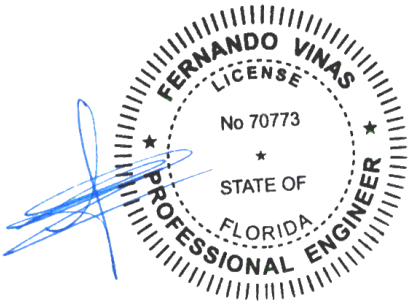
Alpine, an ITW Company
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025
Phone: (800)755-6001
www.alpineitw.com



06/27/2024

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

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Site Information:	**Page 1:**
Customer: W. B. Howland Company, Inc.	*Job Number:* 24-1356
Job Description: Sullivan	
Address:	

Job Engineering Criteria:	
Design Code: FBC 8th Ed. 2023 Res.	*IntelliVIEW Version:* 23.02.04 *JRef #:* 1Y112150006
Wind Standard: ASCE 7-22 *Wind Speed (mph):* 130 *Building Type:* Closed	*Design Loading (psf):* 40.00

This package contains general notes pages, 60 truss drawing(s) and 4 detail(s).

Item	Drawing Number	Truss	Item	Drawing Number	Truss
1	178.24.1656.31580	A1	2	179.24.2124.12810	A1E
3	178.24.1656.44920	A2	4	179.24.2124.14833	A2E
5	178.24.1656.57480	A3	6	178.24.1657.01427	A4
7	178.24.1657.03740	B1	8	178.24.1657.05467	B2
9	178.24.1657.07463	B3	10	178.24.1657.09963	B4
11	178.24.1657.13873	B5	12	178.24.1657.38393	B5E
13	178.24.1657.45107	BE4	14	178.24.1657.49703	C1
15	178.24.1657.55927	C1E	16	178.24.1658.39850	C2
17	178.24.1658.45140	C3	18	178.24.1658.51660	C3E
19	178.24.1658.54037	D1	20	178.24.1659.05520	D1E
21	178.24.1659.08850	D2	22	178.24.1659.10910	D3
23	178.24.1659.13503	D4	24	178.24.1659.16940	G1
25	178.24.1659.18950	G2	26	178.24.1659.53707	G3
27	178.24.1700.12257	H1	28	178.24.1700.35700	HJ1
29	178.24.1700.50427	HJ1A	30	178.24.1700.54640	J1
31	178.24.1700.57543	J1A	32	178.24.1701.00300	J3
33	178.24.1701.02633	J3A	34	178.24.1701.05350	J5
35	178.24.1701.07817	J5A	36	178.24.1701.10580	J7
37	178.24.1701.13597	J7A	38	178.24.1701.24147	K1
39	178.24.1701.28410	M1	40	178.24.1701.31983	M1E
41	178.24.1701.37020	M2	42	178.24.1701.39847	M2E
43	178.24.1701.43303	M3	44	178.24.1701.49490	M3E
45	178.24.1701.52710	M4	46	178.24.1702.13467	P1
47	178.24.1702.16007	P1E	48	178.24.1702.18140	P2E
49	178.24.1702.20140	P3	50	178.24.1702.27493	P3E

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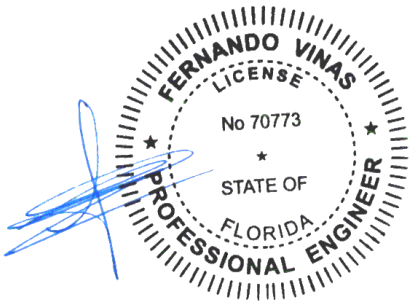

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Site Information:	**Page 2:**
Customer: W. B. Howland Company, Inc.	*Job Number:* 24-1356
Job Description: Sullivan	
Address:	

Item	Drawing Number	Truss
51	178.24.1702.31870	V1
53	178.24.1702.37050	V3
55	178.24.1702.39850	V5
57	178.24.1702.42873	V7
59	178.24.1702.46070	V9
61	BRCLBSUB0119	
63	VAL180220723	

Item	Drawing Number	Truss
52	178.24.1702.35613	V2
54	178.24.1702.38367	V4
56	178.24.1702.41540	V6
58	178.24.1702.43997	V8
60	178.24.1702.33910	V10
62	PB160220723	
64	VALTN220723	

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.

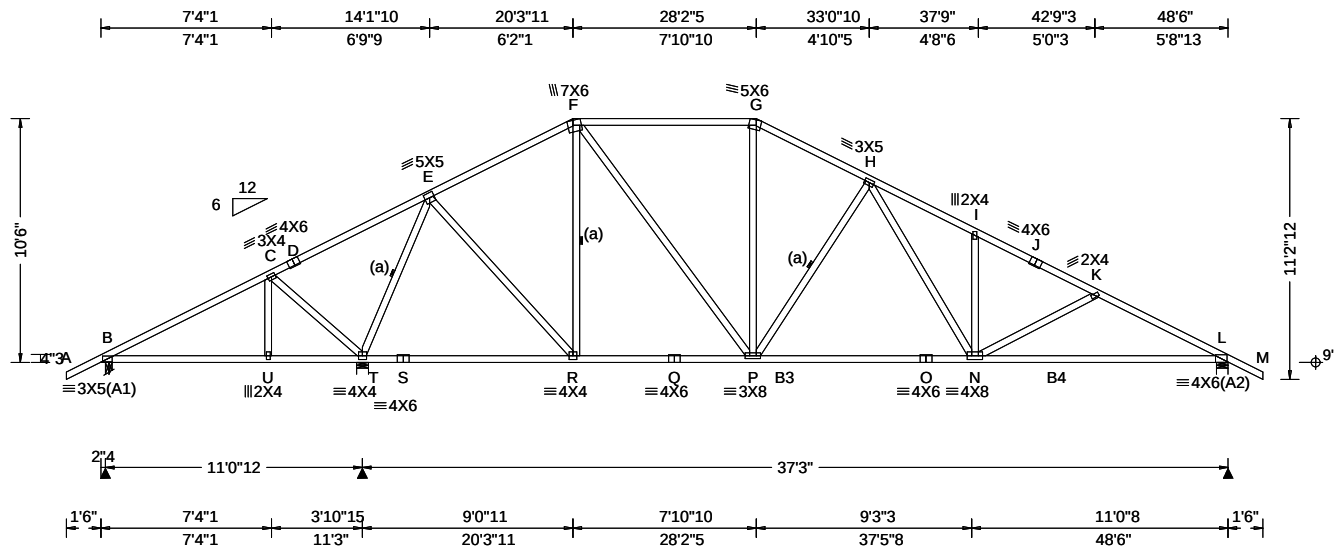
General Notes (continued)

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: 629121 COMN FROM: RFG	Ply: 1 Qty: 3	**Job Number:** 24-1356 Sullivan **Truss Label:** A1	Cust: R 215 JRef:1Y112150006 T59 DrwNo: 178.24.1656.31580 NW / FV 06/26/2024



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.03 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.85 ft 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)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.142	I	999	360
VERT(CL): 0.260	I	999	240
HORZ(LL): 0.042	F	-	-
HORZ(TL): 0.077	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.785
Max BC CSI: 0.746
Max Web CSI: 0.775

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	360	/-37	/-	/217	/79	/323
T	2761	/-	/-	/1384	/199	/-
L	1725	/-	/-	/1028	/186	/-

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.5 (Truss)
T Brg Wid = 6.0 Min Req = 3.3 (Truss)
L Brg Wid = 6.0 Min Req = 1.5 (Truss)
Bearings B, T, & L are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	502	- 58	G - H	469	- 1727
C - D	647	- 74	H - I	767	- 2688
D - E	808	- 69	I - J	638	- 2624
E - F	340	- 1234	J - K	625	- 2697
F - G	472	- 1499	K - L	783	- 3034

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - U	214	- 409	P - O	1895	- 142
U - T	213	- 410	O - N	1895	- 142
R - Q	1031	0	N - L	2645	- 570
Q - P	1031	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - T	337	- 536	F - P	781	- 188
T - E	480	- 2295	P - H	464	- 730
E - R	1225	0	H - N	897	- 322
F - R	66	- 566			

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B3,B4 2x4 SP M-31;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

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.

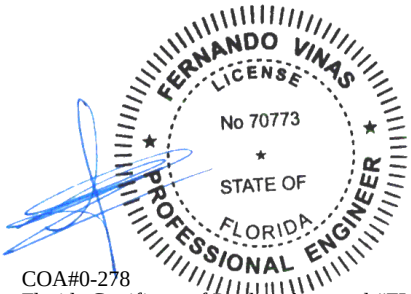
Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

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

The overall height of this truss excluding overhang is 10-6-0.



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06/27/2024

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

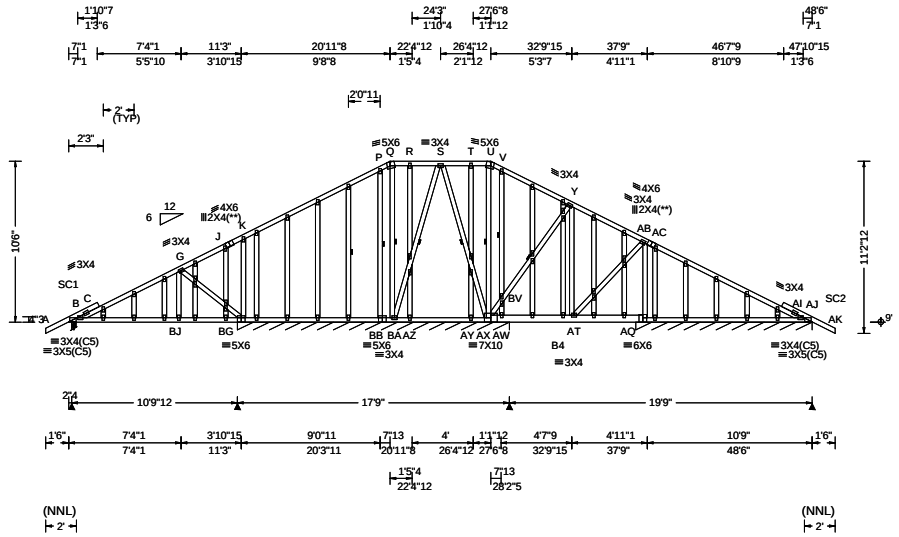
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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: 629182 GABL FROM: RFG Page 1 of 2	Ply: 1 Qty: 1	**Job Number:** 24-1356 Sullivan **Truss Label:** A1E		Cust: R 215 JRef:1Y112150006 T29 DrwNo: 179.24.2124.12810 / FV 06/26/2024	



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.03 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.85 ft 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)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.103	BL	999	360
VERT(CL): 0.277	BL	473	240
HORZ(LL): 0.042	E	-	-
HORZ(TL): 0.112	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.730
Max BC CSI: 0.782
Max Web CSI: 0.545

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	753	/-	/-	/-	/113	/-
BG*	257	/-	/-	/-	/32	/-
AJ*	166	/-	/-	/-	/32	/-

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.5 (Truss)
BG Brg Wid = 213 Min Req = -
AJ Brg Wid = 138 Min Req = -
Bearings B, BG, & AQ are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	83	-539	K - P	467	-54
C - G	57	-494	P - Q	409	-44
G - J	437	-50	V - Y	407	-56
J - K	443	-48			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B -BJ	378	-42

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
BJ- G	514	-42	Y -AT	383	-81
G -BG	97	-956	AT-AB	387	-96
AX-BV	140	-736	AQ-AB	143	-595
BV- Y	155	-814			

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.
BV-AW	81	-402

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B4 2x6 SP #2;
Webs: 2x4 SP #3;
Stack Chord: SC1 2x4 SP #2;
Stack Chord: SC2 2x4 SP #2;

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

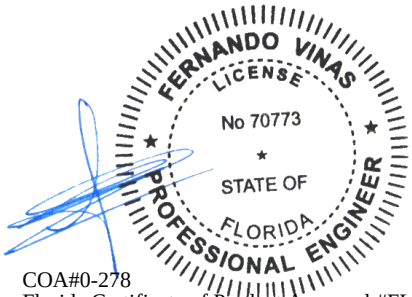
TC: From	62 plf at	-1.50 to	62 plf at	30.31
TC: From	31 plf at	30.31 to	31 plf at	35.44
TC: From	62 plf at	35.44 to	62 plf at	50.00
BC: From	4 plf at	-1.50 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	30.31
BC: From	10 plf at	30.31 to	10 plf at	37.46
BC: From	20 plf at	37.46 to	20 plf at	48.50
BC: From	4 plf at	48.50 to	4 plf at	50.00

BC: 190 lb Conc. Load at 30.31,32.31,33.44,35.44

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.

Loading
Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

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



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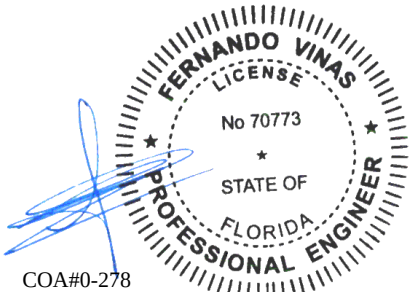
Glenview, IL 60025

Additional Notes

Stacked top chord must NOT be notched or cut in area (NNL). 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.

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

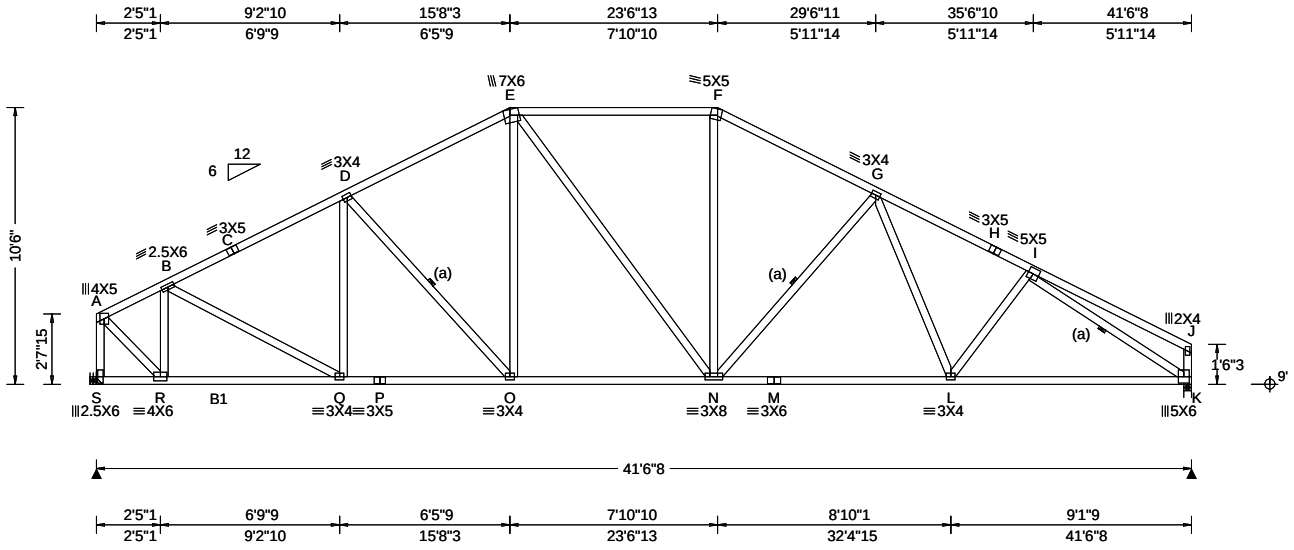
The overall height of this truss excluding overhang is 10-6-0.



COA#0-278
Florida Certificate of Product Approval #FL1999
06/27/2024

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

SEQN: 629020 COMN FROM: RFG	Ply: 1 Qty: 5	**Job Number:** 24-1356 Sullivan **Truss Label:** A2	Cust: R 215 JRef:1Y112150006 T60 DrwNo: 178.24.1656.44920 NW / FV 06/26/2024	



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.99 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.15 ft 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)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.139	N	999	360
VERT(CL): 0.254	N	999	240
HORZ(LL): 0.061	J	-	-
HORZ(TL): 0.112	J	-	-

Creep Factor: 2.0
Max TC CSI: 0.884
Max BC CSI: 0.622
Max Web CSI: 0.896

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
S	1944	/-	/-	/1015	/142	/244
K	1931	/-	/-	/1105	/125	/-

Wind reactions based on MWFRS
S Brg Wid = - Min Req = -
K Brg Wid = 3.5 Min Req = 1.6 (Truss)
Bearing K is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	339	- 1469	E - F	535	- 2068
B - C	538	- 2452	F - G	536	- 2382
C - D	559	- 2382	G - H	637	- 2821
D - E	550	- 2307	H - I	615	- 2864

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
R - Q	1381	- 262	N - M	2391	- 294
Q - P	2117	- 292	M - L	2391	- 294
P - O	2117	- 292	L - K	2440	- 468
O - N	1986	- 88			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - S	433	- 1936	E - N	377	- 78
A - R	1822	- 399	N - F	582	- 186
R - B	338	- 1171	N - G	378	- 506
B - Q	836	- 31	I - K	550	- 2906
E - O	443	- 164			

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31; B1 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

Simpson Construction Hardware is specified based on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information.

Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

Bearing at location x=0' uses the following support conditions: 0'
Bearing S (0', 9') HUS26
Supporting Member: (2)2x6 SP 2400f-2.0E
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.

Loading

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

Wind

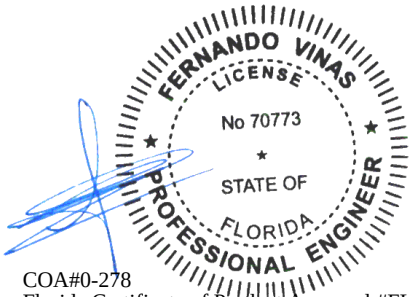
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-6-0.



COA#0-278
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06/27/2024

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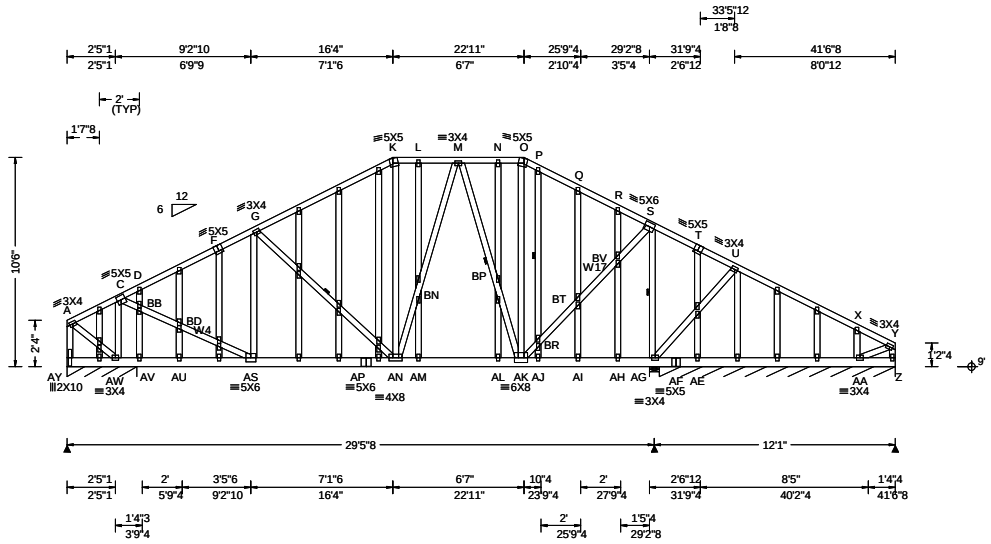
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629179 GABL FROM: RFG	Ply: 1 Qty: 1	**Job Number:** 24-1356 Sullivan **Truss Label:** A2E	Cust: R 215 JRef:1Y112150006 T44 DrwNo: 179.24.2124.14833 / FV 06/26/2024	



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.99 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.15 ft 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: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.091	I	999	360
VERT(CL): 0.256	I	999	240
HORZ(LL): 0.032	I	-	-
HORZ(TL): 0.089	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.518
Max BC CSI: 0.856
Max Web CSI: 0.877

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
AY*	817	/-	/0	/-	/148	/0
AG	3837	/-	/-	/-	/626	/-
Z*	100	/-	/-	/-	/4	/-
AY		/-468				
AF		/-489				

Wind reactions based on MWFRS
AY Brg Wid = 42.0 Min Req = -
AG Brg Wid = 6.0 Min Req = 4.5 (Truss)
Z Brg Wid = 142 Min Req = -
Bearings AY, AG, & AG are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - C	483	- 92	M - N	226	- 1327
C - D	378	- 2096	N - O	226	- 1328
D - F	402	- 2215	O - P	241	- 1429
F - G	382	- 2142	P - Q	255	- 1534
G - K	369	- 2103	Q - R	261	- 1564
K - L	317	- 1790	R - S	269	- 1583
L - M	317	- 1788			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AW-AV	98	- 532	AN-AM	1599	- 277
AS-AP	1922	- 345	AM-AL	1599	- 277
AP-AN	1922	- 345	AL-AK	1599	- 277

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A -AY	471	- 80	BN- M	632	- 136
A -AW	95	- 515	M -BP	170	- 920
AW- C	353	- 1920	BP-AK	171	- 917
C -BB	2419	- 436	AK-BR	2009	- 345
BB-BD	2473	- 446	BR-BT	1975	- 340
AV-BB	123	- 586	BT-BV	2044	- 350
BD-AS	2432	- 439	BV- S	2028	- 347
K -AN	407	- 74	S -AG	451	- 2648
AN-BN	643	- 137			

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.	Gables	Tens.	Comp.
D -BB	89	- 409	X -AA	56	- 380

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #3; W4,W17 2x4 SP #2;

Special Loads

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

TC: From	62 plf at	0.00 to	62 plf at	5.06	
TC: From	31 plf at	5.06 to	31 plf at	27.65	
TC: From	62 plf at	27.65 to	62 plf at	41.54	
BC: From	20 plf at	0.00 to	20 plf at	5.06	
BC: From	10 plf at	5.06 to	10 plf at	27.65	
BC: From	20 plf at	27.65 to	20 plf at	41.54	

BC: 145 lb Conc. Load at 5.06, 7.06, 9.06,11.06 13.06,15.06,15.65,17.65,19.65,21.65,23.65,25.65 27.65

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

Wind loads and reactions based on MWFRS.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-6-0.

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278
Florida Certificate of Product Approval #FL19961
06/27/2024

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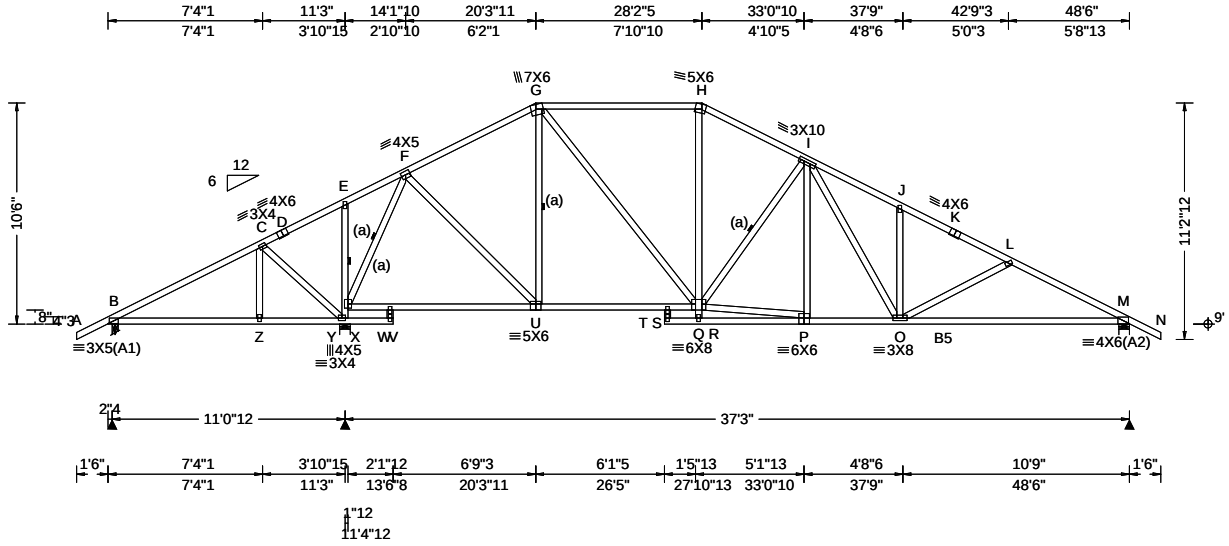
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629123 COMN FROM: RFG	Ply: 1 Qty: 4	**Job Number:** 24-1356 Sullivan **Truss Label:** A3	Cust: R 215 JRef:1Y112150006 T1 DrwNo: 178.24.1656.57480 NW / FV 06/26/2024	



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:	10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL):	0.130 T	999	360	
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL):	0.247 T	999	240	
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL):	0.031 G	-	-	
Des Ld:	40.00	EXP: C Kzt: NA		HORZ(TL):	0.059 G	-	-	
NCBCLL:	10.00	Mean Height: 15.03 ft	Building Code:	Creep Factor: 2.0				
Soffit:	2.00	TCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI:	0.733			
Load Duration:	1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI:	0.647			
Spacing:	24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI:	0.700			
		C&C Dist a: 4.85 ft ft	FT/RT:20(0)/10(0)					
		Loc. from endwall: not in 6.50 ft	Plate Type(s):					
		GCpi: 0.18	WAVE	VIEW Ver: 23.02.04.0123.14				
		Wind Duration: 1.60						

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	506	/-	/-	/243	/152	/323
Y	2234	/-	/-	/1344	/103	/-
M	1671	/-	/-	/1074	/208	/-

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.5 (Truss)
Y Brg Wid = 6.0 Min Req = 2.6 (Truss)
M Brg Wid = 6.0 Min Req = 1.5 (Truss)
Bearings B, Y, & M are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
D - E	377	- 167	I - J	479	- 2535
E - F	381	- 144	J - K	392	- 2476
F - G	279	- 1397	K - L	379	- 2549
G - H	342	- 1585	L - M	475	- 2896
H - I	330	- 1822			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
X - W	636	0	S - Q	1184	0
W - U	559	- 19	P - O	1847	- 77
U - S	1181	0	O - M	2527	- 327

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - Y	177	- 517	Q - H	392	- 134
Y - X	130	- 1802	Q - P	1838	- 71
X - F	127	- 1805	Q - I	285	- 437
F - U	897	0	I - O	736	- 174
G - Q	636	- 88			

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B5 2x4 SP M-31;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Laterally brace top chord below filler and bottom chord above filler at 24" o.c.,including a lateral brace at chord ends (If no rigid diaphragm exists at that point)

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Wind

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

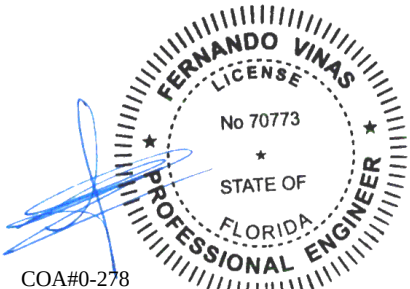
Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

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

The overall height of this truss excluding overhang is 10-6-0.



COA#0-278
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06/27/2024

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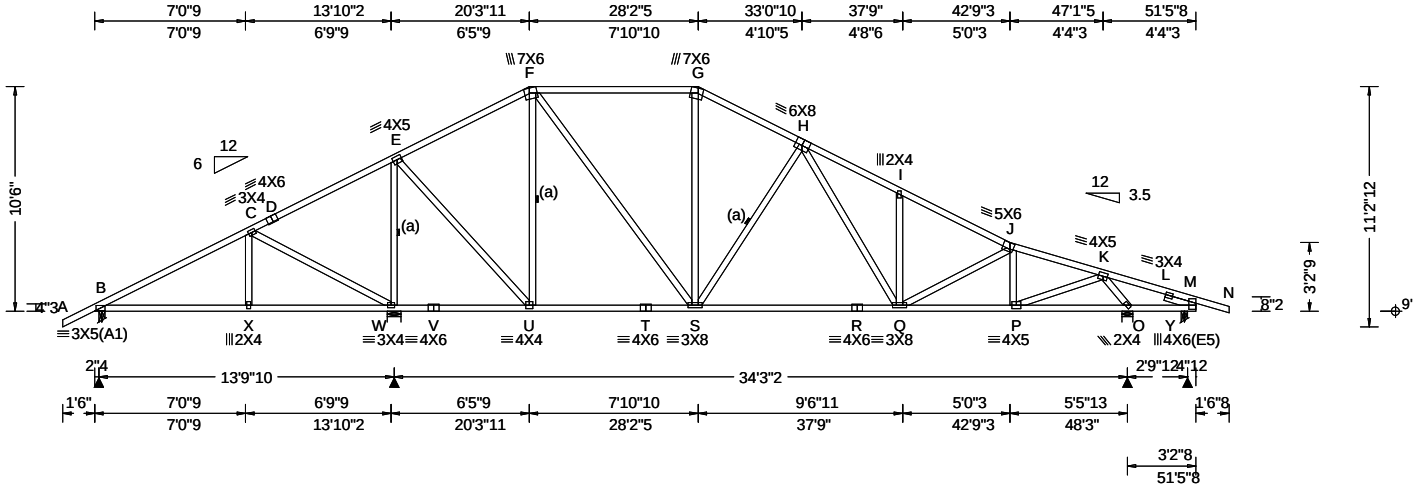
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629119 COMN FROM: RFG	Ply: 1 Qty: 1	**Job Number:** 24-1356 Sullivan **Truss Label:** A4		Cust: R 215 JRef:1Y112150006 T34 DrwNo: 178.24.1657.01427 NW / FV 06/26/2024	



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:	10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.086 I 999 360
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.176 I 999 240
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.024 F - -
Des Ld:	40.00	EXP: C Kzt: NA		HORZ(TL): 0.048 F - -
NCBCLL:	10.00	Mean Height: 15.03 ft	Building Code:	Creep Factor: 2.0
Soffit:	2.00	TCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.702
Load Duration:	1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.802
Spacing:	24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.770
		C&C Dist a: 5.15 ft ft	FT/RT:20(0)/10(0)	
		Loc. from endwall: not in 13.00 ft	Plate Type(s):	
		GCpi: 0.18	WAVE	VIEW Ver: 23.02.04.0123.14
		Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	516	/-	/-	/306	/38	/309
W	2279	/-	/-	/1354	/-	/-
O	1853	/-	/-	/1159	/-	/-
Y	73	/-290	/-	/-	/174	/-

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.5 (Truss)
W Brg Wid = 7.8 Min Req = 2.7 (Truss)
O Brg Wid = 6.0 Min Req = 2.2 (Truss)
Y Brg Wid = 3.5 Min Req = 1.5 (Truss)
Bearings B, W, O, & Y are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	116	- 409	H - I	395	- 1897
C - D	422	- 29	I - J	304	- 1899
D - E	584	- 24	J - K	315	- 1840
E - F	168	- 660	K - L	924	- 151
F - G	263	- 983	L - M	1016	- 213
G - H	245	- 1154			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
W - V	215	- 384	S - R	1307	- 26
V - U	215	- 384	R - Q	1307	- 26
U - T	521	0	Q - P	1776	- 232
T - S	521	0	O - M	167	- 837

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - W	203	- 682	S - H	316	- 599
W - E	258	- 1824	H - Q	668	- 183
E - U	1301	0	J - P	115	- 514
F - U	55	- 843	P - K	1556	- 180
F - S	793	- 132	K - O	394	- 1992

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

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

Left and right cantilevers are exposed to wind

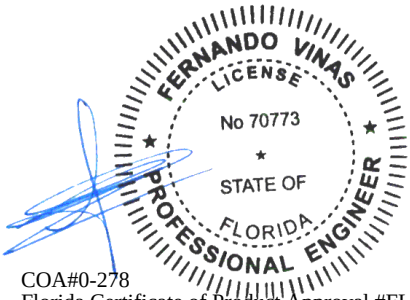
Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -290# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

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

The overall height of this truss excluding overhang is 10-6-0.



COA#0-278
Florida Certificate of Product Approval #FL1999
06/27/2024

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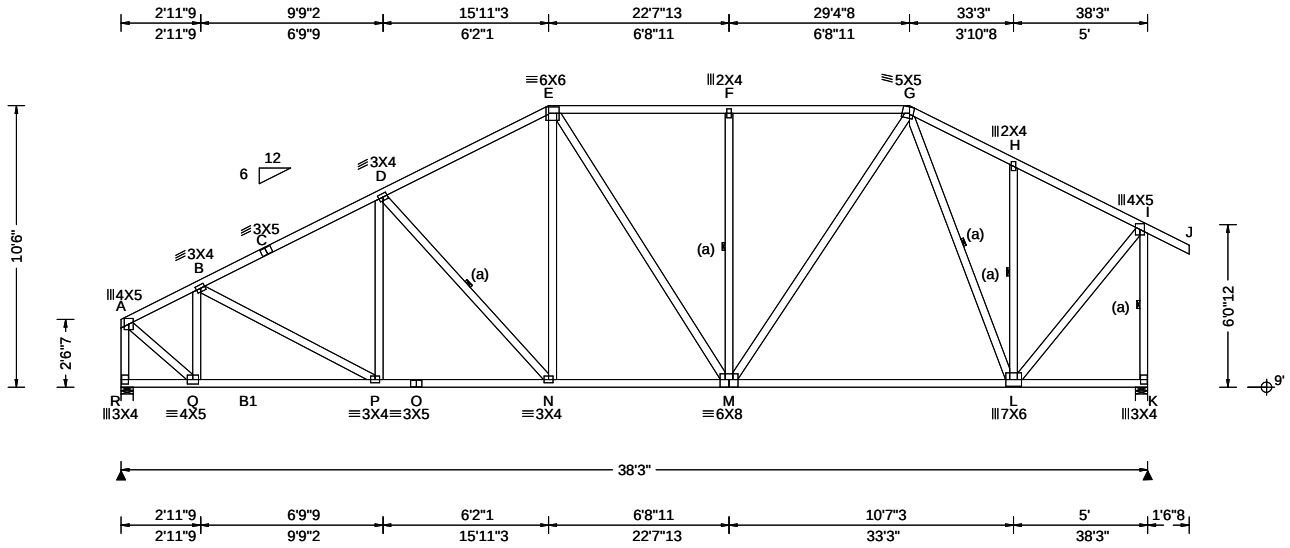
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629188 COMN FROM: RFG	Ply: 1 Qty: 2	**Job Number:** 24-1356 Sullivan **Truss Label:** B1		Cust: R 215 JRef:1Y112150006 T43 DrwNo: 178.24.1657.03740 NW / FV 06/26/2024	



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:	10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL):	0.097 N	999	360	
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL):	0.173 N	999	240	
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL):	0.035 D	-	-	
Des Ld:	40.00	EXP: C Kzt: NA		HORZ(TL):	0.063 D	-	-	
NCBCLL:	10.00	Mean Height: 0.00 ft	Building Code:	Creep Factor: 2.0				
Soffit:	2.00	TCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI:	0.530			
Load Duration:	1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI:	0.661			
Spacing:	24.0 "	MWFRS Parallel Dist: > 2h	Rep Fac: Yes	Max Web CSI:	0.758			
		C&C Dist a: 3.00 ft ft	FT/RT:20(0)/10(0)					
		Loc. from endwall: not in 9.00 ft	Plate Type(s):					
		GCpi: 0.18	WAVE	VIEW Ver: 23.02.04.0123.14				
		Wind Duration: 1.60						

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31; B1 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

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

Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-6-0.

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
R	1799	/-	/-	/971	/-	/391
K	1975	/-	/-	/1113	/-	/-

Wind reactions based on MWFRS
R Brg Wid = 5.5 Min Req = 2.1 (Truss)
K Brg Wid = 5.5 Min Req = 1.6 (Truss)
Bearings R & K are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

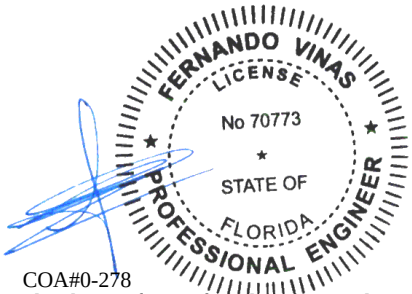
Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	126	-1487	E - F	88	-1791
B - C	142	-2282	F - G	88	-1791
C - D	164	-2212	G - H	242	-1233
D - E	155	-2061	H - I	117	-1251

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
R - Q	278	-390	O - N	1963	-296
Q - P	1380	-381	N - M	1760	-137
P - O	1963	-296	M - L	1276	-11

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - R	144	-1784	M - G	935	0
A - Q	1713	-116	F - M	0	-446
Q - B	131	-1003	G - L	43	-616
B - P	664	0	L - I	1614	0
E - N	453	-138	I - K	50	-2001



COA#0-278
Florida Certificate of Product Approval #FL1999
06/27/2024

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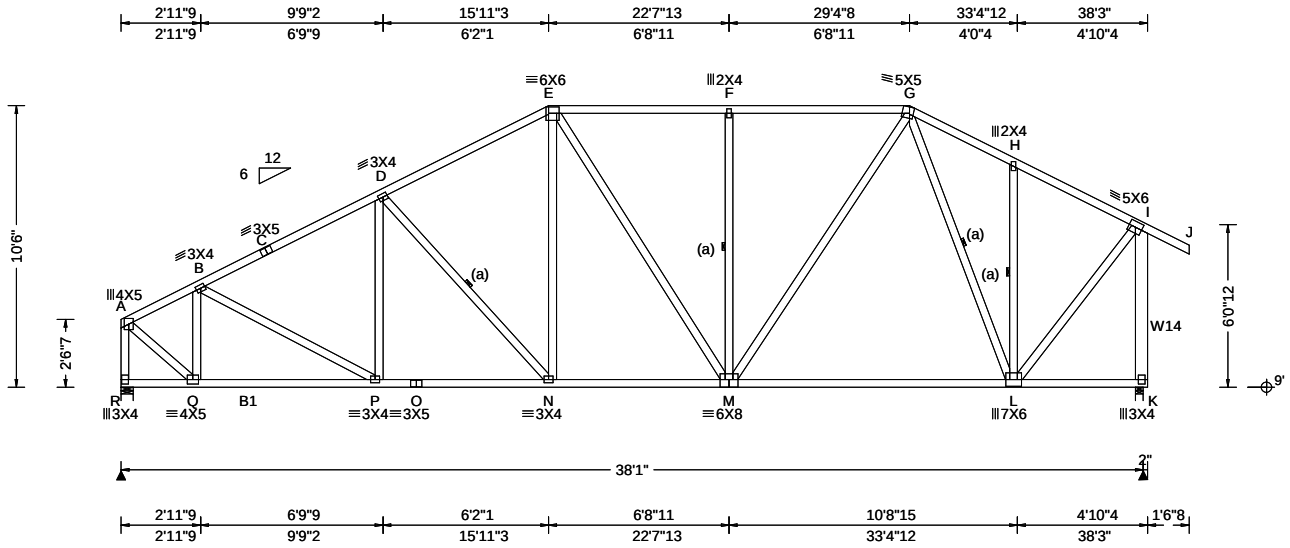
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629190 COMN FROM: RFG	Ply: 1 Qty: 2	**Job Number:** 24-1356 Sullivan **Truss Label:** B2		Cust: R 215 JRef:1Y112150006 T42 DrwNo: 178.24.1657.05467 NW / FV 06/26/2024	



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: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.095 N 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.169 N 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.035 L - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.063 L - -
NCBCLL: 10.00	Mean Height: 17.20 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.530
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.661
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.795
	C&C Dist a: 3.81 ft ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 9.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 23.02.04.0123.14
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
R	1799	/-	/-	/971	/-	/391
K	1975	/-	/-	/1116	/-	/-

Wind reactions based on MWFRS
R Brg Wid = 5.5 Min Req = 2.1 (Truss)
K Brg Wid = 3.5 Min Req = 1.6 (Truss)
Bearings R & K are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	126	- 1487	E - F	88	- 1791
B - C	142	- 2282	F - G	88	- 1791
C - D	164	- 2212	G - H	242	- 1234
D - E	155	- 2061	H - I	117	- 1251

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
R - Q	278	- 390	O - N	1963	- 296
Q - P	1380	- 381	N - M	1760	- 137
P - O	1963	- 296	M - L	1276	- 12

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - R	144	- 1784	M - G	935	0
A - Q	1713	- 116	F - M	0	- 446
Q - B	131	- 1003	G - L	43	- 616
B - P	664	0	L - I	1615	0
E - N	453	- 138	I - K	50	- 2001

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31; B1 2x4 SP #2;
Webs: 2x4 SP #3; W14 2x6 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

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

Wind

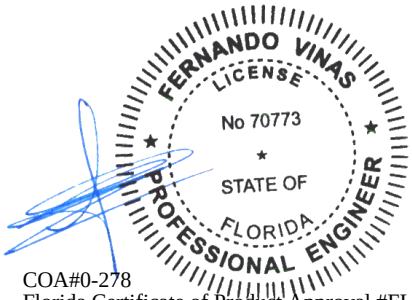
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-6-0.



COA#0-278
Florida Certificate of Product Approval #FL1999
06/27/2024

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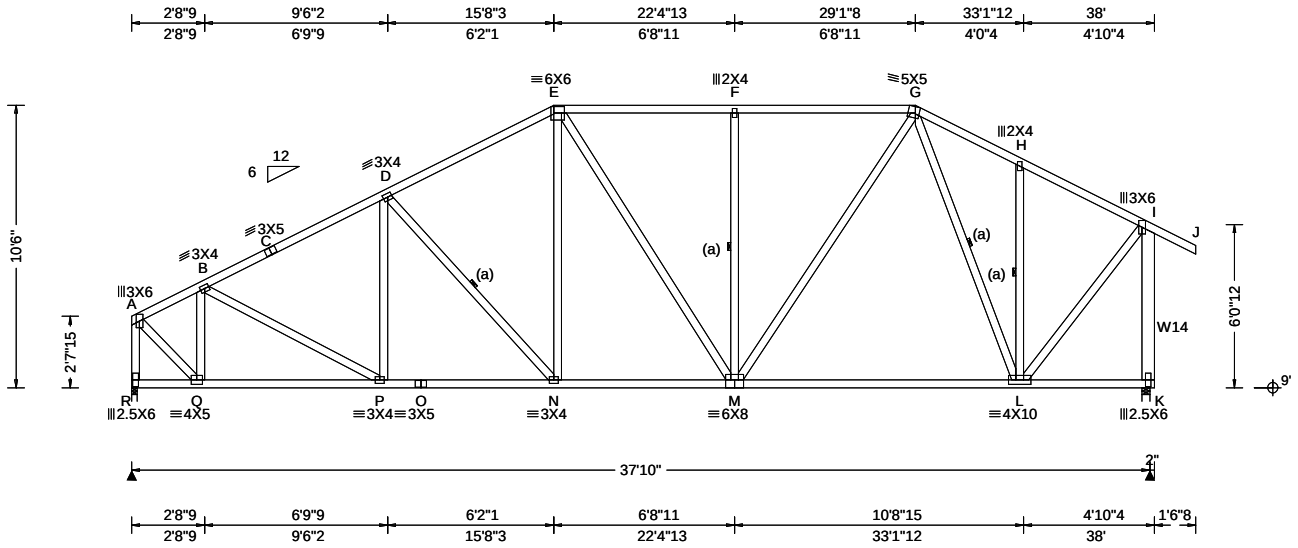
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629010 COMN FROM: RFG	Ply: 1 Qty: 1	**Job Number:** 24-1356 Sullivan **Truss Label:** B3	Cust: R 215 JRef:1Y112150006 T62 DrwNo: 178.24.1657.07463 NW / FV 06/26/2024	



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:	10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.070 N 999 360
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.144 N 999 240
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.031 L - -
Des Ld:	40.00	EXP: C Kzt: NA		HORZ(TL): 0.063 L - -
NCBCLL:	10.00	Mean Height: 15.58 ft	Building Code:	Creep Factor: 2.0
Soffit:	2.00	TCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.524
Load Duration:	1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.881
Spacing:	24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.923
		C&C Dist a: 3.78 ft ft	FT/RT:20(0)/10(0)	
		Loc. from endwall: not in 9.00 ft	Plate Type(s):	
		GCpi: 0.18	WAVE	VIEW Ver: 23.02.04.0123.14
		Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
R	1563	/-	/-	/926	/90	/387
K	1670	/-	/-	/907	/134	/-

Wind reactions based on MWFRS
R Brg Wid = 2.5 Min Req = 1.8 (Truss)
K Brg Wid = 3.5 Min Req = 2.0 (Truss)
Bearings R & K are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	376	- 1181	E - F	775	- 1446
B - C	650	- 1886	F - G	775	- 1446
C - D	672	- 1816	G - H	609	- 997
D - E	753	- 1693	H - I	511	- 1014

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
R - Q	278	- 387	O - N	1610	- 750
Q - P	1107	- 616	N - M	1432	- 677
P - O	1610	- 750	M - L	1041	- 503

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - R	482	- 1558	F - M	368	- 448
A - Q	1462	- 445	G - L	321	- 550
Q - B	368	- 913	L - I	1292	- 461
B - P	571	- 160	I - K	637	- 1651
M - G	736	- 319			

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W14 2x6 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

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

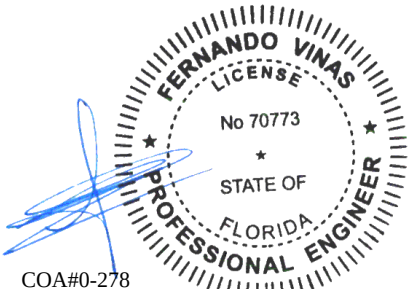
Left end vertical not exposed to wind pressure.

Right end vertical exposed to wind pressure. Deflection meets L/360.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-6-0.



COA#0-278
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06/27/2024

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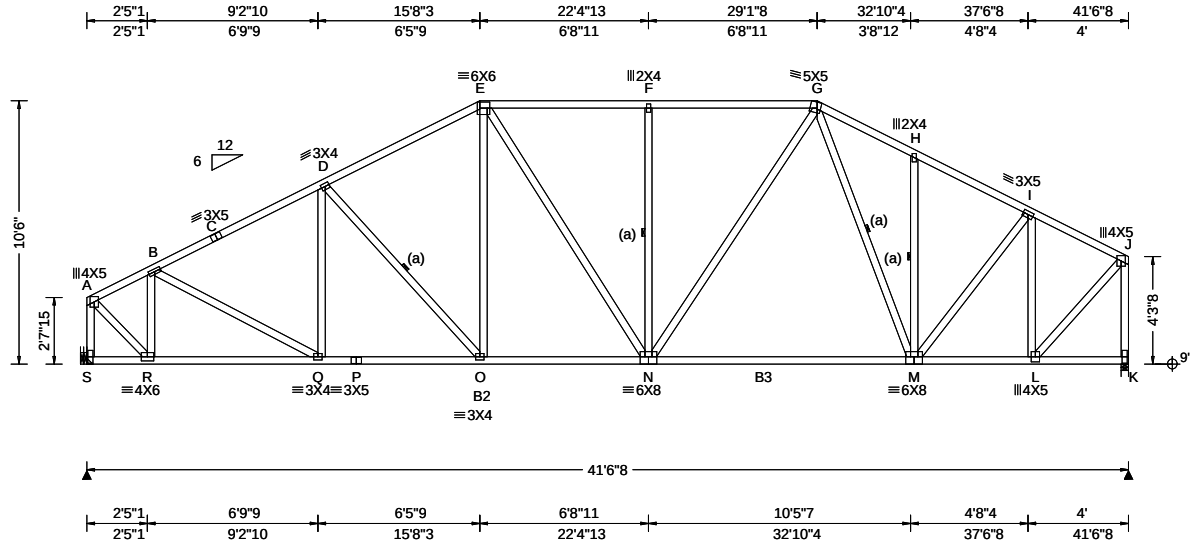
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629152 COMN FROM: RFG	Ply: 1 Qty: 2	**Job Number:** 24-1356 Sullivan **Truss Label:** B4		Cust: R 215 JRef:1Y112150006 T47 DrwNo: 178.24.1657.09963 NW / FV 06/26/2024	



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 17.26 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 4.15 ft 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: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.121	F	999	360
VERT(CL): 0.219	F	999	240
HORZ(LL): 0.045	K	-	-
HORZ(TL): 0.082	K	-	-

Creep Factor: 2.0
Max TC CSI: 0.538
Max BC CSI: 0.925
Max Web CSI: 0.876

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
S	1963	/-	/-	/1057	/62	/213
K	1979	/-	/-	/1147	/-	/-

Wind reactions based on MWFRS
S Brg Wid = - Min Req = -
K Brg Wid = 3.5 Min Req = 2.3 (Truss)
Bearing K is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	101	-1481	F - G	51	-2153
B - C	134	-2484	G - H	158	-1986
C - D	155	-2414	H - I	38	-2007
D - E	143	-2329	I - J	39	-1346
E - F	51	-2153			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
R - Q	1391	-175	O - N	2000	0
Q - P	2146	-110	N - M	1758	0
P - O	2146	-110	M - L	1213	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - S	122	-1952	N - G	717	0
A - R	1835	-102	F - N	0	-443
R - B	128	-1186	M - I	853	0
B - Q	858	0	I - L	3	-1259
E - O	386	-135	L - J	1701	0
E - N	419	0	J - K	48	-1925

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B2,B3 2x4 SP M-31;
Webs: 2x4 SP #3;

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

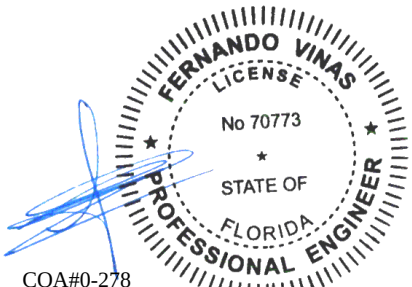
Plating Notes
All plates are 2.5X6 except as noted.

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

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

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

Additional Notes
The overall height of this truss excluding overhang is 10-6-0.



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Florida Certificate of Product Approval #FL1999
06/27/2024

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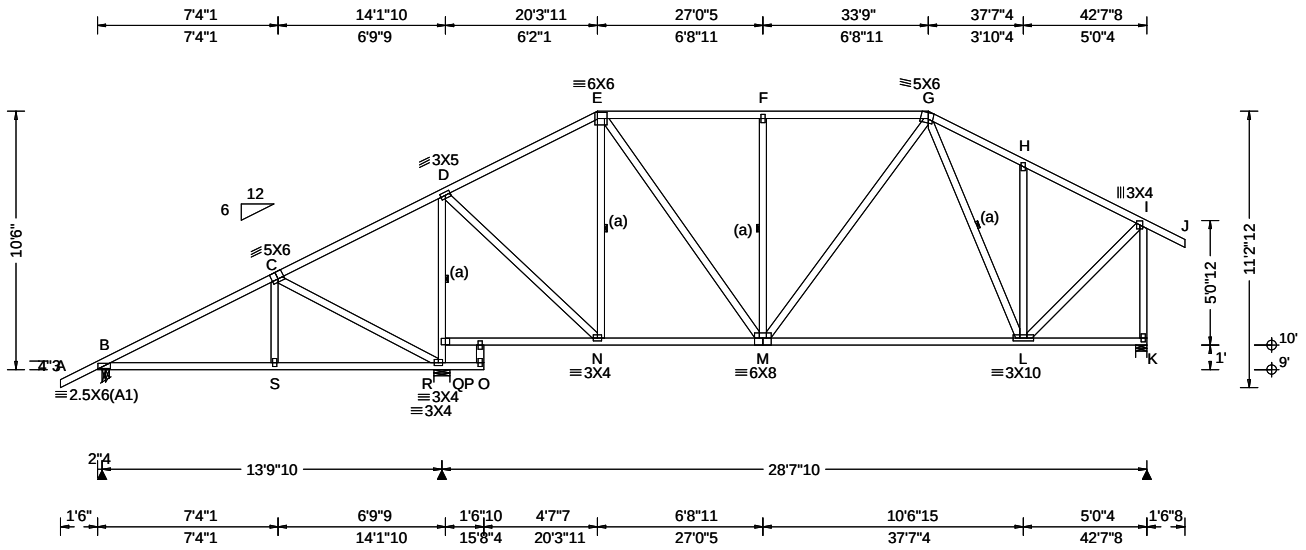
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 629108 COMN FROM: RFG	Ply: 1 Qty: 1	**Job Number:** 24-1356 Sullivan **Truss Label:** B5	Cust: R 215 JRef:1Y112150006 T27 DrwNo: 178.24.1657.13873 NW / FV 06/26/2024



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: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.039 F 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.078 F 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.011 H - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.021 L - -
NCBCLL: 10.00	Mean Height: 15.73 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.543
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.830
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.750
	C&C Dist a: 4.26 ft ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 13.00 ft	Plate Type(s):	VIEW Ver: 23.02.04.0123.14
	GCpi: 0.18	WAVE	
	Wind Duration: 1.60		

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Wind

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

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-6-0.

Laterally brace top chord below filler and bottom chord above filler at 24" o.c.,including a lateral brace at chord ends (If no rigid diaphragm exists at that point)

▲Maximum Reactions (lbs)

Loc	R+	Gravity / R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
B	638	/-	/-	/351	/72	/411
R	1821	/-	/-	/1224	/23	/-
K	1268	/-	/-	/800	/-	/-

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.5 (Truss)
R Brg Wid = 7.8 Min Req = 2.1 (Truss)
K Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings B, R, & K are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

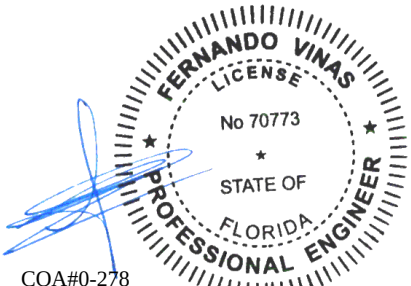
Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	359	-669	F - G	157	-923
D - E	218	-774	G - H	300	-818
E - F	157	-923	H - I	182	-836

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - S	523	-184	N - M	617	0
S - R	520	-185	M - L	766	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - R	202	-664	E - M	530	0
R - Q	226	-1374	F - M	0	-449
Q - D	230	-1368	L - I	947	0
D - N	891	0	I - K	119	-1248
E - N	25	-511			



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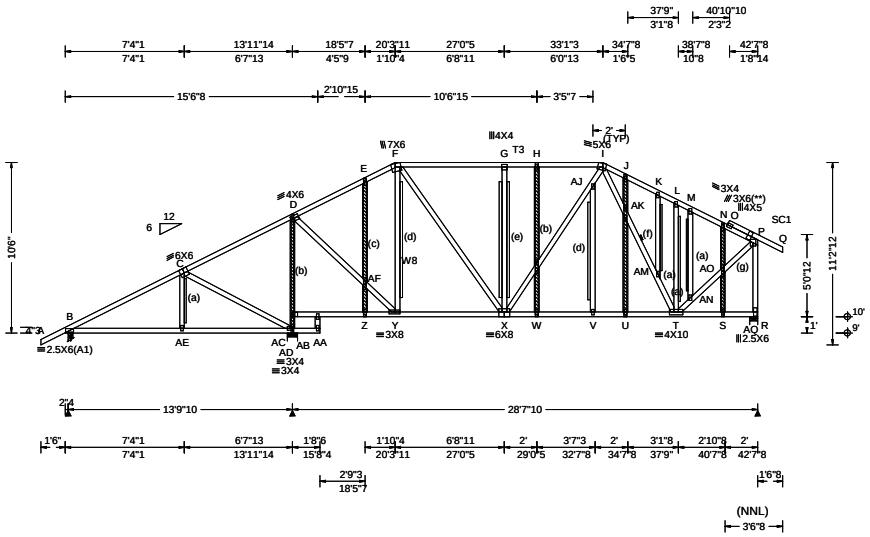
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629144 GABL	Ply: 1	**Job Number:** 24-1356	Cust: R 215 JRef:1Y112150006 T23
FROM: RFG	Qty: 1	Sullivan	DrwNo: 178.24.1657.38393
Page 1 of 2		**Truss Label:** B5E	NW / FV 06/26/2024



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: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.062 H 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.164 H 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.027 N - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.037 E - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.986
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.478
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Varies by Ld Case	Max Web CSI: 0.987
	C&C Dist a: 4.26 ft ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 10.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 23.02.04.0123.14
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	719	/-	/-	/450	/216	/602
AD	2759	/-	/-	/1347	/103	/-
AQ	1944	/-	/-	/893	/45	/-

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.5 (Truss)
AD Brg Wid = 7.8 Min Req = 3.3 (Truss)
AQ Brg Wid = 6.0 Min Req = 2.3 (Truss)
Bearings B, AD, & AQ are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	654	- 784	I - J	520	- 1228
C - D	603	- 525	J - K	474	- 1318
D - E	378	- 1271	K - L	456	- 1365
E - F	425	- 1104	L - M	370	- 1212
F - G	315	- 1516	M - N	364	- 1304
G - H	315	- 1515	N - O	327	- 1261
H - I	315	- 1516	O - P	328	- 1383

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B -AE	588	- 221	W - V	1317	- 127
AE-AD	586	- 222	V - U	1319	- 127
Y - X	1005	- 102	U - T	1319	- 127
X - W	1317	- 127			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C -AD	243	- 805	I -AK	62	- 420
AD-AC	337	- 2275	AK-AM	51	- 431
AC- D	333	- 2268	AM- T	48	- 452
D -AF	1475	- 95	T - L	182	- 448
AF- Y	1451	- 78	T -AN	1497	- 20
F - Y	52	- 878	AN-AO	1501	- 26
F - X	865	0	AO- P	1531	- 35
G - X	0	- 872	P - R	220	- 1886
AJ- I	417	0			

Lumber

Top chord: 2x4 SP #2; T3 2x4 SP M-31;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W8 2x4 SP M-31;
Stack Chord: SC1 2x4 SP #2;

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.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

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/255.

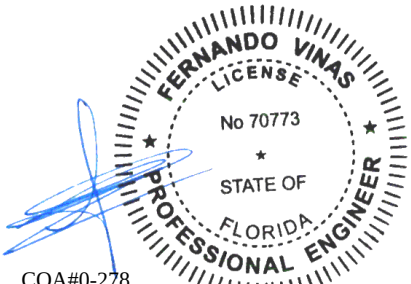
Laterally brace top chord below filler and bottom chord above filler at 24" o.c.,including a lateral brace at chord ends (If no rigid diaphragm exists at that point)

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.

The overall height of this truss excluding overhang is 10-6-0.



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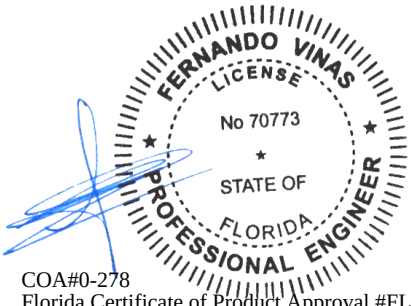
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

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) 2x6 "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.
(c) 2x3 "T" reinforcement. Same species and grade as web. 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.
(d) 2x6 "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.
(e) Two 2x6 "L" reinforcements. Same species and grade as web. 80% length of web member. Attach one to each narrow face of web with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 6" oc for the remainder.
(f) 2x4 "T" reinforcement. Same species and grade as web. 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.
(g) 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.



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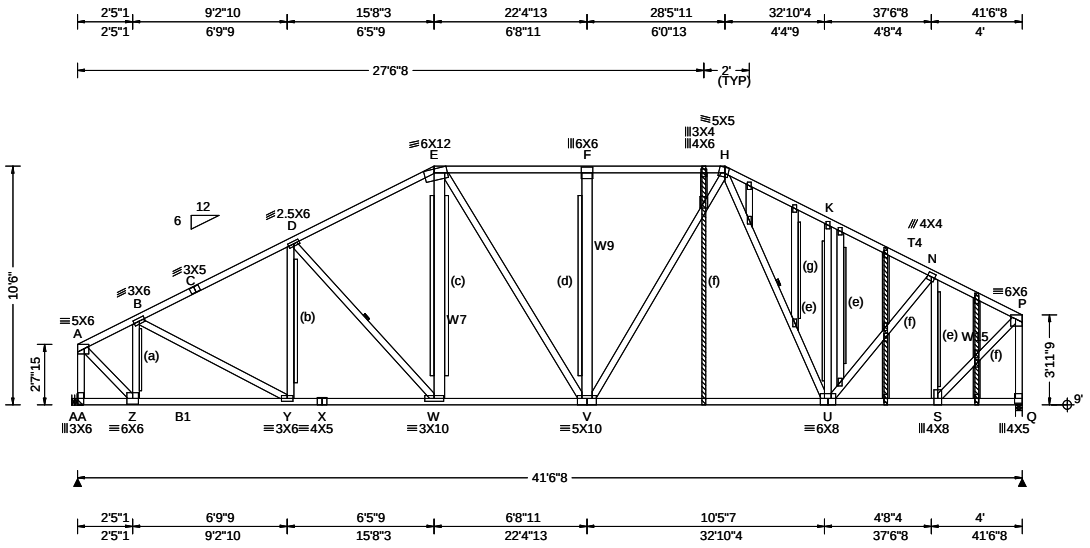
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629018 GABL	Ply: 1	**Job Number:** 24-1356		Cust: R 215	JRef:1Y112150006 T63
FROM: RFG	Qty: 1	Sullivan		DrwNo: 178.24.1657.45107	
Page 1 of 2		**Truss Label:** BE4		NW / FV	06/26/2024



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 17.26 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.15 ft ft
Loc. from endwall: not in 10.00 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)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.104	F	999	360
VERT(CL): 0.276	G	999	240
HORZ(LL): 0.044	Q	-	-
HORZ(TL): 0.113	Q	-	-

Creep Factor: 2.0
Max TC CSI: 0.649
Max BC CSI: 0.737
Max Web CSI: 0.990

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
AA	2657	/-	/-	/1129	/108	/240
Q	2862	/-	/-	/1238	/8	/-

Wind reactions based on MWFRS
AA Brg Wid = - Min Req = -
Q Brg Wid = 3.5 Min Req = 2.4 (Truss)
Bearing Q is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	144	- 2013	F - H	115	- 3028
B - C	199	- 3416	H - K	235	- 2953
C - D	223	- 3307	K - N	82	- 2917
D - E	210	- 3285	N - P	94	- 2064
E - F	114	- 3029			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
Z - Y	1899	- 210	W - V	2789	0
Y - X	2943	- 153	V - U	2613	0
X - W	2943	- 153	U - S	1863	- 24

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A -AA	176	- 2650	V - H	865	- 24
A - Z	2498	- 151	F - V	0	- 958
Z - B	162	- 1694	U - K	205	- 458
B - Y	1177	0	U - N	1088	0
Y - D	41	- 506	N - S	0	- 1515
E - W	383	- 157	S - P	2540	- 37
E - V	447	0	P - Q	75	- 2794

Lumber

Top chord: 2x4 SP M-31; T4 2x4 SP #2;
Bot chord: 2x4 SP M-31; B1 2x4 SP #2;
Webs: 2x4 SP #3; W7,W9 2x6 SP #2; W15 2x4 SP #2;

Plating Notes

All plates are 2X4 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

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.

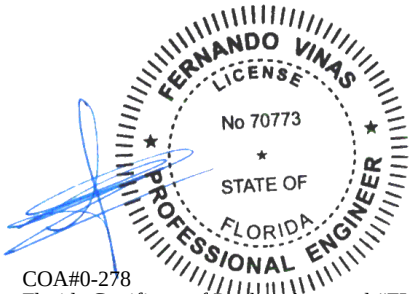
Wind loading based on both gable and hip roof types.

Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/196.

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.

The overall height of this truss excluding overhang is 10-6-0.



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06/27/2024

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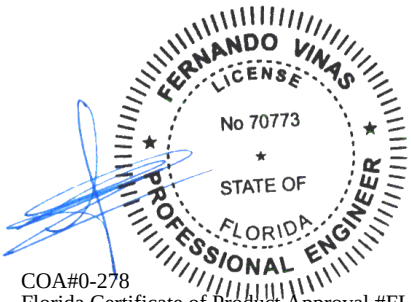
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

Gable Reinforcement

(a) 1x4 SP/DF #2 or better "L" reinforcement. 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) 2x6 "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) Two 2x6 "L" reinforcements. Any species and grade. 80% length of web member. Attach one to each narrow face of web with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 6" oc for the remainder.
(d) 2x6 "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.
(e) 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.
(f) 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.
(g) 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.



COA#0-278
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06/27/2024

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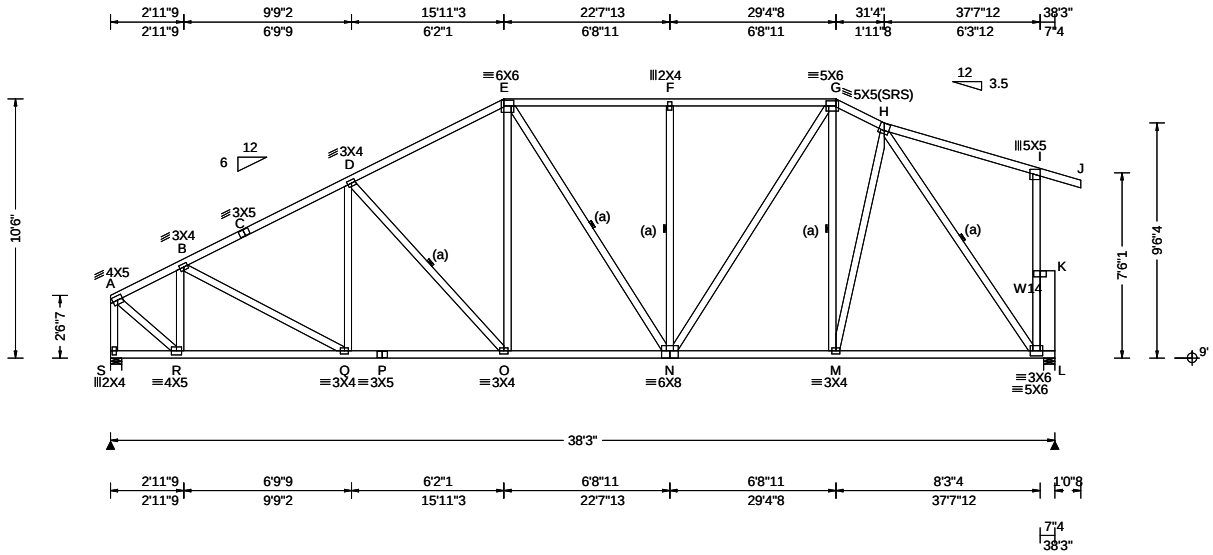
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629004 COMN FROM: RFG	Ply: 1 Qty: 1	**Job Number:** 24-1356 Sullivan **Truss Label:** C1		Cust: R 215 JRef:1Y112150006 T33 DrwNo: 178.24.1657.49703 NW / FV 06/26/2024	



Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	**Wind Criteria** Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.83 ft 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)/10(0) Plate Type(s): WAVE	**Defl/CSI Criteria** PP Deflection in loc L/defl L/# VERT(LL): 0.094 F 999 360 VERT(CL): 0.193 F 999 240 HORZ(LL): 0.035 L - - HORZ(TL): 0.072 L - - Creep Factor: 2.0 Max TC CSI: 0.531 Max BC CSI: 0.806 Max Web CSI: 0.921 VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
S	1573	/-	/-	/974	/-	/376
L	1634	/-	/-	/1037	/-	/-

Wind reactions based on MWFRS
S Brg Wid = 5.5 Min Req = 1.9 (Truss)
L Brg Wid = 5.5 Min Req = 1.9 (Truss)
Bearings S & L are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	111	-1302	E - F	87	-1453
B - C	136	-1933	F - G	88	-1453
C - D	157	-1863	G - H	143	-1225
D - E	144	-1721			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
S - R	256	-550	O - N	1457	-238
R - Q	1206	-509	N - M	1072	-50
Q - P	1651	-407	M - L	972	-72
P - O	1651	-407			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - S	122	-1565	N - G	692	-58
A - R	1499	-105	F - N	0	-451
R - B	125	-851	M - H	482	-60
B - Q	506	0	H - L	0	-1459
E - O	428	-127	K - L	1277	-1654

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W14 2x4 SP M-31;
Rt Bearing Leg: 2x8 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

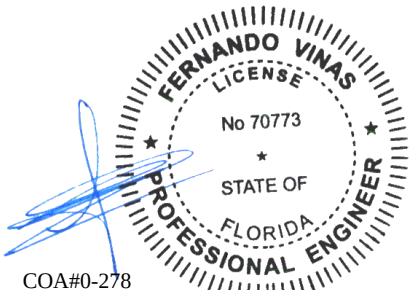
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-6-0.



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06/27/2024

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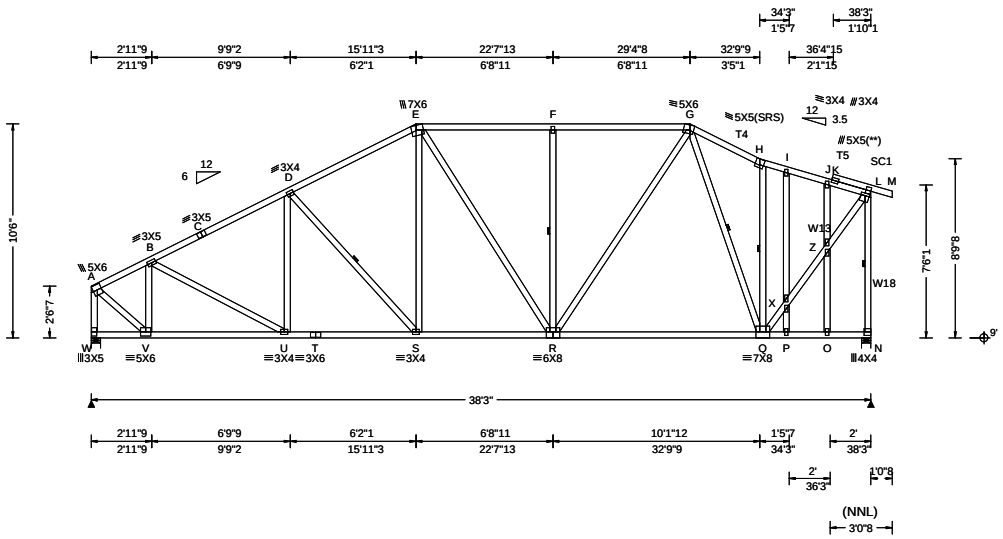
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629002 GABL FROM: RFG	Ply: 1 Qty: 1	**Job Number:** 24-1356 Sullivan **Truss Label:** C1E	Cust: R 215 JRef:1Y112150006 T38 DrwNo: 178.24.1657.55927 / FV 06/26/2024	



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.83 ft ft
Loc. from endwall: not in 10.00 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)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.080	F	999	360
VERT(CL): 0.235	F	999	240
HORZ(LL): 0.037	O	-	-
HORZ(TL): 0.107	O	-	-

Creep Factor: 2.0
Max TC CSI: 0.695
Max BC CSI: 0.871
Max Web CSI: 0.882

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
W	2415	/-	/-	/1034	/34	/616
N	2756	/-	/-	/1107	/-	/-

Wind reactions based on MWFRS
W Brg Wid = 5.5 Min Req = 2.8 (Truss)
N Brg Wid = 5.5 Min Req = 3.3 (Truss)
Bearings W & N are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	178	- 2007	G - H	421	- 1746
B - C	239	- 3118	H - I	282	- 1551
C - D	263	- 3009	I - J	275	- 1572
D - E	257	- 2893	J - K	253	- 1542
E - F	198	- 2510	K - L	257	- 1596
F - G	198	- 2510			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
W - V	532	- 831	T - S	2673	- 622
V - U	1870	- 733	S - R	2437	- 445
U - T	2673	- 622	R - Q	1847	- 283

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - W	200	- 2406	F - R	0	- 1036
A - V	2316	- 180	G - Q	207	- 1057
V - B	171	- 1435	H - Q	265	- 636
B - U	906	0	Q - X	2404	0
E - S	396	- 171	X - Z	2430	0
E - R	378	- 59	Z - L	2473	0
R - G	1204	- 32	L - N	4	- 2676

Lumber

Top chord: 2x4 SP M-31; T4,T5 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W13 2x4 SP #2; W18 2x4 SP M-31;
Stack Chord: SC1 2x4 SP #2;

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.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

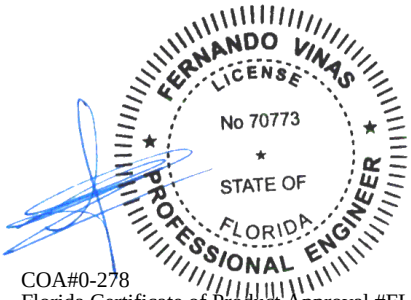
End verticals not exposed to wind pressure.

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.

The overall height of this truss excluding overhang is 10-6-0.



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06/27/2024

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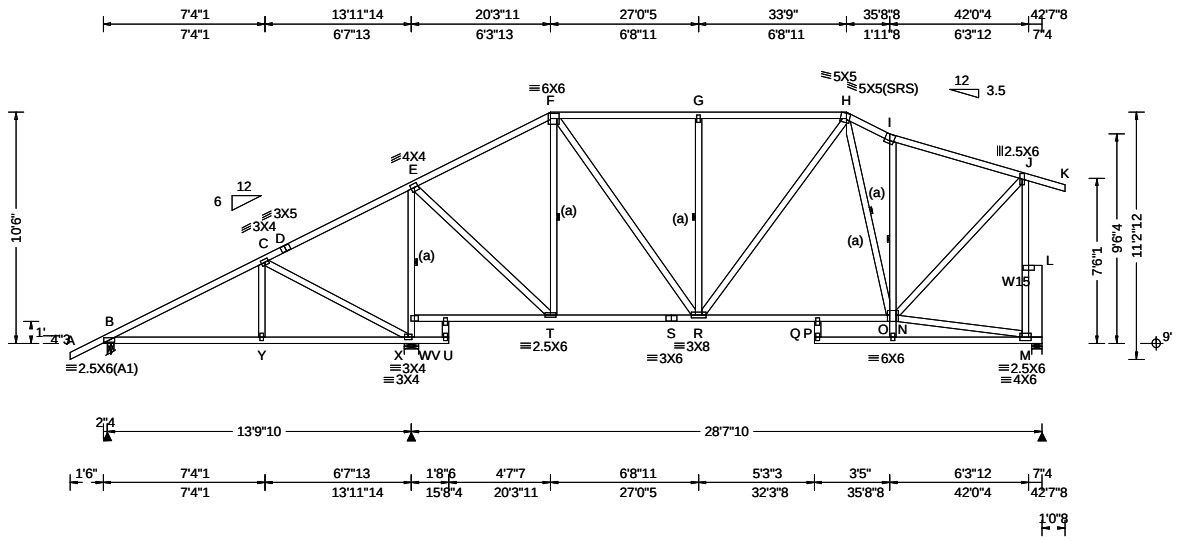
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629103 COMN FROM: RFG	Ply: 1 Qty: 2	**Job Number:** 24-1356 Sullivan **Truss Label:** C2		Cust: R 215 JRef:1Y112150006 T37 DrwNo: 178.24.1658.39850 NW / FV 06/26/2024	



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:	10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.075 Q 999 360
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.239 Q 999 240
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.013 M - -
Des Ld:	40.00	EXP: C Kzt: NA		HORZ(TL): 0.024 F - -
NCBCLL:	10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit:	2.00	TCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.552
Load Duration:	1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.632
Spacing:	24.0 "	MWFRS Parallel Dist: > 2h	Rep Fac: Yes	Max Web CSI: 0.762
		C&C Dist a: 4.26 ft ft	FT/RT:20(0)/10(0)	
		Loc. from endwall: not in 13.00 ft	Plate Type(s):	
		GCpi: 0.18	WAVE	VIEW Ver: 23.02.04.0123.14
		Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	636	/-	/-	/353	/77	/424
X	1940	/-	/-	/1222	/26	/-
M	1260	/-	/-	/692	/-	/-

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.5 (Truss)
X Brg Wid = 7.8 Min Req = 2.3 (Truss)
M Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings B, X, & M are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	350	-668	F - G	147	-987
C - D	280	-460	G - H	147	-987
D - E	337	-455	H - I	273	-916
E - F	204	-853	I - J	173	-880

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - Y	522	-221	S - R	688	-91
Y - X	519	-222	R - P	819	-86
T - S	688	-91	P - N	820	-71

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - X	207	-675	G - R	0	-450
X - W	291	-1503	I - N	242	-403
W - E	295	-1502	N - J	961	0
E - T	1016	-21	J - L	58	-1218
F - T	71	-467	L - M	147	-1281
F - R	519	0			

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W15 2x4 SP M-31;
Rt Bearing Leg: 2x8 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Wind

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

Right end vertical not exposed to wind pressure.

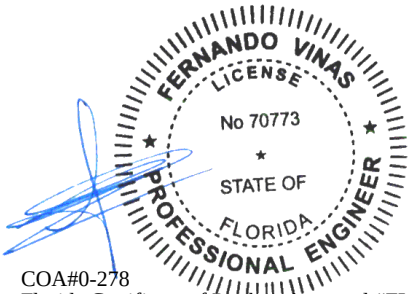
Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-6-0.

Laterally brace top chord below filler and bottom chord above filler at 24" o.c.,including a lateral brace at chord ends (If no rigid diaphragm exists at that point)



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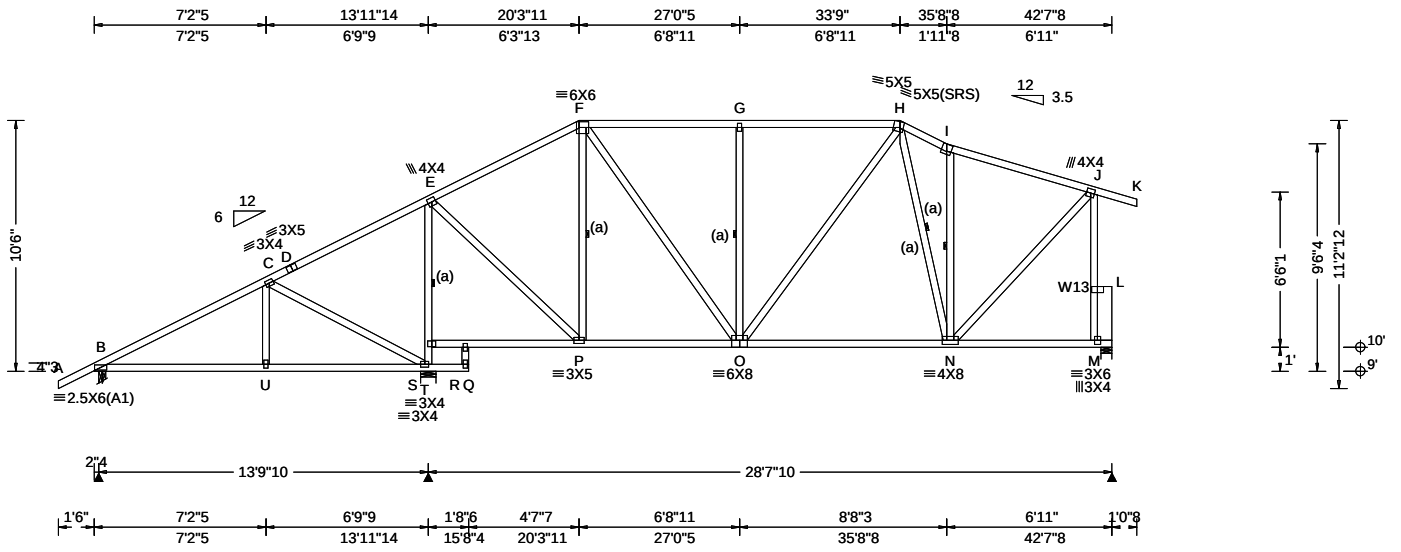
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629192 COMN FROM: RFG	Ply: 1 Qty: 3	**Job Number:** 24-1356 Sullivan **Truss Label:** C3		Cust: R 215 JRef:1Y112150006 T36 DrwNo: 178.24.1658.45140 NW / FV 06/26/2024	



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:	10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.067 G 999 360
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.122 G 999 240
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.015 F - -
Des Ld:	40.00	EXP: C Kzt: NA		HORZ(TL): 0.029 F - -
NCBCLL:	10.00	Mean Height: 15.73 ft	Building Code:	Creep Factor: 2.0
Soffit:	2.00	TCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.552
Load Duration:	1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.821
Spacing:	24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.761
		C&C Dist a: 4.26 ft ft	FT/RT:20(0)/10(0)	
		Loc. from endwall: not in 13.00 ft	Plate Type(s):	VIEW Ver: 23.02.04.0123.14
		GCpi: 0.18	WAVE	
		Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	629	/-	/-	/354	/67	/398
T	2028	/-	/-	/1220	/15	/-
M	1466	/-	/-	/686	/-	/-

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.5 (Truss)
T Brg Wid = 7.8 Min Req = 2.4 (Truss)
M Brg Wid = 5.5 Min Req = 1.7 (Truss)
Bearings B, T, & M are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	313	-651	F - G	136	-1102
C - D	264	-423	G - H	136	-1102
D - E	322	-418	H - I	276	-1056
E - F	187	-898	I - J	173	-1012

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - U	508	-217	P - O	728	-61
U - T	504	-218	O - N	932	-46

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - T	206	-674	G - O	0	-449
T - S	274	-1585	I - N	249	-425
S - E	278	-1582	N - J	1100	0
E - P	1091	0	J - L	79	-1366
F - P	57	-550	L - M	154	-1506
F - O	646	0			

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W13 2x4 SP M-31;
Rt Bearing Leg: 2x8 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Wind

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

Right end vertical not exposed to wind pressure.

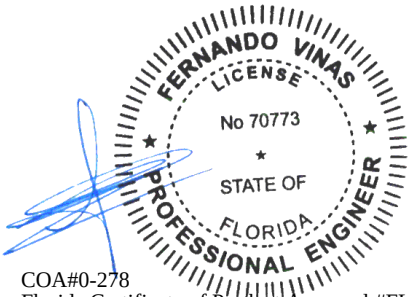
Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-6-0.

Laterally brace top chord below filler and bottom chord above filler at 24" o.c.,including a lateral brace at chord ends (If no rigid diaphragm exists at that point)



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

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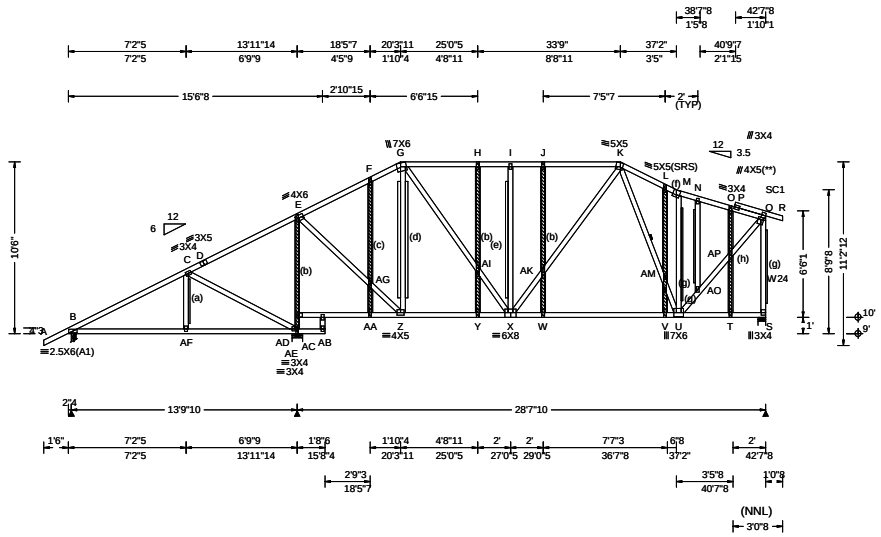
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629100 GABL	Ply: 1	**Job Number:** 24-1356		Cust: R 215 JRef:1Y112150006 T24	
FROM: RFG	Qty: 1	Sullivan		DrwNo: 178.24.1658.51660	
Page 1 of 2		**Truss Label:** C3E		NW / FV 06/26/2024	



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.73 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.26 ft ft
Loc. from endwall: not in 10.00 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)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.089	J	999	360
VERT(CL): 0.236	J	999	240
HORZ(LL): -0.027	O	-	-
HORZ(TL): 0.038	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.903
Max BC CSI: 0.904
Max Web CSI: 0.994

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	716	/-	/-	/451	/206	/609
AE	2770	/-	/-	/1340	/109	/-
S	1908	/-	/-	/771	/16	/-

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.5 (Truss)
AE Brg Wid = 7.8 Min Req = 3.3 (Truss)
S Brg Wid = 5.5 Min Req = 2.3 (Truss)
Bearings B, AE, & S are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	644	- 885	J - K	307	- 1518
C - D	559	- 702	K - L	497	- 1286
D - E	592	- 697	L - M	419	- 1324
E - F	369	- 1265	M - N	367	- 1137
F - G	417	- 1124	N - O	355	- 1179
G - H	307	- 1518	O - P	327	- 1139
H - I	307	- 1517	P - Q	331	- 1191
I - J	307	- 1517			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B -AF	587	- 243	X - W	1270	- 187
AF-AE	585	- 244	W - V	1270	- 187
Z - Y	1002	- 160	V - U	1270	- 187
Y - X	1002	- 160			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C -AE	249	- 813	X -AK	384	0
AE-AD	393	- 2279	AK- K	434	0
AD- E	389	- 2271	K -AM	94	- 421
E -AG	1486	- 147	AM- U	97	- 442
AG- Z	1461	- 130	M - U	145	- 608
G - Z	92	- 775	U -AO	1608	0
G -AI	883	0	AO-AP	1654	0
AI- X	852	0	AP- Q	1673	0
I - X	0	- 535	Q - S	166	- 1819

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W24 2x4 SP #2;
Stack Chord: SC1 2x4 SP #2;

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.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

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

Purlins

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

Wind

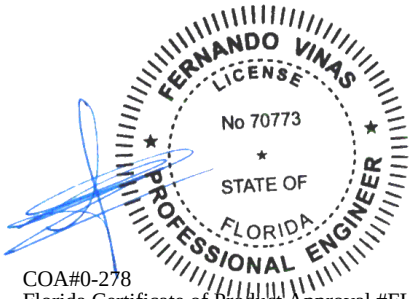
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

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/304.



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Glenview, IL 60025

Gable Reinforcement

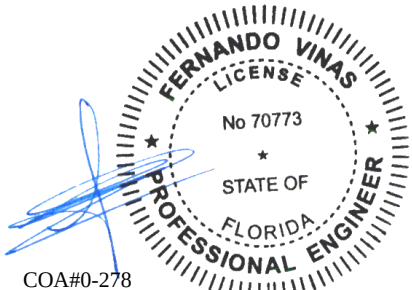
(a) 1x4 "L" reinforcement. Same species and grade as web. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.
(b) 2x6 "T" reinforcement. Any species and grade. Full truss height along web member. Attach to the wide face with 10d (0.131"x3",min.) nails @ 4" oc in the web plus (2)10d (0.131"x3",min.) nails in each chord.
(c) 2x3 "T" reinforcement. Same species and grade as web. 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.
(d) Two 2x6 "L" reinforcements. Any species and grade. 80% length of web member. Attach one to each narrow face of web with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 6" oc for the remainder.
(e) 2x6 "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.
(f) 2x4 "T" reinforcement. Same species and grade as web. 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.
(g) 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.
(h) 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.

The overall height of this truss excluding overhang is 10-6-0.



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155 Harlem Ave
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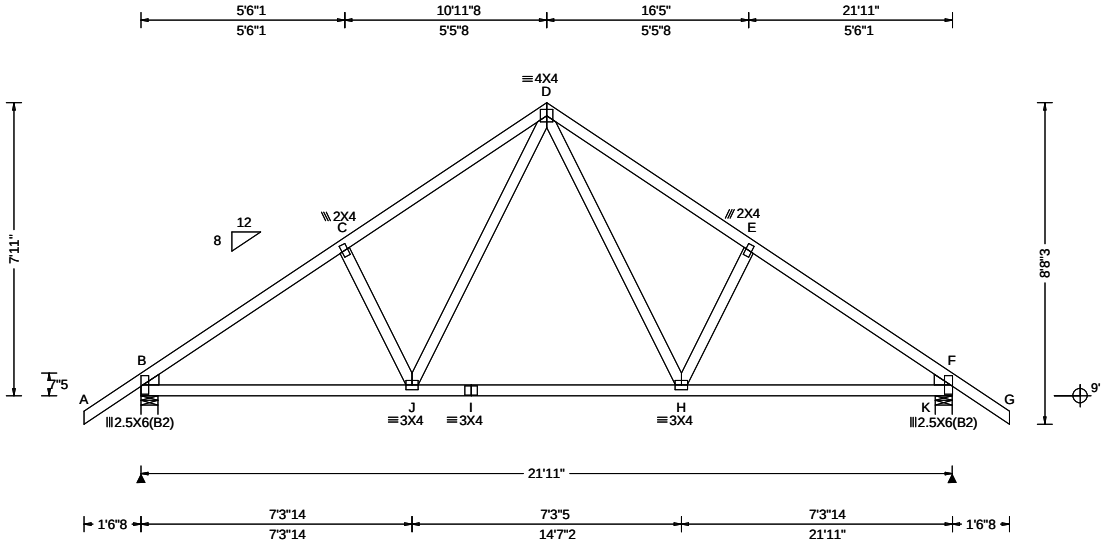
Glenview, IL 60025

SEQN: 629030 COMN FROM: RFG	Ply: 1 Qty: 11	**Job Number:** 24-1356 Sullivan **Truss Label:** D1		Cust: R 215 JRef:1Y112150006 T14 DrwNo: 178.24.1658.54037 NW / FV 06/26/2024	



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

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

Building Code:
FBC 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.056	J	999	360
VERT(CL): 0.108	J	999	240
HORZ(LL): 0.031	F	-	-
HORZ(TL): 0.060	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.520
Max BC CSI: 0.631
Max Web CSI: 0.190

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1096	/-	/-	/636	/173	/260
K	1096	/-	/-	/636	/173	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	249	- 1397	D - E	311	- 1241
C - D	312	- 1241	E - F	248	- 1397

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - J	1070	- 106	I - H	739	- 23
J - I	739	- 23	H - F	1070	- 88

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
J - D	500	- 108	D - H	499	- 108

Lumber

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

Loading

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

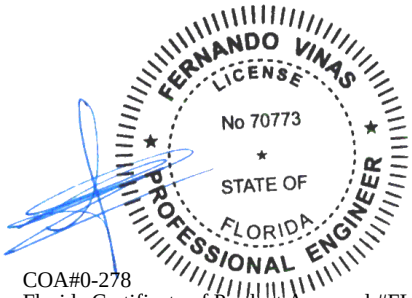
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 7-11-0.



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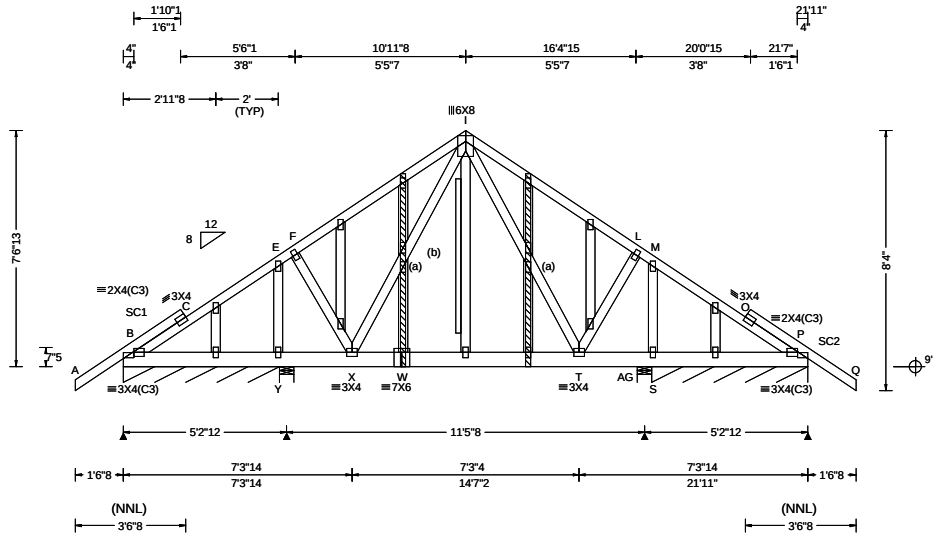
Glenview, IL 60025

SEQN: 629042 GABL	Ply: 1	**Job Number:** 24-1356		Cust: R 215 JRef:1Y112150006 T20	
FROM: RFG	Qty: 1	Sullivan		DrwNo: 178.24.1659.05520	
Page 1 of 2		**Truss Label:** D1E		NW / FV 06/26/2024	



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:	10.00	Speed: 130 mph	Pf: NA		Ce: NA	VERT(LL):	0.019	H	999	360	
BCLL:	0.00	Enclosure: Closed	Lu: NA	Cs: NA		VERT(CL):	0.045	H	999	240	
BCDL:	10.00	Risk Category: II	Snow Duration: NA			HORZ(LL):	0.009	G	-	-	
Des Ld:	40.00	EXP: C Kzt: NA				HORZ(TL):	0.020	G	-	-	
NCBCLL:	10.00	Mean Height: 15.00 ft	Building Code:			Creep Factor: 2.0					
Soffit:	2.00	TCDL: 5.0 psf	FBC 8th Ed. 2023 Res.			Max TC CSI:	0.336				
Load Duration:	1.25	BCDL: 5.0 psf	TPI Std: 2014			Max BC CSI:	0.230				
Spacing:	24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Varies by Ld Case			Max Web CSI:	0.786				
		C&C Dist a: 3.00 ft ft	FT/RT:20(0)/10(0)								
		Loc. from endwall: Any	Plate Type(s):								
		GCpi: 0.18	WAVE			VIEW Ver: 23.02.04.0123.14					
		Wind Duration: 1.60									

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B*	199	/-	/-	/-	/35	/-
Y	350	/-	/-	/-	/60	/-
AG	352	/-	/-	/-	/60	/-
P*	199	/-	/-	/-	/35	/-

Wind reactions based on MWFRS
B Brg Wid = 60.0 Min Req = -
Y Brg Wid = 5.5 Min Req = 1.5 (Truss)
AG Brg Wid = 5.5 Min Req = 1.5 (Truss)
P Brg Wid = 60.0 Min Req = -
Bearings B, Y, AG, & S are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	213	-533	I - L	113	-623
C - E	94	-483	L - M	126	-659
E - F	127	-660	M - O	93	-482
F - I	114	-626	O - P	216	-532

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - Y	394	-75	W - T	472	-86
Y - X	743	-138	T - S	741	-137
X - W	472	-86	S - P	393	-74

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.	Gables	Tens.	Comp.
E - Y	111	-526	S - M	111	-525

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #3;
Stack Chord: SC1 2x4 SP #2;
Stack Chord: SC2 2x4 SP #2;

Special Loads

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

TC: From	64 plf at	-1.54 to	64 plf at	7.06	
TC: From	32 plf at	7.06 to	32 plf at	14.85	
TC: From	64 plf at	14.85 to	64 plf at	23.46	
BC: From	5 plf at	-1.54 to	5 plf at	0.00	
BC: From	20 plf at	0.00 to	20 plf at	7.06	
BC: From	10 plf at	7.06 to	10 plf at	14.85	
BC: From	20 plf at	14.85 to	20 plf at	21.92	
BC: From	5 plf at	21.92 to	5 plf at	23.46	

BC: 15 lb Conc. Load at 7.06, 9.06,10.85,12.85 14.85

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

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

Wind

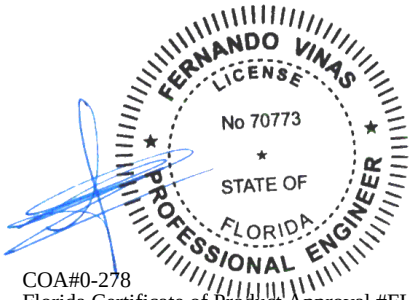
Wind loads and reactions based on MWFRS.

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/196.

Gable Reinforcement

(a) 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.
(b) 2x4 "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.



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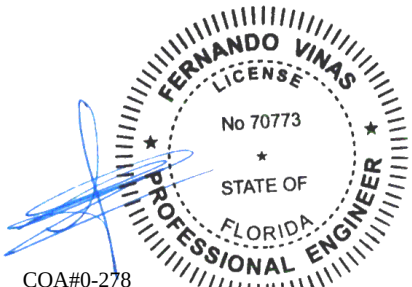
Glenview, IL 60025

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.

The overall height of this truss excluding overhang is 7-6-13.



COA#0-278
Florida Certificate of Product Approval #FL1999
06/27/2024

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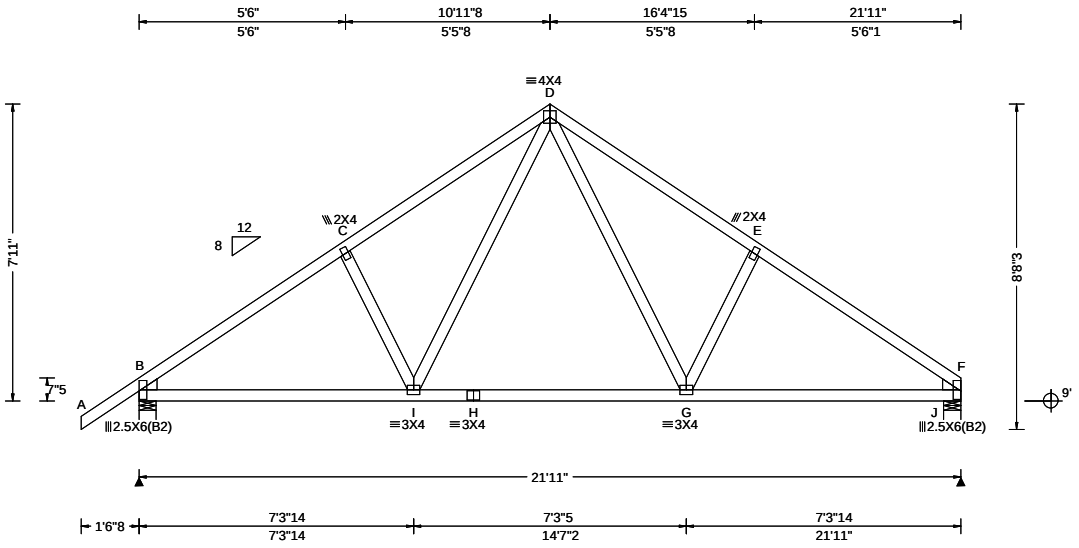
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629032 COMN FROM: RFG	Ply: 1 Qty: 2	**Job Number:** 24-1356 Sullivan **Truss Label:** D2	Cust: R 215 JRef:1Y112150006 T16 DrwNo: 178.24.1659.08850 NW / FV 06/26/2024	



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft 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)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.062	G	999	360
VERT(CL): 0.120	G	999	240
HORZ(LL): 0.030	F	-	-
HORZ(TL): 0.057	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.520
Max BC CSI: 0.726
Max Web CSI: 0.193

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1090	/-	/-	/631	/14	/240
J	996	/-	/-	/544	/6	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	249	- 1389	D - E	323	- 1223
C - D	312	- 1233	E - F	258	- 1381

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - I	1064	- 129	H - G	729	0
I - H	729	0	G - F	1529	- 155

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
I - D	507	- 107	D - G	482	- 109

Lumber

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

Loading

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

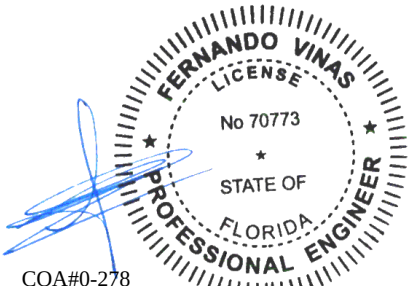
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 7-11-0.



COA#0-278
Florida Certificate of Product Approval #FL1999
06/27/2024

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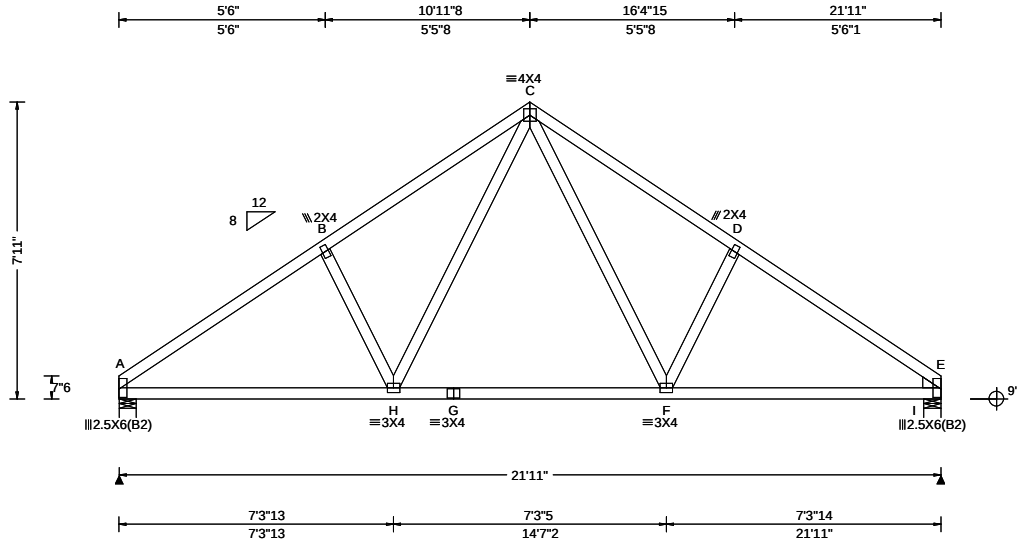
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629034 COMN FROM: RFG	Ply: 1 Qty: 1	**Job Number:** 24-1356 Sullivan **Truss Label:** D3		Cust: R 215 JRef:1Y112150006 T17 DrwNo: 178.24.1659.10910 NW / FV 06/26/2024	



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: > 2h
C&C Dist a: 3.00 ft 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)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.047	F	999	360
VERT(CL): 0.099	F	999	240
HORZ(LL): 0.022	E	-	-
HORZ(TL): 0.047	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.353
Max BC CSI: 0.630
Max Web CSI: 0.171

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	912	/-	/-	/535	/-	/202
I	930	/-	/-	/545	/-	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	266	- 1276	C - D	326	- 1101
B - C	330	- 1123	D - E	260	- 1259

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - H	979	- 141	G - F	659	- 3
H - G	659	- 3	F - E	1382	- 161

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
H - C	448	- 117	C - F	405	- 109

Lumber

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

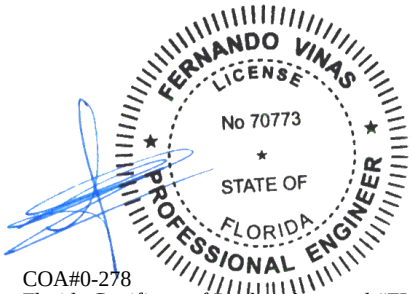
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 7-11-0.



COA#0-278
Florida Certificate of Product Approval #FL1999
06/27/2024

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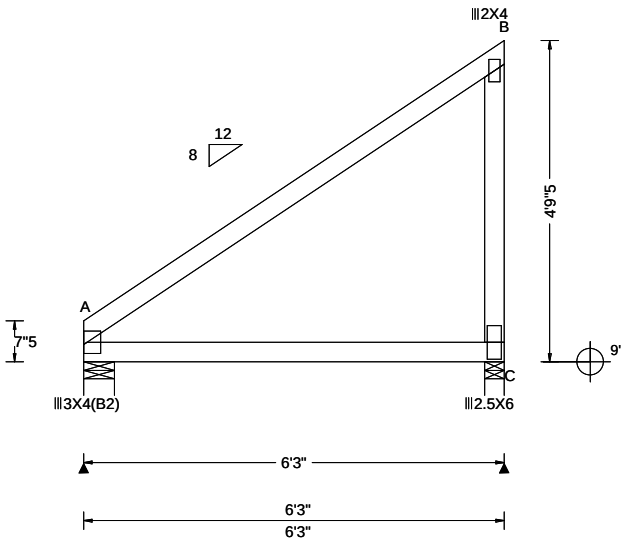
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629036 MONO FROM: RFG	Ply: 1 Qty: 2	**Job Number:** 24-1356 Sullivan **Truss Label:** D4	Cust: R 215 JRef:1Y112150006 T41 DrwNo: 178.24.1659.13503 NW / FV 06/26/2024	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft 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)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.012 B - - HORZ(TL): 0.025 B - - Creep Factor: 2.0 Max TC CSI: 0.744 Max BC CSI: 0.460 Max Web CSI: 0.084 VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	264	/-	/-	/162	/-	/107
C	262	/-	/-	/209	/51	/-

Wind reactions based on MWFRS
A Brg Wid = 5.5 Min Req = 1.5 (Truss)
C Brg Wid = 3.5 Min Req = 1.5 (Truss)
Bearings A & C are a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

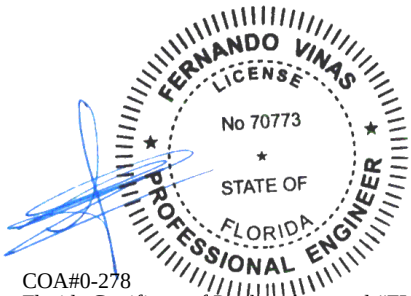
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 4-9-5.



COA#0-278
Florida Certificate of Product Approval #FL1999
06/27/2024

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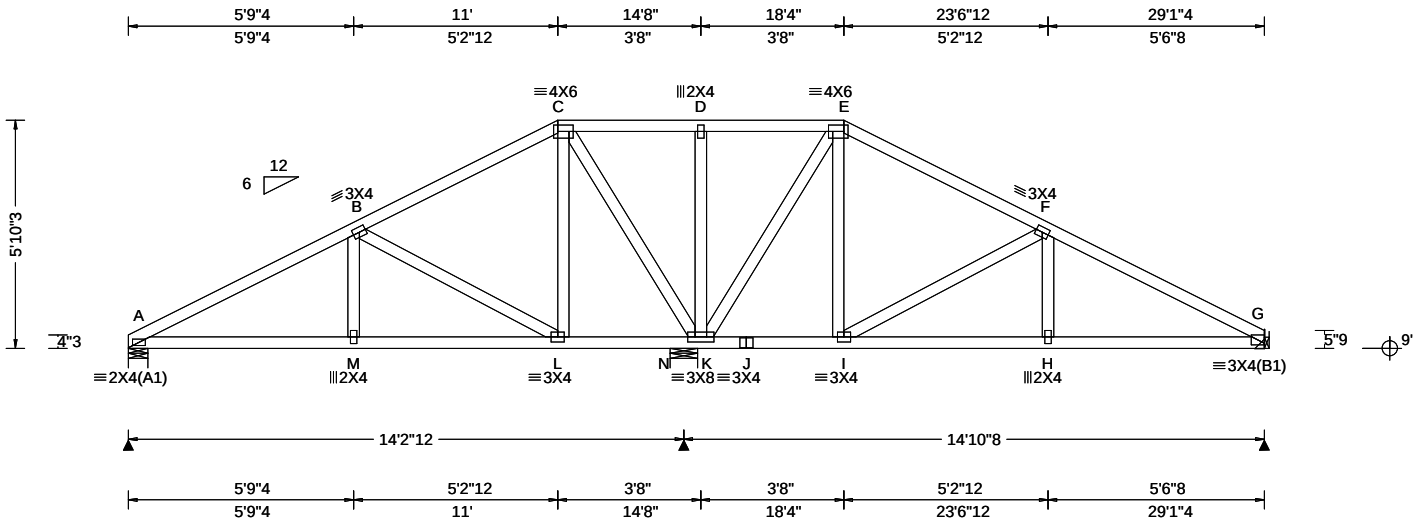
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629050 COMN FROM: RFG	Ply: 1 Qty: 1	**Job Number:** 24-1356 Sullivan **Truss Label:** G1	Cust: R 215 JRef:1Y112150006 T40 DrwNo: 178.24.1659.16940 NW / FV 06/26/2024



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft 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)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.025 I	999	360
VERT(CL):	0.048 H	999	240
HORZ(LL):	0.013 G	-	-
HORZ(TL):	0.028 G	-	-

Creep Factor: 2.0
Max TC CSI: 0.335
Max BC CSI: 0.619
Max Web CSI: 0.494

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	580	/-	/-	/359	/104	/142
N	1217	/-	/-	/650	/208	/-
G	606	/-	/-	/395	/108	/-

Wind reactions based on MWFRS
A Brg Wid = 6.0 Min Req = 1.5 (Truss)
N Brg Wid = 8.5 Min Req = 1.5 (Truss)
G Brg Wid = - Min Req = -
Bearings A & N are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	268	- 878	F - G	289	- 909
E - F	252	- 446			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - M	727	- 202	I - H	748	- 199
M - L	723	- 203	H - G	750	- 197
L - K	495	- 79			

Maximum Web Forces Per Ply (lbs)

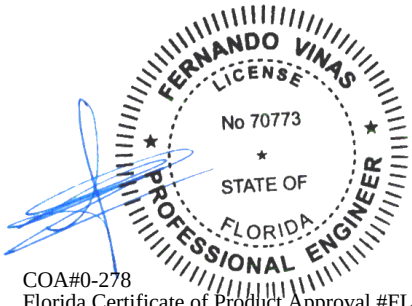
Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - L	189	- 555	E - I	416	- 64
C - K	138	- 484	I - F	166	- 483
K - E	193	- 607			

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

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

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

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



COA#0-278
Florida Certificate of Product Approval #FL1999
06/27/2024

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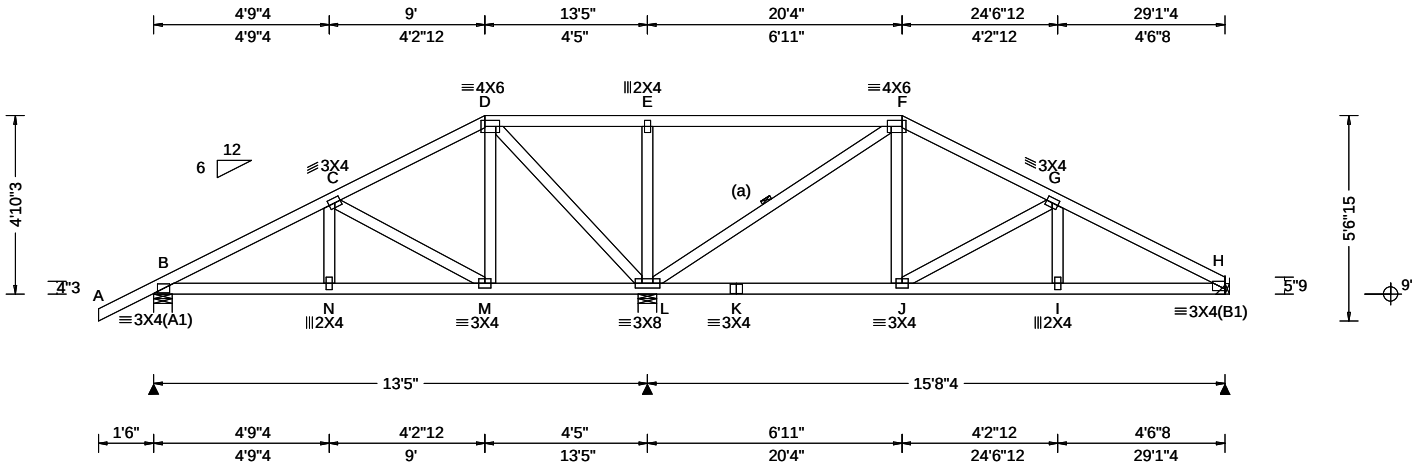
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629052 COMN FROM: RFG	Ply: 1 Qty: 1	**Job Number:** 24-1356 Sullivan **Truss Label:** G2	Cust: R 215 JRef:1Y112150006 T39 DrwNo: 178.24.1659.18950 NW / FV 06/26/2024



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft 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)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.017	I	999	360
VERT(CL): 0.036	I	999	240
HORZ(LL): 0.008	H	-	-
HORZ(TL): 0.017	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.707
Max BC CSI: 0.344
Max Web CSI: 0.458

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	540	/-	/-	/345	/91	/137
L	1500	/-	/-	/784	/277	/-
H	537	/-	/-	/342	/84	/-

Wind reactions based on MWFRS
B Brg Wid = 6.0 Min Req = 1.5 (Truss)
L Brg Wid = 6.0 Min Req = 1.8 (Truss)
H Brg Wid = - Min Req = -
Bearings B & L are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	110	-581	F - G	194	-448
D - E	421	-50	G - H	244	-808
E - F	421	-49			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - N	469	-102	J - I	669	-170
N - M	466	-103	I - H	671	-169

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - M	161	-423	L - F	302	-834
D - L	206	-627	F - J	376	-25
E - L	432	-462	J - G	167	-390

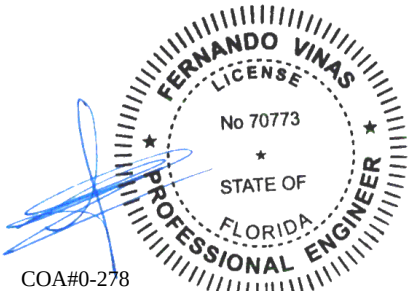
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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

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

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

Additional Notes
The overall height of this truss excluding overhang is 4-10-3.



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Florida Certificate of Product Approval #FL1999
06/27/2024

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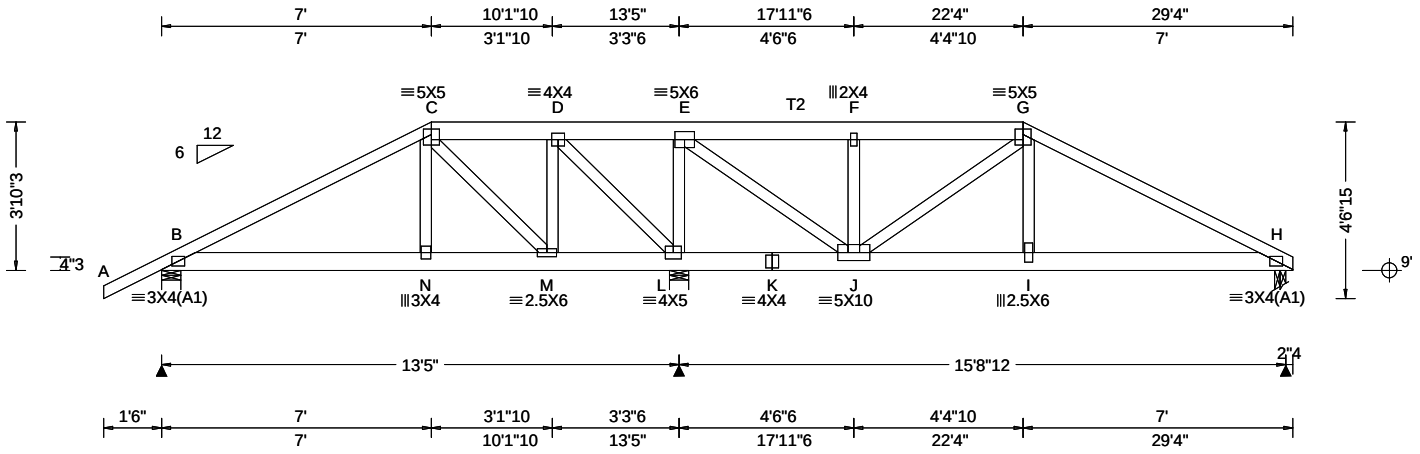
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629076 HIPS FROM: RFG	Ply: 1 Qty: 1	**Job Number:** 24-1356 Sullivan **Truss Label:** G3		Cust: R 215 JRef:1Y112150006 T6 DrwNo: 178.24.1659.53707 NW / FV 06/26/2024	



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: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.040 I 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.081 I 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.010 H - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.020 H - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.483
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.472
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Varies by Ld Case	Max Web CSI: 0.868
	C&C Dist a: 3.00 ft ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 4.50 ft	Plate Type(s):	VIEW Ver: 23.02.04.0123.14
	GCpi: 0.18	WAVE	
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	779	/-	/-	/-	/171	/-
L	3762	/-	/-	/-	/856	/-
H	1023	/-	/-	/-	/215	/-

Wind reactions based on MWFRS
B Brg Wid = 6.0 Min Req = 1.5 (Truss)
L Brg Wid = 6.0 Min Req = 4.4 (Truss)
H Brg Wid = 3.5 Min Req = 1.5 (Truss)
Bearings B, L, & H are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	223	-1009	F - G	180	-829
D - E	1204	-275	G - H	411	-1798
E - F	179	-826			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - N	831	-170	K - J	224	-1030
N - M	805	-169	J - I	1512	-339
L - K	224	-1030	I - H	1539	-339

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
N - C	625	-18	E - J	2278	-510
C - M	249	-1116	F - J	264	-526
M - D	986	-144	J - G	202	-898
D - L	406	-1725	G - I	652	-18
L - E	594	-2025			

Lumber

Top chord: 2x4 SP #2; T2 2x6 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #3;

Special Loads

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

TC: From	62 plf at	-1.50 to	62 plf at	7.00	
TC: From	31 plf at	7.00 to	31 plf at	22.33	
TC: From	62 plf at	22.33 to	62 plf at	29.33	
BC: From	4 plf at	-1.50 to	4 plf at	0.00	
BC: From	20 plf at	0.00 to	20 plf at	7.03	
BC: From	10 plf at	7.03 to	10 plf at	22.30	
BC: From	20 plf at	22.30 to	20 plf at	29.33	

TC: 260 lb Conc. Load at 7.03
TC: 187 lb Conc. Load at 9.06,11.06,13.06
TC: 186 lb Conc. Load at 14.67,16.27,18.27,20.27
TC: 259 lb Conc. Load at 22.30
BC: 463 lb Conc. Load at 7.03
BC: 129 lb Conc. Load at 9.06,11.06,13.06,14.67
16.27,18.27,20.27
BC: 455 lb Conc. Load at 22.30

Wind

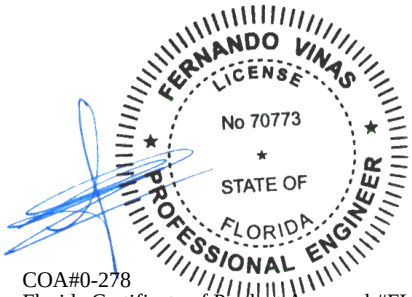
Wind loads and reactions based on MWFRS.

Right cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

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



COA#0-278
Florida Certificate of Product Approval #FL1999
06/27/2024

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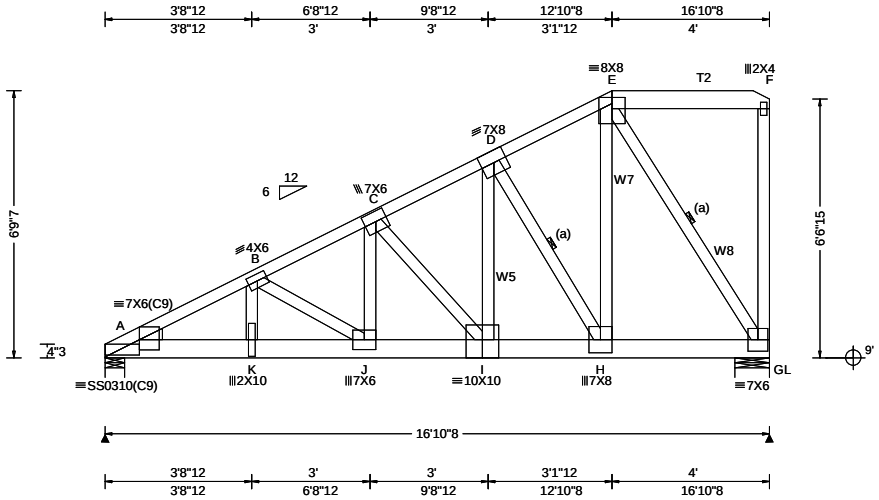
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629048 COMN FROM: RFG	Ply: 2 Qty: 1	**Job Number:** 24-1356 Sullivan **Truss Label:** H1	Cust: R 215 JRef:1Y112150006 T64 DrwNo: 178.24.1700.12257 NW / FV 06/26/2024	

2 Complete Trusses Required



Loading Criteria (psf)

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

Wind Criteria
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft 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: No
FT/RT:20(0)/10(0)
Plate Type(s):
18SS, WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.145	J	999	360
VERT(CL): 0.289	J	693	240
HORZ(LL): 0.038	B	-	-
HORZ(TL): 0.076	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.502
Max BC CSI: 0.712
Max Web CSI: 0.965

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	8557	/-	/-	/-	/683	/-
L	8993	/-	/-	/-	/575	/-

Wind reactions based on MWFRS
A Brg Wid = 6.0 Min Req = 3.5 (Truss)
L Brg Wid = 10.5 Min Req = 3.7 (Truss)
Bearings A & L are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	644	- 8233	C - D	368	- 5111
B - C	516	- 6798	D - E	210	- 3187

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - K	7347	- 569	I - H	4389	- 310
K - J	7287	- 565	H - G	2597	- 166
J - I	5914	- 442			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
K - B	1378	- 94	I - D	3503	- 260
B - J	134	- 1466	D - H	262	- 3113
J - C	2300	- 176	H - E	5412	- 312
C - I	189	- 2141	E - G	311	- 4878

Lumber

Top chord: 2x4 SP M-31; T2 2x6 SP #2;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W5,W8 2x4 SP #2;
W7 2x4 SP M-31;
Lt Wedge: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Nailnote

Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 3.00" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

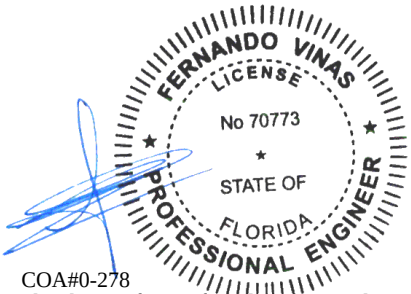
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 62 plf at 0.00 to 62 plf at 16.46
TC: From 60 plf at 16.46 to 60 plf at 16.88
BC: From 10 plf at 0.00 to 10 plf at 14.23
BC: From 20 plf at 14.23 to 20 plf at 16.88
BC: 1944 lb Conc. Load at 2.10, 4.10, 6.10, 8.10 10.10
BC: 2657 lb Conc. Load at 11.06
BC: 1963 lb Conc. Load at 13.06,14.23

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 6-9-7.



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Florida Certificate of Product Approval #FL1999
06/27/2024

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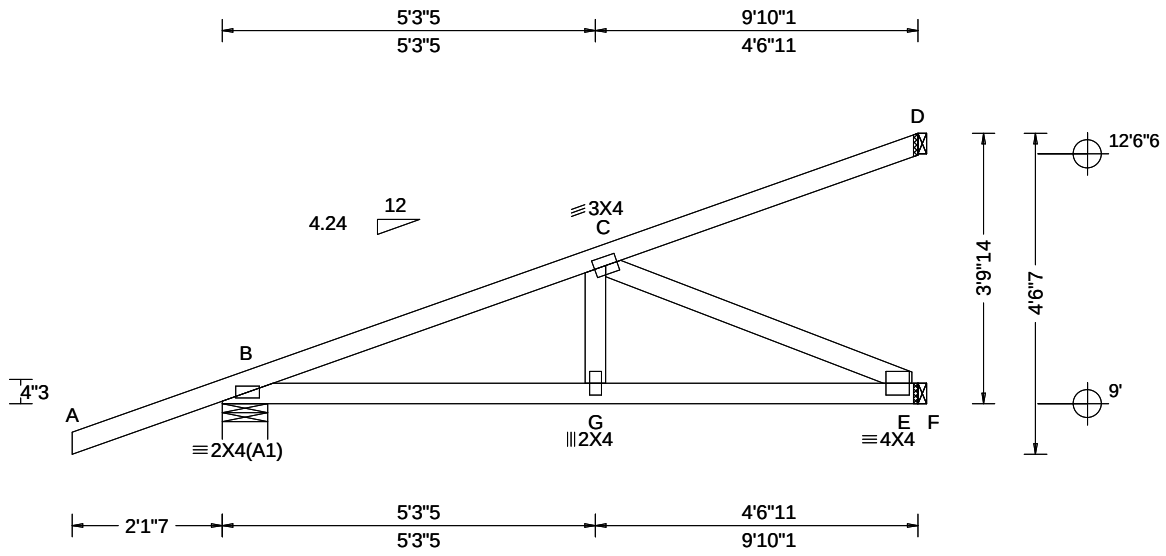
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629061 HIP_ FROM: RFG	Ply: 1 Qty: 1	**Job Number:** 24-1356 Sullivan **Truss Label:** HJ1	Cust: R 215 JRef:1Y112150006 T12 DrwNo: 178.24.1700.35700 NW / FV 06/26/2024



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

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

Building Code:
FBC 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.018	G	999	360
VERT(CL): 0.035	G	999	240
HORZ(LL): 0.005	F	-	-
HORZ(TL): 0.010	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.536
Max BC CSI: 0.562
Max Web CSI: 0.340

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	366	/-	/-	/-	/205	/-
E	334	/-	/-	/-	/78	/-
D	73	/-	/-	/-	/25	/-

Wind reactions based on MWFRS
B Brg Wid = 7.7 Min Req = 1.5 (Truss)
E Brg Wid = 1.5 Min Req = -
D Brg Wid = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - C	245	- 685

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - G	651	- 203	G - F	640	- 204

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
C - F	223	- 700

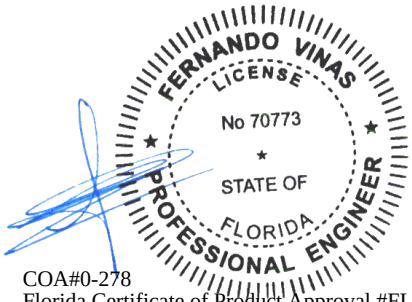
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Special Loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 0 plf at -2.12 to 61 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 9.84
BC: From 0 plf at -2.12 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 9.84
TC: -43 lb Conc. Load at 1.38
TC: 123 lb Conc. Load at 4.21
TC: 253 lb Conc. Load at 7.03
BC: 6 lb Conc. Load at 1.38
BC: 97 lb Conc. Load at 4.21
BC: 178 lb Conc. Load at 7.03

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

Additional Notes
The overall height of this truss excluding overhang is 3-9-14.

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (3)16d common nails(0.162"x3.5"), toe nailed at Bot chord.



COA#0-278
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06/27/2024

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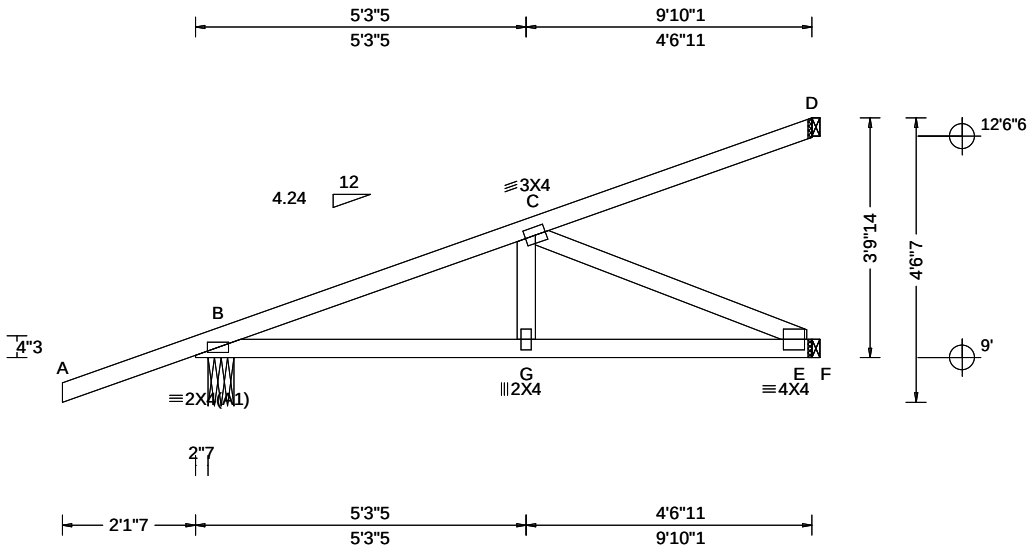
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629073 HIP_ FROM: RFG	Ply: 1 Qty: 1	**Job Number:** 24-1356 Sullivan **Truss Label:** HJ1A	Cust: R 215 JRef:1Y112150006 T2 DrwNo: 178.24.1700.50427 NW / FV 06/26/2024



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

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

Building Code:
FBC 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.018	G	999	360
VERT(CL): 0.035	G	999	240
HORZ(LL): 0.005	F	-	-
HORZ(TL): 0.010	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.535
Max BC CSI: 0.557
Max Web CSI: 0.331

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	368	/-	/-	/-	/224	/-
E	327	/-	/-	/-	/79	/-
D	73	/-	/-	/-	/25	/-

Wind reactions based on MWFRS
B Brg Wid = 4.9 Min Req = 1.5 (Truss)
E Brg Wid = 1.5 Min Req = -
D Brg Wid = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - C	254	- 668

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - G	634	- 206	G - F	623	- 207

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
C - F	227	- 682

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

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

TC: From	0 plf at	-2.12 to	61 plf at	0.00
TC: From	2 plf at	0.00 to	2 plf at	9.84
BC: From	0 plf at	-2.12 to	4 plf at	0.00
BC: From	2 plf at	0.00 to	2 plf at	9.84

TC: -41 lb Conc. Load at 1.38
TC: 118 lb Conc. Load at 4.21
TC: 250 lb Conc. Load at 7.03
BC: 9 lb Conc. Load at 1.38
BC: 95 lb Conc. Load at 4.21
BC: 176 lb Conc. Load at 7.03

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

Additional Notes
The overall height of this truss excluding overhang is 3-9-14.

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (3)16d common nails(0.162"x3.5"), toe nailed at Bot chord.

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278
Florida Certificate of Product Approval #FL1999
06/27/2024

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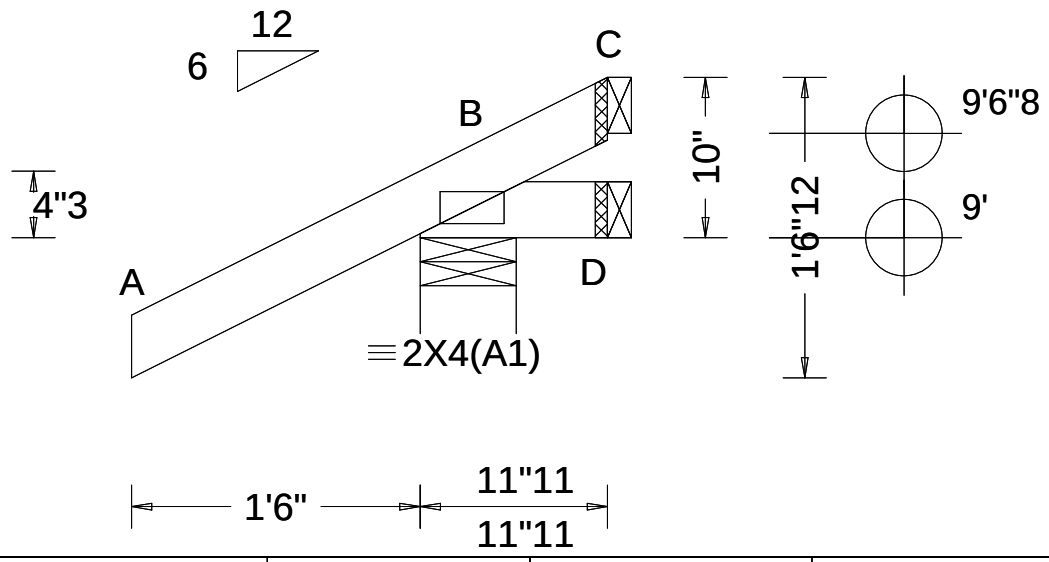
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629055 JACK FROM: RFG	Ply: 1 Qty: 2	**Job Number:** 24-1356 Sullivan **Truss Label:** J1		Cust: R 215 JRef:1Y112150006 T5 DrwNo: 178.24.1700.54640 NW / FV 06/26/2024	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft 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)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.243 Max BC CSI: 0.033 Max Web CSI: 0.000 VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	256	/-	/-	/204	/71	/38
D	3	/-18	/-	/16	/17	/-
C	-	/-57	/-	/35	/54	/-

Wind reactions based on MWFRS
B Brg Wid = 6.0 Min Req = 1.5 (Truss)
D Brg Wid = 1.5 Min Req = -
C Brg Wid = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 0-10-0.

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278
Florida Certificate of Product Approval #FL1999
06/27/2024

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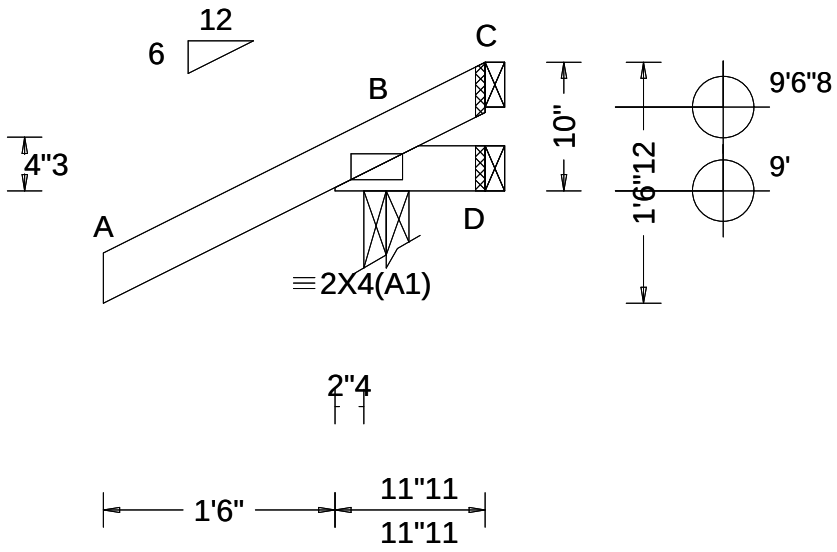
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629071 JACK FROM: RFG	Ply: 1 Qty: 2	**Job Number:** 24-1356 Sullivan **Truss Label:** J1A	Cust: R 215 JRef:1Y112150006 T9 DrwNo: 178.24.1700.57543 NW / FV 06/26/2024



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft 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)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.250 Max BC CSI: 0.035 Max Web CSI: 0.000 VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	251	/-	/-	/219	/79	/37
D	4	/-18	/-	/16	/17	/-
C	-	/-62	/-	/39	/64	/-

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

Lumber

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

Wind

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

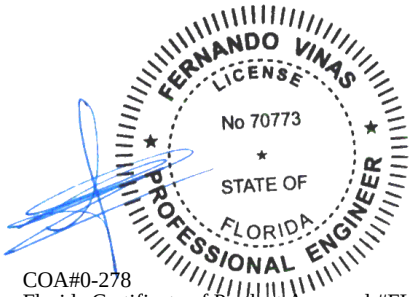
Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 0-10-0.

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.



COA#0-278
Florida Certificate of Product Approval #FL1999
06/27/2024

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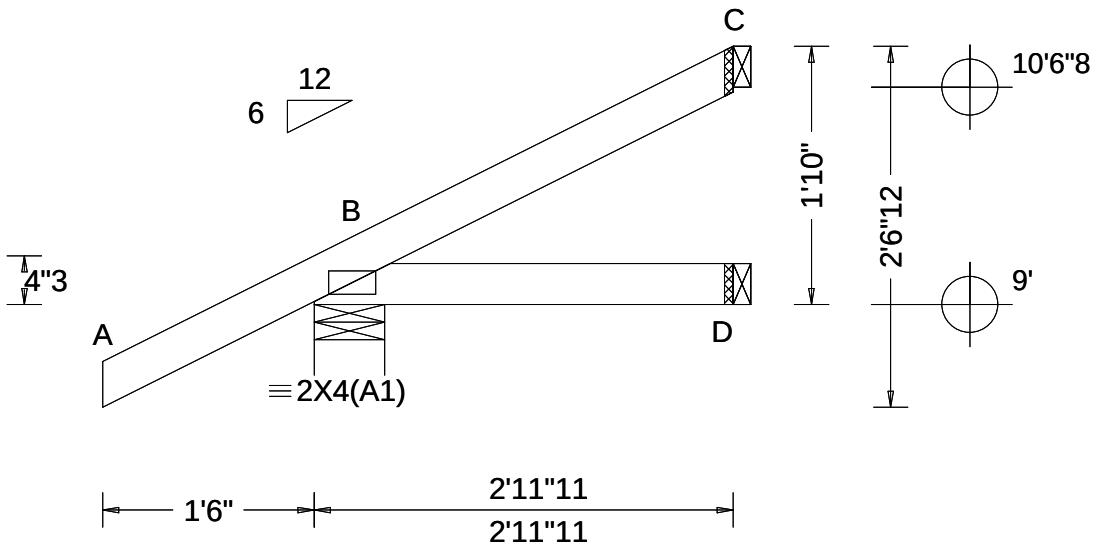
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629057 JACK FROM: RFG	Ply: 1 Qty: 2	**Job Number:** 24-1356 Sullivan **Truss Label:** J3		Cust: R 215 JRef:1Y112150006 T4 DrwNo: 178.24.1701.00300 NW / FV 06/26/2024	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.205 Max BC CSI: 0.062 Max Web CSI: 0.000 VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	261	/-	/-	/190	/42	/73
D	49	/-	/-	/26	/-	/-
C	61	/-	/-	/35	/34	/-

Wind reactions based on MWFRS
B Brg Wid = 6.0 Min Req = 1.5 (Truss)
D Brg Wid = 1.5 Min Req = -
C Brg Wid = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

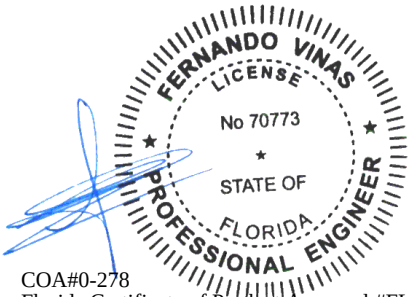
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 1-10-0.

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.



COA#0-278
Florida Certificate of Product Approval #FL1999
06/27/2024

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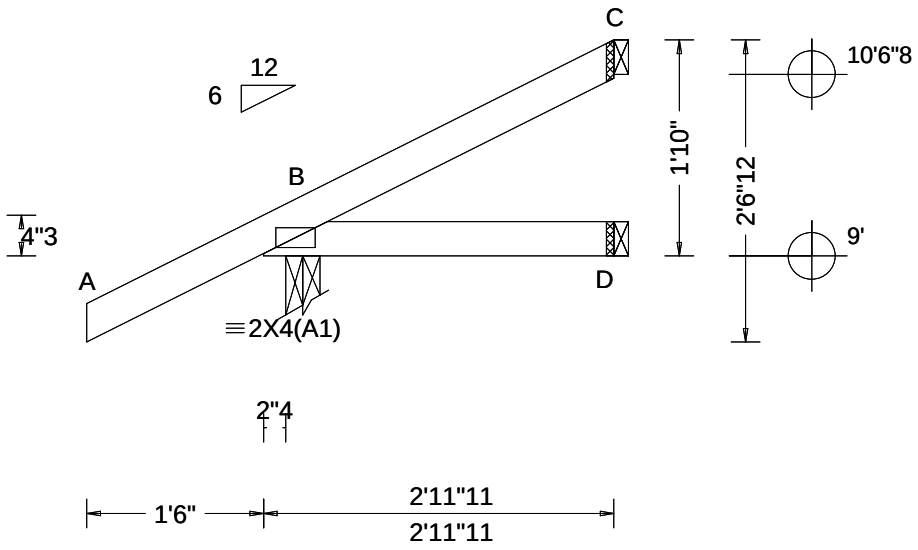
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629069 JACK FROM: RFG	Ply: 1 Qty: 2	**Job Number:** 24-1356 Sullivan **Truss Label:** J3A	Cust: R 215 JRef:1Y112150006 T8 DrwNo: 178.24.1701.02633 NW / FV 06/26/2024



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: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 B - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 B - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.214
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.060
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.000
	C&C Dist a: 3.00 ft ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 4.50 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 23.02.04.0123.14
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	265	/-	/-	/193	/43	/73
D	48	/-	/-	/25	/-	/-
C	59	/-	/-	/33	/33	/-

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

Lumber

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

Wind

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

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 1-10-0.

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278
Florida Certificate of Product Approval #FL1999
06/27/2024

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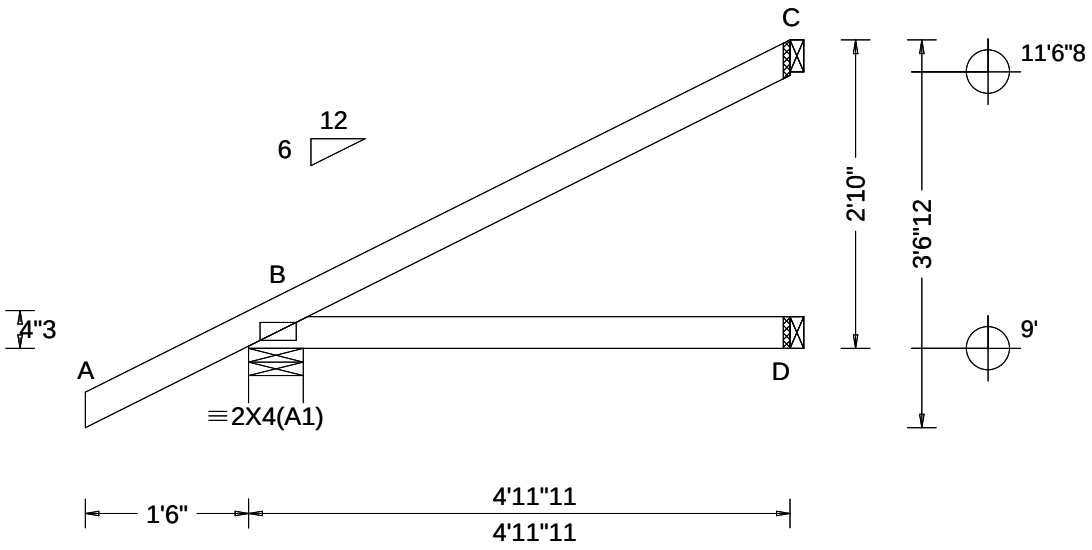
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629059 JACK FROM: RFG	Ply: 1 Qty: 2	**Job Number:** 24-1356 Sullivan **Truss Label:** J5	Cust: R 215 JRef:1Y112150006 T3 DrwNo: 178.24.1701.05350 NW / FV 06/26/2024



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: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.004 B - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.008 B - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.314
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.230
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.000
	C&C Dist a: 3.00 ft ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 4.50 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 23.02.04.0123.14
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	330	/-	/-	/230	/44	/109
D	89	/-	/-	/48	/-	/-
C	127	/-	/-	/79	/65	/-

Wind reactions based on MWFRS
B Brg Wid = 6.0 Min Req = 1.5 (Truss)
D Brg Wid = 1.5 Min Req = -
C Brg Wid = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

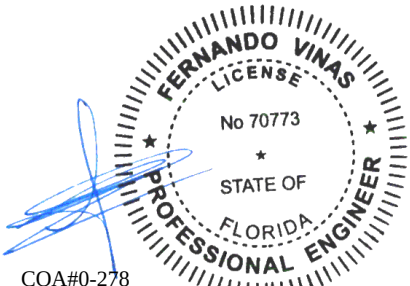
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 2-10-0.

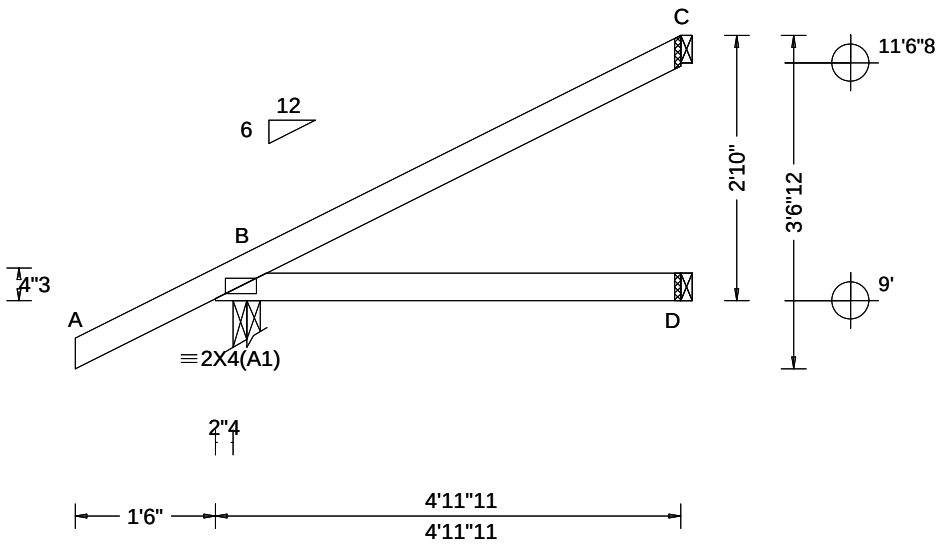
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.



COA#0-278
Florida Certificate of Product Approval #FL1999
06/27/2024

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

SEQN: 629067 JACK FROM: RFG	Ply: 1 Qty: 2	**Job Number:** 24-1356 Sullivan **Truss Label:** J5A	Cust: R 215 JRef:1Y112150006 T7 DrwNo: 178.24.1701.07817 NW / FV 06/26/2024



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: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.004 B - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.007 B - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.311
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.226
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.000
	C&C Dist a: 3.00 ft ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 4.50 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 23.02.04.0123.14
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	333	/-	/-	/233	/44	/109
D	88	/-	/-	/47	/-	/-
C	125	/-	/-	/77	/64	/-

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

Lumber

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

Wind

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

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 2-10-0.

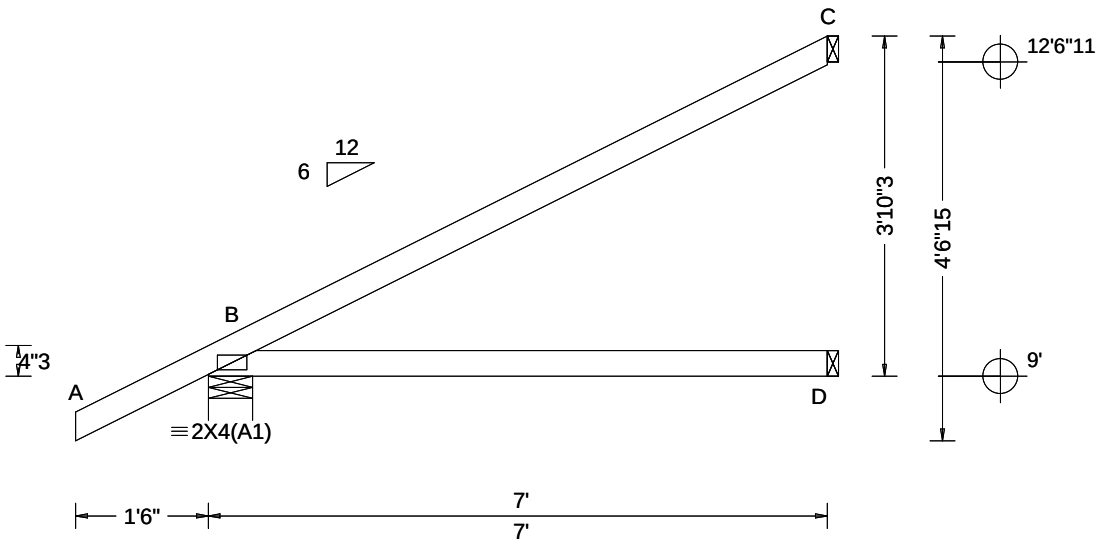
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278
Florida Certificate of Product Approval #FL1999
06/27/2024

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

SEQN: 629063 EJAC FROM: RFG	Ply: 1 Qty: 4	**Job Number:** 24-1356 Sullivan **Truss Label:** J7		Cust: R 215 JRef:1Y112150006 T10 DrwNo: 178.24.1701.10580 NW / FV 06/26/2024	



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: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.014 B - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.028 B - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.713
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.512
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes	Max Web CSI: 0.000
	C&C Dist a: 3.00 ft ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 4.50 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 23.02.04.0123.14
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	408	/-	/-	/279	/47	/145
D	129	/-	/-	/73	/-	/-
C	187	/-	/-	/118	/94	/-

Wind reactions based on MWFRS
B Brg Wid = 6.0 Min Req = 1.5 (Truss)
D Brg Wid = 1.5 Min Req = -
C Brg Wid = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

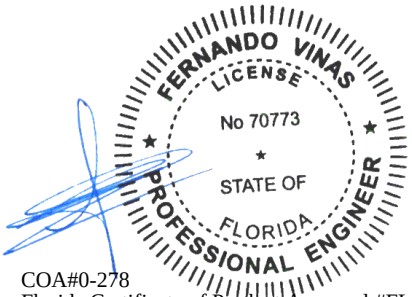
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

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

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.



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Florida Certificate of Product Approval #FL1999
06/27/2024

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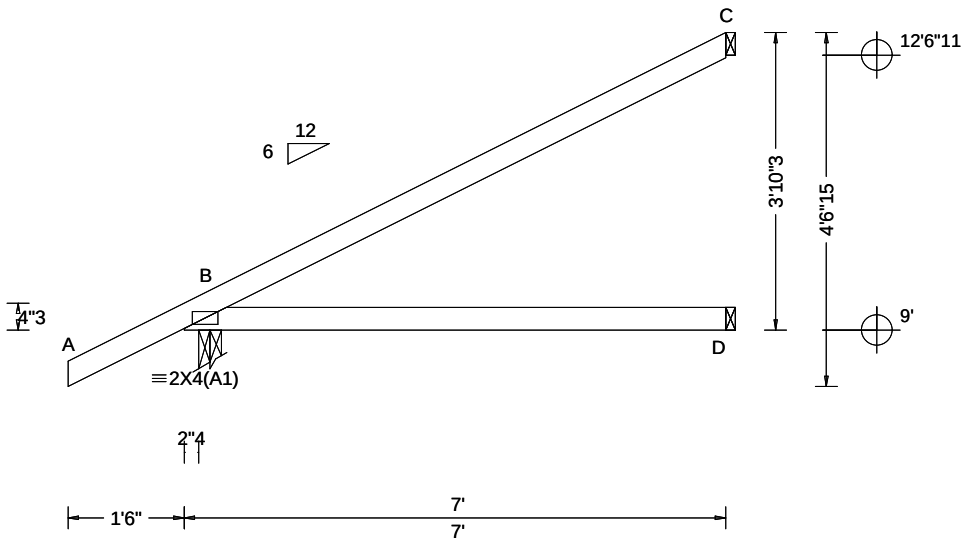
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629065 EJAC FROM: RFG	Ply: 1 Qty: 5	**Job Number:** 24-1356 Sullivan **Truss Label:** J7A	Cust: R 215 JRef:1Y112150006 T11 DrwNo: 178.24.1701.13597 NW / FV 06/26/2024



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: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.013 B - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.026 B - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.704
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.506
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes	Max Web CSI: 0.000
	C&C Dist a: 3.00 ft ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 4.50 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 23.02.04.0123.14
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	410	/-	/-	/280	/48	/145
D	128	/-	/-	/72	/-	/-
C	186	/-	/-	/117	/94	/-

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

Lumber

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

Wind

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

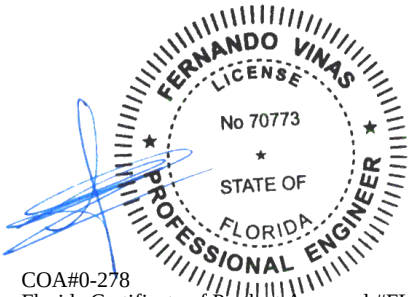
Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

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

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.



COA#0-278
Florida Certificate of Product Approval #FL1999
06/27/2024

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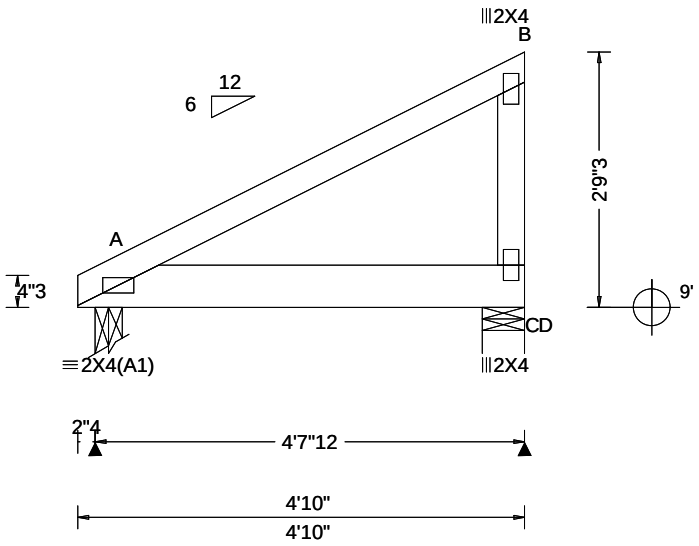
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629146 MONO FROM: RFG	Ply: 1 Qty: 1	**Job Number:** 24-1356 Sullivan **Truss Label:** K1		Cust: R 215 JRef:1Y112150006 T30 DrwNo: 178.24.1701.24147 NW / FV 06/26/2024	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft 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)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.013 A - - HORZ(TL): 0.025 A - - Creep Factor: 2.0 Max TC CSI: 0.495 Max BC CSI: 0.943 Max Web CSI: 0.113 VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	977	/-	/-	/-	/176	/-
D	538	/-	/-	/-	/98	/-

Wind reactions based on MWFRS
A Brg Wid = 3.5 Min Req = 1.5 (Truss)
D Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings A & D are a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Special Loads

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

TC: From	62 plf at	0.00 to	62 plf at	4.83	
BC: From	10 plf at	0.00 to	10 plf at	2.56	
BC: From	20 plf at	2.56 to	20 plf at	4.83	
BC:	537 lb Conc. Load at	0.56			
BC:	606 lb Conc. Load at	2.56			

Wind

Wind loads and reactions based on MWFRS.

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 2-9-3.

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COA#0-278
Florida Certificate of Product Approval #FL1999
06/27/2024

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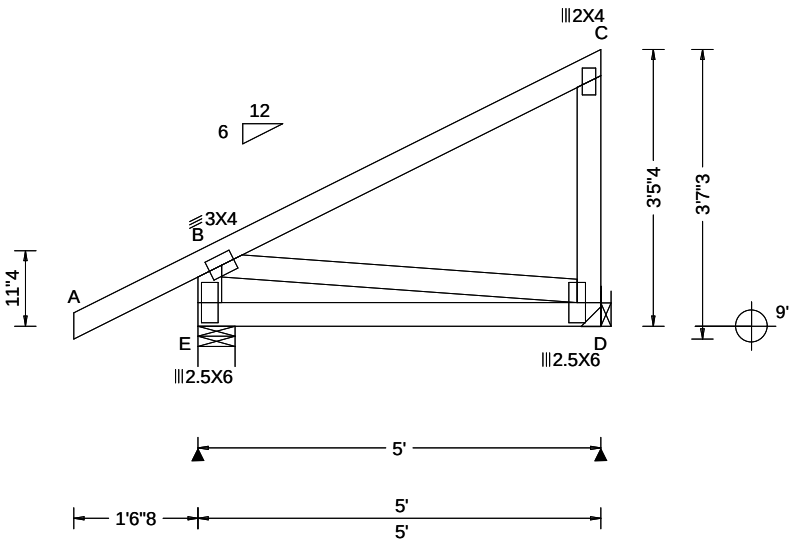
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629126 MONO FROM: RFG	Ply: 1 Qty: 4	**Job Number:** 24-1356 Sullivan **Truss Label:** M1		Cust: R 215 JRef:1Y112150006 T15 DrwNo: 178.24.1701.28410 NW / FV 06/26/2024	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft 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)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 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: 0.494 Max BC CSI: 0.265 Max Web CSI: 0.221 VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E	325	/-	/-	/220	/30	/110
D	190	/-	/-	/140	/67	/-

Wind reactions based on MWFRS
E Brg Wid = 5.5 Min Req = 1.5 (Truss)
D Brg Wid = - Min Req = -
Bearing E is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 3-5-4.

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COA#0-278
Florida Certificate of Product Approval #FL1999
06/27/2024

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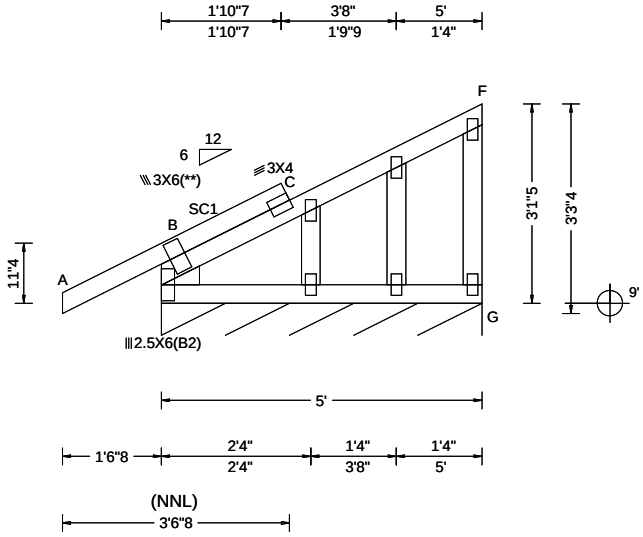
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629139 GABL FROM: RFG	Ply: 1 Qty: 2	**Job Number:** 24-1356 Sullivan **Truss Label:** M1E	Cust: R 215 JRef:1Y112150006 T28 DrwNo: 178.24.1701.31983 NW / FV 06/26/2024



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft 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)/10(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):	-0.005 B	-	-
HORZ(TL):	0.006 B	-	-

Creep Factor: 2.0
Max TC CSI: 0.337
Max BC CSI: 0.084
Max Web CSI: 0.130

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B*	120	/-	/-	/77	/81	/52

Wind reactions based on MWFRS
B Brg Wid = 60.0 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - C	291	-508

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - G	412	-62

Lumber

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

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.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

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

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

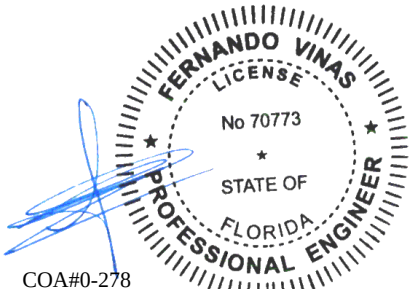
Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/999.

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.

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

The overall height of this truss excluding overhang is 3-1-5.



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Florida Certificate of Product Approval #FL1999
06/27/2024

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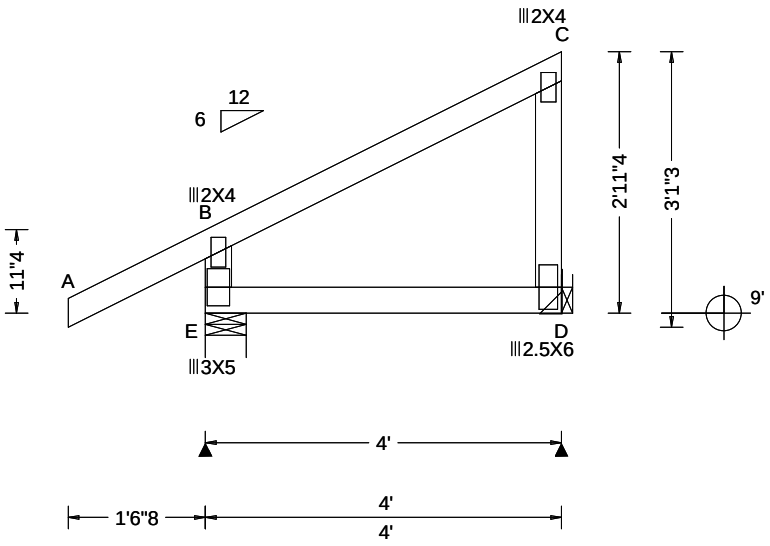
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 629024 MONO FROM: RFG	Ply: 1 Qty: 13	**Job Number:** 24-1356 Sullivan **Truss Label:** M2		Cust: R 215 JRef:1Y112150006 T45 DrwNo: 178.24.1701.37020 NW / FV 06/26/2024	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft 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)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 C 999 360 VERT(CL): 0.000 C 999 240 HORZ(LL): -0.029 C - - HORZ(TL): 0.037 C - - Creep Factor: 2.0 Max TC CSI: 0.328 Max BC CSI: 0.166 Max Web CSI: 0.362 VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E	288	/-	/-	/197	/28	/92
D	145	/-	/-	/108	/54	/-

Wind reactions based on MWFRS
E Brg Wid = 5.5 Min Req = 1.5 (Truss)
D Brg Wid = - Min Req = -
Bearing E is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Bracing

Fasten rated sheathing to one face of this frame.

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.

Additional Notes

The overall height of this truss excluding overhang is 2-11-4.

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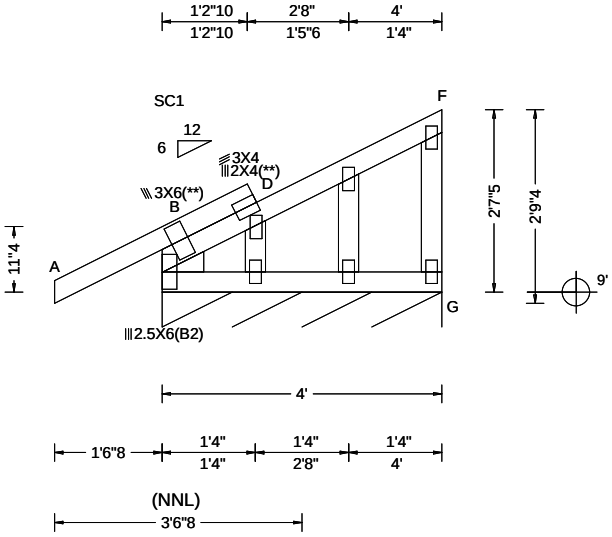
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629026 GABL FROM: RFG	Ply: 1 Qty: 2	**Job Number:** 24-1356 Sullivan **Truss Label:** M2E	Cust: R 215 JRef:1Y112150006 T46 DrwNo: 178.24.1701.39847 NW / FV 06/26/2024	



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: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): -0.002 B 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.002 B 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.003 B - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.003 B - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.291
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.059
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Varies by Ld Case	Max Web CSI: 0.064
	C&C Dist a: 3.00 ft ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: Any	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 23.02.04.0123.14
	Wind Duration: 1.60		

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G*	124	/-	/-	/82	/86	/54

Wind reactions based on MWFRS
G Brg Wid = 48.0 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - D	63	-397

Lumber

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

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.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

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

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

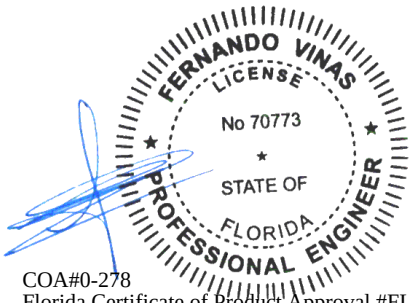
Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/999.

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.

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

The overall height of this truss excluding overhang is 2-7-5.



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Florida Certificate of Product Approval #FL1999
06/27/2024

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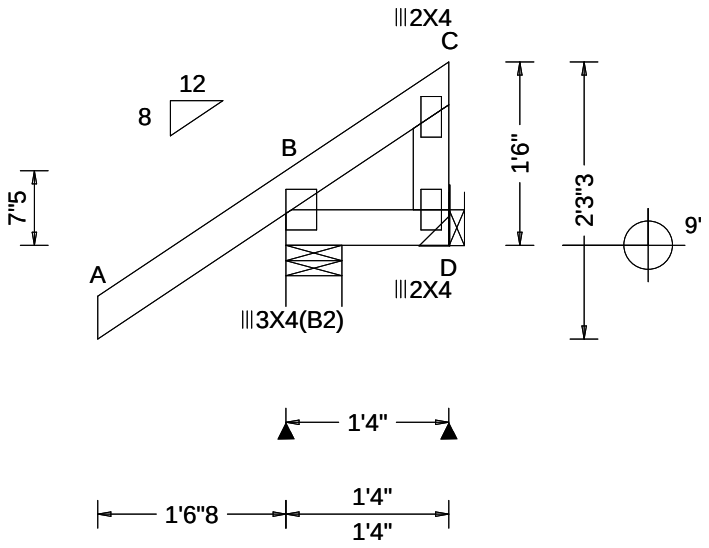
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629038 MONO FROM: RFG	Ply: 1 Qty: 5	**Job Number:** 24-1356 Sullivan **Truss Label:** M3		Cust: R 215 JRef:1Y112150006 T18 DrwNo: 178.24.1701.43303 NW / FV 06/26/2024	



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft 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)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

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

Creep Factor: 2.0
Max TC CSI: 0.297
Max BC CSI: 0.036
Max Web CSI: 0.013

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	227	/-	/-	/185	/44	/61
D	15	/-9	/-	/40	/31	/-

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

Lumber

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

Hangers / Ties

Simpson Construction Hardware is specified based on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information.

Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

Bearing at location x=1'1" ,y=9' uses the following support conditions: 1'1"
Bearing D (1'1", 9') HUS26
Supporting Member: (1)2x6 SP #2
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.

Additional Notes

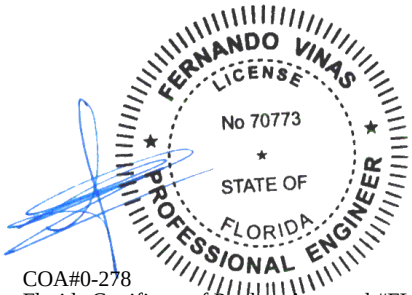
The overall height of this truss excluding overhang is 1-6-0.

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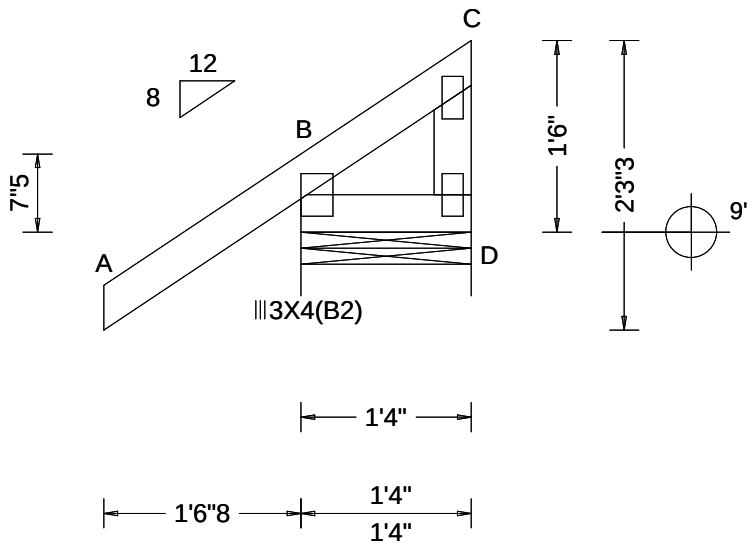
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629040 GABL FROM: RFG	Ply: 1 Qty: 2	**Job Number:** 24-1356 Sullivan **Truss Label:** M3E	Cust: R 215 JRef:1Y112150006 T19 DrwNo: 178.24.1701.49490 NW / FV 06/26/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft 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)/10(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): 0.002 C - - Creep Factor: 2.0 Max TC CSI: 0.334 Max BC CSI: 0.044 Max Web CSI: 0.014 VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
D	248	/-	/-	/189	/205	/157

Wind reactions based on MWFRS
D Brg Wid = 16.0 Min Req = 1.5 (Truss)
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

Right end vertical not exposed to wind pressure.

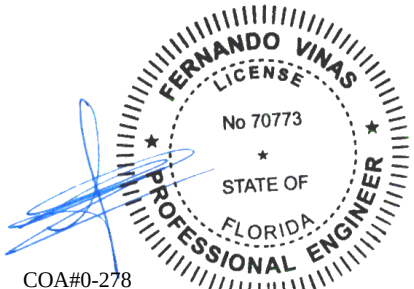
Wind loading based on both gable and hip roof types.

Additional Notes

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

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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06/27/2024

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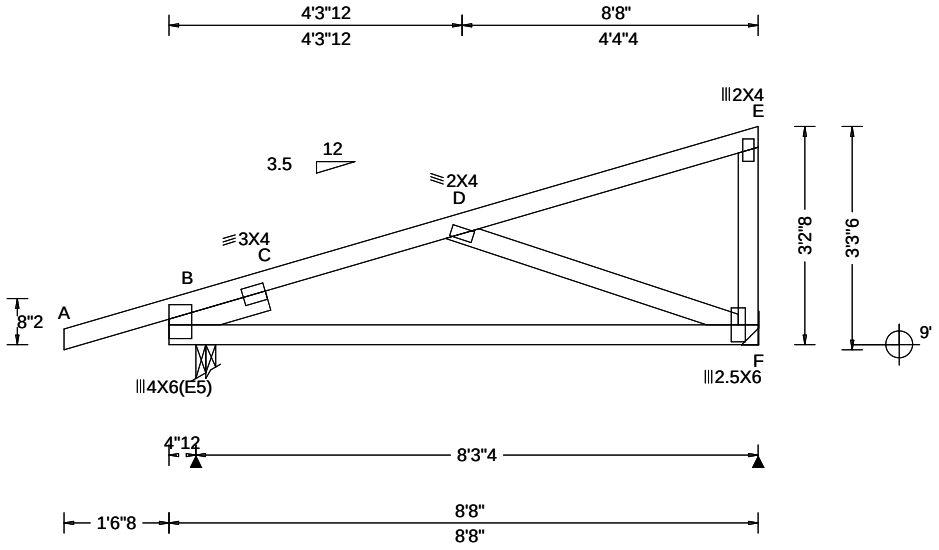
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629044 MONO FROM: RFG	Ply: 1 Qty: 11	**Job Number:** 24-1356 Sullivan **Truss Label:** M4	Cust: R 215 JRef:1Y112150006 T31 DrwNo: 178.24.1701.52710 NW / FV 06/26/2024



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft 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)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.009	D	999	360
VERT(CL): -0.021	B	999	240
HORZ(LL): 0.004	C	-	-
HORZ(TL): 0.012	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.234
Max BC CSI: 0.570
Max Web CSI: 0.348

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

Loc	R+	Gravity / R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
B	490	/-	/-	/282	/85	/88
F	311	/-	/-	/166	/29	/-

Wind reactions based on MWFRS
B Brg Wid = 3.5 Min Req = 1.5 (Truss)
F Brg Wid = - Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	581	-818	C - D	246	-421

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - F	382	-346

Maximum Web Forces Per Ply (lbs)

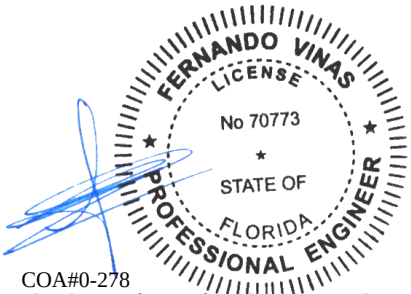
Webs	Tens.	Comp.
D - F	369	-393

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

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

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

Additional Notes
The overall height of this truss excluding overhang is 3-2-8.



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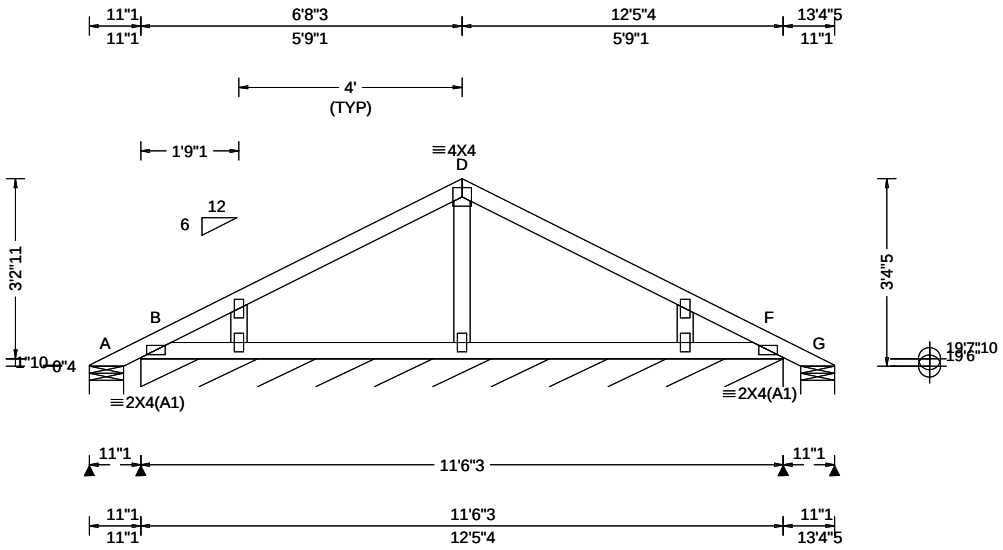
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629093 COMN FROM: RFG	Ply: 1 Qty: 16	**Job Number:** 24-1356 Sullivan **Truss Label:** P1	Cust: R 215 JRef:1Y112150006 T35 DrwNo: 178.24.1702.13467 NW / FV 06/26/2024



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: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.000 D 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 D 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 E - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 F - -
NCBCLL: 10.00	Mean Height: 15.73 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.200
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.061
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: No	Max Web CSI: 0.058
	C&C Dist a: 3.28 ft ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 13.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 23.02.04.0123.14
	Wind Duration: 1.60		

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	38	/-	/-	/51	/30	/88
B*	85	/-	/-	/49	/1	/-
G	38	/-	/-	/26	/5	/-

Wind reactions based on MWFRS
A Brg Wid = 7.3 Min Req = 1.5 (Truss)
B Brg Wid = 138 Min Req = -
G Brg Wid = 7.3 Min Req = 1.5 (Truss)
Bearings A, B, & G are a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

Wind

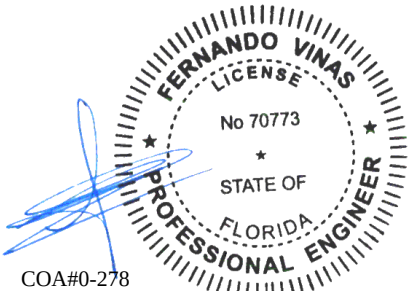
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

Refer to DWG PB160220723 for piggyback details.

The overall height of this truss excluding overhang is 3-4-5.



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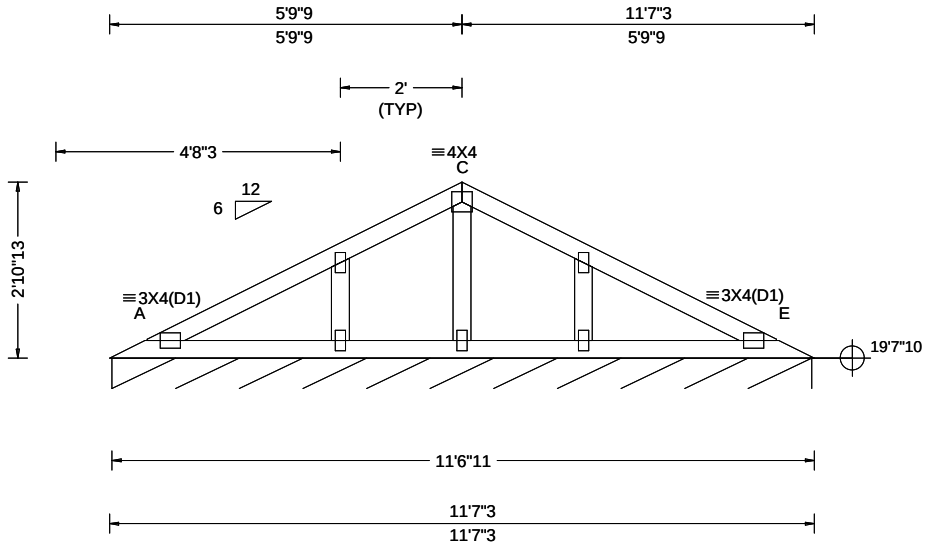
06/27/2024

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

SEQN: 629095 GABL FROM: RFG	Ply: 1 Qty: 1	**Job Number:** 24-1356 Sullivan **Truss Label:** P1E	Cust: R 215 JRef:1Y112150006 T21 DrwNo: 178.24.1702.16007 NW / FV 06/26/2024	



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.46 ft 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: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.006 E	999	360
VERT(CL):	0.010 E	999	240
HORZ(LL):	0.002 A	-	-
HORZ(TL):	0.003 A	-	-

Creep Factor: 2.0
Max TC CSI: 0.145
Max BC CSI: 0.076
Max Web CSI: 0.216

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A*	62	/-	/-	/37	/-	/-

Wind reactions based on MWFRS
A Brg Wid = 138 Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Purlins

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

Wind

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

Wind loading based on both gable and hip roof types.

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.

Refer to DWG PB160220723 for piggyback details.

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

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278
Florida Certificate of Product Approval #FL1999
06/27/2024

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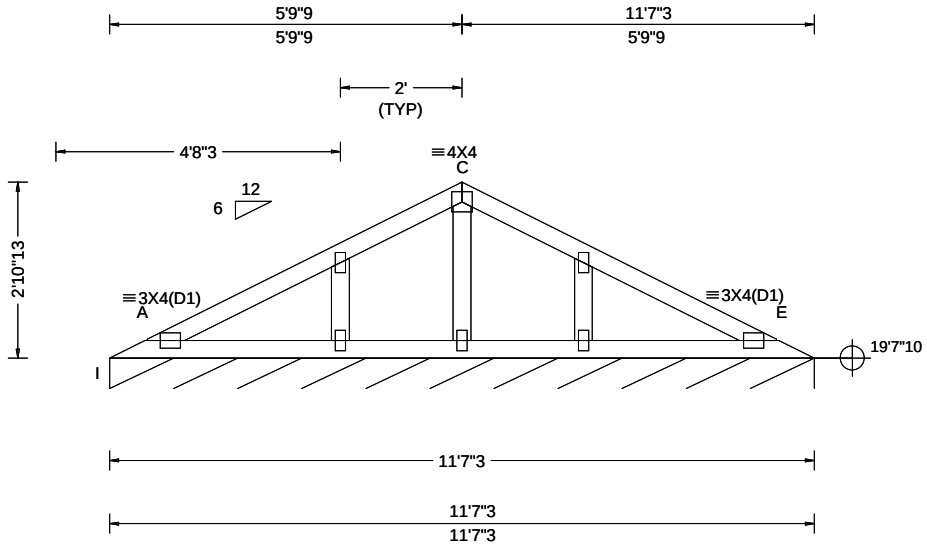
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629141 GABL FROM: RFG	Ply: 1 Qty: 1	**Job Number:** 24-1356 Sullivan **Truss Label:** P2E	Cust: R 215 JRef:1Y112150006 T13 DrwNo: 178.24.1702.18140 NW / FV 06/26/2024	



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.46 ft 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: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.005 E	999	360
VERT(CL):	0.009 E	999	240
HORZ(LL):	-0.002 E	-	-
HORZ(TL):	0.003 E	-	-

Creep Factor: 2.0
Max TC CSI: 0.138
Max BC CSI: 0.074
Max Web CSI: 0.216

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
I*	61	/-	/-	/37	/-	/-

Wind reactions based on MWFRS
I Brg Wid = 139 Min Req = -
Bearing I is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Purlins

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

Wind

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

Wind loading based on both gable and hip roof types.

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.

Refer to DWG PB160220723 for piggyback details.

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

FERNANDO VINAS
LICENSE
No 70773
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

COA#0-278
Florida Certificate of Product Approval #FL1999
06/27/2024

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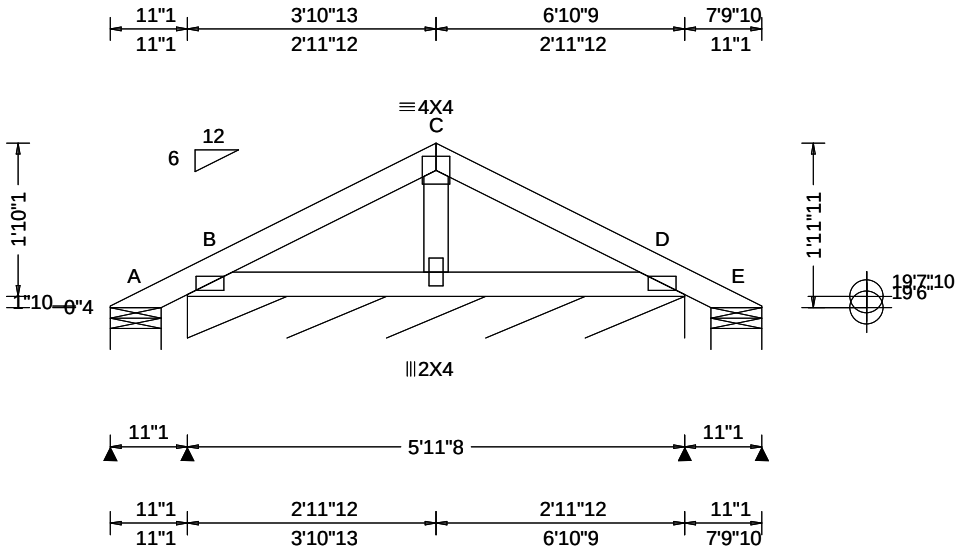
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629088 COMN FROM: RFG	Ply: 1 Qty: 13	**Job Number:** 24-1356 Sullivan **Truss Label:** P3	Cust: R 215 JRef:1Y112150006 T58 DrwNo: 178.24.1702.20140 NW / FV 06/26/2024



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.03 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft 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)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

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

Creep Factor: 2.0
Max TC CSI: 0.085
Max BC CSI: 0.072
Max Web CSI: 0.017

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	-	/-10	/-	/30	/31	/51
B*	103	/-	/-	/58	/20	/-
E	-	/-10	/-	/9	/9	/-

Wind reactions based on MWFRS
A Brg Wid = 7.3 Min Req = 1.5 (Truss)
B Brg Wid = 71.5 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 #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Plating Notes

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

Loading

Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

Wind

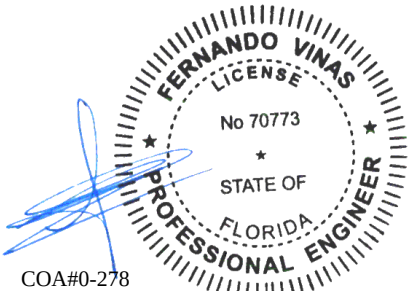
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

Refer to DWG PB160220723 for piggyback details.

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



COA#0-278
Florida Certificate of Product Approval #FL1999
06/27/2024

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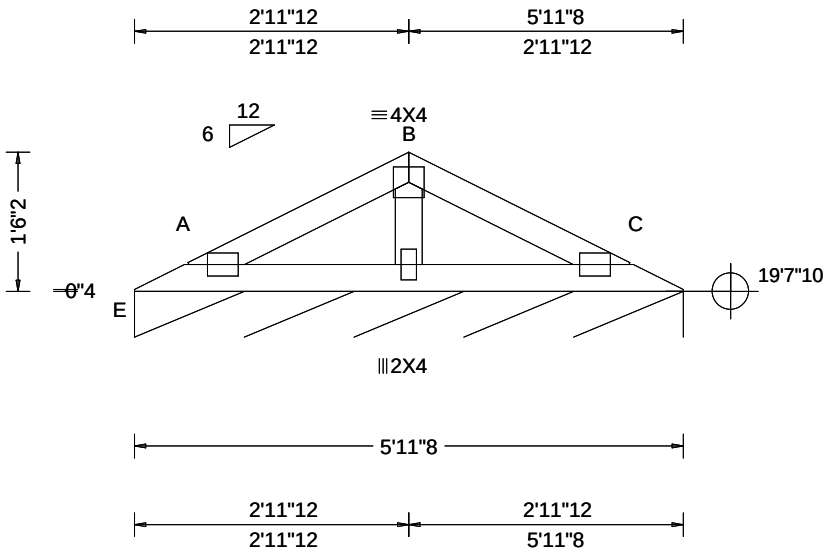
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629090 GABL FROM: RFG	Ply: 1 Qty: 2	**Job Number:** 24-1356 Sullivan **Truss Label:** P3E		Cust: R 215 JRef:1Y112150006 T22 DrwNo: 178.24.1702.27493 NW / FV 06/26/2024



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.03 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft 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)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.002 C 999 360 VERT(CL): 0.005 C 999 240 HORZ(LL): -0.001 C - - HORZ(TL): 0.002 C - - Creep Factor: 2.0 Max TC CSI: 0.080 Max BC CSI: 0.059 Max Web CSI: 0.035 VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E*	60	/-	/-	/36	/-	/-

Wind reactions based on MWFRS
E Brg Wid = 71.5 Min Req = -
Bearing E is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 3X4(D1) except as noted.

Purlins

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

Wind

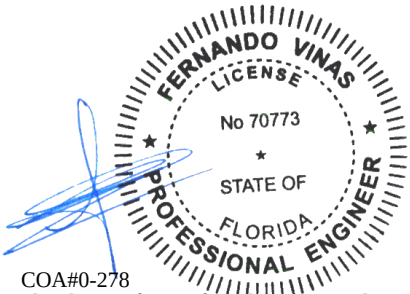
Wind loads based on MWFRS.

Wind loading based on both gable and hip roof types.

Additional Notes

Refer to DWG PB160220723 for piggyback details.

The overall height of this truss excluding overhang is 1-7-12.



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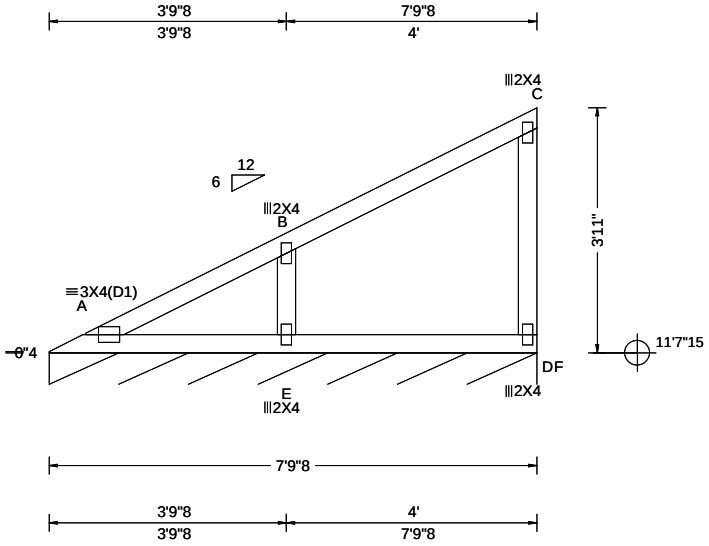
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629078 VAL FROM: RFG	Ply: 1 Qty: 1	**Job Number:** 24-1356 Sullivan **Truss Label:** V1	Cust: R 215 JRef:1Y112150006 T48 DrwNo: 178.24.1702.31870 NW / FV 06/26/2024	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft 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)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.004 A 999 360 VERT(CL): 0.009 A 999 240 HORZ(LL): -0.002 C - - HORZ(TL): 0.002 A - - Creep Factor: 2.0 Max TC CSI: 0.258 Max BC CSI: 0.168 Max Web CSI: 0.085 VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs), or *=PLF

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
F*	82	/-	/-	/53	/12	/16

Wind reactions based on MWFRS
F Brg Wid = 93.5 Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

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

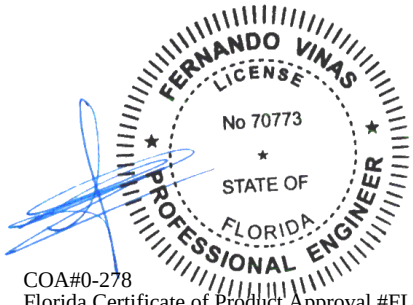
Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.

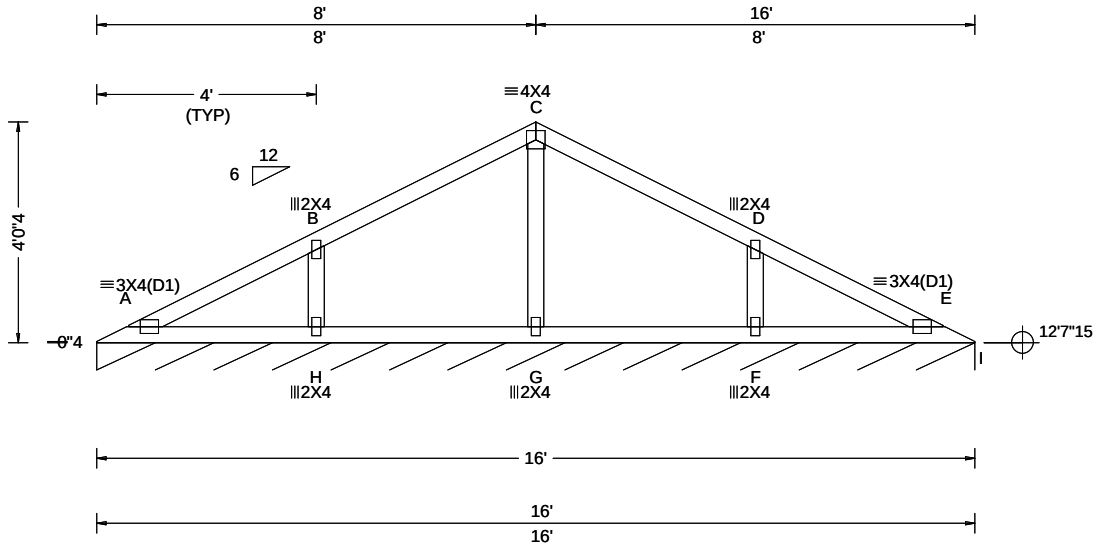
The overall height of this truss excluding overhang is 3-11-0.



COA#0-278
Florida Certificate of Product Approval #FL1999
06/27/2024

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

SEQN: 629080 VAL FROM: RFG	Ply: 1 Qty: 1	**Job Number:** 24-1356 Sullivan **Truss Label:** V2		Cust: R 215 JRef:1Y112150006 T49 DrwNo: 178.24.1702.35613 NW / FV 06/26/2024	



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: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.005 E 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.011 E 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.002 E - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.004 E - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.293
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.141
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.076
	C&C Dist a: 3.00 ft ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 9.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 23.02.04.0123.14
	Wind Duration: 1.60		

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
I*	82	/-	/-	/42	/0	/6

Wind reactions based on MWFRS
I Brg Wid = 191 Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.

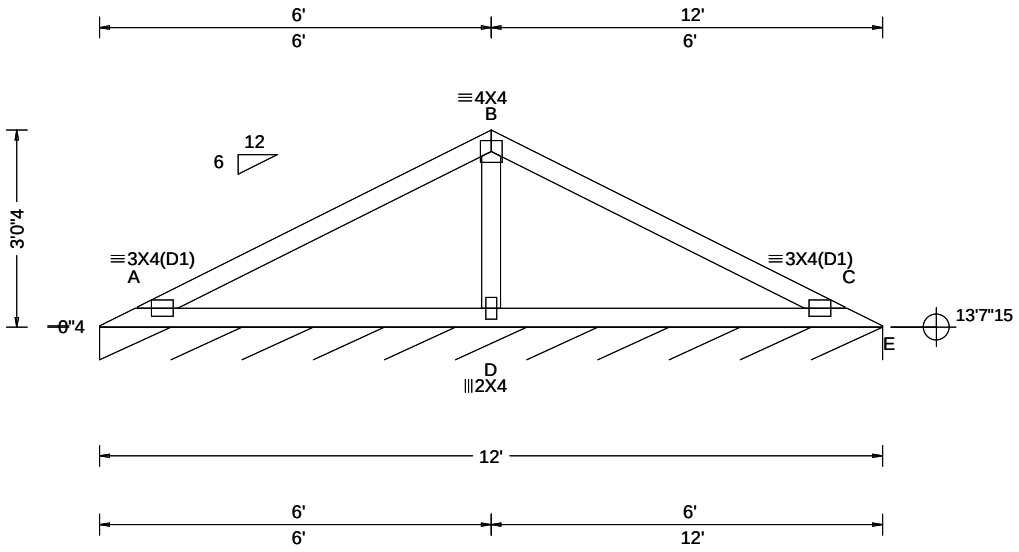
The overall height of this truss excluding overhang is 4-0-4.

FERNANDO VINAS
LICENSE
No 70773
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

COA#0-278
Florida Certificate of Product Approval #FL1999
06/27/2024

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

SEQN: 629082 VAL FROM: RFG	Ply: 1 Qty: 1	**Job Number:** 24-1356 Sullivan **Truss Label:** V3		Cust: R 215 JRef:1Y112150006 T50 DrwNo: 178.24.1702.37050 NW / FV 06/26/2024	



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.32 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft 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)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.025	C	999	360
VERT(CL): 0.052	C	999	240
HORZ(LL): -0.010	C	-	-
HORZ(TL): 0.021	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.495
Max BC CSI: 0.417
Max Web CSI: 0.151

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E*	82	/-	/-	/41	/0	/6

Wind reactions based on MWFRS
E Brg Wid = 143 Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	509	-231	B - C	509	-243

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - D	281	-397	D - C	281	-397

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
B - D	400	-688

Lumber

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

Wind

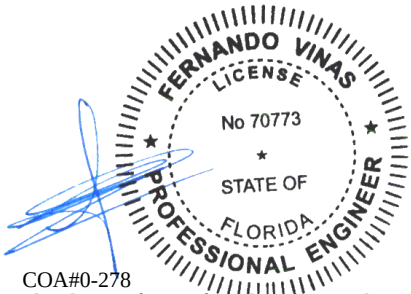
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.

The overall height of this truss excluding overhang is 3-0-4.



COA#0-278
Florida Certificate of Product Approval #FL1999
06/27/2024

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

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

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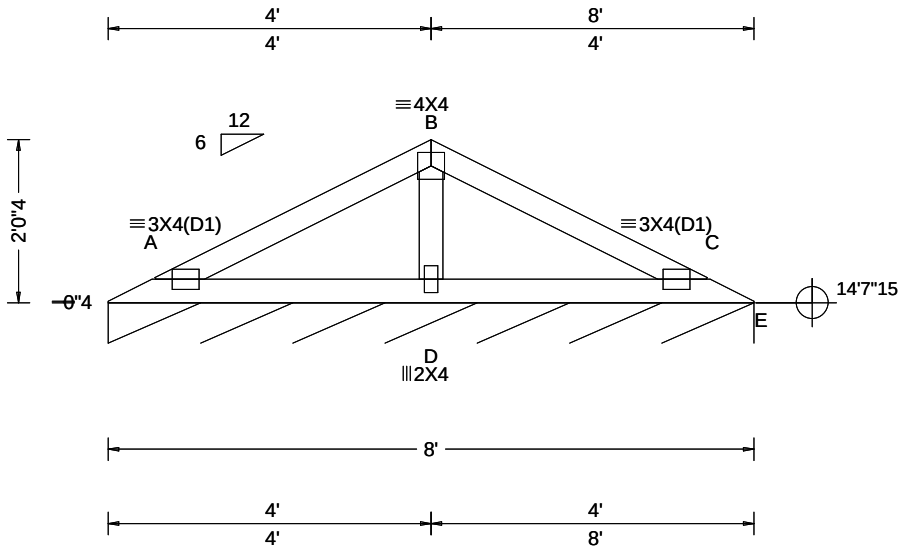
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629084 VAL FROM: RFG	Ply: 1 Qty: 1	**Job Number:** 24-1356 Sullivan **Truss Label:** V4		Cust: R 215 JRef:1Y112150006 T51 DrwNo: 178.24.1702.38367 NW / FV 06/26/2024	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.82 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft 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)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.007 A 999 360 VERT(CL): 0.015 A 999 240 HORZ(LL): -0.003 C - - HORZ(TL): 0.006 C - - Creep Factor: 2.0 Max TC CSI: 0.187 Max BC CSI: 0.169 Max Web CSI: 0.081 VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E*	82	/-	/-	/40	/-	/5

Wind reactions based on MWFRS
E Brg Wid = 96.0 Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

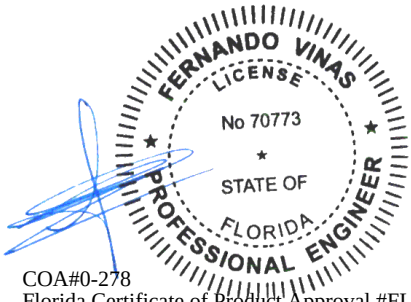
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.

The overall height of this truss excluding overhang is 2-0-4.



COA#0-278
Florida Certificate of Product Approval #FL1999
06/27/2024

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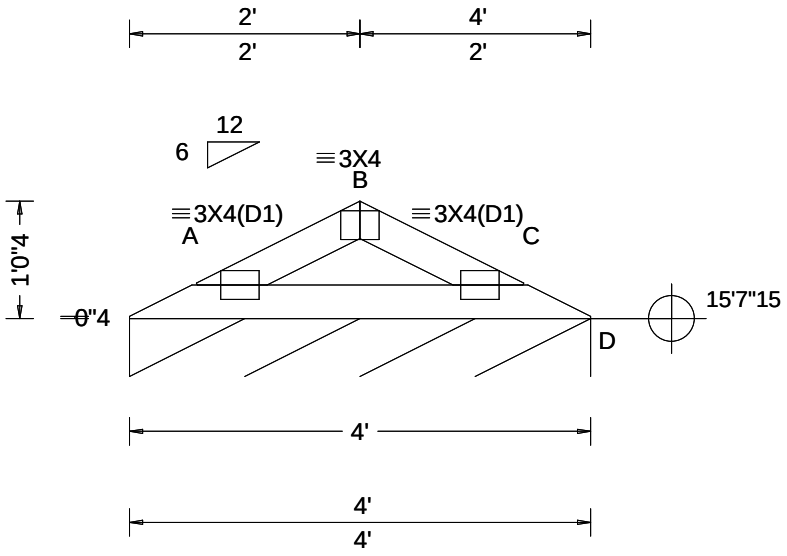
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 629086 VAL FROM: RFG	Ply: 1 Qty: 1	**Job Number:** 24-1356 Sullivan **Truss Label:** V5	Cust: R 215 JRef:1Y112150006 T52 DrwNo: 178.24.1702.39850 NW / FV 06/26/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.32 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft 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)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.004 A 999 360 VERT(CL): 0.008 A 999 240 HORZ(LL): -0.001 A - - HORZ(TL): 0.003 A - - Creep Factor: 2.0 Max TC CSI: 0.076 Max BC CSI: 0.102 Max Web CSI: 0.000 VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
D*	82	/-	/-	/37	/-	/4

Wind reactions based on MWFRS
D Brg Wid = 48.0 Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.

The overall height of this truss excluding overhang is 1-0-4.

FERNANDO VINAS
LICENSE
No 70773
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

COA#0-278
Florida Certificate of Product Approval #FL1999
06/27/2024

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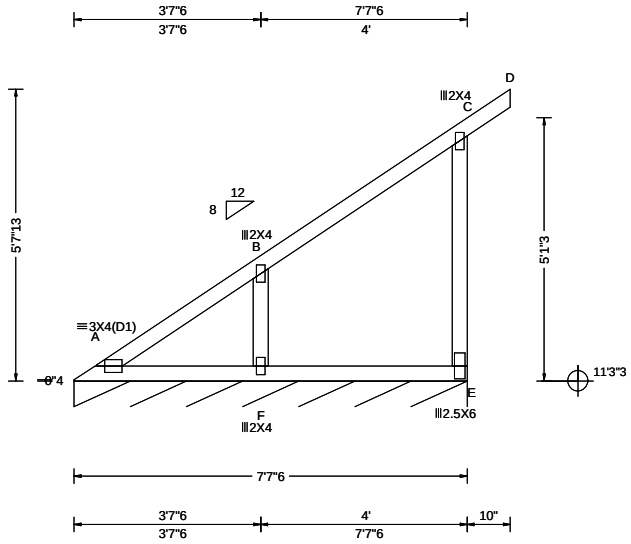
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 628982 VAL FROM: RFG	Ply: 1 Qty: 1	**Job Number:** 24-1356 Sullivan **Truss Label:** V6	Cust: R 215 JRef:1Y112150006 T53 DrwNo: 178.24.1702.41540 NW / FV 06/26/2024



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: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.003 A 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.006 A 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.002 C - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.003 C - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.246
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.166
Spacing: 24.0 "	MWFRS Parallel Dist: > 2h	Rep Fac: Yes	Max Web CSI: 0.095
	C&C Dist a: 3.00 ft ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 9.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 23.02.04.0123.14
	Wind Duration: 1.60		

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E*	91	/-	/-	/61	/4	/18

Wind reactions based on MWFRS
E Brg Wid = 91.4 Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

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

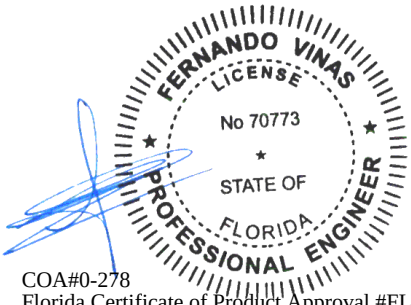
Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.

The overall height of this truss excluding overhang is 5-7-13.



COA#0-278
Florida Certificate of Product Approval #FL1999
06/27/2024

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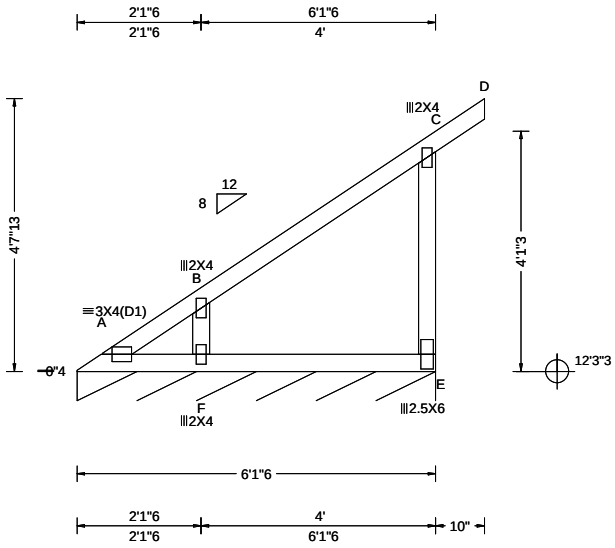
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 628984 VAL FROM: RFG	Ply: 1 Qty: 1	**Job Number:** 24-1356 Sullivan **Truss Label:** V7	Cust: R 215 JRef:1Y112150006 T54 DrwNo: 178.24.1702.42873 NW / FV 06/26/2024



Loading Criteria (psf)

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

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-22
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: > 2h
C&C Dist a: 3.00 ft 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)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

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: 0.199
Max BC CSI: 0.117
Max Web CSI: 0.136

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E*	93	/-	/-	/62	/4	/18

Wind reactions based on MWFRS
E Brg Wid = 73.4 Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.

The overall height of this truss excluding overhang is 4-7-13.

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278
Florida Certificate of Product Approval #FL1999
06/27/2024

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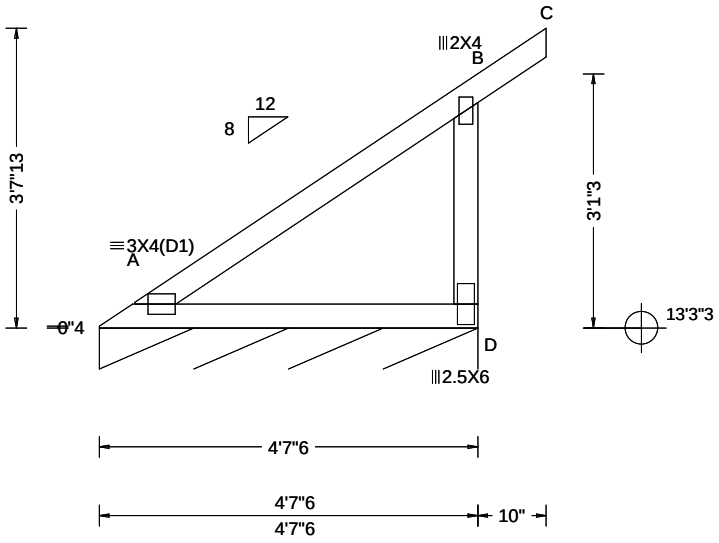
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 628986 VAL FROM: RFG	Ply: 1 Qty: 1	**Job Number:** 24-1356 Sullivan **Truss Label:** V8	Cust: R 215 JRef:1Y112150006 T55 DrwNo: 178.24.1702.43997 NW / FV 06/26/2024



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.24 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft 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)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.005 A - - HORZ(TL): 0.009 A - - Creep Factor: 2.0 Max TC CSI: 0.270 Max BC CSI: 0.223 Max Web CSI: 0.146 VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
D*	96	/-	/-	/63	/5	/18

Wind reactions based on MWFRS
D Brg Wid = 55.4 Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.

The overall height of this truss excluding overhang is 3-7-13.

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06/27/2024

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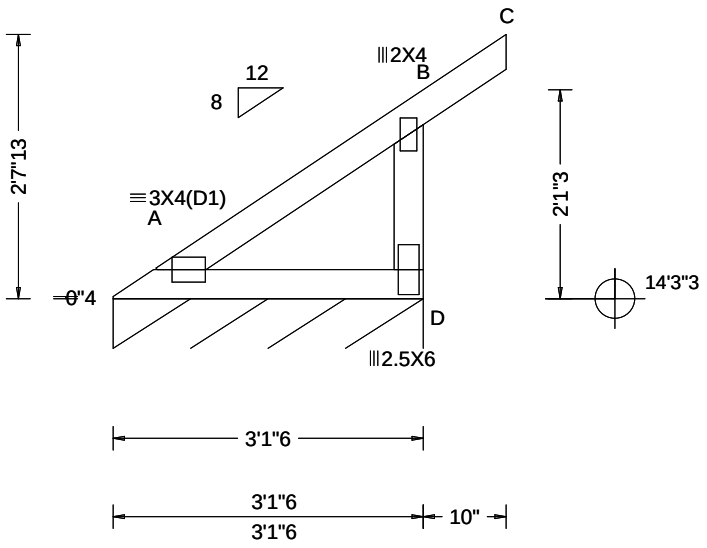
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 628988 VAL FROM: RFG	Ply: 1 Qty: 1	**Job Number:** 24-1356 Sullivan **Truss Label:** V9		Cust: R 215 JRef:1Y112150006 T56 DrwNo: 178.24.1702.46070 NW / FV 06/26/2024	



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.74 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft 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)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 A - - HORZ(TL): 0.003 A - - Creep Factor: 2.0 Max TC CSI: 0.095 Max BC CSI: 0.086 Max Web CSI: 0.089 VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
D*	102	/-	/-	/64	/5	/19

Wind reactions based on MWFRS
D Brg Wid = 37.4 Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.

The overall height of this truss excluding overhang is 2-7-13.

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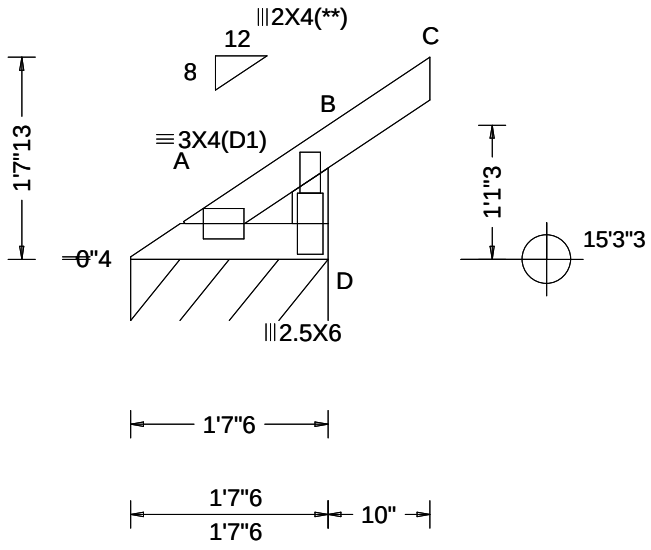
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 628990 VAL FROM: RFG	Ply: 1 Qty: 1	**Job Number:** 24-1356 Sullivan **Truss Label:** V10	Cust: R 215 JRef:1Y112150006 T57 DrwNo: 178.24.1702.33910 NW / FV 06/26/2024



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.24 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft 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)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 B - - HORZ(TL): 0.000 B - - Creep Factor: 2.0 Max TC CSI: 0.060 Max BC CSI: 0.015 Max Web CSI: 0.059 VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
D*	118	/-	/-	/68	/6	/21

Wind reactions based on MWFRS
D Brg Wid = 19.4 Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Plating Notes

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

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.

The overall height of this truss excluding overhang is 1-7-13.

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

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.

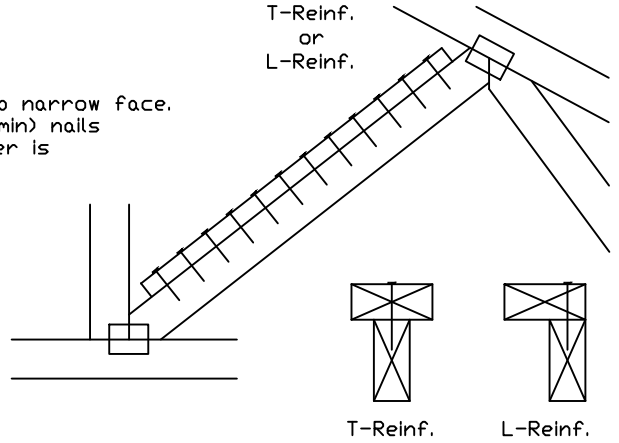
Web Member Size	Specified CLR Restraint	Alternative Reinforecement T- or L- Reinf.	Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(*)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(*)

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.

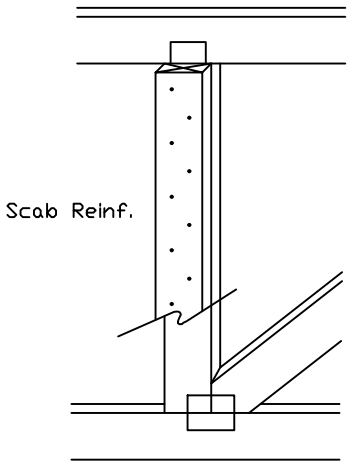
T-Reinforcement or L-Reinforcement:

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

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

06/27/2024

COA#0-278
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TC LL	PSF	REF CLR Subst.
TC DL	PSF	DATE 01/02/19
BC DL	PSF	DRWG BRCLBSUB0119
BC LL	PSF	
TOT. LD.	PSF	
DUR. FAC.		
SPACING		

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

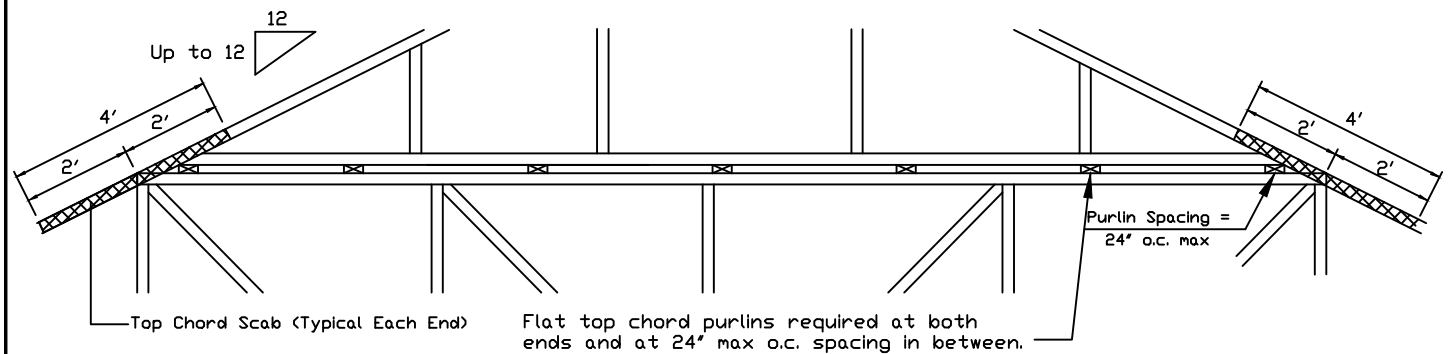
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-22, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0.
Or 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-22, Enclosed Bldg. located anywhere in roof, Exp D, Wind DL= 5.0 psf (min), Kzt=1.0.

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.

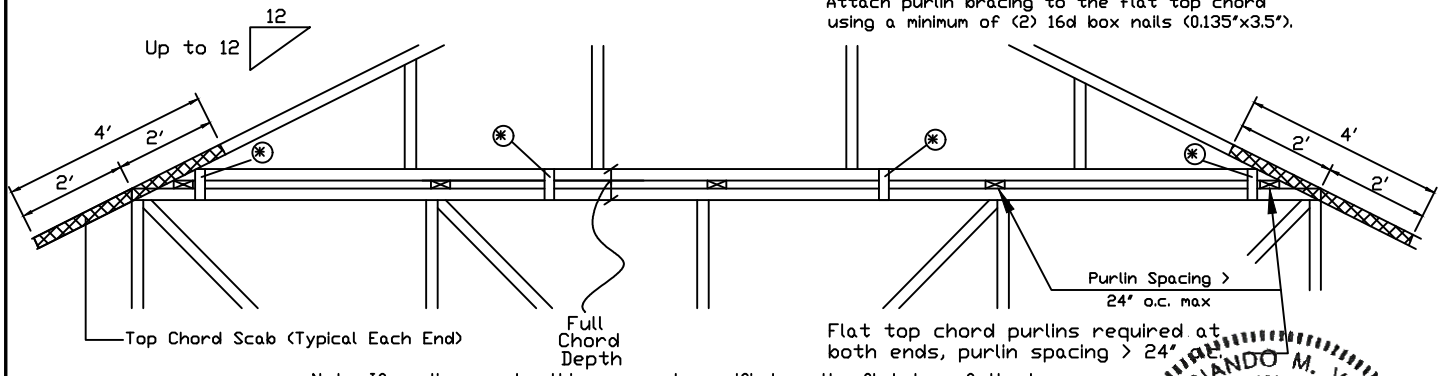
Attach purlin bracing to the flat top chord using (2) 16d box nails (0.135"x3.5").

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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STATE OF FLORIDA
PROFESSIONAL ENGINEER

06/27/2024

COA#0-278

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

Florida Certificate of Product Approval #FL1999

Valley Detail - ASCE 7-22: 180 mph, 30' Mean Height, Partially Enclosed, Exp. C, Kzt=1.00

Top Chord 2x4 SP #2N, SPF #1/#2, DF-L #2 or better.
Bot Chord 2x4 SP #2N or SPF #1/#2 or better.
Webs 2x4 SP #3, SPF #1/#2, DF-L #2 or better.

** Attach each valley to every supporting truss with:
535# connection or with (1) Simpson H2.5A or equivalent connector for
ASCE 7-22 180 mph. 30' Mean Height, Part. Enc. Building, Exp. C, Wind TC DL=5 psf, Kzt = 1.00
□r
ASCE 7-22 160 mph. 30' Mean Height, Part. Enc. Building, Exp. D, Wind TC DL=5 psf, Kzt = 1.00

Bottom chord may be square or pitched cut as shown.

Valleys short enough to be cut as solid triangular members from a single 2x6, or larger as required, shall be permitted in lieu of fabricating from separate 2x4 members.

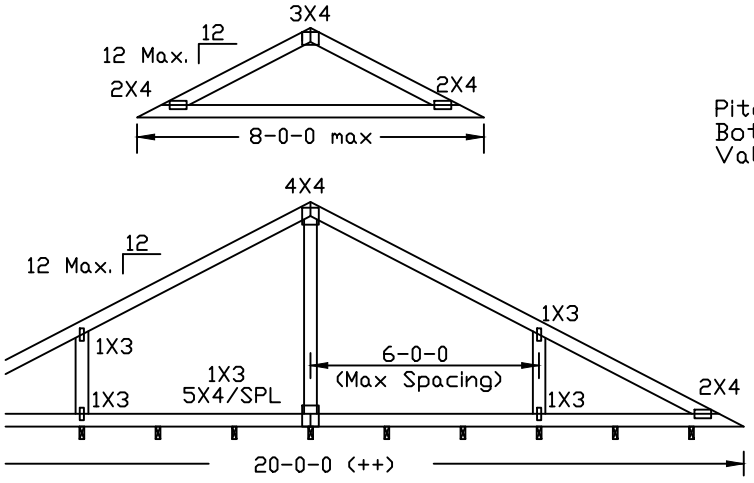
All plates shown are Alpine Wave Plates.

Unless specified otherwise on engineer's sealed design, for vertical valley webs taller than 7-9" apply 2x4 "T" reinforcement, 80% length of web, same species and grade or better, attached with 10d box (0.128" x 3.0") nails at 6" o.c. In lieu of "T" reinforcement, 2x4 Continuous Lateral Restraint applied at mid-length of web is permitted with diagonal bracing as shown in DRWG BRCLBANC1014.

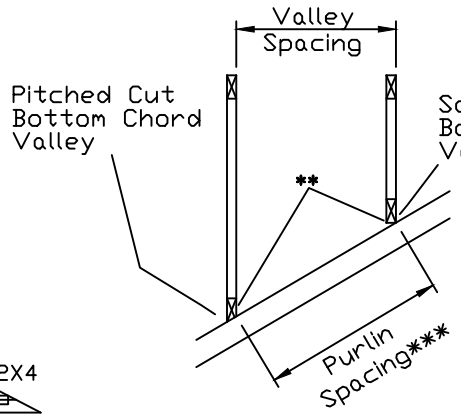
Top chord of truss beneath valley set must be braced with:
properly attached, rated sheathing applied prior to valley truss installation.
□r
Purlins at 24" o.c. or as otherwise specified on engineer's sealed design
□r
By valley trusses used in lieu of purlin spacing as specified on Engineer's sealed design.

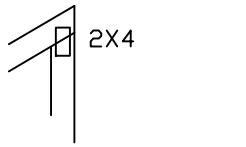
*** Note that the purlin spacing for bracing the top chord of the truss beneath the valley is measured along the slope of the top chord.

++ Larger spans may be built as long as the vertical height does not exceed 14'-0".



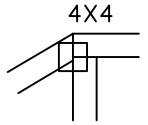
Supporting trusses at 24" o.c. maximum spacing.



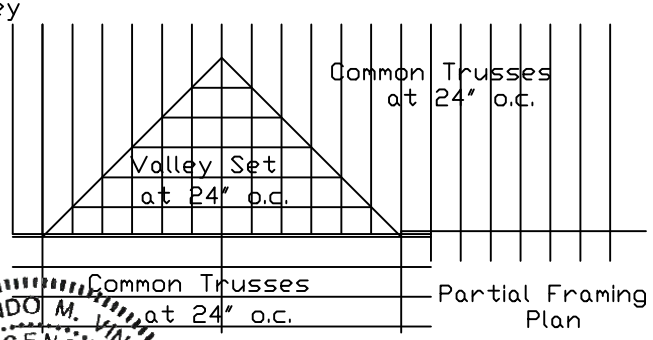


Square Cut Bottom Chord Valley

Stubbed Valley End Detail



□ptional Hip Joint Detail



Partial Framing Plan

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

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

06/27/2024

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

TC LL	30	30	40	PSF
TC DL	20	15	7	PSF
BC DL	10	10	10	PSF
BC LL	0	0	0	PSF
TOT. LD.	60	55	57	PSF
DUR.FAC.	1.25	1.33	1.15	1.15
SPACING			24.0"	

REF	VALLEY DETAIL
DATE	07/03/2023
DRWG	VAL180220723

Valley Detail - ASCE 7-22: 30' Mean Height, Enclosed, Exp. C, Kzt=1.00

Top Chord 2x4 SP #2N, SPF #1/#2, DF-L #2 or better.
Bot Chord 2x4 SP #2N or SPF #1/#2 or better.
Webs 2x4 SP #3, SPF #1/#2, DF-L #2 or better.

** Attach each valley to every supporting truss with:
(2) 16d box (0.135" x 3.5") nails toe-nailed for
ASCE 7-22, 30' Mean Height, Enclosed Building, Exp. C,
Wind TC DL=5 psf, Kzt = 1.00, Max. Wind Speed based on
supporting truss material at connection location:
140 mph for SP (G = 0.55, min.),
125 mph for DF-L (G = 0.50, min.), or
105 mph for HF & SPF (G = 0.42, min.).

Maximum top chord pitch is 10/12 for supporting trusses below valley trusses.

Bottom chord of valley trusses may be square or pitched cut as shown.

Valleys short enough to be cut as solid triangular members from a single 2x6, or larger as required, shall be permitted in lieu of fabricating from separate 2x4 members.

All plates shown are Alpine Wave Plates.

Unless specified otherwise on engineer's sealed design, for vertical valley webs taller than 7-9" apply 2x4 "T" reinforcement, 80% length of web, same species and grade or better, attached with 10d box (0.128" x 3.0") nails at 6" o.c. In lieu of "T" reinforcement, 2x4 Continuous Lateral Restraint applied at mid-length of web is permitted with diagonal bracing as shown in DRWG BRCLBANC1014.

Top chord of truss beneath valley set must be braced with:
properly attached, rated sheathing applied prior to valley truss installation.
Or
Purlins at 24" o.c. or as otherwise specified on engineer's sealed design
Or
By valley trusses used in lieu of purlin spacing as specified on Engineer's sealed design.

*** Note that the purlin spacing for bracing the top chord of the truss beneath the valley is measured along the slope of the top chord.

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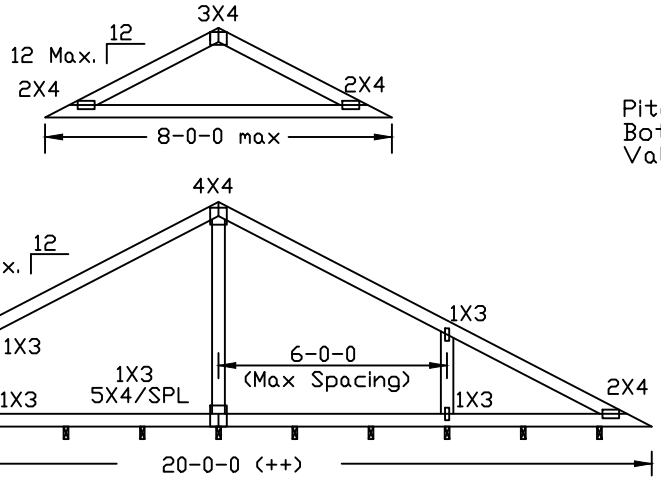
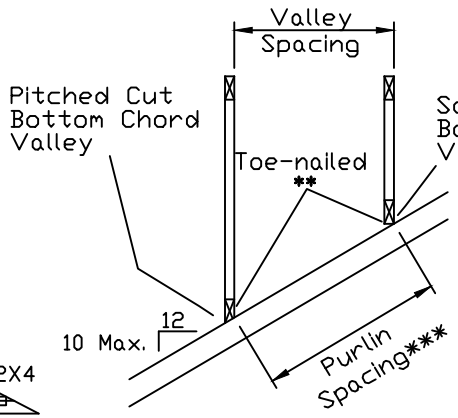
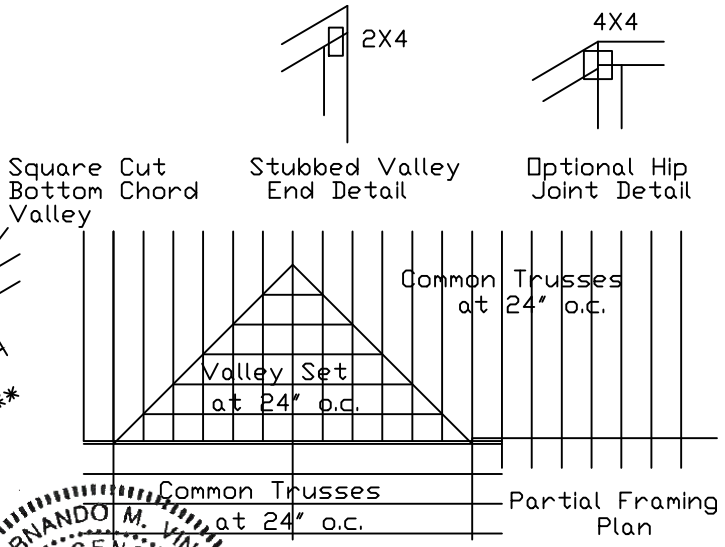


Supporting trusses at 24" o.c. maximum spacing.





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

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

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

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

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REF	VALLEY DETAIL
DATE	07/03/2023
DRWG	VALTN220723