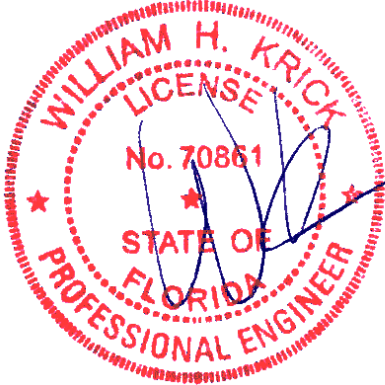




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Phone: (800)521-9790
www.alpineitw.com



This item has been digitally signed by William H. Krick on the date adjacent to the seal.

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COA #0 278

Florida Certificate of Product Approval #FL 1999

06/26/2026



Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 26-3564
Job Description: BRYCE	
Address: FL	

Job Engineering Criteria:	
Design Code: FBC 8th Ed. 2023 Res.	IntelliVIEW Version: 24.02.00D JRef #: 1YLa2150009
Wind Standard: ASCE 7-22 Wind Speed (mph): 130	Design Loading (psf): 40
Building Type: Enclosed	

This package contains general notes pages, 29 truss drawing(s) and 4 detail(s).

Item	Drawing Number	Truss
1	176.26.1315.50313	A1
3	176.26.1315.59207	B1
5	176.26.1316.19020	B2
7	176.26.1318.48437	F1
9 *	176.26.1311.04593	F2
11 *	176.26.1311.59467	F3
13 *	176.26.1313.36390	F5G
15	176.26.1314.11777	M1
17	176.26.1314.25410	P1
19	176.26.1314.30933	P1E
21	176.26.1314.34393	P2E
23	176.26.1331.54913	R1E
25	176.26.1315.38410	S1
27	176.26.1315.43697	V1
29	176.26.1315.47097	V3
31	PB160220723	
33	VALTN220723	

Item	Drawing Number	Truss
2	176.26.1315.54267	A1E
4	176.26.1316.08690	B1E
6	176.26.1316.21687	B3
8 *	176.26.1319.00820	F1G
10 *	176.26.1311.49483	F2G
12 *	176.26.1312.41507	F3G
14 *	176.26.1314.02853	FG4
16	176.26.1314.22457	M2
18	176.26.1314.28153	P1A
20	176.26.1314.32750	P2
22	176.26.1314.36737	R1
24	176.26.1315.17607	R1G
26	176.26.1315.40630	T1
28	176.26.1315.45767	V2
30	BRCLBSUB0119	
32	VAL180220723	

*Truss and job engineering criteria differ. Refer to truss design drawing for deviations

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, C_b , 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 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.

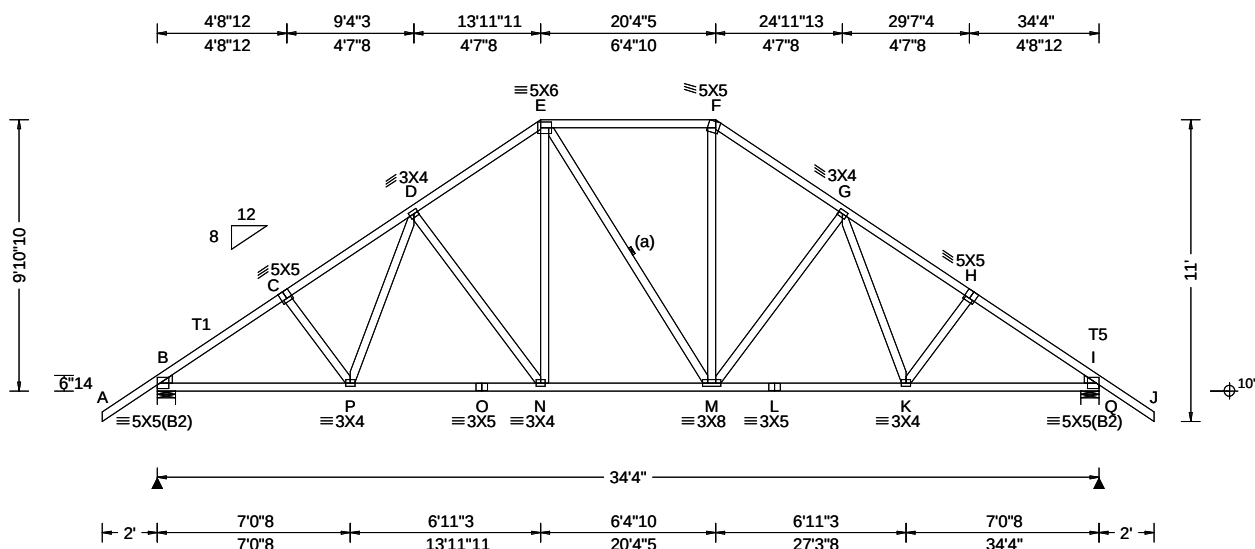
W = Width of non-hanger bearing, in inches.

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



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)					
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity		
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.102 N 999 360	Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Enclosed	Lu: NA Cs: NA	VERT(CL): 0.190 N 999 240	B	1760	/-	/-	/850	/36 /216
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.052 I - -	Q	1750	/-	/-	/850	/36 /-
	EXP: B Kzt: NA		HORZ(TL): 0.097 I - -	Wind reactions based on MWFRS					
Des Ld: 40.00	Mean Height: 15.63 ft		Creep Factor: 2.0	B	Brg Wid = 8.0		Min Req = 1.5 (Truss)		
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code: FBC 8th Ed. 2023 Res.	Max TC CSI: 0.517	Q	Brg Wid = 8.0		Min Req = 1.5 (Truss)		
Soffit: 2.00	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.372	Bearings B & I are a rigid surface.					
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes	Max Web CSI: 0.552	Members not listed have forces less than 375#					
Spacing: 24.0 "	C&C Dist a: 3.43 ft	FT/RT:20(0)/10(0)		Maximum Top Chord Forces Per Ply (lbs)					
	Loc. from endwall: not in 4.50 ft	Plate Type(s):		Chords	Tens.Comp.	Chords	Tens. Comp.		
	GCpi: 0.18	WAVE	VIEW Ver: 24.02.00D.0114.10	B - C	89	-2428	F - G	152	-1827
	Wind Duration: 1.60								

Lumber

Top chord: 2x4 SP #2; T1,T5 2x4 SP 2400f-2.0E;
Bot chord: 2x4 SP 2400f-2.0E;
Webs: 2x4 SP #3;
Lt Wedge: 2x4 SP #3; Rt Wedge: 2x4 SP #3;

Reinforcement

(a) Continuous lateral restraint equally spaced on member.

Loading

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

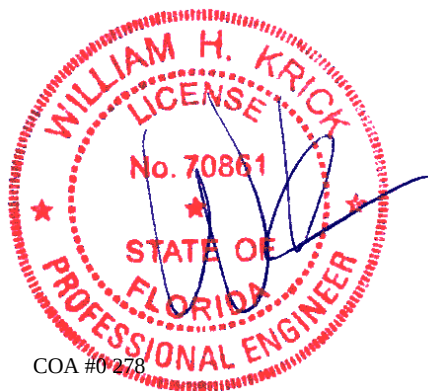
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 9-10-10.



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Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - P	1923	M - L	1720
P - O	1735	L - K	1720
O - N	1735	K - I	1911
N - M	1474		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
D - N	97 - 442	M - F	610 - 11
E - N	644 - 14	M - G	96 - 445

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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

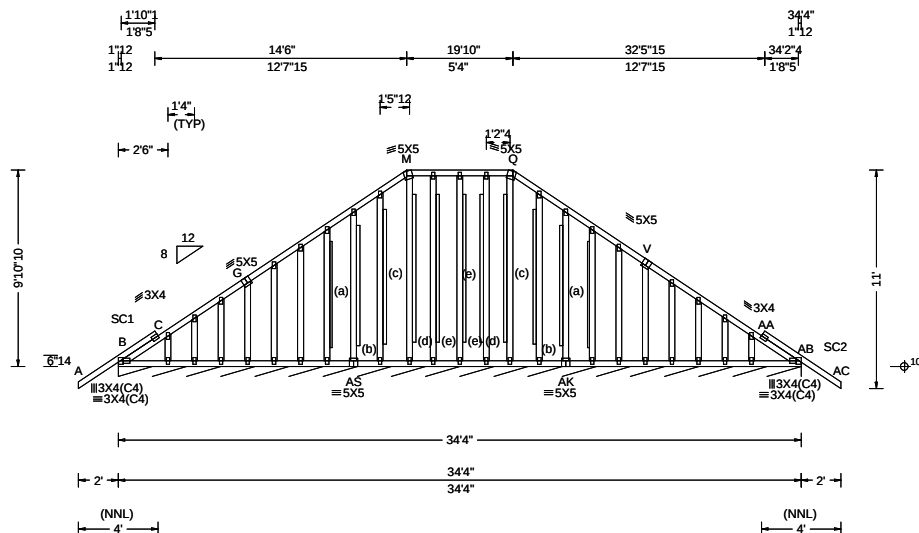
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Notes page for additional information:
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinet.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



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

SEQN: 748833 FROM: RFG Page 1 of 2	GABL Ply: 1 Qty: 2	Job Number: 26-3564 BRYCE Truss Label: A1E	Cust: R 215 JRef: 1YLa2150009 T10 DrwNo: 176.26.1315.54267 KD / WHK 06/25/2026
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
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: Enclosed Risk Category: II EXP: B Kzt: NA Mean Height: 15.63 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.43 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.002 N 999 360 VERT(CL): 0.004 N 999 240 HORZ(LL): -0.002 C - - HORZ(TL): 0.010 T - - Creep Factor: 2.0 Max TC CSI: 0.738 Max BC CSI: 0.217 Max Web CSI: 1.000 VIEW Ver: 24.02.00D.0114.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B* 187 /- /- /75 /7 /11 Wind reactions based on MWFRS B Brg Wid = 412 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 711 -887 Q - V 411 -79 G - M 422 -147 AA-AB 711 -889

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 4.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

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

Wind

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

Wind loading based on both gable and hip roof types.

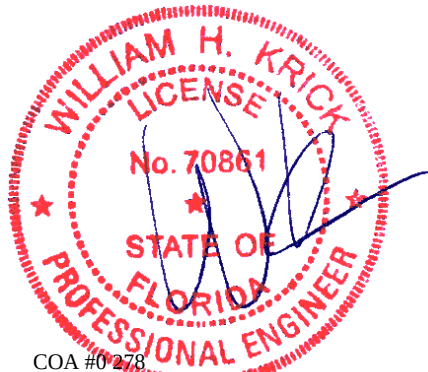
Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/222.

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 9-10-10.



COA #0278

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North Building, 4th Floor
Glenview, IL 60025

SEQN: 748833	GABL	Ply: 1	Job Number: 26-3564	Cust: R 215 JRef: 1YLa2150009 T10
FROM: RFG		Qty: 2	BRYCE	DrwNo: 176.26.1315.54267
Page 2 of 2			Truss Label: A1E	KD / WHK 06/25/2026

Gable Reinforcement

- (a) 1x4 "L" reinforcement. Same species and grade as web. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.
- (b) 2x3 SP/DF #2 or better "L" reinforcement. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.
- (c) 2x4 "L" reinforcement. Same species and grade as web. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.
- (d) 2x6 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.
- (e) 2x4 SP/DF #2 or better "L" reinforcement. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.



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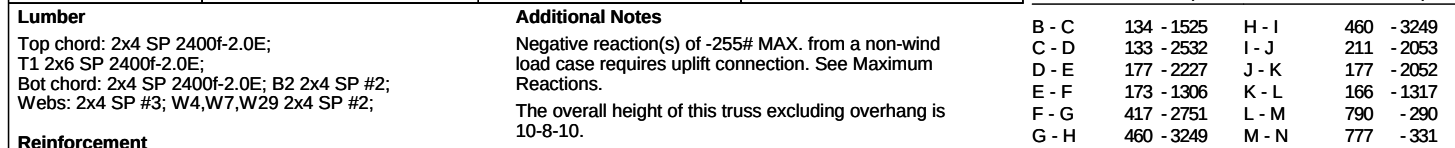
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Glenview, IL 60025



Additional Notes

Negative reaction(s) of -255# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

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

Maximum Bot Chord Forces Per Ply (lbs)				
Chords	Tens.	Comp.	Chords	Tens. Comp.
AC-AB	500	-2169	W - V	4287 0
AB-AA	504	-2252	V - U	3400 0
AA- Z	1233	-434	U - T	2398 -16
Z - Y	2627	-180	T - S	750 -476
Y - X	3556	0	Q - P	297 -567
X - W	4136	0	P - N	295 -604

Maximum Web Forces Per Ply (lbs)					
Webs		Tens.Comp.		Webs Tens. Comp.	
B -AD	114	-2701	AK-AL	22	-2342
B -AC	2088	-39	AL- V	124	-376
AC- C	19	-2393	AL-AM	139	-2215
AC-AE	3244	-46	V -AO	901	-74
C -AE	1840	0	AM-AO	139	-2215
D -AE	591	-59	AN- I	1221	-218
AE-AB	394	0	AO- U	38	-620
AE-AA	2616	0	AO-AP	326	-1436
AE-AF	1642	-94	U -AP	1133	-36
E -AG	31	-1410	AP- T	13	-758
AA-AF	0	-1175	AP-AR	517	-612
AF- Z	1563	0	T -AR	2179	0
AE-AH	305	-512	I -AQ	98	-538
F-AJ	1884	-198	AO-AR	100	-585

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North Building, 4th Floor
Glenview, IL 60025

SEQN: 748904	ATIC	Ply: 1	Job Number: 26-3564	Cust: R 215 JRef: 1YLa2150009 T14
FROM: RFG		Qty: 9	BRYCE	DrwNo: 176.26.1315.59207
Page 2 of 2			Truss Label: B1	KD / WHK 06/25/2026

AG-AJ	28	- 1339	AR- S	464	- 448
Z -AH	4	- 751	AR-AT	1509	- 167
AH- Y	1099	- 7	AS- J	1768	- 88
AH-AI	14	- 1525	AT- J	57	- 810
Y -AI	23	- 539	AT- K	1176	0
AI- X	672	- 43	AT- Q	979	- 238
AI-AK	0	- 2145	K - Q	0	- 1683
AJ-AN	776	- 219	Q - L	2085	0
G -AN	692	- 101	L - P	80	- 2856



COA #0278

06/26/2026
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ALPINE
 AN ITW COMPANY
 155 Harlem Ave
 North Building, 4th Floor
 Glenview, IL 60025

Lumber	Wind				
Top chord: 2x4 SP 2400f-2.0E;	Wind loads based on MWFRS with additional C&C member design.	B - C	58	- 857	O - P 172 - 1119
T1 2x6 SP 2400f-2.0E; T2,T5 2x4 SP #2;		C - D	60	- 880	P - Q 176 - 1192
Bot chord: 2x4 SP 2400f-2.0E; B2 2x4 SP #2;		D - E	133	- 846	Q - R 155 - 1230
Webs: 2x4 SP #3;	Left end vertical exposed to wind pressure. Deflection meets L/360.	E - F	135	- 890	R - S 142 - 1278
Stack Chord: SC1 2x4 SP #2;		F - G	109	- 1356	S - T 179 - 755
Stack Chord: SC2 2x4 SP #2;	Wind loading based on both gable and hip roof types.	G - H	115	- 1370	T - U 174 - 788
	Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/330.	H - I	132	- 1303	U - V 153 - 819
Nailnote		I - J	141	- 1436	V - W 536 - 197
Nail Schedule:0.128"x3", min. nails		J - K	34	- 1077	W - X 502 - 205
Top Chord: 1 Row @12.00" o.c.	Gable Reinforcement	K - L	66	- 1583	X - Y 410 - 161
Bot Chord: 1 Row @12.00" o.c.	(a) 2x3 "T" reinforcement. Any species and grade. Full truss height along web member. Attach to the wide face with 10d (0.131"x3",min.) nails @ 4" oc in the web plus (2)10d (0.131"x3".min.) nails in each chord.	L - M	144	- 1664	Y - Z 395 - 166
Webs :1 Row @ 4" o.c.		M - N	144	- 1664	Z - AA 586 - 208
Use equal spacing between rows and stagger nails in each row to avoid splitting.		N - O	172	- 1118	

cut or notched, unless specified otherwise.		Maximum Web Forces Per Ply (lbs)				
Attic room loading from 6-5-12 to 22-10-0: Live Load:		Webs	Tens.Comp.	Webs	Tens. Comp.	
40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF,		B -AV	1156	-45	BX-BZ	90 -915
Kneewalls: 10 PSF		AV-AX	1197	-45	BY-CB	556 0
Purlins		AX-AS	1101	-42	BZ-CD	88 -903

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SEQN: 748892	GABL	Ply: 2	Job Number: 26-3564	Cust: R 215 JRef: 1YLa2150009 T13
FROM: RFG		Qty: 2	BRYCE	DrwNo: 176.26.1316.08690
Page 2 of 2			Truss Label: B1E	KD / WHK 06/25/2026

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 noticable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in noticable area using 3x6.

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

BB-BE	886	0	CG-CH	99	-570
BC-BE	1281	0	CH-AJ	29	-379
BE-BF	1207	0	AJ-CL	1048	-41
BE-AQ	579	-9	N-CK	0	-462
BF-BG	1201	0	CK-CL	0	-462
BG-BI	665	0	CL-CO	857	-41
BG-AP	530	0	CM-CN	821	-41
K-BP	714	-32	CN-P	804	-37
BI-BJ	665	0	CO-CQ	857	-41
BJ-AO	666	-7	CQ-CR	560	0
BO-BR	41	-608	CQ-CS	585	-115
BO-AN	461	-13	CR-CU	580	0
BP-BQ	556	0	CS-CV	585	-115
BP-L	21	-420	CU-S	590	0
BQ-BT	556	0	CV-AG	583	-117
BR-BS	41	-608	S-AG	0	-971
BS-BU	55	-840	AG-CX	1392	0
BT-BW	556	0	CX-CY	1429	0
BU-BV	55	-840	CY-V	1417	0
BV-BX	90	-915	V-AE	14	-1907
BW-BY	556	0			

Maximum Gable Forces Per Ply (lbs)

Gables Tens.Comp.

B-AU 92 -1557



COA #0278

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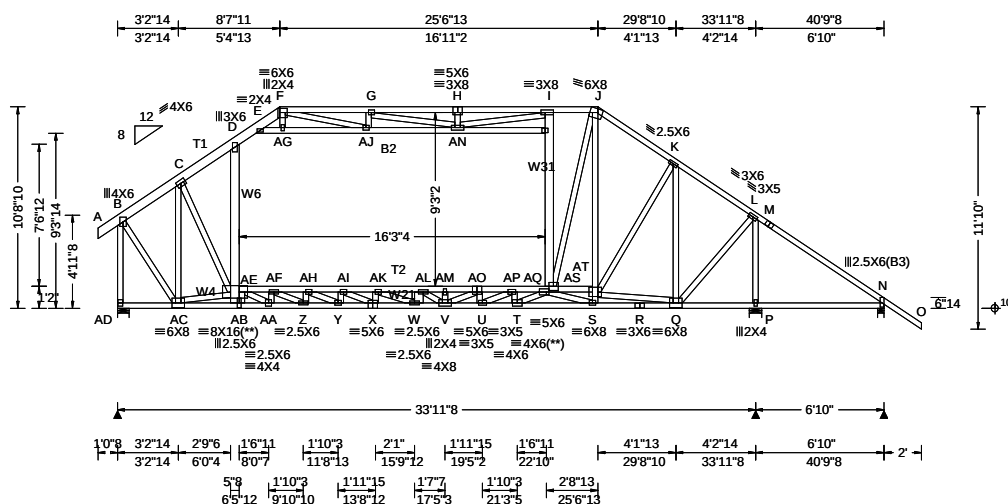
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
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 Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: B Kzt: NA Mean Height: 17.80 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 4.08 ft Loc. from endwall: not in 13.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.189 W 999 360 VERT(CL): 0.359 W 999 240 HORZ(LL): 0.034 D - - HORZ(TL): 0.065 D - - Creep Factor: 2.0 Max TC CSI: 0.439 Max BC CSI: 0.466 Max Web CSI: 0.752 VIEW Ver: 24.02.00D.0114.10	Gravity Loc R+ / R- / Rh / Rw / U / RL AD 4461 -/- /- /64 /99 P 3091 -/- /- /60 -/- N 694 -170 -/- /54 -/- Non-Gravity AD Brg Wid = 7.5 Min Req = 1.8 (Truss) P Brg Wid = 8.0 Min Req = 1.5 (Truss) N Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings AD, P, & 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.

Lumber
Top chord: 2x4 SP 2400f-2.0E;
T1 2x6 SP 2400f-2.0E; T2 2x4 SP #2;
Bot chord: 2x4 SP 2400f-2.0E; B2 2x4 SP #2;
Webs: 2x4 SP #3; W4 2x4 SP #2; W6,W21,
W31 2x6 SP #2;

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

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

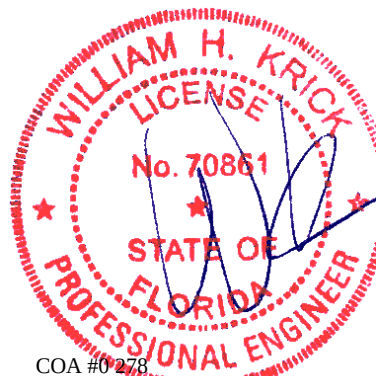
Loading
Attic room loading from 6-5-12 to 22-9-0: Live Load: 40
PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls:
10 PSF

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

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

Wind
Wind loads and reactions based on MWFRS.
Left end vertical exposed to wind pressure. Deflection
meets L/360.
Wind loading based on both gable and hip roof types.

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



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Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
AC-AB	0 - 1000	W - V	3909 0
AB-AA	0 - 1141	V - U	2333 0
AA-Z	919 -23	U - T	1134 -19
Z - Y	2050 0	T - S	253 -866
Y - X	2942 0	S - R	144 -452
X - W	3627 0	R - Q	144 -452

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B - AD	39 - 2217	AK-AL	0 - 2392
B - AC	1777 -17	AL - V	7 - 637
AC - C	16 - 1784	AL-AM	0 - 1722
AC-AE	1587 0	V - AO	1201 0
C - AE	1257 -11	AM-AO	0 - 1722
D - AE	777 -28	AN - I	418 -152
AE-AB	908 0	AO - U	0 - 668
AE-AA	1462 0	AO-AP	0 - 668
AE-AF	1004 0	U - AP	1249 0
E - AG	0 - 1333	AP - T	0 - 841
AA-AF	0 - 754	AP-AQ	913 -155
AF - Z	1101 0	T - AQ	1872 0
F - AJ	944 -96	AQ-AS	2168 0
AG-AJ	0 - 1282	AQ - S	401 -187
Z - AH	0 - 540	AS-AT	1808 0

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SEQN: 748910	ATIC	Ply: 2	Job Number: 26-3564	Cust: R 215 JRef: 1YLa2150009 T27
FROM: RFG		Qty: 2	BRYCE	DrwNo: 176.26.1316.19020
Page 2 of 2			Truss Label: B2	KD / WHK 06/25/2026

Special loads

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

TC: From	64 plf at	-1.04 to	64 plf at	42.79
PLT: From	20 plf at	22.75 to	20 plf at	24.82
PLT: From	24 plf at	6.65 to	24 plf at	8.64
PLT: From	100 plf at	6.48 to	100 plf at	22.75
BC: From	5 plf at	-1.04 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	40.79
BC: From	5 plf at	40.79 to	5 plf at	42.79
BC: 1401 lb Conc. Load at	6.31			
BC: 151 lb Conc. Load at	6.48			
BC: 1143 lb Conc. Load at	16.04			
BC: 185 lb Conc. Load at	22.75			

AH- Y	866	0	AS- J	1501	0
AH- AI	2	-1126	AT- J	2	-685
Y- AI	0	-433	AT- K	752	0
AI- X	665	0	AT- Q	1393	0
AI- AK	0	-1843	K- Q	24	-1026
G- AN	401	0	Q- L	1057	-19
AK- W	487	-4	L- P	62	-1469



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06/26/2026
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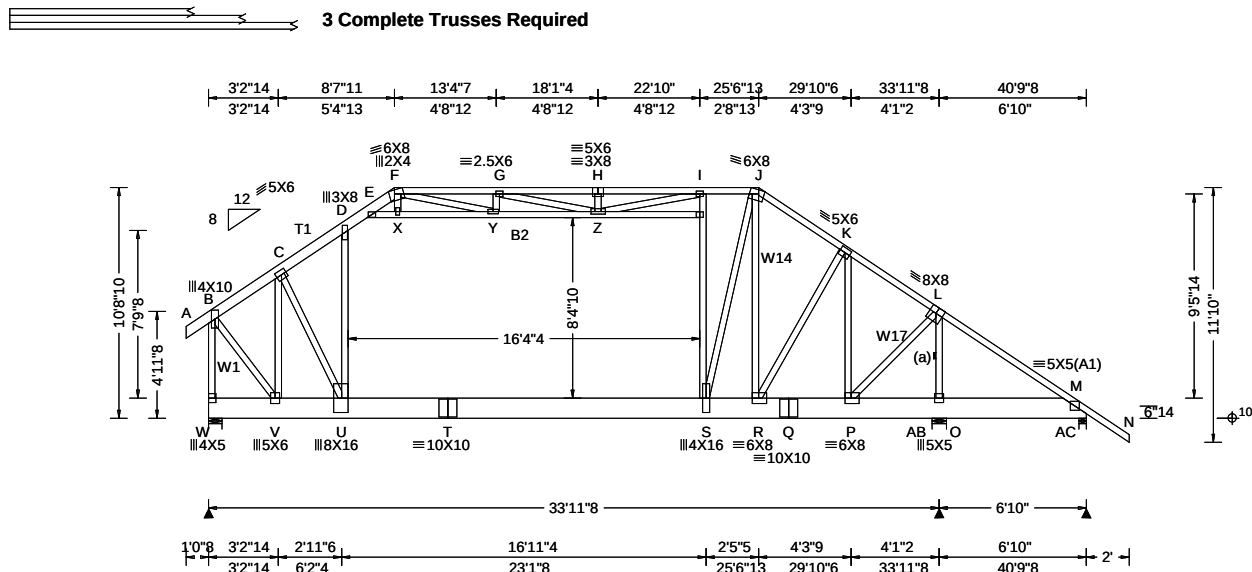
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: B Kzt: NA Mean Height: 17.80 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 4.08 ft Loc. from endwall: not in 13.00 ft GCp: 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): 0.163 AA 999 360 VERT(CL): 0.324 AA 999 240 HORZ(LL): -0.075 Z - - HORZ(TL): 0.148 Z - - Creep Factor: 2.0 Max TC CSI: 0.331 Max BC CSI: 0.264 Max Web CSI: 0.958 VIEW Ver: 24.02.00D.0114.10	Gravity Loc R+ / R- / Rh / Rw / U / RL W 8840 /- /- /- /64 /99 AB 17759 /- /- /- /57 /- AC 213 /-3100 /- /- /62 /- Wind reactions based on MWFRS W Brg Wid = 7.5 Min Req = 2.4 (Truss) AB Brg Wid = 8.0 Min Req = 4.9 (Truss) AC Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings W, AB, & AC 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.

Lumber
Top chord: 2x4 SP 2400f-2.0E;
T1 2x6 SP 2400f-2.0E;
Bot chord: 2x12 SP 2400f-2.0E; B2 2x4 SP #2;
Webs: 2x4 SP #3; W1 2x4 SP 2400f-2.0E; W14, W17 2x4 SP #2;

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

Nailnote
Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 3.25" o.c.
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Plating Notes
All plates are 3X4 except as noted.

Loading
Attic room loading from 6-5-12 to 22-10-0: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

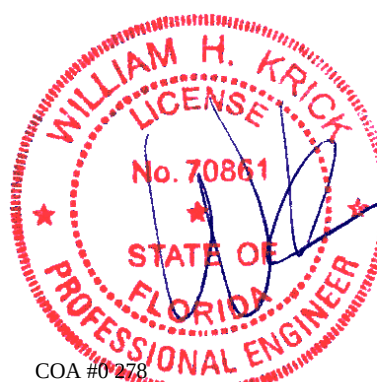
Purlins
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Wind
Wind loads and reactions based on MWFRS.
Left end vertical exposed to wind pressure. Deflection meets L/360.
Wind loading based on both gable and hip roof types.

Additional Notes
Negative reaction(s) of -3100# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.
The overall height of this truss excluding overhang is 10-8-10.

Chords	Tens.Comp.	Chords	Tens. Comp.
V - U	1548 -19	R - Q	1139 -18
U - T	2279 -16	Q - P	1139 -18
T - S	2279 -16	P - O	35 -1279
S - R	1927 -17	O - M	26 -1342

Maximum Web Forces Per Ply (lbs)	Webbs	Tens.Comp.	Webbs	Tens. Comp.
B - W	25	-3079	Y - Z	258 -885
B - V	2514	-11	G - Z	760 0
V - C	4	-2352	Z - I	406 -178
C - U	1761	-1	S - J	1510 0
U - D	1195	0	R - K	1623 0
E - X	0	-2191	K - P	18 -2056
F - X	404	0	P - L	3548 -10
F - Y	1185	-64	L - O	35 -4391
X - Y	0	-2105		



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

SEQN: 748926	ATIC	Ply: 3	Job Number: 26-3564	Cust: R 215 JRef: 1YLa2150009 T5
FROM: RFG		Qty: 2	BRYCE	DrwNo: 176.26.1316.21687
Page 2 of 2			Truss Label: B3	KD / WHK 06/25/2026

Special loads

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

TC: From 64 plf at -1.04 to 64 plf at 42.79
PLT: From 24 plf at 6.48 to 24 plf at 7.37
PLT: From 20 plf at 7.37 to 20 plf at 22.83
PLT: From 100 plf at 6.48 to 100 plf at 22.83
BC: From 5 plf at -1.04 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 40.79
BC: From 5 plf at 40.79 to 5 plf at 42.79
BC: 5285 lb Conc. Load at 6.31
BC: 156 lb Conc. Load at 6.48
BC: 168 lb Conc. Load at 22.83
BC: 4560 lb Conc. Load at 22.96
BC: 1210 lb Conc. Load at 24.90,26.90,28.90,30.90
BC: 2883 lb Conc. Load at 32.83

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



COA #0278

06/26/2026
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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

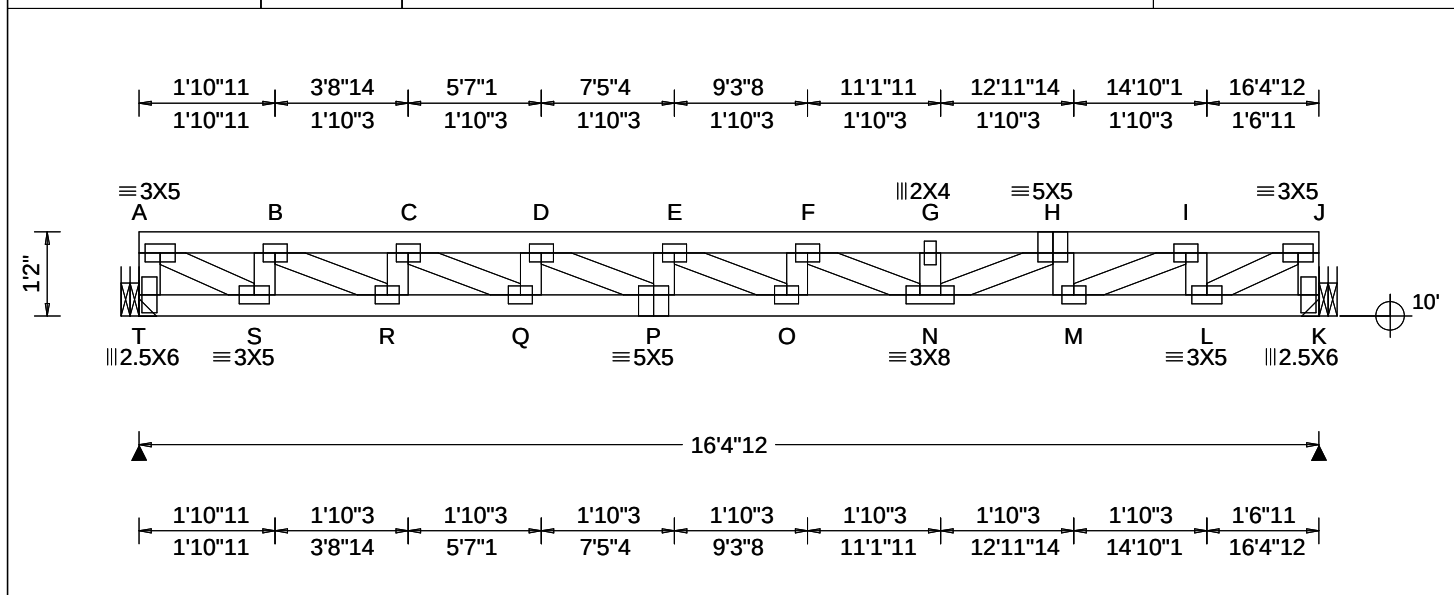
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

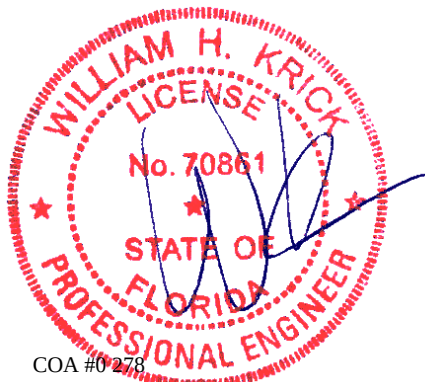


SEQN: 748945 FROM: RFG	FLAT Ply: 1 Qty: 6	Job Number: 26-3564 BRYCE Truss Label: F1	Cust: R 215 JRef: 1YLa2150009 T15 DrwNo: 176.26.1318.48437 KD / WHK 06/25/2026
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
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: Enclosed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: NA Loc. from endwall: not in 21.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.167 E 999 360 VERT(CL): 0.333 E 590 240 HORZ(LL): 0.026 A - - HORZ(TL): 0.053 A - - Creep Factor: 2.0 Max TC CSI: 0.218 Max BC CSI: 0.733 Max Web CSI: 0.449 VIEW Ver: 24.02.00D.0114.10	Gravity Loc R+ / R- / Rh / Rw / U / RL T 656 /- /- /334 /32 /19 K 656 /- /- /334 /32 /- Non-Gravity T Brg Wid = - Min Req = - K Brg Wid = - Min Req = - Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 341 -1041 F - G 865 -2631 B - C 649 -1973 G - H 865 -2631 C - D 840 -2594 H - I 653 -1959 D - E 922 -2921 I - J 342 -1017 E - F 932 -2936

Lumber Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Plating Notes All plates are 3X4 except as noted. Hangers / Ties Simpson Construction Hardware is specified based on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information. Recommended hanger connections are based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage. Bearing at location x=0' uses the following support conditions: 0' Bearing T (0', 10') HUS26 Supporting Member: (2)2x6 SP 2400f-2.0E (14) 0.148"x3" nails into supporting member, (4) 0.148"x3" nails into supported member. Hanger Support Required, by others	Wind Wind loads based on MWFRS with additional C&C member design. Left end vertical exposed to wind pressure. Deflection meets L/360. Right end vertical not exposed to wind pressure. Additional Notes Truss must be installed as shown with top chord up. The overall height of this truss excluding overhang is 1-2-0.	Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. S - R 1221 -412 O - N 2921 -943 R - Q 2101 -699 N - M 2088 -704 Q - P 2676 -874 M - L 1197 -414 P - O 2954 -937 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. A - T 226 -626 N - H 610 -192 A - S 1178 -396 H - M 161 -409 S - B 225 -569 M - I 874 -274 B - R 863 -271 I - L 225 -571 R - C 159 -405 L - J 1158 -390 C - Q 566 -174 J - K 226 -626
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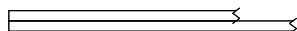


COA #0 278

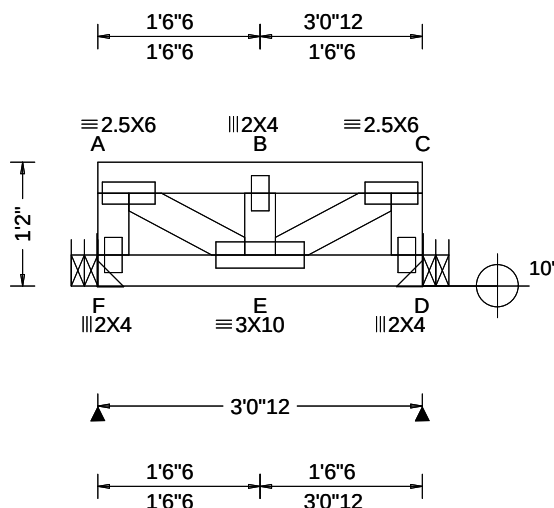
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SEQN: 748908 FROM: RFG	FLAT Ply: 2 Qty: 1	Job Number: 26-3564 BRYCE Truss Label: F1G	Cust: R 215 JRef: 1YLa2150009 T26 DrwNo: 176.26.1319.00820 KD / WHK 06/25/2026
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Kzt: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA 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: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.006 B 999 480 VERT(CL): 0.010 B 999 360 HORZ(LL): 0.001 A - - HORZ(TL): 0.002 A - - Creep Factor: 2.0 Max TC CSI: 0.186 Max BC CSI: 0.272 Max Web CSI: 0.418 VIEW Ver: 24.02.00D.0114.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL F 1401 /- /- /- /- /- D 1448 /- /- /- /- /- F Brg Wid = - Min Req = - D Brg Wid = - Min Req = - Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 0 - 773 B - C 0 - 773 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. A - F 0 - 620 E - C 876 0 A - E 877 0 C - D 0 - 620 B - E 0 - 399

Lumber

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

Nailnote

Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 4.75" o.c.
Bot Chord: 1 Row @ 2.75" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 502 plf at 0.00 to 502 plf at 3.06
BC: From 5 plf at 0.00 to 5 plf at 3.06
BC: 521 lb Conc. Load at 0.98, 2.08
BC: 254 lb Conc. Load at 1.81

Hangers / Ties

Hanger Support Required, by others

Purlins

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

Additional Notes

Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 1'-2-0.



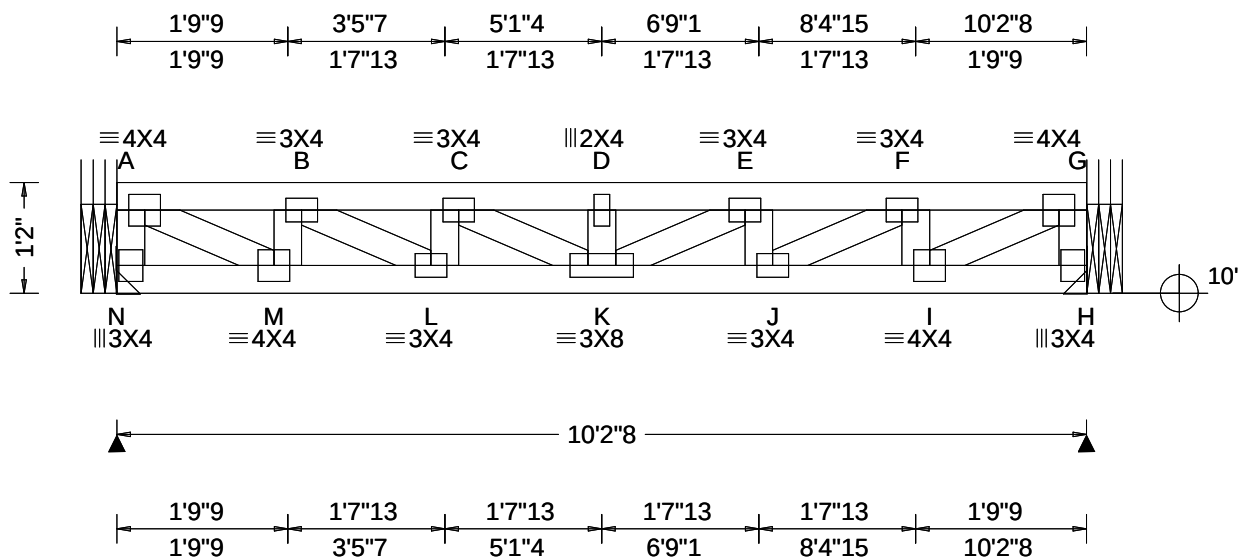
COA #0278

06/26/2026
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AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 748691 FROM: RFG	FLAT Ply: 1 Qty: 4	Job Number: 26-3564 BRYCE Truss Label: F2	Cust: R 215 JRef: 1YLa2150009 T16 DrwNo: 176.26.1311.04593 KD / WHK 06/25/2026
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Kzt: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA 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: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.044 D 999 480 VERT(CL): 0.085 D 999 360 HORZ(LL): 0.010 A - - HORZ(TL): 0.019 A - - Creep Factor: 2.0 Max TC CSI: 0.288 Max BC CSI: 0.544 Max Web CSI: 0.503 VIEW Ver: 24.02.00D.0114.10	Gravity Loc R+ / R- / Rh / Rw / U / RL N 1210 -/- -/- -/- -/- H 1210 -/- -/- -/- -/- N Brg Wid = - Min Req = - H Brg Wid = - Min Req = - Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 0 -948 D - E 0 -1695 B - C 0 -1488 E - F 0 -1488 C - D 0 -1695 F - G 0 -948

Lumber

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

Special Loads

----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 100 plf at 0.00 to 100 plf at 10.21
BC: From 10 plf at 0.00 to 10 plf at 10.21
TC: 649 lb Conc. Load at 0.14,10.06

Hangers / Ties

Hanger Support Required, by others

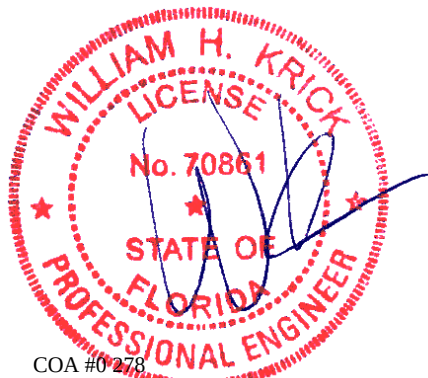
Purlins

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

Additional Notes

Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 1'-2-0.

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



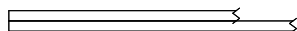
COA #0278

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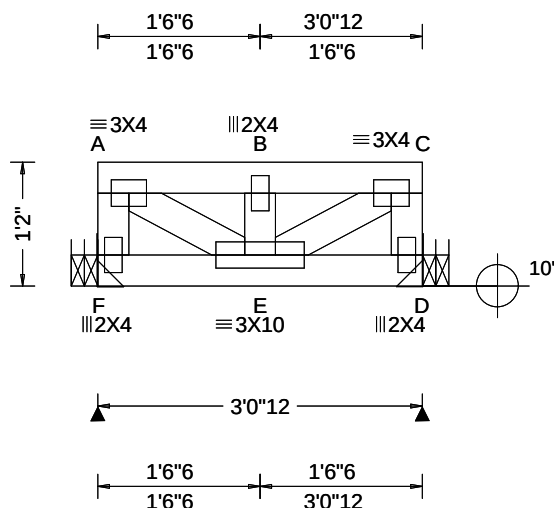
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 748855 FROM: RFG	FLAT Ply: 2 Qty: 1	Job Number: 26-3564 BRYCE Truss Label: F2G	Cust: R 215 JRef: 1YLa2150009 T19 DrwNo: 176.26.1311.49483 KD / WHK 06/25/2026
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Kzt: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA 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: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.006 B 999 480 VERT(CL): 0.008 B 999 360 HORZ(LL): 0.001 A - - HORZ(TL): 0.002 A - - Creep Factor: 2.0 Max TC CSI: 0.231 Max BC CSI: 0.245 Max Web CSI: 0.338 VIEW Ver: 24.02.00D.0114.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL F 1143 /- /- /- /- /- D 1030 /- /- /- /- /- F Brg Wid = - Min Req = - D Brg Wid = - Min Req = - Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 0 -625 B - C 0 -625 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. A - F 0 -459 E - C 709 0 A - E 707 0 C - D 0 -460

Lumber

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

Nailnote

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

Special Loads

----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 50 plf at 0.00 to 50 plf at 3.06
BC: From 5 plf at 0.00 to 5 plf at 3.06
TC: 481 lb Conc. Load at 0.86, 2.20
BC: 521 lb Conc. Load at 0.81, 1.92

Hangers / Ties

Hanger Support Required, by others

Purlins

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

Additional Notes

Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is
1-2-0.
**THIS TRUSS MUST BE INSTALLED AS SHOWN
AND NOT END FOR END.**

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



COA #0278

06/26/2026
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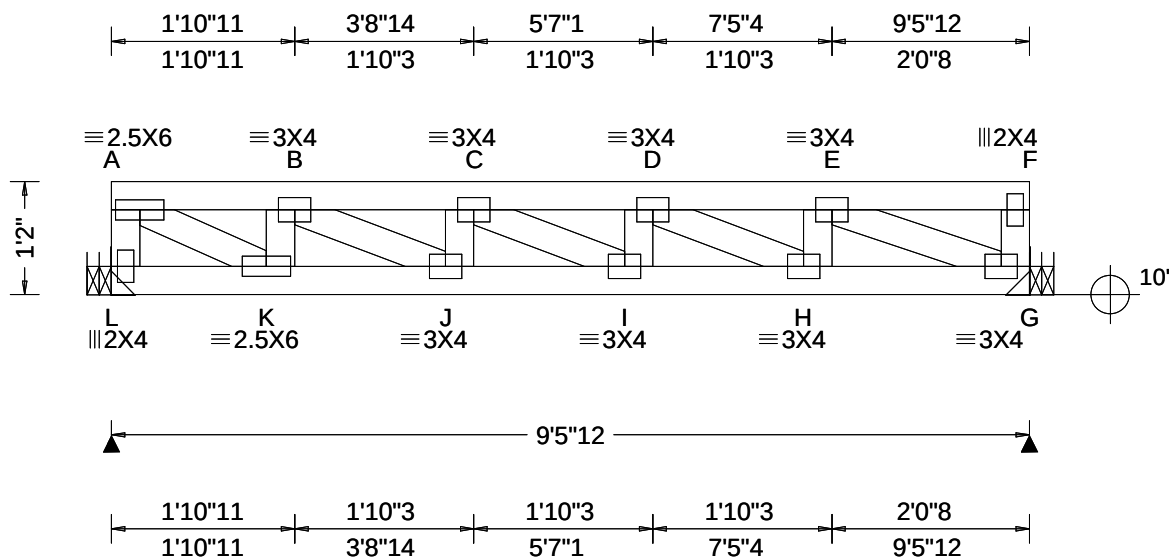
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 748851 FROM: RFG	FLAT Ply: 1 Qty: 2	Job Number: 26-3564 BRYCE Truss Label: F3	Cust: R 215 JRef: 1YLa2150009 T25 DrwNo: 176.26.1311.59467 KD / WHK 06/25/2026
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Kzt: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA 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): 0.044 I 999 480 VERT(CL): 0.060 I 999 360 HORZ(LL): 0.010 G - - HORZ(TL): 0.014 G - - Creep Factor: 2.0 Max TC CSI: 0.129 Max BC CSI: 0.426 Max Web CSI: 0.408 VIEW Ver: 24.02.00D.0114.10	Gravity Loc R+ / R- / Rh / Rw / U / RL L 521 /- /- /- /- /- G 521 /- /- /- /- /- L Brg Wid = - Min Req = - G Brg Wid = - Min Req = - Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 0 -759 C - D 0 -1343 B - C 0 -1261 D - E 0 -1006

Lumber

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

Hangers / Ties

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'-2-0.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
K - J	894 0	I - H	1341 0
J - I	1324 0	H - G	940 0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - L	0 -501	B - J	421 0
A - K	857 0	D - H	0 -384
K - B	0 -427	E - G	0 -1012



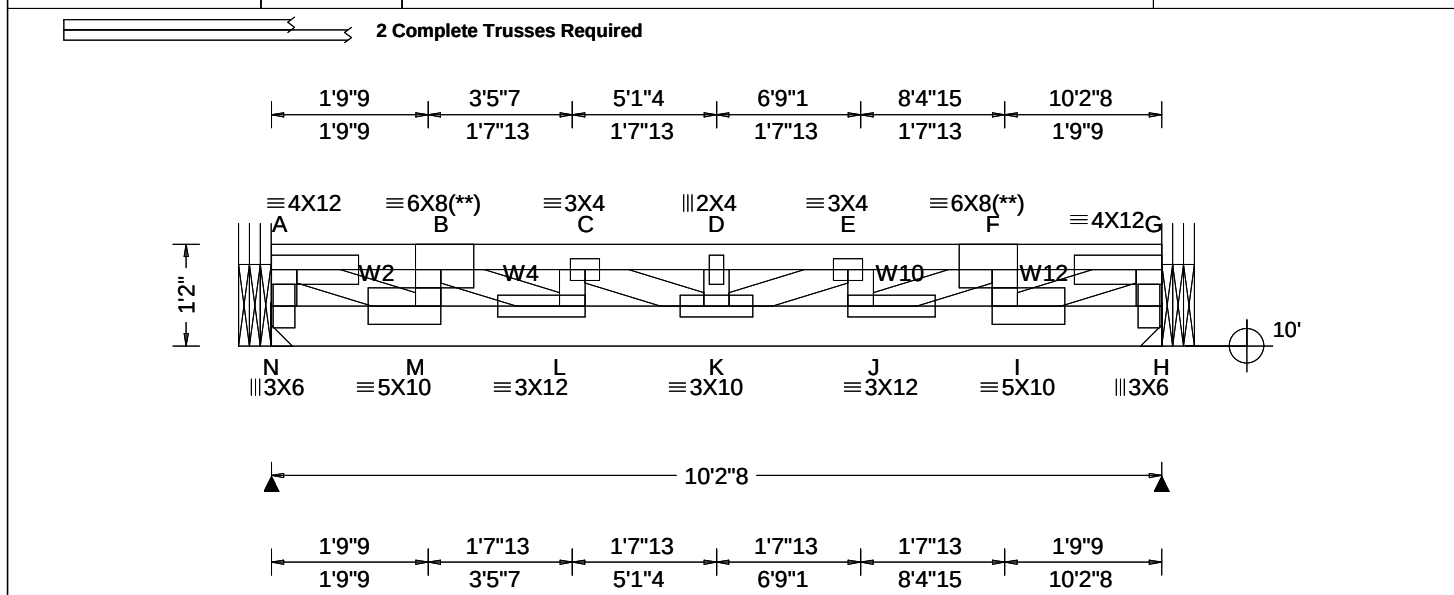
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 748900 FROM: RFG	FLAT Ply: 2 Qty: 1	Job Number: 26-3564 BRYCE Truss Label: F3G	Cust: R 215 JRef: 1YLa2150009 T17 DrwNo: 176.26.1312.41507 KD / WHK 06/25/2026
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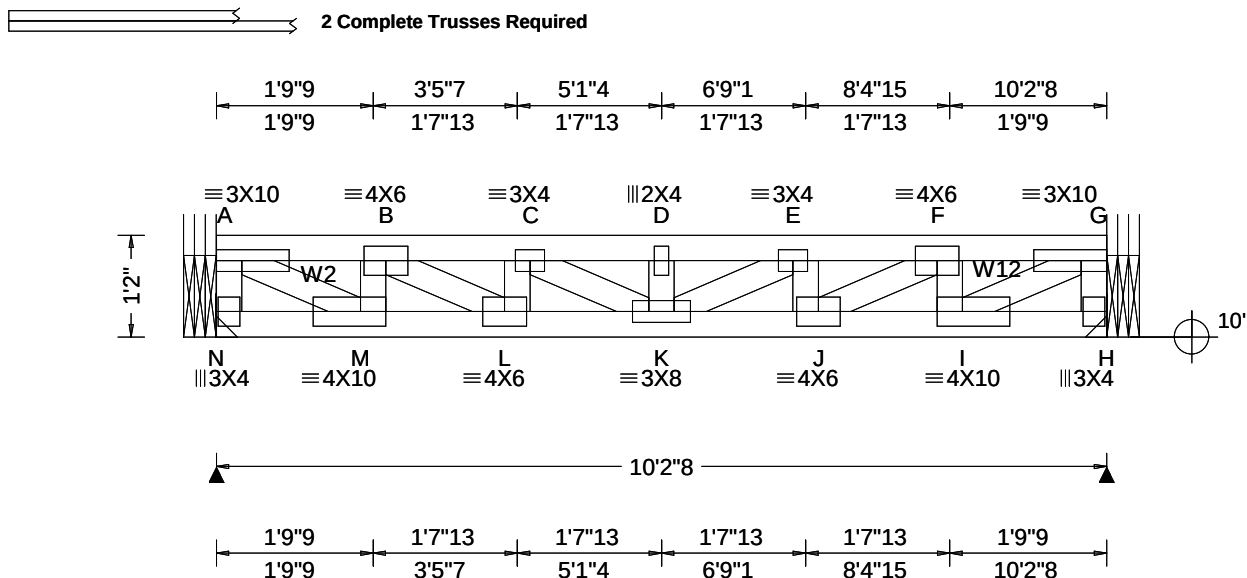
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Kzt: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA 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: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.151 D 809 480 VERT(CL): 0.265 D 462 360 HORZ(LL): 0.029 A - - HORZ(TL): 0.051 A - - Creep Factor: 2.0 Max TC CSI: 0.845 Max BC CSI: 0.826 Max Web CSI: 0.699 VIEW Ver: 24.02.00D.0114.10	Gravity Loc R+ / R- / Rh / Rw / U / RL N 5285 /- /- /- /- /- H 5126 /- /- /- /- /- N Brg Wid = - Min Req = - H Brg Wid = - Min Req = - Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 0 -4162 D - E 0 -7846 B - C 0 -6937 E - F 0 -6820 C - D 0 -7846 F - G 0 -4109

Lumber	Additional Notes	Maximum Bot Chord Forces Per Ply (lbs)
Top chord: 2x4 SP 2400f-2.0E; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W2, W12 2x4 SP 2400f-2.0E; W4, W10 2x4 SP #2;	Truss must be installed as shown with top chord up. The overall height of this truss excluding overhang is 1-2-0. It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data, including dimensions and loads, conform to the architectural plans/specifications and fabricators truss layout.	Chords Tens.Comp. Chords Tens. Comp. M - L 4796 0 K - J 7115 0 L - K 7212 0 J - I 4730 0
Nailnote		Maximum Web Forces Per Ply (lbs)
Nail Schedule: 0.128"x3", min. nails Top Chord: 1 Row @ 4.75" o.c. Bot Chord: 2 Rows @ 4.50" o.c. (Each Row) Webs : 1 Row @ 4" o.c. Use equal spacing between rows and stagger nails in each row to avoid splitting.		Webs Tens.Comp. Webs Tens. Comp. A - N 0 -2240 K - E 825 0 A - M 4588 0 E - J 0 -855 M - B 0 -1833 J - F 2417 0 B - L 2477 0 F - I 0 -1799 L - C 0 -796 I - G 4529 0 C - K 716 0 G - H 0 -2214
Special Loads		
----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00) TC: From 505 plf at 0.00 to 505 plf at 10.21 BC: From 5 plf at 0.00 to 5 plf at 10.21 BC: 910 lb Conc. Load at 0.81, 2.81 BC: 656 lb Conc. Load at 4.40, 5.31, 7.31, 9.31 BC: 254 lb Conc. Load at 4.81, 6.81, 8.81		

Plating Notes	Professional Engineer Seal
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.	WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
Hangers / Ties	COA #0 278 06/26/2026 Florida Certificate of Product Approval #FL 1999
Purlins	
The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.	

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!	ALPINE AN ITW COMPANY
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SEQN: 748695 FROM: RFG	FLAT Ply: 2 Qty: 1	Job Number: 26-3564 BRYCE Truss Label: F5G	Cust: R 215 JRef: 1YLa2150009 T12 DrwNo: 176.26.1313.36390 KD / WHK 06/25/2026
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Kzt: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA 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: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.145 D 843 480 VERT(CL): 0.199 D 614 360 HORZ(LL): 0.031 A - - HORZ(TL): 0.043 A - - Creep Factor: 2.0 Max TC CSI: 0.687 Max BC CSI: 0.596 Max Web CSI: 0.725 VIEW Ver: 24.02.00D.0114.10	Gravity Loc R+ / R- / Rh / Rw / U / RL N 2883 -/- /- /- /- /- H 2852 -/- /- /- /- /- N Brg Wid = - Min Req = - H Brg Wid = - Min Req = - Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 0 - 2288 D - E 0 - 4564 B - C 0 - 3911 E - F 0 - 3910 C - D 0 - 4564 F - G 0 - 2286

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP 2400f-2.0E;
Webs: 2x4 SP #3; W2, W12 2x4 SP #2;

Nailnote

Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 3.25" o.c.
Bot Chord: 1 Row @ 12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 340 plf at 0.00 to 770 plf at 5.10
TC: From 770 plf at 5.10 to 365 plf at 9.92
TC: From 255 plf at 9.92 to 230 plf at 10.21
BC: From 10 plf at 0.00 to 10 plf at 10.21

Hangers / Ties

Hanger Support Required, by others

Purlins

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

Additional Notes

Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 1'-2-0.

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

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.	
M - L	2702	0	K - J	4160	0
L - K	4161	0	J - I	2700	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens.	Comp.
A - N	0 - 1387	K - E	467	0
A - M	2569 0	E - J	0	- 791
M - B	0 - 1309	J - F	1439	0
B - L	1438 0	F - I	0	- 1308
L - C	0 - 790	I - G	2567	0
C - K	467 0	G - H	0	- 1371
D - K	0 - 505			

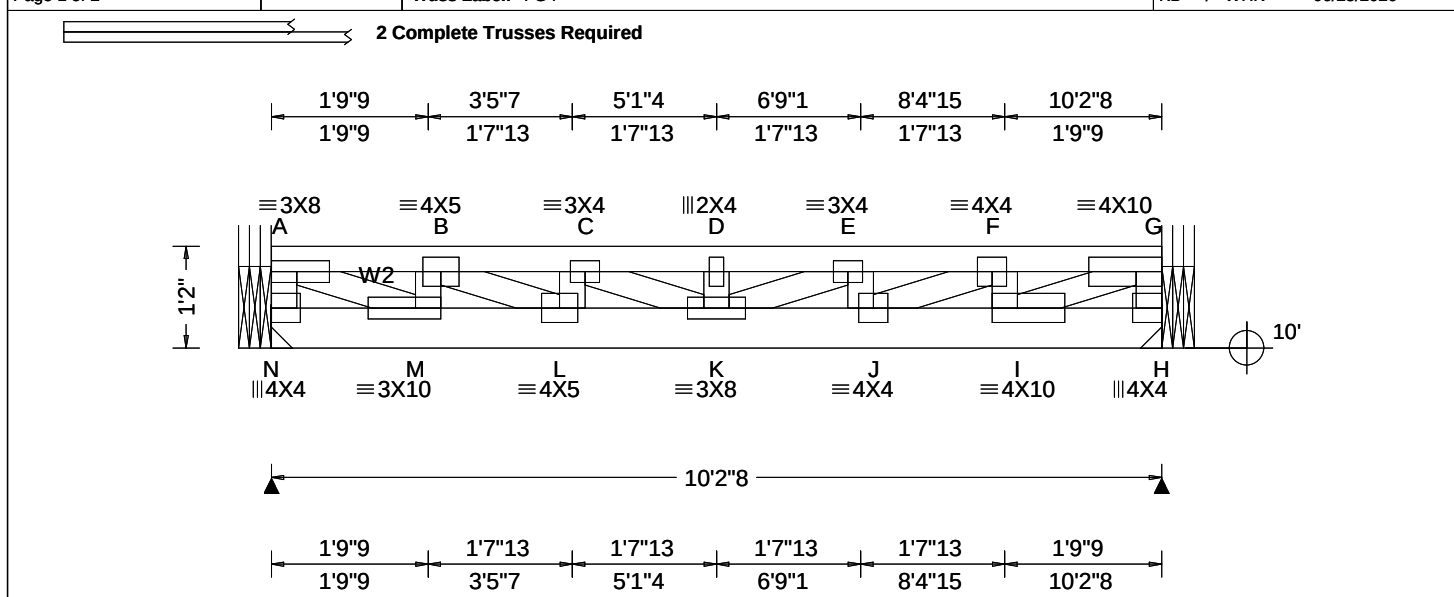


COA #0278

Florida Certificate of Product Approval #FL 1999

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North Building, 4th Floor
Glenview, IL 60025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Kzt: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA 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: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.096 K 999 480 VERT(CL): 0.160 K 763 360 HORZ(LL): 0.018 A - - HORZ(TL): 0.031 A - - Creep Factor: 2.0 Max TC CSI: 0.497 Max BC CSI: 0.446 Max Web CSI: 0.975 VIEW Ver: 24.02.00D.0114.10	Gravity Loc R+ / R- / Rh / Rw / U / RL N 4560 - / - / - / - / - H 4474 - / - / - / - / - N Brg Wid = - Min Req = - H Brg Wid = - Min Req = - Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 0 - 1934 D - E 0 - 3616 B - C 0 - 3257 E - F 0 - 3139 C - D 0 - 3616 F - G 0 - 1871

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W2 2x4 SP #2;

Nailnote
Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 2.50" o.c.
Bot Chord: 1 Row @ 3.25" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

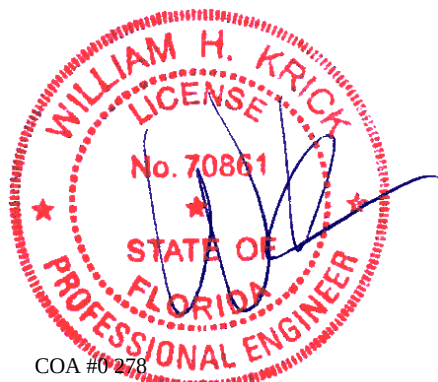
Special Loads
----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 50 plf at 0.00 to 50 plf at 10.21
BC: From 5 plf at 0.00 to 5 plf at 10.21
TC: 2269 lb Conc. Load at 0.15, 10.06
BC: 656 lb Conc. Load at 0.81, 2.81, 4.40, 5.31, 7.31, 9.31

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

Additional Notes
Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 1'-2-0.
THIS TRUSS MUST BE INSTALLED AS SHOWN AND NOT END FOR END.

Maximum Bot Chord Forces Per Ply (lbs)					
Chords		Tens.Comp.	Chords		Tens. Comp.
M - L	2213	0	K - J	3228	0
L - K	3325	0	J - I	2140	0

Maximum Web Forces Per Ply (lbs)					
Webs	Tens.Comp.		Webs	Tens.	Comp.
A - N	0 - 1994		J - F	1156	0
A - M	2117	0	F - I	0	- 779
M - B	0	- 809	I - G	2047	0
B - L	1207	0	G - H	0	- 1964
K - E	438	0			



COA #0278

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SEQN: 748902	FLAT	Ply: 2	Job Number: 26-3564	Cust: R 215 JRef: 1YLa2150009 T23
FROM: RFG		Qty: 1	BRYCE	DrwNo: 176.26.1314.02853
Page 2 of 2			Truss Label: FG4	KD / WHK 06/25/2026

Hangers / Ties

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

Recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Additional connection required to evenly distribute hanger reaction throughout all plies of supporting girder.

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

Bearing at location x=0' uses the following support conditions: 0'

Bearing N (0', 10') HGUS210-2

Supporting Member: (3)2x12 SP 2400f-2.0E

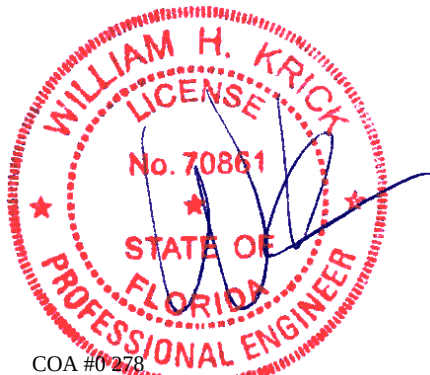
(46) 0.148"x3" nails into supporting

member,

(16) 0.148"x3" nails into supported

member.

Hanger Support Required, by others



COA #0278

06/26/2026
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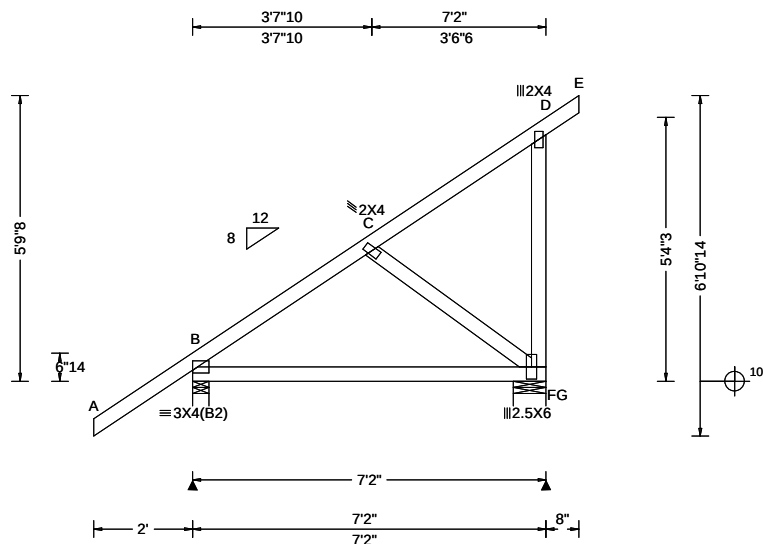
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 748912 FROM: RFG	MONO Ply: 1 Qty: 6	Job Number: 26-3564 BRYCE Truss Label: M1	Cust: R 215 JRef: 1YLa2150009 T21 DrwNo: 176.26.1314.11777 KD / WHK 06/25/2026
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
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: Enclosed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.002 C 999 360 VERT(CL): -0.006 C 999 240 HORZ(LL): -0.002 B - - HORZ(TL): 0.008 B - - Creep Factor: 2.0 Max TC CSI: 0.306 Max BC CSI: 0.511 Max Web CSI: 0.078 VIEW Ver: 24.02.00D.0114.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 459 /- /- /205 /- /149 G 327 /- /- /236 /60 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) G Brg Wid = 8.0 Min Req = 1.5 (Truss) Bearings B & G are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 5'-9-8.



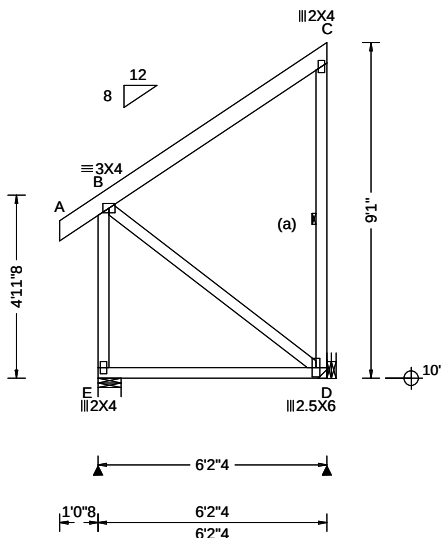
COA #0278

06/26/2026
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SEQN: 748896 FROM: RFG	MONO Ply: 1 Qty: 6	Job Number: 26-3564 BRYCE Truss Label: M2	Cust: R 215 JRef: 1YLa2150009 T11 DrwNo: 176.26.1314.22457 KD / WHK 06/25/2026
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
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: Enclosed Risk Category: II EXP: B Kzt: NA Mean Height: 16.68 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 C 999 360 VERT(CL): 0.003 C 999 240 HORZ(LL): -0.001 B - - HORZ(TL): 0.005 C - - Creep Factor: 2.0 Max TC CSI: 0.303 Max BC CSI: 0.472 Max Web CSI: 0.313 VIEW Ver: 24.02.00D.0114.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 338 /- /- /179 /- /168 D 254 /- /- /246 /99 /- Wind reactions based on MWFRS E Brg Wid = 7.5 Min Req = 1.5 (Truss) D Brg Wid = - Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. B - D 386 -108

Lumber

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

Reinforcement

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

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

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

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

Hanger Support Required, by others
Bearing D (5'11"4", 10') LUS24

Supporting Member: (2)2x4 SP #2
(4) 0.148"x3" nails into supporting member,
(2) 0.148"x3" nails into supported member.

Wind

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

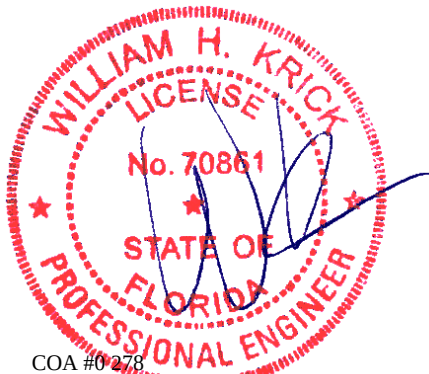
Left end vertical exposed to wind pressure. Deflection meets L/360.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 9'-1.0."



COA #0278

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

SEQN: 748940	COMN	Ply: 1	Job Number: 26-3564	Cust: R 215	JRef: 1YLa2150009	T2
FROM: RFG		Qty: 13	BRYCE	DrwNo: 176.26.1314.25410		
			Truss Label: P1	KD / WHK	06/25/2026	

Lumber



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

All plates are 2X4 except as noted.

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

Additional Notes

The overall height of this truss excluding overhang is 5-7-12.

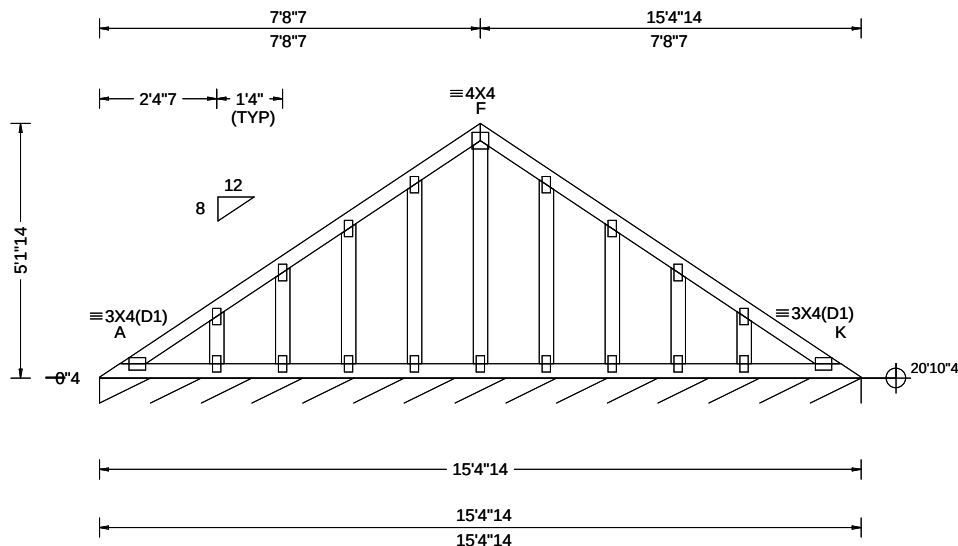
WILLIAM KRIG
AGENCY



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SEQN: 748839 FROM: RFG	GABL Ply: 1 Qty: 2	Job Number: 26-3564 BRYCE Truss Label: P1E	Cust: R 215 JRef: 1YLa2150009 T7 DrwNo: 176.26.1314.30933 KD / WHK 06/25/2026
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
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 Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: B Kzt: NA Mean Height: 17.80 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 8.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.005 A 999 360 VERT(CL): 0.003 A 999 240 HORZ(LL): -0.002 B - - HORZ(TL): 0.002 B - - Creep Factor: 2.0 Max TC CSI: 0.126 Max BC CSI: 0.109 Max Web CSI: 0.347 VIEW Ver: 24.02.00D.0114.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A* 188 -/- /58 -/- Wind reactions based on MWFRS A Brg Wid = 184 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 4.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

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

Wind

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

Wind loading based on both gable and hip roof types.

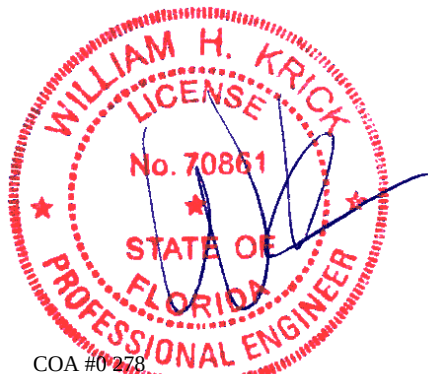
Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/391.

Additional Notes

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

Refer to DWG PB160220723 for piggyback details.

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



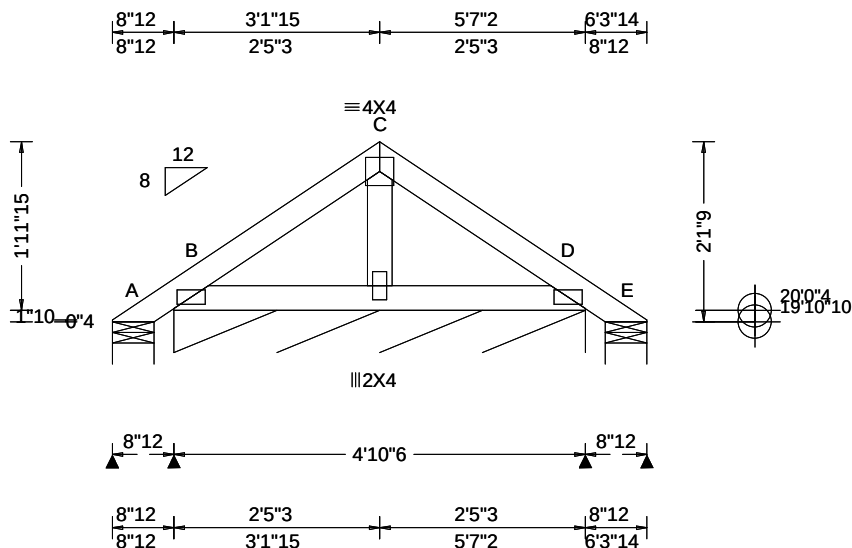
COA #0278

06/26/2026
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 748937 FROM: RFG	COMN Ply: 1 Qty: 10	Job Number: 26-3564 BRYCE Truss Label: P2	Cust: R 215 JRef: 1YLa2150009 T8 DrwNo: 176.26.1314.32750 KD / WHK 06/25/2026
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
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: Enclosed Risk Category: II EXP: B Kzt: NA Mean Height: 15.63 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 - - 360 VERT(CL): 0.000 - - 240 HORZ(LL): 0.000 - - - HORZ(TL): 0.000 - - - Creep Factor: 2.0 Max TC CSI: 0.059 Max BC CSI: 0.043 Max Web CSI: 0.012 VIEW Ver: 24.02.00D.0114.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A - /-5 /- /27 /26 /38 B* 103 /- /- /59 /5 /- E - /-5 /- /7 /4 /- Wind reactions based on MWFRS A Brg Wid = 5.9 Min Req = 1.5 (Truss) B Brg Wid = 58.4 Min Req = - E Brg Wid = 5.9 Min Req = 1.5 (Truss) Bearings A, B, & E are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

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

Wind

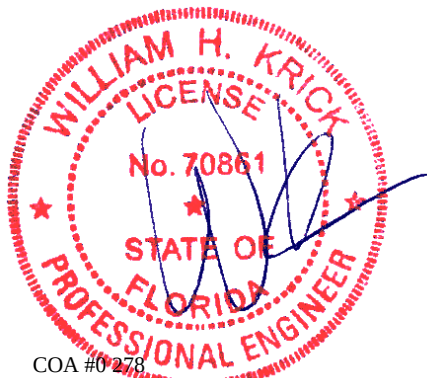
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

Refer to DWG PB160220723 for piggyback details.

The overall height of this truss excluding overhang is 2'-1-9.



COA #0278

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Glenview, IL 60025

SEQN: 748934	GABL	Ply: 1	Job Number: 26-3564	Cust: R 215	JRef: 1YLa2150009	T1
FROM: RFG		Qty: 2	BRYCE	DrwNo: 176.26.1314.34393		
			Truss Label: P2E	KD / WHK	06/25/2026	

Lumber

Plating Notes

Loading

Wind

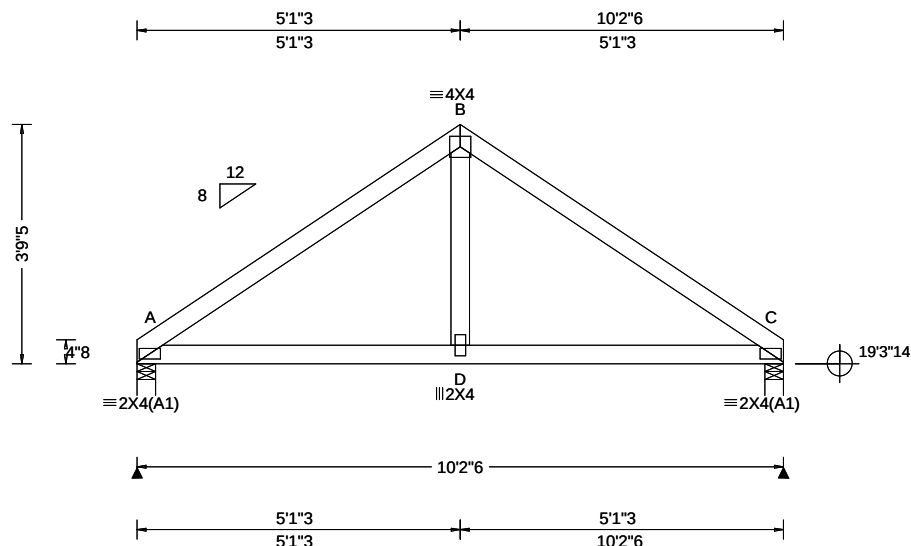
Additional Notes



06/26/2026
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SEQN: 748948 FROM: RFG	COMN Ply: 1 Qty: 4	Job Number: 26-3564 BRYCE Truss Label: R1	Cust: R 215 JRef: 1YLa2150009 T24 DrwNo: 176.26.1314.36737 KD / WHK 06/25/2026
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
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: Enclosed Risk Category: II EXP: B Kzt: NA Mean Height: 21.40 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.005 D 999 360 VERT(CL): 0.007 D 999 240 HORZ(LL): 0.004 A - - HORZ(TL): 0.005 A - - Creep Factor: 2.0 Max TC CSI: 0.257 Max BC CSI: 0.257 Max Web CSI: 0.087 VIEW Ver: 24.02.00D.0114.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 429 - / - / 242 / 40 / 67 C 429 - / - / 242 / 40 / - Wind reactions based on MWFRS A Brg Wid = 3.5 Min Req = 1.5 (Truss) C Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings A & C Fcperp = 565psi. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 132 -503 B - C 132 -503

Lumber

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

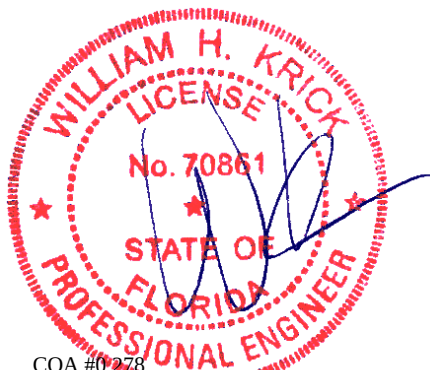
Wind

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 15'-1-3/4".



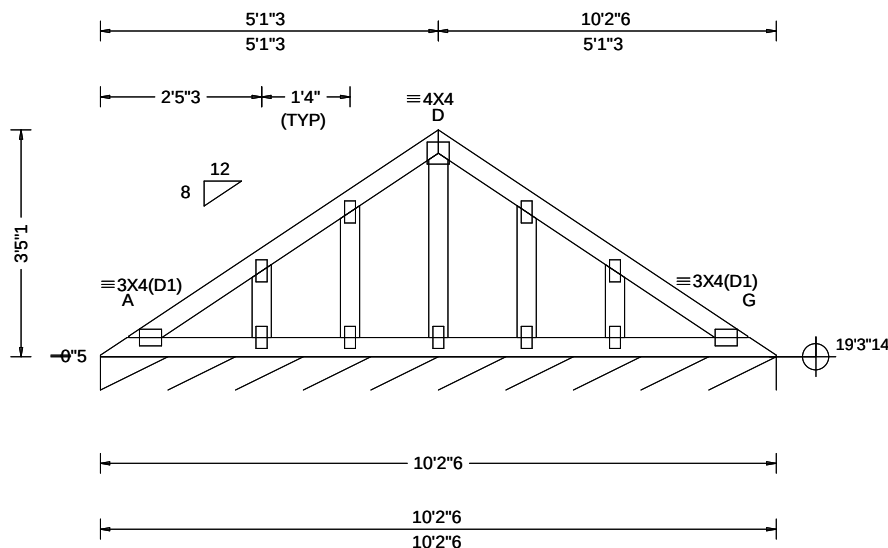
COA #0278

06/26/2026
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 748920 FROM: RFG	GABL Ply: 1 Qty: 1	Job Number: 26-3564 BRYCE Truss Label: R1E	Cust: R 215 JRef: 1YLa2150009 T22 DrwNo: 176.26.1331.54913 KD / WHK 06/25/2026
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
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: Enclosed Risk Category: II EXP: B Kzt: NA Mean Height: 21.19 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.003 G 999 360 VERT(CL): 0.004 G 999 240 HORZ(LL): -0.002 G - - HORZ(TL): 0.002 A - - Creep Factor: 2.0 Max TC CSI: 0.103 Max BC CSI: 0.082 Max Web CSI: 0.043 VIEW Ver: 24.02.00D.0114.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A* 152 /- /- /65 /34 /12 Wind reactions based on MWFRS A Brg Wid = 122 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 4.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

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

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 14'-8-15."



COA #0278

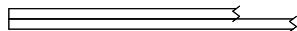
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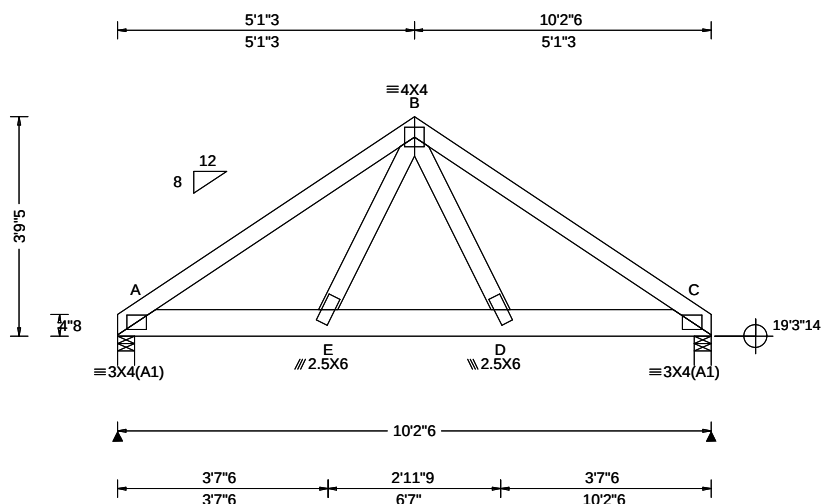
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Glenview, IL 60025

SEQN: 748689 FROM: RFG	COMN Ply: 2 Qty: 1	Job Number: 26-3564 BRYCE Truss Label: R1G	Cust: R 215 JRef: 1YLa2150009 T18 DrwNo: 176.26.1315.17607 KD / WHK 06/25/2026
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
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 Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: B Kzt: NA Mean Height: 21.40 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.016 D 999 360 VERT(CL): 0.031 D 999 240 HORZ(LL): 0.003 C - - HORZ(TL): 0.006 C - - Creep Factor: 2.0 Max TC CSI: 0.159 Max BC CSI: 0.164 Max Web CSI: 0.264 VIEW Ver: 24.02.00D.0114.10	Gravity Loc R+ / R- / Rh / Rw / U / RL A 2028 -/- /- /32 -/ C 2159 -/- /- /29 -/ Wind reactions based on MWFRS A Brg Wid = 3.5 Min Req = 1.5 (Support) C Brg Wid = 3.5 Min Req = 1.5 (Support) Bearings A & C Fcperp = 565psi. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 21 -1294 B - C 21 -1309

Lumber

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

Nailnote

Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 4.50" 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 64 plf at 0.00 to 64 plf at 10.20
BC: From 10 plf at 0.00 to 10 plf at 10.20
BC: 687 lb Conc. Load at 1.39, 3.39, 5.39, 7.13
9.13

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
15-1-3.



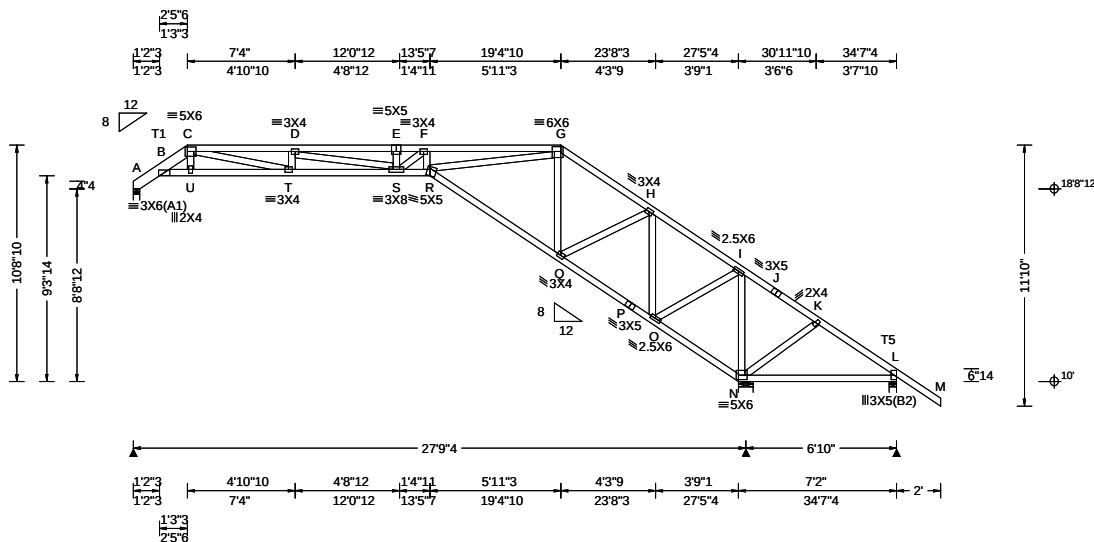
COA #0278

06/26/2026
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SEQN: 748931 FROM: RFG	COMN Ply: 1 Qty: 2	Job Number: 26-3564 BRYCE Truss Label: S1	Cust: R 215 JRef: 1YLa2150009 T29 DrwNo: 176.26.1315.38410 KD / WHK 06/25/2026
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
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: 16.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.46 ft Loc. from endwall: not in 9.00 ft GCp: 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): 0.266 E 999 360 VERT(CL): 0.362 E 899 240 HORZ(LL): 0.194 N - - HORZ(TL): 0.266 N - - Creep Factor: 2.0 Max TC CSI: 0.536 Max BC CSI: 0.534 Max Web CSI: 0.537 VIEW Ver: 24.02.00D.0114.10	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A 456 /- /- /231 /- /131 N 2504 /- /- /1332 /- /- L - /-1052 /- /- /520 /- Wind reactions based on MWFRS A Brg Wid = 3.5 Min Req = 1.5 (Truss) N Brg Wid = 8.0 Min Req = 3.0 (Truss) L Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings A, N, & 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.

Lumber

Top chord: 2x4 SP #2; T1 2x6 SP 2400f-2.0E;
T5 2x4 SP 2400f-2.0E;
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

Negative reaction(s) of -1052# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

The overall height of this truss excluding overhang is 1-4-12.

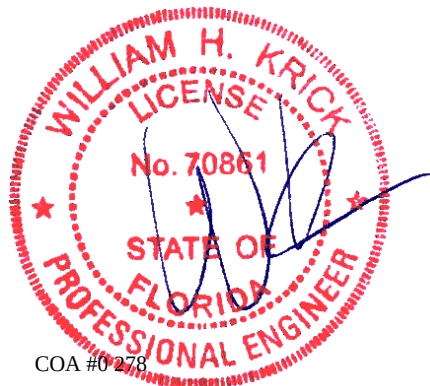
B - C	180	-906	G - H	392	0
C - D	329	-1637	H - I	1196	-100
D - E	243	-1401	I - J	2057	-217
E - F	243	-1401	J - K	2018	-226
F - G	156	-1082	K - L	1924	-222

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.	
B - U	925	0	Q - P	240	-1119
U - T	908	0	P - O	225	-1129
T - S	1666	-160	O - N	322	-2089
S - R	1185	-8	N - L	215	-1534
R - Q	200	-381			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens. Comp.	
C - T	746	-173	Q - H	735	-52
F - R	159	-402	H - O	118	-962
R - G	1385	-115	O - I	885	-80
Q - G	98	-667	N - I	140	-1079



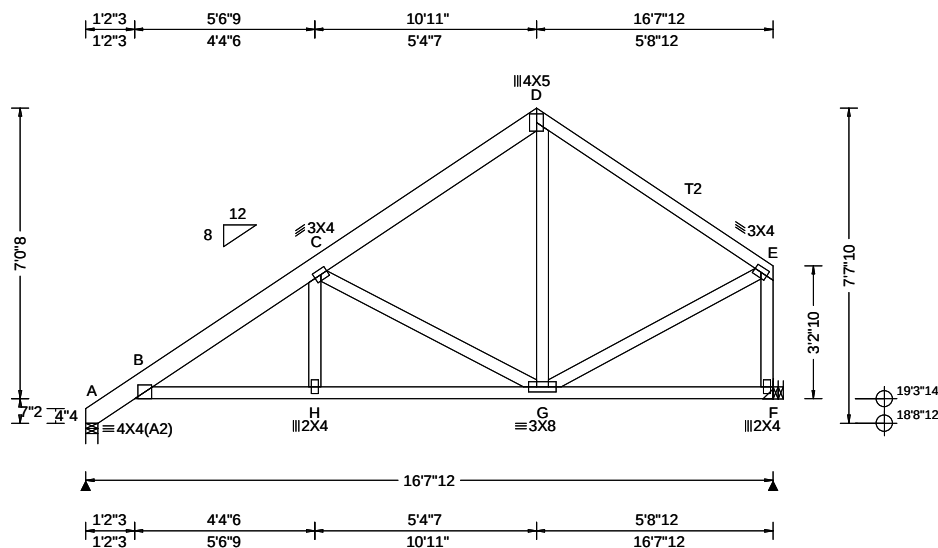
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AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 748680 FROM: RFG	COMN Ply: 1 Qty: 5	Job Number: 26-3564 BRYCE Truss Label: T1	Cust: R 215 JRef: 1YLa2150009 T20 DrwNo: 176.26.1315.40630 KD / WHK 06/25/2026
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
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: Enclosed Risk Category: II EXP: B Kzt: NA Mean Height: 22.72 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.038 H 999 360 VERT(CL): 0.079 H 999 240 HORZ(LL): 0.029 F - - HORZ(TL): 0.059 F - - Creep Factor: 2.0 Max TC CSI: 0.410 Max BC CSI: 0.390 Max Web CSI: 0.397 VIEW Ver: 24.02.00D.0114.10	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A 689 /- /- /392 /- /143 F 687 /- /- /381 /- /- Wind reactions based on MWFRS A Brg Wid = 3.5 Min Req = 1.5 (Truss) F Brg Wid = - Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 94 -1029 D - E 105 -586 C - D 111 -598

Lumber

Top chord: 2x6 SP 2400F-2.0E; T2 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 7'-0-8.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - H	885 -119	H - G	882 -118

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - G	115 -534	E - F	100 -640
G - E	456 -15		



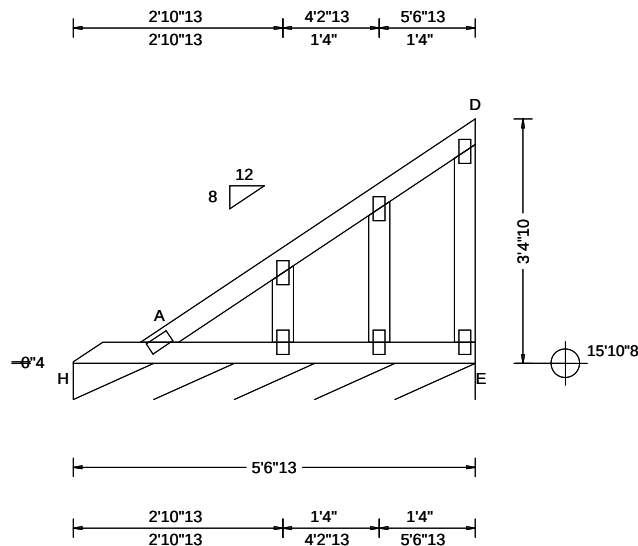
COA #0278

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

SEQN: 748914 FROM: RFG	GABL Ply: 1 Qty: 2	Job Number: 26-3564 BRYCE Truss Label: V1	Cust: R 215 JRef: 1YLa2150009 T3 DrwNo: 176.26.1315.43697 KD / WHK 06/25/2026
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
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: Enclosed Risk Category: II EXP: B Kzt: NA Mean Height: 17.71 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.001 C 999 360 VERT(CL): 0.001 C 999 240 HORZ(LL): 0.000 C - - HORZ(TL): 0.003 D - - Creep Factor: 2.0 Max TC CSI: 0.071 Max BC CSI: 0.038 Max Web CSI: 0.104 VIEW Ver: 24.02.00D.0114.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 146 /- /- /76 /26 /39 Wind reactions based on MWFRS E Brg Wid = 66.8 Min Req = - Bearing H is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 4.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

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.

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



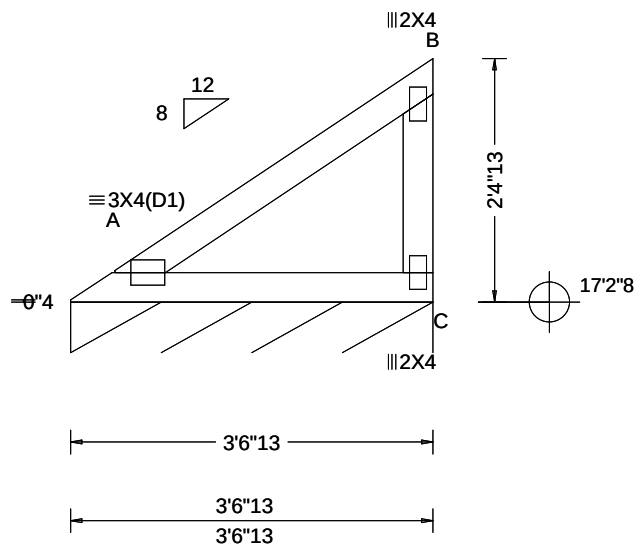
COA #0278

06/26/2026
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Glenview, IL 60025

SEQN: 748916 FROM: RFG	VAL	Ply: 1 Qty: 2	Job Number: 26-3564 BRYCE Truss Label: V2	Cust: R 215 JRef: 1YLa2150009 T4 DrwNo: 176.26.1315.45767 KD / WHK 06/25/2026
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
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: Enclosed Risk Category: II EXP: B Kzt: NA Mean Height: 18.57 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	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): 0.002 A - - HORZ(TL): 0.004 A - - Creep Factor: 2.0 Max TC CSI: 0.146 Max BC CSI: 0.122 Max Web CSI: 0.053 VIEW Ver: 24.02.00D.0114.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 84 /- /- /50 /- /14 Wind reactions based on MWFRS C Brg Wid = 42.8 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

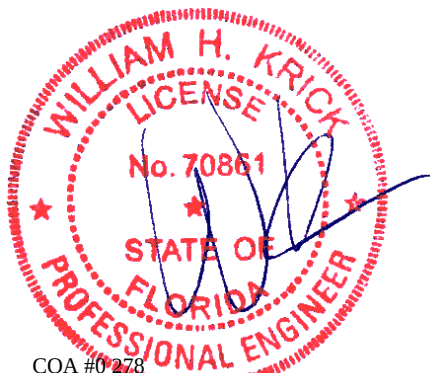
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.
The overall height of this truss excluding overhang is 2-4-13.



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Glenview, IL 60025

CLR Reinforcing Member Substitution

This detail is to be used for ANSI/TPI 1-2014 standards and older when a Continuous Lateral Restraint (CLR) is specified on a truss design and 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-reinforcement 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.

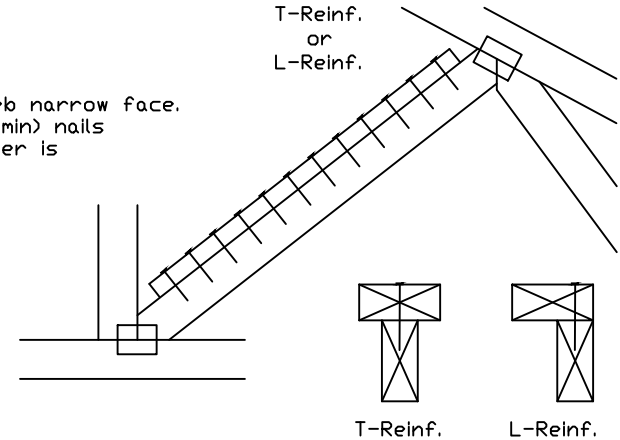
Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf.	Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6

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.

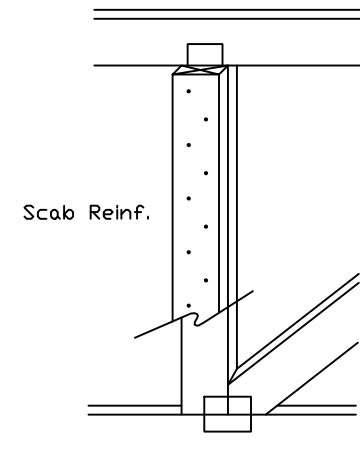
T-Reinforcement or L-Reinforcement:

Apply to either side of web narrow face. Attach with 10d (0.131"x3.0",min) nails at 6' o.c. Reinforcing member is a minimum 80% of web member length.



Scab Reinforcement:

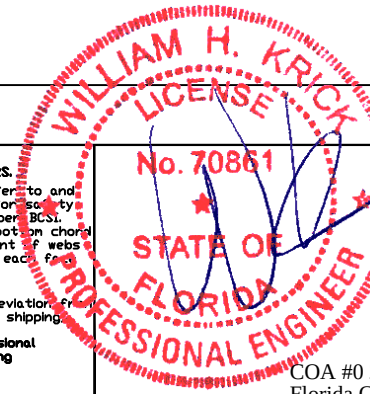
Apply scab(s) to wide face of web. No more than (1) scab per face. Attach with 10d (0.131"x3.0",min) nails at 6' o.c. Reinforcing member is a minimum 80% of web member length.



Rev: 01/23/26



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



TC LL	PSF	REF	CLR Subst.
TC DL	PSF	DATE	01/02/19
BC DL	PSF	DRWG	BRCLBSUB0119
BC LL	PSF		
TOT. LD.	PSF		
DUR. FAC.			
COA #0 278			
Florida Certified			
Product Approval #FL 1999			

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

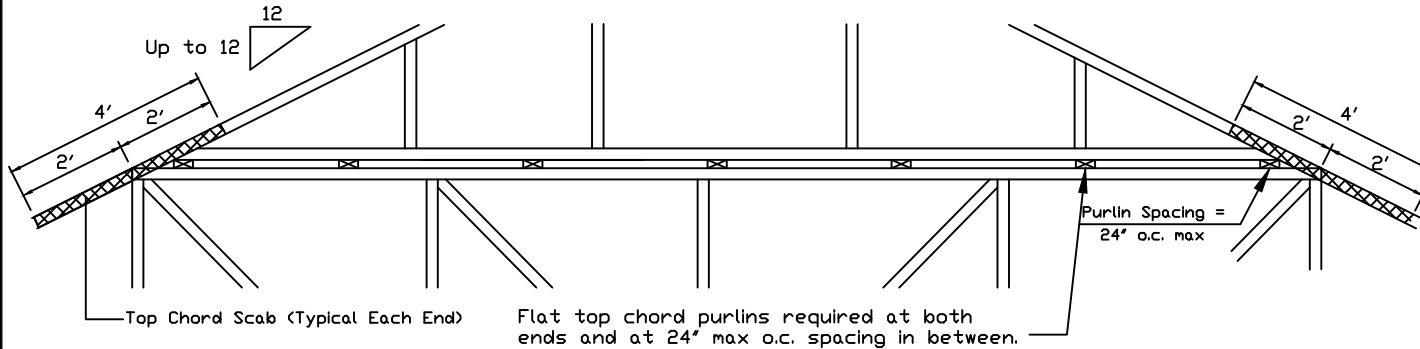
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-22, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0.
Or 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-22, Enclosed Bldg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

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

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

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

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

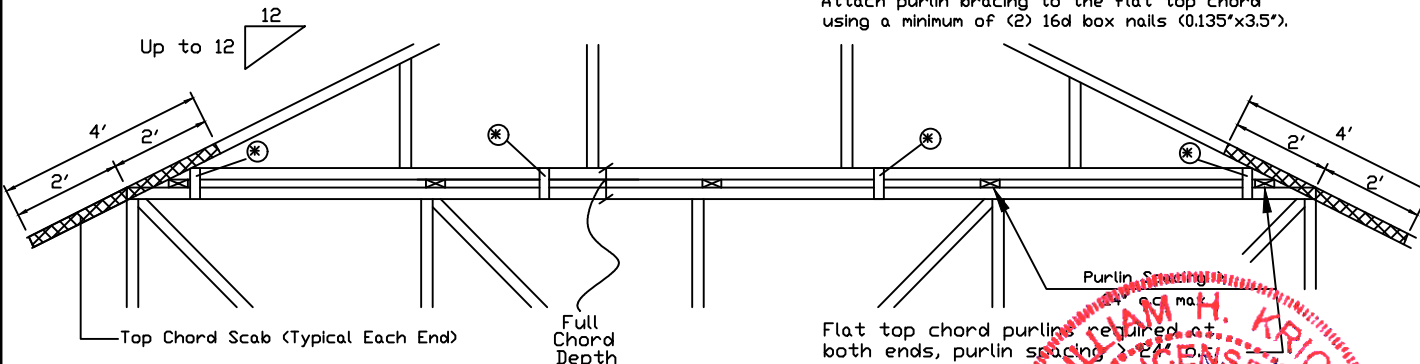


Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

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

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

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



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

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

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

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

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

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

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

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

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

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

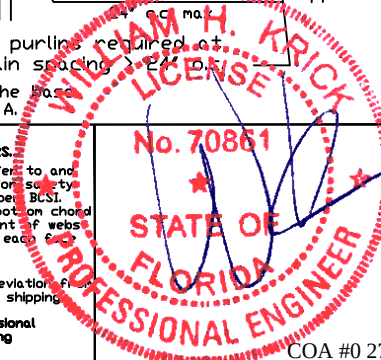
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

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



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



COA #0 278

Florida Certified Professional Engineer

06/26/2026

SRAC Inc. Product Approval #FL 1999

REF PIGGYBACK
DATE 07/03/2023
DRWG PB160220723

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

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

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

Bottom chord may be square or pitched cut as shown.

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

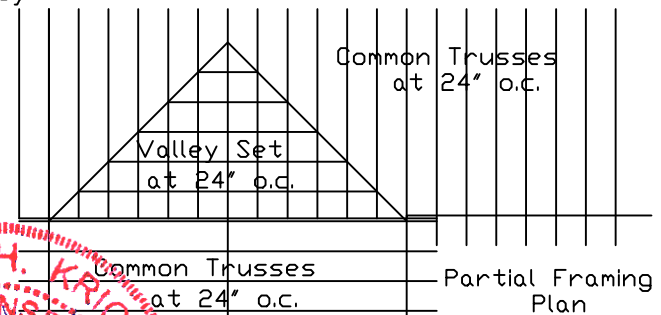
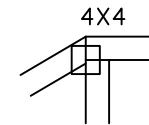
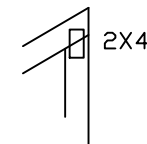
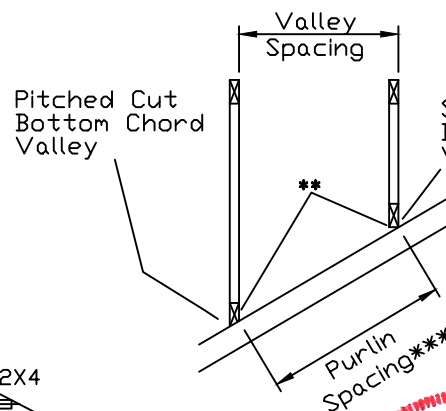
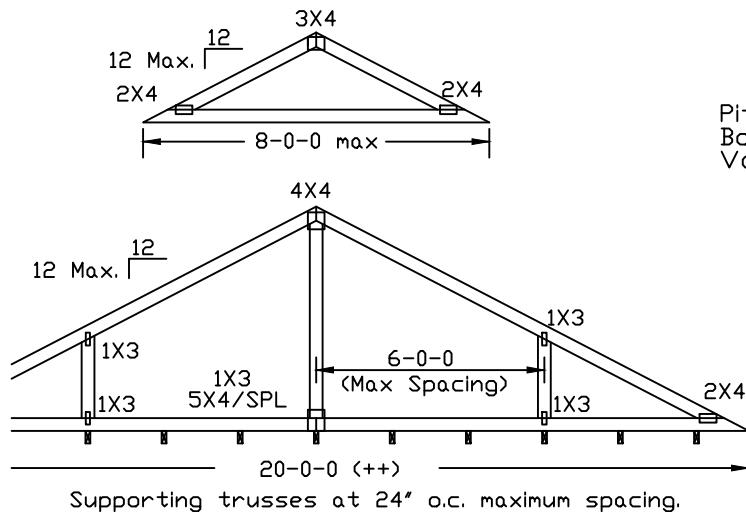
All plates shown are Alpine Wave Plates.

Unless specified otherwise on engineer's sealed design, for vertical valley webs taller than 7'-9" apply 2x4 "T" reinforcement, 80% length of web, same species and grade or better, attached with 10d box (0.131" x 3.0") nails at 6" o.c. In lieu of "T" reinforcement, 2x4 Continuous Lateral Restraint applied at mid-length of web is permitted with diagonal bracing as shown in DRWG BRCLBANC1014.

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

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

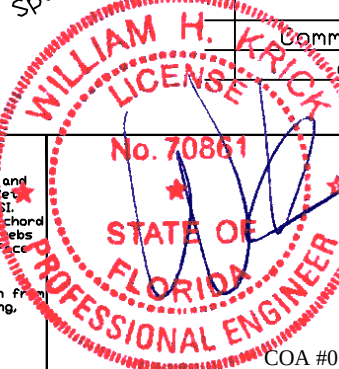
++ Larger spans may be built as long as the vertical height does not exceed 14'-0".



Rev: 01/23/26



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



TC LL	30	30	40PSF	REF	VALLEY DETAIL
TC DL	20	15	7PSF	DATE	07/03/2023
BC DL	10	10	10 PSF	DRWG	VAL180220723
BC LL	0	0	0PSF		
TOT. LD.	60	55	57PSF		
BUR. FAC.	28	25	1.15	SPACING	Product 2400
COA #0278				Florida Certified	Approval #FL 1999

TC LL	30	30	40PSF	REF	VALLEY DETAIL
TC DL	20	15	7 PSF	DATE	07/03/2023
BC DL	10	10	10 PSF	DRWG	VALTN220723
BC LL	0	0	0 PSF		
TOT. LD.	60	55	57PSF		
06/26/2026					
DURFAC 1.25/1.33/1.5/1.5			1999		
SPACING 24.0"					