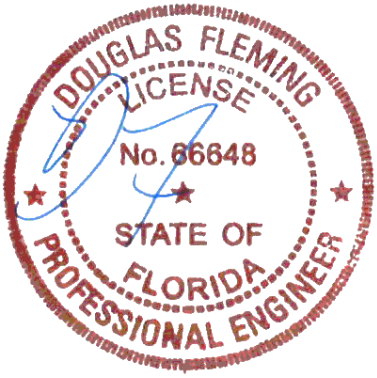

Alpine, an ITW Company
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025
Phone: (800)755-6001
www.alpineitw.com

COA #0 278
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09/19/2024

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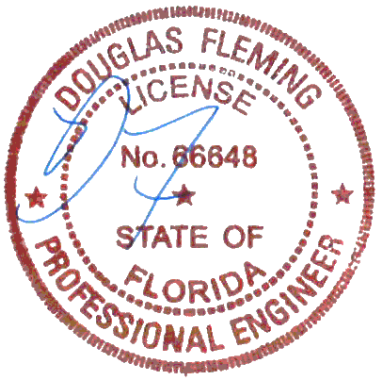
Site Information:	**Page 1:**
Customer: W. B. Howland Company, Inc.	*Job Number:* 24-0942
Job Description: Reed & Susan Kellner Addtn	
Address: Lake City, FL	

Job Engineering Criteria:	
Design Code: FBC 8th Ed. 2023 Res.	*IntelliVIEW Version:* 23.02.04 *JRef #:* 1Y3e2150007
Wind Standard: ASCE 7-22 *Wind Speed (mph):* 130 *Building Type:* Closed	*Design Loading (psf):* 40.00, 55.00

This package contains general notes pages, 50 truss drawing(s) and 4 detail(s).

Item	Drawing Number	Truss	Item	Drawing Number	Truss
1	263.24.1633.38013	A01	2	263.24.1633.42107	A02
3	263.24.1633.45150	A03	4	263.24.1633.48590	A04
5	263.24.1633.51543	A05	6	263.24.1633.54813	A06
7	263.24.1633.58487	A07	8	263.24.1634.01593	A08
9	263.24.1634.04477	A09	10	263.24.1634.06547	A10
11	263.24.1634.08550	A11	12	263.24.1634.10630	A12
13	263.24.1634.12663	A13	14	263.24.1634.14987	A14
15	263.24.1634.17483	A15	16	263.24.1634.37990	A16
17	263.24.1233.08344	F01	18	263.24.1233.07984	F02
19	263.24.1233.08282	F03	20	263.24.1233.07968	F04
21	263.24.1233.08094	F05	22	263.24.1233.08312	F06
23	263.24.1233.08000	F07	24	263.24.1233.08266	F08
25	263.24.1233.08125	F09	26	263.24.1233.08203	F10
27	263.24.1635.03993	HJ01	28	263.24.1635.10237	HJ02
29	263.24.1635.17487	HJ03	30	263.24.1635.23643	HJ04
31	263.24.1635.40473	J01	32	263.24.1635.44497	J02
33	263.24.1635.46973	J03	34	263.24.1635.50480	J04
35	263.24.1635.54193	J05	36	263.24.1635.57990	J06
37	263.24.1636.01487	J07	38	263.24.1636.04583	J08
39	263.24.1636.07247	J09	40	263.24.1636.10080	J10
41	263.24.1636.12977	J11	42	263.24.1636.15537	J12
43	263.24.1636.19007	J13	44	263.24.1636.22483	J14
45	263.24.1636.26087	P01	46	263.24.1636.28503	P02
47	263.24.1636.31760	P03	48	263.24.1636.34037	P04
49	263.24.1636.42480	P05	50	263.24.1636.46357	P06



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Site Information:	**Page 2:**
Customer: W. B. Howland Company, Inc.	*Job Number:* 24-0942
Job Description: Reed & Susan Kellner Addtn	
Address: Lake City, FL	

Item	Drawing Number	Truss
51	BRCLBSUB0119	
53	LSCSYX2A1014	

Item	Drawing Number	Truss
52	CNSY42PL0118	
54	STRBRIBR1014	

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.

Bearing Information:
The bearing area factor, Cb, is considered for the allowable capacity of solid sawn wood bearings supporting trusses that are located a minimum of 3" from the end of the lumber piece.

General Notes (continued)

Coated Lumber:
Coated lumber must be properly re-dried and maintained below 19% or less moisture level through all stages of construction and usage. Coated lumber has no adjustments to lumber properties. Coated lumber may be more brittle than uncoated lumber. Special handling care must be taken to prevent breakage during all handling activities. Refer to manufacturer literature, specifications, and code evaluation reports for restrictions, details, and requirements.

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.

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 -TE = 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-BF = Boraflame 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-ON = OnWood 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).

General Notes (continued)

Key to Terms (continued):
Rw = maximum downward design Reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the identified location (Loc).
TCDL = Top Chord standard design Dead Load in pounds per square foot.
TCLL = Top Chord standard design Live Load in pounds per square foot.
U = maximum Upward design reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).
VERT(CL) = maximum Vertical panel point deflection in inches due to Live Load and Creep Component of Dead Load in inches.
VERT(CTL) = maximum Vertical panel point deflection ratios due to Live Load and Creep Component of Dead Load, and maximum long term Vertical panel point deflection in inches due to Total load, including creep adjustment.
VERT(LL) = maximum Vertical panel point deflection in inches due to Live Load.
VERT(TL) = maximum Vertical panel point long term deflection in inches due to Total load, including creep adjustment.
W = Width of non-hanger bearing, in inches.

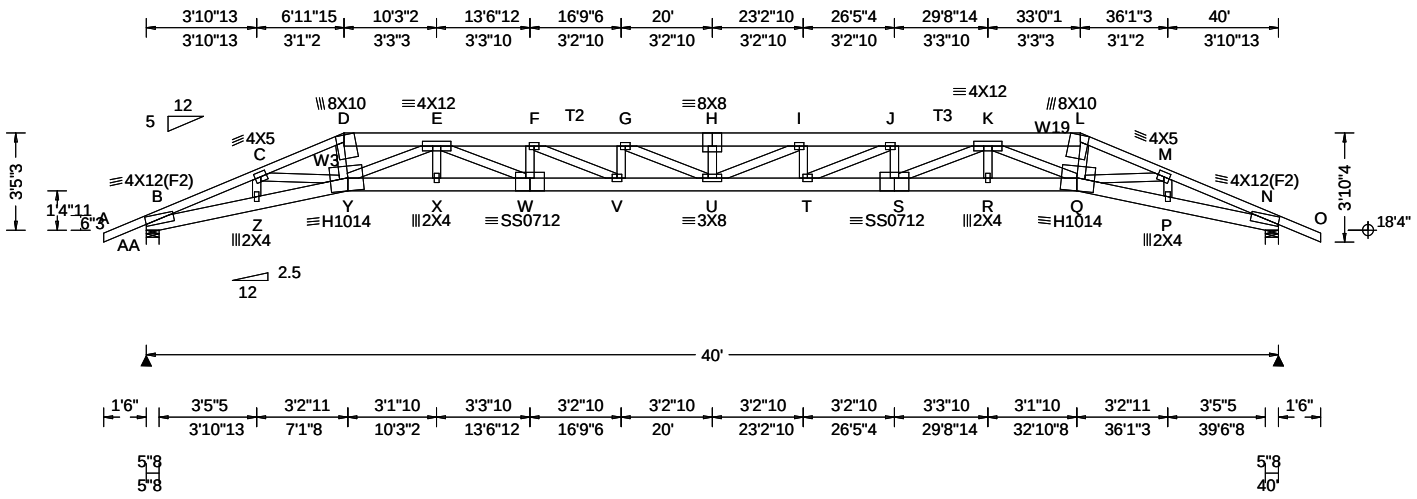
Refer to ASCE-7 for Wind and Seismic abbreviations.
Uppercase Acronyms not explained above are as defined in TPI 1.

References:

1. AWC: American Wood Council; 222 Catoctin Circle SE, Suite 201; Leesburg, VA 20175; www.awc.org.
2. ICC: International Code Council; www.iccsafe.org.
3. Alpine, a division of ITW Building Components Group Inc.: 155 Harlem Ave, North Building, 4th Floor, Glenview, IL 60025; www.alpineitw.com.
4. TPI: Truss Plate Institute, 2670 Crain Highway, Suite 203, Waldorf, MD 20601; www.tpinst.org.
5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www. sbcacomponents.com

SEQN: 783056 HIPS FROM: CDM	Ply: 2 Qty: 1	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** A01		Cust: R 215 JRef:1Y3e2150007 T30 DrwNo: 263.24.1633.38013 NW / DF 09/19/2024	

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: 20.00 ft
TCDL: 4.2 psf
BCDL: 3.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.00 ft ft
Loc. from endwall: not in 6.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)

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

Building Code:
FBC 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS, 18SS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 1.231	H	387	240
VERT(CL): 2.465	H	193	180
HORZ(LL): 0.410	N	-	-
HORZ(TL): 0.822	N	-	-

Creep Factor: 2.0
Max TC CSI: 0.878
Max BC CSI: 0.835
Max Web CSI: 0.721

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
AA	4198	/-	/-	/-	/1413	/-
N	4198	/-	/-	/-	/1413	/-

Wind reactions based on MWFRS
AA Brg Wid = 5.5 Min Req = 1.7 (Truss)
N Brg Wid = 5.5 Min Req = 1.7 (Truss)
Bearings AA & N are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	2236	- 6666	H - I	4586	- 13451
C - D	2874	- 8491	I - J	4452	- 13068
D - E	2738	- 8110	J - K	4093	- 12030
E - F	4093	- 12030	K - L	2738	- 8110
F - G	4452	- 13068	L - M	2874	- 8490
G - H	4586	- 13451	M - N	2236	- 6666

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - Z	6107	- 2045	U - T	13136	- 4484
Z - Y	6357	- 2120	T - S	12162	- 4148
Y - X	10339	- 3515	S - R	10339	- 3515
X - W	10339	- 3515	R - Q	10339	- 3515
W - V	12162	- 4148	Q - P	6358	- 2120
V - U	13136	- 4484	P - N	6107	- 2045

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
Z - C	277	- 747	T - J	1030	- 345
C - Y	1786	- 622	J - S	304	- 731
D - Y	2835	- 897	S - K	1892	- 647
Y - E	871	- 2497	K - Q	871	- 2497
E - W	1892	- 647	Q - L	2838	- 899
W - F	304	- 731	Q - M	1786	- 622
F - V	1030	- 345	M - P	277	- 747

Lumber

Top chord: 2x4 SP M-31; T2,T3 2x6 SP 2400f-2.0E;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W3,W19 2x4 SP #2;

Nailnote

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

Special Loads

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

TC: From	62 plf at	-1.50 to	62 plf at	7.00
TC: From	31 plf at	7.00 to	31 plf at	33.00
TC: From	62 plf at	33.00 to	62 plf at	41.50
BC: From	4 plf at	-1.50 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	7.12
BC: From	10 plf at	7.12 to	10 plf at	32.88
BC: From	20 plf at	32.88 to	20 plf at	40.00
BC: From	4 plf at	40.00 to	4 plf at	41.50

TC: 361 lb Conc. Load at 7.03
TC: 201 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06,19.06,20.94,22.94,24.94,26.94,28.94,30.94
TC: 354 lb Conc. Load at 32.97
BC: 611 lb Conc. Load at 7.03
BC: 136 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06,19.06,20.94,22.94,24.94,26.94,28.94,30.94
BC: 618 lb Conc. Load at 32.97

Plating Notes

All plates are 3X4 except as noted.

Purlins

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

Wind

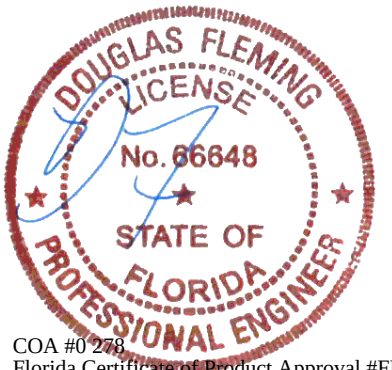
Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.

Additional Notes

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

Shim all supports to solid bearing.



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09/19/2024

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

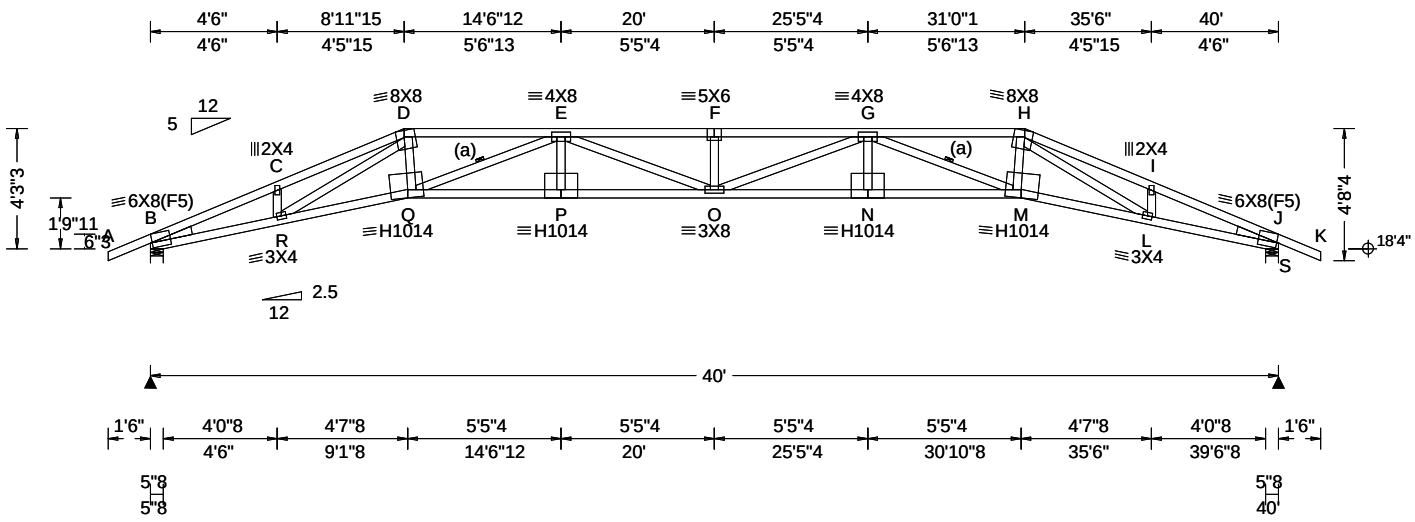
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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: 783058 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** A02		Cust: R 215 JRef:1Y3e2150007 T57 DrwNo: 263.24.1633.42107 NW / DF 09/19/2024	



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: 20.52 ft
TCDL: 4.2 psf
BCDL: 3.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.00 ft ft
Loc. from endwall: not in 6.50 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 1.006	F	476	240
VERT(CL): 2.041	F	235	180
HORZ(LL): 0.457	J	-	-
HORZ(TL): 0.928	J	-	-

Creep Factor: 2.0
Max TC CSI: 0.682
Max BC CSI: 0.949
Max Web CSI: 0.745

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1703	/-	/-	/943	/494	/112
S	1703	/-	/-	/943	/494	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	2679	- 5261	F - G	4179	- 7569
C - D	2700	- 5145	G - H	2943	- 5421
D - E	2957	- 5422	H - I	2690	- 5145
E - F	4179	- 7569	I - J	2669	- 5261

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - R	4787	- 2416	O - N	6999	- 3676
R - Q	5448	- 2797	N - M	6999	- 3676
Q - P	6999	- 3706	M - L	5448	- 2766
P - O	6999	- 3706	L - J	4787	- 2390

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
R - D	452	- 702	O - G	614	- 392
D - Q	1956	- 972	G - M	1077	- 1698
Q - E	1078	- 1698	M - H	1956	- 970
E - O	614	- 392	H - L	457	- 702

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Purlins

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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

Shim all supports to solid bearing.

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09/19/2024

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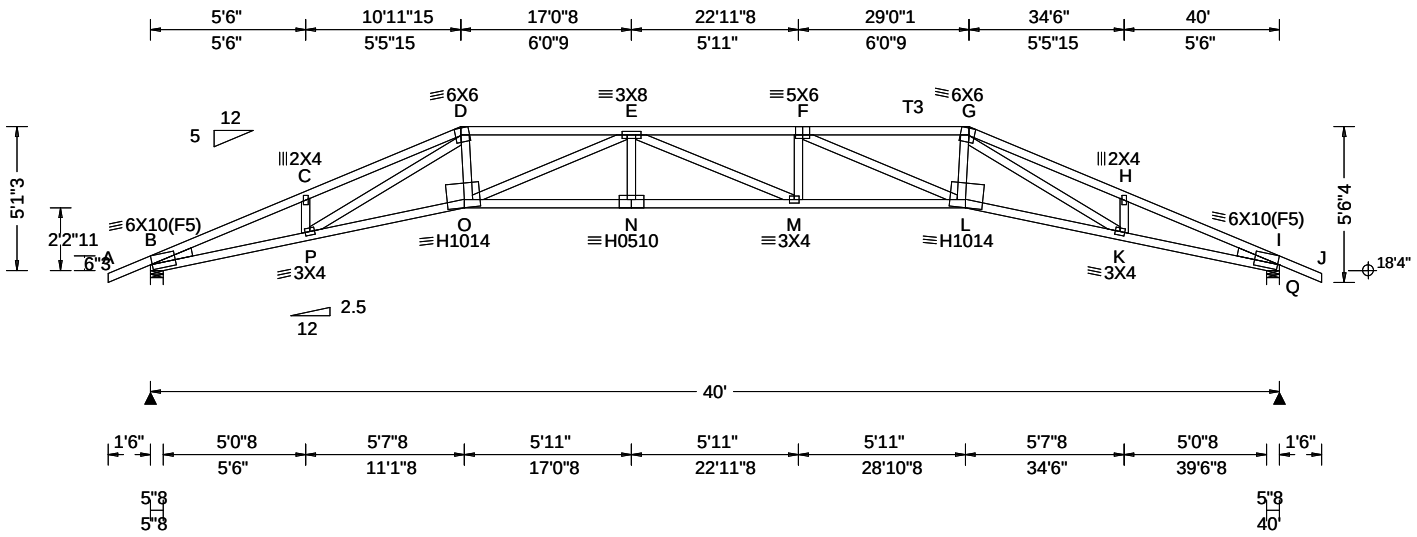
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 783060 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** A03		Cust: R 215 JRef:1Y3e2150007 T51 DrwNo: 263.24.1633.45150 NW / DF 09/19/2024	



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: 20.93 ft
TCDL: 4.2 psf
BCDL: 3.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 4.00 ft ft
Loc. from endwall: not in 6.50 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.866	M	554	240
VERT(CL): 1.756	M	273	180
HORZ(LL): 0.462	I	-	-
HORZ(TL): 0.937	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.963
Max BC CSI: 0.997
Max Web CSI: 0.853

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1704	/-	/-	/952	/481	/132
Q	1704	/-	/-	/952	/481	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	2639	- 5517	F - G	2698	- 5188
C - D	2682	- 5405	G - H	2673	- 5409
D - E	2717	- 5197	H - I	2630	- 5520
E - F	3285	- 6225			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - P	5046	- 2386	M - L	6213	- 3067
P - O	5247	- 2534	L - K	5237	- 2497
O - N	6230	- 3106	K - I	5049	- 2361
N - M	6230	- 3106			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - O	1729	- 796	F - L	747	- 1124
O - E	751	- 1128	L - G	1732	- 804

Lumber

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

Purlins

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

Wind

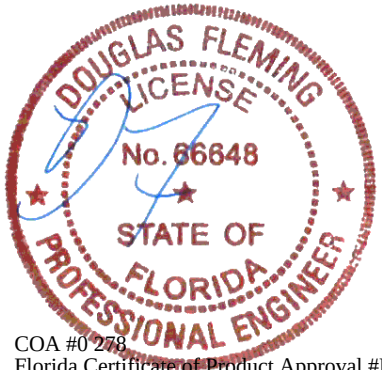
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

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

Shim all supports to solid bearing.



COA #0 278
Florida Certificate of Product Approval #FL1999
09/19/2024

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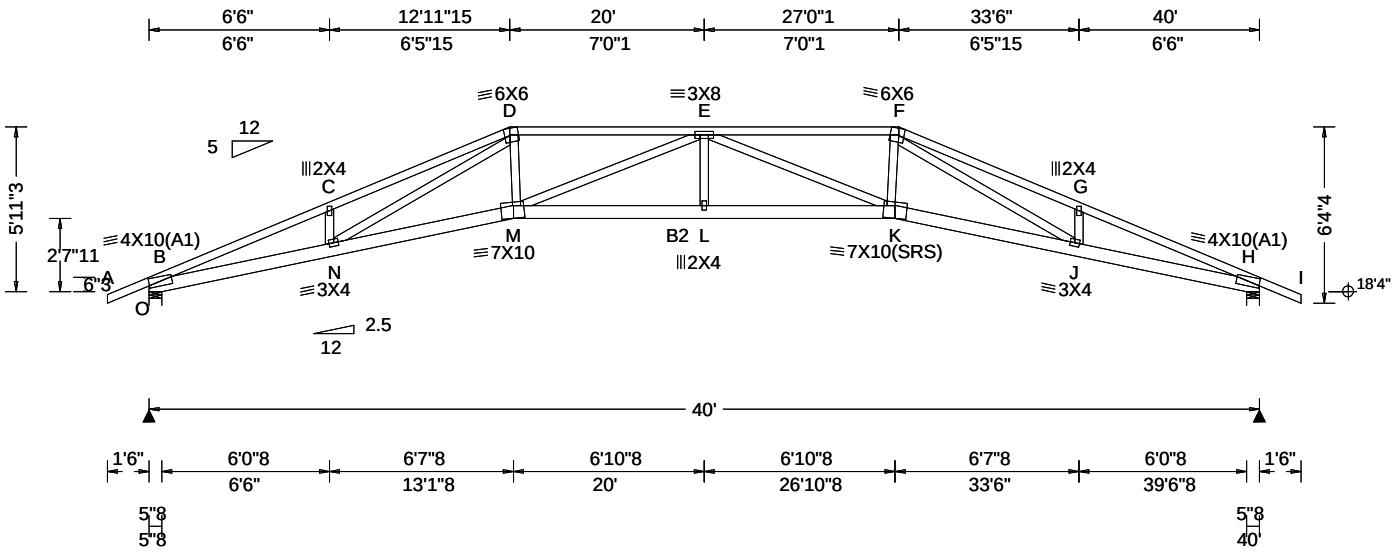
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 783062 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** A04		Cust: R 215 JRef:1Y3e2150007 T25 DrwNo: 263.24.1633.48590 NW / DF 09/19/2024	



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: 21.35 ft
TCDL: 4.2 psf
BCDL: 3.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 4.00 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): 0.574	L	830	240
VERT(CL): 1.164	L	409	180
HORZ(LL): 0.293	H	-	-
HORZ(TL): 0.595	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.526
Max BC CSI: 0.970
Max Web CSI: 0.642

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
O	1705	/-	/-	/955	/477	/149
H	1705	/-	/-	/955	/477	/-

Wind reactions based on MWFRS
O Brg Wid = 5.5 Min Req = 1.5 (Truss)
H Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings O & 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	2536	- 5664	E - F	2453	- 4983
C - D	2606	- 5596	F - G	2594	- 5596
D - E	2469	- 4983	G - H	2523	- 5664

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - N	5227	- 2300	L - K	5563	- 2556
N - M	5055	- 2265	K - J	5055	- 2231
M - L	5563	- 2556	J - H	5227	- 2270

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - M	1549	- 639	E - K	470	- 631
M - E	470	- 631	K - F	1549	- 646

Lumber

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

Purlins

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

Wind

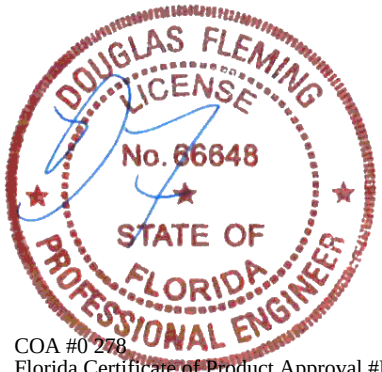
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 5-11-3.

Shim all supports to solid bearing.



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Florida Certificate of Product Approval #FL1999
09/19/2024

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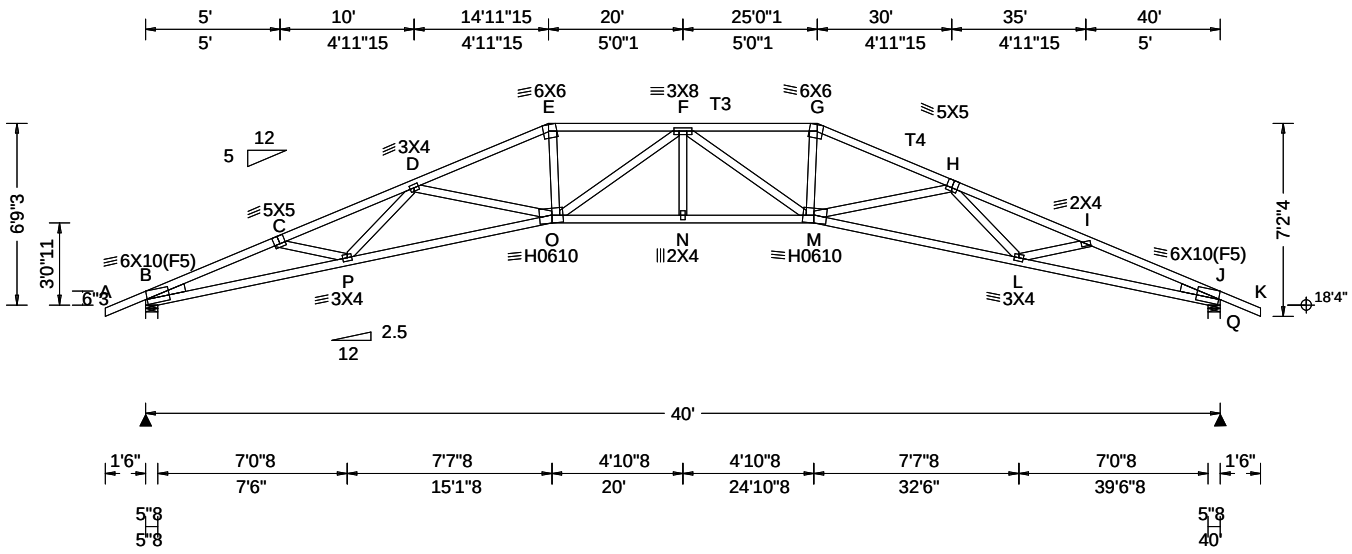
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 783064 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** A05		Cust: R 215 JRef:1Y3e2150007 T56 DrwNo: 263.24.1633.51543 NW / DF 09/19/2024	



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: 21.77 ft
TCDL: 4.2 psf
BCDL: 3.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 4.00 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, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.778	N	616	240
VERT(CL): 1.580	N	303	180
HORZ(LL): 0.463	J	-	-
HORZ(TL): 0.941	J	-	-

Creep Factor: 2.0
Max TC CSI: 0.800
Max BC CSI: 0.952
Max Web CSI: 0.607

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1706	/-	/-	/959	/478	/171
Q	1706	/-	/-	/959	/478	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	2323	-5622	F - G	2086	-4561
C - D	2297	-5543	G - H	2185	-4945
D - E	2202	-4947	H - I	2282	-5539
E - F	2102	-4563	I - J	2309	-5616

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - P	5149	-2096	N - M	4809	-1963
P - O	5255	-2155	M - L	5250	-2122
O - N	4809	-1963	L - J	5143	-2066

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - O	306	-638	M - G	1591	-615
E - O	1594	-610	M - H	306	-635

Lumber

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

Purlins

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

Wind

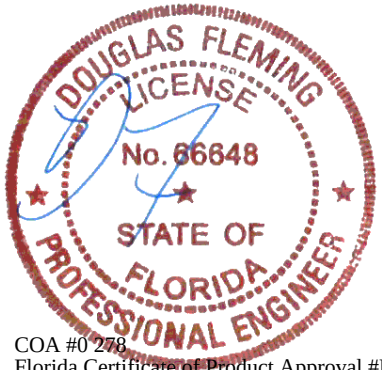
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 6-9-3.

Shim all supports to solid bearing.



COA #0 278
Florida Certificate of Product Approval #FL1999
09/19/2024

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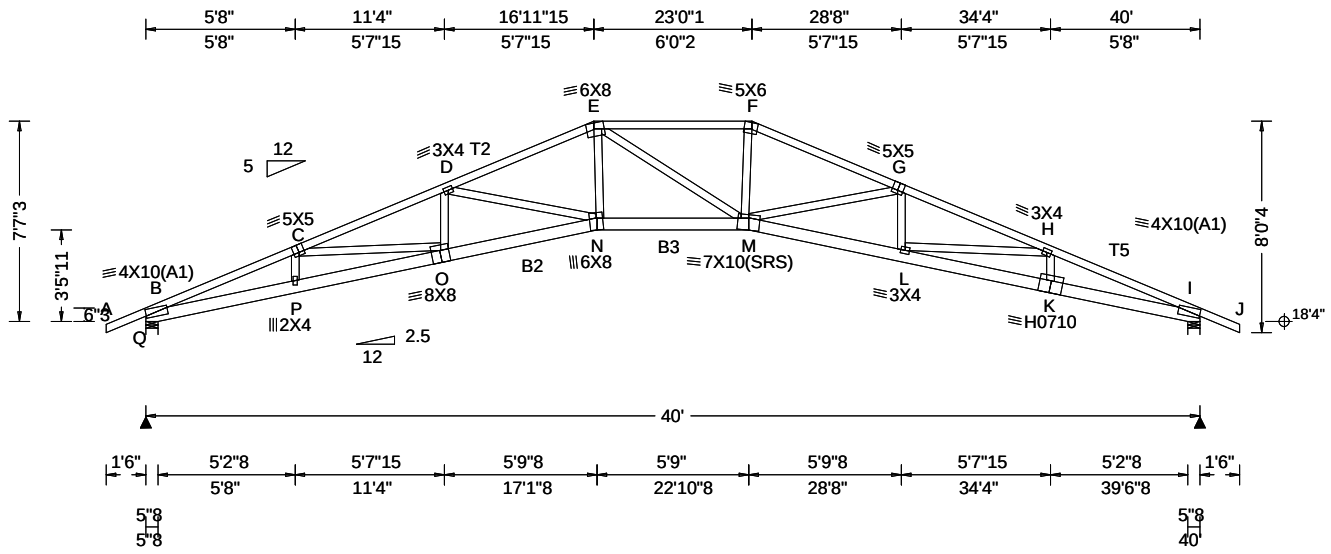
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 783066 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** A06		Cust: R 215 JRef:1Y3e2150007 T50 DrwNo: 263.24.1633.54813 NW / DF 09/19/2024	



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: 22.18 ft
TCDL: 4.2 psf
BCDL: 3.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 4.00 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, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.540	N	882	240
VERT(CL): 1.097	N	434	180
HORZ(LL): 0.296	I	-	-
HORZ(TL): 0.602	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.896
Max BC CSI: 0.841
Max Web CSI: 0.665

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Q	1705	/-	/-	/956	/474	/188
I	1704	/-	/-	/956	/474	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	2066	- 5532	F - G	1847	- 4602
C - D	2170	- 5599	G - H	2154	- 5593
D - E	1870	- 4614	H - I	2080	- 5592
E - F	1774	- 4233			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - P	5098	- 1864	M - L	5213	- 1867
P - O	5189	- 1900	L - K	5238	- 1891
O - N	5219	- 1901	K - I	5155	- 1859
N - M	4245	- 1491			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - N	394	- 930	M - F	1396	- 449
E - N	1404	- 448	M - G	401	- 936

Lumber

Top chord: 2x4 SP #2; T2,T5 2x4 SP M-31;
Bot chord: 2x6 SP 2400f-2.0E; B2,B3 2x6 SP #2;
Webs: 2x4 SP #3;

Purlins

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

Wind

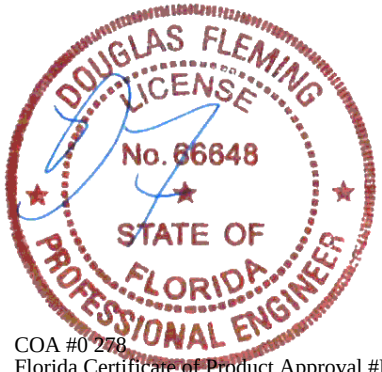
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

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

Shim all supports to solid bearing.



COA #0 278
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09/19/2024

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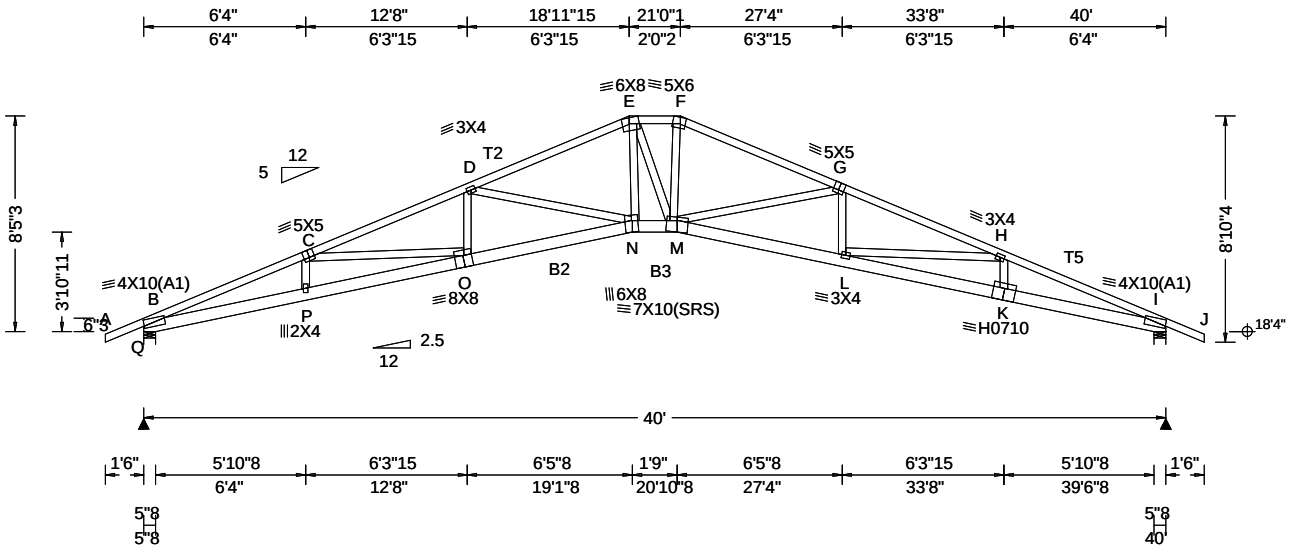
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 783068 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** A07		Cust: R 215 JRef:1Y3e2150007 T10 DrwNo: 263.24.1633.58487 NW / DF 09/19/2024	



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: 22.60 ft
TCDL: 4.2 psf
BCDL: 3.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 4.00 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, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.538	N	886	240
VERT(CL): 1.093	N	435	180
HORZ(LL): 0.295	I	-	-
HORZ(TL): 0.600	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.800
Max BC CSI: 0.840
Max Web CSI: 0.991

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Q	1703	/-	/-	/952	/472	/208
I	1704	/-	/-	/952	/472	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	1902	-5626	F - G	1495	-4246
C - D	1881	-5440	G - H	1862	-5432
D - E	1495	-4237	H - I	1910	-5688
E - F	1435	-3886			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - P	5191	-1709	M - L	5053	-1573
P - O	5269	-1737	L - K	5321	-1724
O - N	5060	-1610	K - I	5250	-1699
N - M	3875	-1107			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
O - D	399	-34	M - F	1357	-440
D - N	492	-1142	M - G	485	-1123
E - N	1358	-412	G - L	394	-33

Lumber

Top chord: 2x4 SP #2; T2,T5 2x4 SP M-31;
Bot chord: 2x6 SP 2400f-2.0E; B2,B3 2x6 SP #2;
Webs: 2x4 SP #3;

Purlins

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

Wind

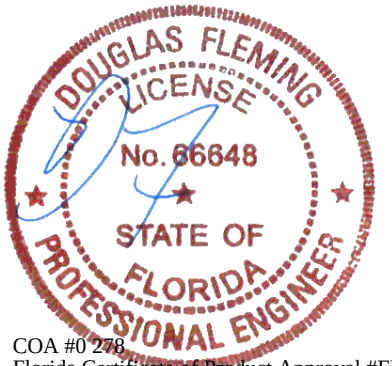
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 8-5-3.

Shim all supports to solid bearing.



COA #0 278
Florida Certificate of Product Approval #FL1999
09/19/2024

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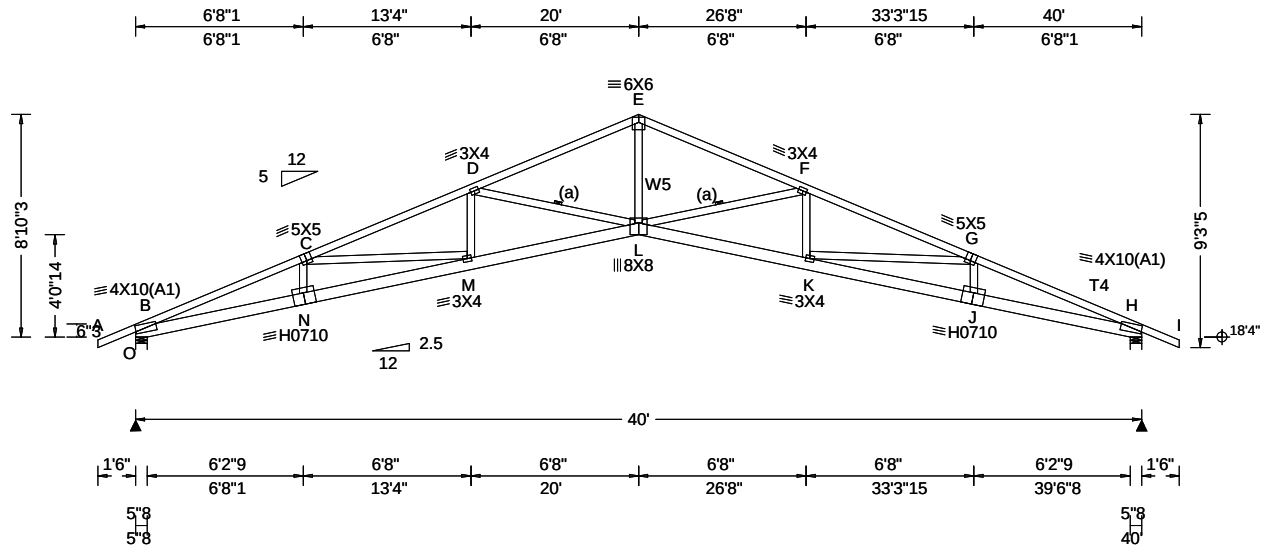
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 783071 COMN FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** A08	Cust: R 215 JRef:1Y3e2150007 T9 DrwNo: 263.24.1634.01593 NW / DF 09/19/2024	



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: 22.81 ft
TCDL: 4.2 psf
BCDL: 3.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 4.00 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, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.517	L	921	240
VERT(CL): 1.051	L	453	180
HORZ(LL): 0.283	H	-	-
HORZ(TL): 0.575	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.843
Max BC CSI: 0.500
Max Web CSI: 0.610

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
O	1704	/-	/-	/949	/471	/217
H	1704	/-	/-	/949	/471	/-

Wind reactions based on MWFRS
O Brg Wid = 5.5 Min Req = 1.5 (Truss)
H Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings O & 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	1828	- 5723	E - F	1342	- 4098
C - D	1724	- 5338	F - G	1709	- 5343
D - E	1324	- 4098	G - H	1806	- 5680

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - N	5285	- 1639	L - K	4962	- 1418
N - M	5351	- 1661	K - J	5316	- 1620
M - L	4958	- 1451	J - H	5244	- 1596

Maximum Web Forces Per Ply (lbs)

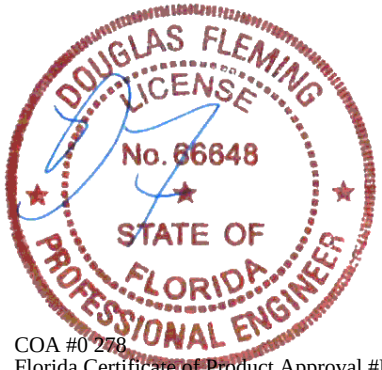
Webs	Tens.	Comp.	Webs	Tens.	Comp.
M - D	420	- 46	L - F	509	- 1174
D - L	507	- 1170	F - K	423	- 47
E - L	2700	- 770			

Lumber
Top chord: 2x4 SP M-31; T4 2x4 SP #2;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W5 2x4 SP #2;

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

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 8-10-3.
Shim all supports to solid bearing.



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Florida Certificate of Product Approval #FL1999
09/19/2024

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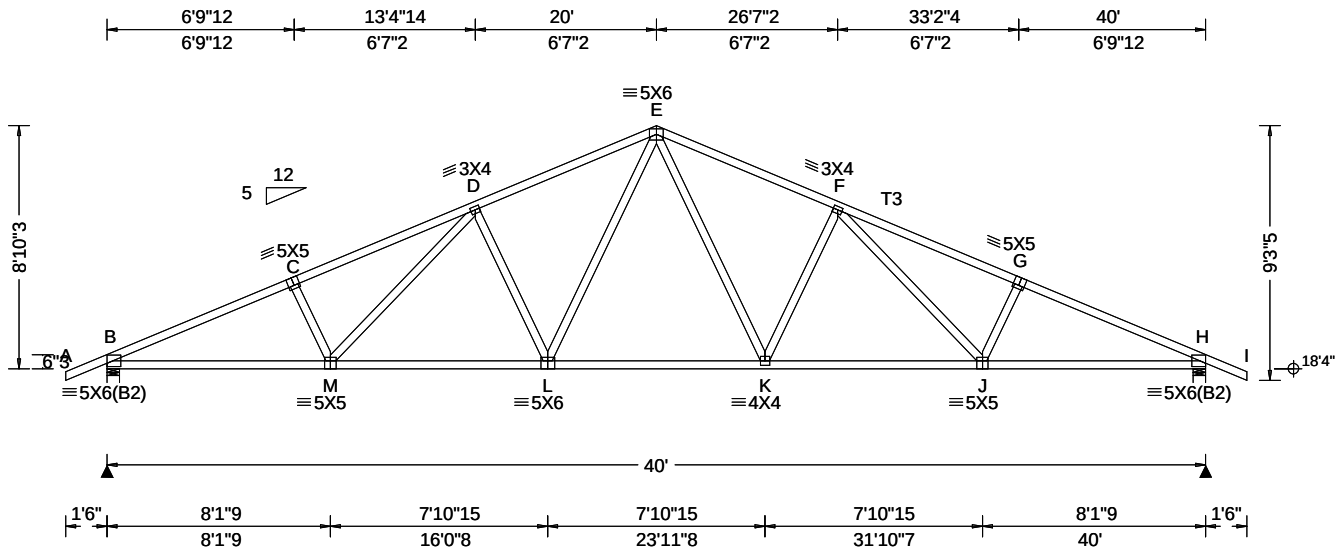
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 783074 COMN FROM: CDM	Ply: 1 Qty: 5	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** A09	Cust: R 215 JRef:1Y3e2150007 T52 DrwNo: 263.24.1634.04477 NW / DF 09/19/2024



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: 22.81 ft
TCDL: 4.2 psf
BCDL: 3.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 4.00 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): 0.272	K	999	240
VERT(CL): 0.501	K	953	180
HORZ(LL): 0.097	H	-	-
HORZ(TL): 0.178	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.733
Max BC CSI: 0.586
Max Web CSI: 0.502

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1884	/-	/-	/949	/471	/217
H	1884	/-	/-	/949	/471	/-

Wind reactions based on MWFRS
B Brg Wid = 5.5 Min Req = 1.6 (Truss)
H Brg Wid = 5.5 Min Req = 1.6 (Truss)
Bearings B & 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	1110	- 3772	E - F	987	- 2953
C - D	1127	- 3606	F - G	1127	- 3609
D - E	987	- 2952	G - H	1110	- 3774

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - M	3386	- 944	K - J	2916	- 733
M - L	2916	- 751	J - H	3390	- 928
L - K	2229	- 488			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
M - D	522	- 176	E - K	1002	- 288
D - L	336	- 632	K - F	335	- 631
L - E	999	- 290	F - J	523	- 177

Lumber

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

Loading

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

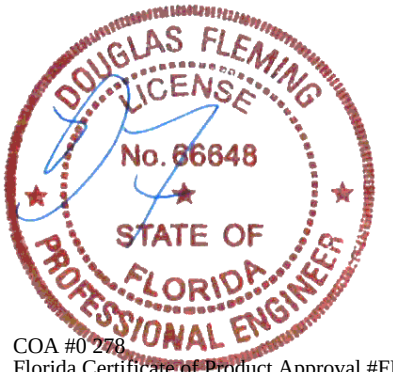
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 8-10-3.



COA #0 278
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09/19/2024

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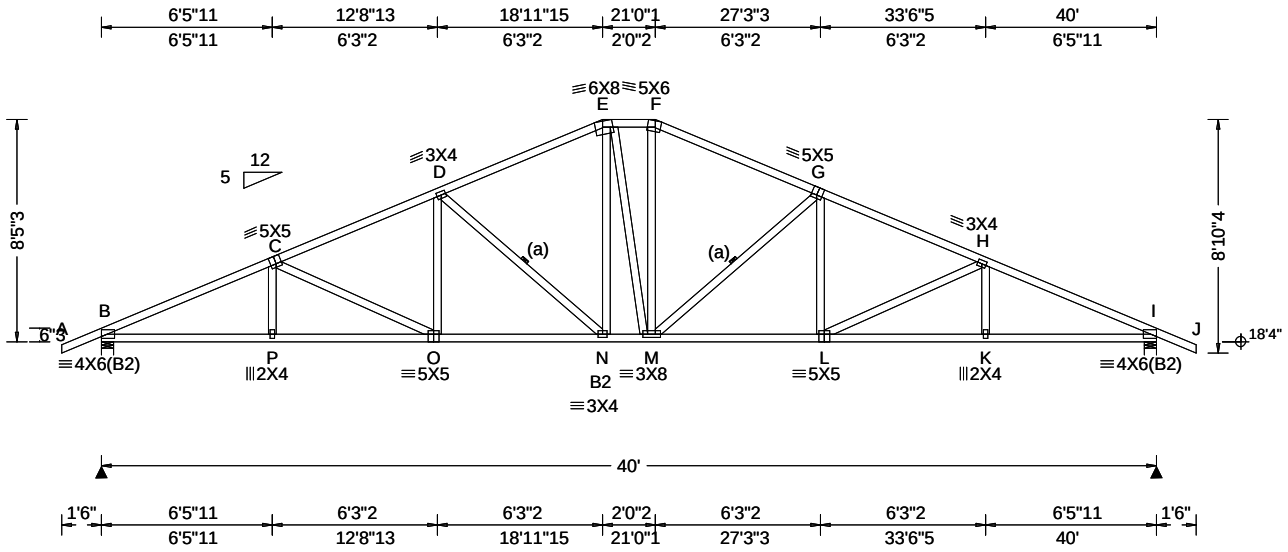
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 783108 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** A10	Cust: R 215 JRef:1Y3e2150007 T55 DrwNo: 263.24.1634.06547 NW / DF 09/19/2024		



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: 22.60 ft
TCDL: 4.2 psf
BCDL: 3.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 4.00 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): 0.242	N	999	240
VERT(CL): 0.489	N	976	180
HORZ(LL): 0.089	I	-	-
HORZ(TL): 0.180	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.890
Max BC CSI: 0.700
Max Web CSI: 0.390

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
B	1699	/-	/-	/953	/472	/208
I	1699	/-	/-	/953	/472	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	1143	- 3316	F - G	936	- 2233
C - D	1076	- 2873	G - H	1076	- 2871
D - E	939	- 2241	H - I	1145	- 3318
E - F	916	- 1997			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - P	2973	- 986	M - L	2573	- 806
P - O	2973	- 988	L - K	2975	- 973
O - N	2576	- 826	K - I	2976	- 971
N - M	1993	- 575			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - O	196	- 425	M - F	588	- 229
O - D	421	- 57	M - G	336	- 782
D - N	338	- 785	G - L	421	- 57
E - N	589	- 197	L - H	199	- 431

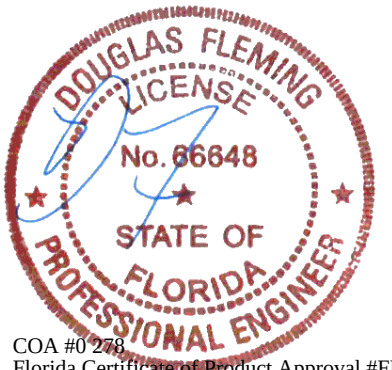
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31; B2 2x4 SP #2;
Webs: 2x4 SP #3;

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

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

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

Additional Notes
The overall height of this truss excluding overhang is 8-5-3.



COA #0 278
Florida Certificate of Product Approval #FL1999
09/19/2024

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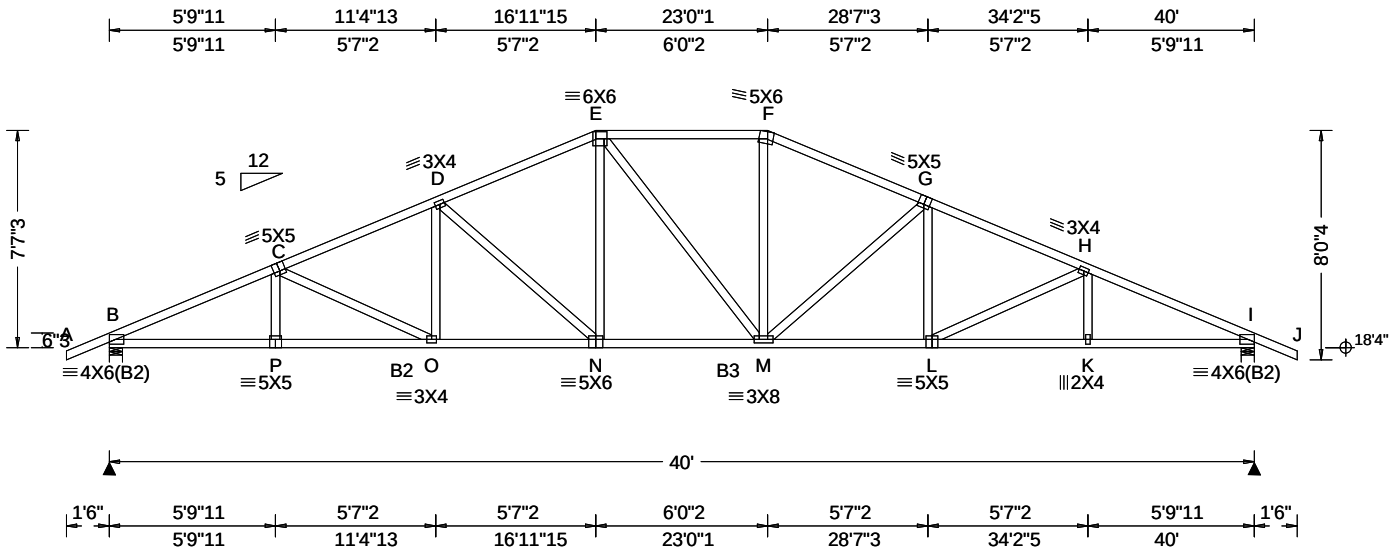
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 783106 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** A11		Cust: R 215 JRef:1Y3e2150007 T31 DrwNo: 263.24.1634.08550 NW / DF 09/19/2024	



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): 0.246 N 999 240
BCLL: 0.00		Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.498 N 959 180
BCDL: 10.00		Risk Category: II	Snow Duration: NA	HORZ(LL): 0.093 I - -
Des Ld: 40.00		EXP: C Kzt: NA		HORZ(TL): 0.187 I - -
NCBCLL: 10.00		Mean Height: 22.18 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00		TCDL: 4.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.872
Load Duration: 1.25		BCDL: 3.0 psf	TPI Std: 2014	Max BC CSI: 0.876
Spacing: 24.0 "		MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes	Max Web CSI: 0.728
		C&C Dist a: 4.00 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	1699	/-	/-	/958	/473	/188
I	1699	/-	/-	/958	/473	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	1261	- 3320	F - G	1105	- 2424
C - D	1226	- 2973	G - H	1226	- 2971
D - E	1109	- 2433	H - I	1259	- 3314
E - F	1078	- 2186			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - P	2980	- 1099	M - L	2674	- 964
P - O	2980	- 1102	L - K	2976	- 1083
O - N	2677	- 983	K - I	2975	- 1080
N - M	2183	- 772			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - N	285	- 667	M - F	564	- 166
E - N	563	- 155	M - G	285	- 667

Lumber

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

Purlins

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

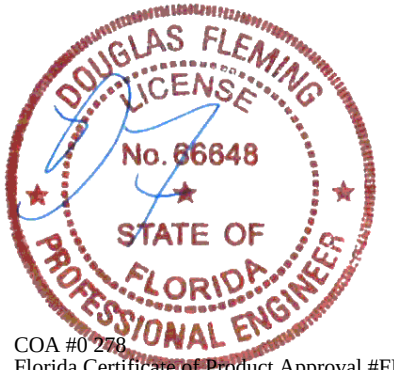
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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



COA #0 278
Florida Certificate of Product Approval #FL1999
09/19/2024

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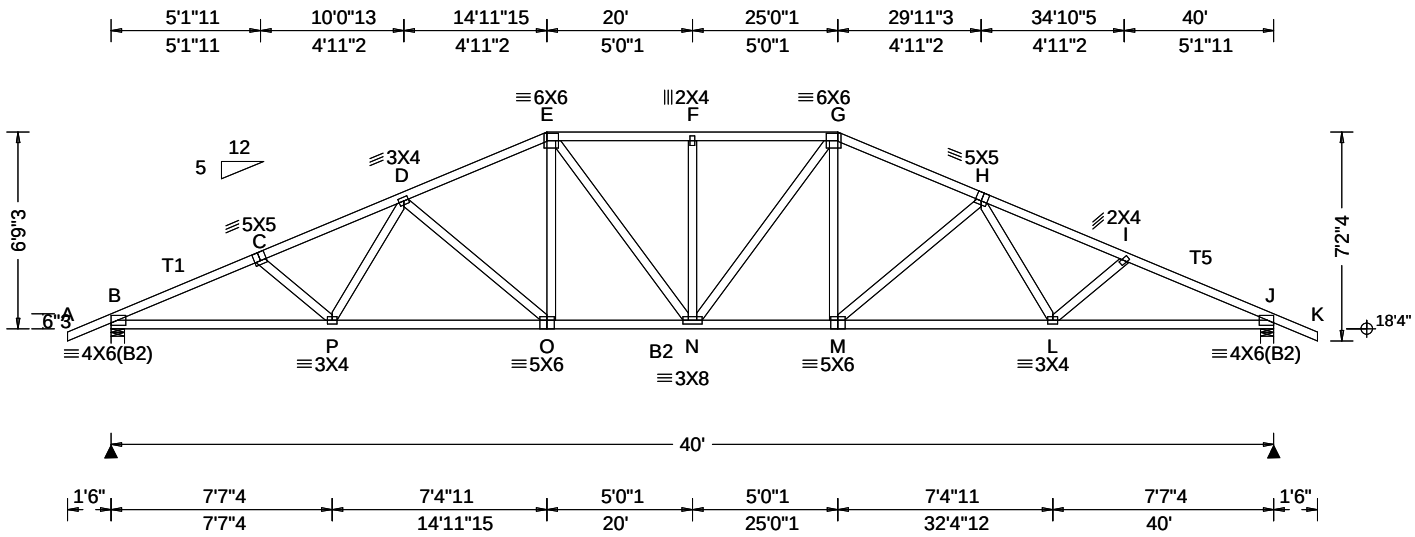
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 783104 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** A12		Cust: R 215 JRef:1Y3e2150007 T18 DrwNo: 263.24.1634.10630 NW / DF 09/19/2024	



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: 21.77 ft
TCDL: 4.2 psf
BCDL: 3.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 4.00 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): 0.230	F	999	240
VERT(CL): 0.465	F	999	180
HORZ(LL): 0.084	J	-	-
HORZ(TL): 0.170	J	-	-

Creep Factor: 2.0
Max TC CSI: 0.512
Max BC CSI: 0.660
Max Web CSI: 0.459

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1699	/-	/-	/960	/475	/169
J	1699	/-	/-	/960	/475	/-

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	1406	- 3348	F - G	1305	- 2512
C - D	1371	- 3157	G - H	1277	- 2623
D - E	1277	- 2624	H - I	1371	- 3153
E - F	1305	- 2512	I - J	1405	- 3342

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - P	3003	- 1234	N - M	2363	- 936
P - O	2757	- 1140	M - L	2756	- 1122
O - N	2363	- 954	L - J	2996	- 1215

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - O	248	- 525	G - M	508	- 139
E - O	509	- 140	M - H	247	- 524

Lumber

Top chord: 2x4 SP #2; T1,T5 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B2 2x4 SP #2;
Webs: 2x4 SP #3;

Purlins

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

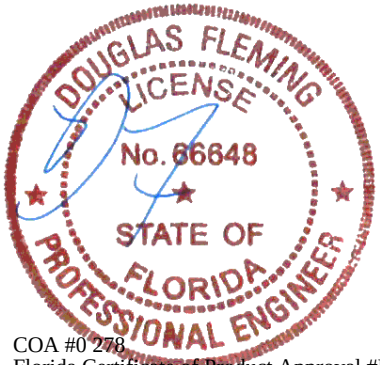
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 6-9-3.



COA #0 278
Florida Certificate of Product Approval #FL1999
09/19/2024

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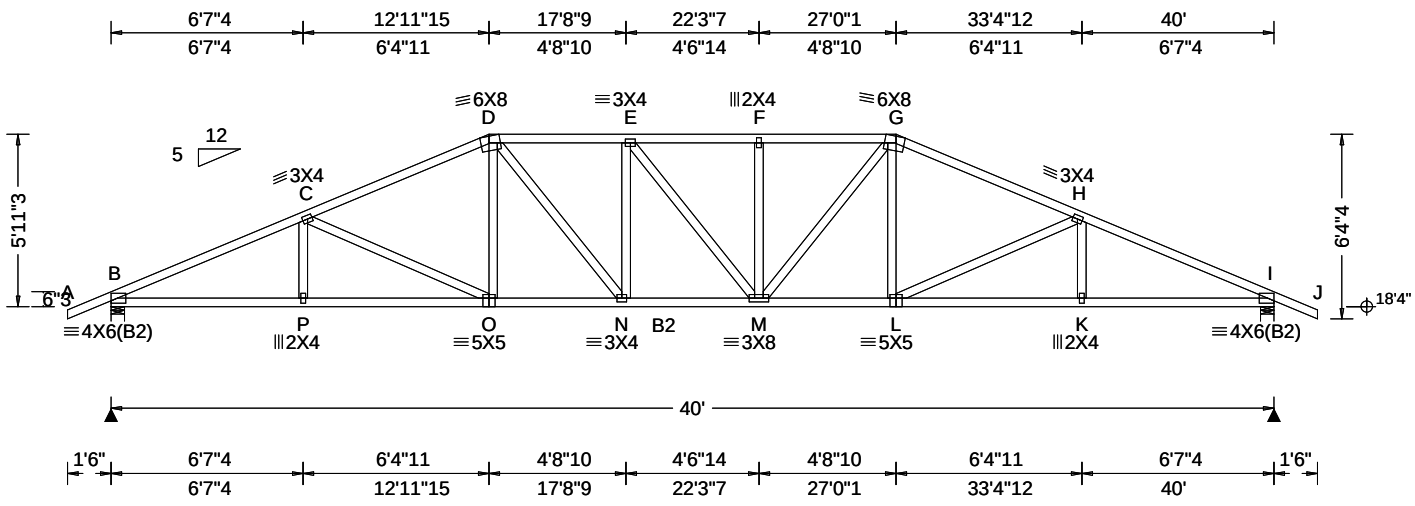
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 783102 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** A13		Cust: R 215 JRef:1Y3e2150007 T29 DrwNo: 263.24.1634.12663 NW / DF 09/19/2024	



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: 21.35 ft
TCDL: 4.2 psf
BCDL: 3.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 4.00 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): 0.266	F	999	240
VERT(CL): 0.538	F	887	180
HORZ(LL): 0.091	I	-	-
HORZ(TL): 0.183	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.892
Max BC CSI: 0.675
Max Web CSI: 0.469

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1699	/-	/-	/958	/476	/149
I	1699	/-	/-	/958	/476	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	1504	- 3323	F - G	1542	- 2838
C - D	1431	- 2833	G - H	1432	- 2833
D - E	1535	- 2828	H - I	1505	- 3323
E - F	1542	- 2838			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - P	2980	- 1318	M - L	2547	- 1126
P - O	2979	- 1321	L - K	2979	- 1304
O - N	2547	- 1144	K - I	2980	- 1302
N - M	2842	- 1308			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - O	200	- 479	M - G	453	- 314
D - O	398	- 70	G - L	401	- 70
D - N	446	- 307	L - H	200	- 479

Lumber

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

Purlins

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

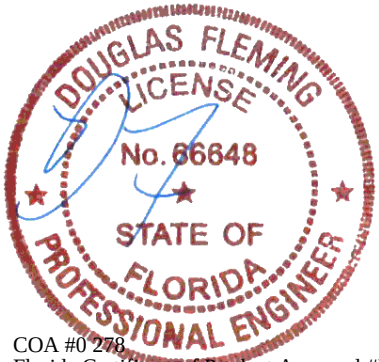
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 5-11-3.



COA #0 278
Florida Certificate of Product Approval #FL1999
09/19/2024

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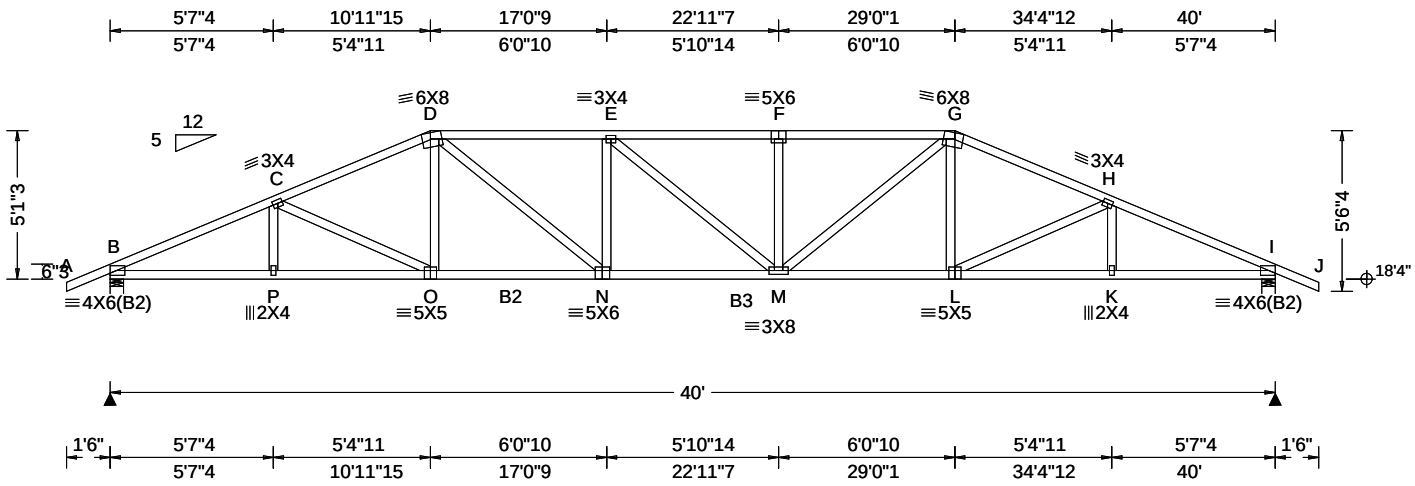
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 783100 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** A14		Cust: R 215 JRef:1Y3e2150007 T28 DrwNo: 263.24.1634.14987 NW / DF 09/19/2024	



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: 20.93 ft
TCDL: 4.2 psf
BCDL: 3.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 4.00 ft ft
Loc. from endwall: not in 6.50 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.304	F	999	240
VERT(CL): 0.615	F	776	180
HORZ(LL): 0.094	I	-	-
HORZ(TL): 0.190	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.858
Max BC CSI: 0.808
Max Web CSI: 0.538

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1699	/-	/-	/954	/477	/130
I	1699	/-	/-	/954	/477	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	1601	-3308	F - G	1866	-3321
C - D	1589	-2999	G - H	1589	-2999
D - E	1856	-3306	H - I	1602	-3308
E - F	1865	-3321			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - P	2970	-1413	M - L	2717	-1301
P - O	2970	-1417	L - K	2970	-1400
O - N	2718	-1319	K - I	2970	-1397
N - M	3328	-1669			

Maximum Web Forces Per Ply (lbs)

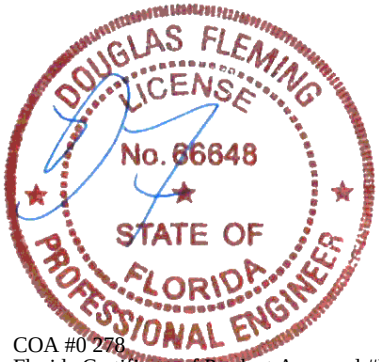
Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - N	758	-489	M - G	770	-498

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

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

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

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



COA #0 278
Florida Certificate of Product Approval #FL1999
09/19/2024

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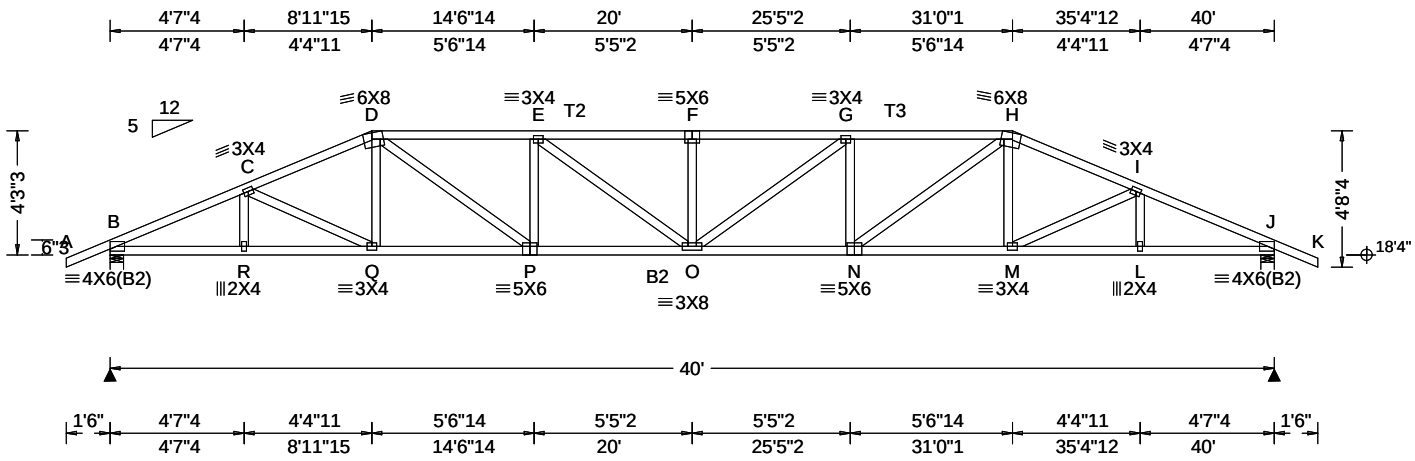
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 783098 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** A15		Cust: R 215 JRef:1Y3e2150007 T48 DrwNo: 263.24.1634.17483 NW / DF 09/19/2024	



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: 20.52 ft
TCDL: 4.2 psf
BCDL: 3.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.00 ft ft
Loc. from endwall: not in 6.50 ft
GCpi: 0.18
Wind Duration: 1.60

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

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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.357	F	999	240
VERT(CL): 0.722	F	661	180
HORZ(LL): 0.091	J	-	-
HORZ(TL): 0.183	J	-	-

Creep Factor: 2.0
Max TC CSI: 0.654
Max BC CSI: 0.900
Max Web CSI: 0.580

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1699	/-	/-	/947	/489	/110
J	1699	/-	/-	/947	/489	/-

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	1679	- 3268	F - G	2344	- 4093
C - D	1731	- 3144	G - H	2169	- 3767
D - E	2168	- 3767	H - I	1732	- 3144
E - F	2344	- 4093	I - J	1680	- 3268

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - R	2930	- 1487	O - N	3808	- 2011
R - Q	2933	- 1492	N - M	2869	- 1462
Q - P	2869	- 1479	M - L	2933	- 1475
P - O	3808	- 2028	L - J	2930	- 1471

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - P	1111	- 691	G - N	449	- 559
P - E	449	- 559	N - H	1111	- 691

Lumber

Top chord: 2x4 SP M-31; T2,T3 2x4 SP #2;
Bot chord: 2x4 SP M-31; B2 2x4 SP #2;
Webs: 2x4 SP #3;

Purlins

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

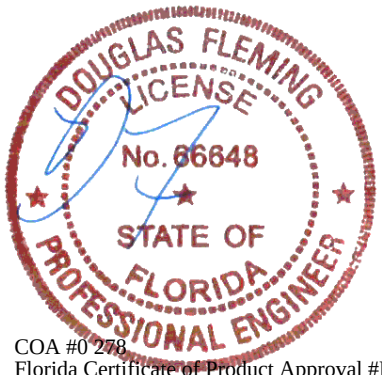
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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



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09/19/2024

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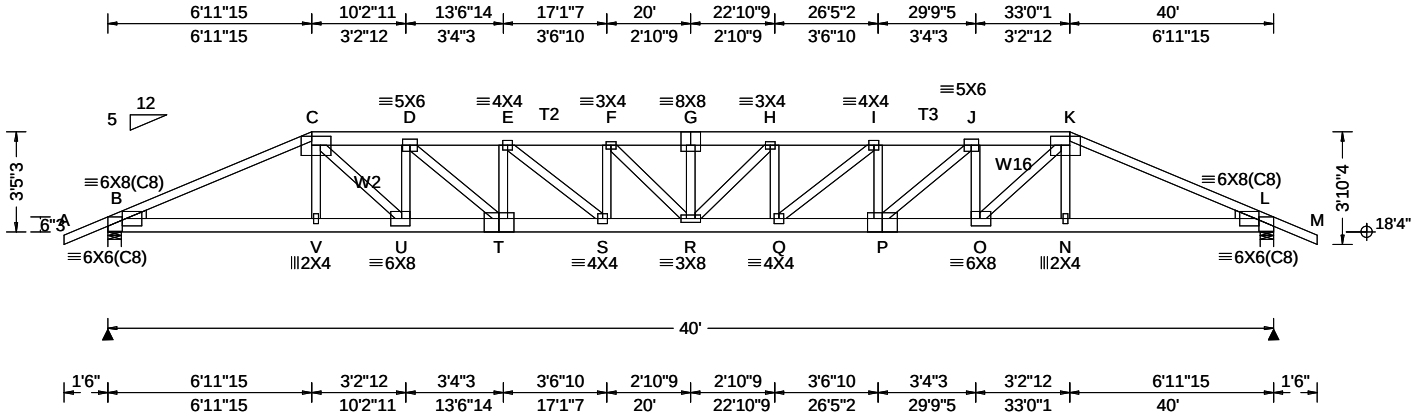
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 783096 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** A16	Cust: R 215 JRef:1Y3e2150007 T19 DrwNo: 263.24.1634.37990 NW / DF 09/19/2024		



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: 20.00 ft
TCDL: 4.2 psf
BCDL: 3.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.00 ft ft
Loc. from endwall: not in 6.50 ft
GCpi: 0.18
Wind Duration: 1.60

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

Building Code:
FBC 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, 18SS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.766 G	622	240
VERT(CL):	1.532 G	310	180
HORZ(LL):	0.148 L	-	-
HORZ(TL):	0.296 L	-	-

Creep Factor: 2.0
Max TC CSI: 0.947
Max BC CSI: 0.922
Max Web CSI: 0.889

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	4120	/-	/-	/-	/1397	/-
L	4119	/-	/-	/-	/1395	/-

Wind reactions based on MWFRS
B Brg Wid = 5.5 Min Req = 3.4 (Truss)
L Brg Wid = 5.5 Min Req = 3.4 (Truss)
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	3089	- 9054	G - H	4906	- 14296
C - D	3738	- 10936	H - I	4796	- 13984
D - E	4390	- 12816	I - J	4389	- 12814
E - F	4797	- 13985	J - K	3736	- 10934
F - G	4906	- 14296	K - L	3086	- 9052

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - V	8278	- 2814	R - Q	14051	- 4829
V - U	8289	- 2809	Q - P	12951	- 4447
U - T	11144	- 3820	P - O	11142	- 3818
T - S	12953	- 4448	O - N	8287	- 2806
S - R	14052	- 4830	N - L	8276	- 2812

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - U	3695	- 1297	H - Q	339	- 684
U - D	846	- 2155	Q - I	1398	- 473
D - T	2334	- 796	I - P	594	- 1403
T - E	594	- 1403	P - J	2335	- 797
E - S	1397	- 472	J - O	847	- 2155
S - F	338	- 684	O - K	3696	- 1298

Lumber

Top chord: 2x4 SP M-31; T2,T3 2x6 SP 2400f-2.0E;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W2,W16 2x4 SP #2;
Lt Wedge: 2x4 SP #3;Rt Wedge: 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	33.00
TC: From	62 plf at	33.00 to	62 plf at	41.50
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	32.97
BC: From	20 plf at	32.97 to	20 plf at	40.00
BC: From	4 plf at	40.00 to	4 plf at	41.50

TC: 451 lb Conc. Load at 7.03,32.97
TC: 195 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06,19.06,20.94,22.94,24.94,26.94,28.94,30.94
BC: 508 lb Conc. Load at 7.03
BC: 132 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06,19.06,20.94,22.94,24.94,26.94,28.94,30.94
BC: 506 lb Conc. Load at 32.97

Plating Notes

All plates are SS0712 except as noted.

Purlins

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

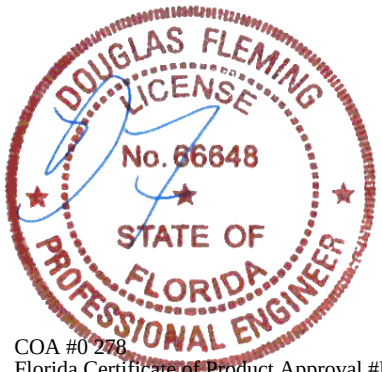
Wind

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 3-5-3.



COA #0 278
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09/19/2024

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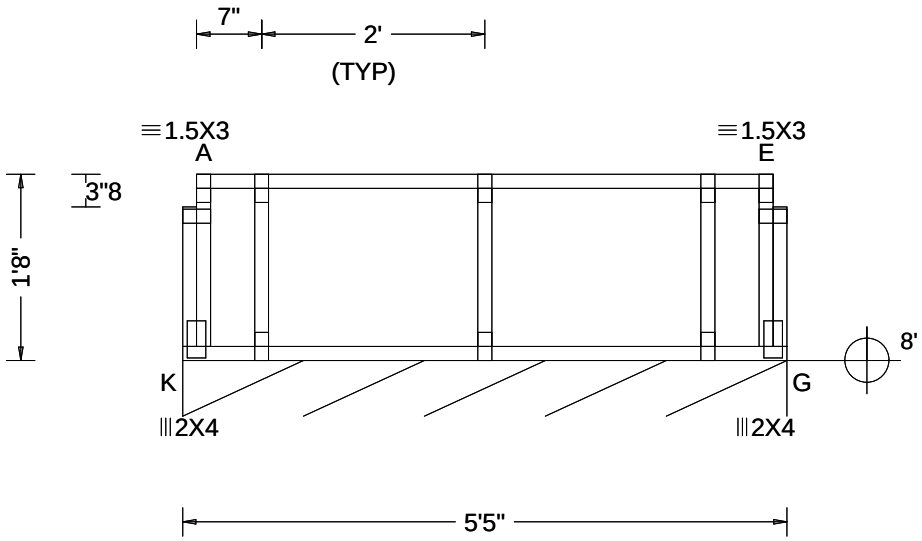
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 773344 / SY42 FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** F01	Cust: R 215 JRef:1Y3e2150007 T13 / DrwNo: 263.24.1233.08344 GA / DF 09/19/2024



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Kzt: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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 999 480 VERT(CL): 0.001 C 999 360 HORZ(LL): 0.000 E - - HORZ(TL): 0.000 E - - Creep Factor: 2.0 Max TC CSI: 0.192 Max BC CSI: 0.046 Max Web CSI: 0.050 VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G*	105	/-	/-	/-	/-	/-

G Brg Wid = 65.0 Min Req = -
Bearing K is a rigid surface.
Members not listed have forces less than 375#

Lumber

Top chord: 4x2 SP #2;
Bot chord: 4x2 SP #2;
Webs: 4x2 SP #3;

Bracing

Sheathing is required for any longitudinal(drag) forces. All connections to be designed by the building designer.

Fasten rated sheathing to one face of this frame.

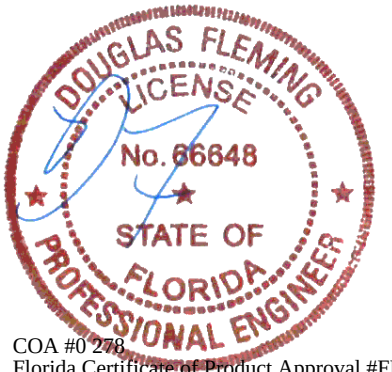
Plating Notes

All plates are 1.5X3 except as noted.

Additional Notes

Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is 1-8-0.



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09/19/2024

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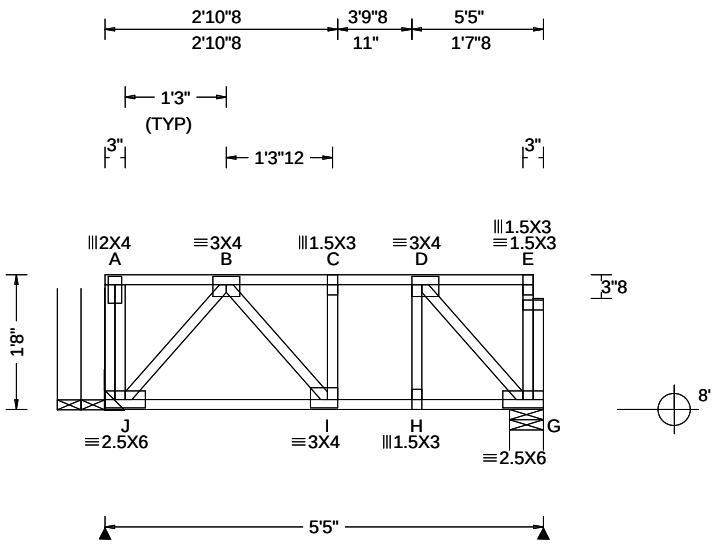
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 773342 / SY42 FROM: CDM	Ply: 1 Qty: 9	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** F02	Cust: R 215 JRef:1Y3e2150007 T15 DrwNo: 263.24.1233.07984 GA / DF 09/19/2024



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

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

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

Building Code:
FBC 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.014	C	999	480
VERT(CL): 0.021	C	999	360
HORZ(LL): 0.006	B	-	-
HORZ(TL): 0.010	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.227
Max BC CSI: 0.169
Max Web CSI: 0.076

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

		Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh		/ Rw	/ U	/ RL
J	302 /-	/-		/-	/-	/-
G	281 /-	/-		/-	/-	/-

J Brg Wid = - Min Req = -
G Brg Wid = 5.0 Min Req = 1.5 (Truss)
Bearing G is a rigid surface.
Members not listed have forces less than 375#

Lumber
Top chord: 4x2 SP #2;
Bot chord: 4x2 SP #2;
Webs: 4x2 SP #3;

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

Additional Notes
Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 1-8-0.

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

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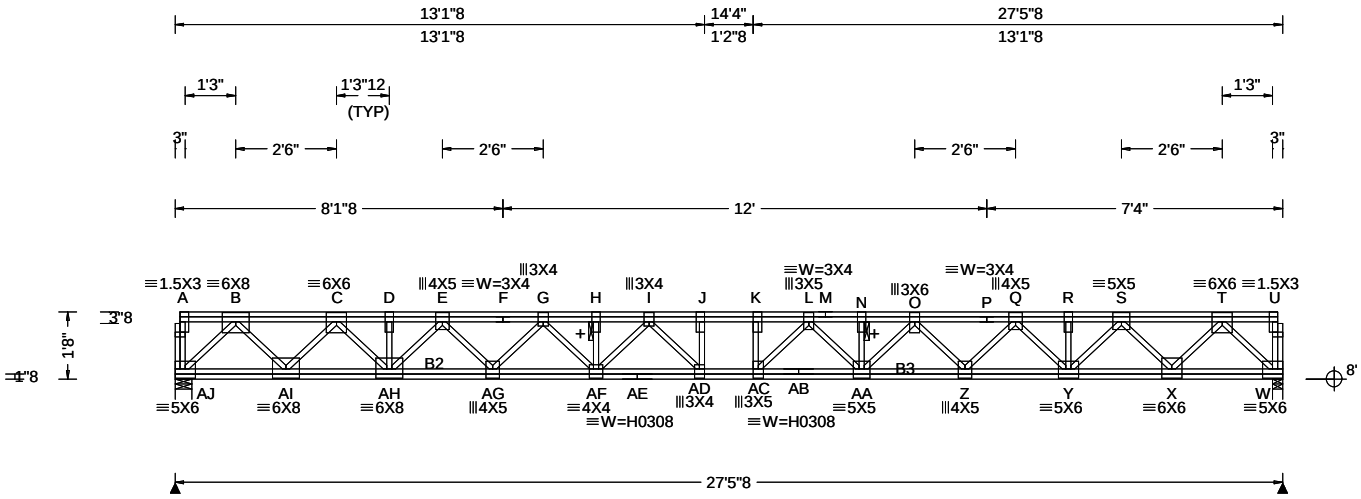
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 773348 / SY42 FROM: CDM	Ply: 2 Qty: 1	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** F03	Cust: R 215 JRef:1Y3e2150007 T8 / DrwNo: 263.24.1233.08282 GA / DF 09/19/2024	

2 Complete Trusses Required



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.498 AD 652 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.685 AD 474 360
BCDL: 5.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.065 B - -
Des Ld: 55.00	EXP: NA Kzt: NA		HORZ(TL): 0.089 B - -
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.528
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.851
Spacing: 24.0 "	MWFRS Parallel Dist: NA	Rep Fac: Varies by Ld Case	Max Web CSI: 0.762
	C&C Dist a: NA	FT/RT:12(0)/10(0)	
	Loc. from endwall: NA	Plate Type(s):	VIEW Ver: 23.02.04.0123.14
	I: NA GCpi: NA	WAVE, HS	
	Wind Duration: NA		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
AJ	2893	/-	/-	/-	/-	/-
W	2820	/-	/-	/-	/-	/-

AJ Brg Wid = 5.0 Min Req = 1.5 (Truss)
W Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings AJ & W are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-2390	K - L	0	-6066
C - D	0	-4263	L - M	0	-5381
D - E	0	-4263	M - N	0	-5381
E - F	0	-5475	N - O	0	-5381
F - G	0	-5475	O - P	0	-4549
G - H	0	-6161	P - Q	0	-4549
H - I	0	-6161	Q - R	0	-3470
I - J	0	-6079	R - S	0	-3470
J - K	0	-6077	S - T	0	-2026

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AJ-AI	1331	0	AC-AB	5730	0
AI-AH	3437	0	AB-AA	5730	0
AH-AG	5015	0	AA- Z	5004	0
AG-AF	5932	0	Z - Y	4075	0
AF-AE	6243	0	Y - X	2857	0
AE-AD	6243	0	X - W	1186	0
AD-AC	6077	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AJ- B	0	-1959	AA- O	555	0
B -AI	1599	0	O - Z	0	-687
AI- C	0	-1583	Z - Q	717	0
C -AH	1215	0	Q - Y	0	-891
AH- E	0	-1106	Y - S	901	0
E -AG	696	0	S - X	0	-1256
AG- G	0	-690	X - T	1270	0
AC- L	508	-148	T - W	0	-1745
L -AA	0	-514			

Lumber

Top chord: 4x2 SP #2;
Bot chord: 4x2 SP #2; B2,B3 4x2 SP M-31;
Webs: 4x2 SP #3;

Special Loads

------(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 100 plf at 0.12 to 100 plf at 27.33
BC: From 10 plf at 0.00 to 10 plf at 27.46
TC: 302 lb Conc. Load at 2.27, 4.27, 6.27, 8.27 10.27,12.27,23.98,25.65,27.06

Plating Notes

All plates are 2.5X6 except as noted.

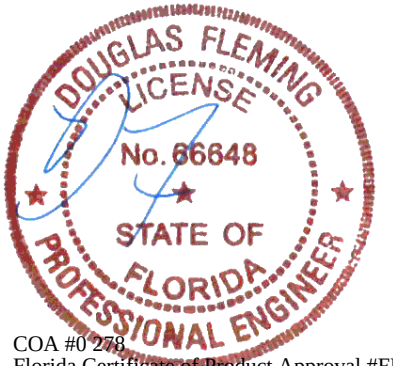
Additional Notes

See DWG CNSY42PL0118 for connection details of 2 ply trusses.

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is 1-8-0.



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09/19/2024

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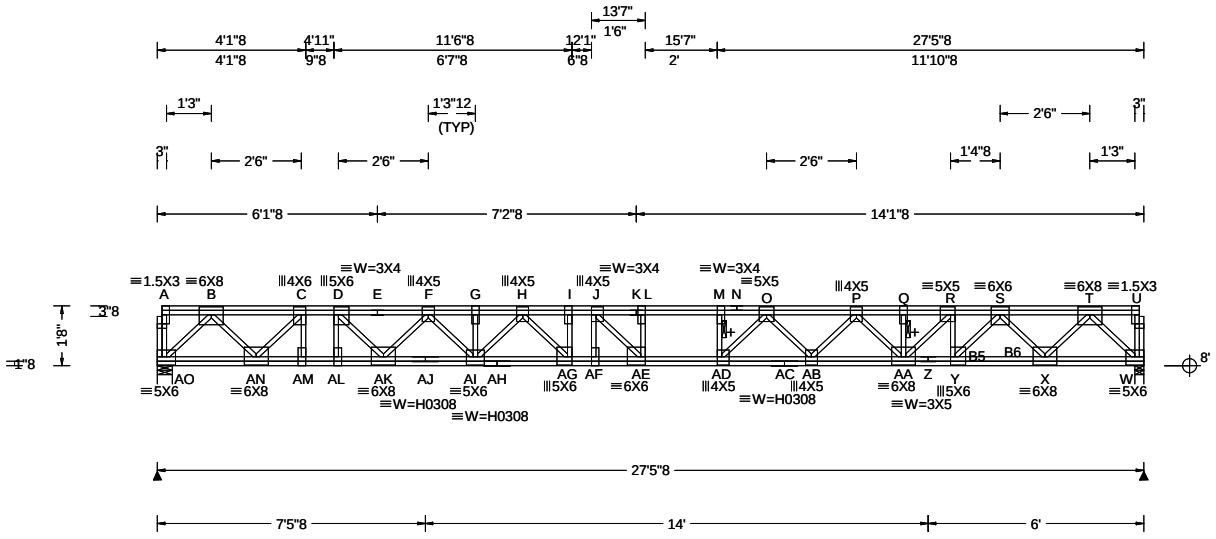
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 773368 / SY42 FROM: CDM	Ply: 1 Qty: 11	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** F04	Cust: R 215 JRef:1Y3e2150007 T2 / DrwNo: 263.24.1233.07968 GA / DF 09/19/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.623 L 521 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.857 L 379 360
BCDL: 5.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.064 B - -
Des Ld: 55.00	EXP: NA Kzt: NA		HORZ(TL): 0.088 B - -
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.845
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.776
Spacing: 24.0 "	MWFRS Parallel Dist: NA	Rep Fac: Yes	Max Web CSI: 0.821
	C&C Dist a: NA	FT/RT:12(0)/10(0)	
	Loc. from endwall: NA	Plate Type(s):	
	I: NA GCpi: NA	WAVE, HS	VIEW Ver: 23.02.04.0123.14
	Wind Duration: NA		

Lumber

Top chord: 4x2 SP #2;
Bot chord: 4x2 SP M-31; B5,B6 4x2 SP #2;
Webs: 4x2 SP #3;

Plating Notes

All plates are 2.5X6 except as noted.

Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is 1-8-0.

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
AO	1498	/-	/-	/-	/-	/-
W	1498	/-	/-	/-	/-	/-

AO Brg Wid = 5.0 Min Req = 1.5 (Truss)
W Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings AO & W are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-2431	K - L	0	-7037
C - D	0	-3826	L - M	0	-7042
D - E	0	-4910	M - N	0	-7032
E - F	0	-4910	N - O	0	-7032
F - G	0	-6164	O - P	0	-6291
G - H	0	-6164	P - Q	0	-5179
H - I	0	-6948	Q - R	0	-5179
I - J	0	-6957	R - S	0	-4319
J - K	0	-7037	S - T	0	-2408

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AO-AN	1289	0	AF-AE	6962	0
AN-AM	3785	0	AE-AD	7042	0
AM-AL	3826	0	AD-AC	6730	0
AL-AK	3867	0	AC-AB	6730	0
AK-AJ	5683	0	AB-AA	5849	0
AJ-AI	5683	0	AA- Z	4401	0
AI-AH	6622	0	Z - Y	4401	0
AH-AG	6622	0	Y - X	3466	0
AG-AF	6957	0	X - W	1331	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AO- B	0	-1898	M -AD	0	-401
B -AN	1725	0	AD- O	867	-143
AN- C	0	-2047	O -AB	0	-711
C -AM	990	0	AB- P	667	0
AL- D	0	-983	P -AA	0	-987
D -AK	1627	0	AA- R	1143	0
AK- F	0	-1201	R - Y	0	-938
F -AI	736	0	Y - S	1289	0
AI- H	0	-707	S - X	0	-1598
H -AG	724	-59	X - T	1629	0
J -AE	769	-581	T - W	0	-1958

COA #0 278
Florida Certificate of Product Approval #FL1999
09/19/2024

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

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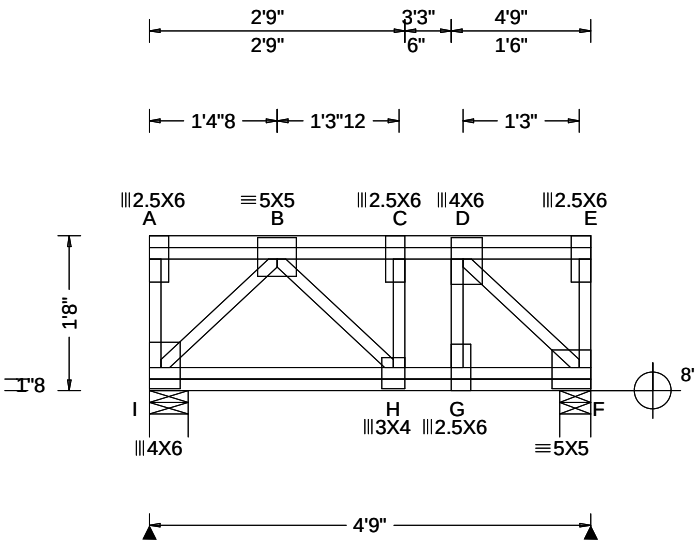
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 773362 / SY42 FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** F05	Cust: R 215 JRef:1Y3e2150007 T7 / DrwNo: 263.24.1233.08094 GA / DF 09/19/2024



Loading Criteria (psf)

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

Load Duration: 1.00
Spacing: 24.0 "

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

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

Building Code:
FBC 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.037	C	999	480
VERT(CL): 0.050	C	999	360
HORZ(LL): 0.005	B	-	-
HORZ(TL): 0.007	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.407
Max BC CSI: 0.306
Max Web CSI: 0.461

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
I	1222	/-	/-	/-	/-	/-
F	1714	/-	/-	/-	/-	/-

I Brg Wid = 5.0 Min Req = 1.5 (Truss)
F Brg Wid = 4.0 Min Req = 1.5 (Truss)
Bearings I & F are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-1337	C - D	0	-1346

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
I - H	1204	0	G - F	1344	0
H - G	1346	0			

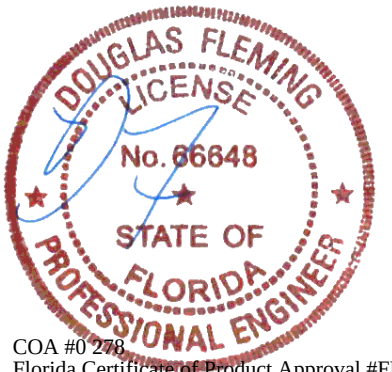
Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
I - B	0	-1728	D - F	0	-1930

Lumber
Top chord: 4x2 SP M-31;
Bot chord: 4x2 SP #2;
Webs: 4x2 SP #3;

Special Loads
------(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 50 plf at 0.00 to 50 plf at 4.75
BC: From 5 plf at 0.00 to 5 plf at 4.75
TC: 1337 lb Conc. Load at 1.81, 3.81

Additional Notes
Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 1-8-0.



COA #0 278
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09/19/2024

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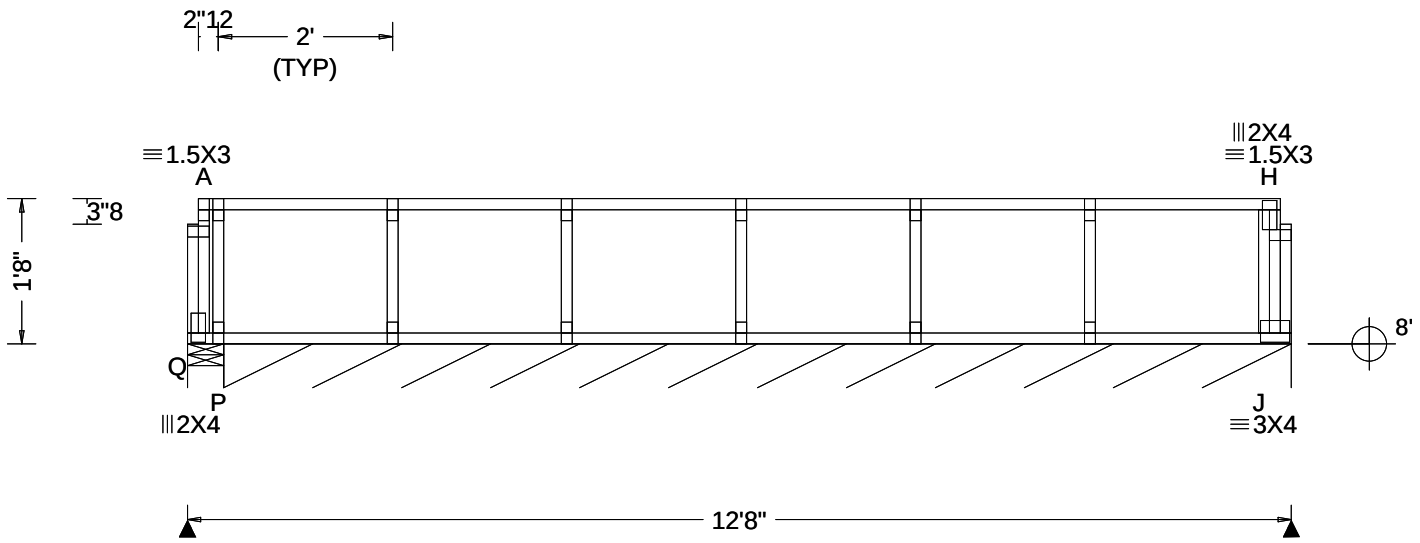
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 773370 / SY42 FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** F06	Cust: R 215 JRef:1Y3e2150007 T11 DrwNo: 263.24.1233.08312 GA / DF 09/19/2024



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

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

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

Building Code:
FBC 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): 0.002	B	999	480
VERT(CL): 0.003	B	999	360
HORZ(LL): 0.009	B	-	-
HORZ(TL): 0.012	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.248
Max BC CSI: 0.076
Max Web CSI: 0.061

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Q	106	/-	/-	/-	/-	/-
P*	103	/-	/-	/-	/-	/-

Q Brg Wid = 5.0 Min Req = 1.5 (Truss)
P Brg Wid = 147 Min Req = -
Bearings Q & P are a rigid surface.
Members not listed have forces less than 375#

Lumber
Top chord: 4x2 SP #2;
Bot chord: 4x2 SP #2;
Webs: 4x2 SP #3;

Bracing
Sheathing is required for any longitudinal(drag) forces. All connections to be designed by the building designer.

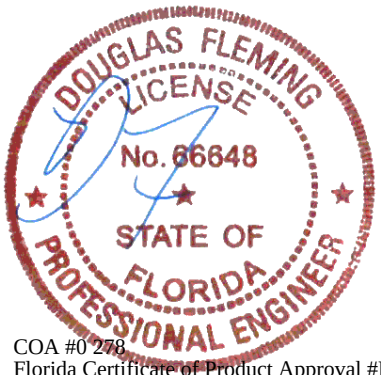
Fasten rated sheathing to one face of this frame.

Plating Notes
All plates are 1.5X3 except as noted.

Additional Notes
See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is 1-8-0.



COA #0 278
Florida Certificate of Product Approval #FL1999
09/19/2024

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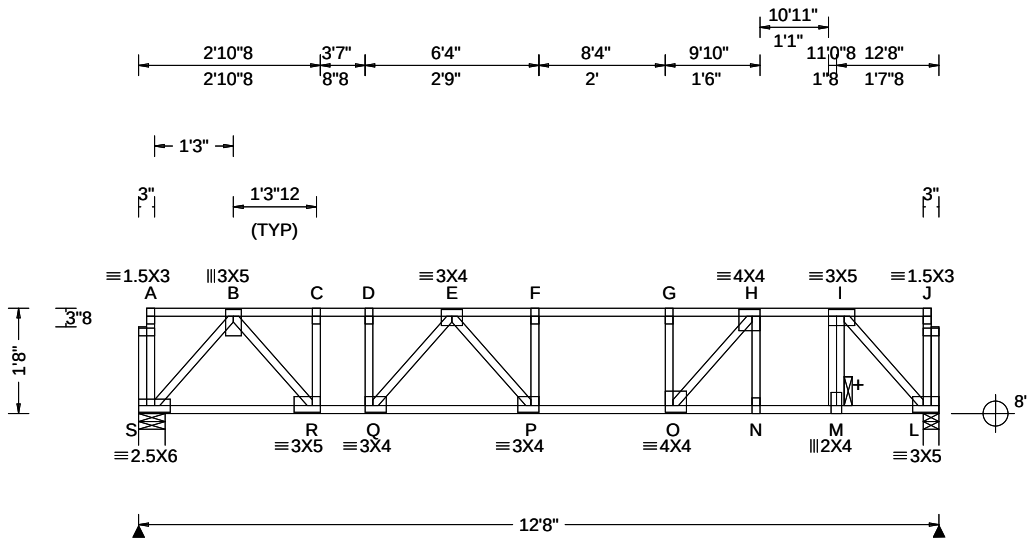
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 773354 / SY42 FROM: CDM	Ply: 1 Qty: 14	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** F07	Cust: R 215 JRef:1Y3e2150007 T1 / DrwNo: 263.24.1233.08000 GA / DF 09/19/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.183 F 804 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.247 F 596 360
BCDL: 5.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.030 B - -
Des Ld: 55.00	EXP: NA Kzt: NA		HORZ(TL): 0.044 B - -
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.894
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.455
Spacing: 24.0 "	MWFRS Parallel Dist: NA	Rep Fac: Yes	Max Web CSI: 0.415
	C&C Dist a: NA	FT/RT:12(0)/10(0)	
	Loc. from endwall: NA	Plate Type(s):	
	I: NA GCpi: NA	WAVE	VIEW Ver: 23.02.04.0123.14
	Wind Duration: NA		

Lumber

Top chord: 4x2 SP #2;
Bot chord: 4x2 SP M-31;
Webs: 4x2 SP #3;

Plating Notes

All plates are 1.5X3 except as noted.

Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is 1-8-0.

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
S	689	/-	/-	/-	/-	/-
L	684	/-	/-	/-	/-	/-

S Brg Wid = 5.0 Min Req = 1.5 (Truss)
L Brg Wid = 3.0 Min Req = 1.5 (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.
B - C	0	-987	F - G	0	-1303
C - D	0	-1003	G - H	0	-1287
D - E	0	-1011	H - I	0	-737
E - F	0	-1301			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
S - R	531	0	O - N	755	0
R - Q	1003	0	N - M	737	0
Q - P	1269	0	M - L	721	0
P - O	1303	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
S - B	0	-820	O - H	872	0
B - R	724	0	H - N	0	-470
R - C	0	-390	M - I	409	0
Q - E	0	-454	I - L	0	-1083
G - O	0	-402			

COA #0 278
Florida Certificate of Product Approval #FL1999
09/19/2024

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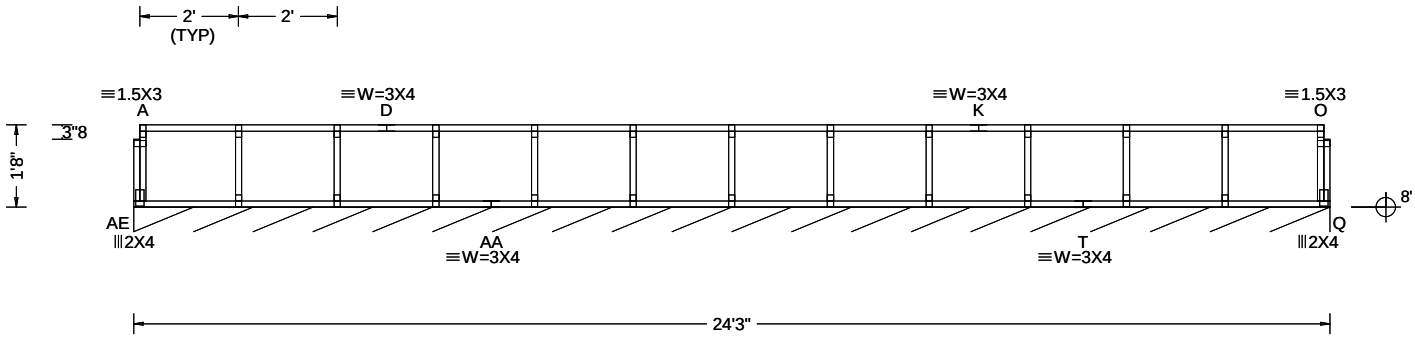
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 773366 / SY42 FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** F08	Cust: R 215 JRef:1Y3e2150007 T5 / DrwNo: 263.24.1233.08266 GA / DF 09/19/2024



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

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

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

Building Code:
FBC 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	O	999	480
VERT(CL): 0.001	O	999	360
HORZ(LL): 0.000	B	-	-
HORZ(TL): 0.000	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.249
Max BC CSI: 0.048
Max Web CSI: 0.052

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs), or *=PLF

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
Q*	109	/-	/-	/-	/-	/-

Q Brg Wid = 291 Min Req = -
Bearing AE is a rigid surface.
Members not listed have forces less than 375#

Lumber
Top chord: 4x2 SP #2;
Bot chord: 4x2 SP #2;
Webs: 4x2 SP #3;

Bracing
Sheathing is required for any longitudinal(drag) forces. All connections to be designed by the building designer.

Fasten rated sheathing to one face of this frame.

Plating Notes
All plates are 1.5X3 except as noted.

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

The overall height of this truss excluding overhang is 1-8-0.

COA #0 278
Florida Certificate of Product Approval #FL1999
09/19/2024

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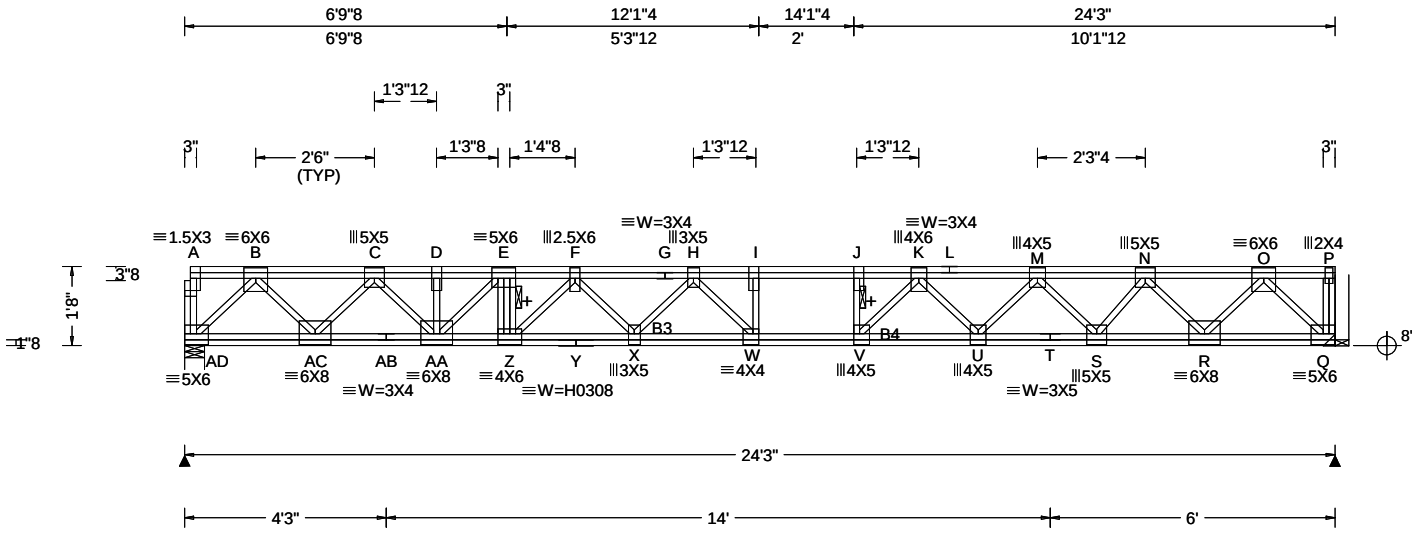
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 773360 / SY42 FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** F09	Cust: R 215 JRef:1Y3e2150007 T6 / DrwNo: 263.24.1233.08125 GA / DF 09/19/2024	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.376 I 760 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.517 I 552 360
BCDL: 5.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.050 B - -
Des Ld: 55.00	EXP: NA Kzt: NA		HORZ(TL): 0.069 B - -
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.577
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.583
Spacing: 24.0 "	MWFRS Parallel Dist: NA	Rep Fac: Yes	Max Web CSI: 0.666
	C&C Dist a: NA	FT/RT:12(0)/10(0)	
	Loc. from endwall: NA	Plate Type(s):	VIEW Ver: 23.02.04.0123.14
	I: NA GCpi: NA	WAVE, HS	
	Wind Duration: NA		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
AD	1318	/-	/-	/-	/-	/-
Q	1337	/-	/-	/-	/-	/-

AD Brg Wid = 5.0 Min Req = 1.5 (Truss)
Q Brg Wid = - Min Req = -
Bearing AD is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-2083	I - J	0	-5419
C - D	0	-3711	J - K	0	-5407
D - E	0	-3711	K - L	0	-4619
E - F	0	-4426	L - M	0	-4619
F - G	0	-5208	M - N	0	-3506
G - H	0	-5208	N - O	0	-2035
H - I	0	-5417			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AD-AC	1166	0	W - V	5419	0
AC-AB	2976	0	V - U	5075	0
AB-AA	2976	0	U - T	4172	0
AA- Z	4379	0	T - S	4172	0
Z - Y	4933	0	S - R	2940	0
Y - X	4933	0	R - Q	1110	0
X - W	5427	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AD- B	0	-1716	J - V	0	-401
B -AC	1386	0	V - K	835	-49
AC- C	0	-1349	K - U	0	-689
C -AA	1082	0	U - M	676	0
AA- E	0	-945	M - S	0	-1006
E - Z	534	0	S - N	968	0
Z - F	0	-728	N - R	0	-1368
F - X	422	0	R - O	1398	0
X - H	0	-438	O - Q	0	-1650
H - W	492	-395			

Lumber

Top chord: 4x2 SP #2;
Bot chord: 4x2 SP #2; B3,B4 4x2 SP M-31;
Webs: 4x2 SP #3;

Plating Notes

All plates are 2.5X6 except as noted.

Hangers / Ties

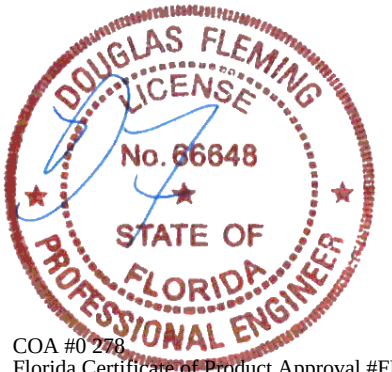
(J) Hanger Support Required, by others

Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is 1-8-0.



COA #0 278
Florida Certificate of Product Approval #FL1999
09/19/2024

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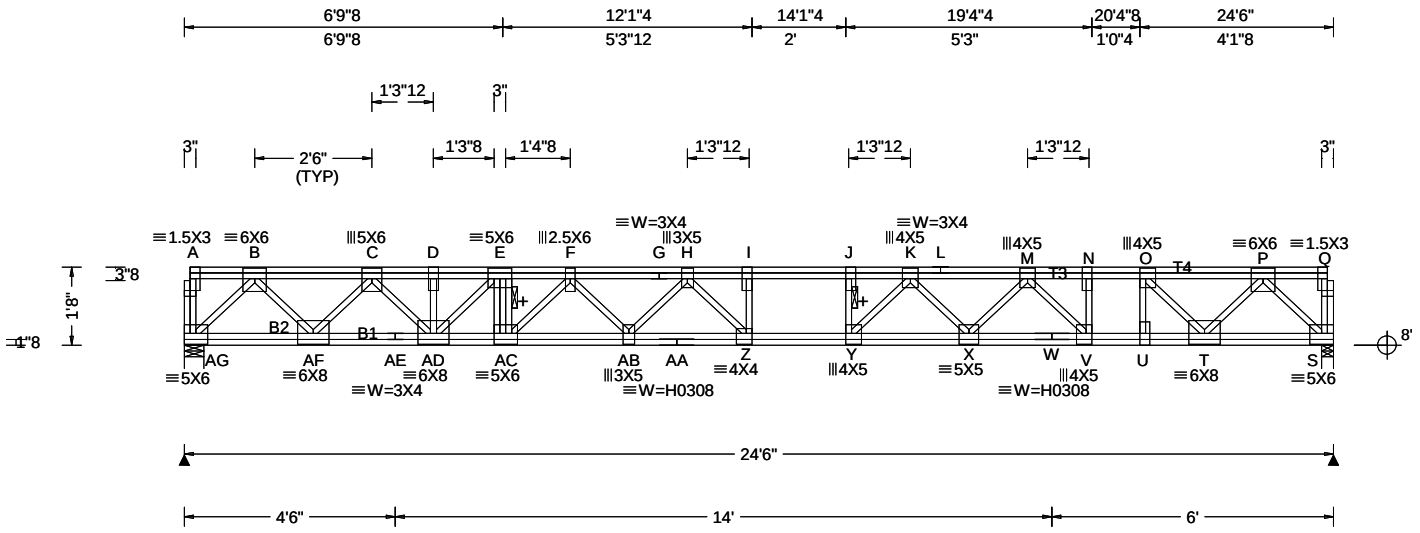
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 773364 / SY42 FROM: CDM	Ply: 1 Qty: 17	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** F10	Cust: R 215 JRef:1Y3e2150007 T4 / DrwNo: 263.24.1233.08203 GA / DF 09/19/2024	



Loading Criteria (psf)

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

Load Duration: 1.00
Spacing: 24.0 "

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

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

Building Code:
FBC 8th Ed. 2023 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.422	I	686	480
VERT(CL): 0.572	I	506	360
HORZ(LL): 0.055	B	-	-
HORZ(TL): 0.076	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.491
Max BC CSI: 0.677
Max Web CSI: 0.736

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
AG	1335	/-	/-	/-	/-	/-
S	1335	/-	/-	/-	/-	/-

AG Brg Wid = 5.0 Min Req = 1.5 (Truss)
S Brg Wid = 3.0 Min Req = 1.5 (Truss)
Bearings 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	0	-2115	I - J	0	-5574
C - D	0	-3774	J - K	0	-5561
D - E	0	-3774	K - L	0	-4862
E - F	0	-4508	L - M	0	-4862
F - G	0	-5320	M - N	0	-3410
G - H	0	-5320	N - O	0	-3385
H - I	0	-5571	O - P	0	-2152

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
AG-AF	1182	0	Z - Y	5574	0
AF-AE	3023	0	Y - X	5265	0
AE-AD	3023	0	X - W	4346	0
AD-AC	4460	0	W - V	4346	0
AC-AB	5031	0	V - U	3385	0
AB-AA	5560	0	U - T	3357	0
AA- Z	5560	0	T - S	1129	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
AG- B	0	-1740	J - Y	0	-423
B -AF	1409	0	Y - K	809	-95
AF- C	0	-1372	K - X	0	-646
C -AD	1105	0	X - M	818	0
AD- E	0	-970	M - V	0	-1470
E -AC	551	0	V - N	593	0
AC- F	0	-750	U - O	666	0
F -AB	442	0	O - T	0	-1821
AB- H	0	-458	T - P	1546	0
H - Z	521	-382	P - S	0	-1662

Lumber

Top chord: 4x2 SP #2; T3,T4 4x2 SP M-31;
Bot chord: 4x2 SP M-31; B1,B2 4x2 SP #2;
Webs: 4x2 SP #3;

Plating Notes

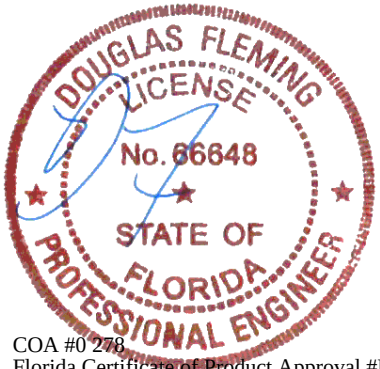
All plates are 2.5X6 except as noted.

Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is 1-8-0.



COA #0 278
Florida Certificate of Product Approval #FL1999
09/19/2024

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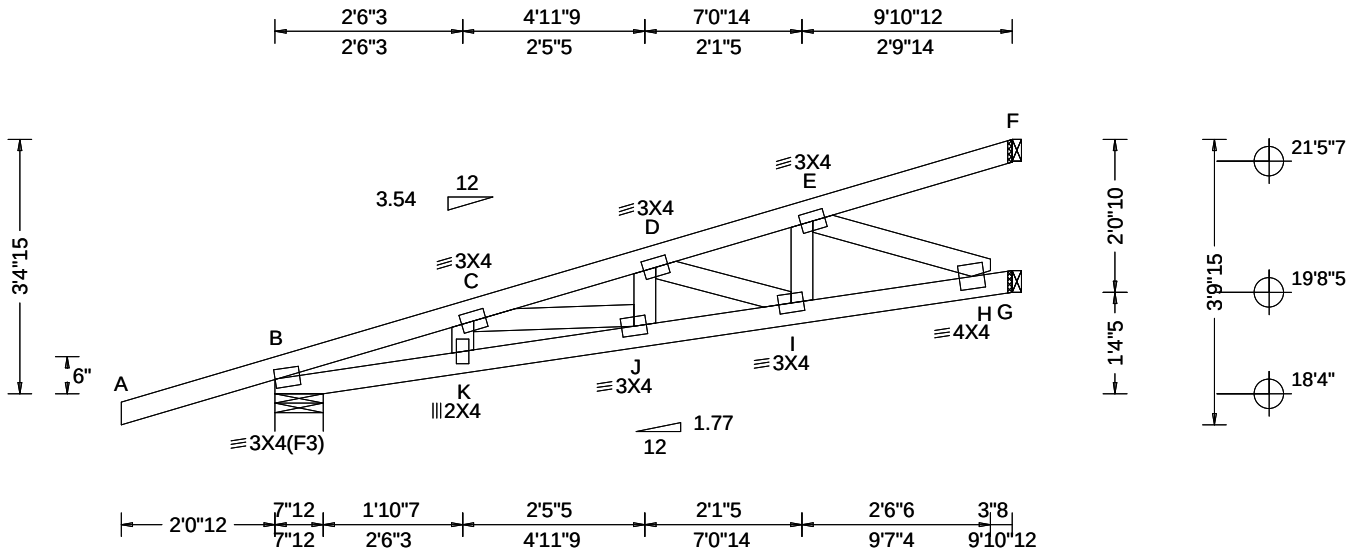
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 783052 HIP_ FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** HJ01	Cust: R 215 JRef:1Y3e2150007 T27 DrwNo: 263.24.1635.03993 NW / DF 09/19/2024	



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: 19.99 ft
TCDL: 4.2 psf
BCDL: 3.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft ft
Loc. from endwall: NA
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): 0.042	J	999	240
VERT(CL): 0.086	J	999	180
HORZ(LL): 0.010	I	-	-
HORZ(TL): 0.021	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.315
Max BC CSI: 0.461
Max Web CSI: 0.341

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	358	/-	/-	/-	/122	/-
G	475	/-	/-	/-	/126	/-
F	161	/-	/-	/-	/84	/-

Wind reactions based on MWFRS
B Brg Wid = 7.8 Min Req = 1.5 (Truss)
G Brg Wid = 1.5 Min Req = -
F 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.	Chords	Tens.	Comp.
B - C	294	- 895	D - E	312	- 940
C - D	399	- 1207			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - K	828	- 270	J - I	1172	- 389
K - J	864	- 285	I - H	850	- 288

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
E - H	304	- 890

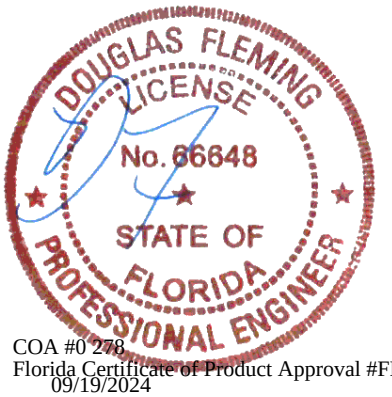
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Loading
Hipjack supports 6-11-15 setback jacks with no webs.

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

Additional Notes
Shim all supports to solid bearing.
The overall height of this truss excluding overhang is 3-4-15.

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



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09/19/2024

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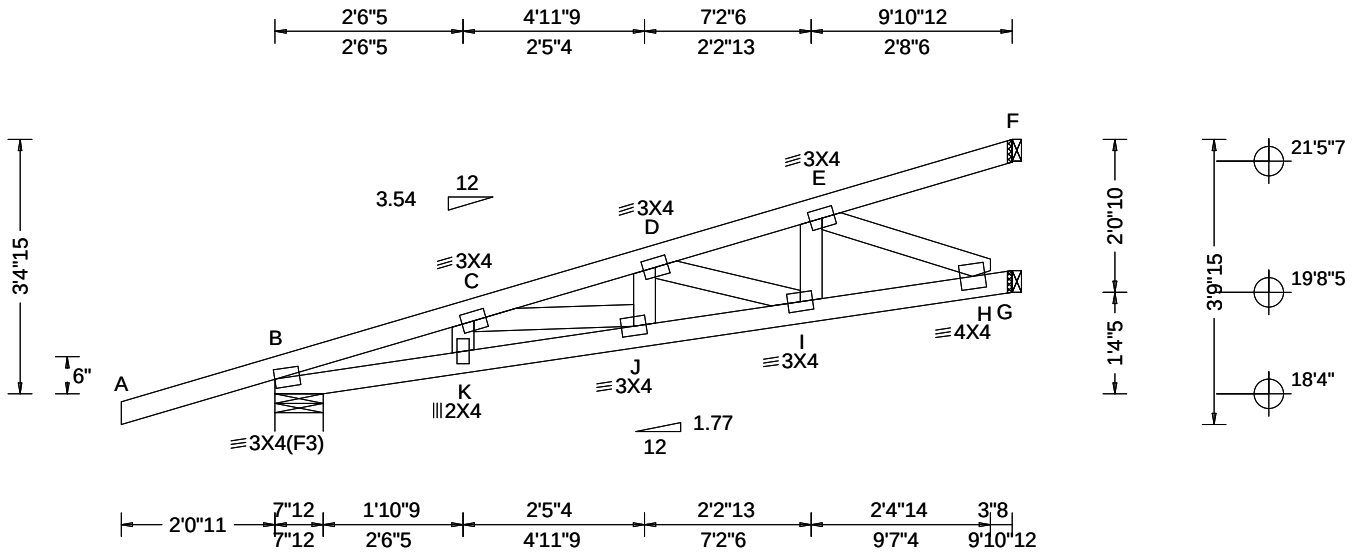
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 783054 HIP_ FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** HJ02		Cust: R 215 JRef:1Y3e2150007 T34 DrwNo: 263.24.1635.10237 NW / DF 09/19/2024	



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: 19.99 ft
TCDL: 4.2 psf
BCDL: 3.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft ft
Loc. from endwall: NA
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): 0.042	J	999	240
VERT(CL): 0.086	J	999	180
HORZ(LL): 0.010	I	-	-
HORZ(TL): 0.021	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.316
Max BC CSI: 0.461
Max Web CSI: 0.334

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	358	/-	/-	/-	/123	/-
G	482	/-	/-	/-	/130	/-
F	154	/-	/-	/-	/80	/-

Wind reactions based on MWFRS
B Brg Wid = 7.8 Min Req = 1.5 (Truss)
G Brg Wid = 1.5 Min Req = -
F 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.	Chords	Tens.	Comp.
B - C	294	- 896	D - E	303	- 911
C - D	399	- 1208			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - K	829	- 271	J - I	1174	- 390
K - J	864	- 285	I - H	818	- 277

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
E - H	296	- 868

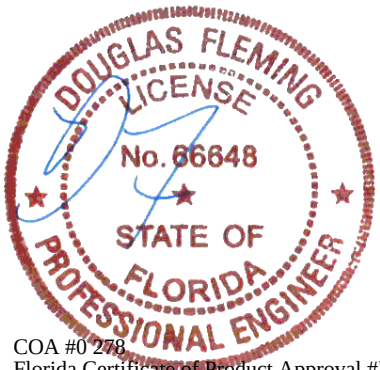
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Loading
Hipjack supports 6-11-15 setback jacks with no webs.

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

Additional Notes
Shim all supports to solid bearing.
The overall height of this truss excluding overhang is 3-4-15.

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



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09/19/2024

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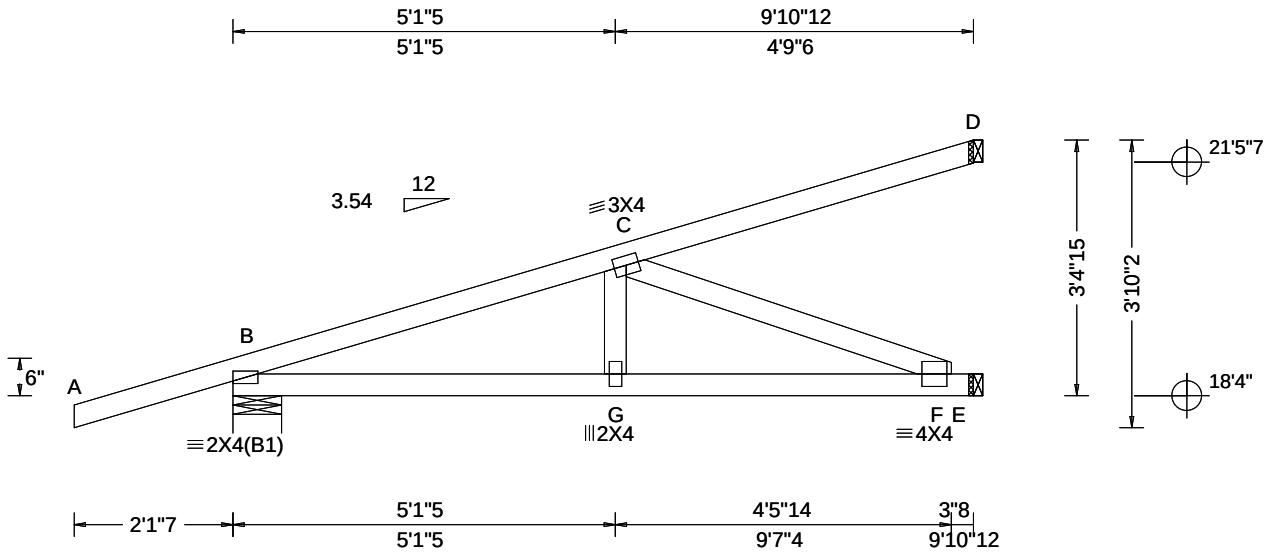
North Building, 4th Floor
Glenview, IL 60025

SEQN: 783094 HIP_ FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** HJ03	Cust: R 215 JRef:1Y3e2150007 T32 DrwNo: 263.24.1635.17487 NW / DF 09/19/2024	



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: 19.98 ft
TCDL: 4.2 psf
BCDL: 3.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft ft
Loc. from endwall: NA
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): 0.031	G	999	240
VERT(CL): 0.062	G	999	180
HORZ(LL): 0.007	F	-	-
HORZ(TL): 0.014	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.654
Max BC CSI: 0.580
Max Web CSI: 0.393

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	364	/-	/-	/-	/125	/-
E	374	/-	/-	/-	/74	/-
D	256	/-	/-	/-	/134	/-

Wind reactions based on MWFRS
B Brg Wid = 7.8 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	273	-827

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - G	776	-255	G - F	768	-258

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
C - F	277	-826

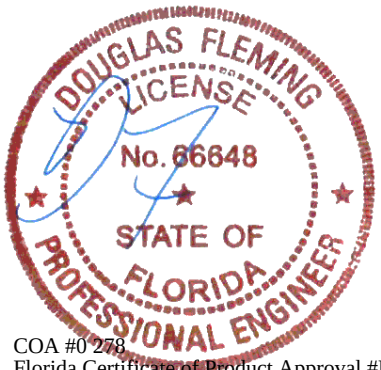
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Loading
Hipjack supports 6-11-15 setback jacks with no webs.

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 3-4-15.

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
Florida Certificate of Product Approval #FL1999
09/19/2024

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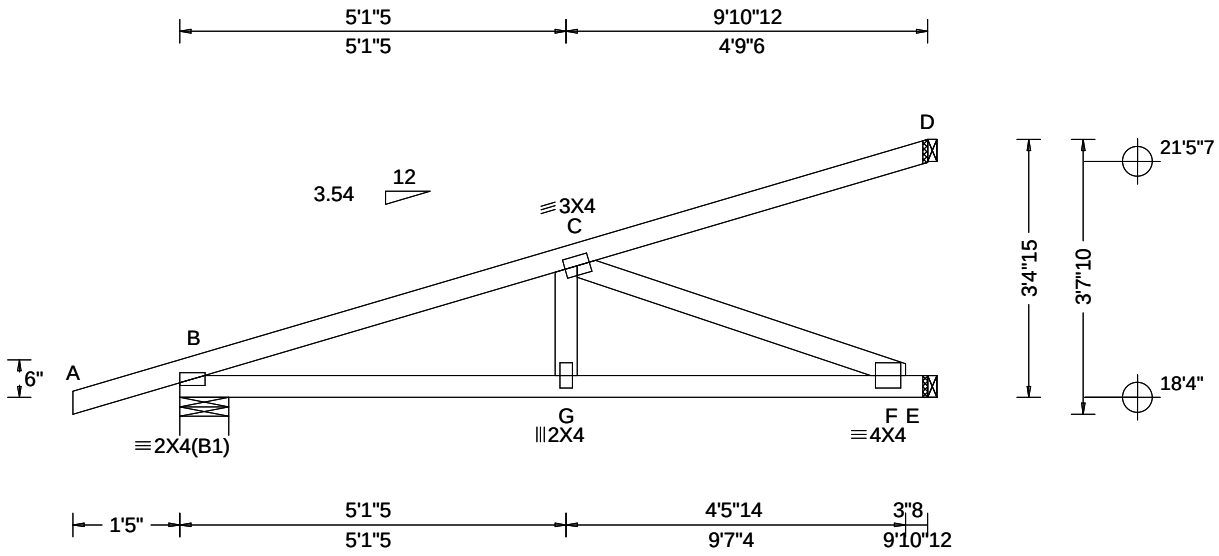
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 783092 HIP_ FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** HJ04		Cust: R 215 JRef:1Y3e2150007 T22 DrwNo: 263.24.1635.23643 NW / DF 09/19/2024	



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: 20.08 ft
TCDL: 4.2 psf
BCDL: 3.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft ft
Loc. from endwall: NA
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): 0.031	G	999	240
VERT(CL): 0.062	G	999	180
HORZ(LL): 0.007	F	-	-
HORZ(TL): 0.014	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.651
Max BC CSI: 0.582
Max Web CSI: 0.396

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	350	/-	/-	/-	/119	/-
E	376	/-	/-	/-	/75	/-
D	256	/-	/-	/-	/135	/-

Wind reactions based on MWFRS
B Brg Wid = 7.8 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	278	-833

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - G	783	-259	G - F	775	-262

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
C - F	282	-834

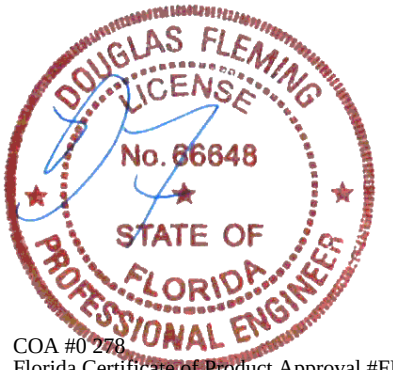
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Loading
Hipjack supports 6-11-15 setback jacks with no webs.

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 3-4-15.

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.



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Florida Certificate of Product Approval #FL1999
09/19/2024

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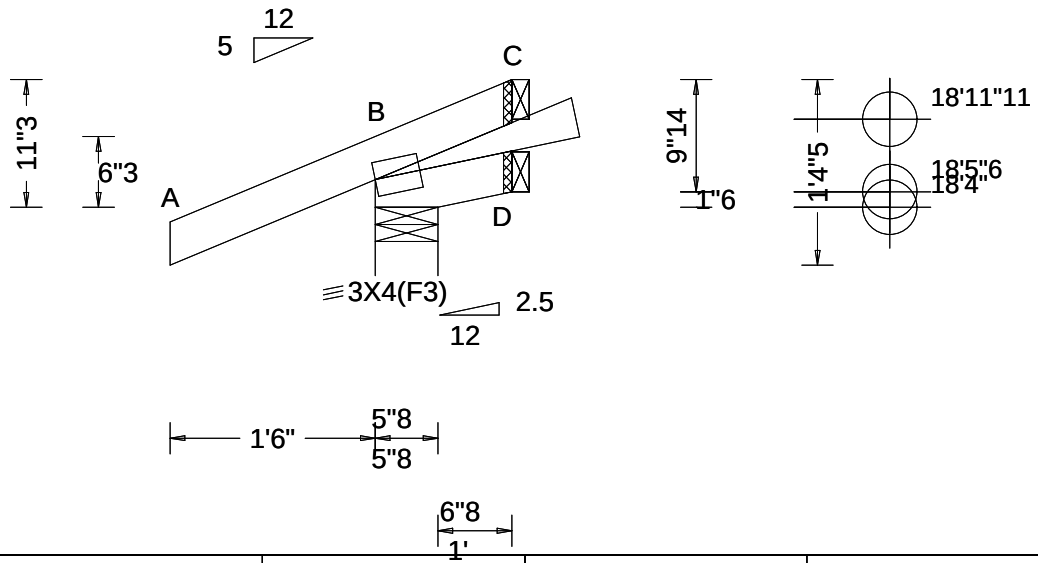
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 783036 JACK FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** J01	Cust: R 215 JRef:1Y3e2150007 T54 DrwNo: 263.24.1635.40473 NW / DF 09/19/2024



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: 18.75 ft
TCDL: 4.2 psf
BCDL: 3.0 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): 0.000	B	999	240
VERT(CL): 0.000	B	999	180
HORZ(LL): -0.001	C	-	-
HORZ(TL): 0.001	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.244
Max BC CSI: 0.029
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	214	/-	/-	/151	/86	/38
D	15	/-2	/-	/8	/4	/-
C	-	/-32	/-	/29	/34	/-

Wind reactions based on MWFRS
B Brg Wid = 5.5 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;
Lt Wedge: 2x4 SP #3;

Wind

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

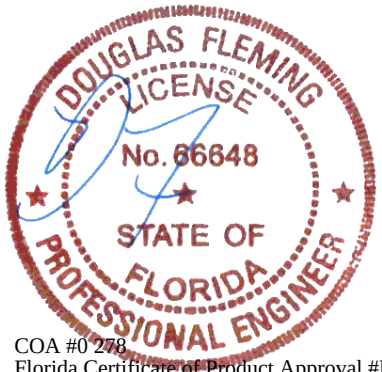
Wind loading based on both gable and hip roof types.

Additional Notes

Shim all supports to solid bearing.

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

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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09/19/2024

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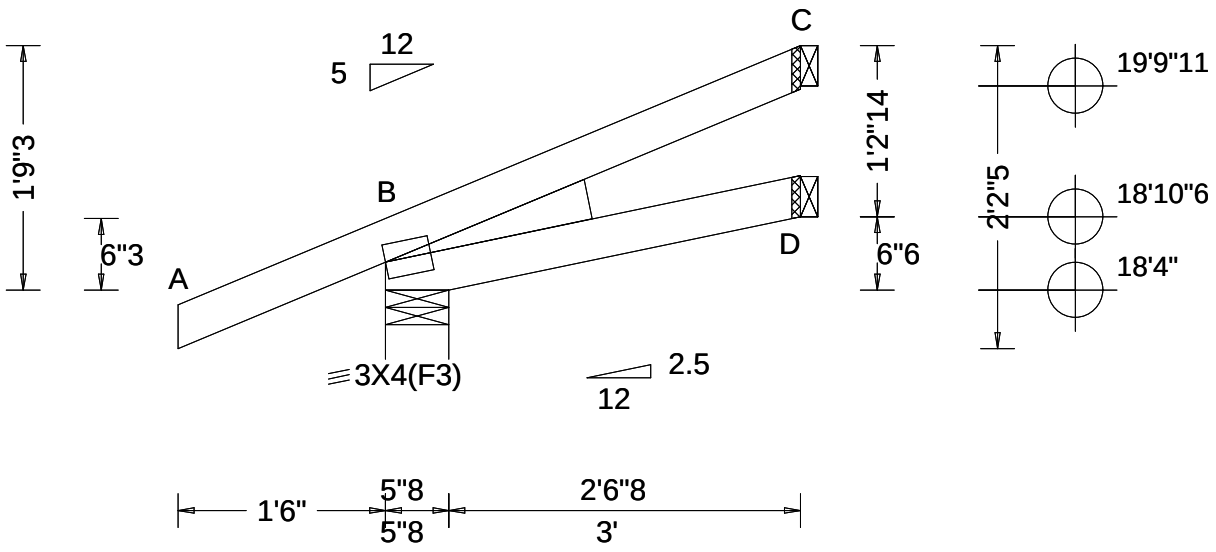
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 783040 JACK FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** J02		Cust: R 215 JRef:1Y3e2150007 T24 DrwNo: 263.24.1635.44497 NW / DF 09/19/2024	



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: 19.27 ft
TCDL: 4.2 psf
BCDL: 3.0 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): 0.000	B	999	240
VERT(CL): 0.000	B	999	180
HORZ(LL): -0.001	C	-	-
HORZ(TL): 0.001	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.228
Max BC CSI: 0.092
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	200	/-	/-	/125	/57	/66
D	58	/-	/-	/30	/-	/-
C	81	/-	/-	/41	/55	/-

Wind reactions based on MWFRS
B Brg Wid = 5.5 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;
Lt Wedge: 2x4 SP #3;

Wind

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

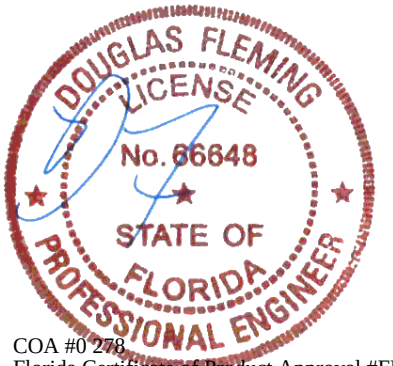
Wind loading based on both gable and hip roof types.

Additional Notes

Shim all supports to solid bearing.

The overall height of this truss excluding overhang is 1-9-3.

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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09/19/2024

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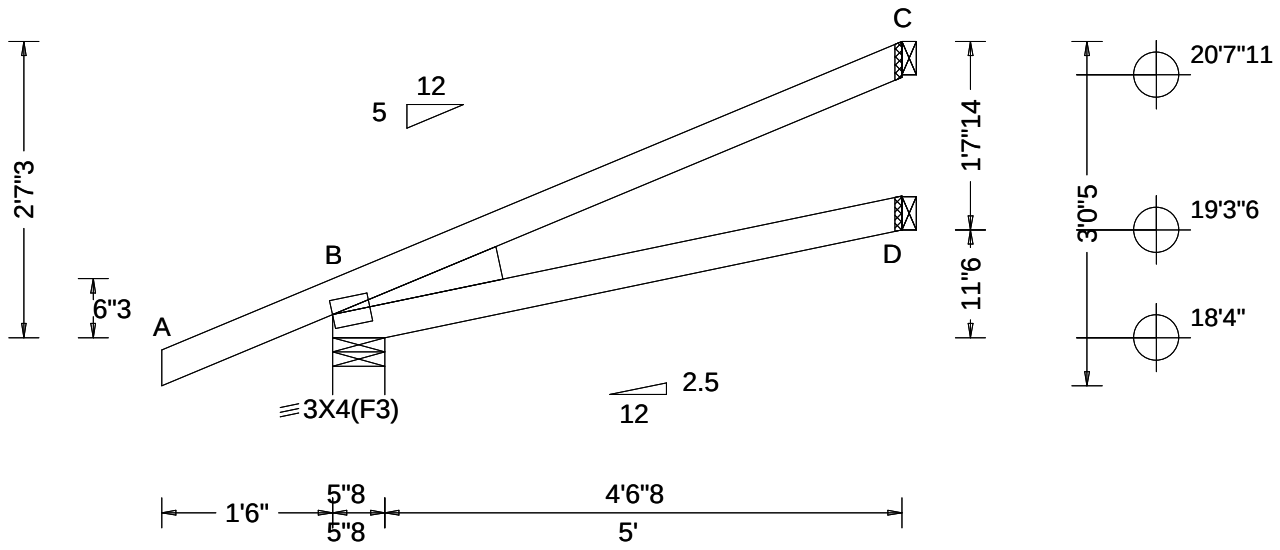
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 783044 JACK FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** J03		Cust: R 215 JRef:1Y3e2150007 T23 DrwNo: 263.24.1635.46973 NW / DF 09/19/2024	



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: 19.68 ft
TCDL: 4.2 psf
BCDL: 3.0 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): 0.001	B	999	240
VERT(CL): 0.002	B	999	180
HORZ(LL): -0.005	C	-	-
HORZ(TL): 0.009	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.426
Max BC CSI: 0.280
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	278	/-	/-	/171	/76	/102
D	97	/-	/-	/52	/-	/-
C	142	/-	/-	/74	/92	/-

Wind reactions based on MWFRS
B Brg Wid = 5.5 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;
Lt Wedge: 2x4 SP #3;

Wind

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

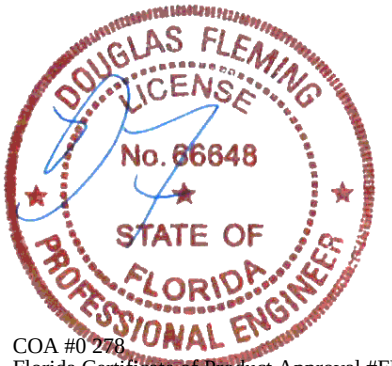
Wind loading based on both gable and hip roof types.

Additional Notes

Shim all supports to solid bearing.

The overall height of this truss excluding overhang is 2-7-3.

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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09/19/2024

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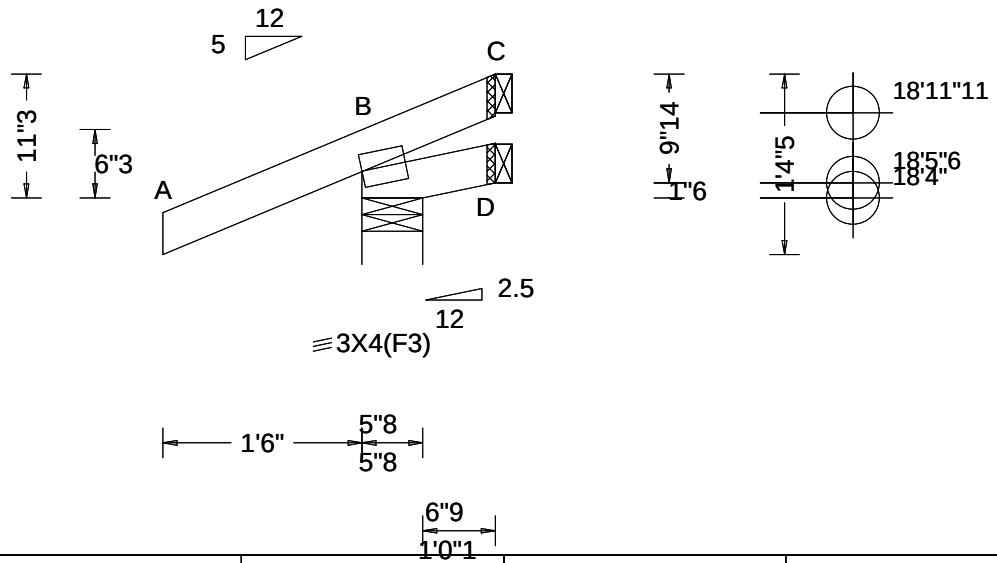
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 783038 JACK FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** J04		Cust: R 215 JRef:1Y3e2150007 T21 DrwNo: 263.24.1635.50480 NW / DF 09/19/2024	



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: 18.85 ft
TCDL: 4.2 psf
BCDL: 3.0 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): 0.000	B	999	240
VERT(CL): 0.000	B	999	180
HORZ(LL): -0.000	C	-	-
HORZ(TL): 0.001	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.104
Max BC CSI: 0.014
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	140	/-	/-	/93	/49	/31
D	18	/-	/-	/7	/0	/-
C	3	/-	/-	/12	/13	/-

Wind reactions based on MWFRS
B Brg Wid = 5.5 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.

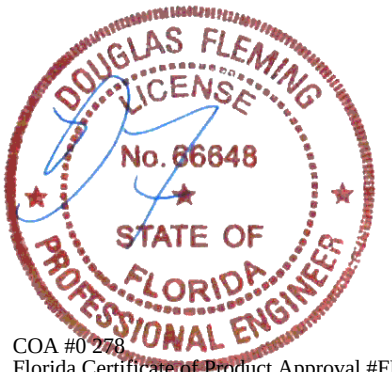
Wind loading based on both gable and hip roof types.

Additional Notes

Shim all supports to solid bearing.

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

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
09/19/2024

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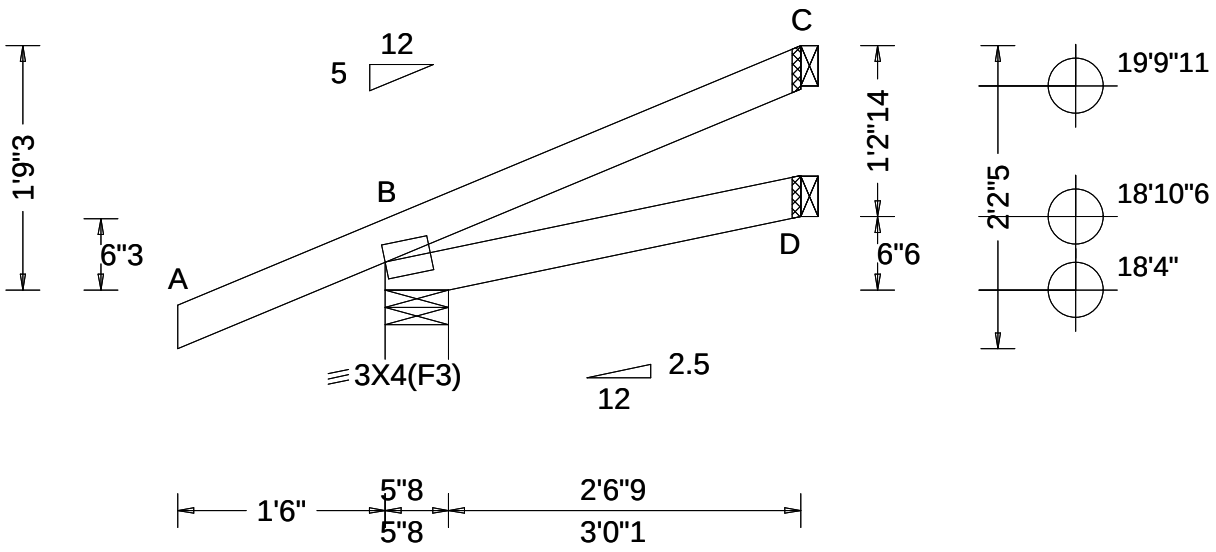
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 783042 JACK FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** J05		Cust: R 215 JRef:1Y3e2150007 T49 DrwNo: 263.24.1635.54193 NW / DF 09/19/2024	



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 B 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.000 B 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 C - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 C - -
NCBCLL: 10.00	Mean Height: 19.27 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 4.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.186
Load Duration: 1.25	BCDL: 3.0 psf	TPI Std: 2014	Max BC CSI: 0.092
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: Any	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	200	/-	/-	/125	/57	/66
D	58	/-	/-	/30	/-	/-
C	81	/-	/-	/41	/55	/-

Wind reactions based on MWFRS
B Brg Wid = 5.5 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.

Wind loading based on both gable and hip roof types.

Additional Notes

Shim all supports to solid bearing.

The overall height of this truss excluding overhang is 1-9-3.

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
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09/19/2024

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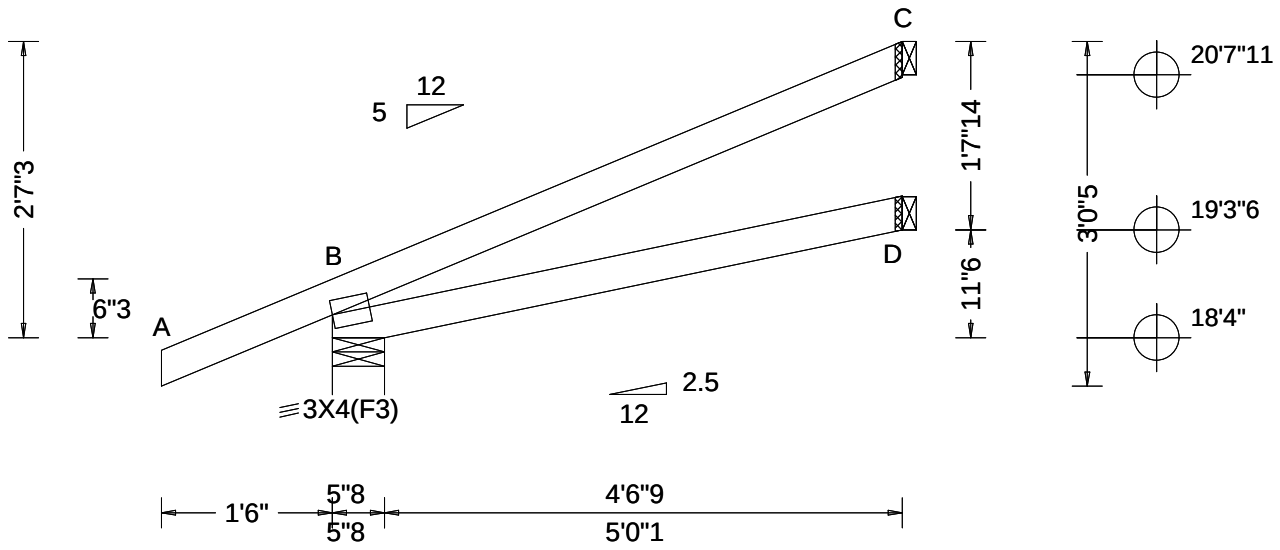
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 783046 JACK FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** J06		Cust: R 215 JRef:1Y3e2150007 T26 DrwNo: 263.24.1635.57990 NW / DF 09/19/2024	



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: 19.68 ft TCDL: 4.2 psf BCDL: 3.0 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): 0.001 B 999 240 VERT(CL): 0.002 B 999 180 HORZ(LL): -0.005 C - - HORZ(TL): 0.009 B - - Creep Factor: 2.0 Max TC CSI: 0.426 Max BC CSI: 0.280 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	278	/-	/-	/171	/76	/102
D	97	/-	/-	/52	/-	/-
C	142	/-	/-	/74	/92	/-

Wind reactions based on MWFRS
B Brg Wid = 5.5 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.

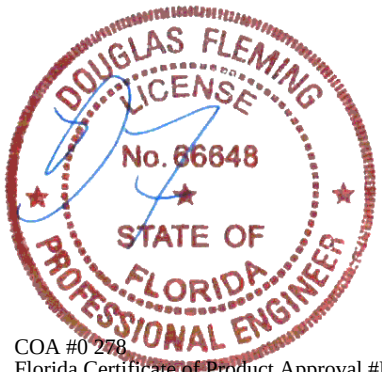
Wind loading based on both gable and hip roof types.

Additional Notes

Shim all supports to solid bearing.

The overall height of this truss excluding overhang is 2-7-3.

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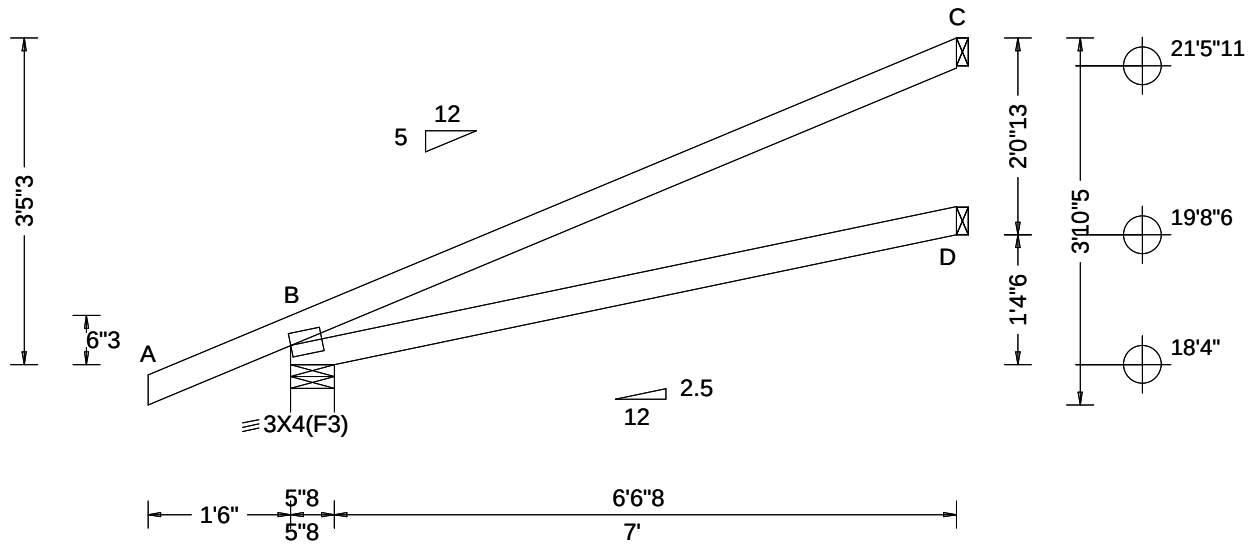
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 783048 EJAC FROM: CDM	Ply: 1 Qty: 14	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** J07		Cust: R 215 JRef:1Y3e2150007 T47 DrwNo: 263.24.1636.01487 NW / DF 09/19/2024	



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: 20.10 ft TCDL: 4.2 psf BCDL: 3.0 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): 0.002 B 999 240 VERT(CL): 0.005 B 999 180 HORZ(LL): 0.013 B - - HORZ(TL): 0.026 B - - Creep Factor: 2.0 Max TC CSI: 0.832 Max BC CSI: 0.579 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	358	/-	/-	/217	/95	/138
D	136	/-	/-	/74	/-	/-
C	201	/-	/-	/105	/129	/-

Wind reactions based on MWFRS
B Brg Wid = 5.5 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.

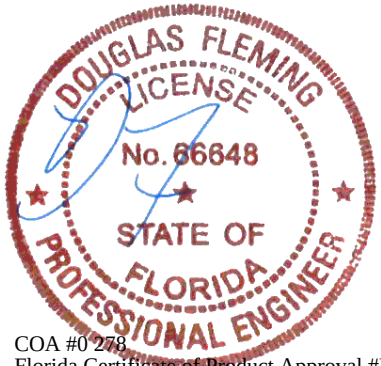
Wind loading based on both gable and hip roof types.

Additional Notes

Shim all supports to solid bearing.

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

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
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09/19/2024

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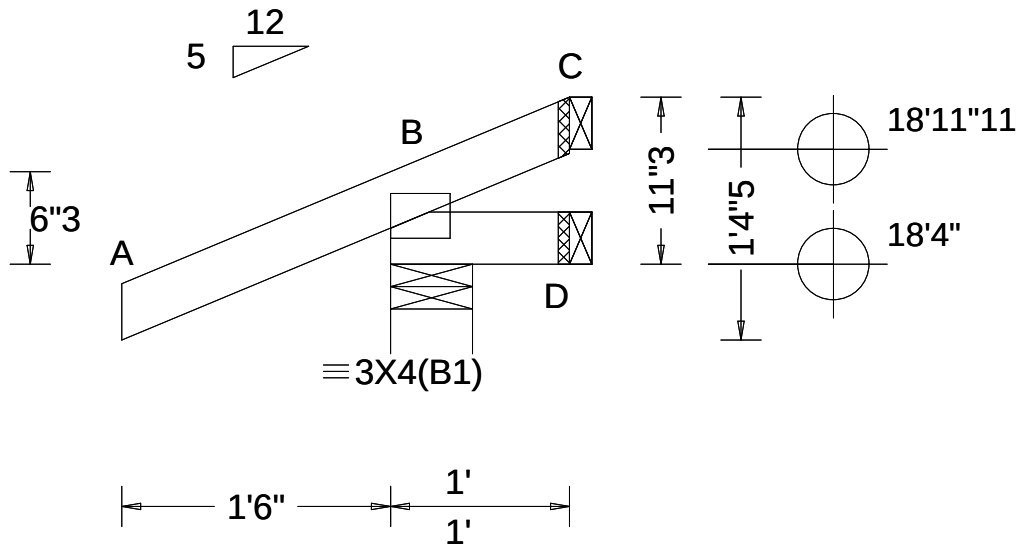
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 783076 JACK FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** J08		Cust: R 215 JRef:1Y3e2150007 T16 DrwNo: 263.24.1636.04583 NW / DF 09/19/2024	



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: 18.85 ft TCDL: 4.2 psf BCDL: 3.0 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 C - - HORZ(TL): 0.000 C - - Creep Factor: 2.0 Max TC CSI: 0.104 Max BC CSI: 0.012 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	157	/-	/-	/110	/51	/30
D	14	/-	/-	/7	/2	/-
C	-	/-11	/-	/17	/20	/-

Wind reactions based on MWFRS
B Brg Wid = 5.5 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

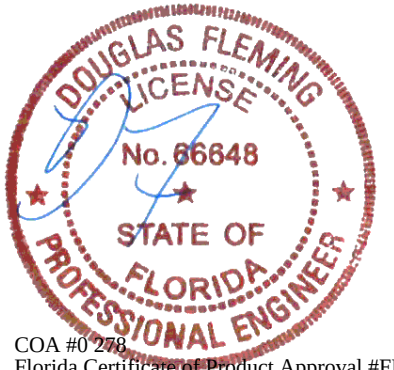
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

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

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
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09/19/2024

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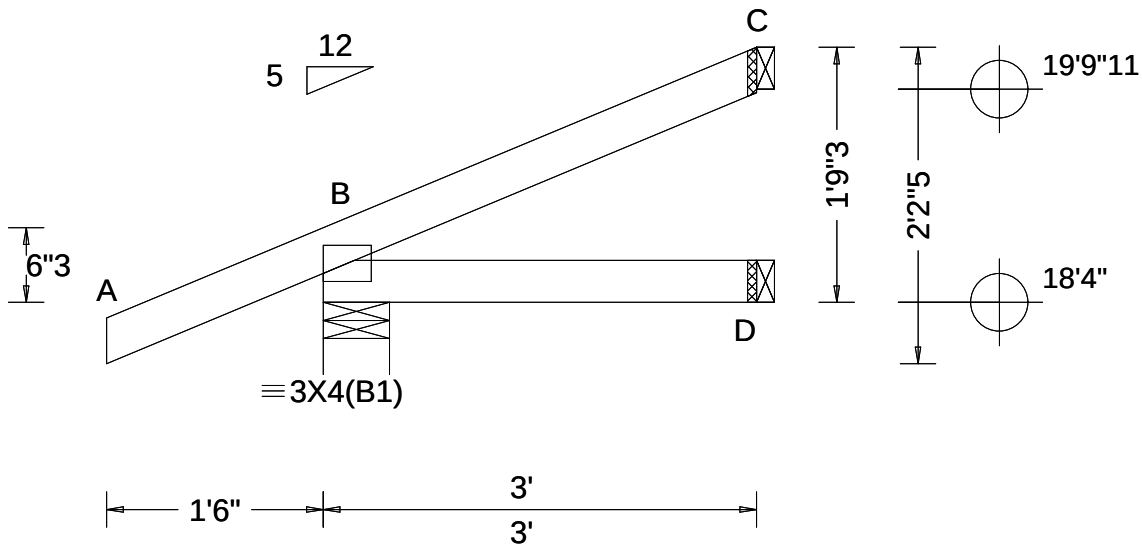
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 783080 JACK FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** J09	Cust: R 215 JRef:1Y3e2150007 T43 DrwNo: 263.24.1636.07247 NW / DF 09/19/2024



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: 19.27 ft
TCDL: 4.2 psf
BCDL: 3.0 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 B	-	-
HORZ(TL):	0.001 B	-	-

Creep Factor: 2.0
Max TC CSI: 0.194
Max BC CSI: 0.081
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	207	/-	/-	/136	/55	/65
D	55	/-	/-	/28	/-	/-
C	75	/-	/-	/38	/50	/-

Wind reactions based on MWFRS
B Brg Wid = 5.5 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

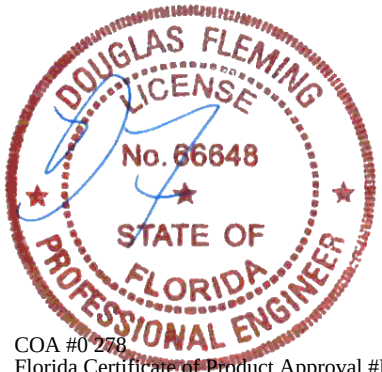
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 1-9-3.

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
09/19/2024

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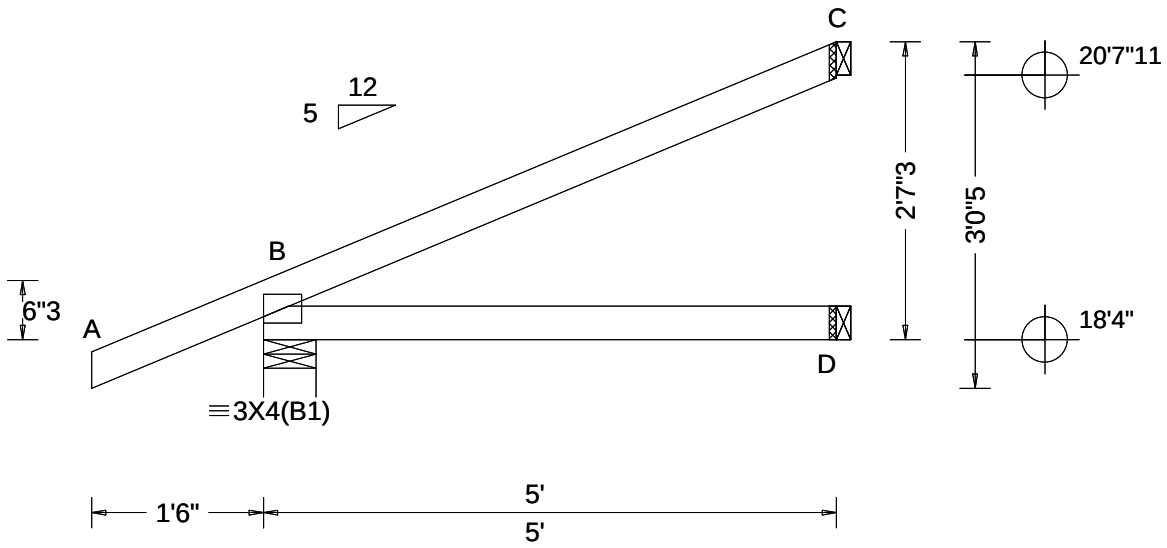
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 783090 JACK FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** J10	Cust: R 215 JRef:1Y3e2150007 T12 DrwNo: 263.24.1636.10080 NW / DF 09/19/2024



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: 19.68 ft
TCDL: 4.2 psf
BCDL: 3.0 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):	NA		
VERT(CL):	NA		
HORZ(LL):	0.004 B	-	-
HORZ(TL):	0.008 B	-	-

Creep Factor: 2.0
Max TC CSI: 0.390
Max BC CSI: 0.258
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	283	/-	/-	/180	/74	/100
D	94	/-	/-	/50	/-	/-
C	136	/-	/-	/71	/88	/-

Wind reactions based on MWFRS
B Brg Wid = 5.5 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

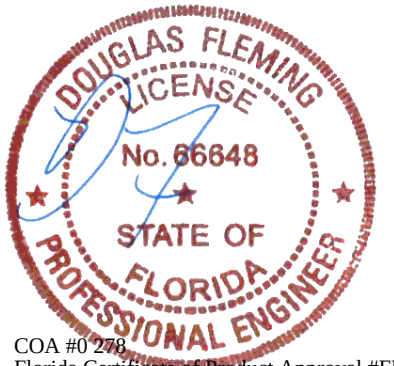
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 2-7-3.

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
09/19/2024

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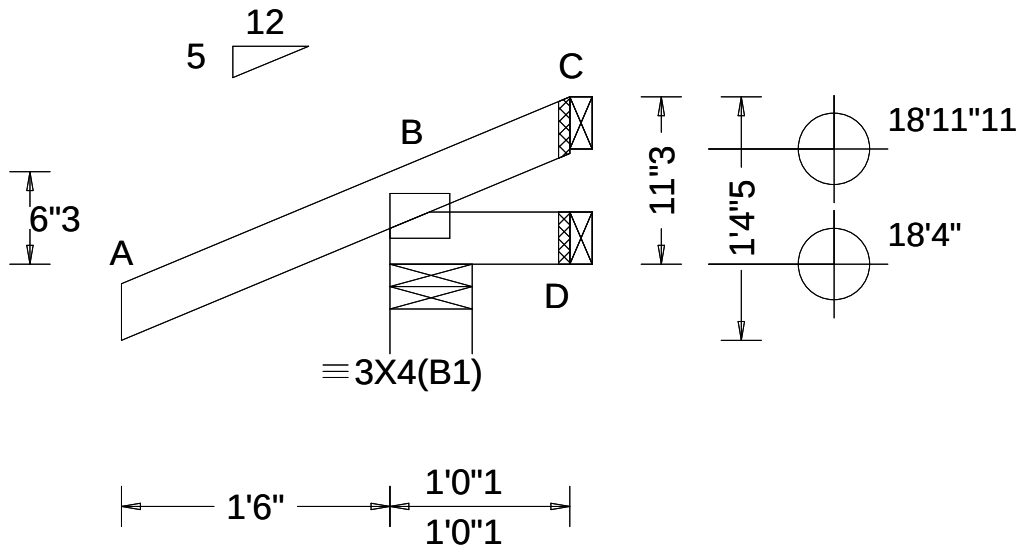
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 783078 JACK FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** J11		Cust: R 215 JRef:1Y3e2150007 T20 DrwNo: 263.24.1636.12977 NW / DF 09/19/2024	



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: 18.85 ft TCDL: 4.2 psf BCDL: 3.0 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 C - - HORZ(TL): 0.000 C - - Creep Factor: 2.0 Max TC CSI: 0.104 Max BC CSI: 0.012 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	157	/-	/-	/111	/51	/30
D	14	/-	/-	/7	/2	/-
C	-	/-11	/-	/17	/20	/-

Wind reactions based on MWFRS
B Brg Wid = 5.5 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

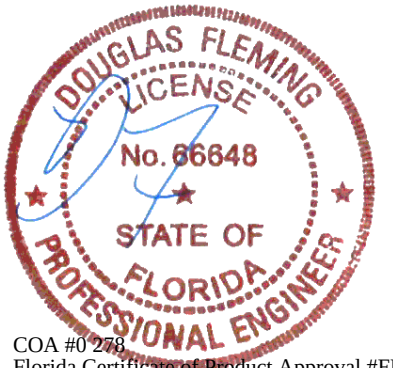
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

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

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
09/19/2024

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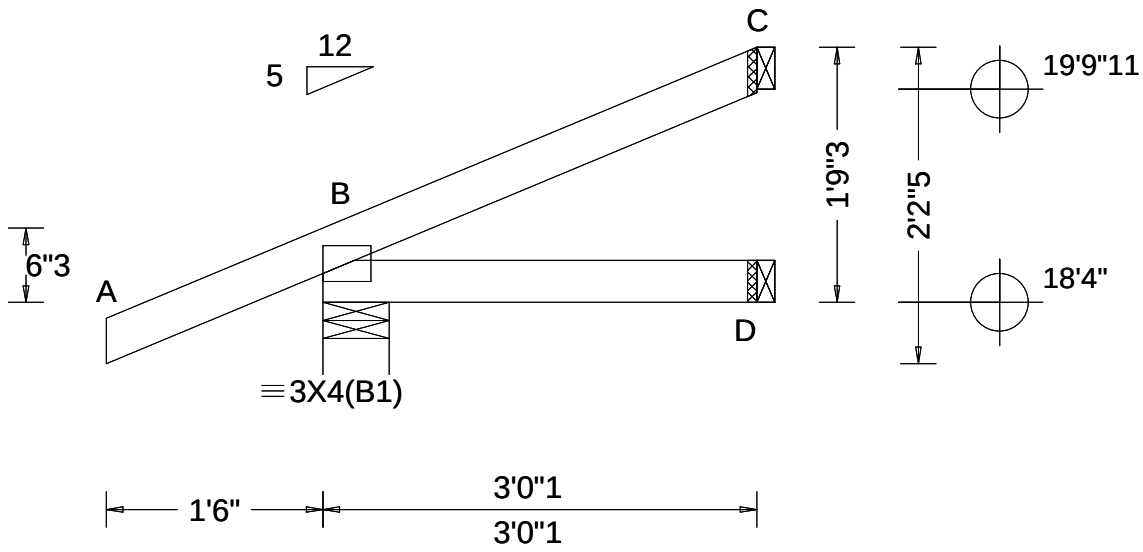
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 783082 JACK FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** J12		Cust: R 215 JRef:1Y3e2150007 T53 DrwNo: 263.24.1636.15537 NW / DF 09/19/2024	



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: 19.27 ft TCDL: 4.2 psf BCDL: 3.0 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): -0.001 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.156 Max BC CSI: 0.081 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	207	/-	/-	/136	/55	/65
D	55	/-	/-	/28	/-	/-
C	75	/-	/-	/38	/50	/-

Wind reactions based on MWFRS
B Brg Wid = 5.5 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.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 1-9-3.

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
09/19/2024

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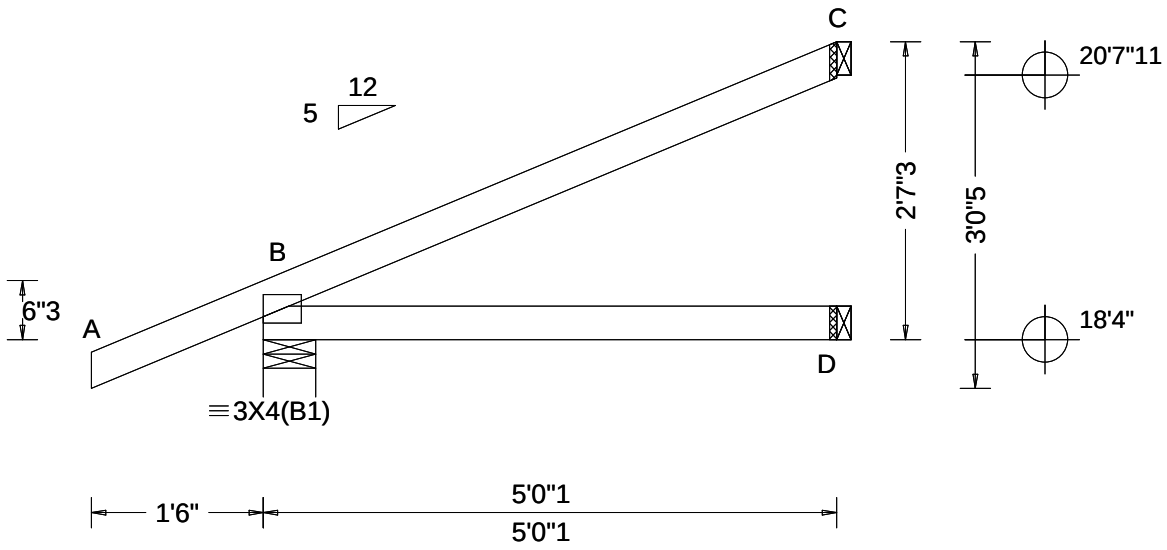
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 783084 JACK FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** J13	Cust: R 215 JRef:1Y3e2150007 T17 DrwNo: 263.24.1636.19007 NW / DF 09/19/2024



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: 19.68 ft
TCDL: 4.2 psf
BCDL: 3.0 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):	NA		
VERT(CL):	NA		
HORZ(LL):	0.004 B	-	-
HORZ(TL):	0.008 B	-	-

Creep Factor: 2.0
Max TC CSI: 0.390
Max BC CSI: 0.259
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	283	/-	/-	/180	/74	/100
D	94	/-	/-	/50	/-	/-
C	136	/-	/-	/71	/88	/-

Wind reactions based on MWFRS
B Brg Wid = 5.5 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

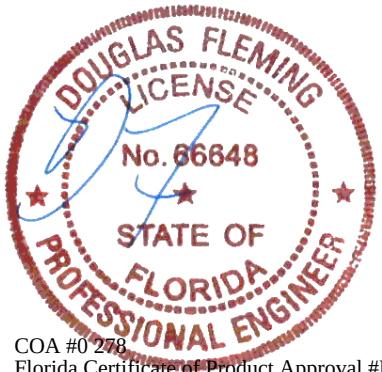
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 2-7-3.

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
09/19/2024

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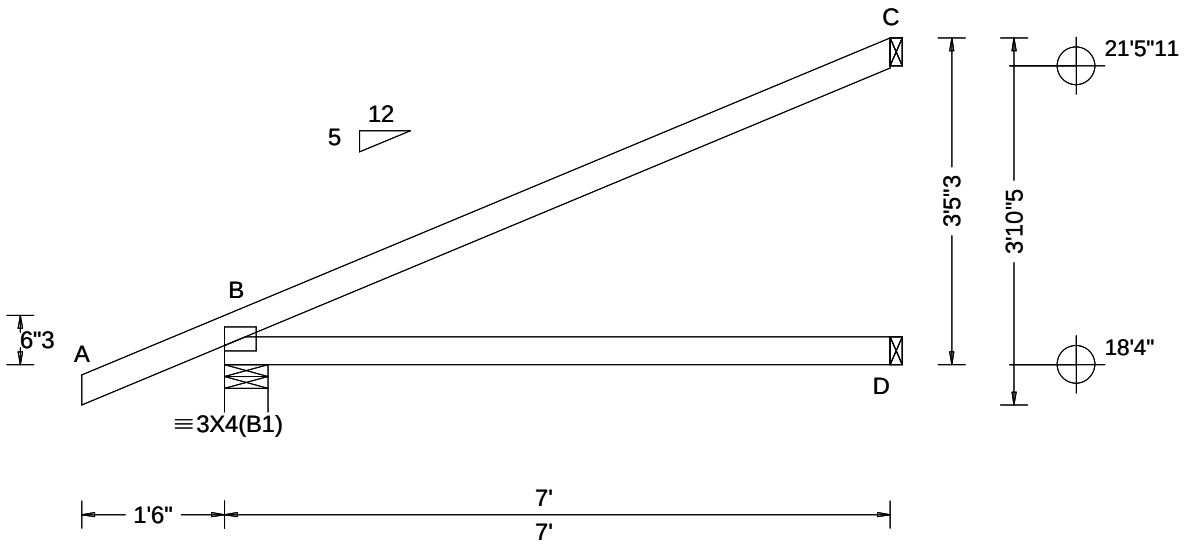
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 783086 EJAC FROM: CDM	Ply: 1 Qty: 14	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** J14	Cust: R 215 JRef:1Y3e2150007 T46 DrwNo: 263.24.1636.22483 NW / DF 09/19/2024



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: 20.10 ft
TCDL: 4.2 psf
BCDL: 3.0 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):	NA		
VERT(CL):	NA		
HORZ(LL):	0.012 B	-	-
HORZ(TL):	0.024 B	-	-

Creep Factor: 2.0
Max TC CSI: 0.783
Max BC CSI: 0.539
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	362	/-	/-	/227	/94	/137
D	132	/-	/-	/72	/-	/-
C	195	/-	/-	/102	/125	/-

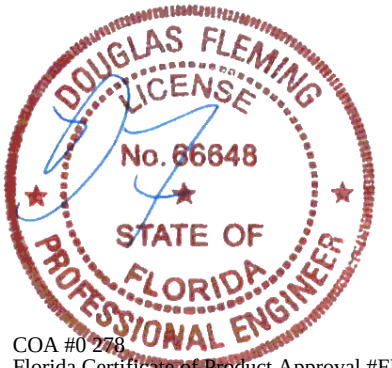
Wind reactions based on MWFRS
B Brg Wid = 5.5 Min Req = 1.5 (Truss)
D Brg Wid = 1.5 Min Req = -
C Brg Wid = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

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

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

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

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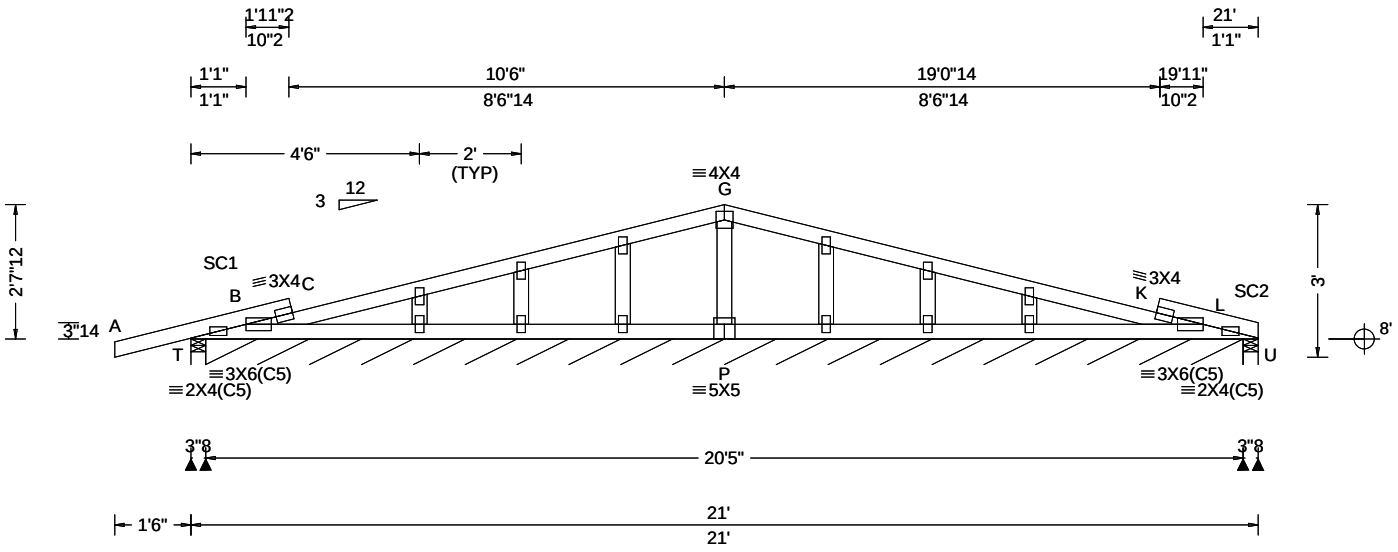
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 783029 GABL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** P01		Cust: R 215 JRef:1Y3e2150007 T33 DrwNo: 263.24.1636.26087 NW / DF 09/19/2024	



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): 0.012 K 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.023 K 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.003 K - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.005 K - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 4.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.200
Load Duration: 1.25	BCDL: 3.0 psf	TPI Std: 2014	Max BC CSI: 0.127
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.138
	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
T	277	/-	/-	/155	/106	/38
T*	67	/-	/-	/35	/17	/-
U	149	/-	/-	/75	/35	/-

Wind reactions based on MWFRS
T Brg Wid = 3.5 Min Req = 1.5 (Truss)
T Brg Wid = 244 Min Req = -
U Brg Wid = 3.5 Min Req = 1.5 (Truss)
Bearings T, T, & U 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.

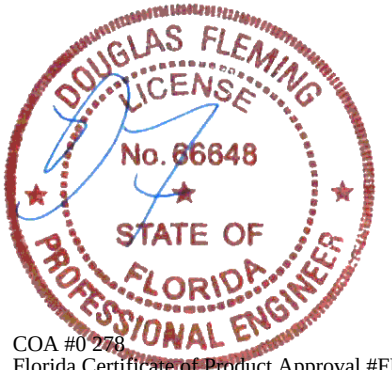
Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/999.

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 2-7-12.



COA #0 278
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09/19/2024

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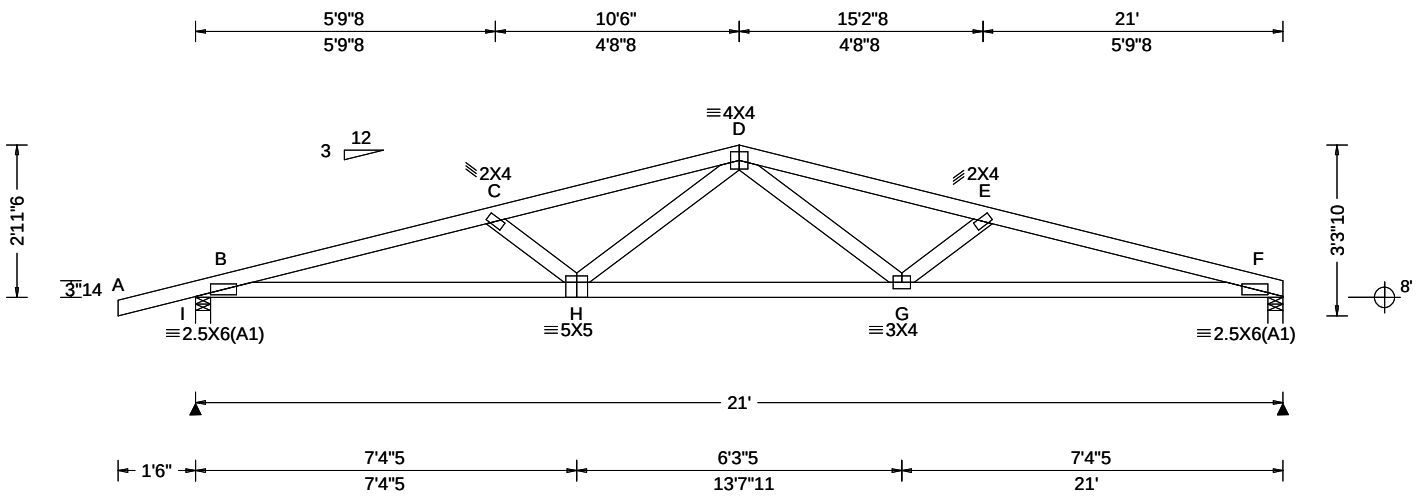
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 783034 COMN FROM: CDM	Ply: 1 Qty: 4	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** P02	Cust: R 215 JRef:1Y3e2150007 T3 DrwNo: 263.24.1636.28503 NW / DF 09/19/2024	



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: 4.2 psf
BCDL: 3.0 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): 0.147	D	999	240
VERT(CL): 0.291	D	852	180
HORZ(LL): 0.035	F	-	-
HORZ(TL): 0.070	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.410
Max BC CSI: 0.720
Max Web CSI: 0.228

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
I	948	/-	/-	/472	/249	/38
F	842	/-	/-	/436	/216	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	1262	- 2422	D - E	1128	- 2189
C - D	1117	- 2162	E - F	1279	- 2458

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - H	2319	- 1195	G - F	2356	- 1196
H - G	1632	- 813			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
H - D	565	- 228	D - G	599	- 250

Lumber

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

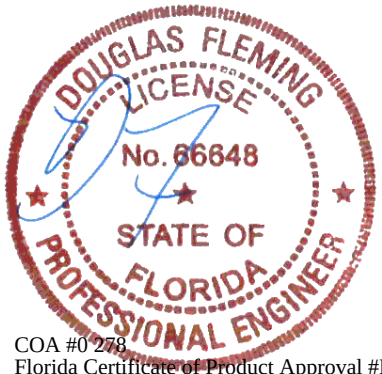
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 2-11-6.



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09/19/2024

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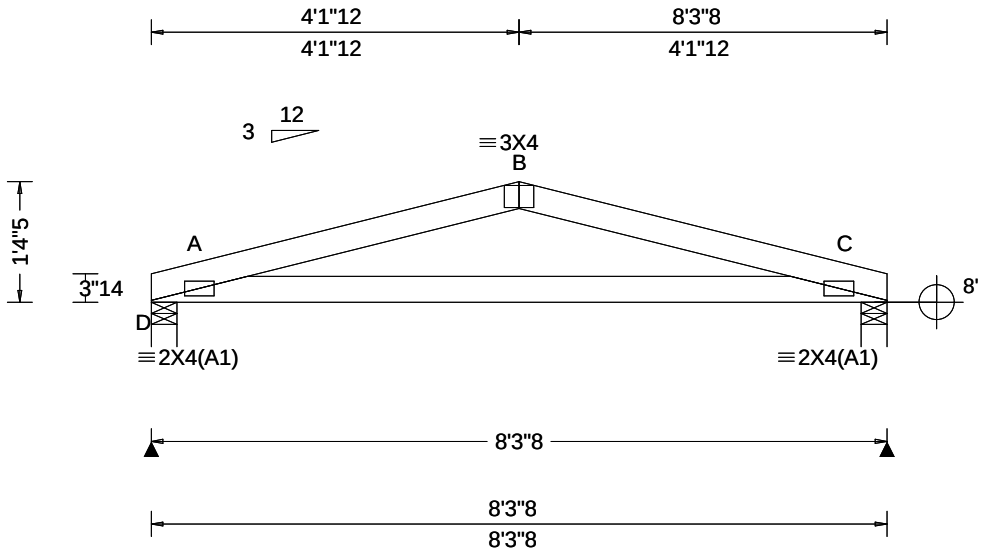
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 783024 COMN FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** P03		Cust: R 215 JRef:1Y3e2150007 T35 DrwNo: 263.24.1636.31760 NW / DF 09/19/2024	



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: 4.2 psf
BCDL: 3.0 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): 0.018	C	999	240
VERT(CL): 0.038	C	999	180
HORZ(LL): 0.005	A	-	-
HORZ(TL): 0.010	A	-	-

Creep Factor: 2.0
Max TC CSI: 0.264
Max BC CSI: 0.409
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
D	334	/-	/-	/173	/85	/10
C	334	/-	/-	/173	/85	/-

Wind reactions based on MWFRS
D Brg Wid = 3.5 Min Req = 1.5 (Truss)
C Brg Wid = 3.5 Min Req = 1.5 (Truss)
Bearings D & C 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	561	-641	B - C	561	-641

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - C	614	-503

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 1-4-5.

COA #0 278
Florida Certificate of Product Approval #FL1999
09/19/2024

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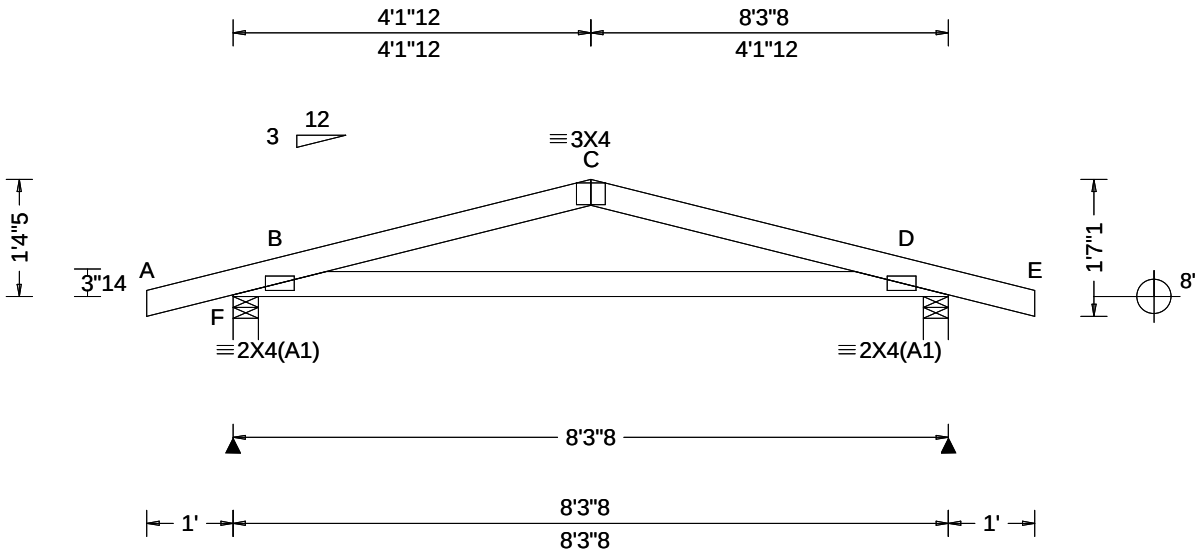
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 783026 COMN FROM: CDM	Ply: 1 Qty: 4	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** P04		Cust: R 215 JRef:1Y3e2150007 T36 DrwNo: 263.24.1636.34037 NW / DF 09/19/2024	



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: 4.2 psf
BCDL: 3.0 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): 0.016	D	999	240
VERT(CL): 0.036	D	999	180
HORZ(LL): 0.004	B	-	-
HORZ(TL): 0.009	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.248
Max BC CSI: 0.399
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
F	399	/-	/-	/205	/105	/19
D	399	/-	/-	/205	/105	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	514	-598	C - D	514	-598

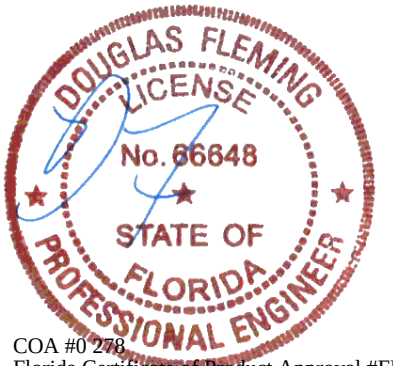
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - D	570	-430

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 1-4-5.



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09/19/2024

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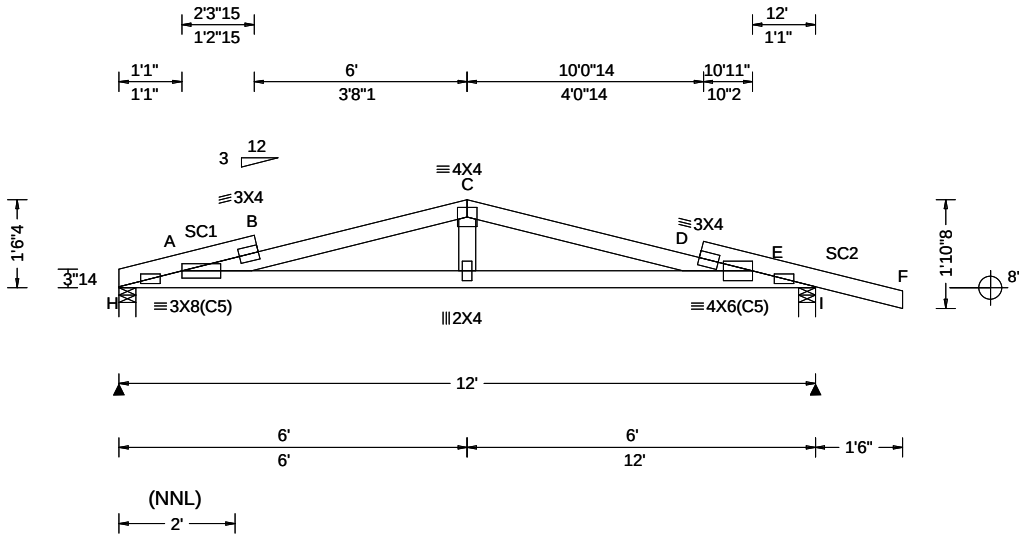
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 783018 GABL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** P05		Cust: R 215 JRef:1Y3e2150007 T39 DrwNo: 263.24.1636.42480 NW / DF 09/19/2024	



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): 0.107 B 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.210 B 651 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.011 B - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.022 B - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 4.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.515
Load Duration: 1.25	BCDL: 3.0 psf	TPI Std: 2014	Max BC CSI: 0.747
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.088
	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)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
H	473	/-	/-	/246	/115	/30
I	589	/-	/-	/301	/153	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	1100	- 1331	C - D	1079	- 1300
B - C	1084	- 1298	D - E	1114	- 1327

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
A - E	1254	- 946

Lumber

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

Plating Notes

All plates are 2X4(C5) 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

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 1-6-4.

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.

COA #0 278
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09/19/2024

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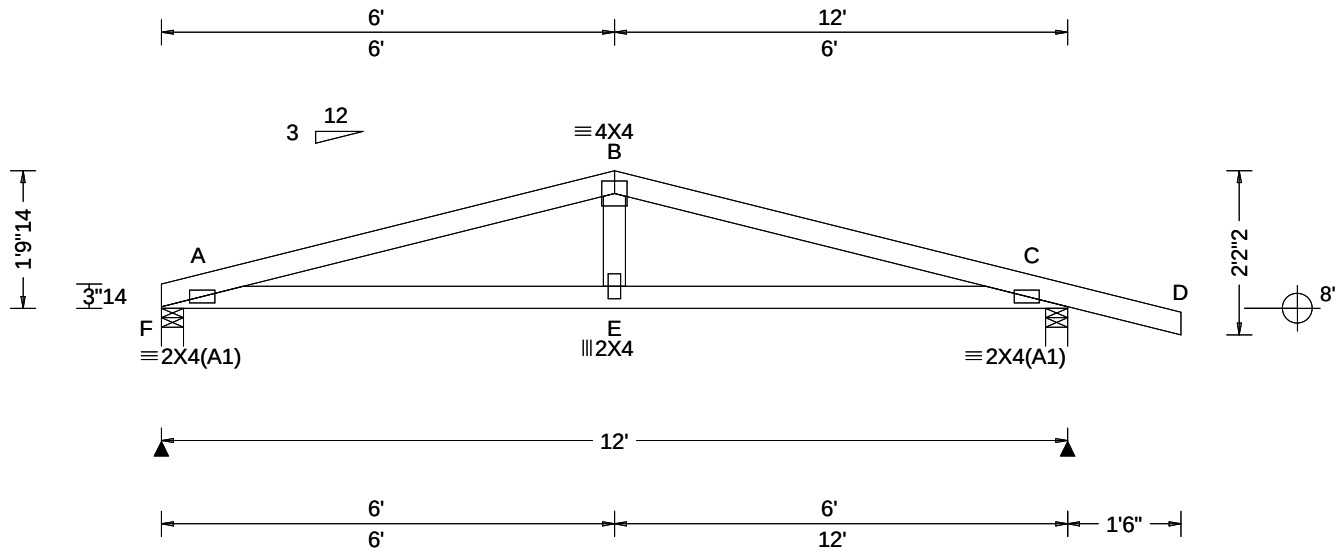
Glenview, IL 60025

SEQN: 783022 COMN FROM: CDM	Ply: 1 Qty: 4	**Job Number:** 24-0942 Reed & Susan Kellner Addtn **Truss Label:** P06	Cust: R 215 JRef:1Y3e2150007 T37 DrwNo: 263.24.1636.46357 NW / DF 09/19/2024



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: 4.2 psf
BCDL: 3.0 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): 0.036	E	999	240
VERT(CL): 0.072	E	999	180
HORZ(LL): 0.009	C	-	-
HORZ(TL): 0.019	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.341
Max BC CSI: 0.450
Max Web CSI: 0.096

VIEW Ver: 23.02.04.0123.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	476	/-	/-	/248	/121	/30
C	588	/-	/-	/299	/156	/-

Wind reactions based on MWFRS
F Brg Wid = 3.5 Min Req = 1.5 (Truss)
C Brg Wid = 3.5 Min Req = 1.5 (Truss)
Bearings F & C 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	899	- 1078	B - C	890	- 1079

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - E	1017	- 765	E - C	1017	- 765

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

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

Additional Notes
The overall height of this truss excluding overhang is 1-9-14.

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09/19/2024

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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.

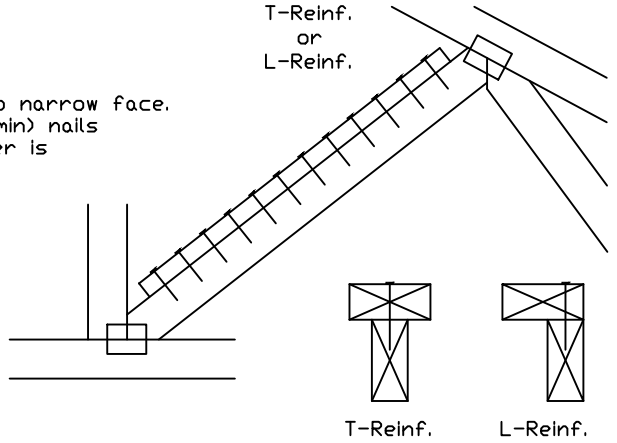
Web Member Size	Specified CLR Restraint	Alternative Reinforecement T- or L- Reinf.	Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(*)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(*)

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.

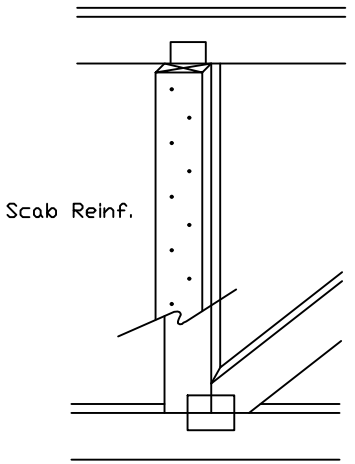
T-Reinforcement or L-Reinforcement:

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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09/19/2024

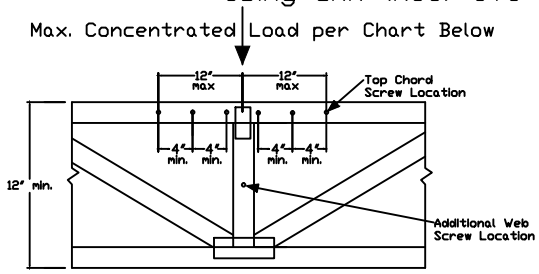
COA #0 278

TC LL	PSF	
TC DL	PSF	
BC DL	PSF	
BC LL	PSF	
TOT. LD.	PSF	
DUR. FAC.		
SPACING		

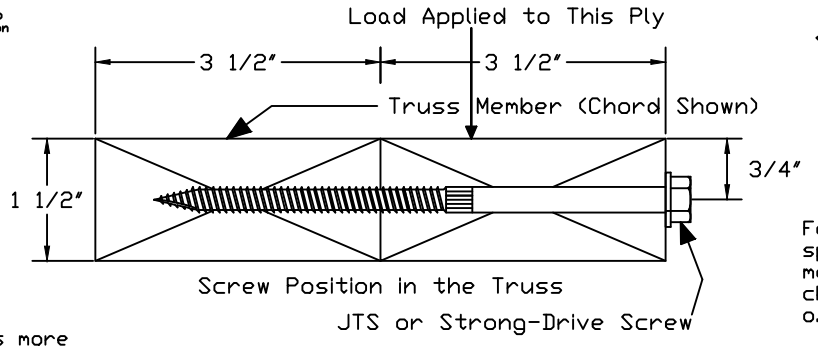
REF	CLR Subst.
DATE	01/02/19
DRWG	BRCLBSUB0119

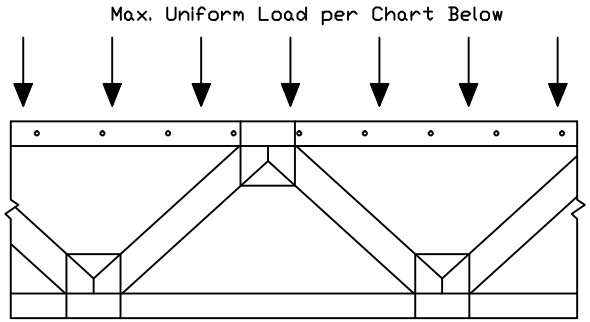
System 42 Ply to Ply Connection Detail

Using GRK (RSS) JTS 1/4x6-3/4 or Simpson SDS25600 or SDW22634 Strong Drive Screws or Equal.



Refer to Alpine sealed drawing for individual truss design.





Apply screws to top chord within 12" of the concentrated load location @ 4" o.c., min, evenly distributing them to each side of the concentrated load. A maximum of 6 screws may be applied to the top chord for each concentrated load.

For double top chords, evenly distribute the screws over both top chords, using same spacing guidelines specified above. The max number of top chord screws is 6 per chord member for a total maximum of 12 screws.

If the concentrated load connection requires more screws than 6 per top chord member and the load is located at a panel point where webs intersect the top chord, the remainder of required screws may be applied to those webs below the concentrated load location evenly spaced @ 4" o.c., min, keeping the 3" min end distances. Each additional screw is worth 474 lb for SP webs, 442 lb for DFL webs, and 400 lb for SPF webs.

For single top chord, see chart below for screw spacing. For double top chord the screw spacing may be doubled (but may not exceed 24" o.c. per chord). Screw spacing shall be offset by 1/2 the o.c. spacing in each chord.

Screws need only apply to the extents of that load.

For chord sections supporting less than 100 plf apply one screw at each top chord joint location.

# of Screws	Maximum Concentrated Load (lbs) (1.00 DF)		
	SP	DFL	SPF
1	474	442	400
2	984	884	800
3	1422	1326	1200
4	1896	1768	1600
5	2370	2210	2000
6	2844	2652	2400
7	3318	3094	2800
8	3792	3536	3200
9	4266	3978	3600
10	4740	4420	4000
11	5214	4862	4400
12	5688	5304	4800

General Notes:

1. Screws centered along the 1.5" dimension of the 4x2 member.
2. Minimum end distance of 3".
3. Screws installed with head in loaded member.
4. Gap between plies not to exceed 1/8".
5. Screw location may be adjusted up to 1" to avoid conflict with other hardware or to avoid lumber defects.
6. Do not install screws in areas where lumber wane exceeds 1/4".
7. Equal loads from both faces or loads that are evenly distributed to each ply do not require connections per this detail.
8. For 3x2 members use GRK (RSS) JTS 1/4x3 screws, or Simpson's SDS25412 or SDW22500 screws or equal.
9. Contact Alpine for special connections not covered by this detail.

Top Chord Screw o.c. Spacing (inch)	Maximum Uniform Load (plf) Along Top Chord (1.00 DF)		
	SP	DFL	SPF
4	1422	1326	1200
6	948	884	800
8	711	663	600
10	568	530	480
12	474	442	400
14	406	378	342
16	355	331	300
18	316	294	266
20	284	265	240
22	258	241	218
24	237	221	200

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COA #0 278

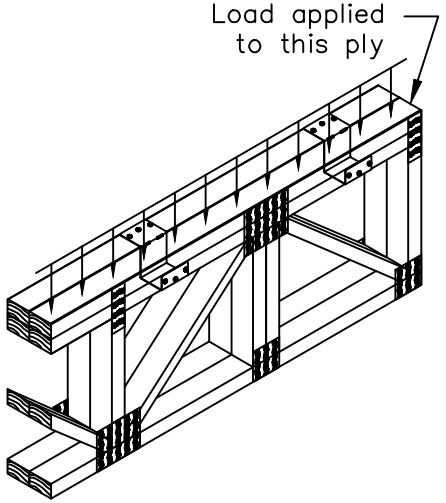
TC LL		PSF
TC DL		PSF
BC DL		PSF
BC LL		PSF
TOT. LD.		PSF
DUR. FAC.	1.00	
SPACING		

REF	SY42 Connection
DATE	01/19/2018
DRWG	CNSY42PL0118

SY32/SY42 PLY TO PLY LSC CONNECTION DETAIL

FOR DOWNWARD LOADS ONLY

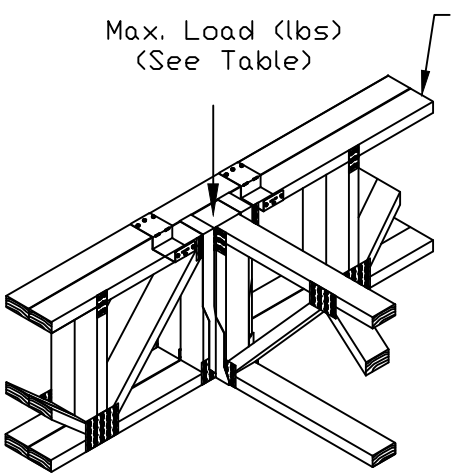
Uniform Load Application



Max. T.C. Uniform Load (plf)			Clip Spacing Along Top Chord
SP	DF	SPF/HF	
935	810	585	12" o.c.
625	540	390	18" o.c.
470	405	295	24" o.c.
375	325	235	30" o.c.

Maximum LSC spacing is 30" o.c.

Concentrated Load Application



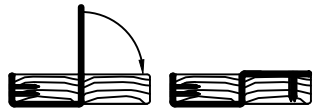
Max Load (lbs)		
SP	DF	SPF/HF
1870	1620	1170

Note:
Install LSC adjacent, equidistant, and not more than 6" on each side of concentrated load.

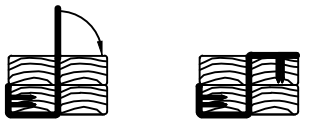
Installation Instructions:

1. Position and attach LSC to loaded ply with (3) 0.131"x1.5" nails into narrow face.

2. Bend clip over adjacent ply and attach with (3) 0.131"x1.5" nails into wide face.



LSC42 for single 4x2 chords
LSC32 for single 3x2 chords



LSC42-2 for stacked 4x2 chords
LSC32-2 for stacked 3x2 chords

Refer to Alpine sealed drawing for individual truss design.

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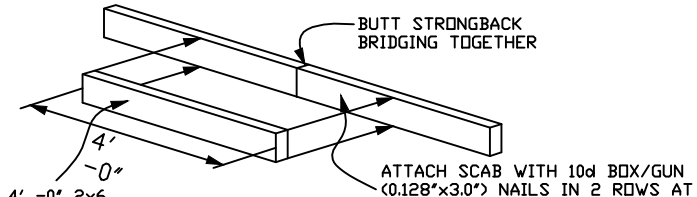
REF	SY42 Connection
DATE	10/01/14
DRWG	LSCSYX2A1014

DUR. FAC. ALL

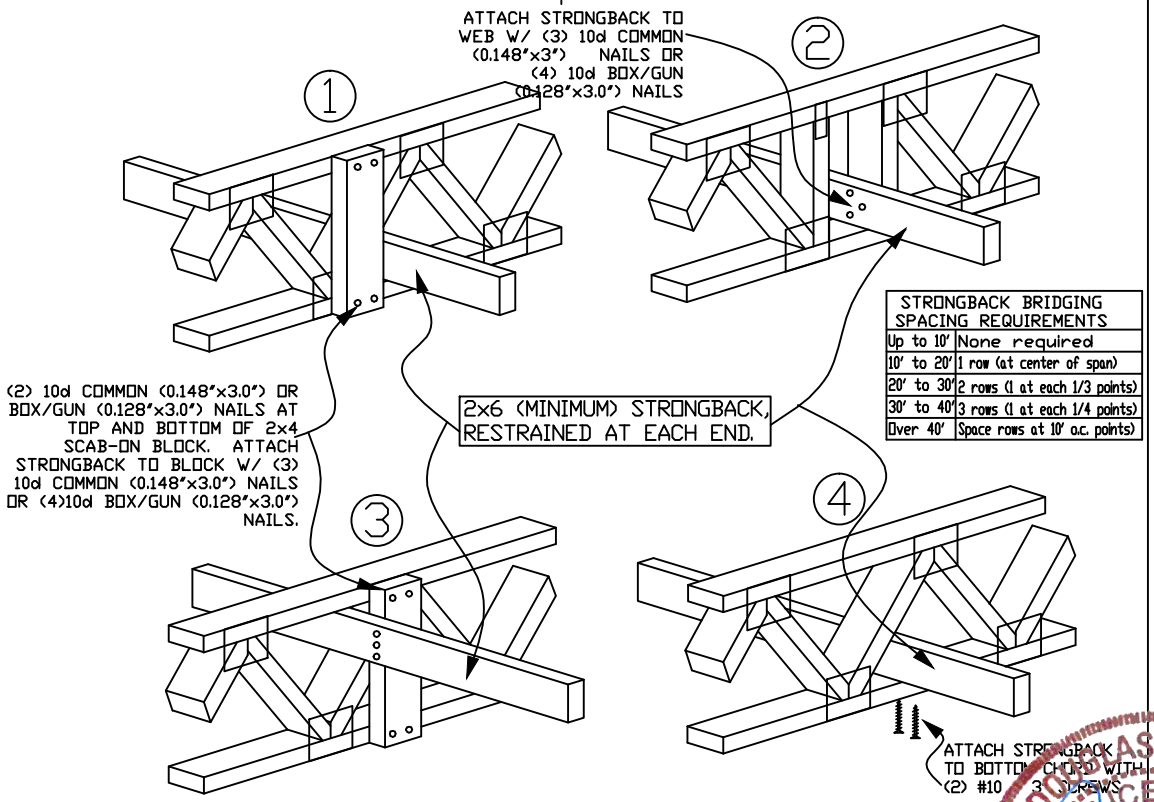
STRONGBACK BRIDGING RECOMMENDATIONS



NOTE: IN LIEU OF SPLICING AS SHOWN, LAP STRONGBACK BRIDGING MEMBERS FOR AT LEAST ONE TRUSS SPACING

STRONGBACK BRIDGING SPLICE DETAIL

NOTE: Details 1 and 2 are the preferred attachment methods



STRONGBACK BRIDGING SPACING REQUIREMENTS	
Up to 10'	None required
10' to 20'	1 row (at center of span)
20' to 30'	2 rows (1 at each 1/3 points)
30' to 40'	3 rows (1 at each 1/4 points)
Over 40'	Space rows at 10' o.c. points)

STRONGBACK BRIDGING ATTACHMENT ALTERNATIVES

- All scab-on blocks shall be a minimum 2x4 "stress graded lumber."
- All strongback bridging and bracing shall be a minimum 2x6 "stress graded lumber."
- The purpose of strongback bridging is to develop load sharing between individual trusses, resulting in an overall increase in the stiffness of the floor system. 2x6 strongback bridging, positioned as shown in details, is recommended at 10' -0" o.c. (max.)
- The terms "bridging" and "bracing" are sometimes mistakenly used interchangeably. "Bracing" is an important structural requirement of any floor or roof system. Refer to the Truss Design Drawing (TDD) for the bracing requirements for each individual truss component. "Bridging," particularly "strongback bridging" is a recommendation for a truss system to help control vibration. In addition to aiding in the distribution of point loads between adjacent truss, strongback bridging serves to reduce "bounce" or residual vibration resulting from moving point loads, such as footsteps.

The performance of all floor systems are enhanced by the installation of strongback bridging and therefore is strongly recommended by Alpine.

For additional information regarding strongback bridging, refer to BCSI (Building Component Safety Information).

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09/19/2024

COA #0 278

TC LL	PSF	REF STRONGBACK
TC DL	PSF	DATE 10/01/14
BC DL	PSF	DRWG STRBRIBR1014
BC LL	PSF	
TOT. LD.	PSF	
DUR. FAC.	1.00	
SPACING		