Alpine, an ITW Company
155 Harlem Ave
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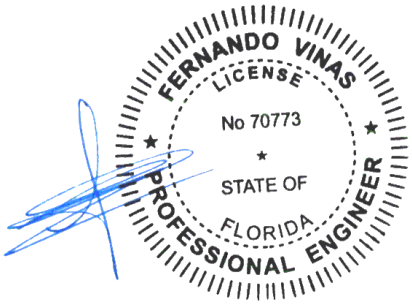

04/24/2024

COA#0-278
Florida Certificate of Product Approval #FL1999

This item has been digitally signed by Fernando Vinas on the date adjacent to the seal.

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Site Information:	**Page 1:**
Customer: Seminole Trusses, Inc.	*Job Number:* B57122RR
Job Description: Lay Res	
Address: Lake City, FL	

Job Engineering Criteria:	
Design Code: FBC 8th Ed. 2023 Res.	*IntelliVIEW Version:* 23.02.01A through 24.01.00A *JRef #:* 1XZ98570007
Wind Standard: ASCE 7-22 *Wind Speed (mph):* 125 *Building Type:* Closed	*Design Loading (psf):* 37.00

This package contains general notes pages, 30 truss drawing(s) and 6 detail(s).

Item	Drawing Number	Truss	Item	Drawing Number	Truss
1	115.24.1511.26653	AT1	2	115.24.1511.52053	FLT1
3	115.24.1512.02803	FLT2	4	115.24.1512.16090	GE1
5	115.24.1512.35687	GE3	6	115.24.1512.40490	GE4
7	115.24.1512.46530	GE5	8	115.24.1513.52643	GE6
9	115.24.1513.59110	GE7	10	115.24.1514.04803	GE8
11	115.24.1514.07480	GE9	12	115.24.1514.09913	GE10
13	115.24.1514.14260	M1	14	115.24.1536.30487	M2
15	115.24.1514.45497	M3	16	115.24.1514.47803	M4
17	115.24.1514.53477	M5	18	115.24.1514.58787	PB1
19	115.24.1515.02417	PBG1	20	115.24.1516.24670	SGT1
21	115.24.1516.41483	SGT2	22	115.24.1517.20933	T1
23	115.24.1518.14220	T2	24	115.24.1519.03803	T3
25	115.24.1519.06557	T4	26	115.24.1531.07980	T5
27	115.24.1531.10360	T6	28	115.24.1531.12133	T8
29	115.24.1531.16230	T9	30	115.24.1536.06830	GE2
31	PB160160118		32	PB180160118	
33	REPCHRD1014		34	BRCLBSUB0119	
35	PB160220723		36	160TL	

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.
C = Coated lumber.
C-AT = AtTEK coated lumber.
C-FX = FX Lumber Guard coated lumber.
C -TW = TechWood 4400 coated lumber.
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.

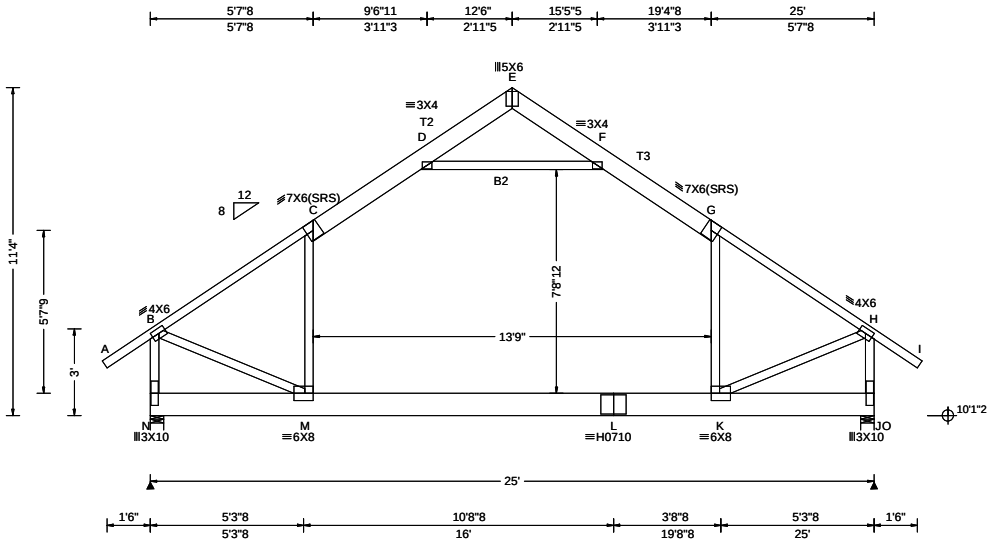
General Notes (continued)

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: 22595 COMN FROM: RNB	Ply: 1 Qty: 16	**Job Number:** B57122RR Lay Res **Truss Label:** AT1		Cust: R 857 JRef:1XZ98570007 T8 DrwNo: 115.24.1511.26653 GA / FV 04/24/2024	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	37.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 125 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 16.71 ft
TCDL: 4.2 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

Building Code:
FBC 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/0(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.191	G	999	360
VERT(CL): 0.386	G	776	240
HORZ(LL): 0.180	C	-	-
HORZ(TL): 0.373	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.988
Max BC CSI: 0.988
Max Web CSI: 0.649

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

		Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh		/ Rw	/ U	/ RL
N	1920	/-	/-		/545	/32	/265
O	1920	/-	/-		/545	/32	/-

Wind reactions based on MWFRS
N Brg Wid = 5.5 Min Req = 2.4 (Support)
O Brg Wid = 5.5 Min Req = 2.4 (Support)
Bearings N & O Fcperp = 425psi.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	94	-1985	E - F	980	0
C - D	193	-1545	F - G	193	-1545
D - E	979	0	G - H	94	-1985

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
M - L	1545	-34	L - K	1545	-34

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - N	145	-2037	G - K	674	-31
B - M	1703	0	K - H	1703	0
M - C	674	-31	H - J	145	-2038
D - F	214	-2666			

Lumber

Top chord: 2x4 SP #1; T2,T3 2x8 SP SS Dense;
Bot chord: 2x10 SP SS Dense; B2 2x4 SP #1;
Webs: 2x4 SP #3;

Plating Notes

Plates sized for a minimum of 3.50 sq.in./piece.

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	37	-1.58	12.50
TC	37	12.50	26.58
BC	99	0.00	25.00
BC	43	9.39	15.61

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

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

Loading

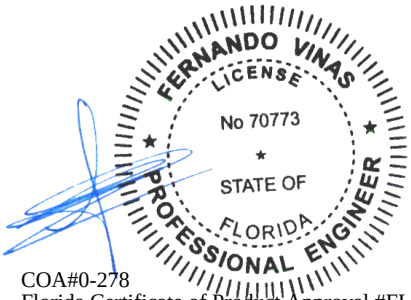
Attic room loading from 5-7-8 to 19-4-8: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

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.



COA#0-278
Florida Certificate of Product Approval #FL1999
04/24/2024

****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.

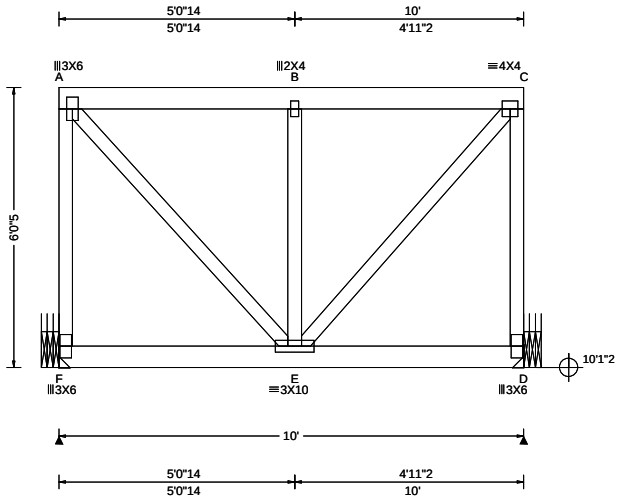
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, 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: 22621 FLAT FROM: RNB	Ply: 2 Qty: 1	**Job Number:** B57122RR Lay Res **Truss Label:** FLT1	Cust: R 857 JRef:1XZ98570007 T5 DrwNo: 115.24.1511.52053 GA / FV 04/24/2024	

2 Complete Trusses Required



Loading Criteria (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 125 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 16.12 ft
TCDL: 4.2 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 21.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

Building Code:
FBC 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/0(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.024	B	999	360
VERT(CL): 0.045	B	999	240
HORZ(LL): -0.002	C	-	-
HORZ(TL): 0.003	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.669
Max BC CSI: 0.051
Max Web CSI: 0.492

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	2571	/-	/-	/-	/297	/103
D	2572	/-	/-	/-	/282	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	79	- 615	B - C	79	- 615

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - F	153	- 1262	B - E	170	- 1367
A - E	914	- 80	C - D	145	- 1262
E - C	929	- 120			

Lumber
Top chord: 2x6 SP #1;
Bot chord: 2x6 SP #1;
Webs: 2x4 SP #3;

Nailnote
Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @ 3.75" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.
(1) 1/2" bolts may be used for
(2) 0.128"x3", min. nails on
Either The Top or Bottom Chords.

Special Loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 27 plf at 0.00 to 27 plf at 10.00
BC: From 10 plf at 0.00 to 10 plf at 10.00
TC: 631 lb Conc. Load at 0.06
TC: 675 lb Conc. Load at 1.94, 3.94, 5.94, 7.94 9.94
BC: 192 lb Conc. Load at 1.94, 3.94, 5.94, 7.94

Plating Notes
Plates sized for a minimum of 3.50 sq.in./piece.

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

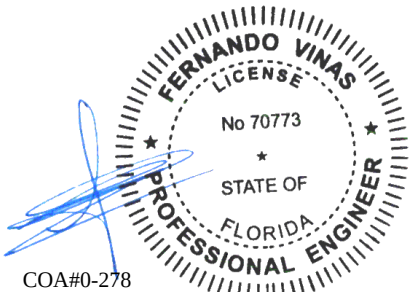
Wind
Wind loads and reactions based on MWFRS.
End verticals not exposed to wind pressure.

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	120	0.00	10.00
BC	120	0.00	10.00

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.
The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

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



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04/24/2024

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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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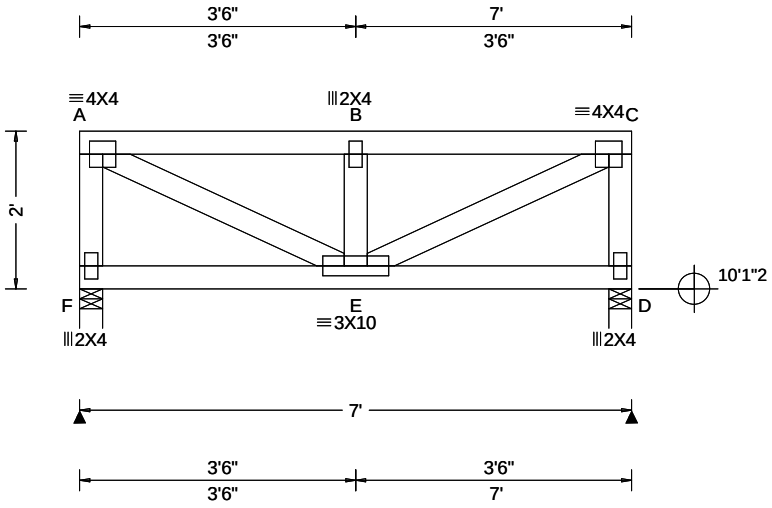
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 22622 FLAT FROM: RNB	Ply: 2 Qty: 1	**Job Number:** B57122RR Lay Res **Truss Label:** FLT2		Cust: R 857 JRef:1XZ98570007 T37 DrwNo: 115.24.1512.02803 GA / FV 04/24/2024	

2 Complete Trusses Required



Loading Criteria (psf)

TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	37.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 125 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 10.50 ft
GCpi: 0.18
Wind Duration: 1.60

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

Building Code:
FBC 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/0(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.016	B	999	360
VERT(CL): 0.029	B	999	240
HORZ(LL): -0.003	C	-	-
HORZ(TL): 0.005	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.643
Max BC CSI: 0.057
Max Web CSI: 0.378

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	1979	/-	/-	/70	/-	/-
D	1044	/-	/-	/28	/-	/-

Wind reactions based on MWFRS
F Brg Wid = 3.5 Min Req = 1.5 (Support)
D Brg Wid = 3.5 Min Req = 1.5 (Support)
Bearings F & D Fcperp = 425psi.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	0	-899	B - C	0	-899

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - F	0	-973	E - C	992	0
A - E	982	0	C - D	0	-497
B - E	0	-859			

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Nailnote

Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @ 4.25" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

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

TC: From	27 plf at	0.00 to	27 plf at	4.19
TC: From	54 plf at	4.19 to	54 plf at	7.00
BC: From	10 plf at	0.00 to	10 plf at	4.19
BC: From	20 plf at	4.19 to	20 plf at	7.00

TC: 887 lb Conc. Load at 0.19, 2.19, 4.19

Plating Notes

Plates sized for a minimum of 3.50 sq.in./piece.

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	84	0.00	7.00
BC	84	0.00	7.00

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

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

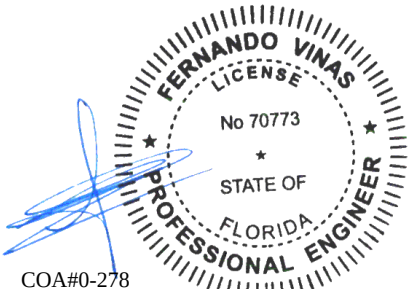
Wind

Wind loads and reactions based on MWFRS.

End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.



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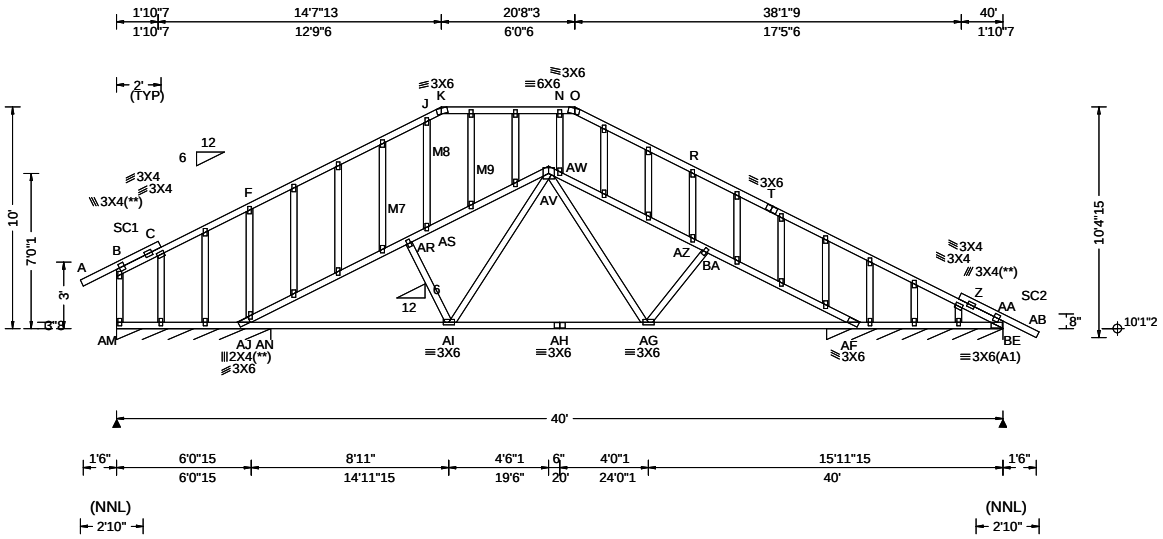
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 22596 GABL	Ply: 1	**Job Number:** B57122RR	Cust: R 857 JRef:1XZ98570007 T25	
FROM: RNB	Qty: 1	Lay Res	DrwNo: 115.24.1512.16090	
Page 1 of 2		**Truss Label:** GE1	GA / FV 04/24/2024	



Loading Criteria (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 125 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.02 ft
TCDL: 4.2 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.00 ft
Loc. from endwall: not in 5.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

Building Code:
FBC 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/0(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.175	AX	999	360
VERT(CL): 0.425	AX	707	240
HORZ(LL): -0.090	B	-	-
HORZ(TL): 0.219	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.601
Max BC CSI: 0.982
Max Web CSI: 0.997

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
AM*343		/-	/-	/126	/6	/44
BE*293		/-	/-	/121	/7	/-

Wind reactions based on MWFRS
AM Brg Wid = 83.5 Min Req = -
BE Brg Wid = 95.5 Min Req = -
Bearings AM & BD Fcperp = 425psi.
Members not listed have forces less than 375#

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AJ-AI	5057	-167	AH-AG	1722	-51
AI-AH	1722	-51	AG-AF	5113	-272

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AJ-AN	280	-3060	AV-AW	140	-2100
AN-AR	221	-2864	AV-AG	766	-33
AR-AS	186	-2655	AW-AZ	192	-2420
AR-AI	118	-746	AG-BA	169	-698
AS-AV	171	-2491	AZ-BA	229	-2578
AI-AV	890	0	BA-AF	305	-2932

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.	Gables	Tens.	Comp.
F -AN	120	-431	AW- N	103	-719
J -AS	37	-387	AZ- R	89	-386

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3; M7,M8,M9 2x4 SP #1;
Stack Chord: SC1 2x4 SP #1;
Stack Chord: SC2 2x4 SP #1;

Plating Notes

All plates are 2X4 except as noted.

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

Plates sized for a minimum of 3.50 sq.in./piece.

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	45	-1.57	1.93
TC	75	0.00	14.65
TC	24	14.65	20.68
TC	75	20.68	40.00
TC	45	38.07	41.57
BC	37	0.00	39.85

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 6.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

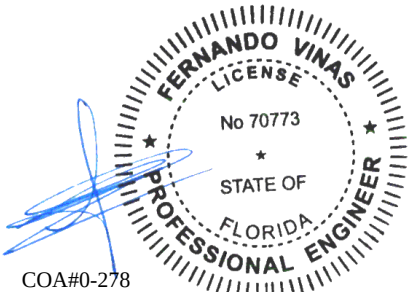
Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/170.



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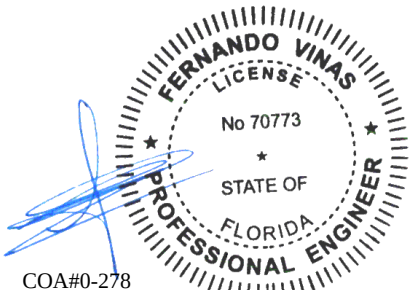
Additional Notes

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.

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



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04/24/2024

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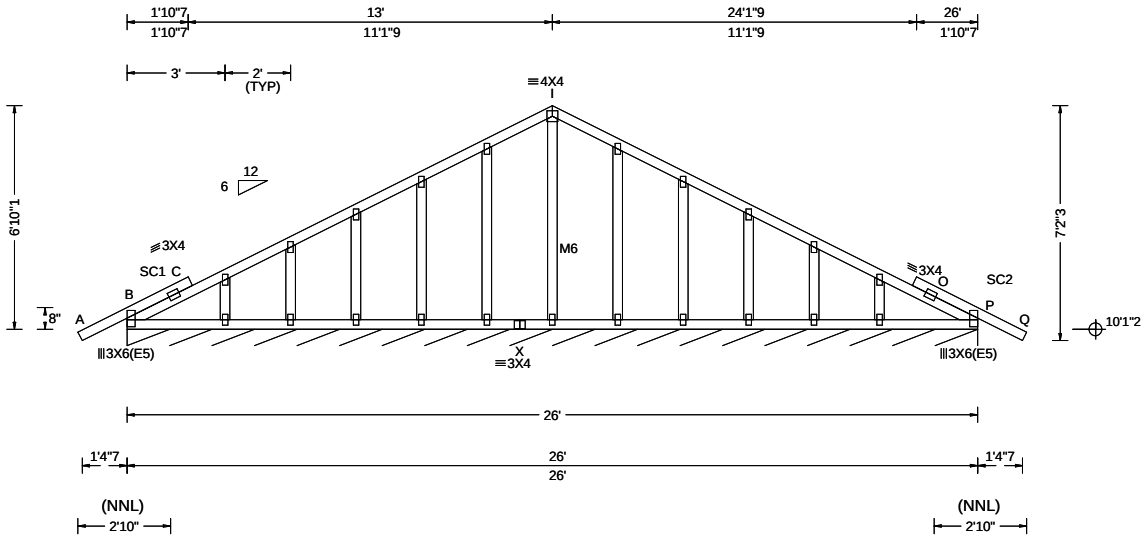
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 22598 GABL FROM: RNB Page 1 of 2	Ply: 1 Qty: 1	**Job Number:** B57122RR Lay Res **Truss Label:** GE3		Cust: R 857 JRef:1XZ98570007 T26 DrwNo: 115.24.1512.35687 GA / FV 04/24/2024	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 7.00	Speed: 125 mph	Pf: NA Ce: NA	VERT(LL): 0.002 C 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.005 C 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 K - -
Des Ld: 37.00	EXP: B Kzt: NA		HORZ(TL): 0.002 K - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 4.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.123
Load Duration: 1.25	BCDL: 6.0 psf	TPI Std: 2014	Max BC CSI: 0.048
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Varies by Ld Case	Max Web CSI: 0.867
	C&C Dist a: 3.00 ft	FT/RT:20(0)/0(0)	
	Loc. from endwall: Any	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 23.02.01A.1204.18
	Wind Duration: 1.60		

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
P*	104	/-	/-	/40	/2	/5

Wind reactions based on MWFRS
P Brg Wid = 312 Min Req = -
Bearing B Fcperp = 425psi.
Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3; M6 2x4 SP #1;
Stack Chord: SC1 2x4 SP #1;
Stack Chord: SC2 2x4 SP #1;

Plating Notes

All plates are 2X4 except as noted.

Plates sized for a minimum of 3.50 sq.in./piece.

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	38	-1.43	1.50
TC	75	0.00	13.00
TC	75	13.00	26.00
TC	38	24.50	27.43
BC	75	0.00	26.00

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 6.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

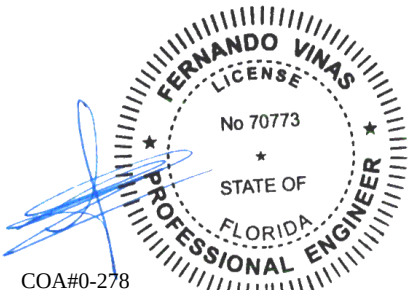
Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/157.



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

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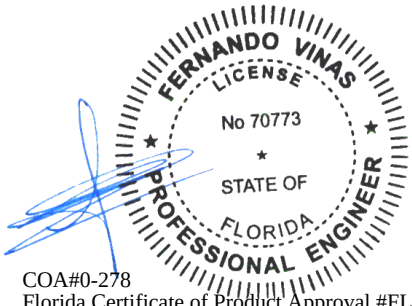
Additional Notes

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.

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



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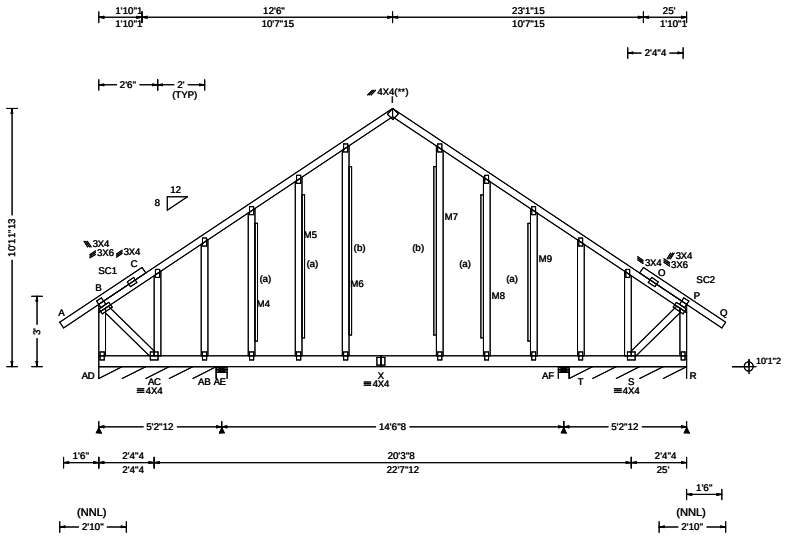
Glenview, IL 60025

SEQN: 22634 GABL	Ply: 1	**Job Number:** B57122RR	Cust: R 857 JRef:1XZ98570007 T11
FROM: CVB	Qty: 1	Lay Res	DrwNo: 115.24.1512.40490
Page 1 of 2		**Truss Label:** GE4	GA / FV 04/24/2024



Loading Criteria (psf)

TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	37.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 125 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 16.53 ft
TCDL: 4.2 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

Building Code:
FBC 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/0(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.077	Y	999	360
VERT(CL): 0.190	Y	920	240
HORZ(LL): 0.038	H	-	-
HORZ(TL): 0.093	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.999
Max BC CSI: 0.556
Max Web CSI: 0.789

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
AD*78		/-	/-	/33	/-	/72
AE	1193	/-	/0	/531	/90	/0
AF	1193	/-	/0	/522	/90	/0
R*	78	/-	/-	/32	/-	/-
AC		/-527				
AB		/-378				
T		/-378				
S		/-527				

Wind reactions based on MWFRS
AD Brg Wid = 60.0 Min Req = -
AE Brg Wid = 5.5 Min Req = 1.5 (Truss)
AF Brg Wid = 5.5 Min Req = 1.5 (Truss)
R Brg Wid = 60.0 Min Req = -
Bearings AD, AE, AF, & AF Fcperp = 425psi.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	196	-870	I - O	105	-883
C - I	105	-883	O - P	192	-870

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AC- X	1268	-246	X - S	1268	-243

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B -AC	876	-107	S - P	876	-103

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.	Gables	Tens.	Comp.
B -AD	0	-1267	P - R	0	-1267

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x6 SP #1;
Webs: 2x4 SP #3; M4,M5,M8,M9 2x4 SP #1; M6, M7 2x4 SP SS Dense;
Stack Chord: SC1 2x4 SP #1;
Stack Chord: SC2 2x4 SP #1;

Plating Notes

All plates are 2X4 except as noted.

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

Plates sized for a minimum of 3.50 sq.in./piece.

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	55	-1.58	2.42
TC	73	0.00	12.50
TC	74	12.50	25.00
TC	55	22.58	26.58
BC	120	0.00	25.00

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 6.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

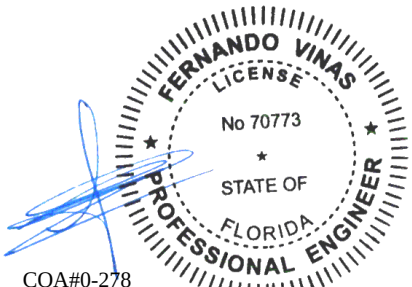
Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/209.



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Glenview, IL 60025

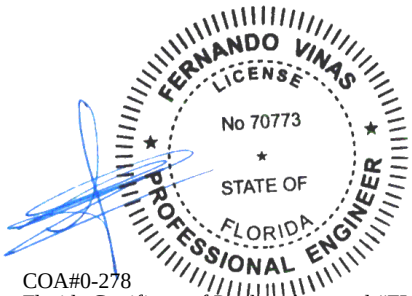
Gable Reinforcement

(a) 1x4 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.
(b) 1x4 "L" reinforcement. Same species and grade as web. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.

Additional Notes

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.

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



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155 Harlem Ave
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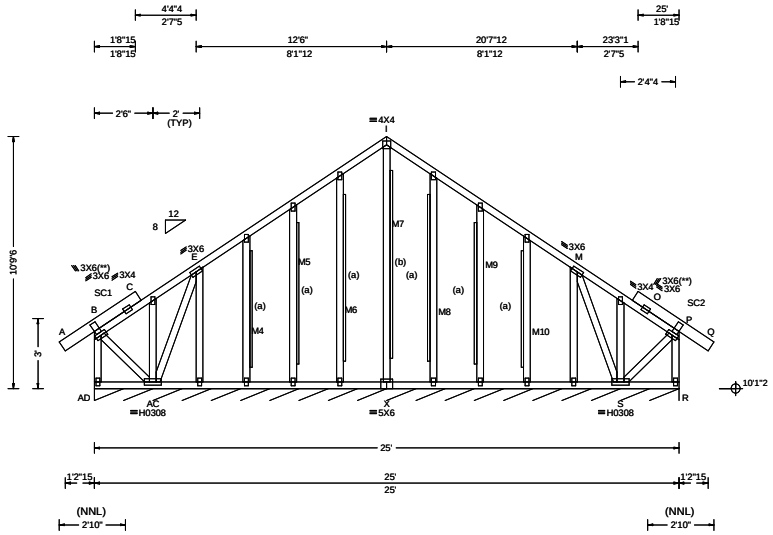
Glenview, IL 60025

SEQN: 198561 GABL FROM: RNB Page 1 of 2	Ply: 1 Qty: 1	**Job Number:** B57122RR Lay Res **Truss Label:** GE5		Cust: R 857 JRef:1XZ98570007 T1 DrwNo: 115.24.1512.46530 GA / FV 04/24/2024	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 7.00	Speed: 125 mph	Pf: NA Ce: NA	VERT(LL): 0.002 I 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.004 O 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.004 K - -
Des Ld: 37.00	EXP: B Kzt: NA		HORZ(TL): 0.005 K - -
NCBCLL: 10.00	Mean Height: 16.48 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 4.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.103
Load Duration: 1.25	BCDL: 6.0 psf	TPI Std: 2014	Max BC CSI: 0.033
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Varies by Ld Case	Max Web CSI: 0.747
	C&C Dist a: 3.00 ft	FT/RT:20(0)/0(0)	
	Loc. from endwall: Any	Plate Type(s):	
	GCpi: 0.18	WAVE, HS	VIEW Ver: 23.02.01A.1204.18
	Wind Duration: 1.60		

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
R*	124	/-	/-	/42	/3	/13

Wind reactions based on MWFRS
R Brg Wid = 300 Min Req = -
Bearing AD Fcperp = 425psi.
Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3; M4,M5,M9,M10 2x4 SP #1; M6,M7, M8 2x4 SP SS Dense;
Stack Chord: SC1 2x6 SP #1;
Stack Chord: SC2 2x6 SP #1;

Plating Notes

All plates are 2X4 except as noted.

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

Plates sized for a minimum of 3.50 sq.in./piece.

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	52	-1.37	2.42
TC	75	0.00	12.50
TC	75	12.50	25.00
TC	52	22.58	26.37
BC	120	0.00	25.00

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 6.00 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.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/220.

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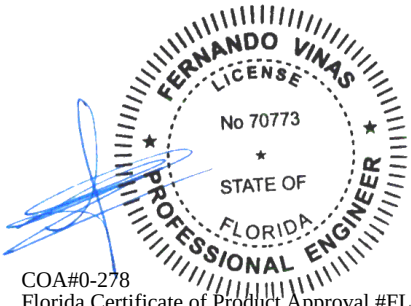
Gable Reinforcement

(a) 1x4 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.
(b) 1x4 "L" reinforcement. Same species and grade as web. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.

Additional Notes

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.

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



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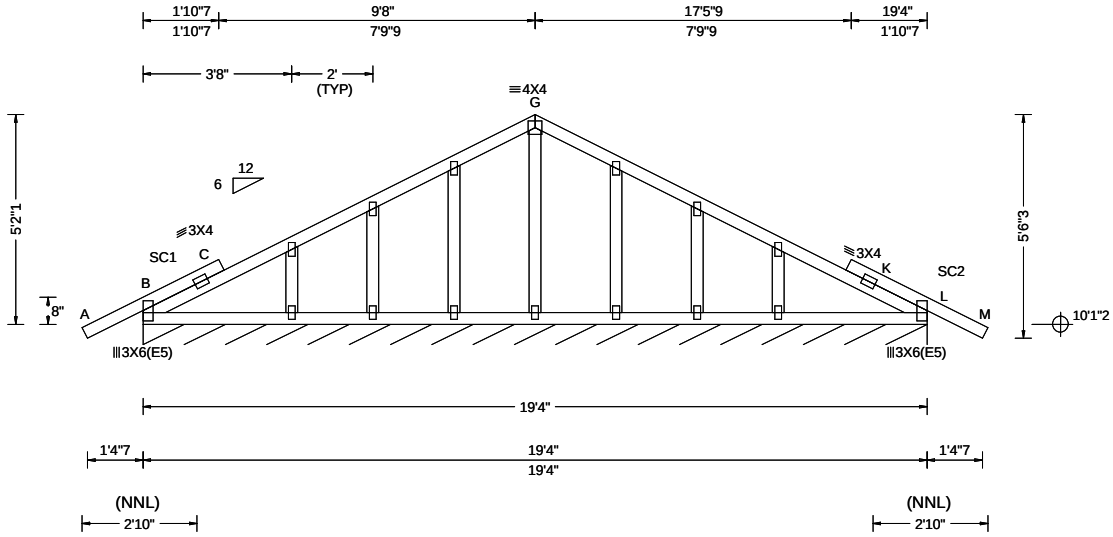
SEQN: 22601 GABL FROM: RNB Page 1 of 2	Ply: 1 Qty: 1	**Job Number:** B57122RR Lay Res **Truss Label:** GE6		Cust: R 857 JRef:1XZ98570007 T28 DrwNo: 115.24.1513.52643 GA / FV 04/24/2024	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**	**▲Maximum Reactions (lbs), or *=PLF**
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 125 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/0(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.006 K 999 360 VERT(CL): 0.013 K 999 240 HORZ(LL): 0.003 C - - HORZ(TL): 0.006 C - - Creep Factor: 2.0 Max TC CSI: 0.119 Max BC CSI: 0.074 Max Web CSI: 0.665 VIEW Ver: 23.02.01A.1204.18	Gravity / Non-Gravity Loc R+ / R- / Rh / Rw / U / RL L* 101 /- /- /41 /2 /6 Wind reactions based on MWFRS L Brg Wid = 231 Min Req = - Bearing B Fcperp = 425psi. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Stack Chord: SC1 2x4 SP #1;
Stack Chord: SC2 2x4 SP #1;

Plating Notes

All plates are 2X4 except as noted.

Plates sized for a minimum of 3.50 sq.in./piece.

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	38	-1.43	1.50
TC	75	0.00	9.67
TC	75	9.67	19.33
TC	38	17.83	20.77
BC	75	0.00	19.33

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 6.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

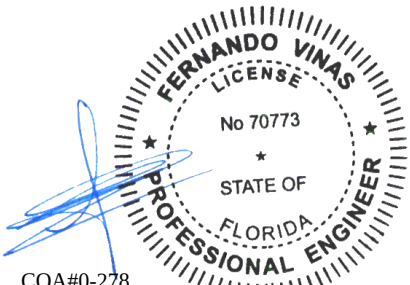
Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/335.



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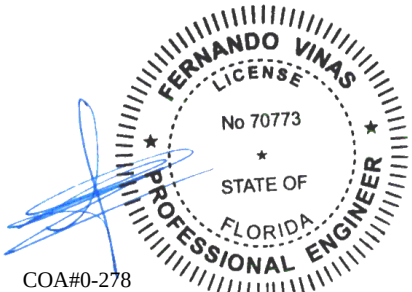
Additional Notes

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.

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



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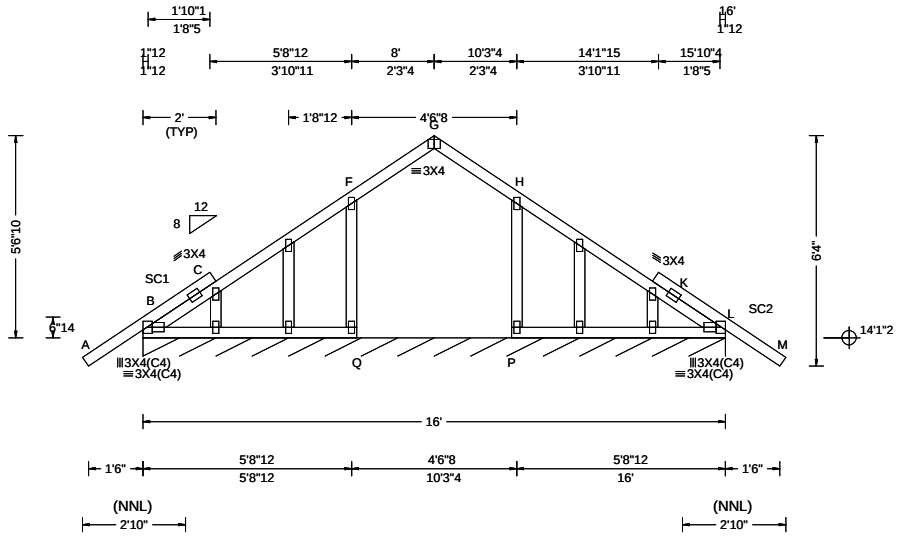
Glenview, IL 60025

SEQN: 22662 GABL FROM: RNB Page 1 of 2	Ply: 1 Qty: 1	**Job Number:** B57122RR Lay Res **Truss Label:** GE7		Cust: R 857 JRef:1XZ98570007 T22 DrwNo: 115.24.1513.59110 GA / FV 04/24/2024	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	37.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 125 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 16.60 ft
TCDL: 4.2 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

Building Code:
FBC 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/0(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.037	G	999	360
VERT(CL): 0.071	G	999	240
HORZ(LL): 0.048	K	-	-
HORZ(TL): 0.093	K	-	-

Creep Factor: 2.0
Max TC CSI: 0.293
Max BC CSI: 0.092
Max Web CSI: 0.703

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs), or *=PLF

Loc	Gravity R+	Gravity / R-	Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
L*	104	/-	/-	/39	/6	/9

Wind reactions based on MWFRS
L Brg Wid = 192 Min Req = -
Bearing B Fcperp = 425psi.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	414	-375	K - L	443	-364

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Stack Chord: SC1 2x4 SP #1;
Stack Chord: SC2 2x4 SP #1;

Plating Notes

All plates are 2X4 except as noted.

Plates sized for a minimum of 3.50 sq.in./piece.

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	48	-1.58	1.92
TC	75	0.00	8.00
TC	75	8.00	16.00
TC	48	14.08	17.58
BC	71	0.00	5.88
BC	71	10.13	16.00

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 6.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

Wind loading based on both gable and hip roof types.

Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/376.

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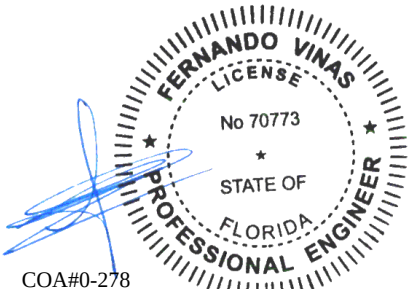
Additional Notes

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.

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



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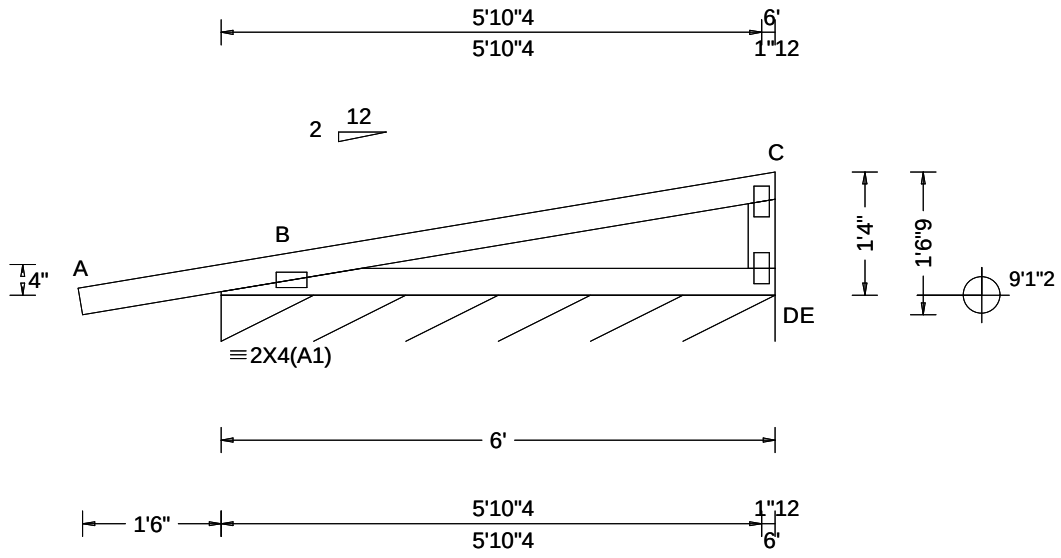
SEQN: 22643 GABL FROM: RNB	Ply: 1 Qty: 2	**Job Number:** B57122RR Lay Res **Truss Label:** GE8		Cust: R 857 JRef:1XZ98570007 T30 DrwNo: 115.24.1514.04803 GA / FV 04/24/2024	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 125 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/0(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.007 B - - HORZ(TL): 0.012 B - - Creep Factor: 2.0 Max TC CSI: 0.357 Max BC CSI: 0.212 Max Web CSI: 0.096 VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E*	92	/-	/-	/44	/40	/11

Wind reactions based on MWFRS
E Brg Wid = 72.0 Min Req = -
Bearing B Fcperp = 425psi.
Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Plating Notes

All plates are 2X4 except as noted.

Plates sized for a minimum of 3.50 sq.in./piece.

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	75	-1.52	6.00
BC	70	0.15	6.00

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 6.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

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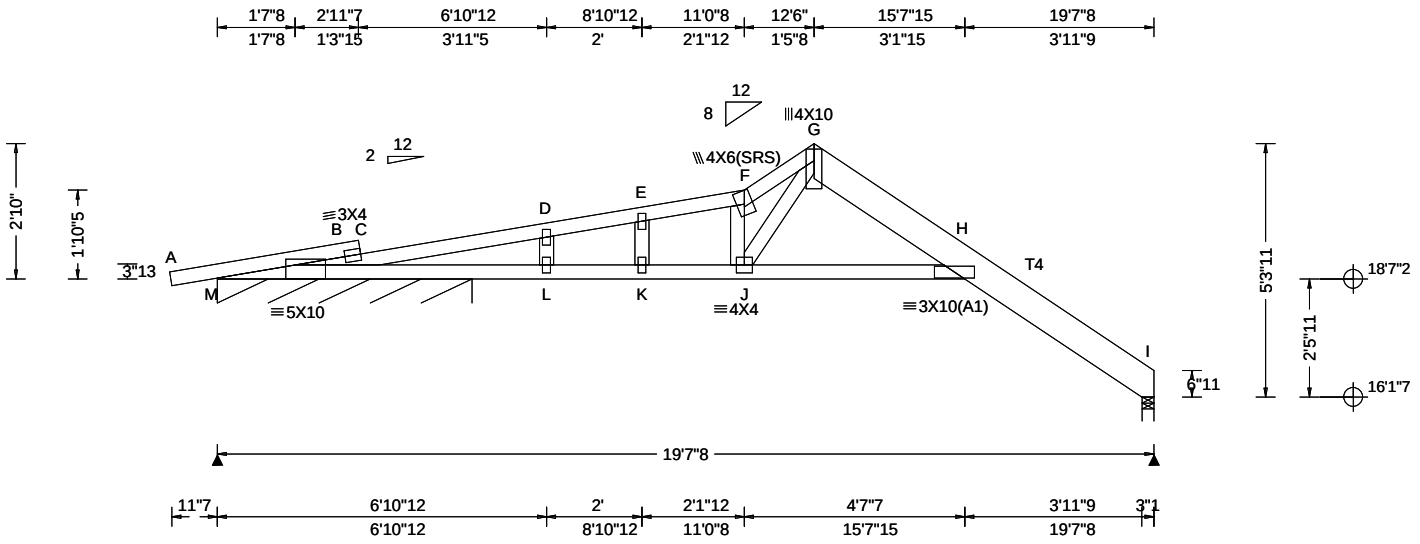
SEQN: 22604 GABL FROM: RNB	Ply: 1 Qty: 2	**Job Number:** B57122RR Lay Res **Truss Label:** GE9		Cust: R 857 JRef:1XZ98570007 T3 DrwNo: 115.24.1514.07480 GA / FV 04/24/2024	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 7.00	Speed: 125 mph	Pf: NA Ce: NA	VERT(LL): 0.249 K 814 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.423 K 478 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.031 E - -
Des Ld: 37.00	EXP: B Kzt: NA		HORZ(TL): 0.053 E - -
NCBCLL: 10.00	Mean Height: 19.05 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 4.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.985
Load Duration: 1.25	BCDL: 6.0 psf	TPI Std: 2014	Max BC CSI: 0.558
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Varies by Ld Case	Max Web CSI: 0.489
	C&C Dist a: 3.00 ft	FT/RT:20(0)/0(0)	
	Loc. from endwall: not in 10.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 23.02.01A.1204.18
	Wind Duration: 1.60		

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
M*	178	/-	/-	/81	/28	/14
I	631	/-	/-	/308	/118	/-

Wind reactions based on MWFRS
M Brg Wid = 64.0 Min Req = -
I Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearing I is a rigid surface.
Bearing M Fcperp = 425psi.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	276	- 2016	E - F	209	- 1869
C - D	190	- 1913	F - G	268	- 2168
D - E	201	- 1879	G - H	139	- 1146

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - L	1852	- 102	K - J	1845	- 99
L - K	1847	- 100	J - H	1184	- 24

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
F - J	160	- 1000	J - G	1284	- 149

Lumber

Top chord: 2x4 SP #1; T4 2x8 SP SS Dense;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Plating Notes

All plates are 2X4 except as noted.

Plates sized for a minimum of 3.50 sq.in./piece.

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	48	-0.98	2.98
TC	43	2.46	11.04
TC	20	11.04	12.50
TC	63	12.50	19.63
BC	120	2.51	15.61

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 6.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

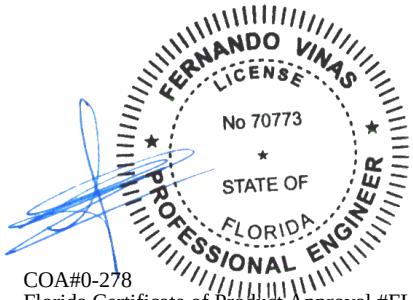
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/999.

Additional Notes

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.



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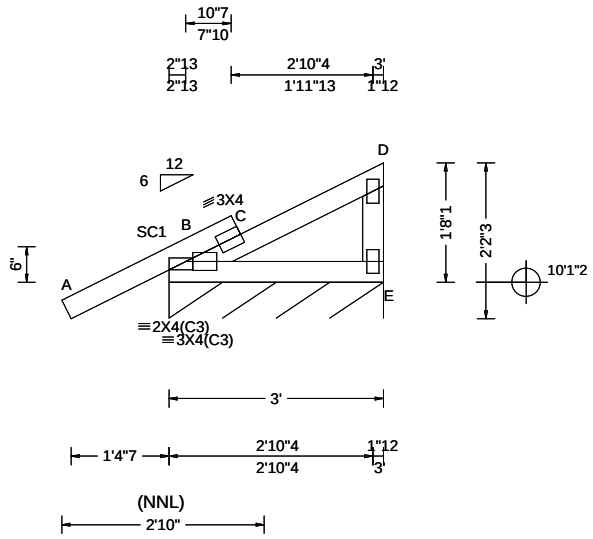
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 22605 GABL FROM: RNB	Ply: 1 Qty: 2	**Job Number:** B57122RR Lay Res **Truss Label:** GE10		Cust: R 857 JRef:1XZ98570007 T13 DrwNo: 115.24.1514.09913 GA / FV 04/24/2024	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	37.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 125 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

Building Code:
FBC 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/0(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	-0.002 B	999	360
VERT(CL):	0.002 B	999	240
HORZ(LL):	0.000 C	-	-
HORZ(TL):	0.001 C	-	-

Creep Factor: 2.0
Max TC CSI: 0.133
Max BC CSI: 0.062
Max Web CSI: 0.059

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E*	112	/-	/-	/65	/50	/36

Wind reactions based on MWFRS
E Brg Wid = 36.0 Min Req = -
Bearing B Fcperp = 425psi.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - C	557	- 607

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Stack Chord: SC1 2x4 SP #1;

Plating Notes

All plates are 2X4 except as noted.

Plates sized for a minimum of 3.50 sq.in./piece.

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	31	-1.43	1.00
TC	34	0.45	3.00
BC	36	0.00	3.00

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 6.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

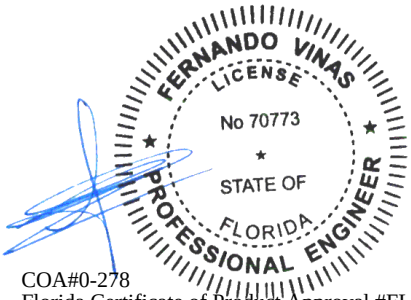
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

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



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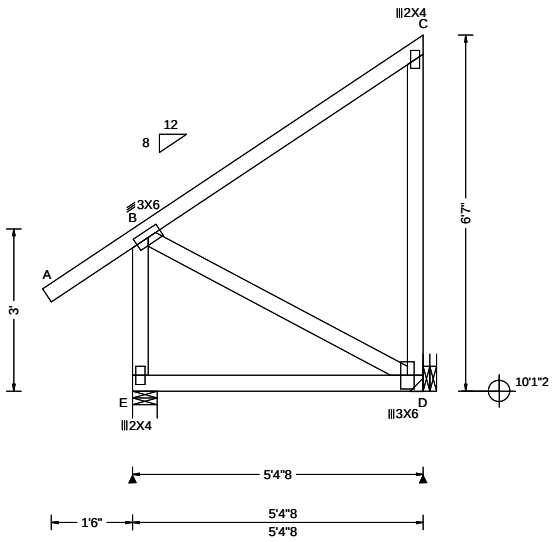
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 22606 MONO FROM: RNB	Ply: 1 Qty: 4	**Job Number:** B57122RR Lay Res **Truss Label:** M1		Cust: R 857 JRef:1XZ98570007 T14 DrwNo: 115.24.1514.14260 GA / FV 04/24/2024	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 125 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/0(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 C 999 360 VERT(CL): 0.001 C 999 240 HORZ(LL): -0.002 C - - HORZ(TL): 0.002 C - - Creep Factor: 2.0 Max TC CSI: 0.313 Max BC CSI: 0.239 Max Web CSI: 0.117 VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E	318	/-	/-	/149	/-	/126
D	192	/-	/-	/173	/50	/-

Wind reactions based on MWFRS
E Brg Wid = 5.5 Min Req = 1.5 (Support)
D Brg Wid = - Min Req = -
Bearing E Fcperp = 425psi.
Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Plating Notes

Plates sized for a minimum of 3.50 sq.in./piece.

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	75	-1.58	5.38
BC	64	0.00	5.38

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

Hangers / Ties

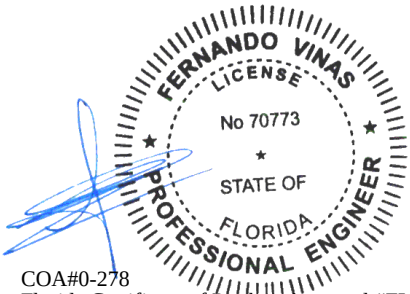
(J) Hanger Support Required, by others

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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04/24/2024

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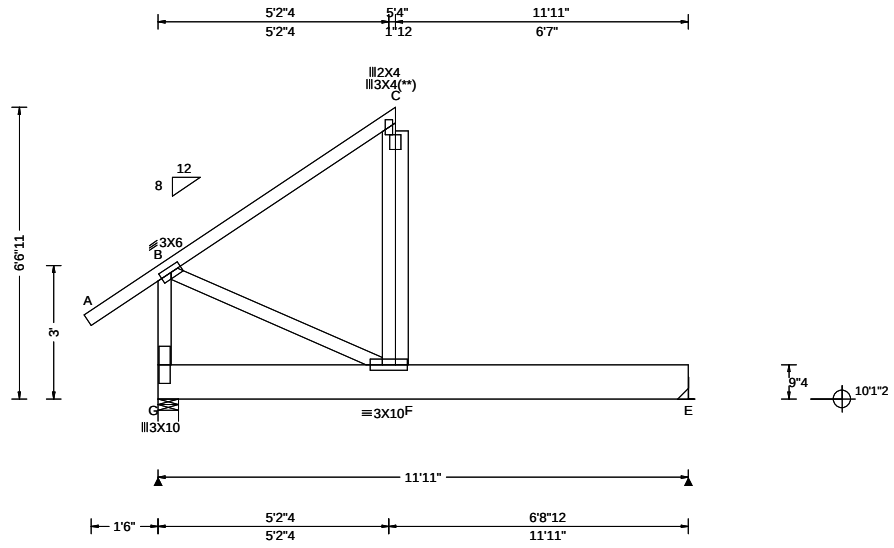
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 198541 MONO FROM: RNB	Ply: 1 Qty: 1	**Job Number:** B57122RR Lay Res **Truss Label:** M2		Cust: R 857 JRef:1XZ98570007 T7 DrwNo: 115.24.1536.30487 GA / FV 04/24/2024	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 125 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/0(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.173 F 825 360 VERT(CL): 0.286 F 499 240 HORZ(LL): 0.184 C - - HORZ(TL): 0.304 C - - Creep Factor: 2.0 Max TC CSI: 0.391 Max BC CSI: 0.603 Max Web CSI: 0.441 VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	689	/-	/0	/263	/50	/181
E	808	/-	/-	/178	/95	/-

Wind reactions based on MWFRS
G Brg Wid = 5.5 Min Req = 1.5 (Support)
E Brg Wid = - Min Req = -
Bearing G Fcperp = 425psi.
Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x10 SP SS Dense;
Webs: 2x4 SP #3;

Special Loads

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

TC: From	57 plf at	-1.66 to	57 plf at	5.33
BC: From	5 plf at	-1.66 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	5.33
BC: From	74 plf at	5.33 to	74 plf at	11.92
PLB: From	80 plf at	5.62 to	80 plf at	11.92

Plating Notes

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

Plates sized for a minimum of 3.50 sq.in./piece.

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	75	-1.58	5.33
BC	79	0.00	11.92

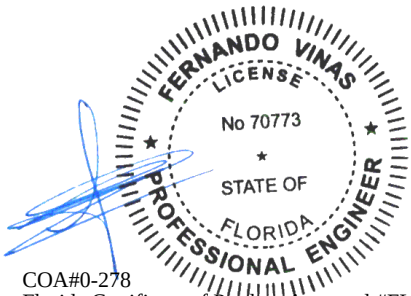
Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

Wind

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



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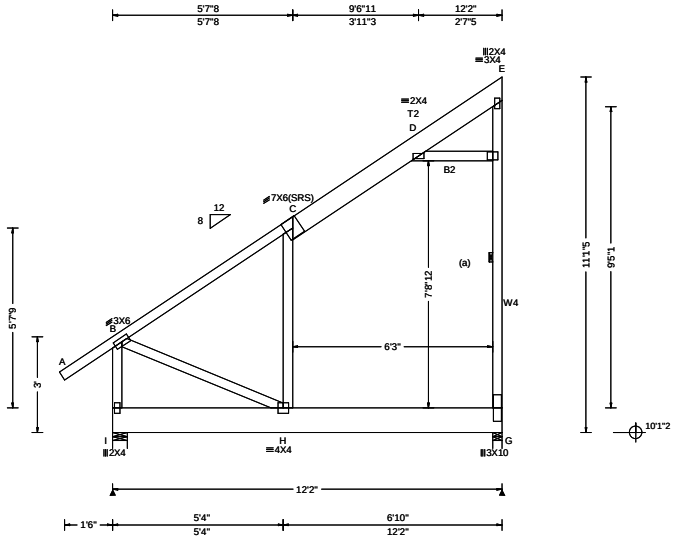
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 22653 MONO FROM: RNB	Ply: 1 Qty: 5	**Job Number:** B57122RR Lay Res **Truss Label:** M3		Cust: R 857 JRef:1XZ98570007 T10 DrwNo: 115.24.1514.45497 GA / FV 04/24/2024	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 7.00	Speed: 125 mph	Pf: NA Ce: NA	VERT(LL): 0.193 C 756 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.379 C 384 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.208 C - -
Des Ld: 37.00	EXP: B Kzt: NA		HORZ(TL): 0.408 C - -
NCBCLL: 10.00	Mean Height: 16.60 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 4.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.400
Load Duration: 1.25	BCDL: 6.0 psf	TPI Std: 2014	Max BC CSI: 0.541
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.239
	C&C Dist a: 3.00 ft	FT/RT:20(0)/0(0)	
	Loc. from endwall: not in 9.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 23.02.01A.1204.18
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
I	817	/-	/-	/304	/-	/146
G	1157	/-	/-	/324	/38	/-

Wind reactions based on MWFRS
I Brg Wid = 5.5 Min Req = 1.5 (Support)
G Brg Wid = 3.5 Min Req = 1.5 (Support)
Bearings I & G Fcperp = 425psi.
Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1; T2 2x8 SP SS Dense;
Bot chord: 2x10 SP SS Dense; B2 2x4 SP #1;
Webs: 2x4 SP #3; W4 2x4 SP SS Dense;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

Plates sized for a minimum of 3.50 sq.in./piece.

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	75	-1.58	12.17
BC	71	0.00	12.17
BC	33	9.39	12.17

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

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

Loading

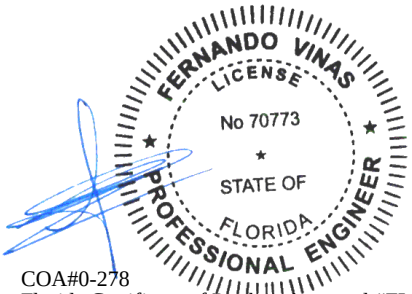
Attic room loading from 5-7-8 to 11-10-8: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

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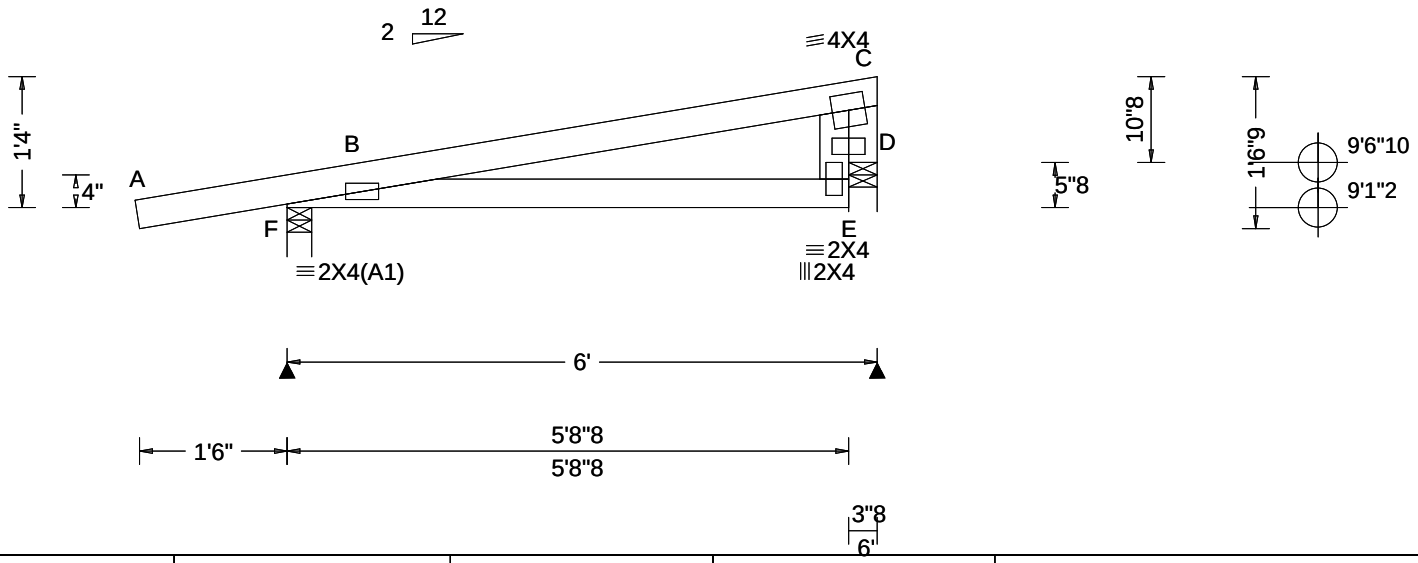
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 22609 MONO FROM: RNB	Ply: 1 Qty: 15	**Job Number:** B57122RR Lay Res **Truss Label:** M4		Cust: R 857 JRef:1XZ98570007 T31 DrwNo: 115.24.1514.47803 GA / FV 04/24/2024	



Loading Criteria (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 125 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

Building Code:
FBC 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/0(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	NA		
VERT(CL):	NA		
HORZ(LL):	0.005 B	-	-
HORZ(TL):	0.008 B	-	-

Creep Factor: 2.0
Max TC CSI: 0.226
Max BC CSI: 0.178
Max Web CSI: 0.191

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	323	/-	/-	/150	/49	/35
D	205	/-	/-	/98	/9	/-

Wind reactions based on MWFRS
F Brg Wid = 3.0 Min Req = 1.5 (Support)
D Brg Wid = 3.5 Min Req = 1.5 (Support)
Bearing D is a rigid surface.
Bearing F Fcperp = 425psi.
Members not listed have forces less than 375#

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.
C - D	507 -572

Lumber
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Rt Bearing Leg: 2x4 SP #3;

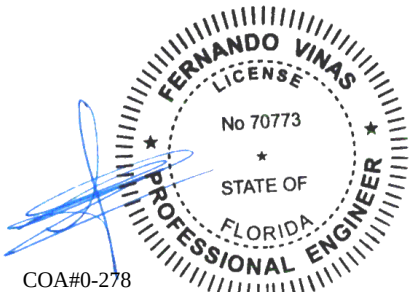
Plating Notes
Plates sized for a minimum of 3.50 sq.in./piece.

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	75	-1.52	6.00
BC	67	0.13	5.71

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

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



COA#0-278
Florida Certificate of Product Approval #FL1999
04/24/2024

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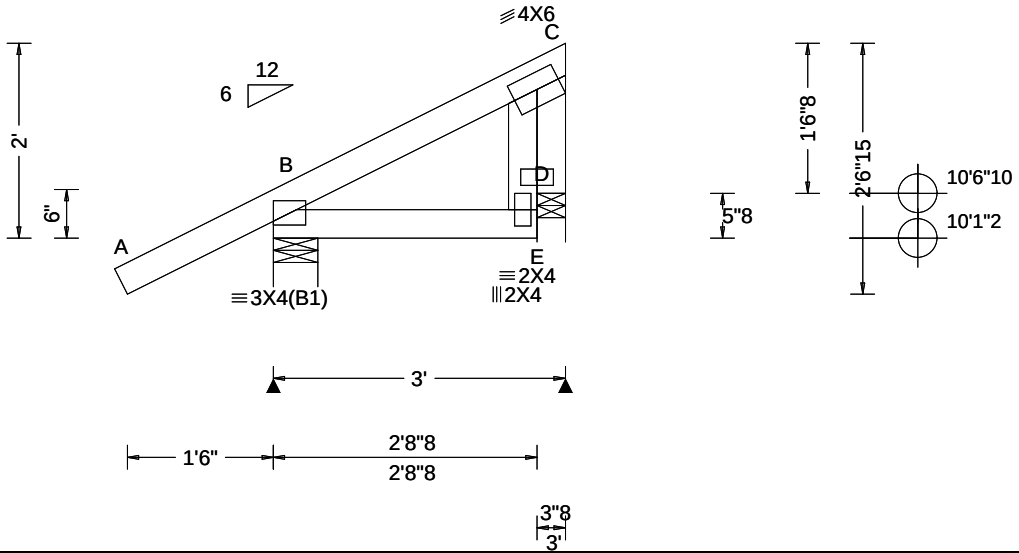
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 22610 MONO FROM: RNB	Ply: 1 Qty: 7	**Job Number:** B57122RR Lay Res **Truss Label:** M5		Cust: R 857 JRef:1XZ98570007 T18 DrwNo: 115.24.1514.53477 GA / FV 04/24/2024	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 125 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 6.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/0(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.001 C - - HORZ(TL): 0.001 C - - Creep Factor: 2.0 Max TC CSI: 0.130 Max BC CSI: 0.042 Max Web CSI: 0.038 VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	236	/-	/-	/134	/18	/49
D	79	/-	/-	/49	/6	/-

Wind reactions based on MWFRS
B Brg Wid = 5.5 Min Req = 1.5 (Support)
D Brg Wid = 3.5 Min Req = 1.5 (Support)
Bearing D is a rigid surface.
Bearing B Fcperp = 425psi.
Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Rt Bearing Leg: 2x4 SP #3;

Plating Notes

Plates sized for a minimum of 3.50 sq.in./piece.

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	61	-1.57	3.00
BC	31	0.12	2.71

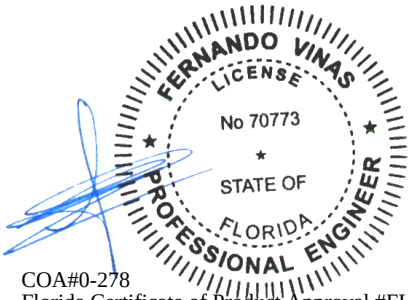
Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



COA#0-278
Florida Certificate of Product Approval #FL1999
04/24/2024

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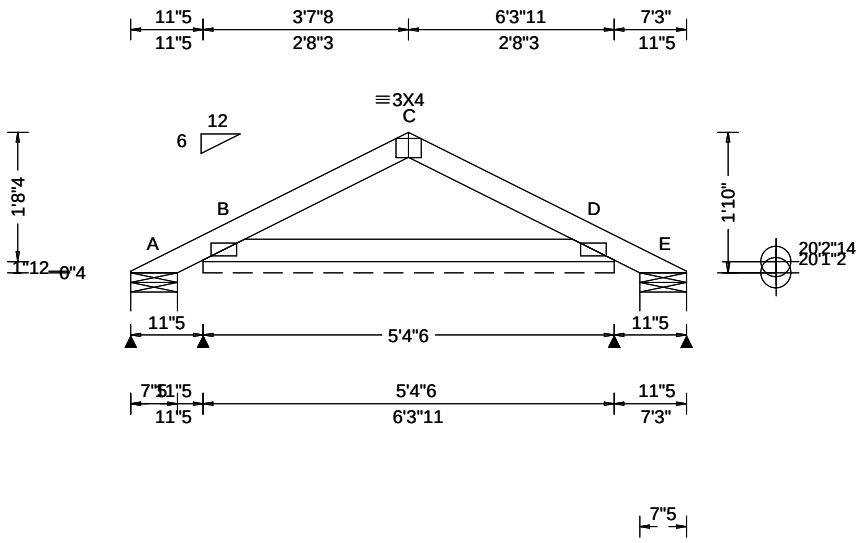
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 22611 COMN FROM: RNB	Ply: 1 Qty: 13	**Job Number:** B57122RR Lay Res **Truss Label:** PB1		Cust: R 857 JRef:1XZ98570007 T33 DrwNo: 115.24.1514.58787 GA / FV 04/24/2024	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 7.00	Speed: 125 mph	Pf: NA Ce: NA	VERT(LL): 0.001 C 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.002 C 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 D - -
Des Ld: 37.00	EXP: B Kzt: NA		HORZ(TL): 0.001 D - -
NCBCLL: 10.00	Mean Height: 16.34 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 4.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.035
Load Duration: 1.25	BCDL: 6.0 psf	TPI Std: 2014	Max BC CSI: 0.048
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.000
	C&C Dist a: 3.00 ft	FT/RT:20(0)/0(0)	
	Loc. from endwall: not in 13.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 23.02.01A.1204.18
	Wind Duration: 1.60		

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	-	/-2	/-	/12	/25	/28
B*	74	/-	/-	/52	/1	/-
E	-	/-2	/-	/-	/13	/-

Wind reactions based on MWFRS
A Brg Wid = 7.3 Min Req = 1.5 (Truss)
B Brg Wid = 64.3 Min Req = -
E Brg Wid = 7.3 Min Req = 1.5
Bearings A, B, & E are a rigid surface.
Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;

Plating Notes

All plates are 2X4(A1) except as noted.

Plates sized for a minimum of 3.50 sq.in./piece.

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	45	-0.66	2.68
TC	45	2.68	6.02
BC	61	0.15	5.22

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

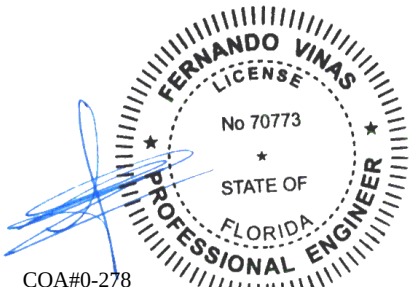
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

Refer to DWG PB160220723 for piggyback details.



COA#0-278
Florida Certificate of Product Approval #FL1999
04/24/2024

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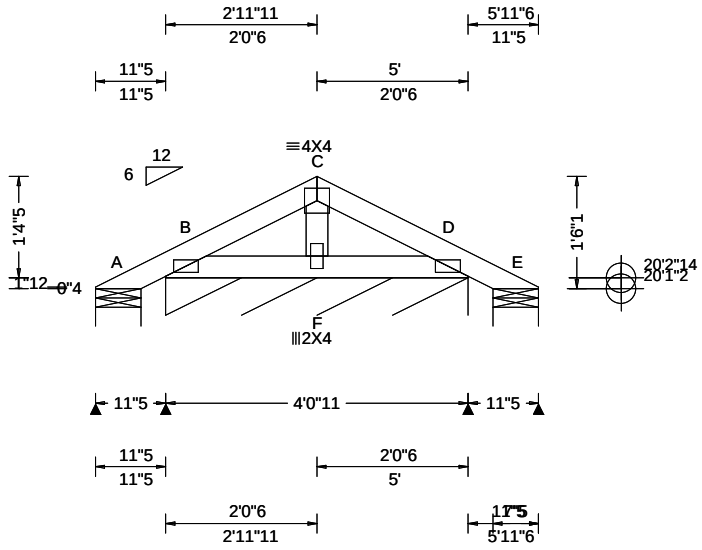
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 22612 GABL FROM: RNB	Ply: 1 Qty: 2	**Job Number:** B57122RR Lay Res **Truss Label:** PBG1		Cust: R 857 JRef:1XZ98570007 T21 DrwNo: 115.24.1515.02417 GA / FV 04/24/2024	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	37.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 125 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 20.86 ft
TCDL: 4.2 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 5.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

Building Code:
FBC 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/0(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

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

Creep Factor: 2.0
Max TC CSI: 0.032
Max BC CSI: 0.024
Max Web CSI: 0.014

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	10	/0	/-	/11	/11	/24
B*	93	/-	/-	/45	/42	/-
E	10	/0	/-	/3	/10	/-

Wind reactions based on MWFRS
A Brg Wid = 7.3 Min Req = 1.5 (Truss)
B Brg Wid = 48.7 Min Req = -
E Brg Wid = 7.3 Min Req = 1.5 (Truss)
Bearings A, B, & E are a rigid surface.
Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Plating Notes

All plates are 2X4(A1) except as noted.

Plates sized for a minimum of 3.50 sq.in./piece.

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	36	-0.66	2.03
TC	36	2.03	4.72
BC	45	0.15	3.91

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

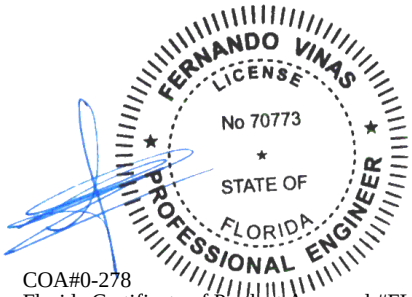
Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 6.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

Wind loading based on both gable and hip roof types.



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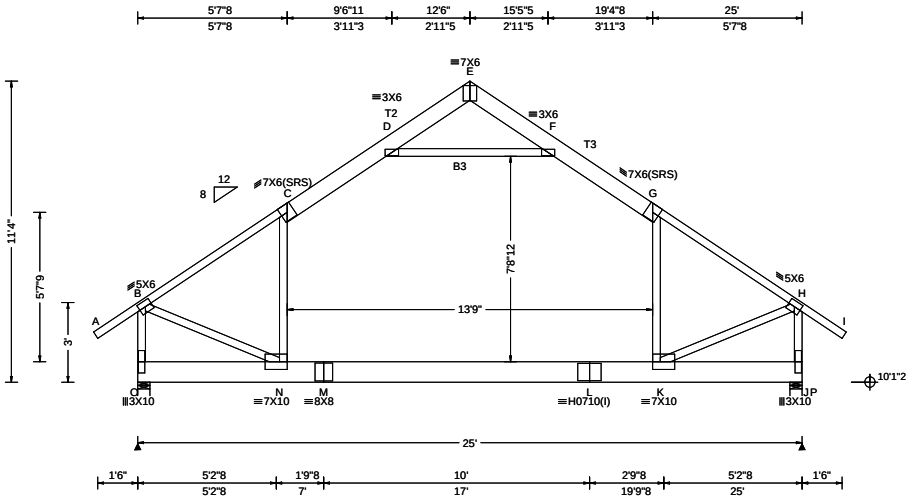
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 22624 COMN	Ply: 3	**Job Number:** B57122RR		Cust: R 857 JRef:1XZ98570007 T6	
FROM: RNB	Qty: 2	Lay Res		DrwNo: 115.24.1516.24670	
Page 1 of 2		**Truss Label:** SGT1		GA / FV 04/24/2024	

3 Complete Trusses Required



Loading Criteria (psf)

TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	37.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 125 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 16.71 ft
TCDL: 4.2 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

Building Code:
FBC 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/0(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.353	G	849	360
VERT(CL): 0.562	G	534	240
HORZ(LL): -0.344	G	-	-
HORZ(TL): 0.548	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.999
Max BC CSI: 0.701
Max Web CSI: 0.794

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity	
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
O	5816 /-	/-	/-	/994	/-
P	5933 /-	/-	/-	/808	/-

Wind reactions based on MWFRS
O Brg Wid = 5.5 Min Req = 2.8 (Support)
P Brg Wid = 5.5 Min Req = 2.9 (Support)
Bearings O & P Fcperp = 425psi.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	314	- 2037	E - F	1433	- 208
C - D	223	- 1435	F - G	224	- 1433
D - E	1431	- 208	G - H	309	- 2003

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
N - M	1607	- 226	L - K	1607	- 226
M - L	1607	- 226			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - O	304	- 1977	G - K	1014	- 143
B - N	1798	- 261	K - H	1747	- 255
N - C	986	- 147	H - J	300	- 1956
D - F	496	- 3328			

Lumber

Top chord: 2x4 SP #1; T2,T3 2x8 SP SS Dense;
Bot chord: 2x10 SP SS Dense; B3 2x4 SP #1;
Webs: 2x4 SP #3;

Nailnote

Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 3.50" o.c.
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

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

TC: From	57 plf at	-1.66 to	57 plf at	26.66
PLT: From	23 plf at	5.92 to	23 plf at	9.27
PLT: From	20 plf at	9.34 to	20 plf at	15.66
PLT: From	23 plf at	15.73 to	23 plf at	19.08
PLT: From	100 plf at	5.63 to	100 plf at	19.38
BC: From	5 plf at	-1.66 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	25.00
BC: From	5 plf at	25.00 to	5 plf at	26.66

BC: 467 lb Conc. Load at 1.33, 2.67, 4.00, 5.33
BC: 113 lb Conc. Load at 5.63,19.38
BC: 347 lb Conc. Load at 6.67, 8.00, 9.33,10.67 12.00,13.33,14.67,16.00,17.33,18.67
BC: 2571 lb Conc. Load at 19.50

Wind

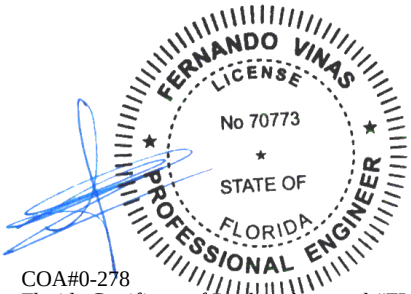
Wind loads and reactions based on MWFRS.
End verticals not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Plating Notes

(I) - plates so marked were sized using 0% Fabrication Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance.

Plates sized for a minimum of 3.50 sq.in./piece.

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



COA#0-278
Florida Certificate of Product Approval #FL1999
04/24/2024

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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: 22624 COMN	Ply: 3	**Job Number:** B57122RR	Cust: R 857 JRef:1XZ98570007 T6
FROM: RNB	Qty: 2	Lay Res	DrwNo: 115.24.1516.24670
Page 2 of 2		**Truss Label:** SGT1	GA / FV 04/24/2024

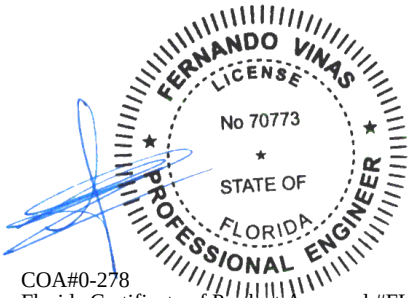
Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	100	-1.58	12.50
BC	120	0.00	25.00
BC	75	9.39	15.61

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

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



COA#0-278
Florida Certificate of Product Approval #FL1999
04/24/2024

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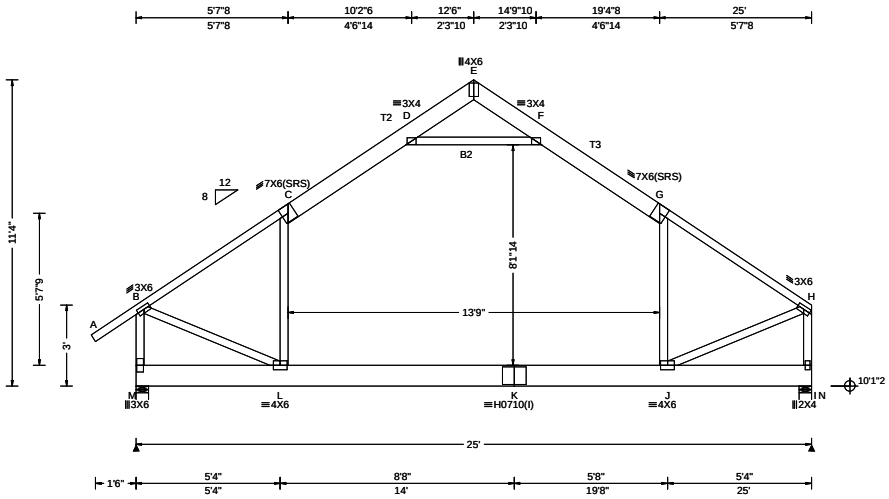
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 22623 COMN FROM: RNB	Ply: 2 Qty: 1	**Job Number:** B57122RR Lay Res **Truss Label:** SGT2		Cust: R 857 JRef:1XZ98570007 T9 DrwNo: 115.24.1516.41483 GA / FV 04/24/2024	

2 Complete Trusses Required



Loading Criteria (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 125 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 16.71 ft
TCDL: 4.2 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

Building Code:
FBC 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/0(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.137	G	999	360
VERT(CL): 0.324	G	926	240
HORZ(LL): -0.136	G	-	-
HORZ(TL): 0.323	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.997
Max BC CSI: 0.554
Max Web CSI: 0.413

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

		Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh		/ Rw	/ U	/ RL
M	1910	/-	/-		/546	/43	/249
N	1944	/-	/-		/483	/20	/-

Wind reactions based on MWFRS
M Brg Wid = 5.5 Min Req = 1.6 (Support)
N Brg Wid = 5.5 Min Req = 1.7 (Support)
Bearings M & N Fcperp = 425psi.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	17	-987	E - F	925	0
C - D	64	-746	F - G	67	-747
D - E	923	0	G - H	15	-990

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
L - K	775	-14	K - J	775	-14

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - M	43	-996	G - J	462	-24
B - L	866	-2	J - H	864	-1
L - C	455	-16	H - I	21	-949
D - F	73	-1885			

Lumber

Top chord: 2x4 SP #1; T2,T3 2x8 SP SS Dense;
Bot chord: 2x10 SP SS Dense; B2 2x4 SP #1;
Webs: 2x4 SP #3;

Nailnote

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

Plating Notes

(I) - plates so marked were sized using 0% Fabrication Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance.

Plates sized for a minimum of 3.50 sq.in./piece.

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	109	-1.58	12.50
TC	106	12.50	25.00
BC	120	0.00	25.00
BC	59	10.03	14.97

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

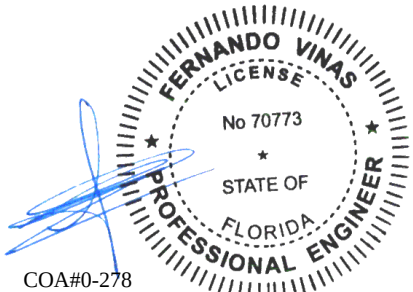
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Wind

Wind loads based on MWFRS.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



COA#0-278
Florida Certificate of Product Approval #FL1999
04/24/2024

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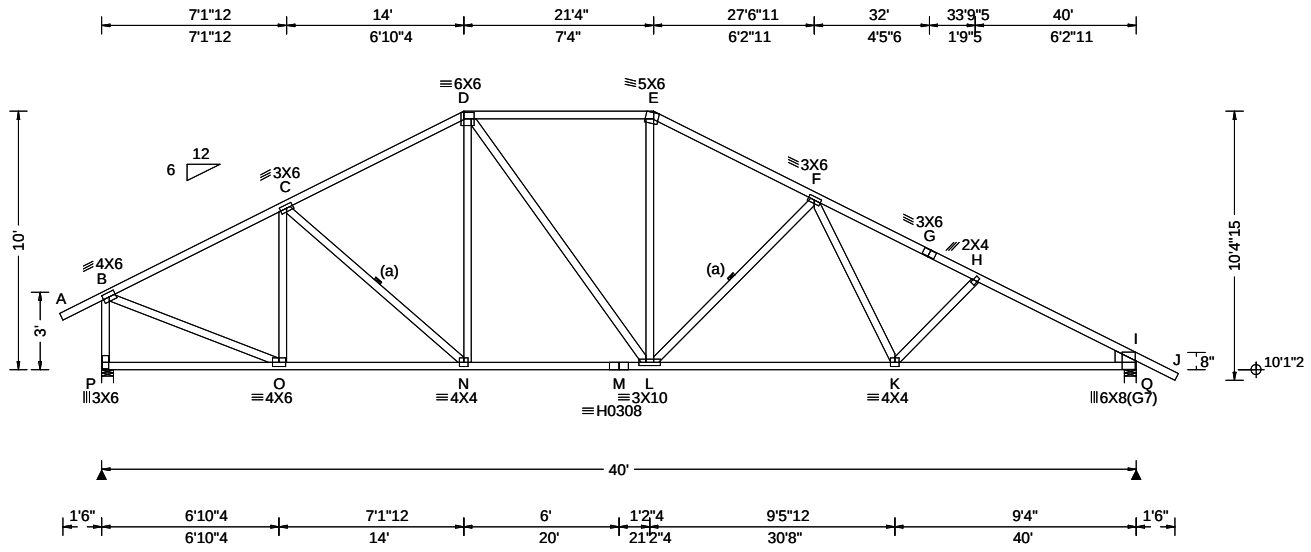
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 22613 COMN FROM: RNB	Ply: 1 Qty: 6	**Job Number:** B57122RR Lay Res **Truss Label:** T1	Cust: R 857 JRef:1XZ98570007 T20 DrwNo: 115.24.1517.20933 GA / FV 04/24/2024	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	37.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 125 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.02 ft
TCDL: 4.2 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 4.00 ft
Loc. from endwall: not in 6.50 ft
GCpi: 0.18
Wind Duration: 1.60

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

Building Code:
FBC 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/0(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.158	F	999	360
VERT(CL): 0.268	F	999	240
HORZ(LL): 0.061	I	-	-
HORZ(TL): 0.103	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.995
Max BC CSI: 0.835
Max Web CSI: 0.689

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
P	1835	/-	/-	/817	/29	/228
Q	1796	/-	/-	/861	/31	/-

Wind reactions based on MWFRS
P Brg Wid = 5.5 Min Req = 2.3 (Support)
Q Brg Wid = 5.5 Min Req = 2.3 (Support)
Bearings P & Q Fcperp = 425psi.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	198	- 1980	F - G	223	- 2833
C - D	268	- 2011	G - H	205	- 2879
D - E	273	- 1872	H - I	225	- 3102
E - F	271	- 2162			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
O - N	1716	- 72	L - K	2314	- 83
N - M	1718	- 43	K - I	2675	- 128
M - L	1718	- 43			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - P	194	- 1782	L - E	554	0
B - O	1809	- 108	L - F	89	- 642
O - C	134	- 429	F - K	466	0

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Rt Stub Wedge: 2x6 SP #1;

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Plating Notes

Plates sized for a minimum of 3.50 sq.in./piece.

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	47	-1.57	14.00
TC	24	14.00	21.33
TC	36	21.33	41.57
BC	120	0.00	40.00

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

Loading

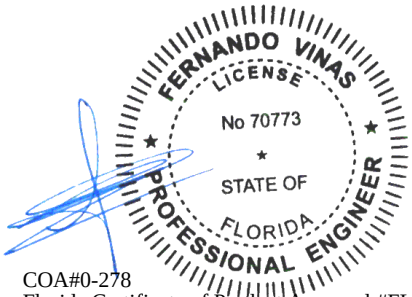
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



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Florida Certificate of Product Approval #FL1999
04/24/2024

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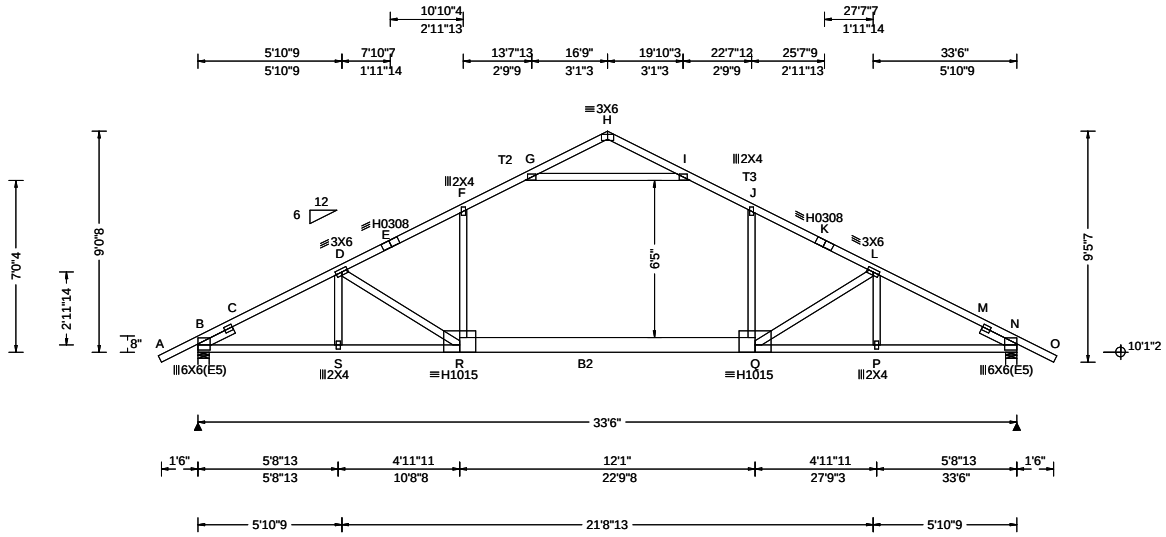
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 22614 COMN FROM: RNB	Ply: 1 Qty: 6	**Job Number:** B57122RR Lay Res **Truss Label:** T2		Cust: R 857 JRef:1XZ98570007 T4 DrwNo: 115.24.1518.14220 GA / FV 04/24/2024	



Loading Criteria (psf)

TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria

Wind Std: ASCE 7-22
Speed: 125 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.35 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)

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

Building Code:
FBC 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/0(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.711	J	565	360
VERT(CL): 1.312	J	306	240
HORZ(LL): 0.348	F	-	-
HORZ(TL): 0.642	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.989
Max BC CSI: 0.745
Max Web CSI: 0.449

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1591	/-	/-	/713	/-	/162
N	1591	/-	/-	/713	/-	/-

Wind reactions based on MWFRS
B Brg Wid = 5.5 Min Req = 2.0 (Support)
N Brg Wid = 5.5 Min Req = 2.0 (Support)
Bearings B & N Fcperp = 425psi.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	187	- 2814	H - I	608	0
C - D	88	- 2689	I - J	169	- 1850
D - E	109	- 2310	J - K	121	- 2259
E - F	122	- 2259	K - L	109	- 2310
F - G	169	- 1850	L - M	88	- 2689
G - H	608	0	M - N	187	- 2814

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - S	2358	- 22	Q - P	2357	- 18
S - R	2357	- 22	P - N	2358	- 17
R - Q	1903	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - R	70	- 645	J - Q	730	0
R - F	730	0	Q - L	77	- 645
G - I	108	- 2583			

Lumber

Top chord: 2x4 SP #1; T2,T3 2x4 SP SS Dense;
Bot chord: 2x4 SP #1; B2 2x8 SP SS Dense;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.585'
Rt Slider: 2x4 SP #3; block length = 1.585'

Plating Notes

All plates are 3X4 except as noted.

Plates sized for a minimum of 3.50 sq.in./piece.

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	33	-1.57	16.75
TC	33	16.75	35.07
BC	120	0.00	33.50

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

Loading

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

Wind

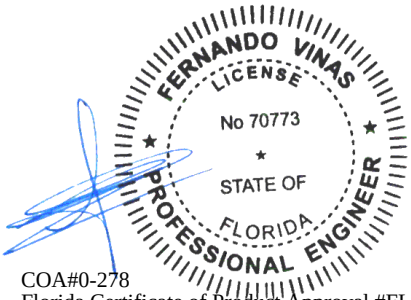
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Special loads

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

TC: From	56 plf at	-1.63 to	56 plf at	35.13
PLB: From	40 plf at	11.00 to	40 plf at	22.50
BC: From	4 plf at	-1.63 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	33.50
BC: From	4 plf at	33.50 to	4 plf at	35.13



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04/24/2024

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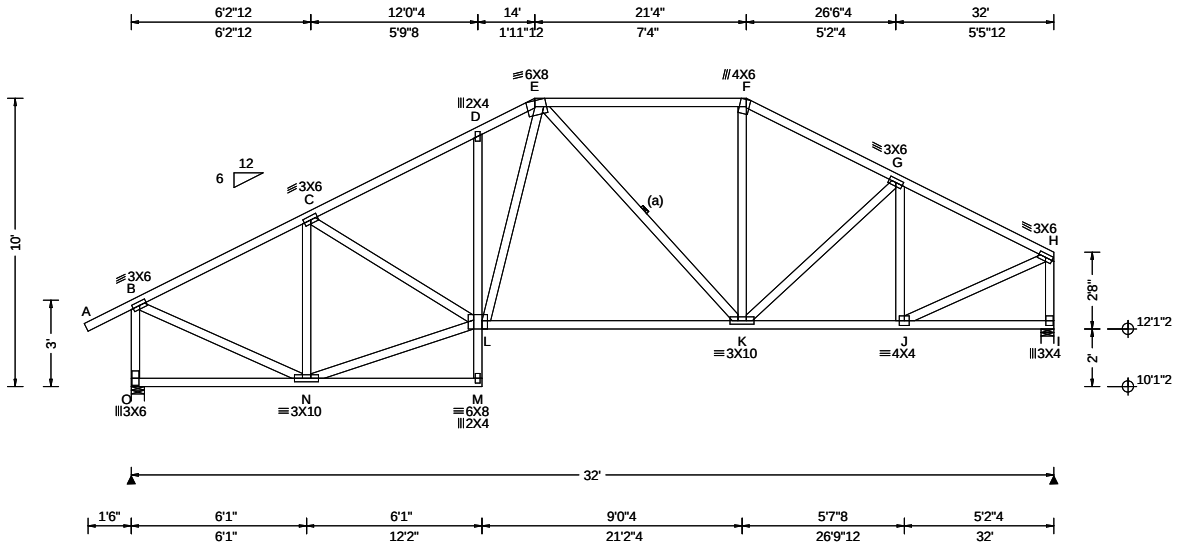
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 22615 COMN FROM: RNB	Ply: 1 Qty: 6	**Job Number:** B57122RR Lay Res **Truss Label:** T3		Cust: R 857 JRef:1XZ98570007 T35 DrwNo: 115.24.1519.03803 GA / FV 04/24/2024	



Loading Criteria (psf)

TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria

Wind Std: ASCE 7-22
Speed: 125 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 16.19 ft
TCDL: 4.2 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.20 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)

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

Building Code:
FBC 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/0(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.074	D	999	360
VERT(CL): 0.131	D	999	240
HORZ(LL): 0.034	I	-	-
HORZ(TL): 0.060	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.979
Max BC CSI: 0.806
Max Web CSI: 0.529

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
O	1396	/-	/-	/676	/-	/201
I	1292	/-	/-	/588	/-	/-

Wind reactions based on MWFRS
O Brg Wid = 5.5 Min Req = 1.8 (Support)
I Brg Wid = 5.2 Min Req = 1.6 (Support)
Bearings O & I Fcperp = 425psi.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	170	-1377	E - F	258	-1297
C - D	302	-1830	F - G	259	-1506
D - E	334	-1758	G - H	188	-1362

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
L - K	1413	-246	K - J	1187	-172

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - O	194	-1346	L - E	619	-37
B - N	1268	-104	G - J	122	-472
N - C	179	-806	J - H	1264	-155
N - L	1274	-223	H - I	172	-1236
C - L	449	-47			

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 2x4 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

Plating Notes

Plates sized for a minimum of 3.50 sq.in./piece.

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	51	-1.57	14.00
TC	24	14.00	21.33
TC	59	21.33	32.00
BC	75	0.00	12.02
BC	120	12.00	32.00

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

Loading

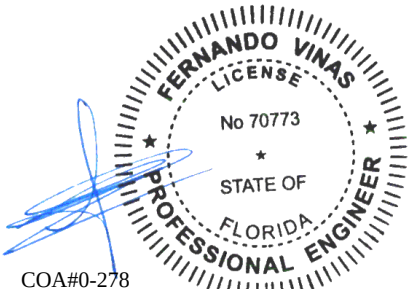
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



COA#0-278
Florida Certificate of Product Approval #FL1999
04/24/2024

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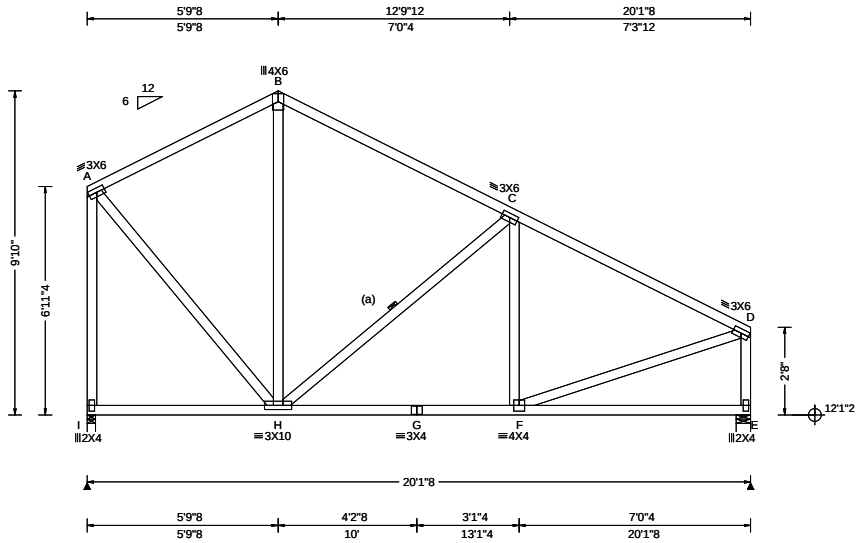
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 22616 COMN FROM: RNB	Ply: 1 Qty: 3	**Job Number:** B57122RR Lay Res **Truss Label:** T4		Cust: R 857 JRef:1XZ98570007 T23 DrwNo: 115.24.1519.06557 GA / FV 04/24/2024	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	37.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 125 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 18.34 ft
TCDL: 4.2 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

Building Code:
FBC 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/0(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.022	C	999	360
VERT(CL): 0.038	C	999	240
HORZ(LL): 0.006	B	-	-
HORZ(TL): 0.011	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.983
Max BC CSI: 0.358
Max Web CSI: 0.695

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
I	887	/-	/-	/396	/-	/238
E	824	/-	/-	/389	/-	/-

Wind reactions based on MWFRS
I Brg Wid = 3.0 Min Req = 1.5 (Support)
E Brg Wid = 5.2 Min Req = 1.5 (Support)
Bearings I & E Fcperp = 425psi.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	145	-503	C - D	100	-893
B - C	156	-540			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
H - G	732	-90	G - F	732	-90

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - I	128	-784	F - D	746	-60
A - H	605	-102	D - E	106	-771
H - C	119	-436			

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Plating Notes

Plates sized for a minimum of 3.50 sq.in./piece.

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	75	0.00	5.79
TC	75	5.79	20.13
BC	120	0.00	20.13

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

Loading

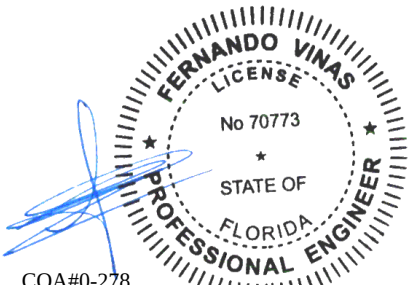
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



COA#0-278
Florida Certificate of Product Approval #FL1999
04/24/2024

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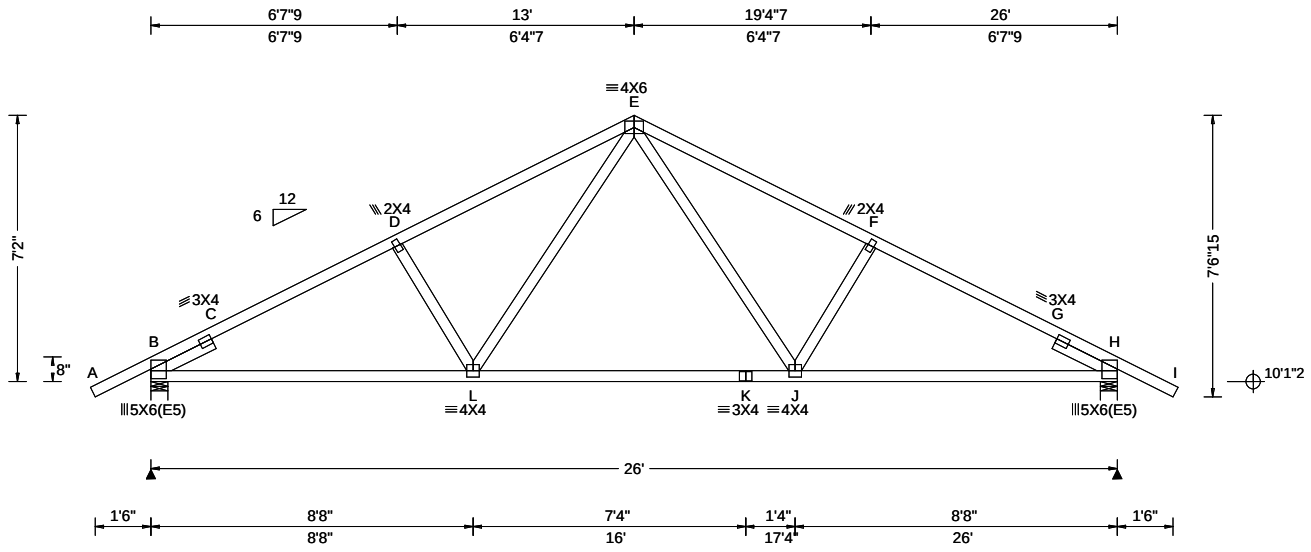
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 22617 COMN FROM: RNB	Ply: 1 Qty: 2	**Job Number:** B57122RR Lay Res **Truss Label:** T5	Cust: R 857 JRef:1XZ98570007 T24 DrwNo: 115.24.1531.07980 GA / FV 04/24/2024	



Loading Criteria (psf)
TCLL: 20.00
TCDL: 7.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 37.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 125 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

Building Code:
FBC 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/0(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.066	L	999	360
VERT(CL): 0.115	L	999	240
HORZ(LL): 0.028	C	-	-
HORZ(TL): 0.049	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.959
Max BC CSI: 0.647
Max Web CSI: 0.235

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1151	/-	/-	/562	/22	/130
H	1151	/-	/-	/562	/22	/-

Wind reactions based on MWFRS
B Brg Wid = 5.5 Min Req = 1.5 (Support)
H Brg Wid = 5.5 Min Req = 1.5 (Support)
Bearings B & H Fcperp = 425psi.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	419	-1985	E - F	292	-1611
C - D	275	-1754	F - G	274	-1754
D - E	292	-1611	G - H	420	-1986

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - L	1519	-153	K - J	1045	-31
L - K	1045	-31	J - H	1519	-157

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
L - E	603	-61	E - J	603	-61

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.839'
Rt Slider: 2x4 SP #3; block length = 1.839'

Plating Notes

Plates sized for a minimum of 3.50 sq.in./piece.

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	54	-1.57	13.00
TC	54	13.00	27.57
BC	120	0.00	26.00

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

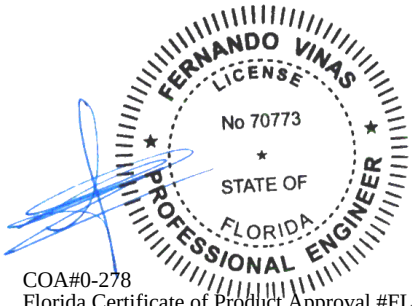
Loading

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

Wind

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

Wind loading based on both gable and hip roof types.



COA#0-278
Florida Certificate of Product Approval #FL1999
04/24/2024

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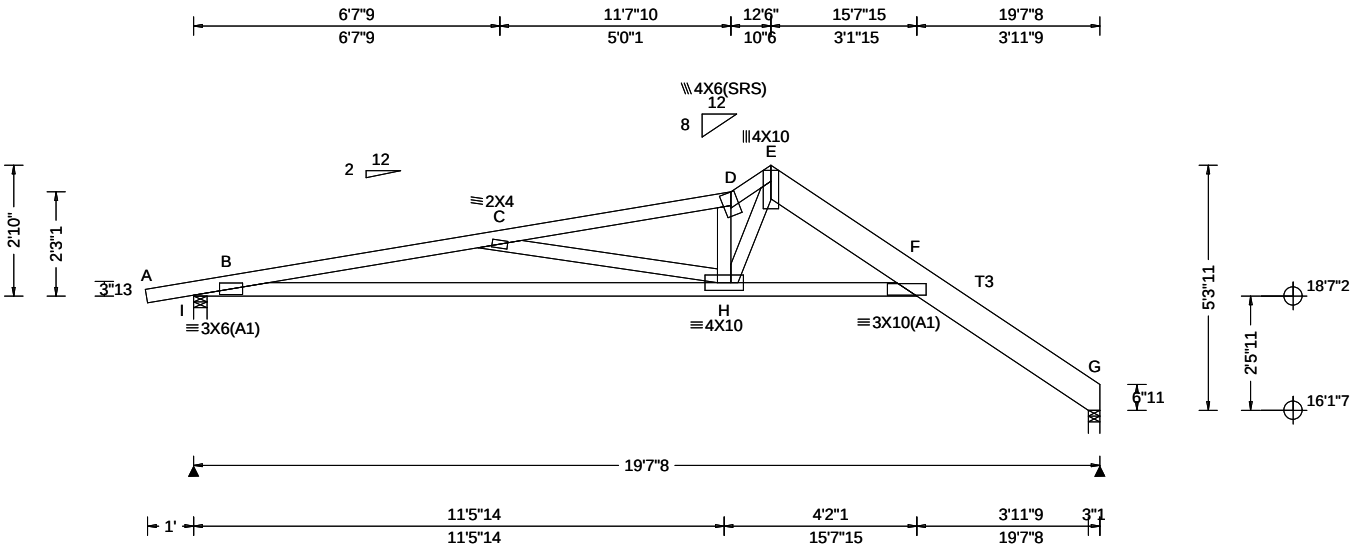
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 22618 COMN FROM: RNB	Ply: 1 Qty: 4	**Job Number:** B57122RR Lay Res **Truss Label:** T6		Cust: R 857 JRef:1XZ98570007 T2 DrwNo: 115.24.1531.10360 GA / FV 04/24/2024	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	37.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 125 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 19.05 ft
TCDL: 4.2 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

Building Code:
FBC 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/0(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.287	D	803	360
VERT(CL): 0.506	D	455	240
HORZ(LL): 0.033	C	-	-
HORZ(TL): 0.059	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.984
Max BC CSI: 0.816
Max Web CSI: 0.532

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
I	783	/-	/-	/357	/66	/67
G	675	/-	/-	/337	/50	/-

Wind reactions based on MWFRS
I Brg Wid = 3.5 Min Req = 1.5 (Support)
G Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearing G is a rigid surface.
Bearing I Fcperp = 425psi.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	256	- 2695	D - E	127	- 2042
C - D	80	- 1833	E - F	61	- 1359

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - H	2646	- 178	H - F	1412	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - H	200	- 884	H - E	1109	- 53
H - D	112	- 719			

Lumber

Top chord: 2x4 SP #1; T3 2x8 SP SS Dense;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Plating Notes

Plates sized for a minimum of 3.50 sq.in./piece.

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

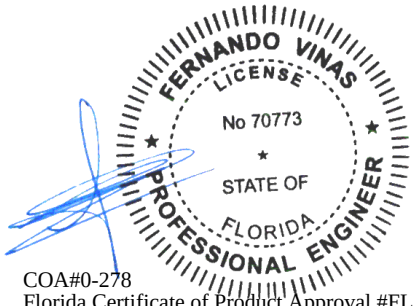
Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	38	-1.02	11.63
TC	12	11.63	12.50
TC	61	12.50	19.63
BC	120	0.15	15.61

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

Wind

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

Wind loading based on both gable and hip roof types.



COA#0-278
Florida Certificate of Product Approval #FL1999
04/24/2024

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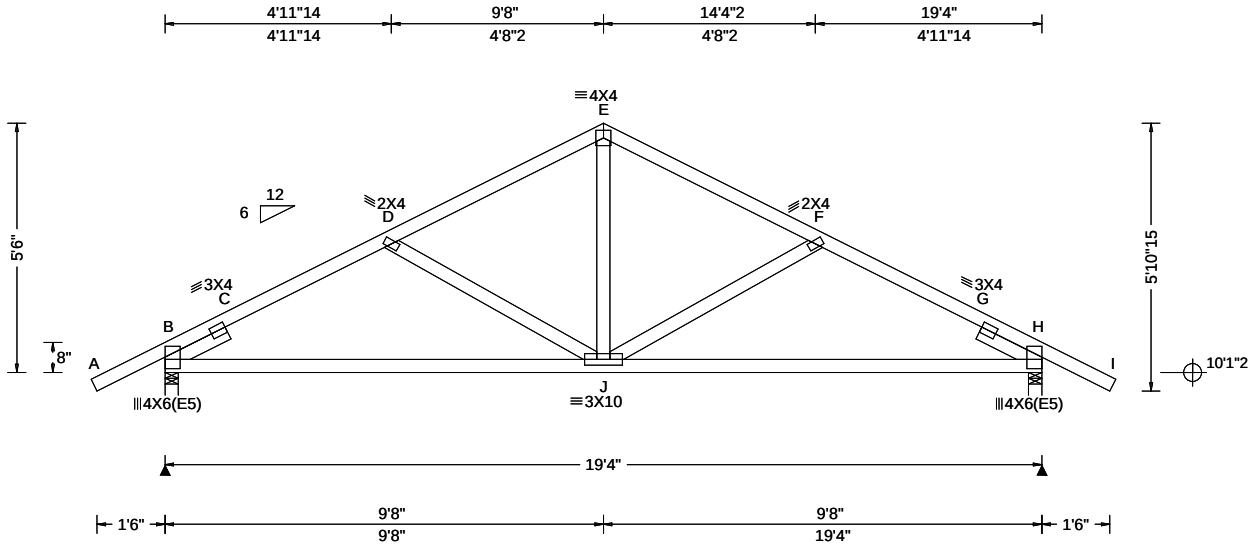
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 22619 COMN FROM: RNB	Ply: 1 Qty: 10	**Job Number:** B57122RR Lay Res **Truss Label:** T8		Cust: R 857 JRef:1XZ98570007 T27 DrwNo: 115.24.1531.12133 GA / FV 04/24/2024	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	37.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 125 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 4.2 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

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

Building Code:
FBC 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/0(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.029	J	999	360
VERT(CL): 0.054	J	999	240
HORZ(LL): 0.013	H	-	-
HORZ(TL): 0.025	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.991
Max BC CSI: 0.660
Max Web CSI: 0.446

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	825	/-	/-	/433	/20	/103
H	825	/-	/-	/433	/20	/-

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.5 (Support)
H Brg Wid = 3.5 Min Req = 1.5 (Support)
Bearings B & H Fcperp = 425psi.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	444	- 1388	E - F	164	- 867
C - D	220	- 1105	F - G	220	- 1105
D - E	164	- 867	G - H	444	- 1388

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - J	954	- 115	J - H	954	- 119

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
E - J	516	- 17

Lumber
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.500'
Rt Slider: 2x4 SP #3; block length = 1.500'

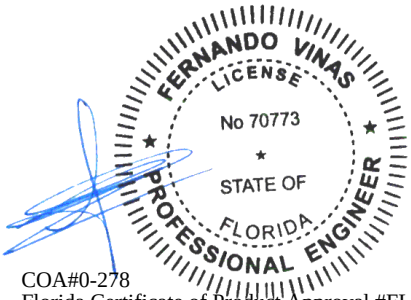
Plating Notes
Plates sized for a minimum of 3.50 sq.in./piece.

Purlins
In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	68	-1.57	9.67
TC	68	9.67	20.90
BC	120	0.00	19.33

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

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



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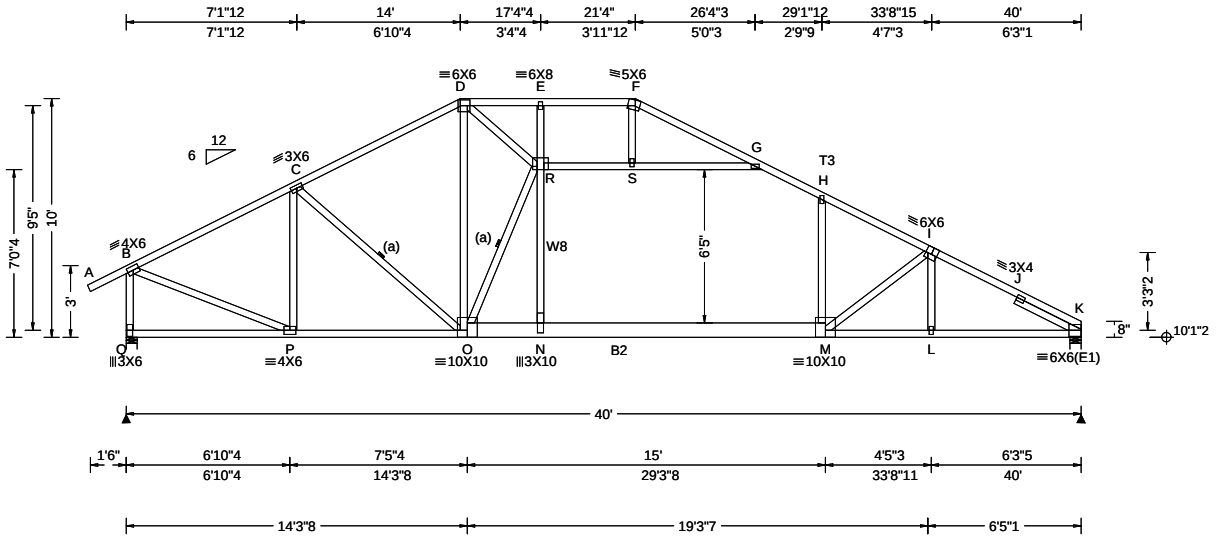
Glenview, IL 60025

SEQN: 198552 COMN FROM: RNB	Ply: 1 Qty: 1	**Job Number:** B57122RR Lay Res **Truss Label:** T9	Cust: R 857 JRef:1XZ98570007 T34 DrwNo: 115.24.1531.16230 GA / FV 04/24/2024	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	37.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 125 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 16.34 ft
TCDL: 4.2 psf
BCDL: 6.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.00 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

Building Code:
FBC 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/0(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.526	M	912	360
VERT(CL): 0.887	M	541	240
HORZ(LL): -0.200	H	-	-
HORZ(TL): 0.337	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.982
Max BC CSI: 0.988
Max Web CSI: 0.672

VIEW Ver: 23.02.01A.1204.18

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Q	1802	/-	/-	/819	/-	/172
K	1779	/-	/-	/801	/-	/-

Wind reactions based on MWFRS
Q Brg Wid = 5.5 Min Req = 2.3 (Support)
K Brg Wid = 5.5 Min Req = 2.2 (Support)
Bearings Q & K Fcperp = 425psi.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	192	- 1935	G - H	304	- 2500
C - D	275	- 2026	H - I	257	- 2896
D - E	171	- 868	I - J	229	- 3241
E - F	171	- 856	J - K	272	- 3310
F - G	170	- 1055			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
P - O	1680	- 92	M - L	2868	- 158
O - N	2433	- 122	L - K	2871	- 158
N - M	2431	- 123			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - Q	205	- 1745	R - N	893	0
B - P	1765	- 110	R - S	213	- 1572
P - C	140	- 502	S - G	211	- 1582
D - O	1173	- 148	H - M	622	0
D - R	161	- 1149	M - I	65	- 551
O - R	211	- 1631			

Lumber

Top chord: 2x4 SP #1; T3 2x4 SP SS Dense;
Bot chord: 2x4 SP #1; B2 2x8 SP SS Dense;
Webs: 2x4 SP #3; W8 2x4 SP SS Dense;
Rt Slider: 2x4 SP #3; block length = 3.015'

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

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

TC: From	56 plf at	-1.63 to	56 plf at	40.00
BC: From	4 plf at	-1.63 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	17.50
BC: From	60 plf at	17.50 to	60 plf at	29.00
BC: From	20 plf at	29.00 to	20 plf at	40.00

Plating Notes

All plates are 2X4 except as noted.

Plates sized for a minimum of 3.50 sq.in./piece.

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	44	-1.57	14.00
TC	24	14.00	21.33
TC	28	21.33	40.00
BC	120	0.00	40.00
BC	51	17.35	26.41

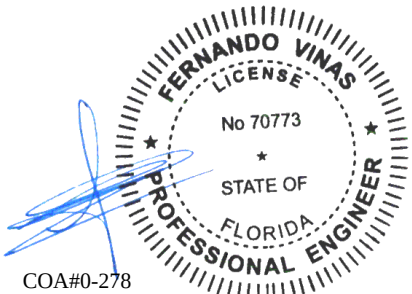
Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

Wind

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



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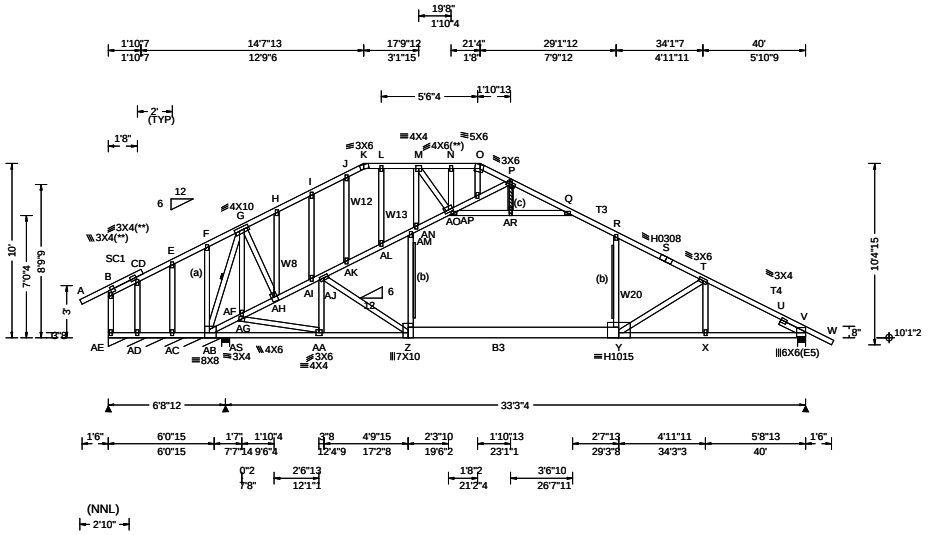
SEQN: 12417 GABL	Ply: 1	**Job Number:** B57122RR		Cust: R 857	JRef:1XZ98570007 T41
FROM: RNB	Qty: 1	Lay Res		DrwNo: 115.24.1536.06830	
Page 1 of 2		**Truss Label:** GE2		GA / FV	04/24/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 7.00	Speed: 125 mph	Pf: NA Ce: NA	VERT(LL): -0.503 R 793 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.953 R 418 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.191 R - -
Des Ld: 37.00	EXP: B Kzt: NA		HORZ(TL): 0.367 R - -
NCBCLL: 10.00	Mean Height: 15.02 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 4.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.997
Load Duration: 1.25	BCDL: 6.0 psf	TPI Std: 2014	Max BC CSI: 0.900
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Varies by Ld Case	Max Web CSI: 0.874
	C&C Dist a: 4.00 ft	FT/RT:20(0)/0(0)	
	Loc. from endwall: not in 10.00 ft	Plate Type(s):	VIEW Ver: 24.01.00A.0411.17
	GCpi: 0.18	WAVE, HS	
	Wind Duration: 1.60		

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
AE*	403	/-	/-	/128	/7	/47
AS	266	/-	/-	/142	/-	/-
V	1934	/-	/-	/802	/2	/-

Wind reactions based on MWFRS
AE Brg Wid = 78.0 Min Req = -
AS Brg Wid = 5.5 Min Req = 1.5 (Truss)
V Brg Wid = 5.5 Min Req = 2.4 (Support)
Bearings AE, AS, & V Fcperp = 425psi.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
G - H	198	- 663	P - Q	250	- 538
H - I	201	- 712	Q - R	337	- 2509
I - J	248	- 701	R - S	286	- 2795
J - K	259	- 629	S - T	273	- 2880
K - L	256	- 567	T - U	262	- 3357
L - M	256	- 566	U - V	249	- 3404

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AB-AA	2377	- 877	Y - X	2932	- 162
AA- Z	2312	- 198	X - V	2934	- 161
Z - Y	2400	- 114			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AB-AF	488	- 969	AL-AM	242	- 2037
AB- G	0	- 1431	Z -AM	405	0
AF-AG	309	- 1829	AM-AN	279	- 1961
AF-AA	1131	0	AN- M	403	0
G -AG	610	0	AN-AO	253	- 2097
G -AH	395	- 1	M -AO	71	- 816
AG-AH	281	- 2088	AO-AP	239	- 2111
AH-AI	273	- 1948	AP-AR	136	- 2099
AI-AJ	249	- 1859	AR- Q	137	- 2105
AJ-AK	256	- 2080	R - Y	536	0
AK-AL	250	- 2045	Y - T	66	- 629

Lumber

Top chord: 2x4 SP #1; T3,T4 2x4 SP SS Dense;
Bot chord: 2x4 SP #1; B3 2x8 SP SS Dense;
Webs: 2x4 SP #3; W8,W12,W13 2x4 SP #1;
W20 2x4 SP SS Dense;
Stack Chord: SC1 2x4 SP #1;
Rt Slider: 2x4 SP #3; block length = 1.585'

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc.

Plating Notes

All plates are 2X4 except as noted.

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

Plates sized for a minimum of 3.50 sq.in./piece.

Purlins

In lieu of structural panels or rigid ceiling use purlins to laterally brace chords as follows:

Chord	Spacing(in oc)	Start(ft)	End(ft)
TC	40	-1.57	1.52
TC	75	0.00	14.65
TC	24	14.65	21.33
TC	24	21.33	41.57
BC	120	0.00	40.00

Apply purlins to any chords above or below fillers at 24" OC unless shown otherwise above.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 6.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

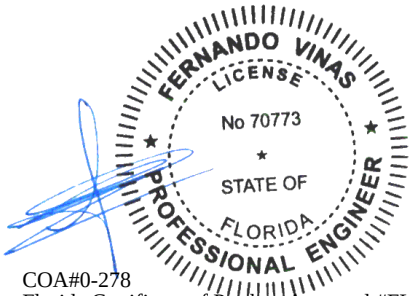
Wind

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/229.



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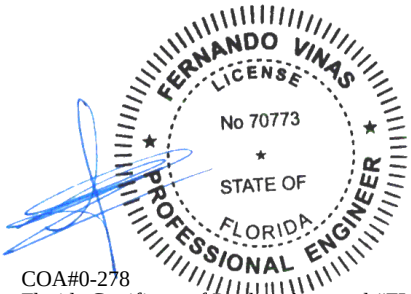
Gable Reinforcement

(b) 1x4 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.
(c) 2x3 "T" reinforcement. Any species and grade. Full truss height along web member. Attach to the wide face with 10d (0.131"x3",min.) nails @ 4" oc in the web plus (2)10d (0.131"x3",min.) nails in each chord.

Additional Notes

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.

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



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

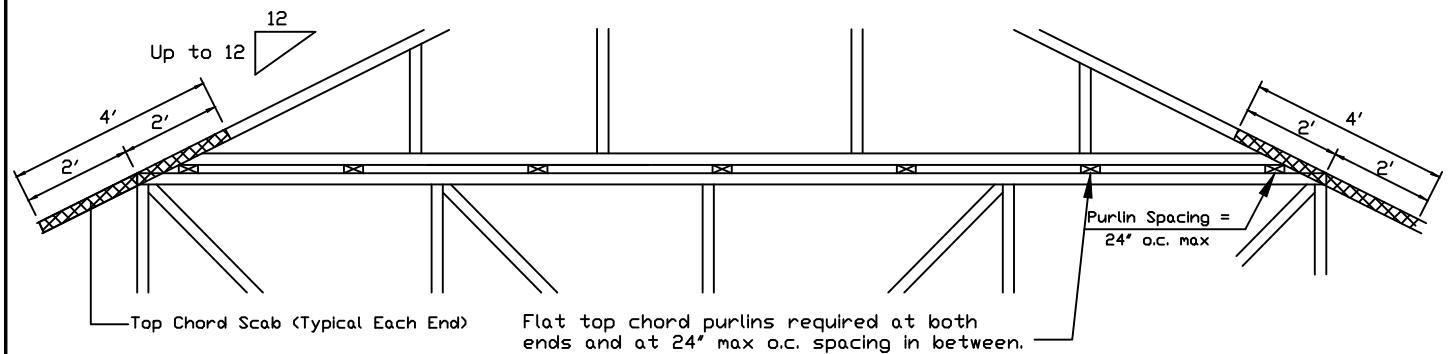
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0.
Or 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

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

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

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

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



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

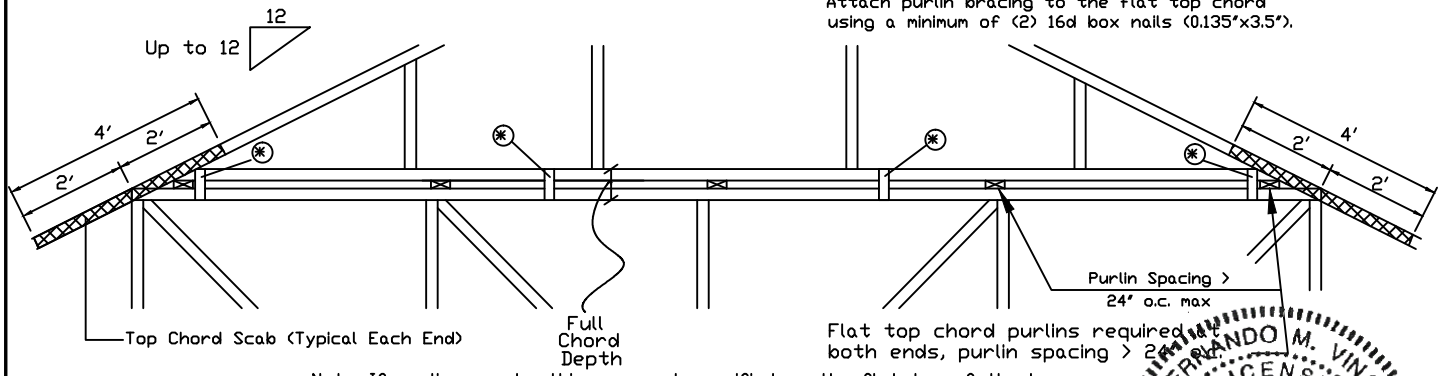
Attach purlin bracing to the flat top chord using (2) 16d box nails (0.135"x3.5").

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

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

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

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



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

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

Trulox

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

APA Rated Gusset

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

2x4 Vertical Scabs

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

28PB Wave Piggyback Plate

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

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For more information see this job's general notes page and these web sites:
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FERNANDO M. VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

04/24/2024

COA#0-278
Florida Certificate of Product Approval #FL1999

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

Piggyback Detail - ASCE 7-16: 180 mph, 30' Mean Hgt, Partially Enclosed, Exp. C, Kzt=1.00

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

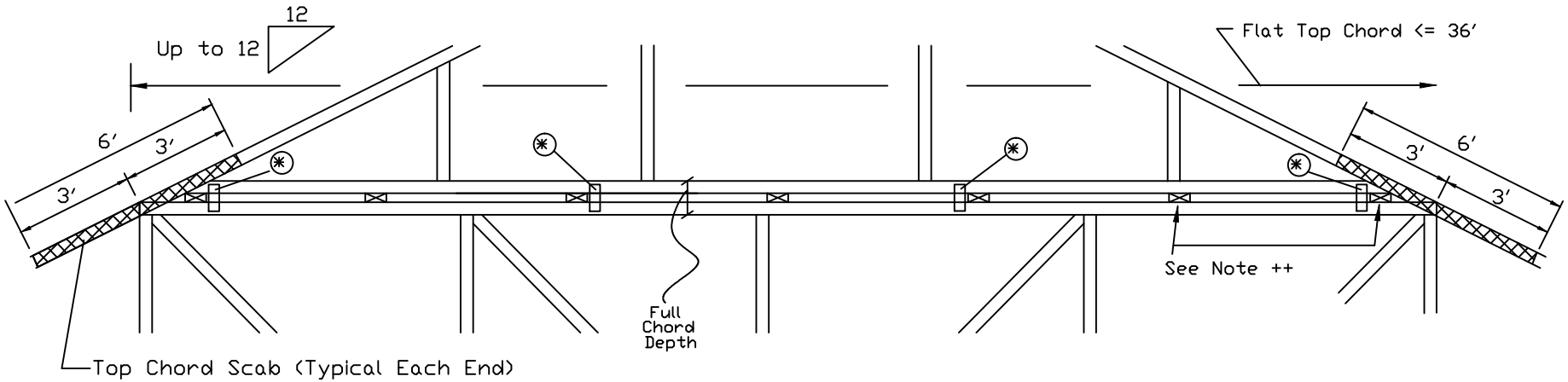
Note: Top chords of trusses supporting piggyback cap trusses must be adequately braced by sheathing or purlins. The building Engineer of Record shall provide diagonal bracing or any other suitable anchorage to permanently restrain purlins, and lateral bracing for out of plane loads over gable ends.

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

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

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

++ Flat top chord purlins required at both ends and at a maximum of 24" intervals unless otherwise noted on base truss design drawing. Attach purlin bracing to the flat top chord using a minimum of (2) 16d box nails (0.135"x3.5").



* In addition, provide connection with one of the following methods:	
Trulox Use 3X8 Trulox plates for 2x4 chord member, and 3X10 Trulox plates for 2x6 and larger chord members. Attach to each face @ 8' o.c. with (4) 0.120"x1.375" nails into cap bottom chord and (4) in base truss top chord. Trulox plates may be staggered 4' o.c. front to back faces.	28PB Wave Piggyback Plate One 28PB wave piggyback plate to each face @ 8' o.c. Attach teeth to piggyback at time of fabrication. Attach to supporting truss with (4) 0.120"x1.375" nails per face per ply. Piggyback plates may be staggered 4' o.c. front to back faces.
APA Rated Gusset 8"x8"x7/16" (min) APA rated sheathing gussets (each face). Attach @ 8' o.c. with (8) 6d common (0.113"x2") nails per gusset, (4) in cap bottom chord and (4) in base truss top chord. Gussets may be staggered 4' o.c. front to back faces.	2x4 Vertical Scabs 2x4 SPF #2, full chord depth scabs (each face). Attach @ 8' o.c. with (6) 10d box nails (0.128"x3") per scab, (3) in cap bottom chord and (3) in base truss top chord. Scabs may be staggered 4' o.c. front to back faces.

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

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FERNANDO M. VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

04/24/2024

COA#0-278
Florida Certificate of Product Approval #FL1999

REF	PIGGYBACK
DATE	01/02/2018
DRWG	PB180160118
SPACING	24.0"

Cracked or Broken Member Repair Detail

This drawing specifies repairs for a truss with broken chord or web member.

This design is valid only for single ply trusses with 2x4 or 2x6 broken members. No more than one break per chord panel and no more than two breaks per truss are allowed. Contact the truss manufacturer for any repairs that do not comply with this detail.

(B) = Damaged area, 12" max length of damaged section
(L) = Minimum nailing distance on each side of damaged area (B)
(S) = Two 2x4 or two 2x6 side members, same size, grade, and species as damaged member. Apply one scab per face. Minimum side member length(s) = (2)(L) + (B)

Scab member length (S) must be within the broken panel.

Nail into 2x4 members using two (2) rows at 4" o.c., rows staggered.
Nail into 2x6 members using three (3) rows at 4" o.c., rows staggered.

Nail using 10d box or gun nails (0.128"x3", min) into each side member.

The maximum permitted lumber grade for use with this detail is limited to Visual grade #1 and MSR grade 1650f.

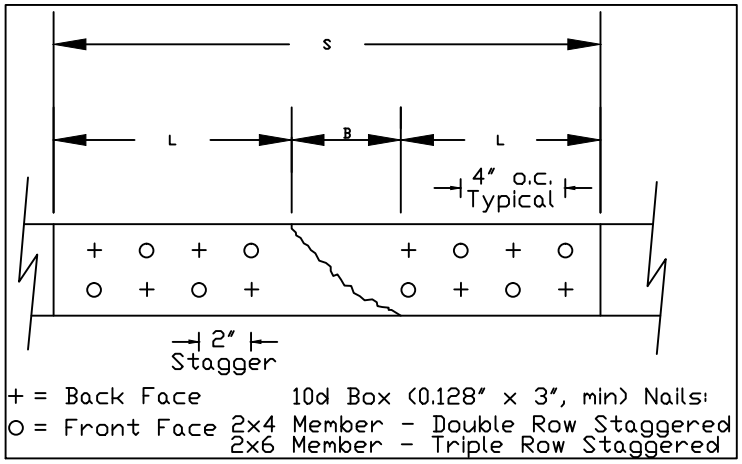
This repair detail may be used for broken connector plate at mid-panel splices.

This repair detail may not be used for damaged chord or web sections occurring within the connector plate area.

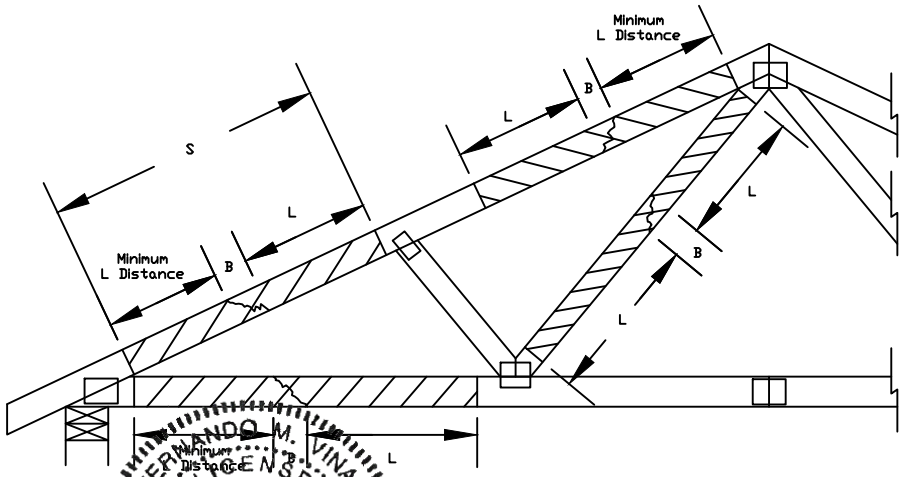
Broken chord may not support any tie-in loads.

Load Duration = 0%
Member forces may be increased for Duration of Load

Member	Size	L	Maximum Member Axial Force SPF-C	HF	DF-L	SYP
Web Only	2x4	12"	620#	635#	730#	800#
Web Only	2x4	18"	975#	1055#	1295#	1415#
Web or Chord	2x4	24"	975#	1055#	1495#	1745#
Web or Chord	2x6		1465#	1585#	2245#	2620#
Web or Chord	2x4	30"	1910#	1960#	2315#	2555#
Web or Chord	2x6		2230#	2365#	3125#	3575#
Web or Chord	2x4	36"	2470#	2530#	2930#	3210#
Web or Chord	2x6		3535#	3635#	4295#	4745#
Web or Chord	2x4	42"	2975#	3045#	3505#	3835#
Web or Chord	2x6		4395#	4500#	5225#	5725#
Web or Chord	2x4	48"	3460#	3540#	4070#	4445#
Web or Chord	2x6		5165#	5280#	6095#	6660#



Nail Spacing Detail



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REPANDO M. VINAS
LICENSE
No 70773
STATE OF FLORIDA
PROFESSIONAL ENGINEER

04/24/2024

COA#0-278
Florida Certificate of Product Approval #FL1999

REF	MEMBER REPAIR
DATE	10/01/14
DRWG	REPCHRD1014
SPACING	24.0" MAX

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.

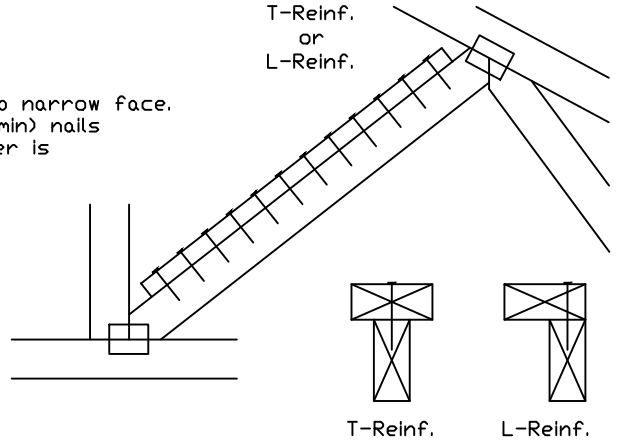
Web Member Size	Specified CLR Restraint	Alternative Reinforecement T- or L- Reinf.	Alternative Reinforecement Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(*)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(*)

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.

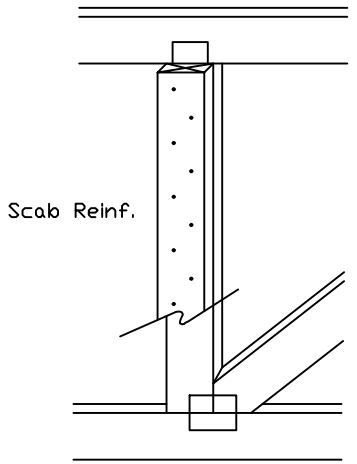
T-Reinforcement or L-Reinforcement:

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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04/24/2024

COA#0-278
Florida Certificate of Product Approval #FL1999

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		

Piggyback Detail - ASCE 7-22: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

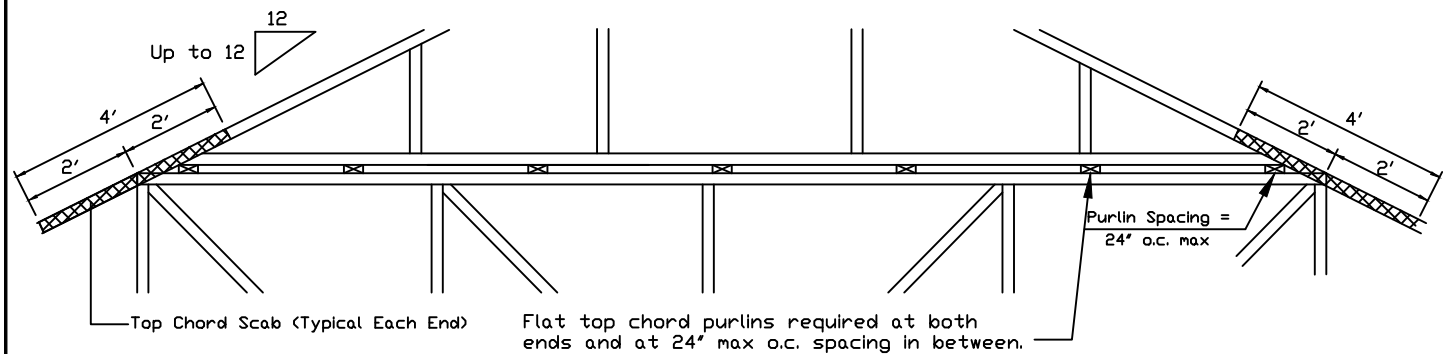
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-22, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0.
Or 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-22, Enclosed Bldg. located anywhere in roof, Exp D, Wind DL= 5.0 psf (min), Kzt=1.0.

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

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

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

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



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

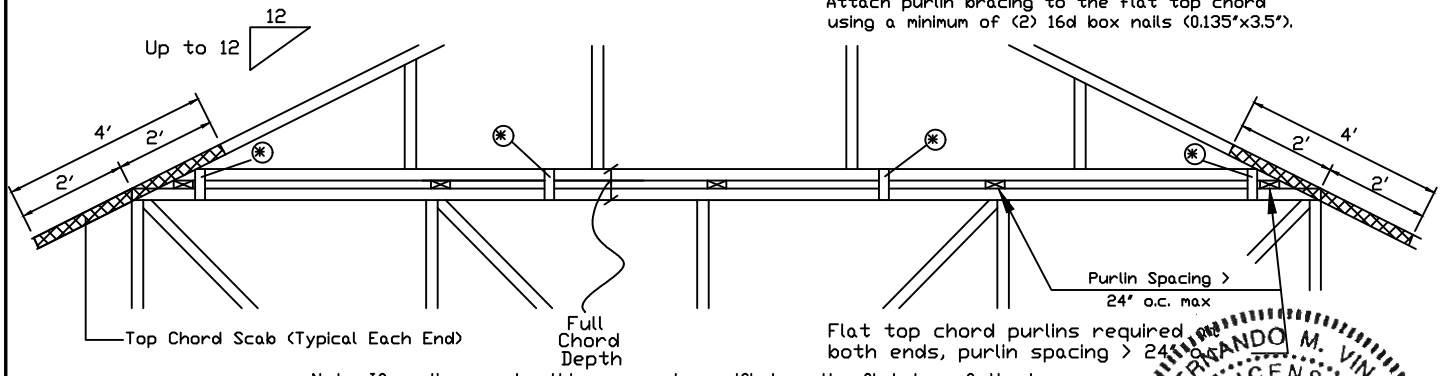
Attach purlin bracing to the flat top chord using (2) 16d box nails (0.135"x3.5").

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

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

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

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



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

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

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

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

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

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

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PROFESSIONAL ENGINEER

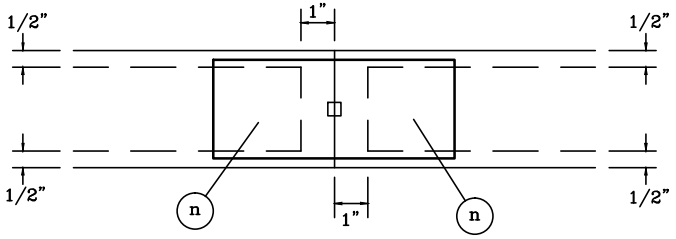
04/24/2024

COA#0-278
Florida Certificate of Product Approval #FL1999

REF	PIGGYBACK
DATE	07/03/2023
DRWG	PB160220723
SPACING	24.0"

TRULOX INFORMATION DETAIL

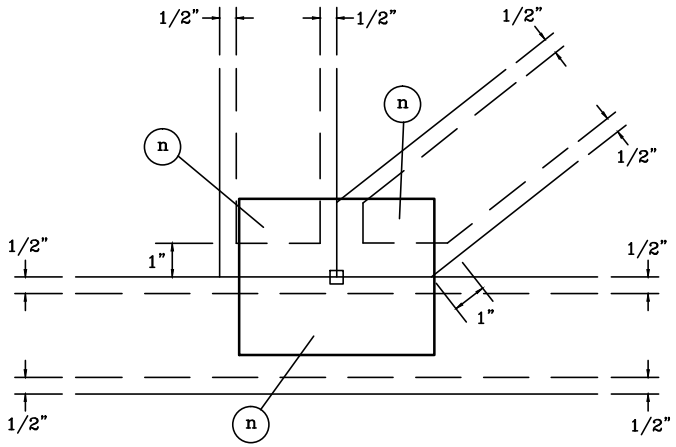
TYPICAL OFF PANEL SPLICE



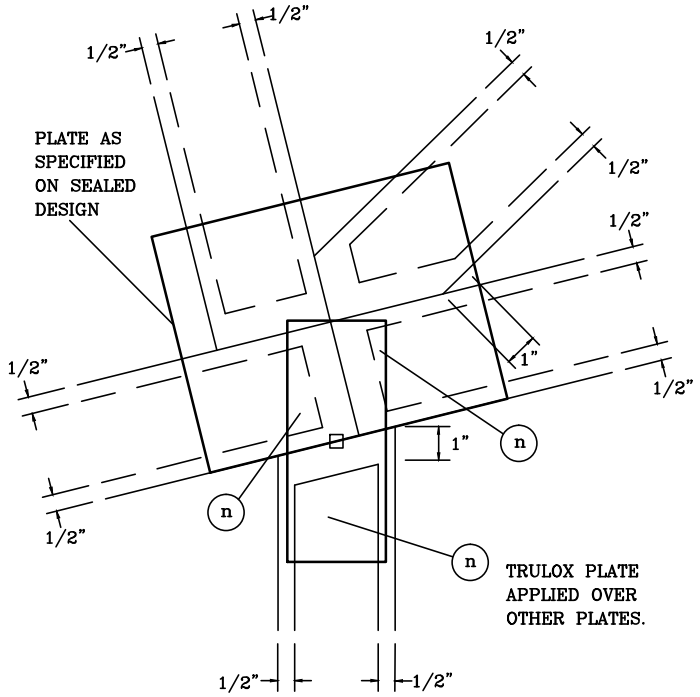
DO NOT APPLY NAILS WITHIN 1/2" OF LUMBER EDGES OR 1" OF LUMBER ENDS ON EACH FACE, AS SHOWN BY DASHED LINES.

NAILS MUST NOT SPLIT LUMBER.

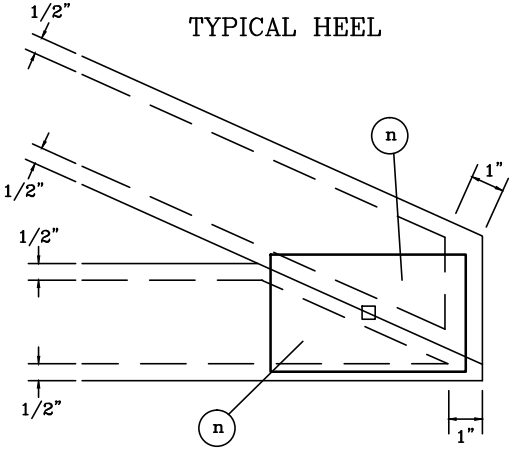
TYPICAL PANEL POINT WITHOUT SPLICE



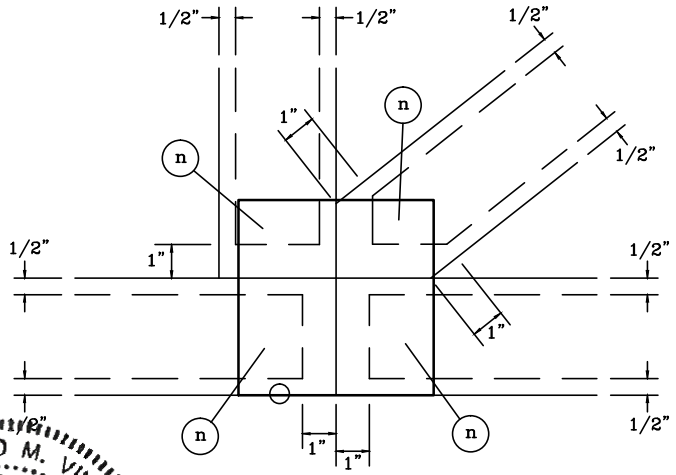
TYPICAL FILLER



TYPICAL HEEL



TYPICAL PANEL POINT SPLICE



NOTES:
(n) IS THE REQUIRED NUMBER OF 0.120" X 1.375" NAILS, OR EQUAL, PER FACE PER PLY AS SPECIFIED ON THE SEALED DESIGN REFERENCING THIS DETAIL.
○ LOCATES PLATE CORNER OR FLUSH EDGE.
□ LOCATES PLATE CENTER.

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04/24/2024

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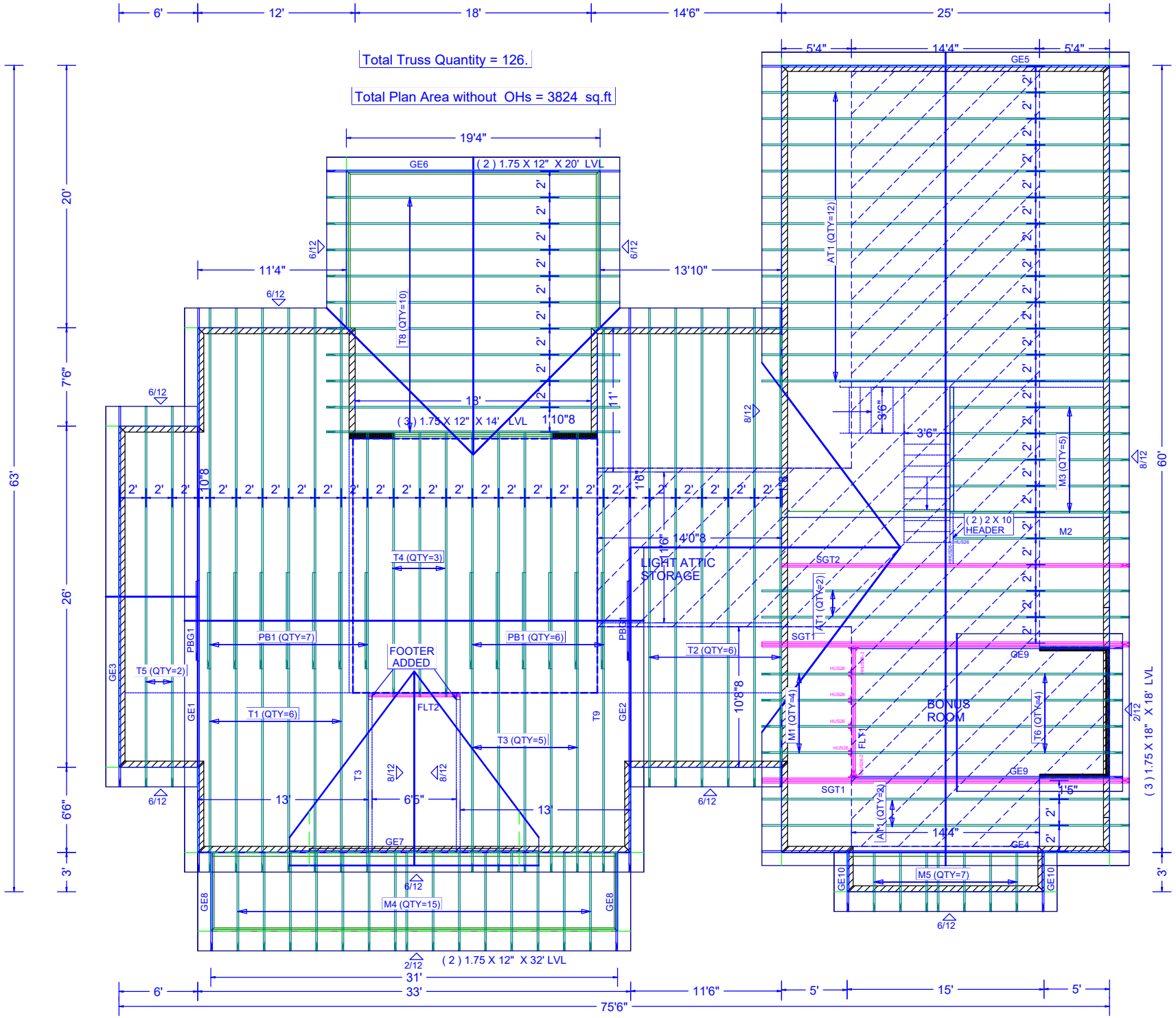
TRULOX PLATING

160 TL

PAGE 1 OF 1

DATE 10/01/14



SEMINOLE TRUSSES

Job Name: Lay Res
Customer: Trademark Const Group
Designer: Rodney Barone
PlanName: Trademark Const
Created : 04-19-2024
SemRef# : B57122RR

JOB NO:
B57122RR

PAGE NO:
1 OF 1