	378	-699	I - J	1975	-3436
C - D	2029	-3923	J - K	2263	-3974
D - E	2099	-3860	K - L	2258	-4055
E - F	2163	-3892	L - M	2141	-4047
F - G	2174	-3884	M - N	368	-664
G - H	1715	-2941	N - O	375	-705

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A -AA	731	-384	U - T	3253	-1489
AA- Z	3778	-1875	T - S	3273	-1503
Z - Y	3780	-1874	S - R	3273	-1503
Y - X	3656	-1709	R - Q	3592	-1779
X - W	3200	-1470	Q - P	3593	-1781
W - V	3200	-1470	P - O	692	-370
V - U	3242	-1482			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B -AA	350	-383	I - U	759	-426
AA- C	1807	-3536	T - J	437	-627
X - G	903	-465	J - R	865	-488
G - V	599	-869	R - L	347	-405
V - I	687	-989	M - P	1738	-3385
I - V	1575	-840			



FL REQ# 278, David J. Rothweiler, FL PE# 88430

11/13/2023

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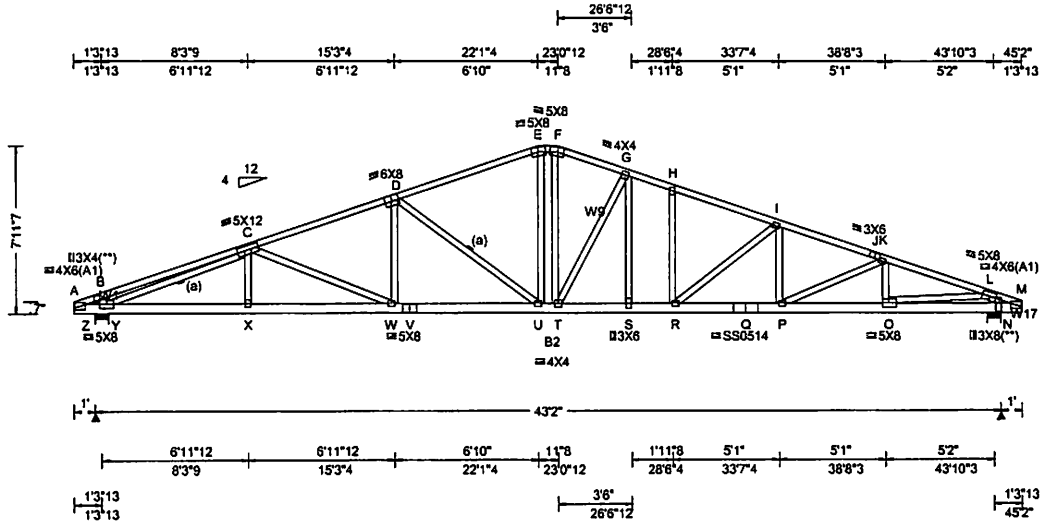
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 146099 COMN FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** A13	Cust: R 9419 JRef: 1XUR94190003 T4 DrwNo: 317.23.0703.23240 / FK 11/13/2023



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: 15.00	Speed: 145 mph	Pf: NA Ce: NA	VERT(LL): 0.265 H 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.608 H 834 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.055 N - -
Des Ld: 45.00	EXP: D Kzt: NA		HORZ(TL): 0.126 N - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.787
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.843
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.877
	C&C Dist a: 4.52 ft	FT/RT/PT:10(0)/3(0)/1(0)	
	Loc. from endwall: not in 13.00 ft	Plate Type(s):	VIEW Ver: 22.02.00.0914.22
	GCpi: 0.18	WAVE, 18SS	
	Wind Duration: 1.33		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Z	2081	/-	/-	/1328	/326	/227
N	2059	/-	/-	/1315	/323	/-

Wind reactions based on MWFRS
Z Brg Wid = 7.6 Min Req = 3.3 (Truss)
N Brg Wid = 7.6 Min Req = 3.2 (Truss)
Bearings Z & 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	503	-902	G - H	2034	-3349
B - C	493	-852	H - I	1976	-3421
C - D	2099	-3724	I - J	2230	-4019
D - E	1782	-2939	J - K	2215	-4028
E - F	1755	-2708	K - L	2077	-3897
F - G	1823	-2905	L - M	261	-527

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - Y	903	-517	S - R	3181	-1547
Y - X	3734	-1937	R - Q	3756	-1905
X - W	3735	-1935	Q - P	3756	-1905
W - V	3444	-1735	P - O	3682	-1906
V - U	3444	-1735	O - N	979	-525
U - T	2708	-1255	N - M	512	-253
T - S	3169	-1541			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - Y	448	-485	T - G	685	-1112
Y - C	1759	-3316	G - S	827	-413
W - D	406	-46	R - I	472	-812
D - U	611	-979	K - O	332	-431
E - U	556	-248	O - L	2711	-1386
E - T	901	-600	L - N	1109	-1848

Lumber

Top chord: 2x4 SPF #1/#2;
Bot chord: 2x6 SPF #1/#2; B2 2x6 SP 2400f-2.0E;
Webs: 2x4 SPF #1/#2; W1,W17 2x6 SP 2400f-2.0E;
W9 2x4 SPF 1650f-1.5E;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

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

Purlins

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

Wind

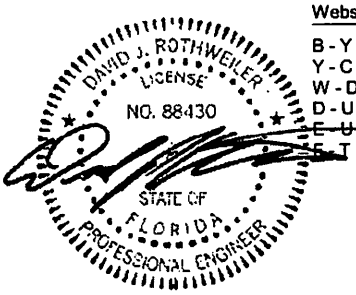
Wind loads based on MWFRS with additional C&C member design.

Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

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11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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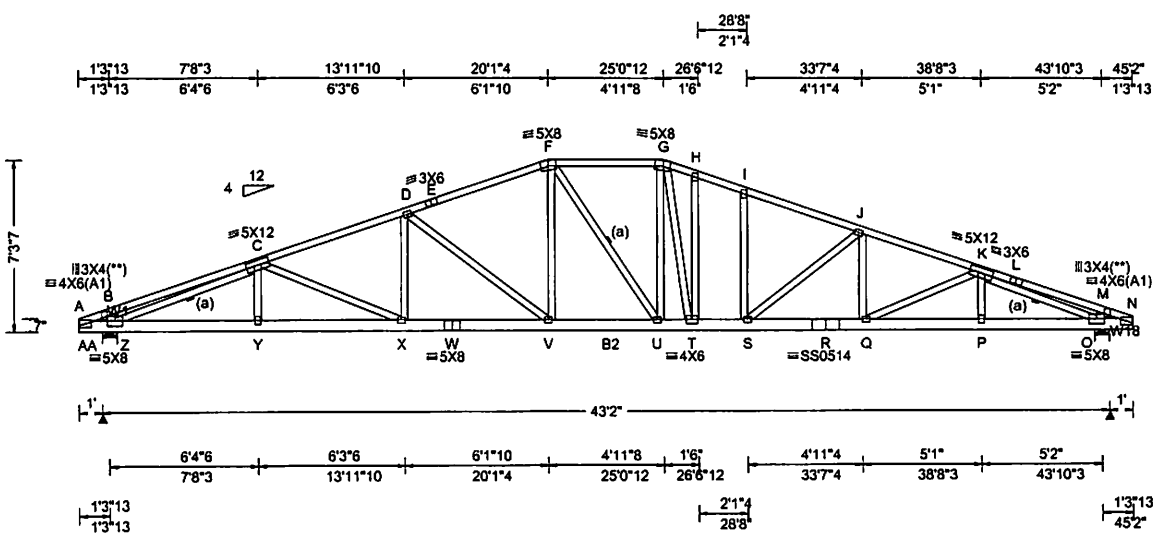
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ALPINE
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 146105 COMN FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** A14	Cust: R 9419 JRef: 1XUR94190003 T3 DrwNo: 317.23.0703.25400 / FK 11/13/2023



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: 15.00	Speed: 145 mph	Pf: NA Ce: NA	VERT(LL): 0.255 I 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.585 I 863 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.059 O - -
Des Ld: 45.00	EXP: D Kzt: NA		HORZ(TL): 0.135 O - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.629
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.824
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.845
	C&C Dist a: 4.52 ft	FT/RT/PT:10(0)/3(0)/1(0)	
	Loc. from endwall: not in 13.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE, 18SS	VIEW Ver: 22.02.00.0914.22
	Wind Duration: 1.33		

Lumber

Top chord: 2x4 SPF #1/#2;
Bot chord: 2x6 SPF #1/#2; B2 2x6 SP 2400f-2.0E;
Webs: 2x4 SPF #1/#2; W1,W18 2x6 SP 2400f-2.0E;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

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

Purlins

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

Wind

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

Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

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▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
AA	2070	/-	/-	/1327	/328	/207
O	2070	/-	/-	/1327	/328	/-

Wind reactions based on MWFRS
AA Brg Wid = 7.6 Min Req = 3.2 (Truss)
O Brg Wid = 7.6 Min Req = 3.2 (Truss)
Bearings AA & O are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

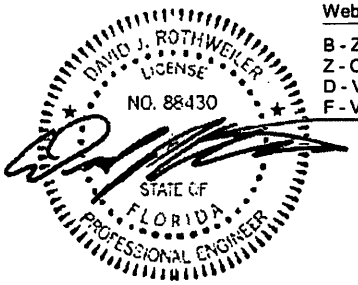
Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	476	-825	H - I	2149	-3298
B - C	467	-778	I - J	2081	-3372
C - D	2252	-3781	J - K	2313	-3938
D - E	1983	-3137	K - L	390	-569
E - F	1999	-3113	L - M	385	-653
F - G	1970	-2915	M - N	397	-693
G - H	2211	-3329			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - Z	821	-482	T - S	3134	-1646
Z - Y	3661	-2011	S - R	3672	-1986
Y - X	3661	-2009	R - Q	3672	-1986
X - W	3508	-1905	Q - P	3494	-1905
W - V	3508	-1905	P - O	3495	-1907
V - U	2907	-1513	O - N	680	-391
U - T	2926	-1510			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - Z	405	-439	U - G	275	-419
Z - C	1850	-3318	G - T	1219	-759
D - V	504	-787	S - J	449	-770
F - V	586	-236	K - O	1837	-3289



FL REQ# 278, David J. Rothweiler, FL PE# 88430

11/13/2023

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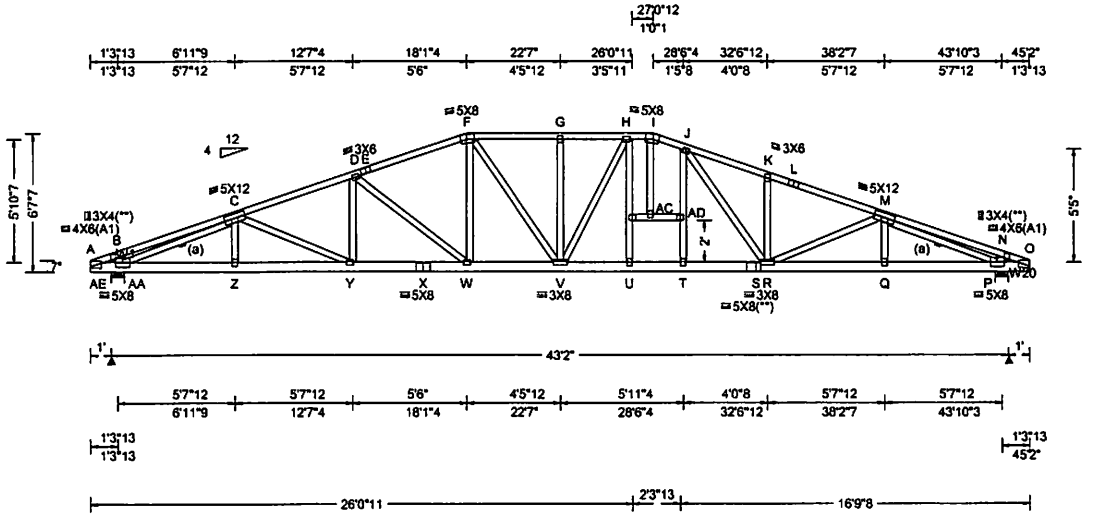
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 146108 COMN FROM:	Ply: 1 Qty: 1	Job Number: KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D Truss Label: A15		Cust: R 9419 JRef: 1XUR94190003 T44 DrwNo: 317.23.0703.27890 / FK 11/13/2023



Loading Criteria (psf)

TCLL:	20.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	45.00
NCBCLL:	10.00
Soffit:	2.00
Load Duration:	1.25
Spacing:	24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 145 mph
Enclosure: Closed
Risk Category: II
EXP: D Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.52 ft
Loc. from endwall: not in 13.00 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/PT:10(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.251 J	999	360
VERT(CL):	0.575 J	877	240
HORZ(LL):	0.066 P	-	-
HORZ(TL):	0.150 P	-	-

Creep Factor: 2.0
Max TC CSI: 0.629
Max BC CSI: 0.802
Max Web CSI: 0.678

VIEW Ver: 22.02.00.0914.22

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
AE	2070	/-	/-	/1328	/329	/186
P	2070	/-	/-	/1328	/329	/-

Wind reactions based on MWFRS
AE Brg Wid = 7.6 Min Req = 3.2 (Truss)
P Brg Wid = 7.6 Min Req = 3.2 (Truss)
Bearings AE & 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.
A - B	441	-738	H - I	2225	-3186
B - C	433	-696	I - J	2269	-3289
C - D	2411	-3858	J - K	2544	-3863
D - E	2211	-3348	K - L	2415	-3762
E - F	2227	-3336	L - M	2411	-3862
F - G	2255	-3242	M - N	434	-697
G - H	2255	-3242	N - O	441	-739

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A -AA	728	-438	U - T	3191	-1802
AA- Z	3582	-2076	T - S	3186	-1801
Z - Y	3582	-2073	S - R	3186	-1801
Y - X	3592	-2082	R - Q	3581	-2056
X - W	3592	-2082	Q - P	3581	-2058
W - V	3114	-1766	P - O	730	-438
V - U	3185	-1799			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B -AA	356	-386	AD- J	338	-378
AA- C	1943	-3329	J - R	738	-467
D - W	409	-619	R - K	378	-422
F - W	520	-217	M - P	1940	-3327
AC - I	510	-346	P - N	357	-388

Lumber

Top chord: 2x4 SPF #1/#2;
Bot chord: 2x6 SPF #1/#2;
Webs: 2x4 SPF #1/#2; W1,W20 2x6 SP 2400f-2.0E;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

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

Purlins

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

Wind

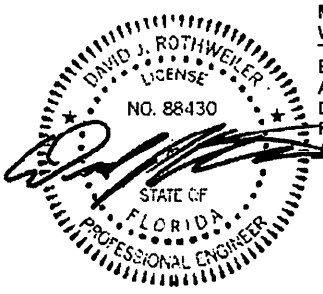
Wind loads based on MWFRS with additional C&C member design.

Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

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11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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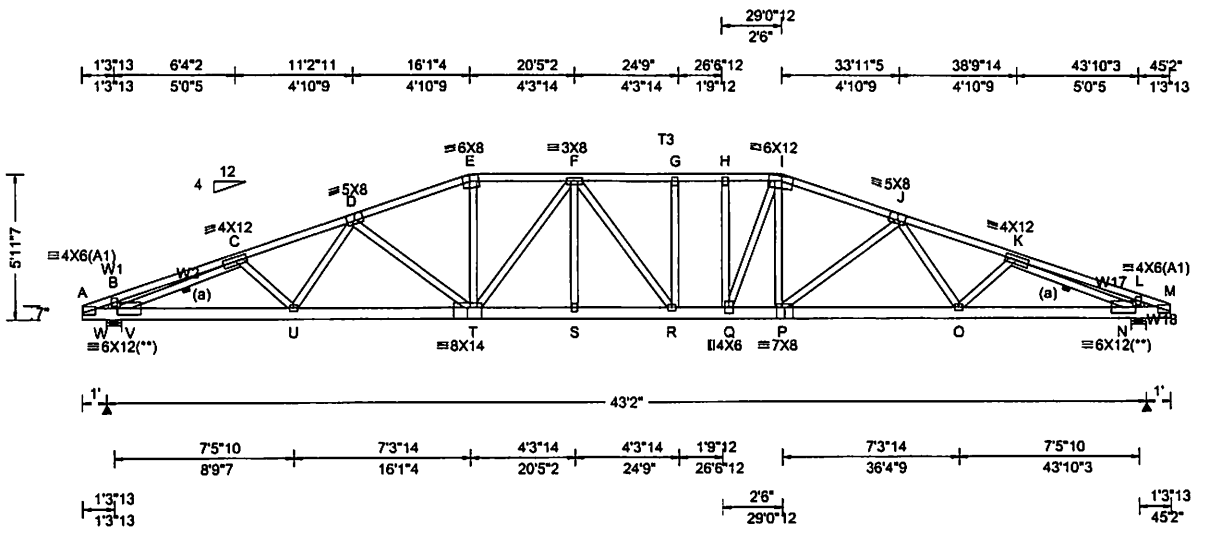
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 146113 COMN FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** A16	Cust: R 9419 JRef: 1XUR94190003 T9 DrwNo: 317,23,0703.30270 / FK 11/13/2023



Loading Criteria (psf)

TCLL:	20.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	45.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 37.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 145 mph
Enclosure: Closed
Risk Category: II
EXP: D Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.52 ft
Loc. from endwall: not in 13.33 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/PT:10(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.315 G	999	360
VERT(CL):	0.722 G	698	240
HORZ(LL):	0.073 N	-	-
HORZ(TL):	0.168 N	-	-

Creep Factor: 2.0
Max TC CSI: 0.825
Max BC CSI: 0.537
Max Web CSI: 0.654

VIEW Ver: 22.02.00.0914.22

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
W	3192	/-	/-	/2045	/509	/255
N	3192	/-	/-	/2045	/509	/-

Wind reactions based on MWFRS
W Brg Wid = 7.6 Min Req = 2.6 (Truss)
N Brg Wid = 7.6 Min Req = 2.6 (Truss)
Bearings W & N are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	569	-1041	G - H	3692	-5458
B - C	557	-979	H - I	3684	-5449
C - D	3607	-5948	I - J	3523	-5468
D - E	3518	-5458	J - K	3607	-5947
E - F	3442	-5123	K - L	558	-982
F - G	3684	-5452	L - M	570	-1043

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - V	1021	-565	R - Q	5458	-3128
V - U	5422	-3173	Q - P	5099	-2846
U - T	5583	-3249	P - O	5585	-3224
T - S	5563	-3193	O - N	5420	-3147
S - R	5563	-3193	N - M	1023	-566

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - V	505	-543	H - Q	359	-377
V - C	3132	-5144	Q - I	1268	-821
D - T	491	-664	I - P	647	-148
E - T	1202	-649	P - J	490	-702
T - F	640	-737	K - N	3129	-5140
F - R	302	-534	N - L	506	-544

Lumber

Top chord: 2x4 SPF 1650f-1.5E;
T3 2x4 SP 2400f-2.0E;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SPF #1/#2; W1,W18 2x6 SPF #1/#2; W2, W17 2x4 SPF 1650f-1.5E;

Bracing

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

Plating Notes

All plates are 3X4 except as noted.

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

Purlins

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

Wind

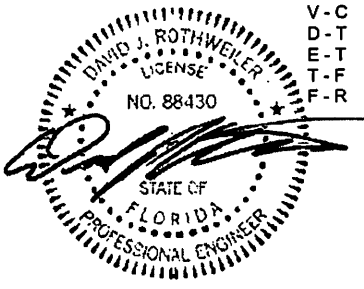
Wind loads based on MWFRS with additional C&C member design.

Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

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11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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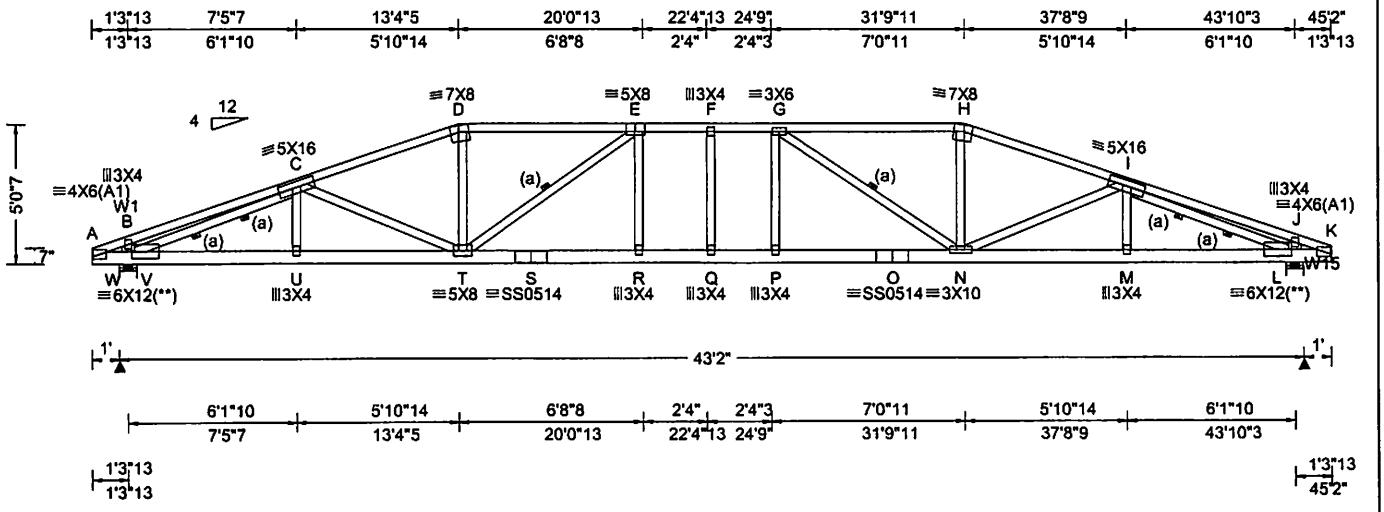
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 146126 COMN FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** A17	Cust: R 9419 JRef:1XUR94190003 T20 DrwNo: 317.23.0703.32370 / FK 11/13/2023



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: 15.00	Speed: 145 mph	Pf: NA Ce: NA	VERT(LL): 0.331 P 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.789 P 639 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.080 L - -
Des Ld: 45.00	EXP: D Kzt: NA		HORZ(TL): 0.185 L - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.847
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.574
Spacing: 37.0 "	MWFRS Parallel Dist: h/2 to h	Rep Fac: No	Max Web CSI: 0.845
	C&C Dist a: 4.52 ft	FT/RT/PT:10(0)/3(0)/1(0)	
	Loc. from endwall: not in 13.33 ft	Plate Type(s):	VIEW Ver: 22.02.00.0914.22
	GCpi: 0.18	WAVE, 18SS	
	Wind Duration: 1.33		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
W	3192	/-	/-	/2033	/1134	/211
L	3192	/-	/-	/2033	/1134	/-

Wind reactions based on MWFRS
W Brg Wid = 7.6 Min Req = 2.6 (Truss)
L Brg Wid = 7.6 Min Req = 2.6 (Truss)
Bearings W & 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	876	-1518	F - G	4291	-6636
B - C	864	-1446	G - H	3630	-5534
C - D	3703	-5882	H - I	3713	-5896
D - E	3620	-5519	I - J	866	-1450
E - F	4291	-6636	J - K	878	-1523

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - V	1494	-867	Q - P	6636	-3818
V - U	5571	-3217	P - O	6632	-3826
U - T	5570	-3213	O - N	6632	-3826
T - S	6630	-3817	N - M	5564	-3184
S - R	6630	-3817	M - L	5565	-3188
R - Q	6636	-3818	L - K	1499	-869

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - V	629	-683	P - G	515	-255
V - C	2823	-4785	G - N	913	-1661
D - T	1131	-519	N - H	1110	-502
T - E	933	-1699	I - L	2815	-4774
E - R	569	-193	L - J	632	-686

Lumber

Top chord: 2x4 SP 2400f-2.0E;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SPF #1/#2; W1,W15 2x6 SPF #1/#2;

Bracing

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

Plating Notes

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

Purlins

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

Wind

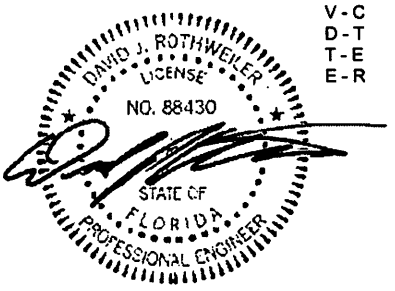
Wind loads based on MWFRS with additional C&C member design.

Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

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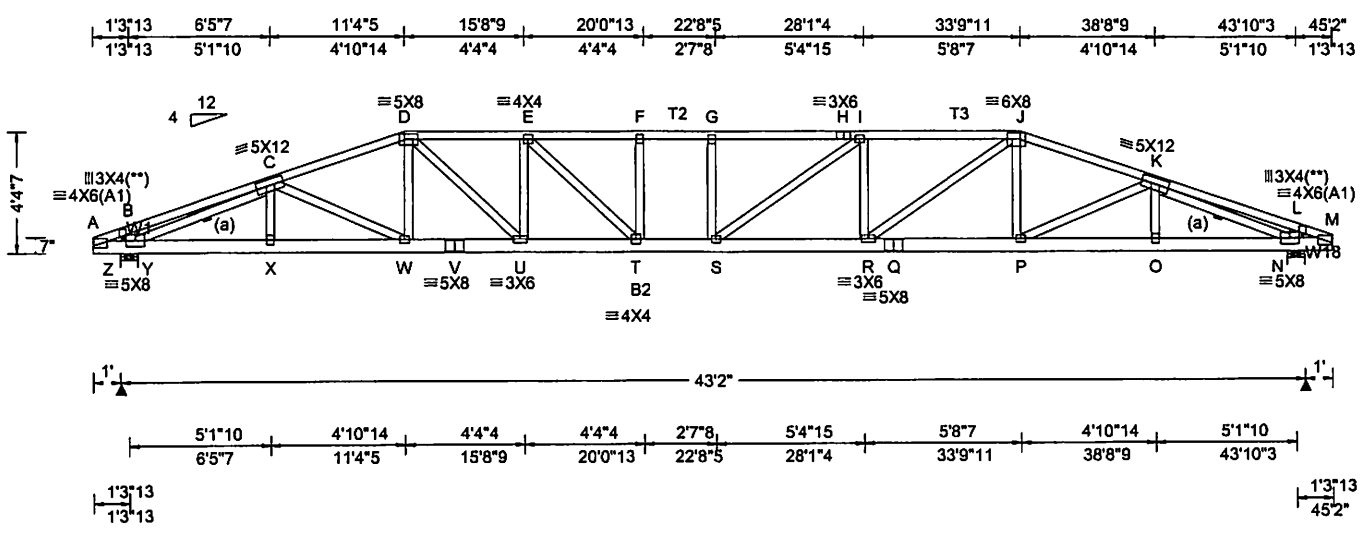
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 146132 COMN FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** A18	Cust: R 9419 JRef: 1XUR94190003 T31 DrwNo: 317.23.0703.34577 / FK 11/13/2023



Loading Criteria (psf)

TCLL:	20.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	45.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 145 mph
Enclosure: Closed
Risk Category: II
EXP: D Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 4.52 ft
Loc. from endwall: not in 6.50 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/PT:10(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.340	G	999	360
VERT(CL): 0.780	G	647	240
HORZ(LL): 0.067	D	-	-
HORZ(TL): 0.153	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.584
Max BC CSI: 0.780
Max Web CSI: 0.664

VIEW Ver: 22.02.00.0914.22

▲ Maximum Reactions (lbs)

		Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh		/ Rw	/ U	/ RL
Z	2070	/-	/-		/1309	/736	/116
N	2070	/-	/-		/1309	/736	/-

Wind reactions based on MWFRS
Z Brg Wid = 7.6 Min Req = 3.2 (Truss)
N Brg Wid = 7.6 Min Req = 3.2 (Truss)
Bearings Z & 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	394	-683	G - H	3135	-5005
B - C	388	-643	H - I	3135	-5005
C - D	2437	-3913	I - J	3030	-4727
D - E	2890	-4485	J - K	2442	-3918
E - F	3135	-5005	K - L	390	-645
F - G	3143	-5014	L - M	395	-686

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - Y	670	-385	S - R	4771	-2806
Y - X	3499	-2008	R - Q	3665	-2105
X - W	3498	-2005	Q - P	3665	-2105
W - V	3658	-2081	P - O	3495	-1998
V - U	3658	-2081	O - N	3496	-2001
U - T	4541	-2654	N - M	673	-387
T - S	5014	-2866			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
Y - C	1970	-3303	S - I	593	-256
D - U	1142	-762	I - R	529	-619
U - E	591	-779	R - J	1310	-847
E - T	890	-441	K - N	1965	-3299

Lumber

Top chord: 2x4 SPF #1/#2; T2,
T3 2x4 SPF 1650f-1.5E;
Bot chord: 2x6 SPF #1/#2; B2 2x6 SP 2400f-2.0E;
Webs: 2x4 SPF #1/#2; W1,W18 2x6 SPF #1/#2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

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

Purlins

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

Wind

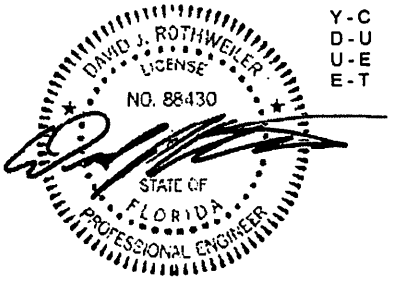
Wind loads based on MWFRS with additional C&C member design.

Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

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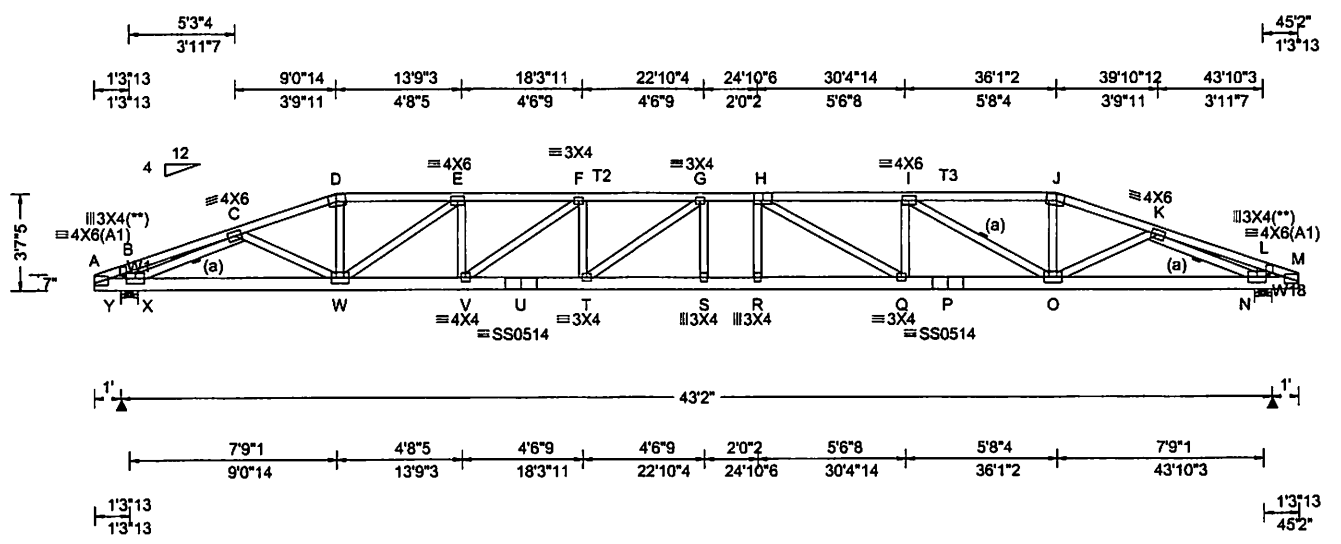
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North Building, 4th Floor
Glenview, IL 60025

SEQN: 119004 COMN FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** A19	Cust: R 9419 JRef: 1XUR94190003 T8 DrwNo: 317.23.0703.37070 / FK 11/13/2023



Loading Criteria (psf)
TCLL: 20.00
TCDL: 15.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 145 mph
Enclosure: Closed
Risk Category: II
EXP: D Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 4.52 ft
Loc. from endwall: not in 6.50 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/PT:10(0)/3(0)/1(0)
Plate Type(s):
WAVE, 18SS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.352	G	999	360
VERT(CL): 0.808	G	624	240
HORZ(LL): 0.067	D	-	-
HORZ(TL): 0.153	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.447
Max BC CSI: 0.361
Max Web CSI: 0.900

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Y	2070	/-	/-	/1294	/738	/93
N	2070	/-	/-	/1294	/738	/-

Wind reactions based on MWFRS
Y Brg Wid = 7.6 Min Req = 1.7 (Truss)
N Brg Wid = 7.6 Min Req = 1.7 (Truss)
Bearings Y & 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	236	-532	G - H	3734	-6207
B - C	230	-497	H - I	3407	-5434
C - D	2404	-3921	I - J	2350	-3735
D - E	2340	-3722	J - K	2413	-3934
E - F	3262	-5185	K - L	227	-490
F - G	3673	-6008	L - M	233	-526

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - X	519	-232	S - R	6207	-3525
X - W	3297	-1933	R - Q	6199	-3527
W - V	5122	-3010	Q - P	5383	-3184
V - U	5985	-3448	P - O	5383	-3184
U - T	5985	-3448	O - N	3297	-1947
T - S	6209	-3526	N - M	514	-230

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
X - C	2110	-3284	T - G	239	-567
C - W	437	-293	H - Q	572	-1089
D - W	919	-473	Q - I	628	-236
W - E	1128	-1742	I - O	1232	-1926
E - V	712	-337	O - J	890	-436
V - F	591	-1007	O - K	452	-309
F - T	392	-88	K - N	2109	-3293

Lumber

Top chord: 2x4 SPF 1650f-1.5E; T2, T3 2x4 SP 2400f-2.0E;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SPF #1/#2; W1,W18 2x6 SPF #1/#2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 5X8 except as noted.

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

Purlins

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

Wind

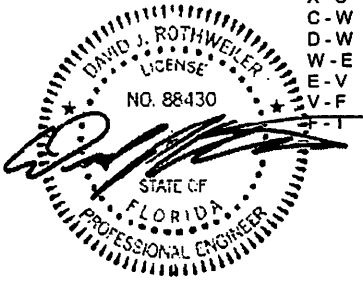
Wind loads based on MWFRS with additional C&C member design.

Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

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



11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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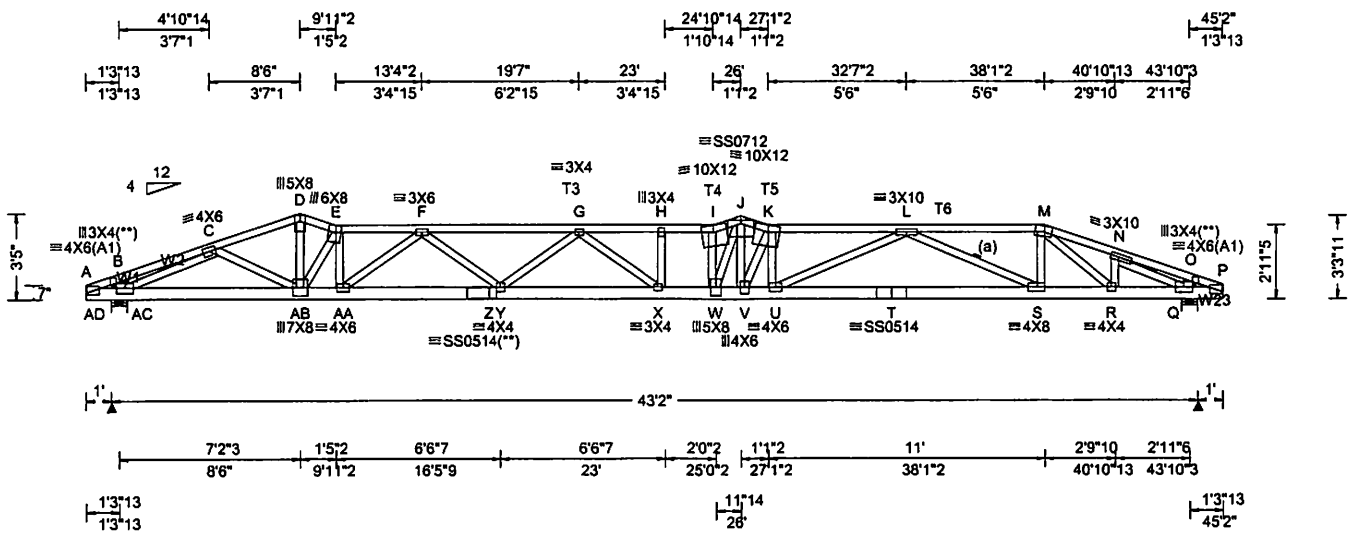
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 119006 COMN FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** A20	Cust: R 9419 JRef: 1XUR94190003 T36 DrwNo: 317.23.0703.40893 / FK 11/13/2023



Loading Criteria (psf)

TCLL:	20.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	45.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 145 mph
Enclosure: Closed
Risk Category: II
EXP: D Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 4.52 ft
Loc. from endwall: not in 6.50 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/PT:10(0)/3(0)/1(0)
Plate Type(s):
WAVE, 18SS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.569	H	888	360
VERT(CL): 1.304	H	387	240
HORZ(LL): 0.107	D	-	-
HORZ(TL): 0.245	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.728
Max BC CSI: 0.481
Max Web CSI: 0.678

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
AD	2070	/-	/-	/1259	/733	/98
Q	2070	/-	/-	/1274	/735	/-

Wind reactions based on MWFRS
AD Brg Wid = 7.6 Min Req = 1.7 (Truss)
Q Brg Wid = 7.6 Min Req = 1.7 (Truss)
Bearings AD & 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.
A - B	232	-457	I - J	5424	-8013
B - C	226	-424	J - K	4873	-7203
C - D	2547	-3888	K - L	4951	-7422
D - E	2553	-3839	L - M	2594	-3828
E - F	3380	-5088	M - N	2133	-3069
F - G	4724	-7121	N - O	304	-430
G - H	5231	-7741	O - P	310	-460
H - I	5239	-7747			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A -AC	443	-224	W - V	6765	-4399
AC-AB	3190	-2077	V - U	7495	-4855
AB-AA	4963	-3116	U - T	6072	-4082
AA- Z	6348	-4138	T - S	6072	-4082
Z - Y	6348	-4138	S - R	3669	-2321
Y - X	7681	-5077	R - Q	2780	-1833
X - W	7747	-5074	Q - P	435	-287

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AC- C	2203	-3264	W - J	2749	-1883
C -AB	527	-335	J - V	1852	-1331
D -AB	2157	-1393	V - K	1209	-1838
AB- E	1840	-2693	K - U	609	-653
E -AA	1114	-753	U - L	1509	-786
AA- F	1222	-1634	L - S	1871	-2507
F - Y	1004	-609	S - M	1409	-812
Y - G	670	-728	M - R	680	-1100
G - X	447	-247	R - N	519	-339
I - W	1724	-2496	N - Q	1897	-2856

Lumber

Top chord: 2x4 SPF #1/#2; T3,
T6 2x4 SP 2400f-2.0E; T4,T5 2x4 SPF 1650f-1.5E;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SPF #1/#2; W1,W23 2x6 SPF #1/#2;
W2 2x4 SPF 1650f-1.5E;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 5X8 except as noted.

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

Purlins

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

Wind

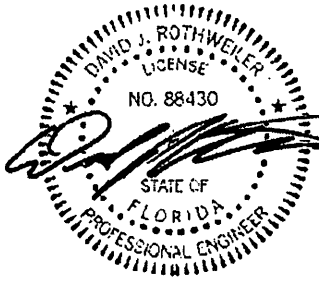
Wind loads based on MWFRS with additional C&C member design.

Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

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11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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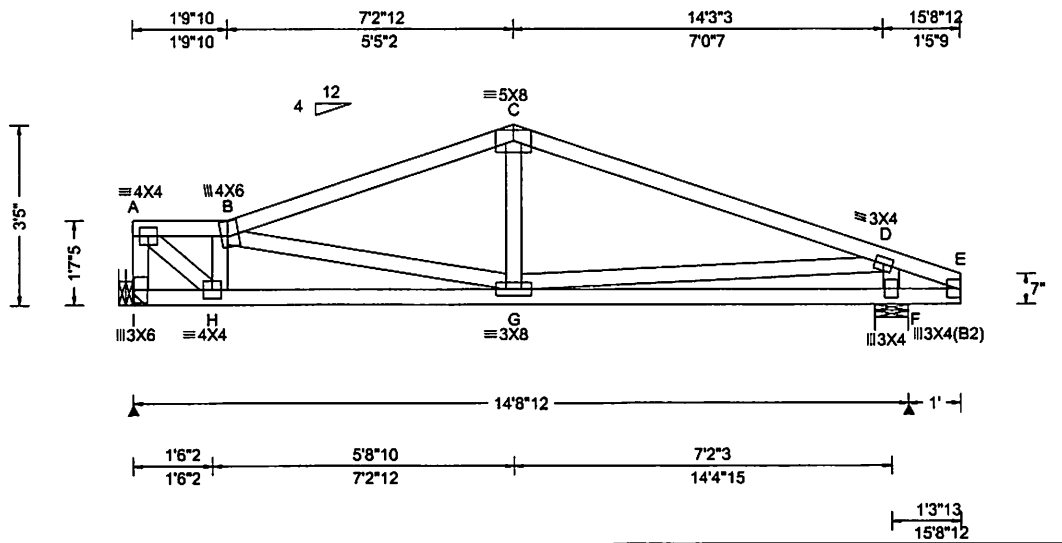
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 118144 / SPEC FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** A21	Cust: R 9419 JRef: 1XUR94190003 T15 / DrwNo: 317.23.0701.21612 / FK 11/13/2023



Loading Criteria (psf)

TCLL:	20.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	45.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 145 mph
Enclosure: Closed
Risk Category: II
EXP: D Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.33

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/PT:10(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.018	G	999	360
VERT(CL): 0.040	G	999	240
HORZ(LL): 0.006	A	-	-
HORZ(TL): 0.014	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.485
Max BC CSI: 0.395
Max Web CSI: 0.261

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
I	657	/-	/-	/378	/238	/83
F	786	/-	/-	/487	/266	/-

Wind reactions based on MWFRS
I Brg Wid = - Min Req = -
F Brg Wid = 7.6 Min Req = 1.5 (Truss)
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.
A - B	540	-726	C - D	670	-983
B - C	698	-953			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
H - G	850	-589	G - F	459	-339

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - I	532	-651	G - D	429	-287
A - H	959	-711	D - F	644	-699
H - B	536	-573			

Lumber

Top chord: 2x4 SPF #1/#2;
Bot chord: 2x4 SPF #1/#2;
Webs: 2x4 SPF #1/#2;

Hangers / Ties

(J) Hanger Support Required, by others

Purlins

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

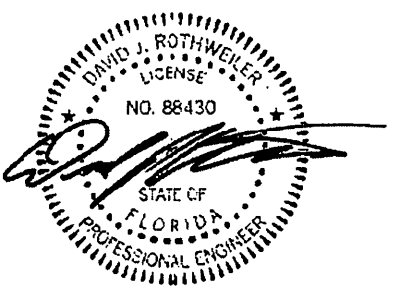
Wind

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

Left end vertical not exposed to wind pressure.

Right cantilever is exposed to wind

Wind loading based on both gable and hip roof types.



11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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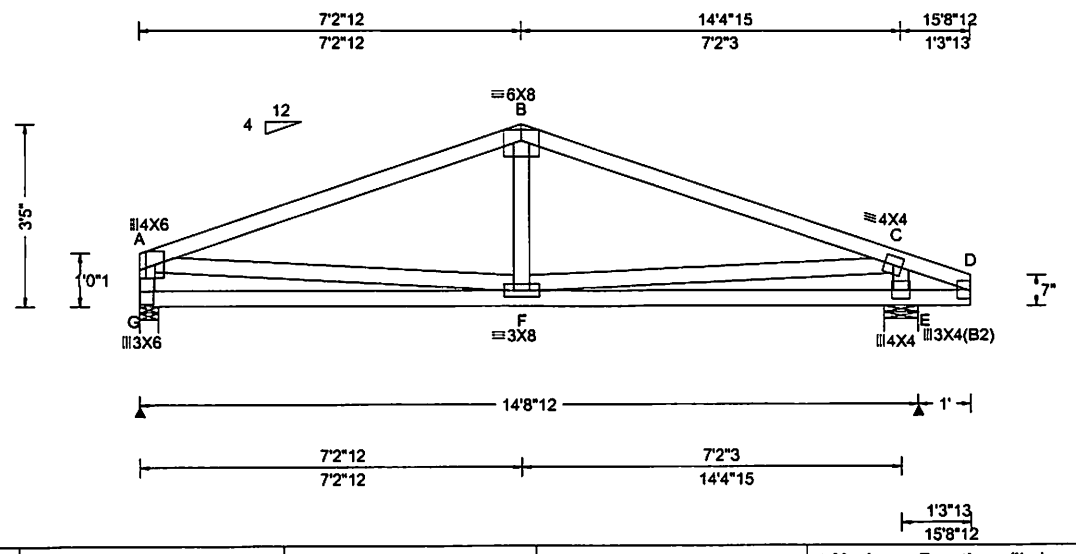
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 118148 / SPEC	Ply: 1	Job Number: KTQ23455-BLDG-RANCH-R-Rev-2	Cust: R 9419 JRef: 1XUR94190003 T41 /
FROM:	Qty: 1	Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D	DrwNo: 317.23.0701.21721
		Truss Label: A22	/ FK 11/13/2023



Loading Criteria (psf)

TCLL:	20.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	45.00
NCBCLL:	10.00
Soffit:	2.00
Load Duration:	1.25
Spacing:	24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 145 mph
Enclosure: Closed
Risk Category: II
EXP: D Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.33

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/PT:10(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.020 F	999	360
VERT(CL):	0.046 F	999	240
HORZ(LL):	0.003 E	-	-
HORZ(TL):	0.006 E	-	-

Creep Factor: 2.0
Max TC CSI: 0.884
Max BC CSI: 0.395
Max Web CSI: 0.581

VIEW Ver: 22.02.00.0914.21

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	657	/-	/-	/380	/234	/75
E	786	/-	/-	/484	/268	/-

Wind reactions based on MWFRS
G Brg Wid = 4.4 Min Req = 1.5 (Truss)
E Brg Wid = 7.6 Min Req = 1.5 (Truss)
Bearings G & E are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	965	-1011	B - C	972	-1016

Maximum Bot Chord Forces Per Ply (lbs)

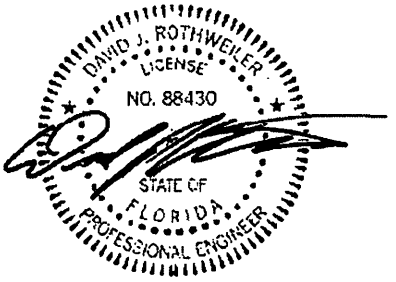
Chords	Tens.	Comp.
F - E	409	-429

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - G	655	-595	F - C	517	-386
A - F	762	-657	C - E	867	-698

Lumber
Top chord: 2x4 SPF #1/#2;
Bot chord: 2x4 SPF #1/#2;
Webs: 2x4 SPF #1/#2;

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



11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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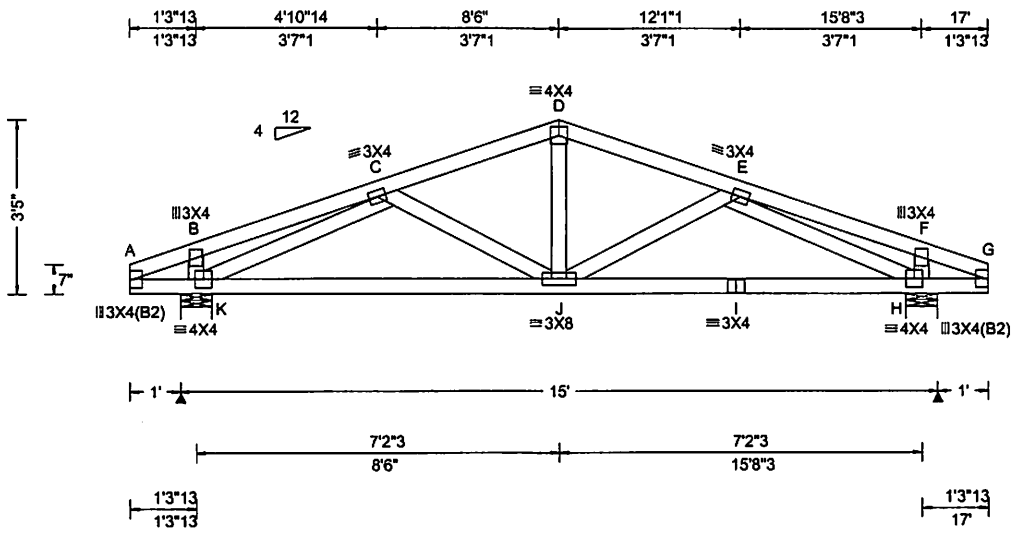
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 85823 / COMN FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** A23	Cust: R 9419 JRef: 1XUR94190003 T17 / DrwNo: 317.23.0701.20984 / FK 11/13/2023



Loading Criteria (psf)

TCLL:	20.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	45.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 145 mph
Enclosure: Closed
Risk Category: II
EXP: D Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.33

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/PT:10(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.018	J	999	360
VERT(CL): 0.041	J	999	240
HORZ(LL): 0.008	H	-	-
HORZ(TL): 0.019	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.166
Max BC CSI: 0.415
Max Web CSI: 0.292

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
K	782	/-	/-	/483	/267	/69
H	782	/-	/-	/483	/267	/-

Wind reactions based on MWFRS
K Brg Wid = 7.6 Min Req = 1.5 (Truss)
H Brg Wid = 7.6 Min Req = 1.5 (Truss)
Bearings K & 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.
C - D	798	-830	D - E	798	-830

Maximum Bot Chord Forces Per Ply (lbs)

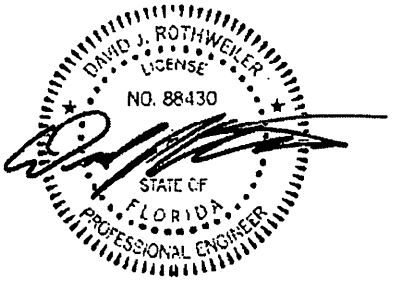
Chords	Tens.	Comp.	Chords	Tens.	Comp.
K - J	847	-771	I - H	848	-758
J - I	848	-758			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
K - C	942	-915	E - H	942	-914

Lumber
Top chord: 2x4 SPF #1/#2;
Bot chord: 2x4 SPF #1/#2;
Webs: 2x4 SPF #1/#2;

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

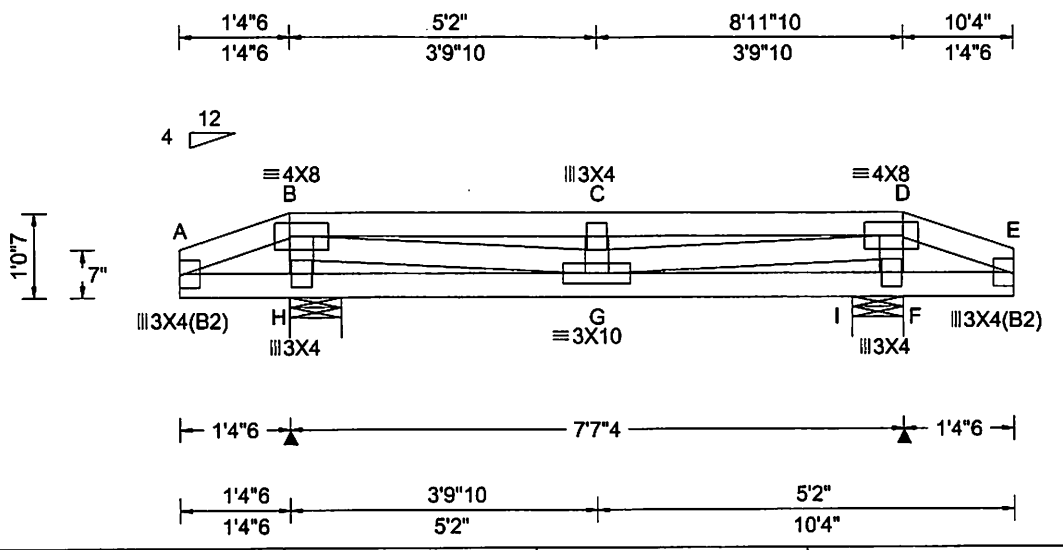


11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

SEQN: 85881 / SPEC FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** A24	Cust: R 9419 JRef:1XUR94190003 T26 / DrwNo: 317.23.0701.20983 / FK 11/13/2023



Loading Criteria (psf)

TCLL:	20.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	45.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 145 mph
Enclosure: Closed
Risk Category: II
EXP: D Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.33

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/PT:10(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.023 C	999	360
VERT(CL):	0.052 C	999	240
HORZ(LL):	-0.002 D	-	-
HORZ(TL):	0.006 D	-	-

Creep Factor: 2.0
Max TC CSI: 0.322
Max BC CSI: 0.184
Max Web CSI: 0.341

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
H	480	/-	/-	/324	/188	/11
I	480	/-	/-	/324	/188	/-

Wind reactions based on MWFRS
H Brg Wid = 7.6 Min Req = 1.5 (Truss)
I Brg Wid = 7.6 Min Req = 1.5 (Truss)
Bearings H & 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	1224	-759	C - D	1224	-759

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - H	633	-359	G - D	890	-1392
B - G	890	-1392	F - D	634	-359
C - G	659	-313			

Lumber

Top chord: 2x4 SPF #1/#2;
Bot chord: 2x4 SPF #1/#2;
Webs: 2x4 SPF #1/#2;

Purlins

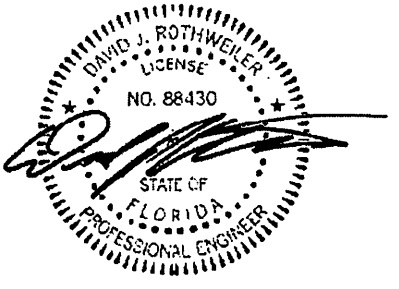
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.



11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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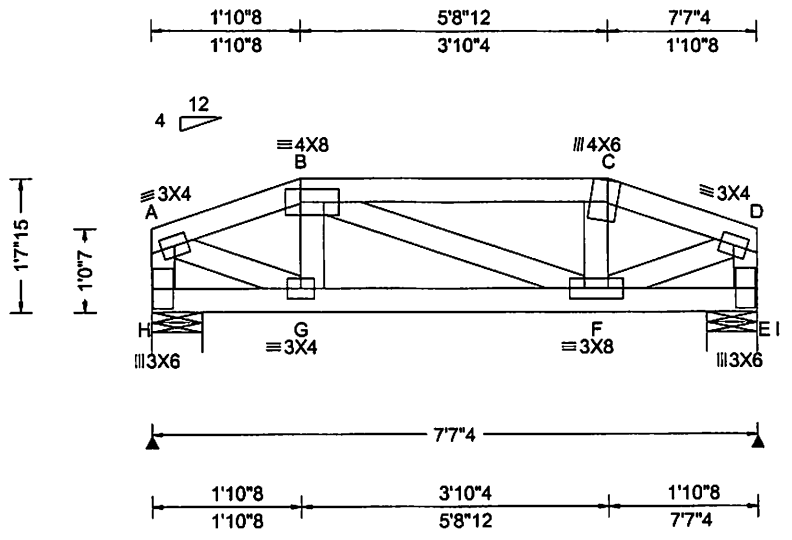
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 118380 / SPEC FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** A25	Cust: R 9419 JRef:1XUR94190003 T19 / DrwNo: 317.23.0701.20622 / FK 11/13/2023



Loading Criteria (psf)
TCLL: 20.00
TCDL: 15.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 145 mph
Enclosure: Closed
Risk Category: II
EXP: D Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.33

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/PT:10(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.004	F	999	360
VERT(CL): 0.009	F	999	240
HORZ(LL): 0.001	B	-	-
HORZ(TL): 0.003	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.334
Max BC CSI: 0.138
Max Web CSI: 0.131

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
H	348	/-	/-	/202	/124	/15
I	348	/-	/-	/202	/124	/-

Wind reactions based on MWFRS
H Brg Wid = 7.6 Min Req = 1.5 (Truss)
I Brg Wid = 7.6 Min Req = 1.5 (Truss)
Bearings H & 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	734	-442	C - D	761	-456
B - C	764	-410			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
G - F	407	-675

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - H	585	-335	F - D	442	-718
A - G	433	-698	D - E	585	-333

Lumber

Top chord: 2x4 SPF #1/#2;
Bot chord: 2x4 SPF #1/#2;
Webs: 2x4 SPF #1/#2;

Purlins

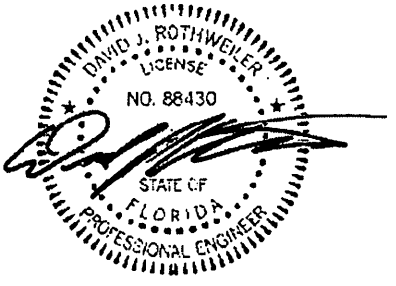
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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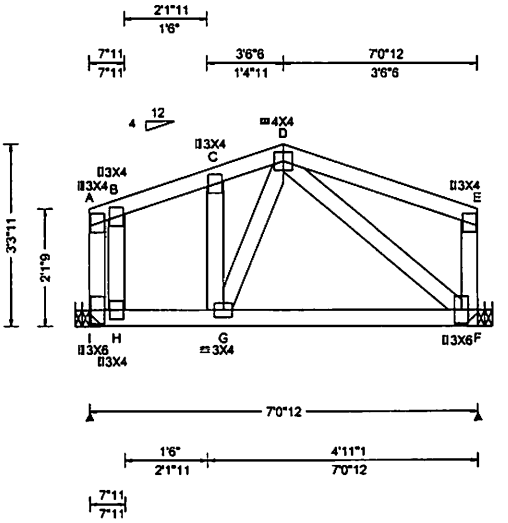
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 118390 / SPEC FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** A26	Cust: R 9419 JRef: 1XUR94190003 T28 / DrwNo: 317.23.0701.20670 / FK 11/13/2023



Loading Criteria (psf)
TCLL: 20.00
TCDL: 15.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 145 mph
Enclosure: Closed
Risk Category: II
EXP: D Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.33

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/PT:10(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.054	C	999	360
VERT(CL): 0.122	C	692	240
HORZ(LL): -0.047	A	-	-
HORZ(TL): 0.107	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.436
Max BC CSI: 0.290
Max Web CSI: 0.178

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

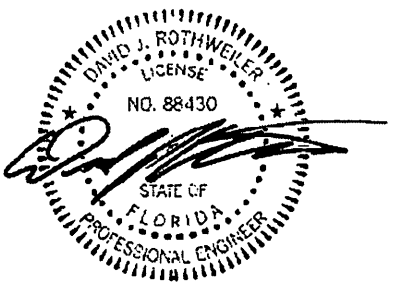
	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
I	324	/-	/-	/188	/114	/29
F	324	/-	/-	/188	/114	/-

Wind reactions based on MWFRS
I Brg Wid = - Min Req = -
F Brg Wid = - Min Req = -
Members not listed have forces less than 375#

Lumber
Top chord: 2x4 SPF #1/#2;
Bot chord: 2x4 SPF #1/#2;
Webs: 2x4 SPF #1/#2;

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

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.

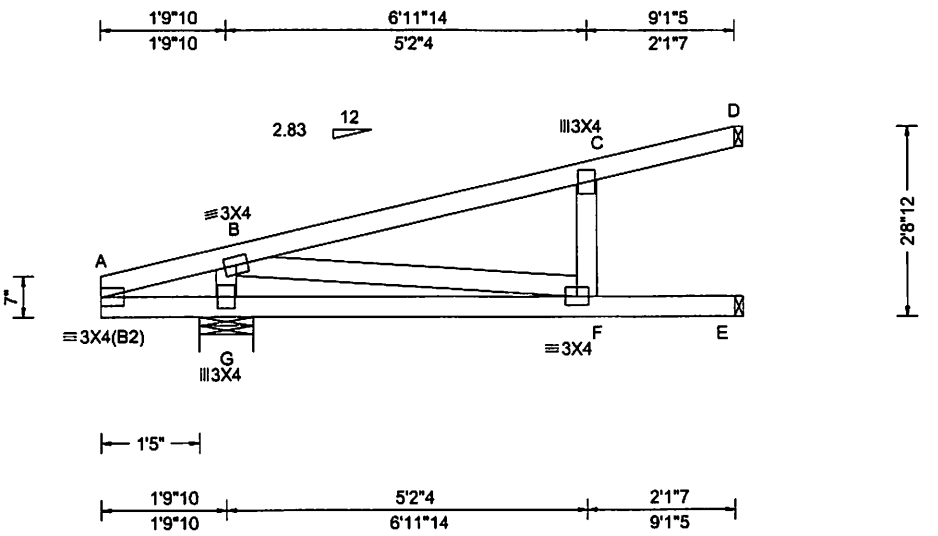


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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 118191 / HIP_ FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** CJ01	Cust: R 9419 JRef: 1XUR94190003 T11 / DrwNo: 317.23.0701.21265 / FK 11/13/2023



Loading Criteria (psf)

TCLL:	20.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	45.00
NCBCLL:	10.00
Soffit:	2.00
Load Duration:	1.25
Spacing:	24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 145 mph
Enclosure: Closed
Risk Category: II
EXP: D Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.33

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/PT:10(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): -0.142	C	616	360
VERT(CL): 0.232	C	377	240
HORZ(LL): -0.057	C	-	-
HORZ(TL): 0.090	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.593
Max BC CSI: 0.772
Max Web CSI: 0.137

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

		Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	402	/-	/-	/-	/160	/-
E	173	/-	/-	/-	/98	/-
D	122	/-	/-	/-	/79	/-

Wind reactions based on MWFRS
G Brg Wid = 9.3 Min Req = 1.5 (Truss)
E Brg Wid = 1.5 Min Req = -
D Brg Wid = 1.5 Min Req = -
Bearing G is a rigid surface.
Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SPF #1/#2;
Bot chord: 2x4 SPF #1/#2;
Webs: 2x4 SPF #1/#2;

Special Loads

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

TC: From	2 plf at	0.00 to	2 plf at	9.11
BC: From	20 plf at	0.00 to	20 plf at	4.16
BC: From	2 plf at	4.16 to	2 plf at	9.11

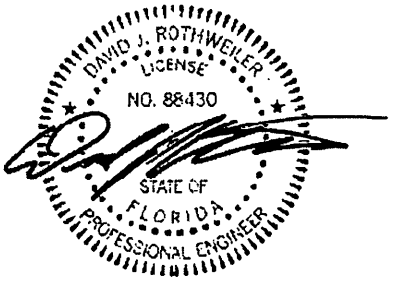
TC: 181 lb Conc. Load at 4.16
TC: 216 lb Conc. Load at 6.99
BC: -42 lb Conc. Load at 4.16
BC: 113 lb Conc. Load at 6.99

Wind

Wind loads and reactions based on MWFRS.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.



11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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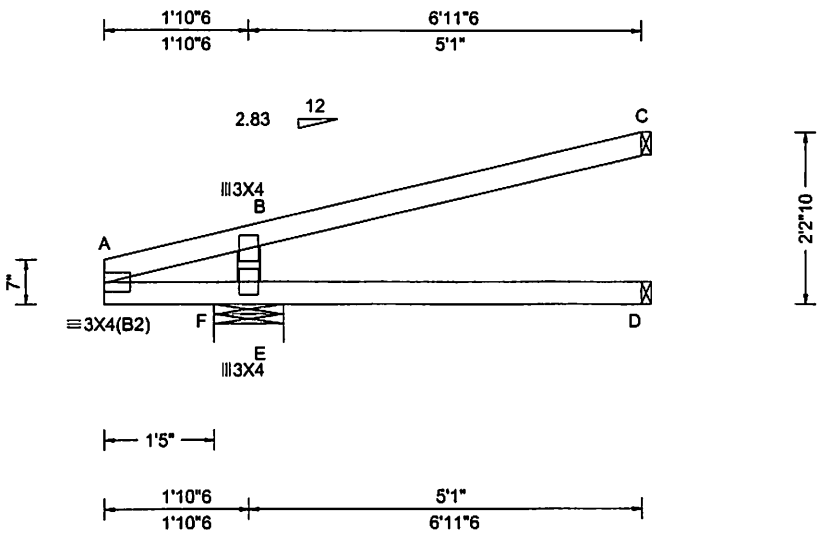
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 118179 / HIP_ FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** CJ02	Cust: R 9419 JRef:1XUR94190003 T22 / DrwNo: 317.23.0701.20591 / FK 11/13/2023



Loading Criteria (psf)

TCLL:	20.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	45.00
NCBCLL:	10.00
Soffit:	2.00
Load Duration:	1.25
Spacing:	24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 145 mph
Enclosure: Closed
Risk Category: II
EXP: D Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.33

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/PT:10(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.078	A	307	360
VERT(CL): 0.082	A	292	240
HORZ(LL): -0.030	B	-	-
HORZ(TL): 0.030	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.418
Max BC CSI: 0.253
Max Web CSI: 0.020

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	346	/-	/-	/-	/119	/-
D	82	/-	/-	/-	/41	/-
C	68	/-	/-	/-	/54	/-

Wind reactions based on MWFRS
F Brg Wid = 10.8 Min Req = 1.5 (Truss)
D Brg Wid = 1.5 Min Req = -
C Brg Wid = 1.5 Min Req = -
Bearing F is a rigid surface.
Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SPF #1/#2;
Bot chord: 2x4 SPF #1/#2;
Webs: 2x4 SPF #1/#2;

Special Loads

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

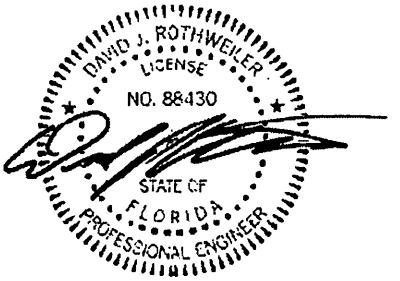
TC: From	2 plf at	0.00 to	2 plf at	6.95	
BC: From	2 plf at	0.00 to	2 plf at	6.95	
TC: 181 lb Conc. Load at 4.16					
BC: -42 lb Conc. Load at 4.16					

Wind

Wind loads and reactions based on MWFRS.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.



11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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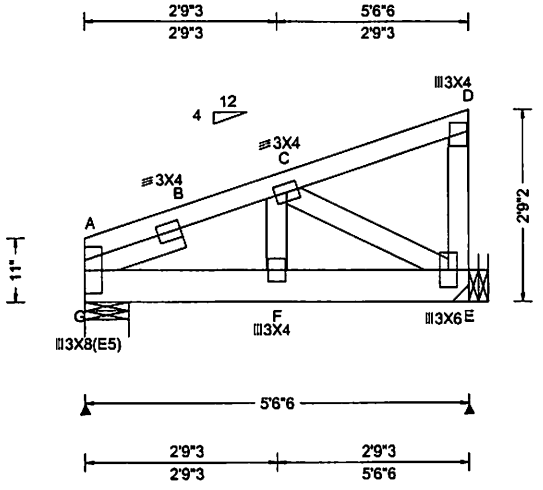
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ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 85905 / MONO FROM:	Ply: 2 Qty: 1	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** G01	Cust: R 9419 JRef: 1XUR94190003 T25 / DrwNo: 317.23.0701.20669 / FK 11/13/2023	

2 Complete Trusses Required



Loading Criteria (psf)
TCLL: 20.00
TCDL: 15.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 145 mph
Enclosure: Closed
Risk Category: II
EXP: D Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.33

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/PT:10(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.005	F	999	360
VERT(CL): 0.012	F	999	240
HORZ(LL): -0.002	D	-	-
HORZ(TL): 0.004	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.060
Max BC CSI: 0.230
Max Web CSI: 0.101

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	879	/-	/-	/-	/337	/-
E	831	/-	/-	/-	/322	/-

Wind reactions based on MWFRS
G Brg Wid = 7.6 Min Req = 1.5 (Truss)
E Brg Wid = - Min Req = -
Bearing G is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	235	-607	B - C	224	-588

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - F	550	-210	F - E	512	-197

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
F - C	416	-137	C - E	224	-584

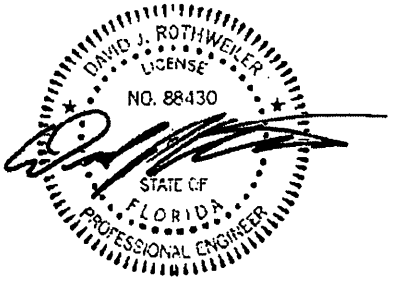
Lumber
Top chord: 2x4 SPF #1/#2;
Bot chord: 2x6 SPF #1/#2;
Webs: 2x4 SPF #1/#2;
Lt Slider: 2x4 SPF #1/#2; block length = 1.500'

Nailnote
Nail Schedule:0.131"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.=1.25 / Plate Dur.Fac.=1.25)
TC: From 72 plf at 0.00 to 72 plf at 5.53
BC: From 10 plf at 0.00 to 10 plf at 5.53
BC: 633 lb Conc. Load at 1.67
BC: 625 lb Conc. Load at 3.67

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

Wind
Wind loads and reactions based on MWFRS.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.



11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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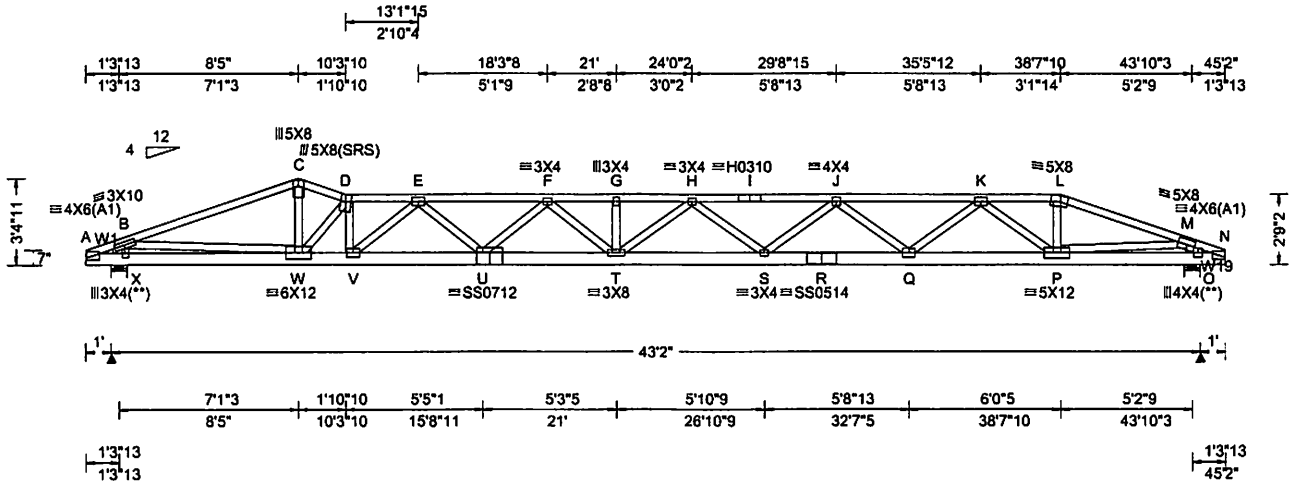
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 118210 / COMN FROM:	Ply: 2 Qty: 1	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** G02	Cust: R 9419 JRef: 1XUR94190003 T7 / DrwNo: 317.23.0701.20922 / FK 11/13/2023

2 Complete Trusses Required



Loading Criteria (psf)

TCLL:	20.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	45.00
NCBCLL:	0.00
Soffit:	2.00
Load Duration:	1.25
Spacing:	24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 145 mph
Enclosure: Closed
Risk Category: II
EXP: D Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.52 ft
Loc. from endwall: not in 6.50 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/PT:10(0)/3(0)/1(0)
Plate Type(s):
WAVE, 18SS, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.613	G	832	360
VERT(CL): 1.390	G	367	240
HORZ(LL): 0.110	C	-	-
HORZ(TL): 0.250	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.898
Max BC CSI: 0.544
Max Web CSI: 0.634

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity	
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
X	3361 /-	/-	/-	/1313	/-
O	3900 /-	/-	/-	/1612	/-

Wind reactions based on MWFRS
X Brg Wid = 7.6 Min Req = 1.5 (Truss)
O Brg Wid = 7.6 Min Req = 1.6 (Truss)
Bearings X & 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	265	-729	H - I	3290	-8124
B - C	1438	-3629	I - J	3290	-8124
C - D	1408	-3573	J - K	2725	-6672
D - E	2142	-5409	K - L	1627	-3907
E - F	3052	-7656	L - M	1712	-4090
F - G	3408	-8450	M - N	259	-650
G - H	3408	-8450			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - X	705	-261	S - R	7610	-3149
X - W	1085	-423	R - Q	7610	-3149
W - V	5260	-2082	Q - P	5443	-2267
V - U	6618	-2646	P - O	1071	-443
U - T	8171	-3307	O - N	622	-247
T - S	8462	-3464			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
X - B	624	-1457	H - S	227	-441
B - W	2339	-922	S - J	669	-183
C - W	2058	-776	J - Q	552	-1221
W - D	1194	-2997	Q - K	1600	-595
D - V	1229	-493	K - P	817	-1962
V - E	689	-1651	P - L	1106	-422
E - U	1419	-553	P - M	2809	-1171
U - F	349	-705	M - O	752	-1734

Lumber

Top chord: 2x4 SP 2400f-2.0E;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SPF #1/#2; W1,W19 2x6 SPF #1/#2;

Nailnote

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

Special Loads

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

TC: From	72 plf at	0.00 to	72 plf at	15.33	
TC: From	36 plf at	15.33 to	36 plf at	38.64	
TC: From	72 plf at	38.64 to	72 plf at	45.17	
BC: From	20 plf at	0.00 to	20 plf at	15.33	
BC: From	10 plf at	15.33 to	10 plf at	38.63	
BC: From	20 plf at	38.63 to	20 plf at	45.17	

TC: 163 lb Conc. Load at 17.33,19.33,21.33,23.33 25.33,27.33,29.33,31.33,33.33,35.33,37.33,38.63
TC: 122 lb Conc. Load at 38.68
BC: 831 lb Conc. Load at 15.33
BC: 92 lb Conc. Load at 17.33,19.33,21.33,23.33 25.33,27.33,29.33,31.33,33.33,35.33,37.33
BC: 265 lb Conc. Load at 38.63

Plating Notes

All plates are 4X6 except as noted.
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Purlins

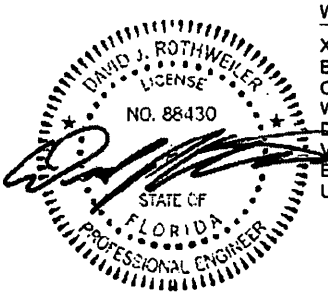
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Additional Notes

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



11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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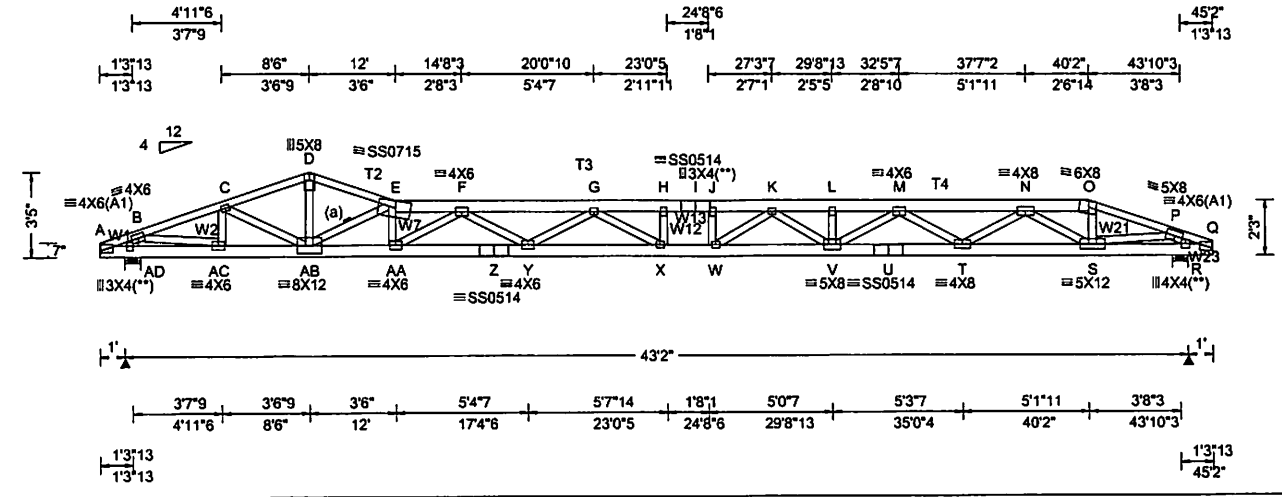
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 118981 COMN FROM: Page 1 of 2	Ply: 2 Qty: 1	Job Number: KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D Truss Label: G03	Cust: R 9419 JRef:1XUR94190003 T14 DrwNo: 317.23.0703.50383 / FK 11/13/2023	

2 Complete Trusses Required



Loading Criteria (psf)

TCLL:	20.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	45.00
NCBCLL:	0.00
Soffit:	2.00
Load Duration:	1.25
Spacing:	24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 145 mph
Enclosure: Closed
Risk Category: II
EXP: D Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.52 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/PT:10(0)/3(0)/1(0)
Plate Type(s):
WAVE, 18SS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.859 X	594	360
VERT(CL):	1.953 X	261	240
HORZ(LL):	0.159 D	-	-
HORZ(TL):	0.361 D	-	-

Creep Factor: 2.0
Max TC CSI: 0.711
Max BC CSI: 0.767
Max Web CSI: 0.649

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

Loc	R+	Gravity / R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
AD	3366	/-	/-	/-	/1316	/-
R	4079	/-	/-	/-	/1718	/-

Wind reactions based on MWFRS
AD Brg Wid = 7.6 Min Req = 1.5 (Truss)
R Brg Wid = 7.6 Min Req = 1.7 (Truss)
Bearings AD & R 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	1197	-3044	J - K	4668	-11527
C - D	1458	-3679	K - L	4305	-10522
D - E	1460	-3685	L - M	4305	-10522
E - F	3127	-7870	M - N	3223	-7796
F - G	4310	-10791	N - O	1516	-3580
G - H	4675	-11553	O - P	1638	-3871
H - I	4675	-11547	P - Q	198	-477
I - J	4675	-11547			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AD-AC	671	-261	W - V	11067	-4514
AC-AB	2940	-1157	V - U	9387	-3917
AB-AA	7869	-3126	U - T	9387	-3917
AA- Z	9542	-3836	T - S	5987	-2546
Z - Y	9542	-3836	S - R	912	-386
Y - X	11461	-4667	R - Q	445	-183
X - W	11547	-4675			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AD- B	614	-1515	W - K	735	-195
B -AC	2250	-881	K - V	258	-699
AC- C	263	-594	V - M	1361	-465
C -AB	618	-249	M - T	846	-1941
D -AB	2168	-836	T - N	2206	-824
AB- E	1976	-4954	N - S	1235	-2887
E -AA	1130	-443	O - S	1013	-382
AA- F	854	-2013	S - P	2815	-1185
F - Y	1504	-570	P - R	781	-1813
Y - G	428	-816			

Lumber

Top chord: 2x4 SPF #1/#2; T2 2x4 SP 2400f-2.0E;
T3,T4 2x6 SP 2400f-2.0E;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SPF #1/#2; W1,W23 2x6 SPF #1/#2; W2,W7, W12,W13,W21 2x4 SP 2400f-2.0E;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Nailnote

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

Special Loads

——(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 72 plf at 0.00 to 72 plf at 45.17
BC: From 20 plf at 0.00 to 20 plf at 45.17
TC: 155 lb Conc. Load at 17.49,19.49,21.49,30.48 32.10,34.10,36.10,38.10,40.16
TC: 68 lb Conc. Load at 40.21
BC: 534 lb Conc. Load at 15.86
BC: 46 lb Conc. Load at 17.49,19.49,21.49,30.48 32.10,34.10,36.10,38.10
BC: 405 lb Conc. Load at 22.33,29.67
BC: 128 lb Conc. Load at 40.16

Plating Notes

All plates are 3X4 except as noted.

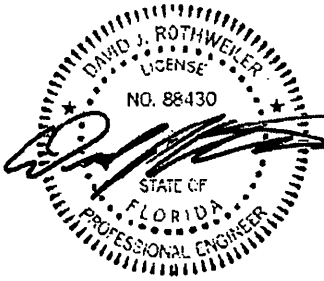
(**) 3 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Purlins

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

Wind

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



11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

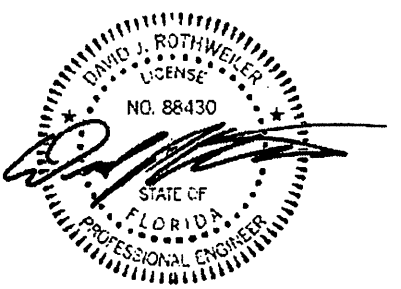
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SEQN: 118981 COMN FROM: Page 2 of 2	Ply: 2 Qty: 1	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** G03	Cust: R 9419 JRef: 1XUR94190003 T14 DrwNo: 317.23.0703.50383 / FK 11/13/2023

Additional Notes

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



11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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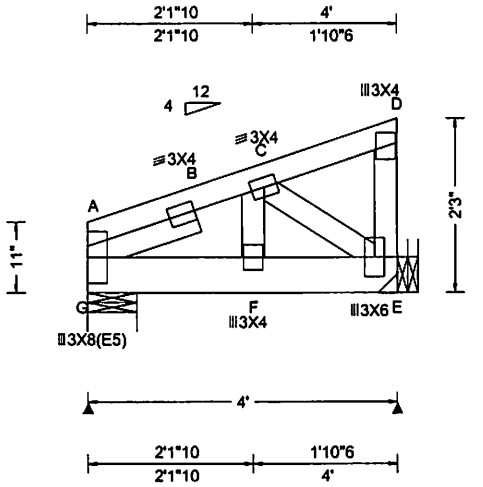
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SEQN: 118150 / MONO FROM:	Ply: 2 Qty: 1	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** G04	Cust: R 9419 JRef: 1XUR94190003 T42 / DrwNo: 317.23.0701.21799 / FK 11/13/2023

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 145 mph Enclosure: Closed Risk Category: II EXP: D Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.33	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: No FT/RT/PT:10(0)/3(0)/1(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.002 F 999 360 VERT(CL): 0.005 F 999 240 HORZ(LL): -0.001 D - - HORZ(TL): 0.002 D - - Creep Factor: 2.0 Max TC CSI: 0.031 Max BC CSI: 0.096 Max Web CSI: 0.061 VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity		Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	490	/-	/-	/-	/176	/-
E	534	/-	/-	/-	/193	/-

Wind reactions based on MWFRS
G Brg Wid = 7.6 Min Req = 1.5 (Truss)
E Brg Wid = - Min Req = -
Bearing G is a rigid surface.
Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SPF #1/#2;
Bot chord: 2x6 SPF #1/#2;
Webs: 2x4 SPF #1/#2;
Lt Slider: 2x4 SPF #1/#2; block length = 1.500'

Nailnote

Nail Schedule:0.131"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 7.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

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

TC: From	72 plf at	0.00 to	72 plf at	4.00
BC: From	20 plf at	0.00 to	20 plf at	4.00

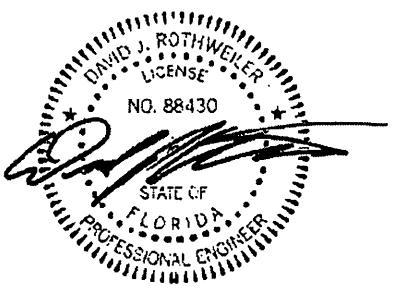
BC: 657 lb Conc. Load at 2.14

Hangers / Ties

(J) Hanger Support Required, by others

Wind

Wind loads and reactions based on MWFRS.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.



11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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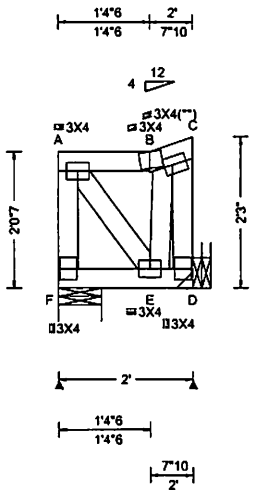
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Glenview, IL 60025

SEQN: 118382 / HIPM FROM:	Ply: 2 Qty: 1	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** G05	Cust: R 9419 JRef: 1XUR94190003 T29 / DrwNo: 317.23.0701.21578 / FK 11/13/2023

2 Complete Trusses Required



Loading Criteria (psf)
TCLL: 20.00
TCDL: 15.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 145 mph
Enclosure: Closed
Risk Category: II
EXP: D Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.33

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/PT:10(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): -0.001	B	999	360
VERT(CL): 0.003	B	999	240
HORZ(LL): 0.000	C	-	-
HORZ(TL): 0.001	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.036
Max BC CSI: 0.017
Max Web CSI: 0.006

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	102	/-	/-	/-	/36	/-
D	405	/-	/-	/-	/143	/-

Wind reactions based on MWFRS
F Brg Wid = 7.6 Min Req = 1.5 (Truss)
D Brg Wid = - Min Req = -
Bearing F is a rigid surface.
Members not listed have forces less than 375#

Lumber
Top chord: 2x4 SPF #1/#2;
Bot chord: 2x4 SPF #1/#2;
Webs: 2x4 SPF #1/#2;

Nailnote
Nail Schedule:0.131"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 7.25" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

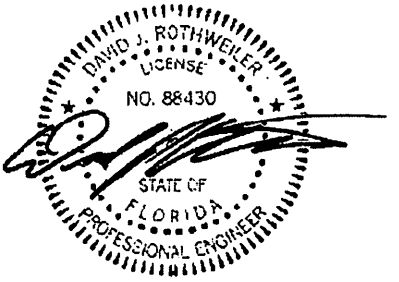
Special Loads
——(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 72 plf at 0.00 to 72 plf at 2.00
BC: From 20 plf at 0.00 to 20 plf at 2.00
BC: 324 lb Conc. Load at 1.94

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

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

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

Wind
Wind loads and reactions based on MWFRS.
End verticals not exposed to wind pressure.
Wind loading based on both gable and hip roof types.



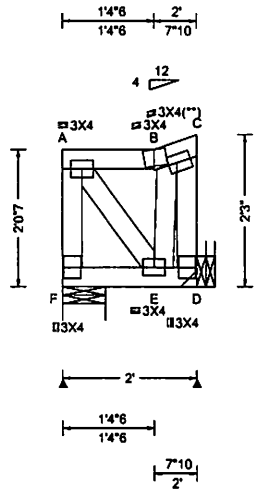
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Glenview, IL 60025

SEQN: 118384 / HIPM FROM:	Ply: 2 Qty: 1	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** G06	Cust: R 9419 JRef:1XUR94190003 T5 / DrwNo: 317.23.0701.20951 / FK 11/13/2023

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 145 mph Enclosure: Closed Risk Category: II EXP: D Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.33	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: No FT/RT/PT:10(0)/3(0)/1(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): -0.001 B 999 360 VERT(CL): 0.003 B 999 240 HORZ(LL): 0.000 C - - HORZ(TL): 0.001 C - - Creep Factor: 2.0 Max TC CSI: 0.036 Max BC CSI: 0.017 Max Web CSI: 0.006 VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	102	/-	/-	/-	/36	/-
D	405	/-	/-	/-	/143	/-

Wind reactions based on MWFRS
F Brg Wid = 7.6 Min Req = 1.5 (Truss)
D Brg Wid = - Min Req = -
Bearing F is a rigid surface.
Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SPF #1/#2;
Bot chord: 2x4 SPF #1/#2;
Webs: 2x4 SPF #1/#2;

Wind

Wind loads and reactions based on MWFRS.
End verticals not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Nailnote

Nail Schedule:0.131"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 7.25" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

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

TC: From	72 plf at	0.00 to	72 plf at	2.00	
BC: From	20 plf at	0.00 to	20 plf at	2.00	
BC: 324 lb Conc. Load at 1.94					

Plating Notes

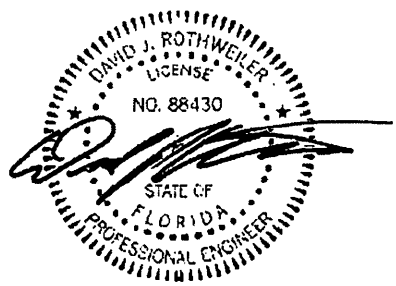
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Hangers / Ties

(J) Hanger Support Required, by others

Purlins

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11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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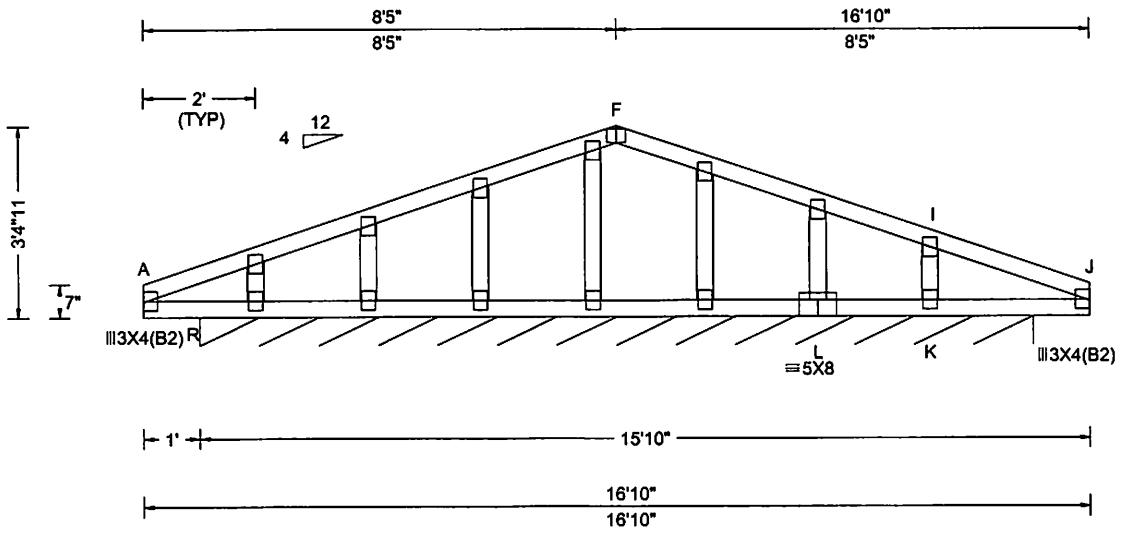
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 85827 / GABL FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** GE01	Cust: R 9419 JRef: 1XUR94190003 T35 / DrwNo: 317.23.0701.21233 / FK 11/13/2023



Loading Criteria (psf)
TCLL: 20.00
TCDL: 15.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 145 mph
Enclosure: Closed
Risk Category: II
EXP: D Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.33

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/PT:10(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.008	A	999	360
VERT(CL): 0.018	A	649	240
HORZ(LL): -0.003	C	-	-
HORZ(TL): 0.006	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.176
Max BC CSI: 0.070
Max Web CSI: 0.079

VIEW Ver: 22.02.00.0914.21

▲ Maximum Reactions (lbs), or *=PLF

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
R*	129	/-	/-	/71	/51	/6

Wind reactions based on MWFRS
R Brg Wid = 178 Min Req = -
Bearing R is a rigid surface.
Members not listed have forces less than 375#

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
K - J	427	-271

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.
K - I	377	-288

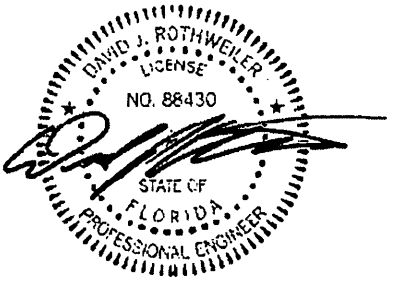
Lumber
Top chord: 2x4 SPF #1/#2;
Bot chord: 2x4 SPF #1/#2;
Webs: 2x4 SPF #1/#2;

Plating Notes
All plates are 3X4 except as noted.

Loading
Truss designed to support 1-3-0 top chord outlookers and cladding load not to exceed 3.00 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.
Left and right cantilevers are exposed to wind
Wind loading based on both gable and hip roof types.

Additional Notes
See DWGS A18015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.



11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

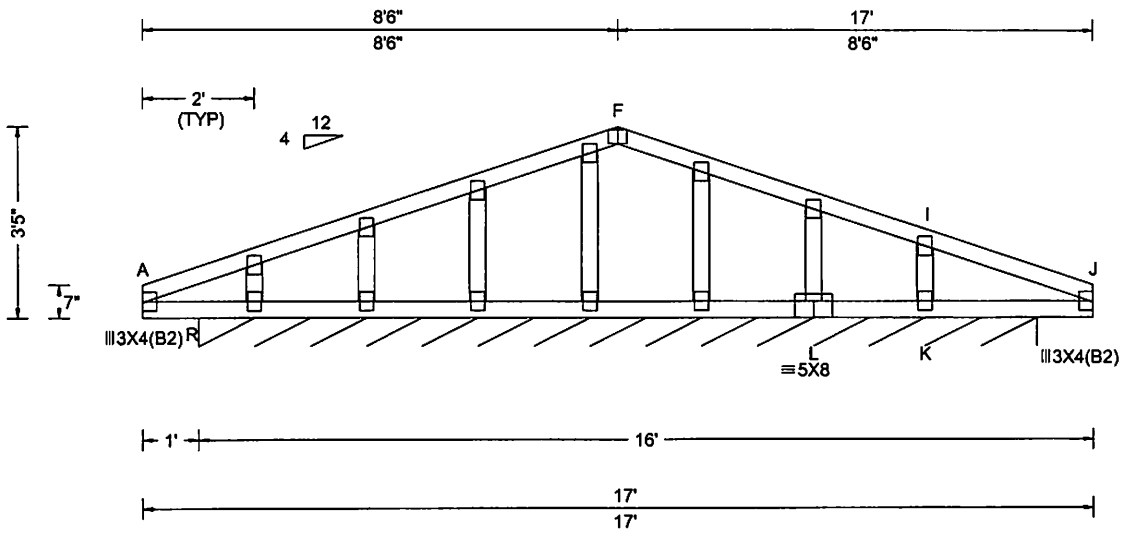
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 85828 / GABL FROM:	Ply: 1 Qty: 1	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** GE02	Cust: R 9419 JRef:1XUR94190003 T12 / DrwNo: 317.23.0701.20607 / FK 11/13/2023



Loading Criteria (psf)
TCLL: 20.00
TCDL: 15.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 145 mph
Enclosure: Closed
Risk Category: II
EXP: D Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.33

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/PT:10(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.008	A	999	360
VERT(CL): 0.019	A	636	240
HORZ(LL): -0.003	C	-	-
HORZ(TL): 0.007	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.190
Max BC CSI: 0.075
Max Web CSI: 0.082

VIEW Ver: 22.02.00.0914.21

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
R*	129	/-	/-	/71	/51	/6

Wind reactions based on MWFRS
R Brg Wid = 180 Min Req = -
Bearing R is a rigid surface.
Members not listed have forces less than 375#

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
K - J	432	-272

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.
K - I	391	-301

Lumber

Top chord: 2x4 SPF #1/#2;
Bot chord: 2x4 SPF #1/#2;
Webs: 2x4 SPF #1/#2;

Plating Notes

All plates are 3X4 except as noted.

Loading

Truss designed to support 1-3-0 top chord outlookers and cladding load not to exceed 3.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

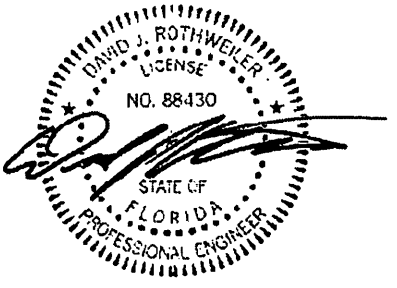
Wind loads based on MWFRS with additional C&C member design.

Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A18015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.



11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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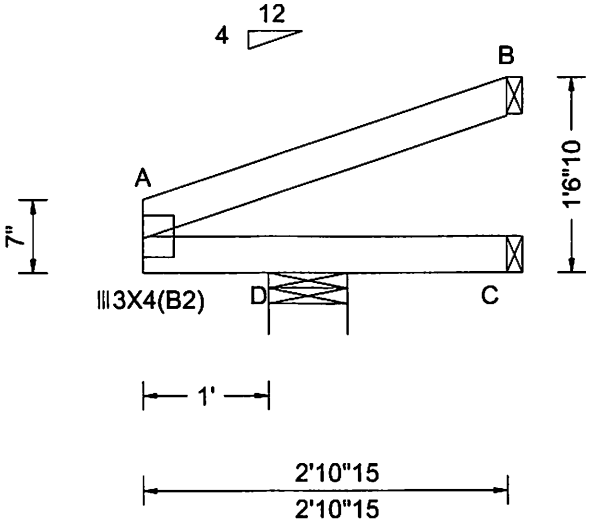
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 85829 / JACK FROM:	Ply: 1 Qty: 4	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** J01	Cust: R 9419 JRef:1XUR94190003 T13 / DrwNo: 317.23.0701.20921 / FK 11/13/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 145 mph Enclosure: Closed Risk Category: II EXP: D Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.33	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: Yes FT/RT/PT:10(0)/3(0)/1(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.019 A 822 360 VERT(CL): 0.044 A 359 240 HORZ(LL): -0.009 B - - HORZ(TL): 0.022 B - - Creep Factor: 2.0 Max TC CSI: 0.348 Max BC CSI: 0.337 Max Web CSI: 0.000 VIEW Ver: 22.02.00.0914.21

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
D	244	/-	/-	/196	/60	/51
C	-	/-67	/-	/30	/46	/-
B	91	/-	/-	/50	/67	/-

Wind reactions based on MWFRS
D Brg Wid = 7.6 Min Req = 1.5 (Truss)
C Brg Wid = 1.5 Min Req = -
B Brg Wid = 1.5 Min Req = -
Bearing D is a rigid surface.
Members not listed have forces less than 375#

Lumber

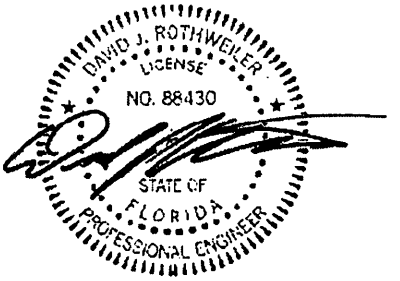
Top chord: 2x4 SPF #1/#2;
Bot chord: 2x4 SPF #1/#2;

Wind

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

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.



11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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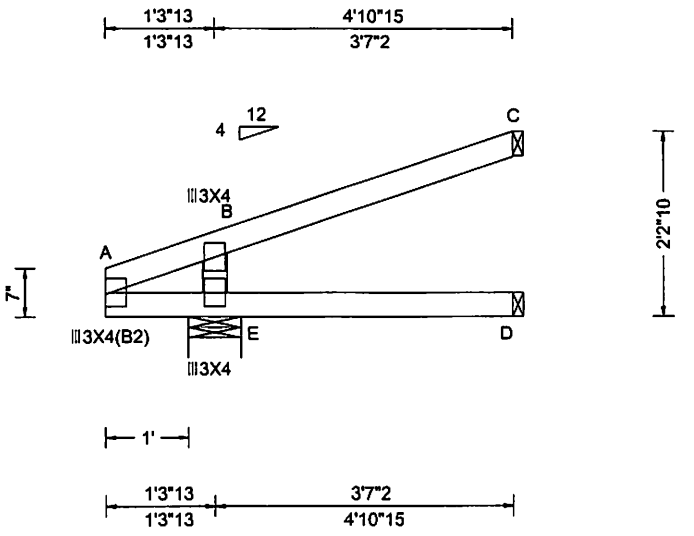
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ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 85830 / JACK FROM:	Ply: 1 Qty: 2	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** J02	Cust: R 9419 JRef:1XUR94190003 T16 / DrwNo: 317.23.0701.21174 / FK 11/13/2023



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: 15.00	Speed: 145 mph	Pf: NA Ce: NA	VERT(LL): 0.018 A 993 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.024 A 728 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.010 C - -
Des Ld: 45.00	EXP: D Kzt: NA		HORZ(TL): 0.012 C - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.291
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.192
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.092
	C&C Dist a: 3.00 ft	FT/RT/PT:10(0)/3(0)/1(0)	
	Loc. from endwall: not in 4.50 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 22.02.00.0914.21
	Wind Duration: 1.33		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E	321	/-	/-	/239	/71	/87
D	57	/-	/-	/30	/-	/-
C	108	/-	/-	/54	/81	/-

Wind reactions based on MWFRS
E Brg Wid = 7.6 Min Req = 1.5 (Truss)
D Brg Wid = 1.5 Min Req = -
C Brg Wid = 1.5 Min Req = -
Bearing E is a rigid surface.
Members not listed have forces less than 375#

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
B - E	386	-250

Lumber

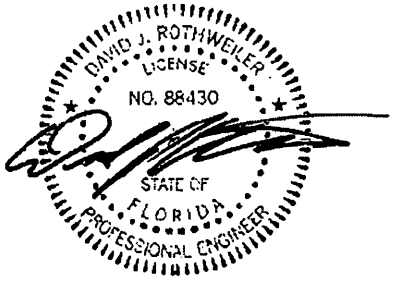
Top chord: 2x4 SPF #1/#2;
Bot chord: 2x4 SPF #1/#2;
Webs: 2x4 SPF #1/#2;

Wind

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

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.



11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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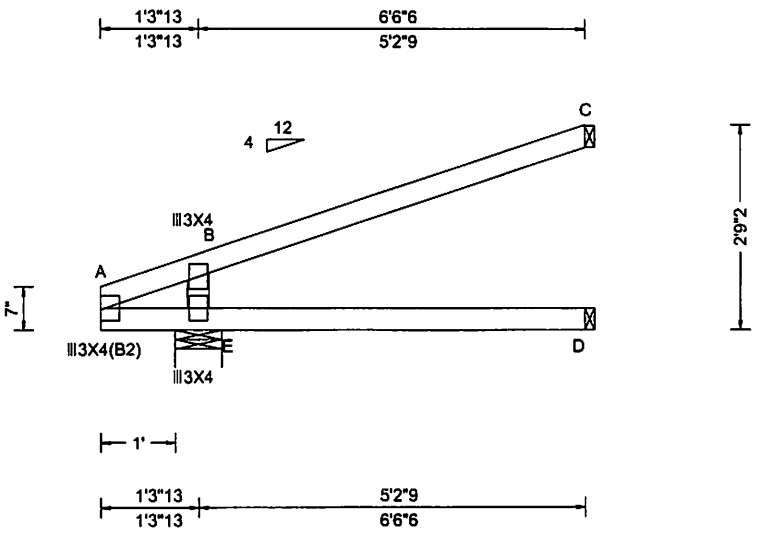
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 118202 / MONO FROM:	Ply: 1 Qty: 12	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** J03	Cust: R 9419 JRef: 1XUR94190003 T23 / DrwNo: 317.23.0701.21846 / FK 11/13/2023



Loading Criteria (psf)
TCLL: 20.00
TCDL: 15.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 45.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-16
Speed: 145 mph
Enclosure: Closed
Risk Category: II
EXP: D Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.33

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/PT:10(0)/3(0)/1(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.045	A	388	360
VERT(CL): -0.065	A	999	240
HORZ(LL): -0.025	C	-	-
HORZ(TL): 0.035	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.656
Max BC CSI: 0.422
Max Web CSI: 0.141

VIEW Ver: 22.02.00.0914.21

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E	386	/-	/-	/278	/92	/116
D	92	/-	/-	/50	/-	/-
C	163	/-	/-	/89	/115	/-

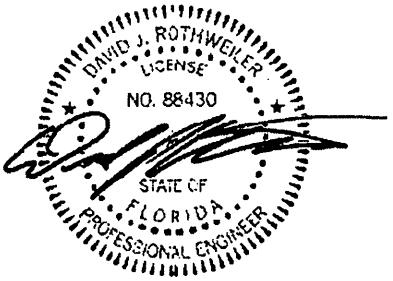
Wind reactions based on MWFRS
E Brg Wid = 7.6 Min Req = 1.5 (Truss)
D Brg Wid = 1.5 Min Req = -
C Brg Wid = 1.5 Min Req = -
Bearing E is a rigid surface.
Members not listed have forces less than 375#

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
B - E	553	-335

Lumber
Top chord: 2x4 SPF #1/#2;
Bot chord: 2x4 SPF #1/#2;
Webs: 2x4 SPF #1/#2;

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

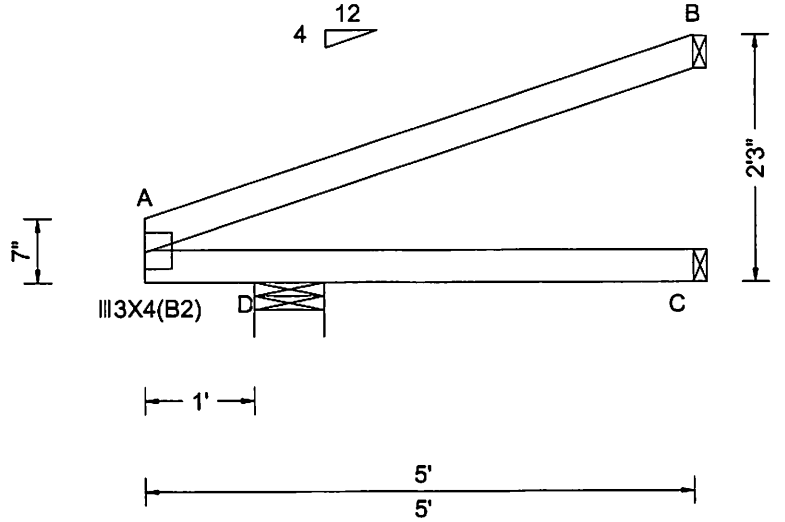


11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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

SEQN: 118392 / MONO FROM:	Ply: 1 Qty: 9	**Job Number:** KTQ23455-BLDG-RANCH-R-Rev-2 Job Number:KTQ23455-BLDG-RANCH-R-Rev Job Description:Florida job-BLDG-Ranch-Ro D **Truss Label:** J05	Cust: R 9419 JRef:1XUR94190003 T24 / DrwNo: 317.23.0701.21249 / FK 11/13/2023



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: 15.00	Speed: 145 mph	Pf: NA Ce: NA	VERT(LL): 0.032 A 489 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.074 A 213 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.015 B - -
Des Ld: 45.00	EXP: D Kzt: NA		HORZ(TL): 0.034 B - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.599
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.285
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.000
	C&C Dist a: 3.00 ft	FT/RT/PT:10(0)/3(0)/1(0)	
	Loc. from endwall: not in 4.50 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 22.02.00.0914.21
	Wind Duration: 1.33		

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
D	311	/-	/-	/231	/69	/88
C	46	/-8	/-	/32	/-	/-
B	155	/-	/-	/86	/111	/-

Wind reactions based on MWFRS
D Brg Wid = 7.6 Min Req = 1.5 (Truss)
C Brg Wid = 1.5 Min Req = -
B Brg Wid = 1.5 Min Req = -
Bearing D is a rigid surface.
Members not listed have forces less than 375#

Lumber

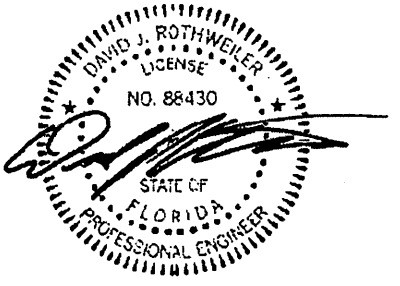
Top chord: 2x4 SPF #1/#2;
Bot chord: 2x4 SPF #1/#2;

Wind

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

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.



11/13/2023 FL REQ# 278, David J. Rothweiler, FL PE# 88430

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Gable Stud Reinforcement Detail

ASCE 7-16: 180 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Or: 160 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00
Or: 160 mph Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00
Or: 140 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	3' 6"	6' 0"	6' 3"	7' 1"	7' 4"	8' 5"	8' 9"	11' 1"	11' 7"	13' 3"	13' 9"
		#3	3' 4"	5' 1"	5' 5"	6' 9"	7' 3"	8' 4"	8' 8"	10' 7"	11' 4"	13' 1"	13' 7"
		Stud	3' 4"	5' 0"	5' 4"	6' 9"	7' 2"	8' 4"	8' 8"	10' 6"	11' 3"	13' 1"	13' 7"
		Standard	3' 4"	4' 4"	4' 7"	5' 9"	6' 2"	7' 10"	8' 5"	9' 1"	9' 8"	12' 4"	13' 2"
	SP DFL	#1	3' 8"	6' 1"	6' 4"	7' 2"	7' 5"	8' 6"	8' 10"	11' 3"	11' 8"	13' 4"	13' 11"
		#2	3' 6"	5' 9"	6' 2"	7' 1"	7' 4"	8' 5"	8' 9"	11' 1"	11' 7"	13' 3"	13' 9"
		#3	3' 5"	4' 7"	4' 10"	6' 1"	6' 6"	8' 2"	8' 9"	9' 6"	10' 2"	12' 11"	13' 8"
		Stud	3' 5"	4' 7"	4' 10"	6' 1"	6' 6"	8' 2"	8' 9"	9' 6"	10' 2"	12' 11"	13' 8"
		Standard	3' 1"	4' 0"	4' 3"	5' 4"	5' 9"	7' 3"	7' 9"	8' 5"	9' 0"	11' 5"	12' 3"
16" o.c.	SPF HF	#1 / #2	4' 0"	6' 10"	7' 2"	8' 1"	8' 5"	9' 8"	10' 1"	12' 9"	13' 3"	14' 0"	14' 0"
		#3	3' 10"	6' 2"	7' 2"	8' 0"	8' 4"	9' 7"	9' 11"	12' 7"	13' 1"	14' 0"	14' 0"
		Stud	3' 10"	6' 2"	6' 7"	8' 0"	8' 4"	9' 7"	9' 11"	12' 7"	13' 1"	14' 0"	14' 0"
		Standard	3' 10"	5' 4"	5' 8"	7' 1"	7' 7"	9' 7"	9' 11"	11' 1"	11' 11"	14' 0"	14' 0"
	SP DFL	#1	4' 3"	7' 0"	7' 3"	8' 3"	8' 6"	9' 9"	10' 2"	12' 11"	13' 5"	14' 0"	14' 0"
		#2	4' 0"	6' 10"	7' 2"	8' 1"	8' 5"	9' 8"	10' 1"	12' 9"	13' 3"	14' 0"	14' 0"
		#3	3' 11"	5' 7"	5' 11"	7' 5"	7' 11"	9' 7"	10' 0"	11' 8"	12' 6"	14' 0"	14' 0"
		Stud	3' 11"	5' 7"	5' 11"	7' 5"	7' 11"	9' 7"	10' 0"	11' 8"	12' 6"	14' 0"	14' 0"
		Standard	3' 9"	4' 11"	5' 3"	6' 7"	7' 0"	8' 11"	9' 6"	10' 4"	11' 1"	14' 0"	14' 0"
12" o.c.	SPF HF	#1 / #2	4' 5"	7' 7"	7' 10"	8' 11"	9' 3"	9' 8"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 3"	7' 2"	7' 7"	8' 10"	9' 2"	10' 6"	10' 11"	13' 10"	14' 0"	14' 0"	14' 0"
		Stud	4' 3"	7' 1"	7' 7"	8' 10"	9' 2"	10' 6"	10' 11"	13' 10"	14' 0"	14' 0"	14' 0"
		Standard	4' 3"	6' 2"	6' 6"	8' 2"	8' 9"	10' 6"	10' 11"	12' 10"	13' 9"	14' 0"	14' 0"
	SP DFL	#1	4' 8"	7' 8"	7' 11"	9' 0"	9' 5"	10' 9"	11' 2"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	4' 5"	7' 7"	7' 10"	8' 11"	9' 3"	10' 8"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 4"	6' 5"	6' 10"	8' 7"	9' 12"	10' 7"	11' 0"	13' 5"	14' 0"	14' 0"	14' 0"
		Stud	4' 4"	6' 5"	6' 10"	8' 7"	9' 12"	10' 7"	11' 0"	13' 5"	14' 0"	14' 0"	14' 0"
		Standard	4' 3"	5' 8"	6' 1"	7' 7"	8' 1"	10' 3"	10' 11"	11' 11"	12' 9"	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.

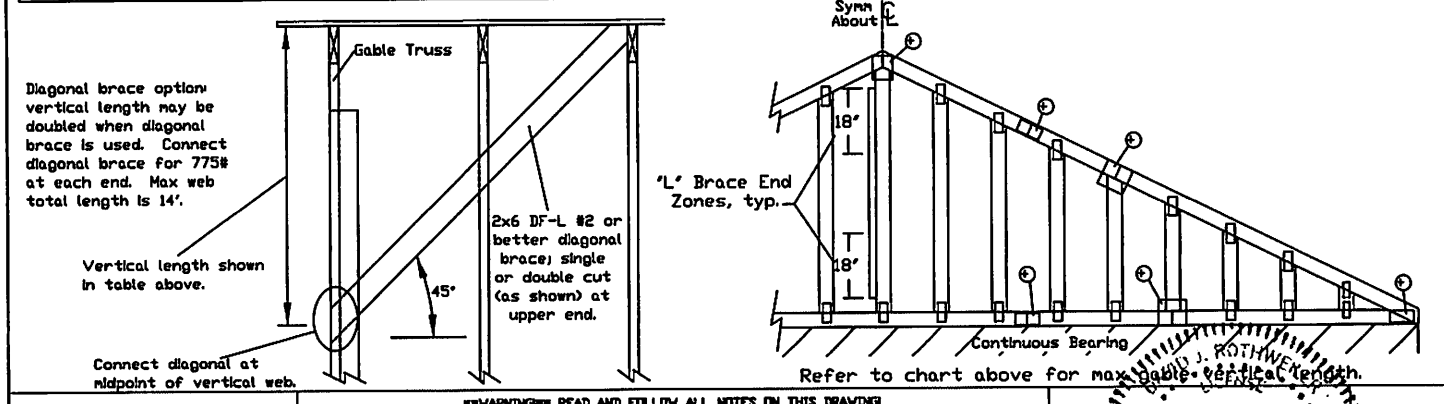
"L" bracing must be a minimum of 80% of web member length.

Gable Vertical Plate Sizes

Vertical Length	No Splice
Less than 4' 0"	2X3
Greater than 4' 0", but less than 10' 0"	4X4

+ 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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DAVID J. ROTHWELL ENGINEER
NO. 88430
STATE OF FLORIDA
PROFESSIONAL ENGINEER

11/13/2023

MAX. TOT. LD. 60 PSF

FL REQ# 278, DAVID J. ROTHWELL, FL PE# 88430

REF	ASCE7-16-GAB18015
DATE	01/26/2018
DRWG	A18015ENC160118

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.

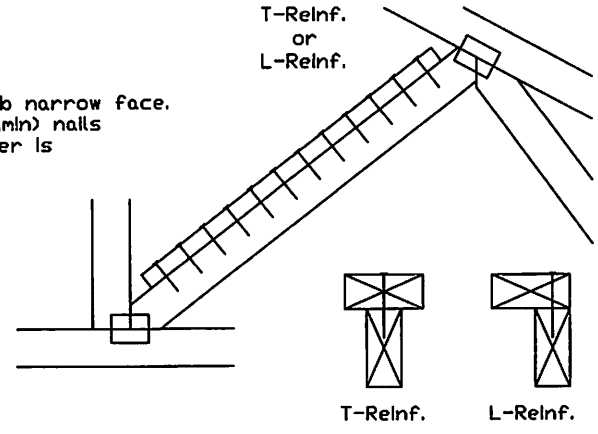
Web Member Size	Specified CLR Restraint	Alternative Reinforecement T- or L- Reinf.	Alternative Reinforecement Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(*)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(*)

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.

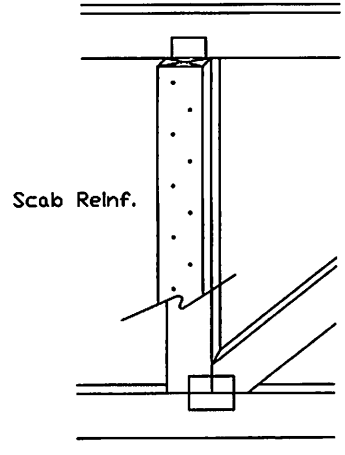
T-Reinforcement or L-Reinforcement:

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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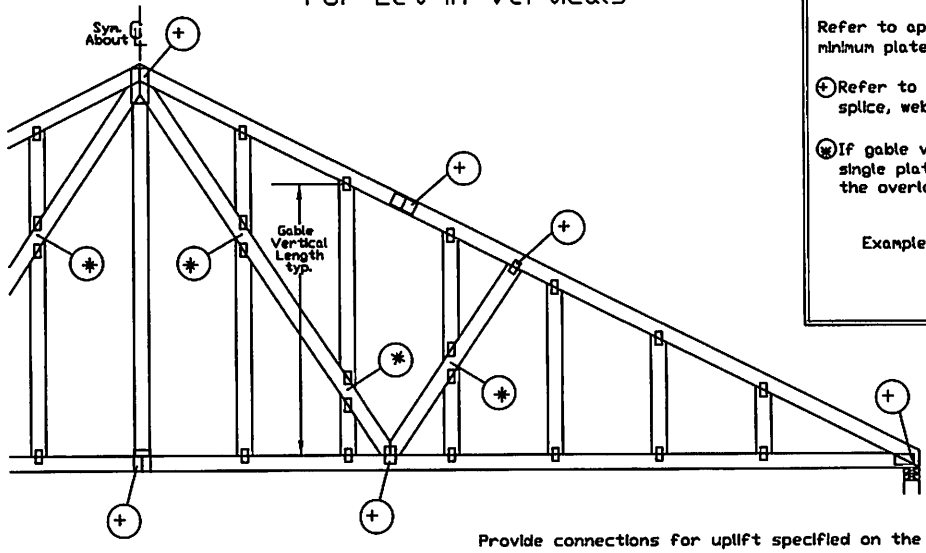
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TC LL	PSF	REF CLR Subst.
TC DL	PSF	DATE 01/02/19
BC DL	PSF	DRWG BRCLBSUB0119
BC LL	PSF	
TOT. LD.	PSF	
DUR. FAC.		
SPACING		

1/13/2023

FL REQ# 278 David J. Rothweiler, FL PE# 88430

Gable Detail
For Let-In Verticals



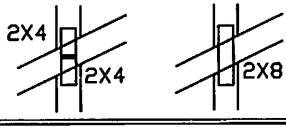
Gable Truss Plate Sizes

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

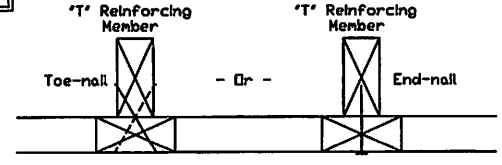
⊕ Refer to Engineered truss design for peak, splice, web, and heel plates.

⊛ 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.

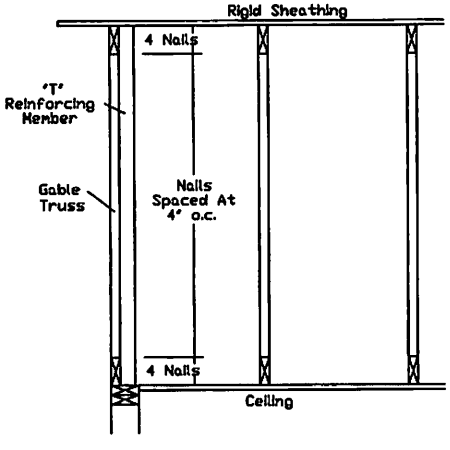
Toenailed Nails:
10d Common (0.148"x3",min) Toenails at 4' o.c. plus
(4) toenails in the top and bottom chords.

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"

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11/13/2023

MAX. TOT. LD. 60 PSF

DUR. FAC. ANY

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