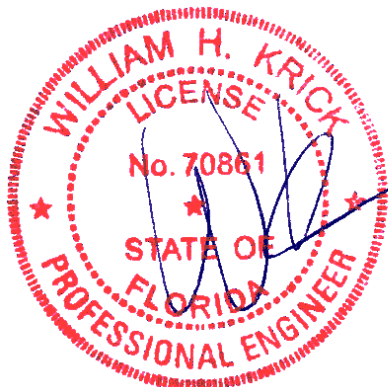




Alpine, an ITW Company
 155 Harlem Ave
 North Building, 4th Floor
 Glenview, IL 60025
 Phone: (800)755-6001
 www.alpineitw.com



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COA #0 278

Florida Certificate of Product Approval #FL 1999

03/05/2026

Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 26-3646
Job Description: Lot 6 Hills of Huntsville - Gonzalez	
Address: FL	

Job Engineering Criteria:	
Design Code: FBC 8th Ed. 2023 Res.	IntelliVIEW Version: 24.02.00D JRef #: 1YI52150004
Wind Standard: ASCE 7-22 Wind Speed (mph): 130	Design Loading (psf): 40
Building Type: Enclosed	

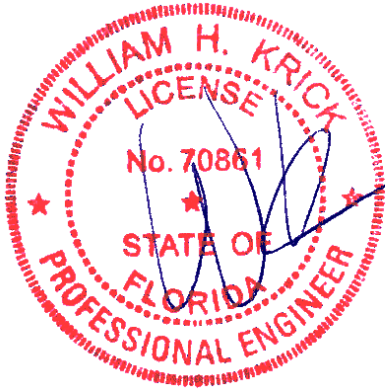
This package contains general notes pages, 52 truss drawing(s) and 2 detail(s).

Item	Drawing Number	Truss
1	063.26.1022.33917	A01
3	063.26.1023.33983	A03
5	063.26.1023.39650	A05
7	063.26.1023.49867	A07
9	063.26.1024.09207	A09
11	063.26.1024.19020	A11
13	063.26.1024.25777	A13
15	063.26.1027.10713	A15
17	063.26.1027.29507	A17
19	063.26.1027.41710	A19
21	063.26.1027.52457	A21
23	063.26.1028.01667	A23
25	063.26.1024.55097	A25
27	063.26.1024.58613	B02
29	063.26.1025.25037	B04
31	063.26.1025.30560	C01
33	063.26.1025.42147	C03
35	063.26.1025.47110	D01
37	063.26.1025.59840	D03
39	063.26.1026.22297	HJ02
41	063.26.1026.41267	HJ04
43	063.26.1026.45433	J02
45	063.26.1026.49980	J04
47	063.26.1026.53337	J06
49	063.26.1026.57623	J08

Item	Drawing Number	Truss
2	063.26.1023.30127	A02
4	063.26.1023.36957	A04
6	063.26.1023.46563	A06
8	063.26.1024.02623	A08
10	063.26.1024.14280	A10
12	063.26.1024.22210	A12
14	063.26.1024.28770	A14
16	063.26.1027.20800	A16
18	063.26.1027.34690	A18
20	063.26.1027.47333	A20
22	063.26.1027.57510	A22
24	063.26.1030.34583	A24
26	063.26.1024.57170	B01
28	063.26.1025.15433	B03
30	063.26.1025.28273	B05
32	063.26.1025.39747	C02
34	063.26.1025.44517	C04
36	063.26.1025.49963	D02
38	063.26.1026.07220	HJ01
40	063.26.1026.34110	HJ03
42	063.26.1026.43140	J01
44	063.26.1026.48097	J03
46	063.26.1026.51697	J05
48	063.26.1026.55133	J07
50	063.26.1027.00990	PB01



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Site Information:	Page 2:
Customer: W. B. Howland Company, Inc.	Job Number: 26-3646
Job Description: Lot 6 Hills of Huntsville - Gonzalez	
Address: FL	

Item	Drawing Number	Truss
51	063.26.1027.02937	PB02
53	BRCLBSUB0119	

Item	Drawing Number	Truss
52	063.26.1027.05510	PB03
54	PB160220723	

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 TCLL, TCDL, BCLL and BCDL Design Load in pounds per square foot.

FRT = Fire Retardant Treated lumber.

FRT-BF = Borafire 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.

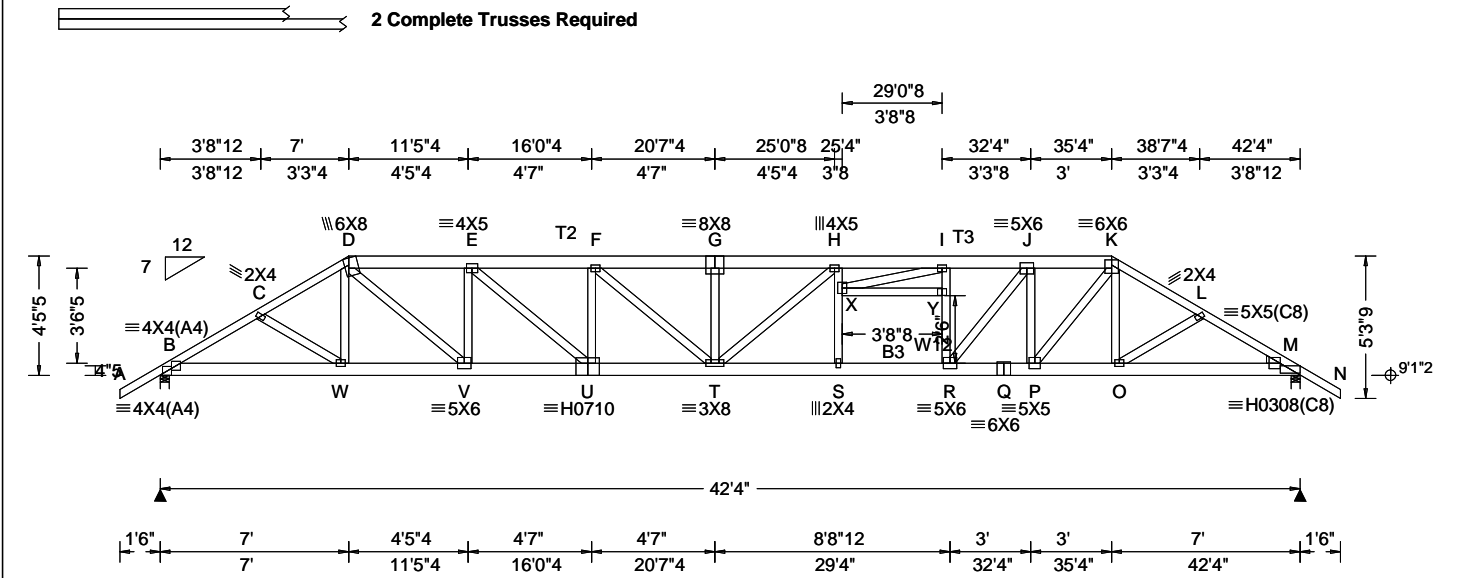
W = Width of non-hanger bearing, in inches.

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 Catocin 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) TCCL: 20.00 TCCL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 4.23 ft Loc. from endwall: not in 6.50 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.404 G 999 240 VERT(CL): 0.808 G 624 180 HORZ(LL): 0.086 D - - HORZ(TL): 0.172 D - - Creep Factor: 2.0 Max TC CSI: 0.592 Max BC CSI: 0.704 Max Web CSI: 0.903 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 4907 - / - / - / - /1023 -/ M 4975 - / - / - / - /1025 -/ Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 2.0 (Truss) M Brg Wid = 4.0 Min Req = 2.1 (Truss) Bearings B & M are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.
				B - C 940 -4486 H - I 1410 -6912 C - D 919 -4449 I - J 1323 -6514 D - E 1149 -5566 J - K 1034 -5069 E - F 1383 -6716 K - L 921 -4508 F - G 1512 -7354 L - M 942 -4546 G - H 1512 -7354

Lumber
 Top chord: 2x4 SP M-31; T2,T3 2x6 SP 2400f-2.0E;
 Bot chord: 2x6 SP 2400f-2.0E; B3 2x4 SP #2;
 Webs: 2x4 SP #3; W12 2x4 SP #2;
 Rt Wedge: 2x4 SP #3;

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

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

Plating Notes
 All plates are 3X4 except as noted.

Loading
 BC attic loading: LL = 20.00 psf; DL = 5.00 psf; from 25-4-0 to 29-0-8.

Purlins
 In lieu of structural panels use purlins to brace all flat TC @ 24" oc.
 Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

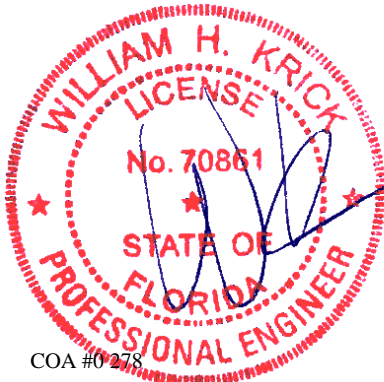
Wind
 Wind loads and reactions based on MWFRS.
 Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - W	3833 -798	S - R	6676 -1361
W - V	3834 -793	R - Q	5197 -1062
V - U	5665 -1174	Q - P	5197 -1062
U - T	6777 -1400	P - O	3886 -794
T - S	6743 -1378	O - M	3885 -801

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
D - V	2369 -486	X - I	553 -115
V - E	353 -1379	I - Y	267 -1041
E - U	1434 -285	Y - R	274 -1075
U - F	234 -836	R - J	2261 -448
F - T	774 -151	J - P	398 -1772
G - T	219 -625	P - K	2040 -413
T - H	821 -180		



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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: 436579	HIPS	Ply: 2	Job Number: 26-3646	Cust: R215 JRef: 1Y152150004 T19
FROM: CDM		Qty: 1	Lot 6 Hills of Huntsville - Gonzalez	DrwNo: 063.26.1022.33917
Page 2 of 2			Truss Label: A01	KD / WHK 03/04/2026

Special loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
 TC: From 63 plf at -1.50 to 63 plf at 43.83
 PLT: From 2 plf at 25.33 to 2 plf at 29.04
 PLT: From 50 plf at 25.33 to 50 plf at 29.04
 BC: From 5 plf at -1.50 to 5 plf at 0.00
 BC: From 20 plf at 0.00 to 20 plf at 42.33
 BC: From 5 plf at 42.33 to 5 plf at 43.83
 TC: 268 lb Conc. Load at 7.03,35.30
 TC: 190 lb Conc. Load at 9.06,11.06,13.06,15.06
 17.06,19.06,21.06,21.94,23.27,25.27,27.27,29.27
 31.27,33.27
 BC: 474 lb Conc. Load at 7.03,35.30
 BC: 130 lb Conc. Load at 9.06,11.06,13.06,15.06
 17.06,19.06,21.06,21.94,23.27,25.27,27.27,29.27
 31.27,33.27
 BC: 5 lb Conc. Load at 25.33,29.04

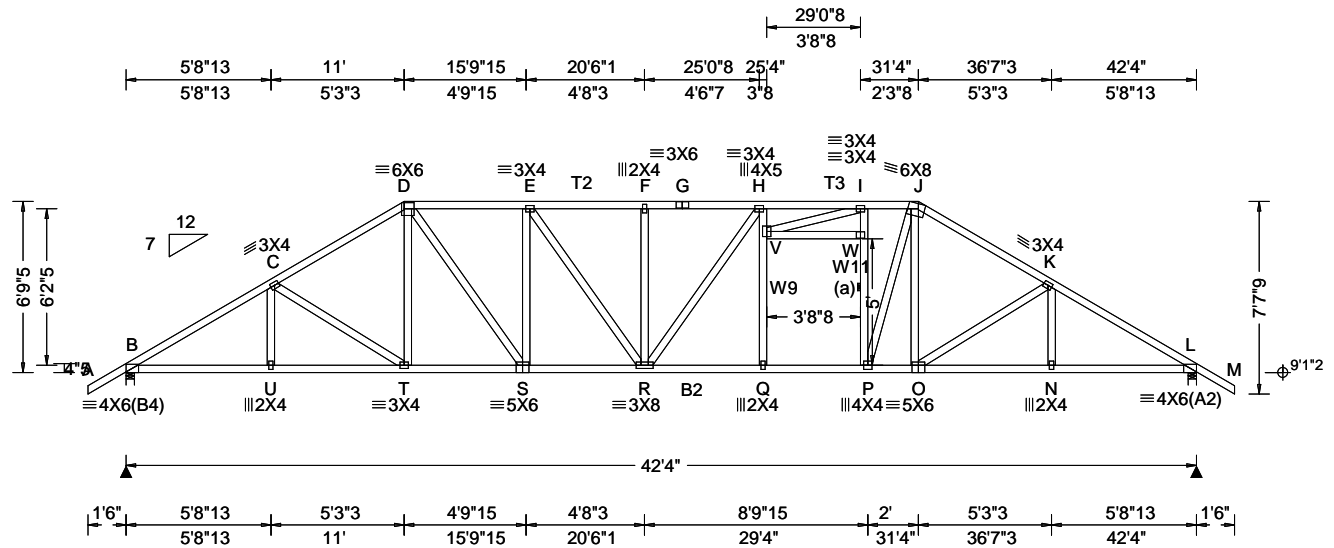


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 For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org





Loading Criteria (psf) TCCL: 20.00 TCCL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 4.23 ft Loc. from endwall: not in 6.50 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.349 Q 999 240 VERT(CL): 0.700 H 720 180 HORZ(LL): 0.135 W - - HORZ(TL): 0.295 W - - Creep Factor: 2.0 Max TC CSI: 0.593 Max BC CSI: 0.842 Max Web CSI: 0.946 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1938 - / - / - /1014 /334 /178 L 1999 - / - / - /1014 /334 - Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 2.3 (Truss) L Brg Wid = 4.0 Min Req = 2.4 (Truss) Bearings B & L are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.
				Lumber Top chord: 2x4 SP #2; T2,T3 2x4 SP M-31; Bot chord: 2x4 SP #2; B2 2x4 SP M-31; Webs: 2x4 SP #3; W9,W11 2x4 SP #2;

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

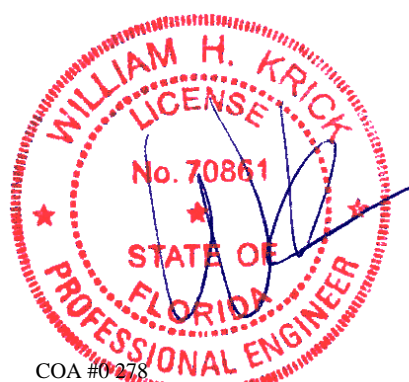
Loading
BC attic loading: LL = 20.00 psf; DL = 5.00 psf; from 25-4-0 to 29-0-8.

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

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

Additional Notes
The overall height of this truss excluding overhang is 6-9-5.

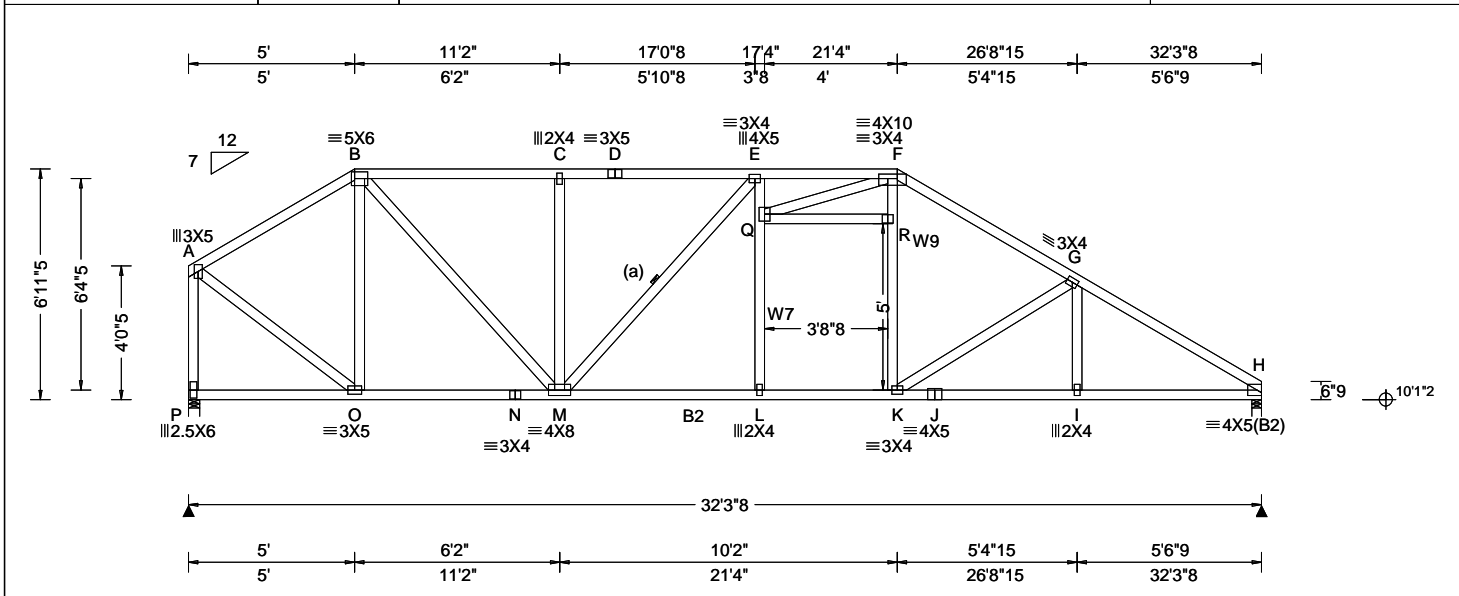
Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - U	2621 -647	Q - P	2884 -683
U - T	2620 -649	P - O	2406 -528
T - S	2317 -550	O - N	2724 -634
S - R	2846 -733	N - L	2726 -633
R - Q	2931 -701		
Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
C - T	141 -378	V - I	676 -210
D - S	855 -296	I - W	306 -730
S - E	296 -626	W - P	314 -761
E - R	546 -160	P - J	1467 -439
F - R	221 -424	O - K	148 -396
R - H	462 -191		



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Loading Criteria (psf) TCCL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.23 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.356 L 999 240 VERT(CL): 0.403 L 960 180 HORZ(LL): 0.218 K - - HORZ(TL): 0.262 K - - Creep Factor: 2.0 Max TC CSI: 0.689 Max BC CSI: 0.883 Max Web CSI: 0.867 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs) <table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>P</td> <td>1426</td> <td>-</td> <td>-</td> <td>/699</td> <td>/245</td> <td>/165</td> </tr> <tr> <td>H</td> <td>1472</td> <td>-</td> <td>-</td> <td>/789</td> <td>/226</td> <td>-</td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	P	1426	-	-	/699	/245	/165	H	1472	-	-	/789	/226	-
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Lumber
 Top chord: 2x4 SP #2;
 Bot chord: 2x4 SP #2; B2 2x4 SP M-31;
 Webs: 2x4 SP #3; W7,W9 2x4 SP #2;

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

Loading
 BC attic loading: LL = 20.00 psf; DL = 5.00 psf; from 17-4-0 to 21-0-8.

Purlins
 In lieu of structural panels use purlins to brace all flat TC @ 24" oc.
 Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

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

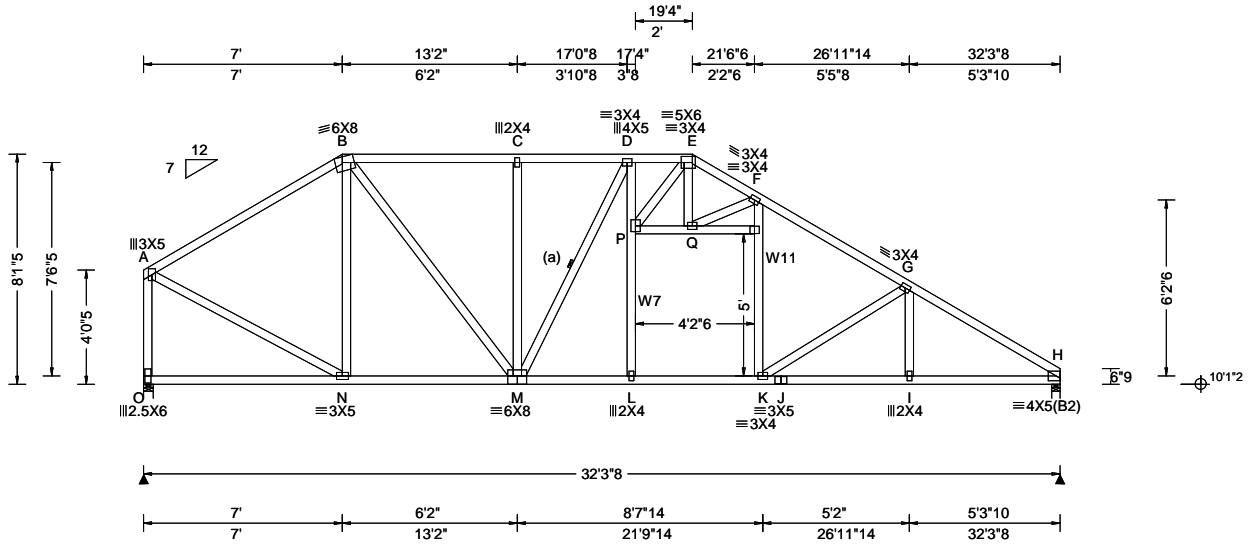
Additional Notes
 The overall height of this truss excluding overhang is 6-11-5.



COA #0278
 03/05/2026
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Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W7,W11 2x4 SP #2;

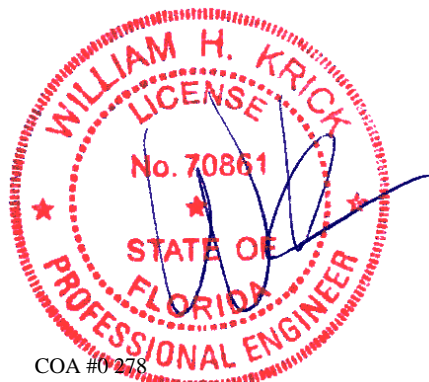
Bracing
(a) Continuous lateral restraint equally spaced on member.

Loading
BC attic loading: LL = 20.00 psf; DL = 5.00 psf; from 17-4-0 to 21-6-6.

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

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

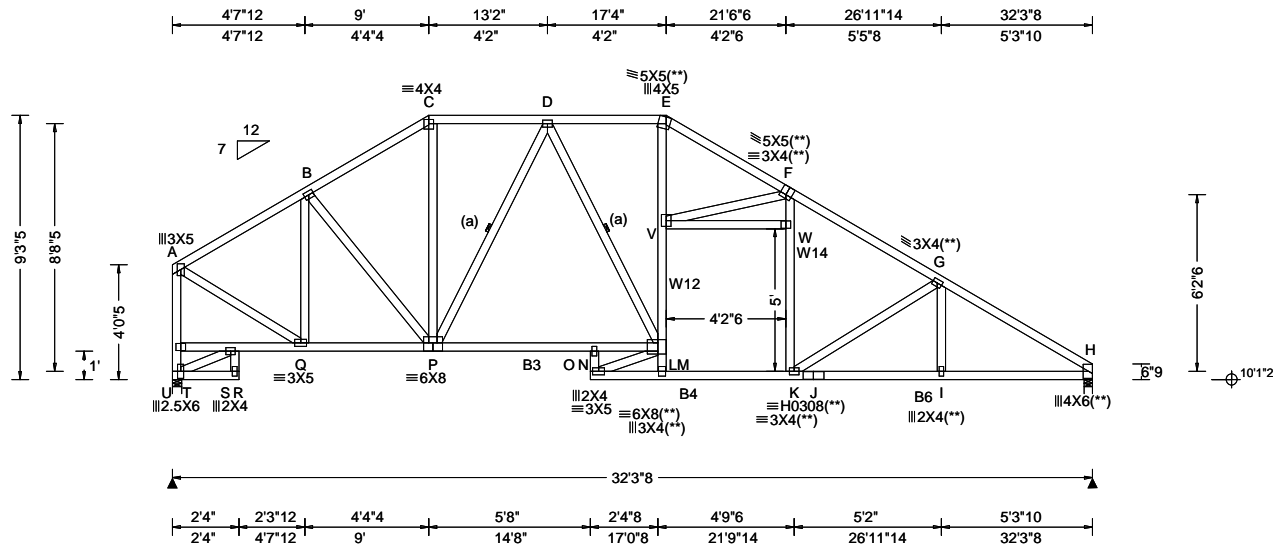
Additional Notes
The overall height of this truss excluding overhang is 8-1-5.



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Lumber
 Top chord: 2x4 SP #2;
 Bot chord: 2x4 SP #2; B3,B4,B6 2x4 SP M-31;
 Webs: 2x4 SP #3; W12,W14 2x4 SP M-31;

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

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

Loading
 BC attic loading: LL = 20.00 psf; DL = 5.00 psf; from 17-4-0 to 21-6-6.

Purlins
 In lieu of structural panels use purlins to brace all flat TC @ 24" oc.
 Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

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

Additional Notes

The overall height of this truss excluding overhang is 9-3-5.

WILLIAM H. KRICK
 LICENSE
 No. 70861
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

COA #0278
 03/05/2026

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
Q - P	1088 -162	M - K	1552 -294
P - N	1425 -278	K - J	2039 -455
O - M	1451 -352	J - I	2039 -455
N - L	1443 -285	I - H	2042 -454

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - T	417 -1371	O - L	386 -1579
A - Q	1209 -327	L - M	755 -69
U - T	390 -1387	V - E	440 -86
Q - B	260 -615	V - F	229 -738
C - P	464 -120	V - W	520 -140
P - D	196 -436	K - G	180 -486

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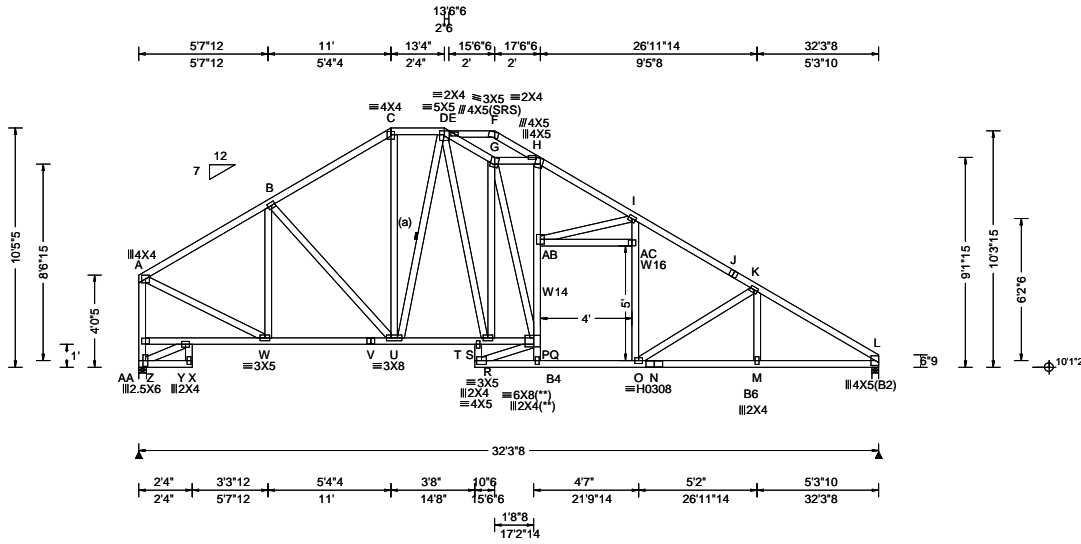
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ALPINE
 AN ITW COMPANY

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



Loading Criteria (psf) TCLL: 20.00 TCCL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.59 ft TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.23 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg, Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE, HS	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.332 AC 999 240 VERT(CL): 0.631 AC 613 180 HORZ(LL): -0.186 AC - - HORZ(TL): 0.349 AC - - Creep Factor: 2.0 Max TC CSI: 0.604 Max BC CSI: 0.629 Max Web CSI: 0.609 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs) <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>AA</td> <td>1430</td> <td>-</td> <td>-</td> <td>720</td> <td>231</td> <td>255</td> </tr> <tr> <td>L</td> <td>1484</td> <td>-</td> <td>-</td> <td>801</td> <td>218</td> <td>-</td> </tr> </tbody> </table> <p>Wind reactions based on MWFRS AA Brg Wid = 4.0 Min Req = 1.7 (Truss) L Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings AA & L are a rigid surface. Maximum not listed have forces less than 375#</p> Maximum Top Chord Forces Per Ply (lbs) <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Chords</th> <th>Tens.Comp.</th> <th>Chords</th> <th>Tens. Comp.</th> </tr> </thead> <tbody> <tr> <td>A - B</td> <td>348 - 1406</td> <td>H - I</td> <td>436 - 1467</td> </tr> <tr> <td>B - C</td> <td>478 - 1472</td> <td>I - J</td> <td>489 - 1997</td> </tr> <tr> <td>C - D</td> <td>451 - 1195</td> <td>J - K</td> <td>463 - 2027</td> </tr> <tr> <td>D - E</td> <td>532 - 1615</td> <td>K - L</td> <td>521 - 2443</td> </tr> <tr> <td>E - G</td> <td>424 - 1424</td> <td></td> <td></td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	AA	1430	-	-	720	231	255	L	1484	-	-	801	218	-	Chords	Tens.Comp.	Chords	Tens. Comp.	A - B	348 - 1406	H - I	436 - 1467	B - C	478 - 1472	I - J	489 - 1997	C - D	451 - 1195	J - K	463 - 2027	D - E	532 - 1615	K - L	521 - 2443	E - G	424 - 1424		
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Lumber
 Top chord: 2x4 SP #2;
 Bot chord: 2x4 SP #2; B4, B6 2x4 SP M-31;
 Webs: 2x4 SP #3; W14, W16 2x4 SP M-31;

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

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

Loading
 BC attic loading: LL = 20.00 psf; DL = 5.00 psf; from 17-6-6 to 21-6-6.

Purlins
 In lieu of structural panels use purlins to brace all flat TC @ 24" oc.
 Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

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

Additional Notes
 The overall height of this truss excluding overhang is 10-5-5.
 Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (if no rigid diaphragm exists at that point).

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
W - V	1165 - 112	R - P	1569 - 170
V - U	1165 - 112	Q - O	1568 - 204
U - S	1272 - 106	O - N	2023 - 372
T - Q	1930 - 329	N - M	2023 - 372
S - R	1361 - 119	M - L	2025 - 371

Maximum Web Forces Per Ply (lbs)

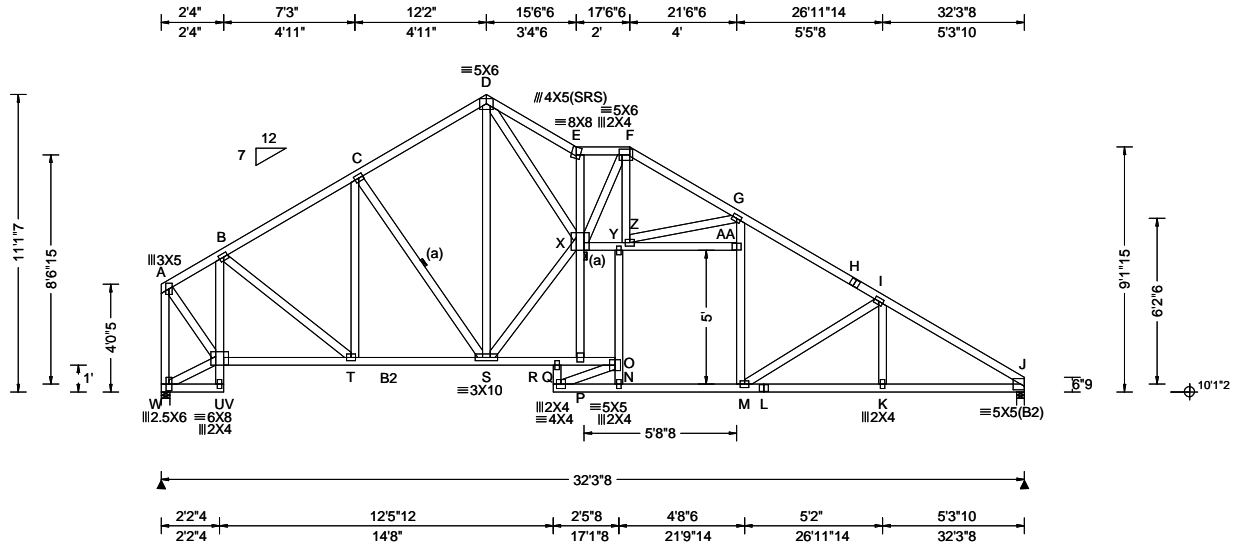
Webs	Tens.Comp.	Webs	Tens. Comp.
A - Z	353 - 1371	T - P	363 - 2152
A - W	1245 - 261	G - P	90 - 479
AA - Z	322 - 1382	G - H	346 - 1127
W - B	205 - 451	P - Q	506 - 46
C - U	461 - 107	AB - H	415 - 76
U - D	114 - 431	AB - I	264 - 859
D - R	962 - 223	AB - AC	480 - 144
T - S	613 - 80	O - K	186 - 458



COA #0278
 03/05/2026
 Florida Certificate of Product Approval #FL 1999

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Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.93 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.23 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.141 R 999 240 VERT(CL): 0.275 R 999 180 HORZ(LL): 0.080 J - - HORZ(TL): 0.157 J - - Creep Factor: 2.0 Max TC CSI: 0.656 Max BC CSI: 0.943 Max Web CSI: 0.651 VIEW Ver: 24.02.00D.0611.08	Maximum Reactions (lbs) Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity W 1500 - / - / 1716 / 27 / 275 J 1556 - / - / 1796 / 28 / - Wind reactions based on MWFRS W Brg Wid = 4.0 Min Req = 1.8 (Truss) J Brg Wid = 3.5 Min Req = 1.8 (Truss) Bearings W & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.
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Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;
Webs: 2x4 SP #3;

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

Plating Notes
All plates are 3X4 except as noted.

Loading
BC attic loading: LL = 20.00 psf; DL = 5.00 psf; from 15-9-14 to 21-6-6.

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

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

Additional Notes
The overall height of this truss excluding overhang is 11-1-7.

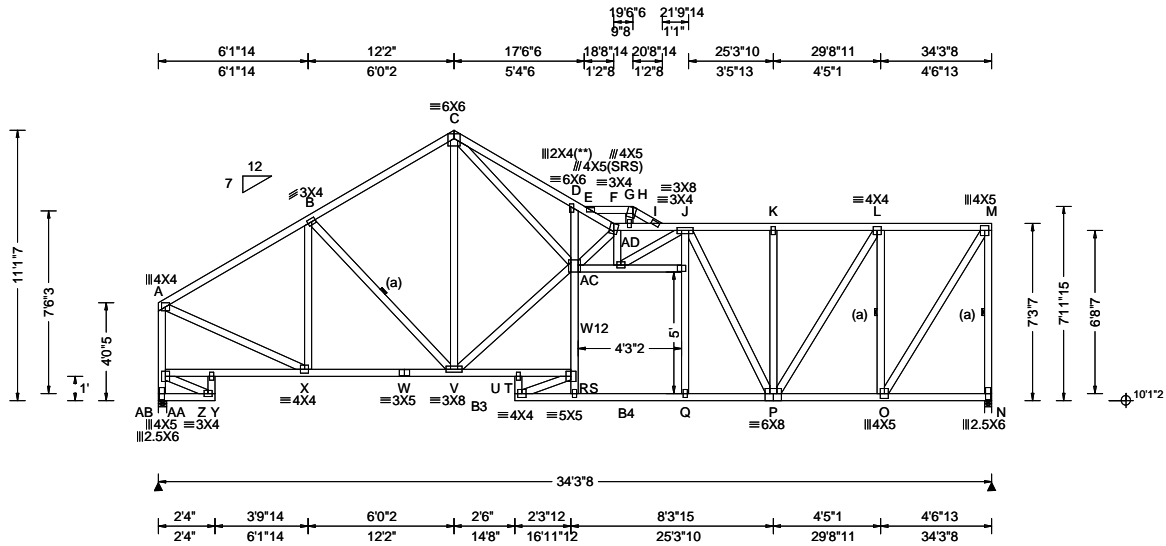


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Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
U - T	853 -174	P - N	1965 -249
T - S	1275 -67	O - M	1845 -236
S - Q	1848 -236	M - L	2102 -350
R - O	1743 -225	L - K	2102 -350
Q - P	1925 -245	K - J	2102 -349

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
A - W	265 -1471	E - X	317 -913
A - U	1267 -213	X - P	813 -82
U - B	264 -864	X - Y	260 -847
B - T	541 -93	X - F	631 -77
D - S	1059 -327	Y - N	147 -574
D - X	403 -101	Y - Z	252 -810
S - X	357 -1051	Z - G	265 -860
R - Q	617 -71	G - AA	396 -33
R - N	247 -1927	AA - M	387 -31



Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 17.67 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.43 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.250 U 999 240 VERT(CL): 0.500 U 823 180 HORZ(LL): 0.091 O - - HORZ(TL): 0.183 O - - Creep Factor: 2.0 Max TC CSI: 0.628 Max BC CSI: 0.802 Max Web CSI: 0.920 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs) Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity AB 1531 - / - / 792 / 51 / 189 N 1562 - / - / 741 / 213 / - Wind reactions based on MWFRS AB Brg Wid = 4.0 Min Req = 1.8 (Truss) N Brg Wid = 3.5 Min Req = 1.8 (Truss) Bearings AB & N are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 455 -1552 G - I 578 -1834 B - C 584 -1625 H - I 154 -457 C - D 678 -2010 I - J 695 -2203 D - E 527 -1842 J - K 586 -1539 E - F 425 -1526 K - L 586 -1539 E - H 151 -407 L - M 358 -889 F - G 574 -1799
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Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B3,B4 2x4 SP M-31;
Webs: 2x4 SP #3; W12 2x4 SP #2;

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

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

Loading
BC attic loading: LL = 20.00 psf; DL = 5.00 psf; from 17-3-4 to 21-6-6.

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

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

Additional Notes
The overall height of this truss excluding overhang is 11-1-7.
Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (if no rigid diaphragm exists at that point).

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
X - W	1285 -446	T - R	1959 -689
W - V	1285 -446	S - Q	1880 -663
V - T	1948 -686	Q - P	1883 -665
U - S	1602 -565	P - O	943 -384

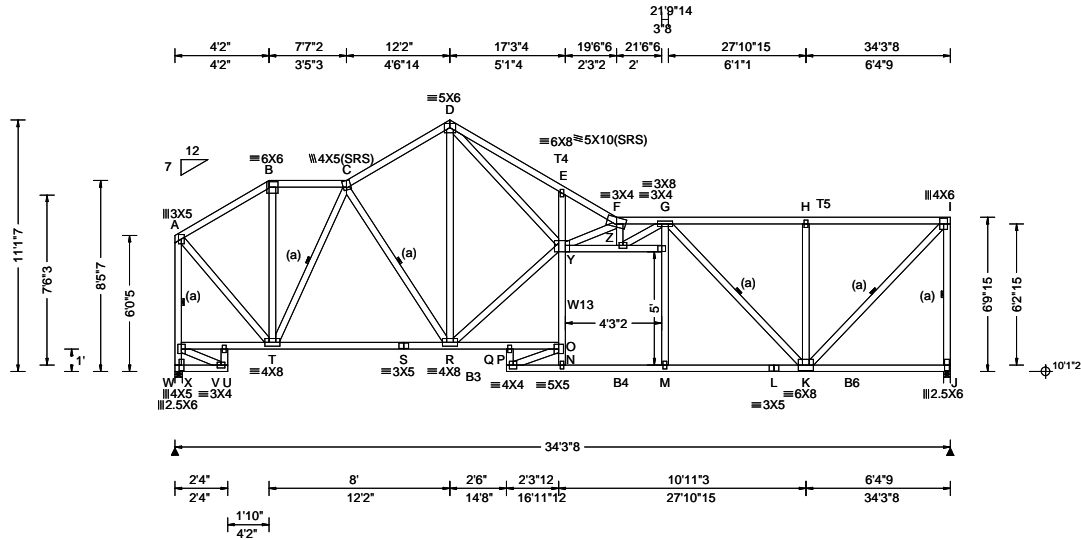
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - AA	430 -1458	AC - D	263 -432
A - X	1346 -329	AC - F	292 -749
AB-AA	404 -1507	AC-AD	522 -37
X - B	204 -491	AD - J	539 -31
C - V	1024 -381	J - P	172 -784
C - AC	651 -109	P - L	1143 -387
V - AC	382 -903	L - O	621 -1305
U - T	463 -160	O - M	1664 -671
U - R	606 -1719	M - N	673 -1527



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Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 18.67 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.43 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.255 Q 999 240 VERT(CL): 0.509 Q 807 180 HORZ(LL): 0.092 K - - HORZ(TL): 0.185 K - - Creep Factor: 2.0 Max TC CSI: 0.344 Max BC CSI: 0.854 Max Web CSI: 0.894 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs) Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity X 1531 - / - / /743 /59 /136 J 1562 - / - / /723 /214 - /- Wind reactions based on MWFRS X Brg Wid = 4.0 Min Req = 1.8 (Truss) J Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings X & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 372 - 1008 E - F 445 - 1671 B - C 371 - 826 F - G 795 - 2462 C - D 624 - 1586 G - H 542 - 1322 D - E 563 - 1706 H - I 542 - 1322
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Lumber
Top chord: 2x4 SP #2; T4,T5 2x4 SP M-31;
Bot chord: 2x4 SP #2; B3,B4,B6 2x4 SP M-31;
Webs: 2x4 SP #3; W13 2x4 SP #2;

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

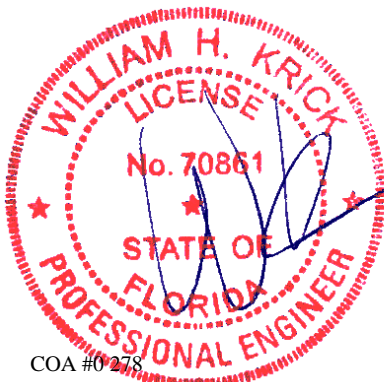
Plating Notes
All plates are 2X4 except as noted.

Loading
BC attic loading: LL = 20.00 psf; DL = 5.00 psf; from 17-3-4 to 21-6-6.

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

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

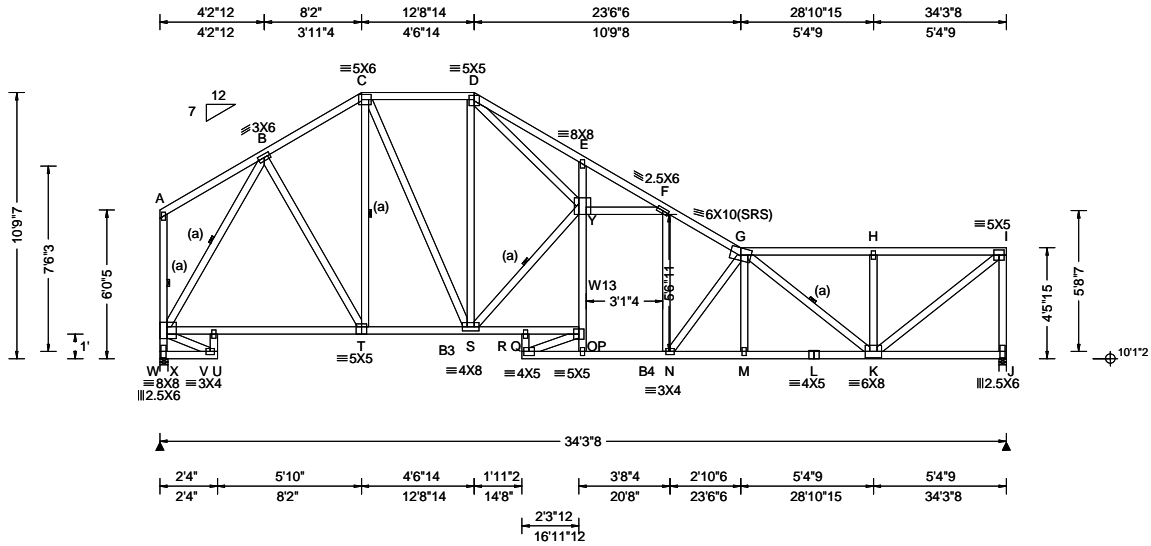
Additional Notes
The overall height of this truss excluding overhang is 11-1-7.



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Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 17.74 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.43 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.246 R 999 240 VERT(CL): 0.493 R 834 180 HORZ(LL): 0.111 C - - HORZ(TL): 0.226 C - - Creep Factor: 2.0 Max TC CSI: 0.567 Max BC CSI: 0.863 Max Web CSI: 0.968 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs) Gravity Loc R+ / R- / Rh / Rw / U / RL X 1509 - / - / /743 /268 /168 J 1527 - / - / /751 /263 - / Wind reactions based on MWFRS X Brg Wid = 4.0 Min Req = 1.8 (Truss) J Brg Wid = 3.5 Min Req = 1.8 (Truss) Bearings X & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 498 -1250 F - G 829 -2614 C - D 576 -1348 G - H 642 -1727 D - E 214 -750 H - I 642 -1726 E - F 102 -734
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Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B3,B4 2x4 SP M-31;
Webs: 2x4 SP #3; W13 2x4 SP #2;

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

Plating Notes
All plates are 2X4 except as noted.

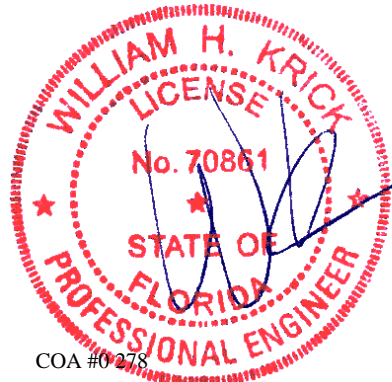
Loading
BC attic loading: LL = 20.00 psf; DL = 5.00 psf; from 17-3-4 to 20-4-8.

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

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

Additional Notes
The overall height of this truss excluding overhang is 10-9-7.

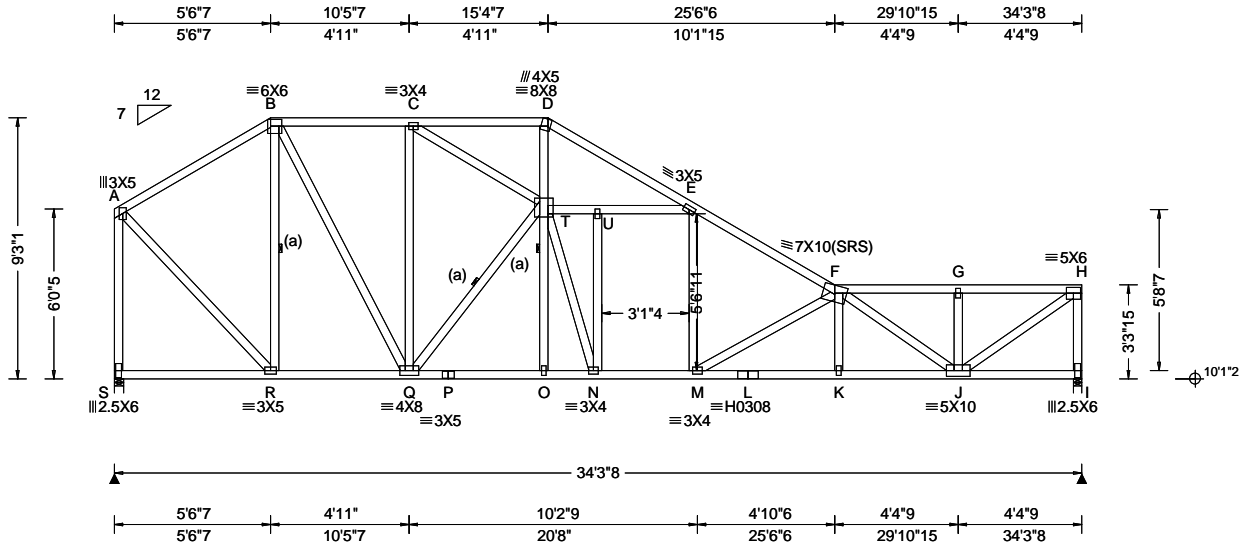
Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
W - V	771 -182	Q - O	2238 -666
V - T	780 -180	P - N	2176 -650
T - S	1020 -217	N - M	2791 -917
S - Q	2217 -659	M - L	2795 -916
R - P	1954 -593	L - K	2795 -916
Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
X - W	475 -1485	R - O	638 -2104
W - B	494 -1510	O - P	451 -51
B - T	537 -80	Y - F	713 -1736
C - T	180 -403	F - N	808 -279
C - S	820 -267	N - G	455 -1038
S - D	857 -270	G - K	348 -1355
S - Y	508 -1325	H - K	353 -396
D - Y	540 -1278	K - I	2190 -814
R - Q	557 -160	I - J	618 -1482



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Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 17.74 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.43 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.261 M 999 240 VERT(CL): 0.364 M 999 180 HORZ(LL): 0.081 B - - HORZ(TL): 0.115 B - - Creep Factor: 2.0 Max TC CSI: 0.483 Max BC CSI: 0.830 Max Web CSI: 0.983 VIEW Ver: 24.02.00D.0611.08	Maximum Reactions (lbs) Gravity Loc R+ / R- / Rh / Rw / U / RL S 1508 - / - / - / 753 / 223 / 220 I 1526 - / - / - / 766 / 234 / - Wind reactions based on MWFRS S Brg Wid = 4.0 Min Req = 1.8 (Truss) I Brg Wid = 3.5 Min Req = 1.8 (Truss) Bearings S & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 269 -1018 E - F 631 -2682 B - C 489 -1267 F - G 609 -1984 D - E 43 -479 G - H 608 -1984
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Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Loading

BC attic loading: LL = 20.00 psf; DL = 5.00 psf; from 17-3-4 to 20-4-8.

Purlins

In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" oc, all BC @ 24" oc.

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

Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

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

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
R - Q	815 -61	N - M	2224 -463
Q - P	2097 -437	M - L	3387 -895
P - O	2097 -437	L - K	3387 -895
O - N	2099 -439	K - J	3392 -893

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - S	363 -1464	T - U	668 -1880
A - R	1171 -229	U - E	669 -1885
B - R	224 -721	E - M	855 -202
B - Q	938 -202	M - F	500 -1333
Q - T	455 -1355	F - J	346 -1711
C - T	421 -1091	J - H	2403 -735
T - N	443 -82	H - I	520 -1485

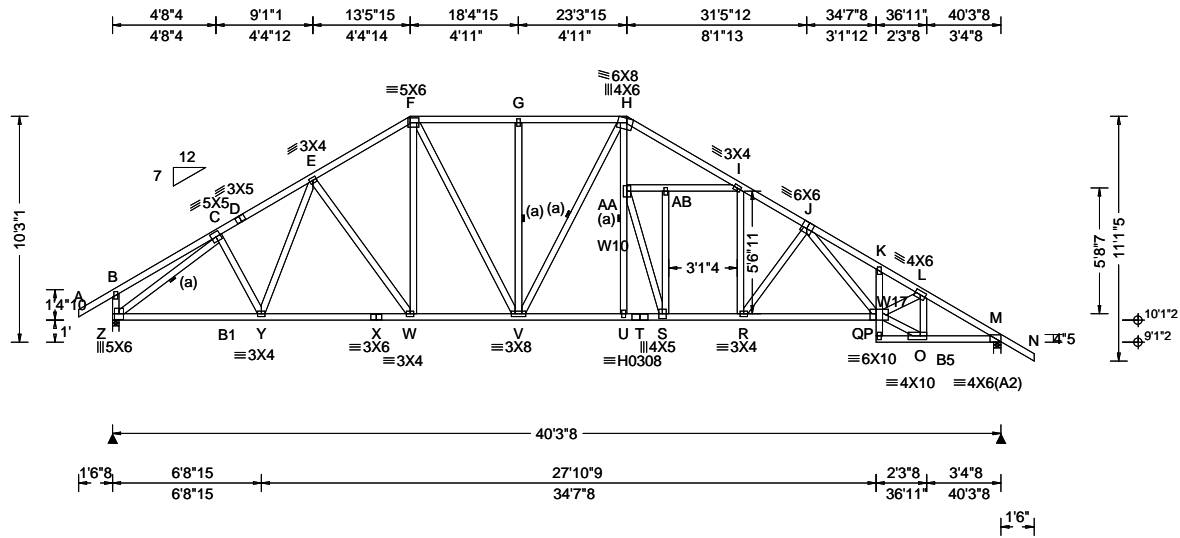


COA #0278

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Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.40 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.03 ft Loc. from endwall: not in 13.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.490 I 982 240 VERT(CL): 0.849 I 567 180 HORZ(LL): 0.132 M - - HORZ(TL): 0.245 M - - Creep Factor: 2.0 Max TC CSI: 0.806 Max BC CSI: 0.999 Max Web CSI: 0.772 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs) Gravity Loc R+ / R- / Rh / Rw / U / RL Z 2030 - / - / 968 / 12 / 335 M 2042 - / - / 1021 / 16 / - Wind reactions based on MWFRS Z Brg Wid = 3.5 Min Req = 2.4 (Truss) M Brg Wid = 4.0 Min Req = 2.4 (Truss) Bearings Z & M are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. C - D 486 -2630 H - I 510 -2537 D - E 505 -2593 I - J 572 -3272 E - F 513 -2423 J - K 848 -5028 F - G 619 -2258 K - L 779 -4975 G - H 619 -2258 L - M 528 -3297
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Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31; B1,B5 2x4 SP #2;
Webs: 2x4 SP #3; W10,W17 2x4 SP #2;

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

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

Plating Notes
All plates are 2X4 except as noted.

Loading
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.
BC attic loading: LL = 25.00 psf; DL = 5.00 psf; from 25-2-12 to 28-4-0.

Purlins
In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" oc, all BC @ 24" oc.
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

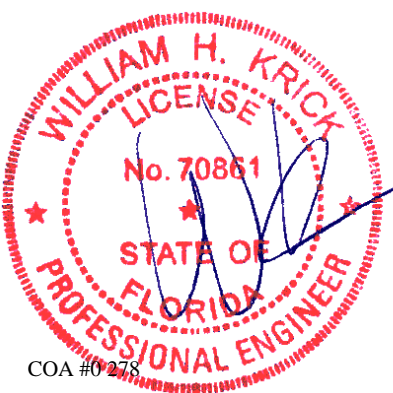
Wind
Wind loads based on MWFRS with additional C&C member design.
Left end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
Z - Y	2126 -211	U - T	2275 -125
Y - X	2194 -161	T - S	2275 -125
X - W	2194 -161	S - R	2733 -234
W - V	2030 -75	R - P	3261 -364
V - U	2231 -112	O - M	2768 -369

Maximum Web Forces Per Ply (lbs)

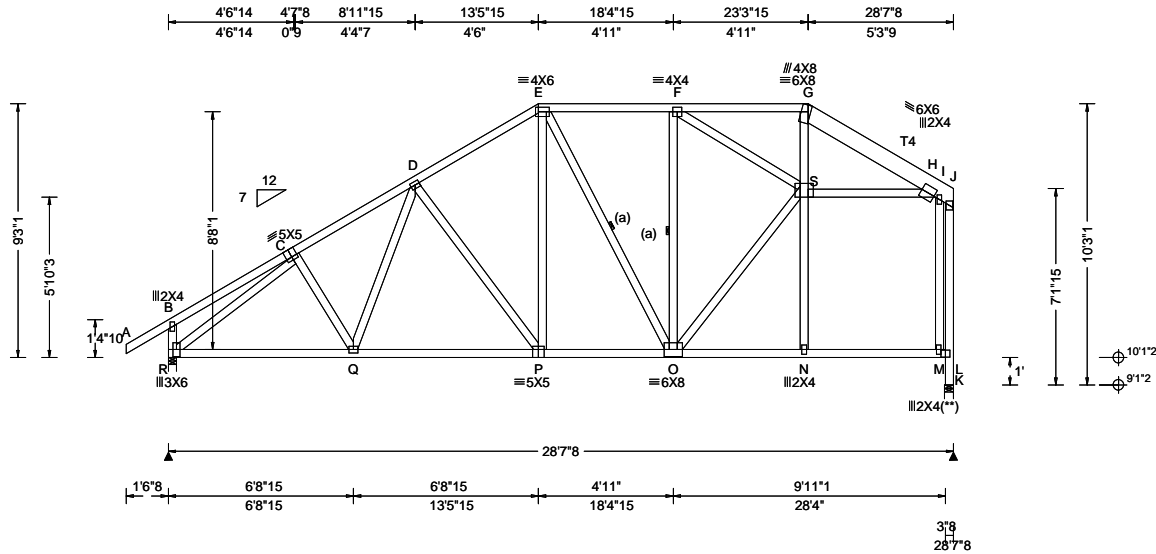
Webs	Tens.Comp.	Webs	Tens. Comp.
Z - C	373 -2692	AB - I	143 -587
F - W	497 -72	I - R	455 -5
F - V	559 -120	R - J	221 -878
AA - U	192 -433	J - P	1681 -293
AA - H	778 -83	P - O	3130 -414
AA - S	1587 -377	P - L	1760 -206
AA-AB	130 -538	O - L	274 -1758
S - AB	146 -535		



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Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.081 F 999 240 VERT(CL): 0.166 F 999 180 HORZ(LL): 0.049 I - - HORZ(TL): 0.100 I - - Creep Factor: 2.0 Max TC CSI: 0.436 Max BC CSI: 0.658 Max Web CSI: 0.963 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL R 1291 /- /- /716 /79 /220 K 1188 /- /- /613 /99 /- Wind reactions based on MWFRS R Brg Wid = 3.5 Min Req = 1.5 (Truss) K Brg Wid = 4.0 Min Req = 1.5 (Support) Bearings R & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. C - D 511 -1471 G - H 948 -2187 D - E 531 -1176 H - I 254 -549 E - F 500 -874 I - J 162 -449 F - G 891 -1895
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Lumber
Top chord: 2x4 SP #2; T4 2x8 SP 2400f-2.0E;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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

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

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

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

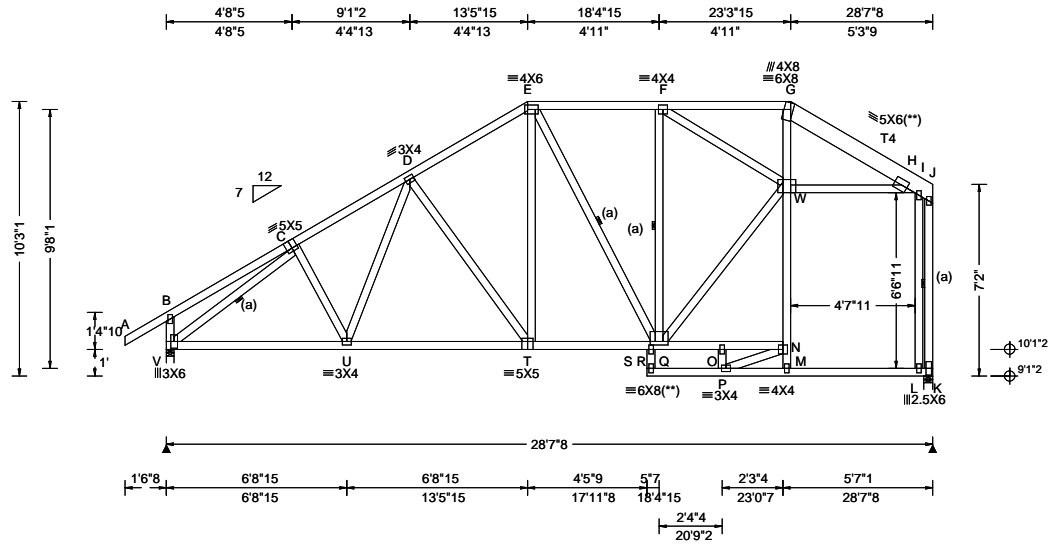
Additional Notes
The overall height of this truss excluding overhang is 9-3-1.



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Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.094 F 999 240 VERT(CL): 0.186 F 999 180 HORZ(LL): 0.065 J - - HORZ(TL): 0.128 J - - Creep Factor: 2.0 Max TC CSI: 0.453 Max BC CSI: 0.659 Max Web CSI: 0.686 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs) Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity V 1325 - / - / 720 / 79 / 220 K 1427 - / - / 616 / 95 / - Wind reactions based on MWFRS V Brg Wid = 3.5 Min Req = 1.6 (Truss) K Brg Wid = 4.0 Min Req = 1.7 (Truss) Bearings V & 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. C - D 520 -1524 G - H 948 -2444 D - E 536 -1234 H - I 259 -625 E - F 505 -942 I - J 203 -721 F - G 892 -2132 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. V - U 1257 -509 T - R 1003 -385 U - T 1204 -467 R - Q 1009 -384 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. V - C 392 -1580 F - W 1369 -439 E - T 434 -59 W - G 755 -213 Q - F 529 -992 W - H 2126 -770 Q - W 1508 -625 J - K 398 -1432
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Lumber
Top chord: 2x4 SP #2; T4 2x8 SP 2400f-2.0E;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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

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

Loading
BC attic loading: LL = 20.00 psf; DL = 5.00 psf; from 23-3-15 to 27-11-10.

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

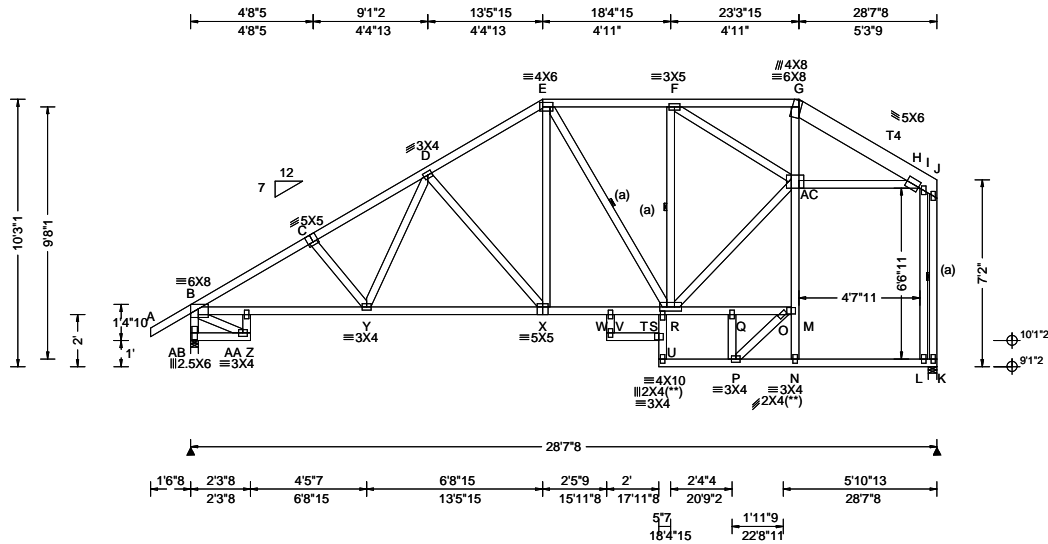
Wind
Wind loads based on MWFRS with additional C&C member design.
End verticals not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes
The overall height of this truss excluding overhang is 9-3-1.
Note: Laterally brace bottom chord above filler at 20" O.C.Max. including a lateral brace at chord ends.

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



Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 16.14 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 GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.116 W 999 240 VERT(CL): 0.192 W 999 180 HORZ(LL): 0.089 J - - HORZ(TL): 0.147 J - - Creep Factor: 2.0 Max TC CSI: 0.454 Max BC CSI: 0.675 Max Web CSI: 0.580 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL AB 1325 - / - / - / 720 - / 276 K 1426 - / - / - / 635 - / - Wind reactions based on MWFRS AB Brg Wid = 3.5 Min Req = 1.6 (Truss) K Brg Wid = 4.0 Min Req = 1.7 (Truss) Bearings AB & L are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 388 -2056 F - G 465 -2095 C - D 394 -1878 G - H 377 -2401 D - E 311 -1381 H - I 130 -625 E - F 355 -1059 I - J 86 -718 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - AA 1712 -456 X - V 1130 -185 AA - Y 1713 -450 V - S 1131 -185 Y - X 1426 -323 S - R 1131 -186 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. B - AB 282 -1303 R - AC 1523 -215 Y - D 390 -98 F - AC 1194 -128 D - X 214 -460 AC - G 712 -35 E - X 492 -94 AC - H 2090 -259 R - F 132 -911 J - K 167 -1426
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Lumber
Top chord: 2x4 SP #2; T4 2x8 SP 2400f-2.0E;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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

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

Loading
BC attic loading: LL = 20.00 psf; DL = 5.00 psf; from 23-3-15 to 27-11-10.

Purlins
In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" oc, all BC @ 24" oc.
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

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

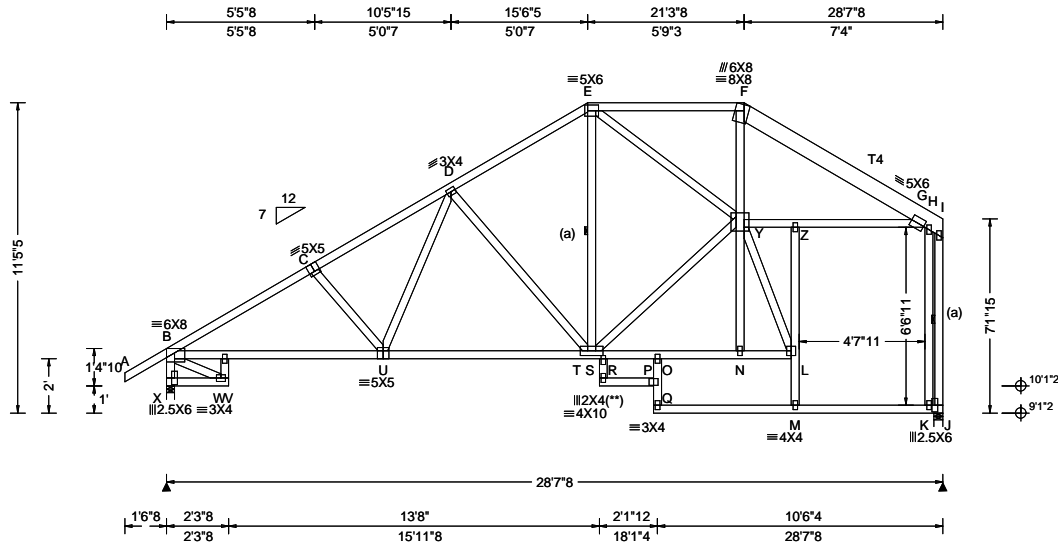
Additional Notes
The overall height of this truss excluding overhang is 9-3-1.
Note: Laterally brace bottom chord above filler at 20" O.C.Max. including a lateral brace at chord ends.



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Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.56 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 GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.150 Z 999 240 VERT(CL): 0.197 V 999 180 HORZ(LL): 0.114 I - - HORZ(TL): 0.163 I - - Creep Factor: 2.0 Max TC CSI: 0.465 Max BC CSI: 0.831 Max Web CSI: 0.693 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs) Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity X 1325 /- /- /721 /56 /253 J 1427 /- /- /625 /56 /- Wind reactions based on MWFRS X Brg Wid = 3.5 Min Req = 1.6 (Truss) J Brg Wid = 4.0 Min Req = 1.7 (Truss) Bearings X & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 559 -2022 F - G 654 -2089 C - D 561 -1805 G - H 218 -626 D - E 481 -1222 H - I 160 -705 E - F 647 -1783 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - W 1674 -596 U - T 1337 -443 W - U 1676 -590 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. B - X 377 -1303 Y - F 544 -12 U - D 456 -97 Y - Z 1773 -481 D - T 220 -555 Z - G 1777 -481 E - Y 998 -235 I - J 313 -1400 T - Y 1339 -347
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Lumber
Top chord: 2x4 SP #2; T4 2x8 SP 2400f-2.0E;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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

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

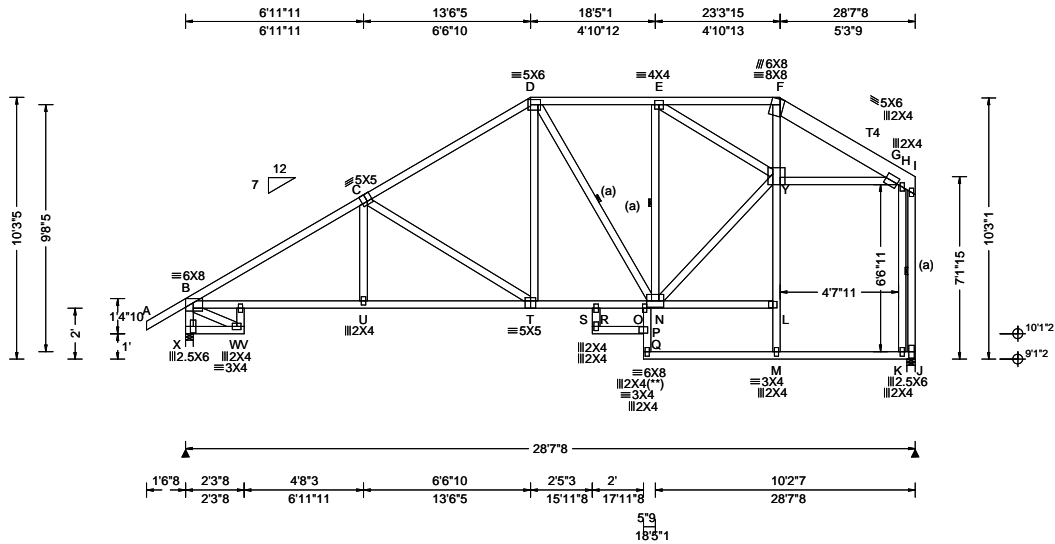
Loading
BC attic loading: LL = 20.00 psf; DL = 5.00 psf; from 23-3-15 to 27-11-10.

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

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

Additional Notes
The overall height of this truss excluding overhang is 10-5-5.
Note: Laterally brace bottom chord above filler at 20" O.C.Max. including a lateral brace at chord ends.

COA #0278
03/05/2026



Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.100 E 999 240 VERT(CL): 0.197 E 999 180 HORZ(LL): 0.082 I - - HORZ(TL): 0.163 I - - Creep Factor: 2.0 Max TC CSI: 0.848 Max BC CSI: 0.681 Max Web CSI: 0.703 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs) Gravity Loc R+ / R- / Rh / Rw / U / RL X 1325 - / - / - / 720 / 79 / 221 J 1426 - / - / - / 615 / 95 / - Wind reactions based on MWFRS X Brg Wid = 3.5 Min Req = 1.6 (Truss) J Brg Wid = 4.0 Min Req = 1.7 (Truss) Bearings X & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 629 - 1984 F - G 948 - 2464 C - D 579 - 1426 G - H 258 - 625 D - E 552 - 1054 H - I 203 - 718 E - F 893 - 2148 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - W 1626 - 638 T - R 1133 - 433 W - U 1627 - 632 R - O 1134 - 434 U - T 1625 - 633 O - N 1134 - 436 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. B - X 419 - 1303 E - Y 1255 - 386 C - T 240 - 597 Y - F 739 - 213 D - T 481 - 60 Y - G 2142 - 769 N - E 491 - 914 I - J 399 - 1425 N - Y 1530 - 636
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Lumber
Top chord: 2x4 SP #2; T4 2x8 SP 2400f-2.0E;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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

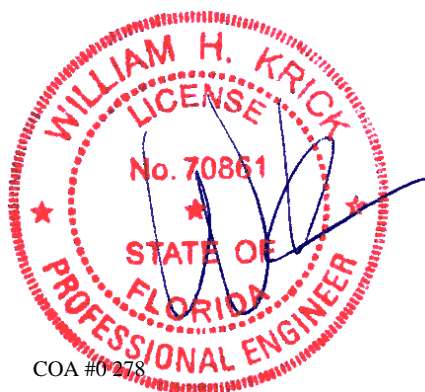
Plating Notes
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Loading
BC attic loading: LL = 20.00 psf; DL = 5.00 psf; from 23-3-15 to 27-11-10.

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Wind
Wind loads based on MWFRS with additional C&C member design.
End verticals not exposed to wind pressure.
Wind loading based on both gable and hip roof types.
Note: Laterally brace bottom chord above filler at 20" O.C.Max. including a lateral brace at chord ends.

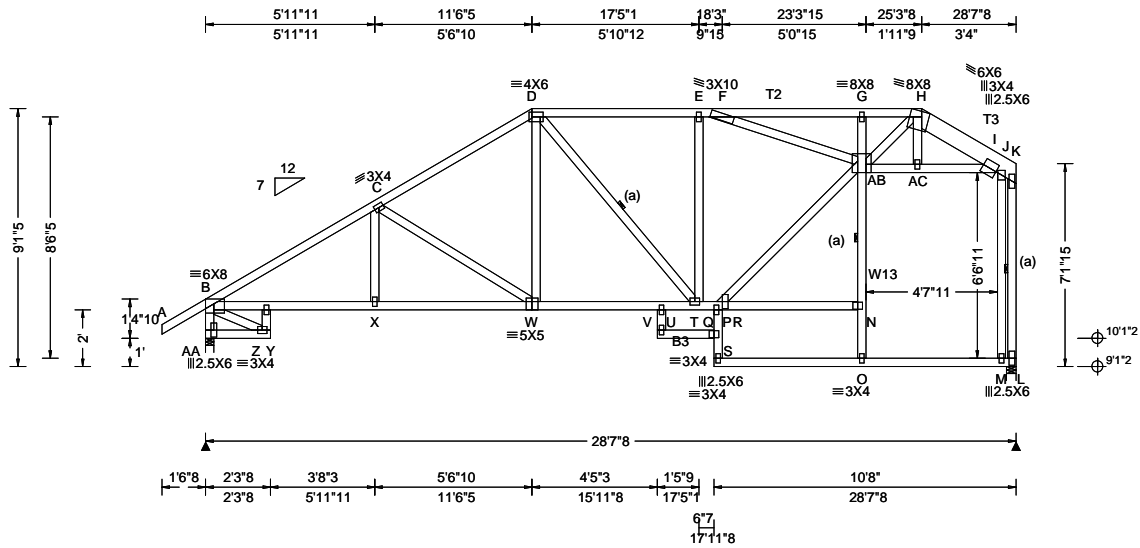
Additional Notes
The overall height of this truss excluding overhang is 9-3-5.



COA #0 278
03/05/2026
Florida Certificate of Product Approval #FL 1999

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Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.266 F 999 240 VERT(CL): 0.524 F 655 180 HORZ(LL): 0.160 K - - HORZ(TL): 0.316 K - - Creep Factor: 2.0 Max TC CSI: 0.558 Max BC CSI: 0.730 Max Web CSI: 0.968 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs) Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity AA 1325 - / - / - / 714 / 103 / 190 L 1427 - / - / - / 611 / 141 / - Wind reactions based on MWFRS AA Brg Wid = 3.5 Min Req = 1.6 (Truss) L Brg Wid = 4.0 Min Req = 1.7 (Truss) Bearings AA & M are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 721 -2015 G - H 1569 -3391 C - D 682 -1581 H - I 1024 -2271 D - E 664 -1256 I - J 291 -611 E - F 677 -1279 J - K 273 -792 F - G 1518 -3280
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Lumber
Top chord: 2x4 SP #2; T2 2x4 SP M-31;
T3 2x8 SP 2400f-2.0E;
Bot chord: 2x4 SP #2; B3 2x4 SP M-31;
Webs: 2x4 SP #3; W13 2x4 SP #2;

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

Plating Notes
All plates are 2X4 except as noted.

Loading
BC attic loading: LL = 20.00 psf; DL = 5.00 psf; from 23-3-15 to 27-11-10.

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

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

Additional Notes
The overall height of this truss excluding overhang is 8-1-5.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - Z	1663 -728	U - T	1341 -582
Z - X	1664 -722	T - Q	1339 -620
X - W	1663 -723	Q - P	1328 -619
W - U	1281 -557		

Maximum Web Forces Per Ply (lbs)

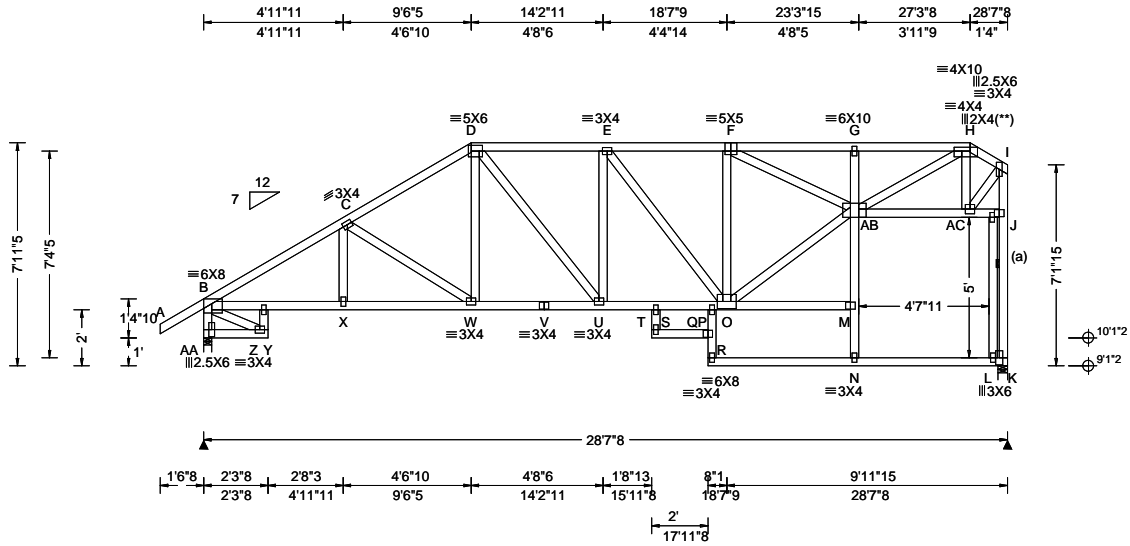
Webs	Tens.Comp.	Webs	Tens. Comp.
B-AA	464 -1303	AB-AC	2042 -877
C - W	199 -462	AB- H	1717 -779
D - W	501 -98	AC- H	180 -413
T - E	650 -1072	AC- I	2072 -891
P-AB	1734 -816	K - L	538 -1572
F -AB	2125 -892		



COA #0278
03/05/2026
Florida Certificate of Product Approval #FL 1999

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Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.118 T 999 240 VERT(CL): 0.231 T 999 180 HORZ(LL): 0.055 AC - - HORZ(TL): 0.109 AC - - Creep Factor: 2.0 Max TC CSI: 0.410 Max BC CSI: 0.448 Max Web CSI: 0.851 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs) Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity AA 1325 - / - / /704 /212 /196 K 1422 - / - / /610 /236 - / - Wind reactions based on MWFRS AA Brg Wid = 3.5 Min Req = 1.6 (Truss) K Brg Wid = 4.0 Min Req = 1.7 (Truss) Bearings AA & L are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 821 -2051 F - G 1323 -2703 C - D 775 -1698 G - H 1335 -2728 D - E 825 -1587 H - I 408 -871 E - F 770 -1469
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Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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

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

Loading
BC attic loading: LL = 20.00 psf; DL = 5.00 psf; from 23-3-15 to 27-11-10.

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

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

Additional Notes
The overall height of this truss excluding overhang is 6-11.5.
Note: Laterally brace bottom chord above filler at 20" O.C.Max. including a lateral brace at chord ends.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - Z	1703 -828	V - U	1401 -679
Z - X	1704 -822	U - S	1593 -808
X - W	1703 -822	S - P	1592 -805
W - V	1401 -679	P - O	1593 -807

Maximum Web Forces Per Ply (lbs)

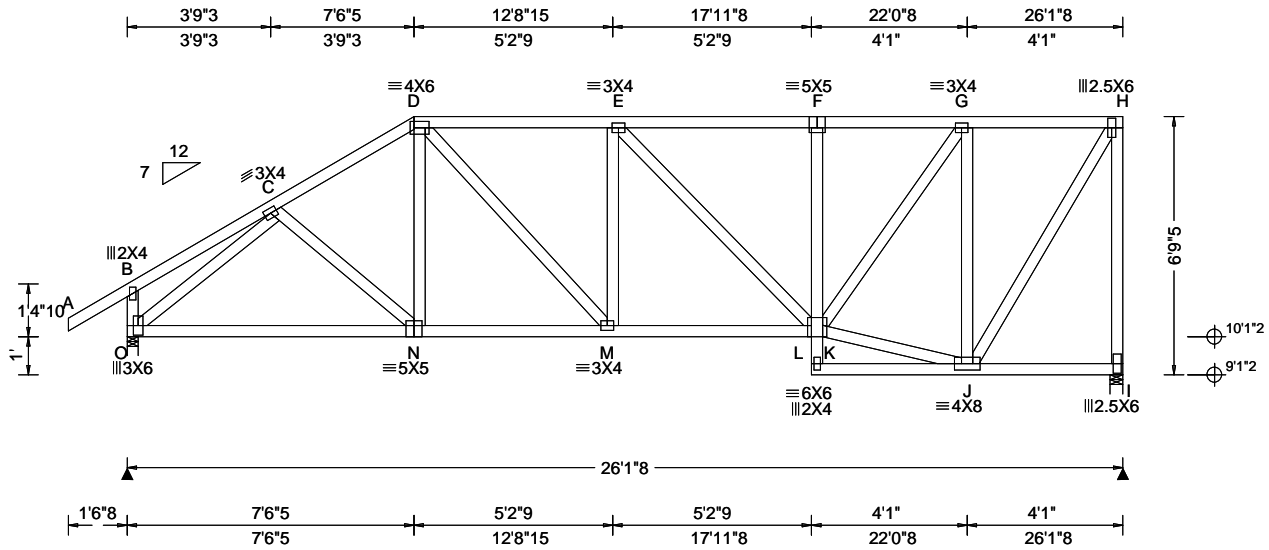
Webs	Tens.Comp.	Webs	Tens. Comp.
B-AA	508 -1302	AB-AC	740 -343
O - F	519 -883	H - AC	465 -823
O-AB	1836 -925	AC-I	1210 -563
F-AB	1351 -602	J - I	625 -1361
AB- H	2235 -1078	J - K	590 -1515



COA #0218
03/05/2026
Florida Certificate of Product Approval #FL 1999

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Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.054 M 999 240 VERT(CL): 0.108 E 999 180 HORZ(LL): 0.025 J - - HORZ(TL): 0.050 J - - Creep Factor: 2.0 Max TC CSI: 0.459 Max BC CSI: 0.630 Max Web CSI: 0.859 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL O 1194 - / - / - / 634 / 197 / 180 I 1083 - / - / - / 559 / 220 / - Wind reactions based on MWFRS O Brg Wid = 3.5 Min Req = 1.5 I Brg Wid = 4.0 Min Req = 1.5 Bearings O & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. C - D 645 - 1315 F - G 664 - 1141 D - E 760 - 1314 G - H 347 - 592 E - F 666 - 1145 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. O - N 1036 - 599 M - K 1324 - 774 N - M 1087 - 595 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. O - C 535 - 1338 G - J 704 - 1019 K - G 909 - 536 J - H 1110 - 651 K - J 622 - 362 H - I 661 - 1050
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Lumber

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

Purlins

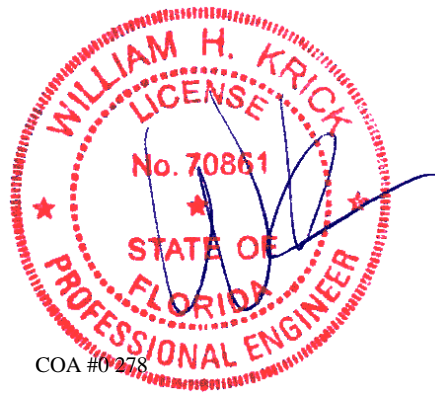
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Additional Notes

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

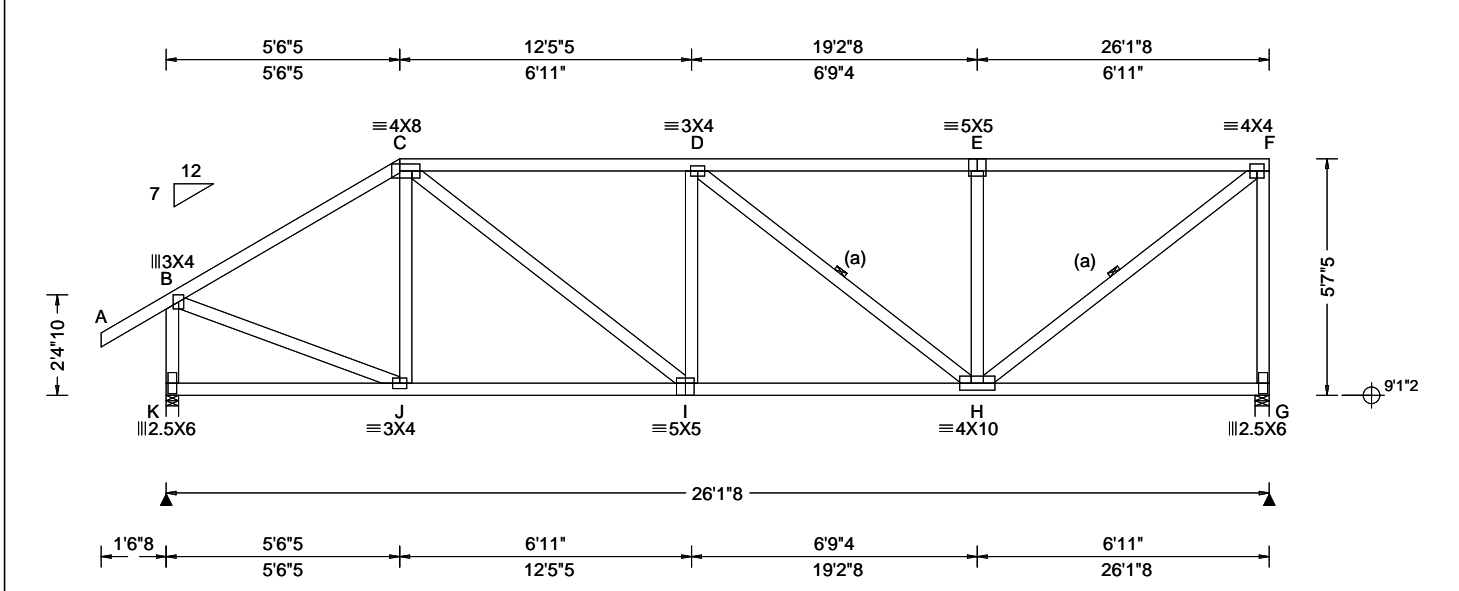


COA #0278

03/05/2026 Florida Certificate of Product Approval #FL 1999

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Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.053 D 999 240 VERT(CL): 0.108 D 999 180 HORZ(LL): 0.016 C - - HORZ(TL): 0.033 C - - Creep Factor: 2.0 Max TC CSI: 0.818 Max BC CSI: 0.723 Max Web CSI: 0.574 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL K 1194 -/ - /613 /202 /139 G 1083 -/ - /549 /219 -/ Wind reactions based on MWFRS K Brg Wid = 3.5 Min Req = 1.5 G Brg Wid = 4.0 Min Req = 1.5 Bearings K & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 589 -1158 D - E 659 -1105 C - D 825 -1368 E - F 659 -1105 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. J - I 932 -560 I - H 1379 -839 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. B - K 580 -1150 H - F 1395 -831 B - J 984 -417 E - H 465 -475 C - I 554 -336 F - G 684 -1027
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Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Purlins

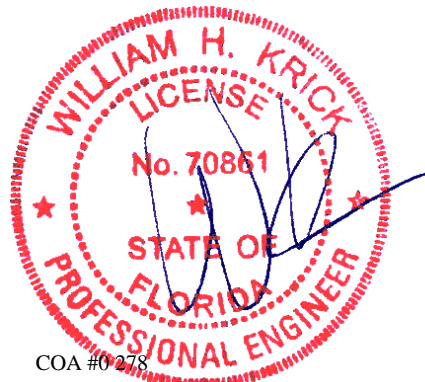
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Additional Notes

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

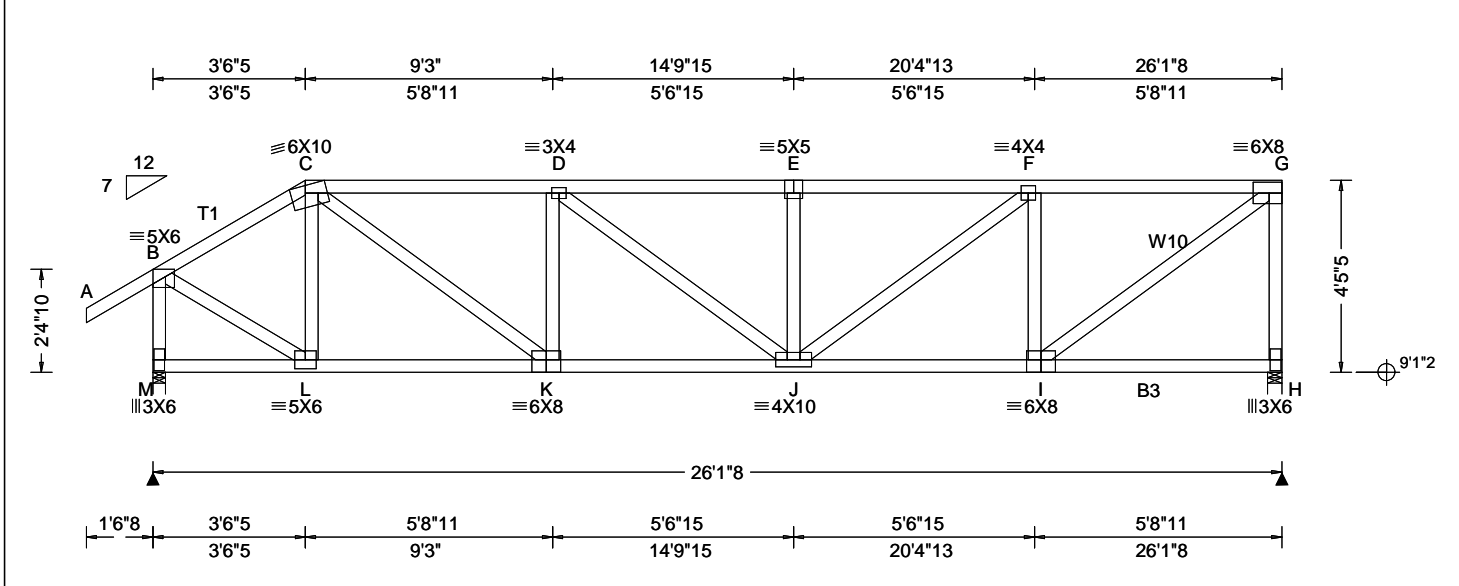


COA #0278

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Lumber

Top chord: 2x4 SP M-31; T1 2x4 SP #2;
Bot chord: 2x4 SP M-31; B3 2x4 SP #2;
Webs: 2x4 SP #3; W10 2x4 SP #2;

Special Loads

----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at -1.54 to 63 plf at 3.53
TC: From 32 plf at 3.53 to 32 plf at 26.12
BC: From 5 plf at -1.54 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 3.56
BC: From 10 plf at 3.56 to 10 plf at 26.12
TC: 237 lb Conc. Load at 3.56
TC: 190 lb Conc. Load at 5.59, 7.59, 9.59,11.59
13.59,15.59,17.59,19.59,21.59,23.59,25.59
BC: 228 lb Conc. Load at 3.56
BC: 130 lb Conc. Load at 5.59, 7.59, 9.59,11.59
13.59,15.59,17.59,19.59,21.59,23.59,25.59

Purlins

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

Wind

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

Additional Notes

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

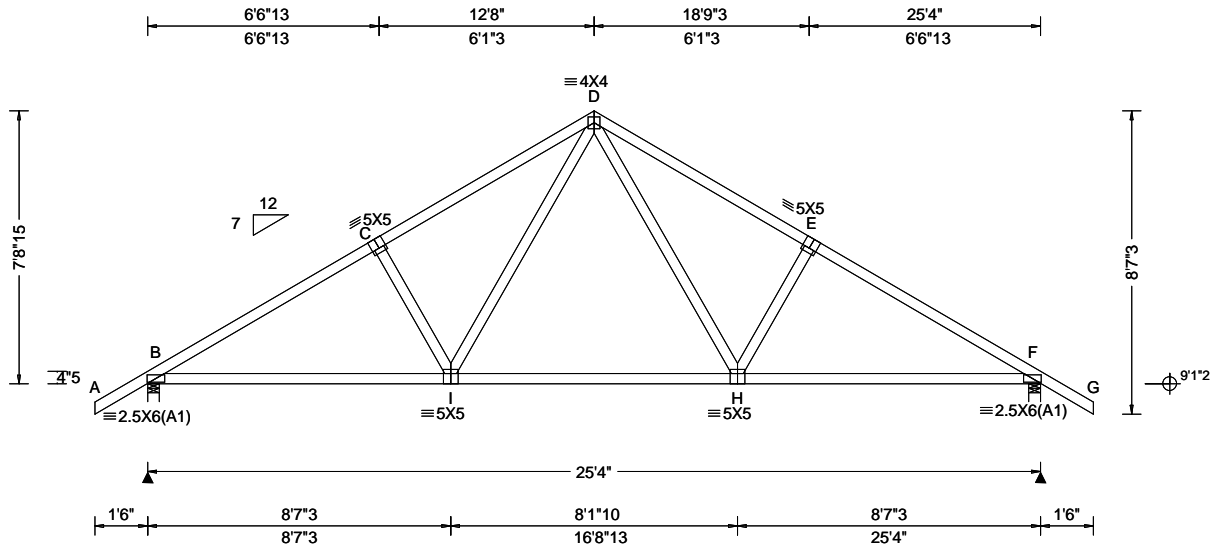


COA #0278

03/05/2026
Florida Certificate of Product Approval #FL 1999

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Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.064 H 999 240 VERT(CL): 0.123 H 999 180 HORZ(LL): 0.027 F - - HORZ(TL): 0.051 F - - Creep Factor: 2.0 Max TC CSI: 0.494 Max BC CSI: 0.804 Max Web CSI: 0.241 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 1231 /- /- /612 /199 /191 F 1231 /- /- /612 /199 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 F Brg Wid = 4.0 Min Req = 1.5 Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 460 -1770 D - E 503 -1585 C - D 503 -1585 E - F 460 -1770
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Lumber

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

Loading

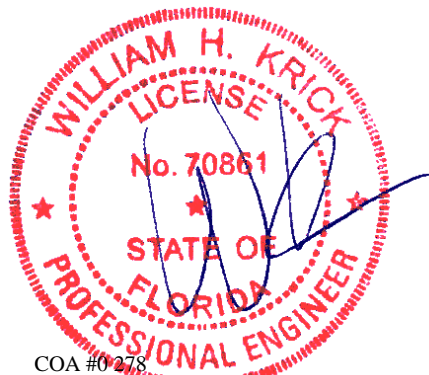
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 7-8-15.

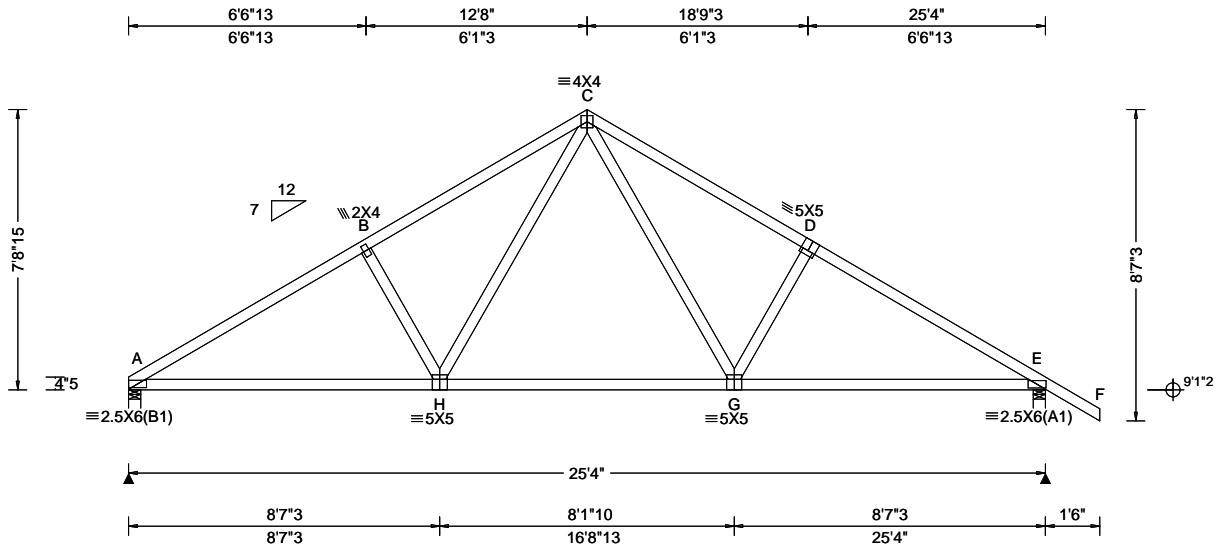


COA #0218

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				Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - H 1470 -180 G - E 1453 -171 H - G 985 -18 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. H - C 654 -124 C - G 632 -111					

Lumber

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

Loading

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

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 7-8-15.

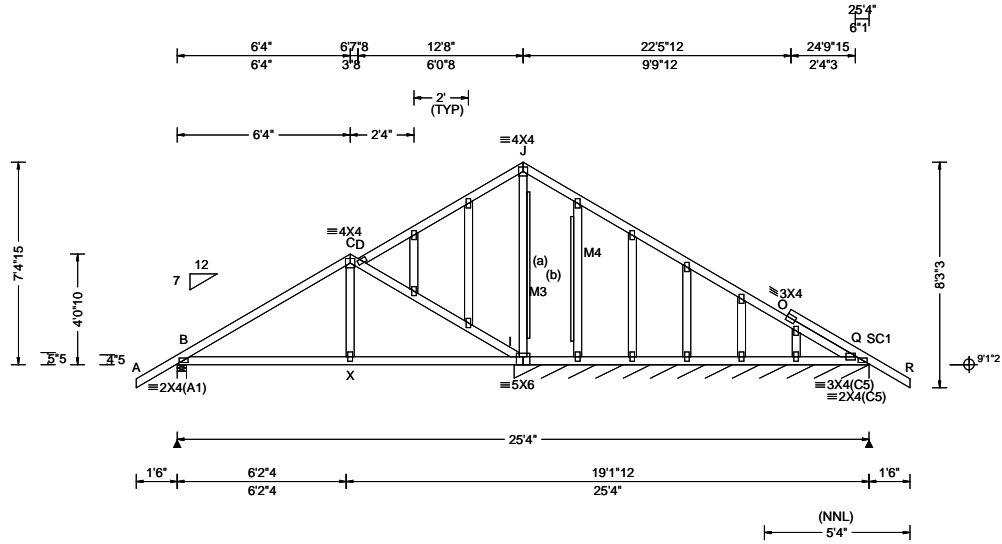


COA #0 278

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Loading Criteria (psf) TCCL: 20.00 TCCL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.039 G 999 240 VERT(CL): 0.079 G 999 180 HORZ(LL): 0.021 G - - HORZ(TL): 0.044 G - - Creep Factor: 2.0 Max TC CSI: 0.425 Max BC CSI: 0.445 Max Web CSI: 0.905 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs), or *=PLF <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>565</td> <td>-</td> <td>-</td> <td>/287</td> <td>/103</td> <td>/190</td> </tr> <tr> <td>Q*</td> <td>134</td> <td>-</td> <td>-</td> <td>/69</td> <td>/22</td> <td>-</td> </tr> </tbody> </table> <p>Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) Q Brg Wid = 156 Min Req = - Bearings B & I are a rigid surface. Members not listed have forces less than 375#</p> Maximum Top Chord Forces Per Ply (lbs) <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Chords</th> <th>Tens.Comp.</th> <th>Chords</th> <th>Tens. Comp.</th> </tr> </thead> <tbody> <tr> <td>B - C</td> <td>154 -512</td> <td>D - I</td> <td>278 -606</td> </tr> <tr> <td>C - D</td> <td>162 -393</td> <td></td> <td></td> </tr> </tbody> </table> Maximum Bot Chord Forces Per Ply (lbs) <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Chords</th> <th>Tens.Comp.</th> <th>Chords</th> <th>Tens. Comp.</th> </tr> </thead> <tbody> <tr> <td>B - X</td> <td>393 -83</td> <td>X - I</td> <td>393 -83</td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	B	565	-	-	/287	/103	/190	Q*	134	-	-	/69	/22	-	Chords	Tens.Comp.	Chords	Tens. Comp.	B - C	154 -512	D - I	278 -606	C - D	162 -393			Chords	Tens.Comp.	Chords	Tens. Comp.	B - X	393 -83	X - I	393 -83
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Lumber
 Top chord: 2x4 SP #2;
 Bot chord: 2x4 SP #2;
 Webs: 2x4 SP #3; M3 2x4 SP M-31; M4 2x4 SP #2;
 Stack Chord: SC1 2x4 SP #2;

Plating Notes
 All plates are 2X4 except as noted.

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

Wind
 Wind loads based on MWFRS with additional C&C member design.
 Wind loading based on both gable and hip roof types.
 Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/226.

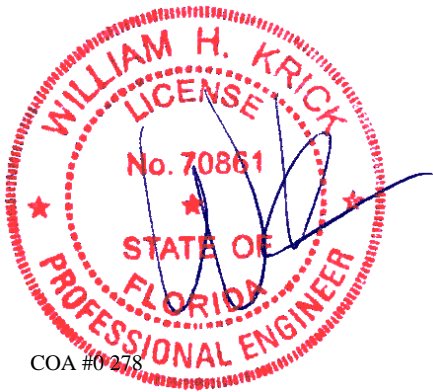
Gable Reinforcement
 (a) 1x4 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.
 (b) 1x4 "L" reinforcement. Same species and grade as web. 80% length of web member. Attach with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

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

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

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

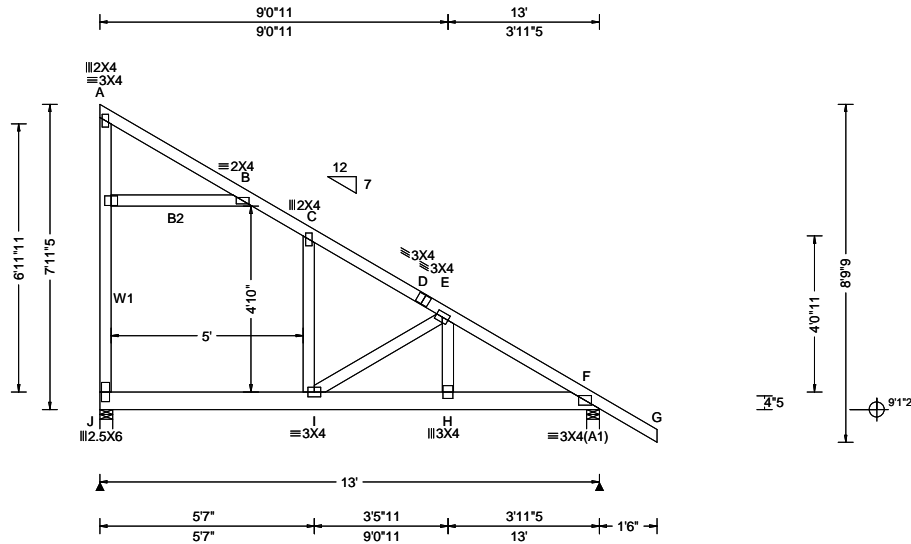
The overall height of this truss excluding overhang is 7-4-15.



COA #0278
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Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.365 C 422 240 VERT(CL): 0.758 C 203 180 HORZ(LL): -0.208 C - - HORZ(TL): 0.431 C - - Creep Factor: 2.0 Max TC CSI: 0.742 Max BC CSI: 0.865 Max Web CSI: 0.672 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs) <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>J</td> <td>869</td> <td>-</td> <td>-</td> <td>/388</td> <td>/83</td> <td>/218</td> </tr> <tr> <td>F</td> <td>742</td> <td>-</td> <td>-</td> <td>/400</td> <td>-</td> <td>-</td> </tr> </tbody> </table> <p>Wind reactions based on MWFRS J Brg Wid = 4.0 Min Req = 1.5 (Truss) F Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings J & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. E - F 86 - 1074</p>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	J	869	-	-	/388	/83	/218	F	742	-	-	/400	-	-
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F	742	-	-	/400	-	-																									

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP 2400f-2.0E; B2 2x4 SP #2;
Webs: 2x4 SP #3; W1 2x4 SP M-31;

Loading

BC attic loading: LL = 20.00 psf; DL = 5.00 psf; from 0-3-8 to 5-3-8.

Mechanical Unit Loads Supported by this Truss

At X-Loc	Truss Piece	Unit Lbs.	Unit Width	Supporting Trusses
2.29	BC	150.0	2.67	2

Purlins

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

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 7-11-5.



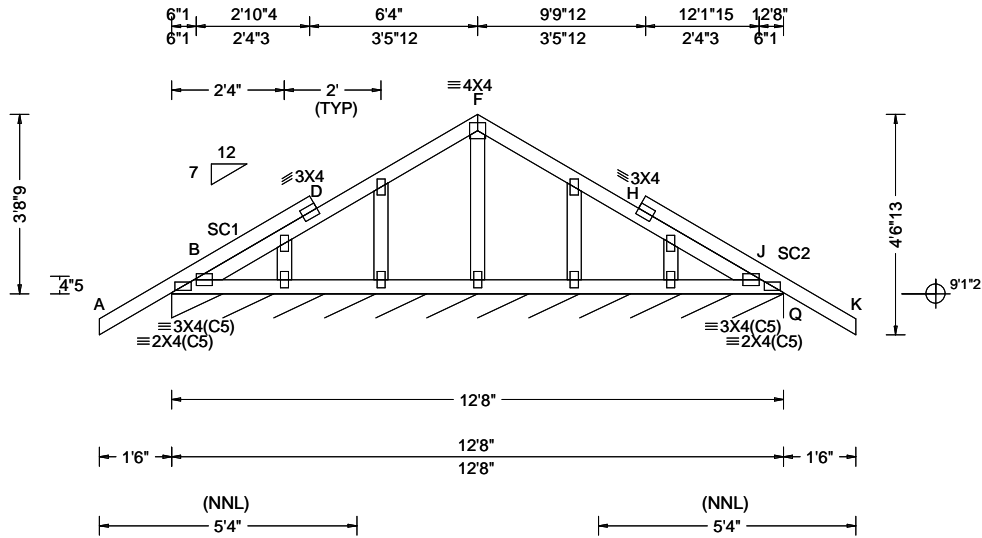
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SEQN: 436558 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 26-3646 Lot 6 Hills of Huntsville - Gonzalez Truss Label: B05	Cust: R215 JRef: 1Y152150004 T15 DrwNo: 063.26.1025.28273 KD / WHK 03/04/2026
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Loading Criteria (psf) TCCL: 20.00 TCCL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.001 D 999 240 VERT(CL): 0.003 D 999 180 HORZ(LL): 0.001 D - - HORZ(TL): 0.002 D - - Creep Factor: 2.0 Max TC CSI: 0.259 Max BC CSI: 0.033 Max Web CSI: 0.381 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs), or *=PLF <table border="1"> <thead> <tr> <th colspan="2">Gravity</th> <th colspan="5">Non-Gravity</th> </tr> <tr> <th>Loc</th> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>Q*</td> <td>99</td> <td>/-</td> <td>/-</td> <td>/48</td> <td>/17</td> <td>/7</td> </tr> </tbody> </table> Wind reactions based on MWFRS Q Brg Wid = 152 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#	Gravity		Non-Gravity					Loc	R+	/R-	/Rh	/Rw	/U	/RL	Q*	99	/-	/-	/48	/17	/7
Gravity		Non-Gravity																							
Loc	R+	/R-	/Rh	/Rw	/U	/RL																			
Q*	99	/-	/-	/48	/17	/7																			

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.

Wind

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

Wind loading based on both gable and hip roof types.

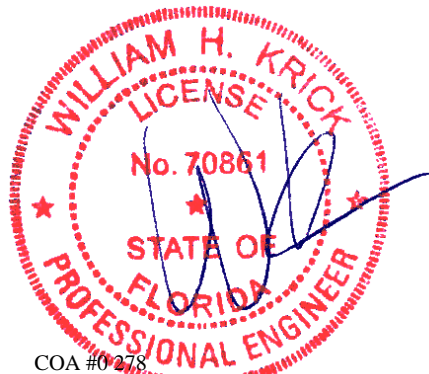
Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/832.

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

The overall height of this truss excluding overhang is 3-8-9.

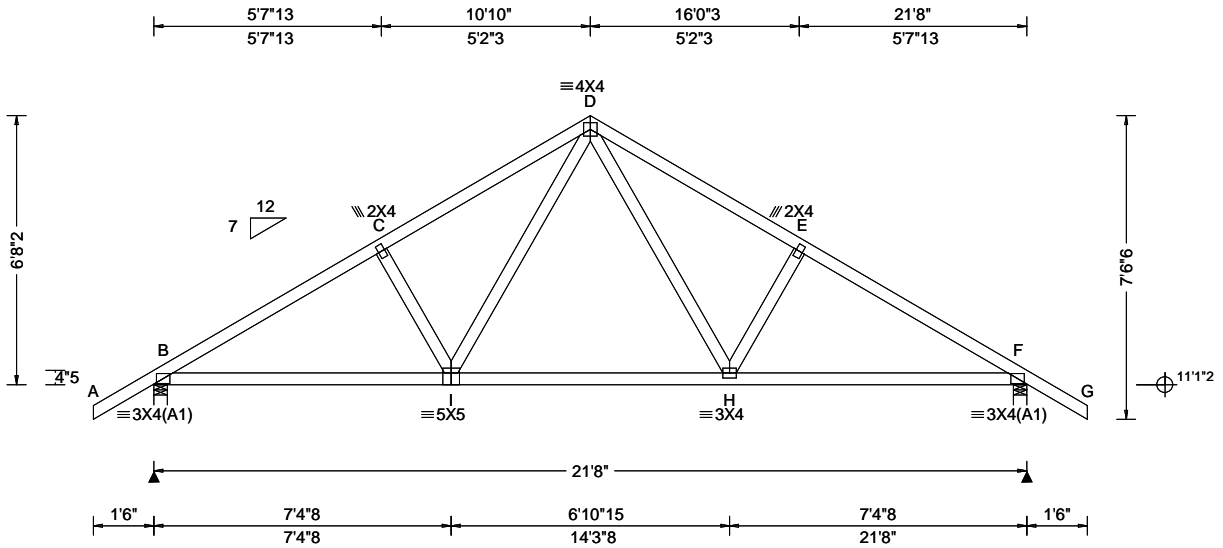


COA #0278

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Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.045 H 999 240 VERT(CL): 0.088 H 999 180 HORZ(LL): 0.019 F - - HORZ(TL): 0.036 F - - Creep Factor: 2.0 Max TC CSI: 0.347 Max BC CSI: 0.608 Max Web CSI: 0.196 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 1054 /- /- /524 /174 /163 F 1054 /- /- /524 /174 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 F Brg Wid = 4.0 Min Req = 1.5 Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 435 -1464 D - E 472 -1308 C - D 472 -1307 E - F 434 -1465 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - I 1193 -235 H - F 1194 -242 I - H 812 -50 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. I - D 512 -161 D - H 514 -160
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Lumber

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

Loading

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

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 6-8-2.



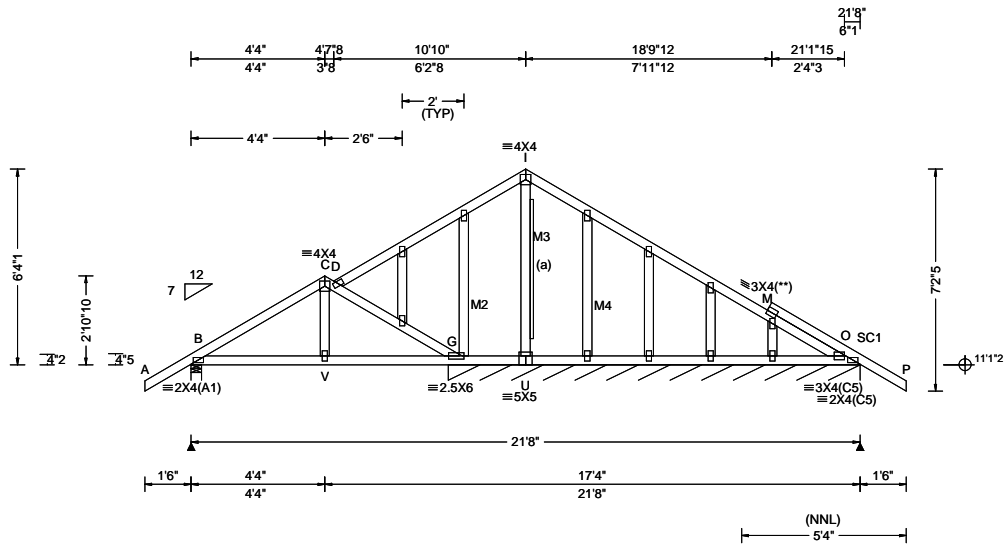
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SEQN: 436597 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 26-3646 Lot 6 Hills of Huntsville - Gonzalez Truss Label: C02	Cust: R215 JRef: 1Y152150004 T13 DrwNo: 063.26.1025.39747 KD / WHK 03/04/2026
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Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.009 E 999 240 VERT(CL): 0.019 E 999 180 HORZ(LL): 0.004 E - - HORZ(TL): 0.009 E - - Creep Factor: 2.0 Max TC CSI: 0.236 Max BC CSI: 0.201 Max Web CSI: 0.561 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 428 - / - / 199 / 73 / 163 O* 118 - / - / 60 / 20 / - Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) O Brg Wid = 159 Min Req = - Bearings B & G are a rigid surface. Members not listed have forces less than 375#
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Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; M2,M3,M4 2x4 SP #2;
Stack Chord: SC1 2x4 SP #2;

Plating Notes

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

Loading

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

Wind

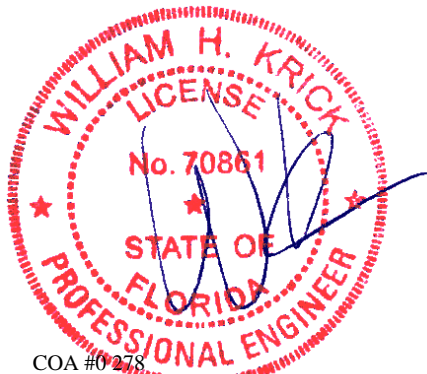
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.
Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/225.

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

Additional Notes

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.
Stacked top chord must NOT be notched or cut in area (NNL). 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 6-4-1.

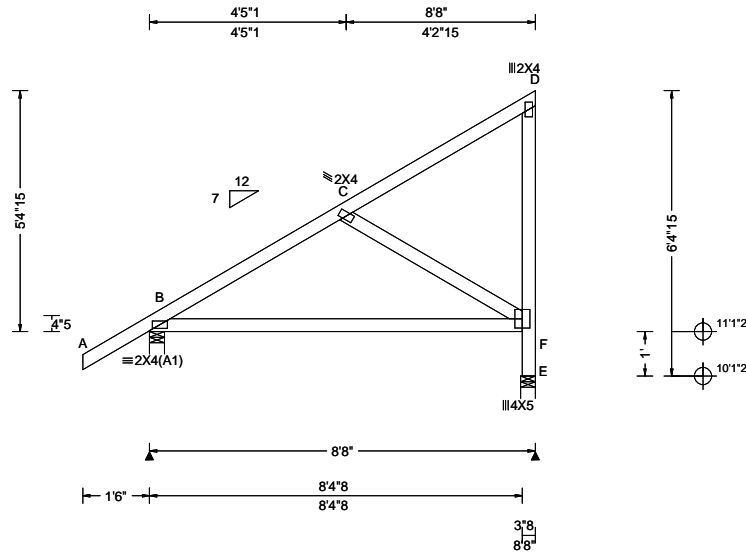


COA #0 278

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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: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.007 B 999 240 VERT(CL): 0.024 B 999 180 HORZ(LL): 0.004 B - - HORZ(TL): 0.015 B - - Creep Factor: 2.0 Max TC CSI: 0.333 Max BC CSI: 0.596 Max Web CSI: 0.234 VIEW Ver: 24.02.00D.0611.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 473 /- /- /230 /33 /203 E 344 /- /- /259 /114 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) E Brg Wid = 4.0 Min Req = 1.5 (Support) Bearings 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;

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 5-4-15.



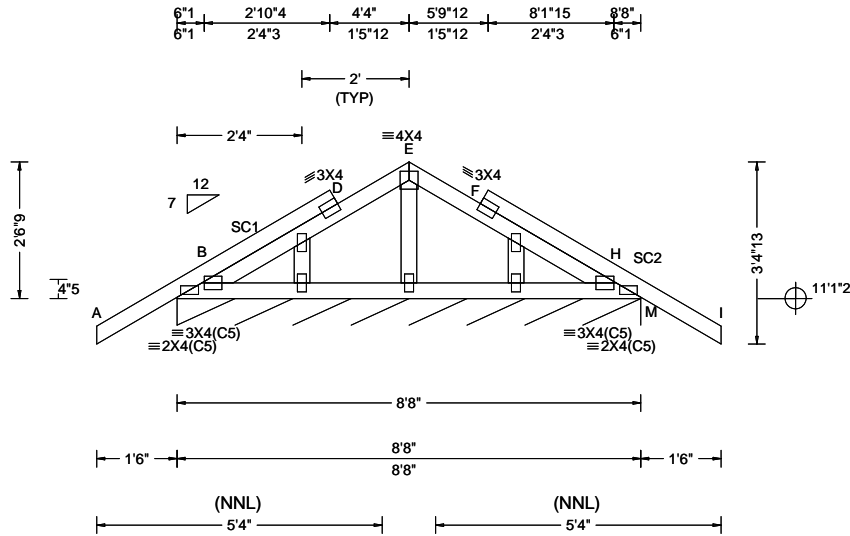
COA #0278

03/05/2026
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SEQN: 436562 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 26-3646 Lot 6 Hills of Huntsville - Gonzalez Truss Label: C04	Cust: R215 JRef: 1Y152150004 T11 DrwNo: 063.26.1025.44517 KD / WHK 03/04/2026
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Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.002 D 999 240 VERT(CL): 0.004 D 999 180 HORZ(LL): 0.001 D - - HORZ(TL): 0.002 D - - Creep Factor: 2.0 Max TC CSI: 0.311 Max BC CSI: 0.033 Max Web CSI: 0.083 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL M* 107 /- /- /49 /18 /7 Wind reactions based on MWFRS M Brg Wid = 104 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#
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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.

Wind

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

Wind loading based on both gable and hip roof types.

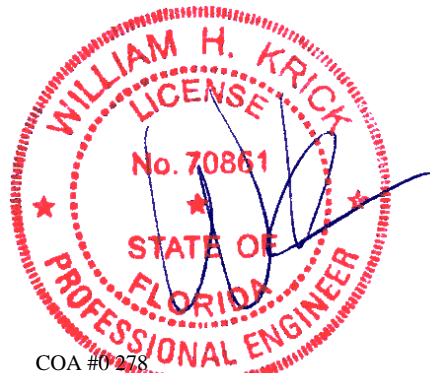
Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/999.

Additional Notes

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

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

The overall height of this truss excluding overhang is 2-6-9.

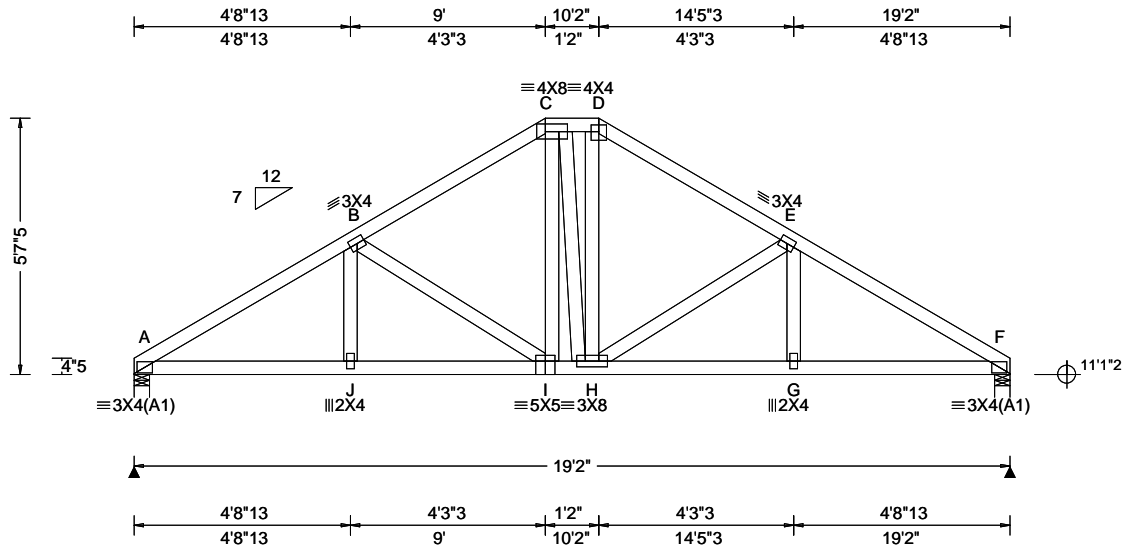


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Loading Criteria (psf) TCCL: 20.00 TCCL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 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	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.029 I 999 240 VERT(CL): 0.061 I 999 180 HORZ(LL): 0.014 F - - HORZ(TL): 0.029 F - - Creep Factor: 2.0 Max TC CSI: 0.267 Max BC CSI: 0.313 Max Web CSI: 0.192 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs) <table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>797</td> <td>-</td> <td>-</td> <td>/459</td> <td>/132</td> <td>/135</td> </tr> <tr> <td>F</td> <td>797</td> <td>-</td> <td>-</td> <td>/459</td> <td>/132</td> <td>-</td> </tr> </tbody> </table>						Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	A	797	-	-	/459	/132	/135	F	797	-	-	/459	/132	-	
				Loc	Gravity			Non-Gravity																													
R+	/R-	/Rh	/Rw		/U	/RL																															
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F	797	-	-	/459	/132	-																															
Maximum Top Chord Forces Per Ply (lbs) <table border="1"> <thead> <tr> <th>Chords</th> <th>Tens.Comp.</th> <th>Chords</th> <th>Tens. Comp.</th> </tr> </thead> <tbody> <tr> <td>A - B</td> <td>319 - 1238</td> <td>D - E</td> <td>302 - 889</td> </tr> <tr> <td>B - C</td> <td>303 - 894</td> <td>E - F</td> <td>319 - 1237</td> </tr> <tr> <td>C - D</td> <td>294 - 711</td> <td></td> <td></td> </tr> </tbody> </table>				Chords	Tens.Comp.	Chords	Tens. Comp.	A - B	319 - 1238	D - E	302 - 889	B - C	303 - 894	E - F	319 - 1237	C - D	294 - 711			Maximum Bot Chord Forces Per Ply (lbs) <table border="1"> <thead> <tr> <th>Chords</th> <th>Tens.Comp.</th> <th>Chords</th> <th>Tens. Comp.</th> </tr> </thead> <tbody> <tr> <td>A - J</td> <td>1012 - 207</td> <td>H - G</td> <td>1009 - 207</td> </tr> <tr> <td>J - I</td> <td>1010 - 208</td> <td>G - F</td> <td>1011 - 206</td> </tr> <tr> <td>I - H</td> <td>708 - 92</td> <td></td> <td></td> </tr> </tbody> </table>		Chords	Tens.Comp.	Chords	Tens. Comp.	A - J	1012 - 207	H - G	1009 - 207	J - I	1010 - 208	G - F	1011 - 206	I - H	708 - 92		
Chords	Tens.Comp.	Chords	Tens. Comp.																																		
A - B	319 - 1238	D - E	302 - 889																																		
B - C	303 - 894	E - F	319 - 1237																																		
C - D	294 - 711																																				
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A - J	1012 - 207	H - G	1009 - 207																																		
J - I	1010 - 208	G - F	1011 - 206																																		
I - H	708 - 92																																				

Lumber

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

Purlins

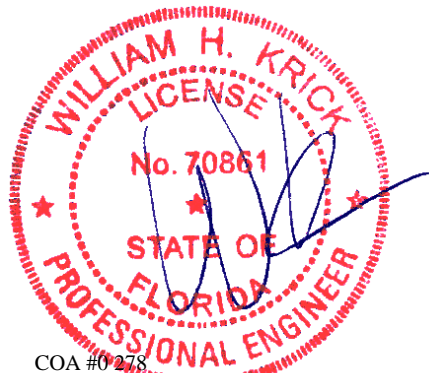
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Additional Notes

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

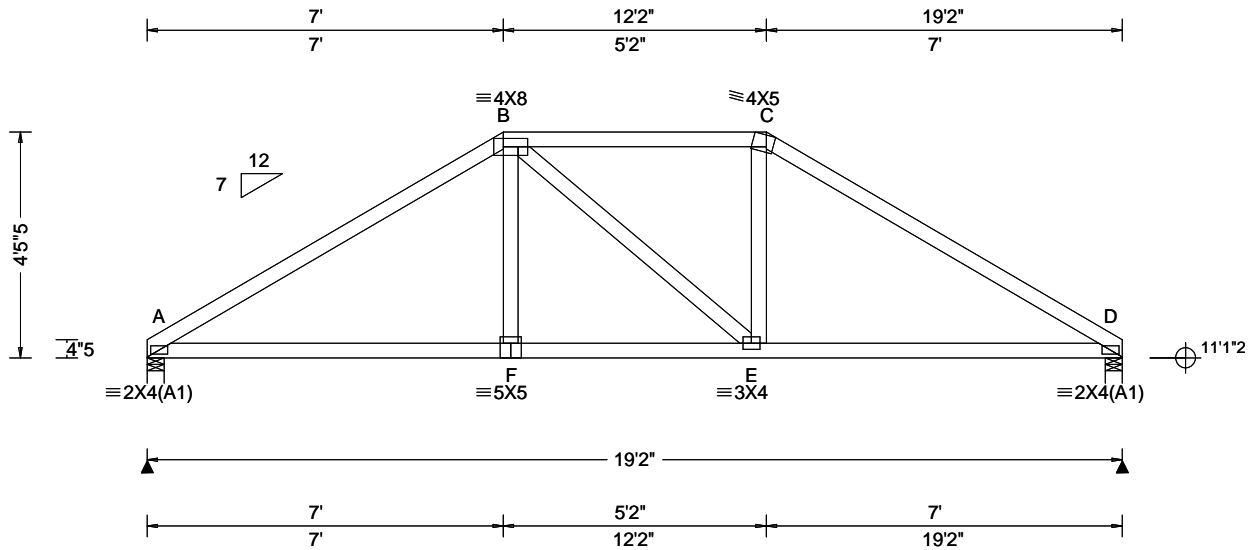


COA #0278

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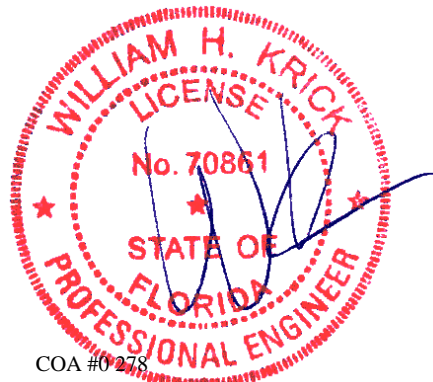
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				Loc	Gravity			Non-Gravity																												
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Lumber
 Top chord: 2x4 SP #2;
 Bot chord: 2x4 SP #2;
 Webs: 2x4 SP #3;

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

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

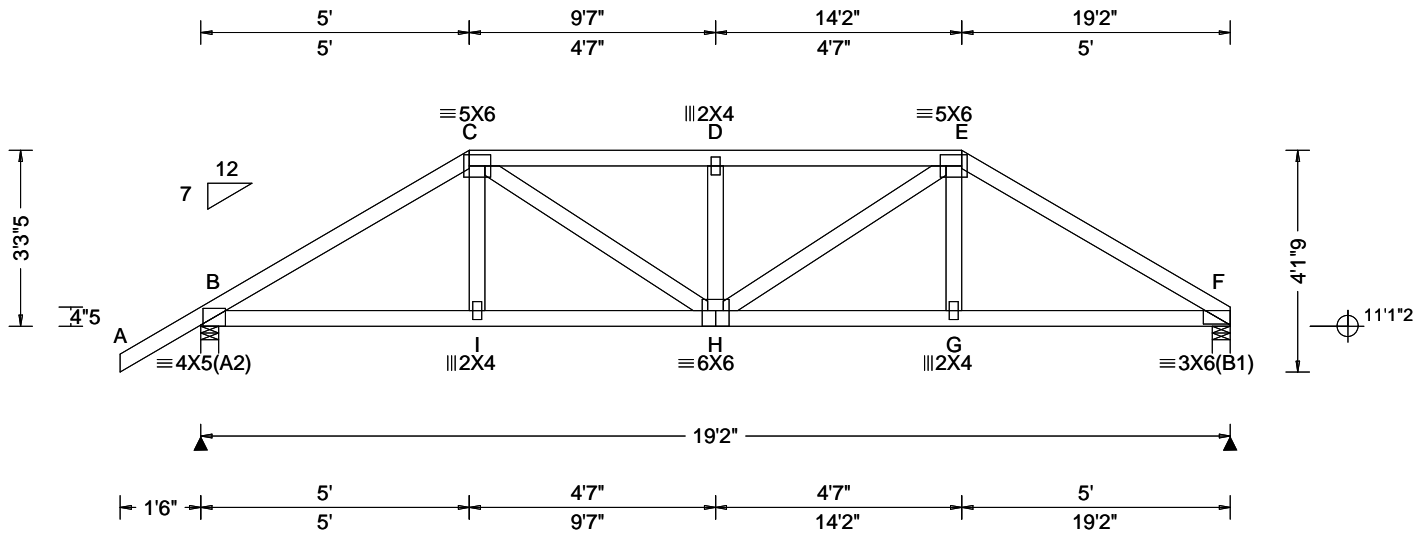
Additional Notes
 The overall height of this truss excluding overhang is 4-5-5.



COA #0 278
 03/05/2026
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Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.090 D 999 240 VERT(CL): 0.181 D 999 180 HORZ(LL): 0.031 F - - HORZ(TL): 0.064 F - - Creep Factor: 2.0 Max TC CSI: 0.701 Max BC CSI: 0.727 Max Web CSI: 0.296 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs) <table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>1577</td> <td>-</td> <td>-</td> <td>-</td> <td>/259</td> <td>-</td> </tr> <tr> <td>F</td> <td>1469</td> <td>-</td> <td>-</td> <td>-</td> <td>/223</td> <td>-</td> </tr> </tbody> </table>						Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	B	1577	-	-	-	/259	-	F	1469	-	-	-	/223	-
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Lumber

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

Special Loads

----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
 TC: From 63 plf at -1.50 to 63 plf at 5.00
 TC: From 32 plf at 5.00 to 32 plf at 14.17
 TC: From 63 plf at 14.17 to 63 plf at 19.17
 BC: From 5 plf at -1.50 to 5 plf at 0.00
 BC: From 20 plf at 0.00 to 20 plf at 5.03
 BC: From 10 plf at 5.03 to 10 plf at 14.14
 BC: From 20 plf at 14.14 to 20 plf at 19.17
 TC: 206 lb Conc. Load at 5.03
 TC: 129 lb Conc. Load at 7.06, 9.06,10.10,12.10
 TC: 213 lb Conc. Load at 14.14
 BC: 217 lb Conc. Load at 5.03,14.14
 BC: 90 lb Conc. Load at 7.06, 9.06,10.10,12.10

Purlins

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

Wind

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

Additional Notes

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

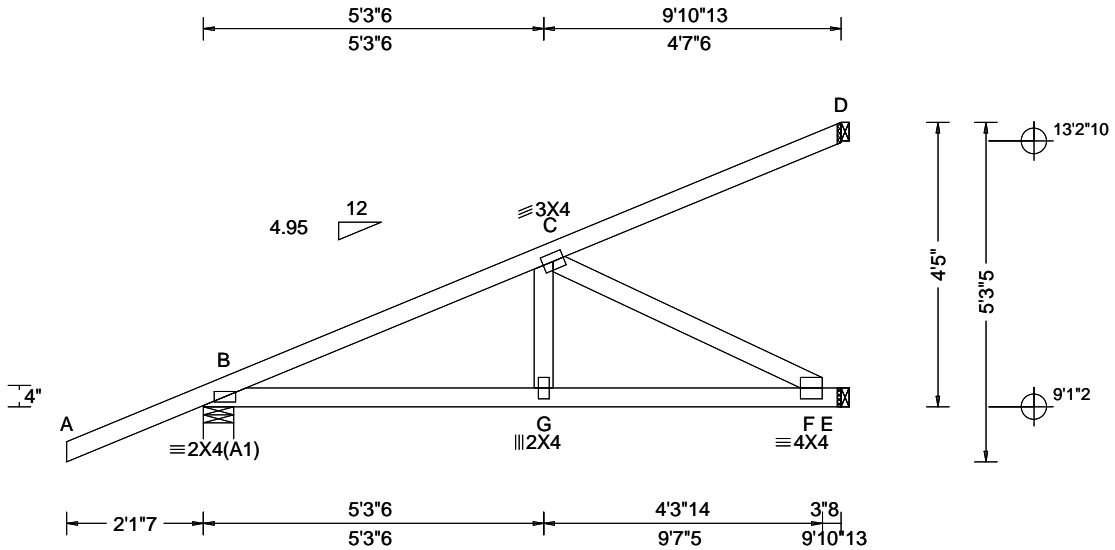


COA #0278

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Lumber

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

Special Loads

----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
 TC: From 0 plf at -2.12 to 62 plf at 0.00
 TC: From 2 plf at 0.00 to 2 plf at 9.90
 BC: From 0 plf at -2.12 to 4 plf at 0.00
 BC: From 2 plf at 0.00 to 2 plf at 9.90
 TC: -18 lb Conc. Load at 1.48
 TC: 126 lb Conc. Load at 4.31
 TC: 259 lb Conc. Load at 7.13
 BC: 9 lb Conc. Load at 1.48
 BC: 99 lb Conc. Load at 4.31
 BC: 180 lb Conc. Load at 7.13

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 4-5-0.

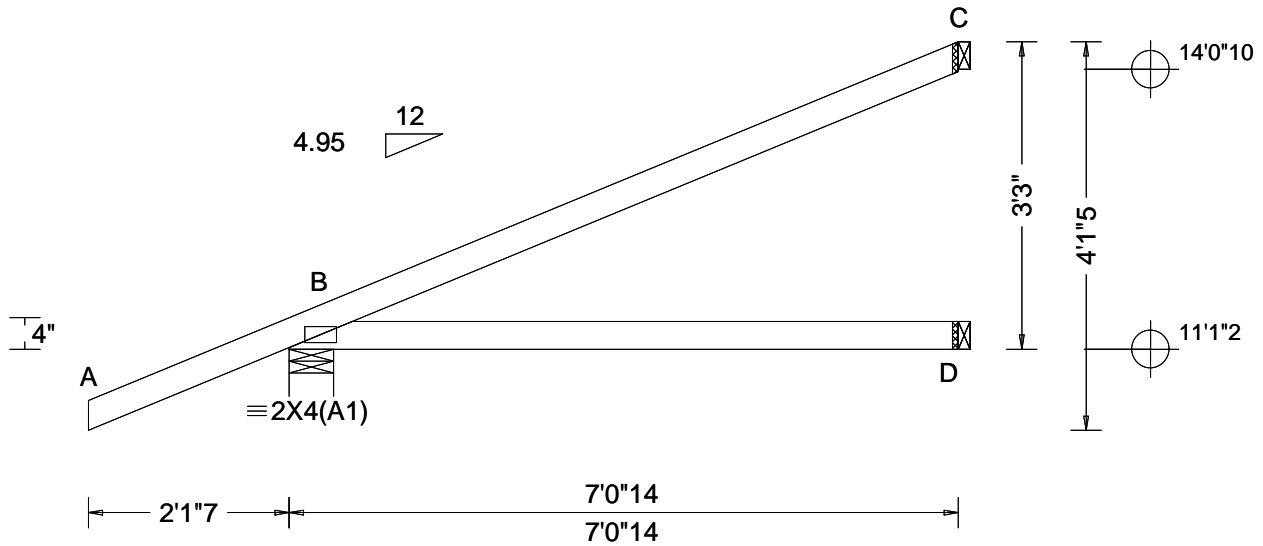


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Lumber

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

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
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 TC: From 2 plf at 0.00 to 2 plf at 7.07
 BC: From 0 plf at -2.12 to 4 plf at 0.00
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 TC: -18 lb Conc. Load at 1.48
 TC: 126 lb Conc. Load at 4.31
 BC: 9 lb Conc. Load at 1.48
 BC: 99 lb Conc. Load at 4.31

Wind

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

Additional Notes

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

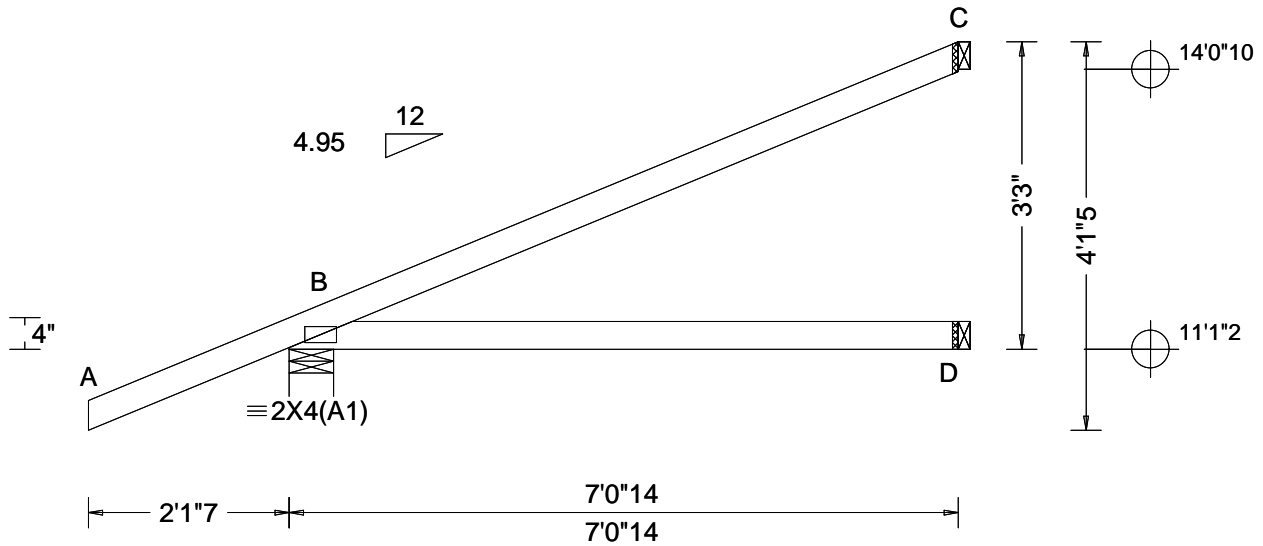


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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/R-	/Rh	/Rw	/U	/RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	B	287	-	-	-	/63	-
BCLL: 0.00	Enclosure: Enclosed	Lu: NA Cs: NA	VERT(CL): NA	D	127	-	-	/4	-	-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.022 B - -	C	84	-	-	-	/38	-
Des Ld: 40.00	EXP: C Kzt: NA	Building Code:	HORZ(TL): 0.022 B - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 15.00 ft	FBC 8th Ed. 2023 Res.	Creep Factor: 2.0	B Brg Wid = 5.7 Min Req = 1.5						
Soffit: 2.00	TCDL: 5.0 psf	TPI Std: 2014	Max TC CSI: 0.642	D Brg Wid = 1.5 Min Req = -						
Load Duration: 1.25	BCDL: 5.0 psf	Rep Fac: Varies by Ld Case	Max BC CSI: 0.528	C Brg Wid = 1.5 Min Req = -						
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	FT/RT:20(0)/10(0)	Max Web CSI: 0.000	Bearing B is a rigid surface.						
	C&C Dist a: 3.00 ft	Plate Type(s):	VIEW Ver: 24.02.00D.0611.08	Members not listed have forces less than 375#						
	Loc. from endwall: not in 4.50 ft	WAVE								
	GCp1: 0.18									
	Wind Duration: 1.60									

Lumber

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

Special Loads

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

TC: From 0 plf at -2.12 to 62 plf at 0.00
 TC: From 2 plf at 0.00 to 2 plf at 7.07
 BC: From 0 plf at -2.12 to 4 plf at 0.00
 BC: From 2 plf at 0.00 to 2 plf at 7.07
 TC: -18 lb Conc. Load at 1.48
 TC: 145 lb Conc. Load at 4.31
 BC: 9 lb Conc. Load at 1.48
 BC: 105 lb Conc. Load at 4.31

Wind

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

Additional Notes

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

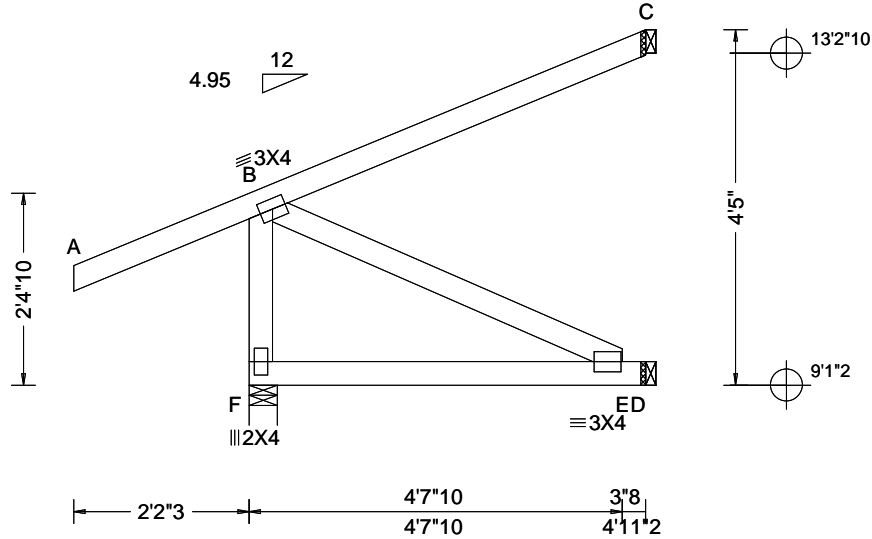


COA #0 278

03/05/2026 Florida Certificate of Product Approval #FL 1999

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Loading Criteria (psf) TCLL: 20.00 TCCL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.011 E 999 240 VERT(CL): 0.013 E 999 180 HORZ(LL): 0.005 B - - HORZ(TL): 0.006 B - - Creep Factor: 2.0 Max TC CSI: 0.355 Max BC CSI: 0.413 Max Web CSI: 0.084 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs) <table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>F</td> <td>369</td> <td>-</td> <td>-</td> <td>-</td> <td>/89</td> <td>-</td> </tr> <tr> <td>D</td> <td>99</td> <td>-</td> <td>-</td> <td>/10</td> <td>-</td> <td>-</td> </tr> <tr> <td>C</td> <td>48</td> <td>-</td> <td>-</td> <td>-</td> <td>/23</td> <td>-</td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	F	369	-	-	-	/89	-	D	99	-	-	/10	-	-	C	48	-	-	-	/23	-
				Loc		Gravity			Non-Gravity																													
R+	/R-	/Rh	/Rw		/U	/RL																																
F	369	-	-	-	/89	-																																
D	99	-	-	/10	-	-																																
C	48	-	-	-	/23	-																																
				Wind reactions based on MWFRS F Brg Wid = 4.2 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing F is a rigid surface. Members not listed have forces less than 375#																																		

Lumber

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

Special Loads

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

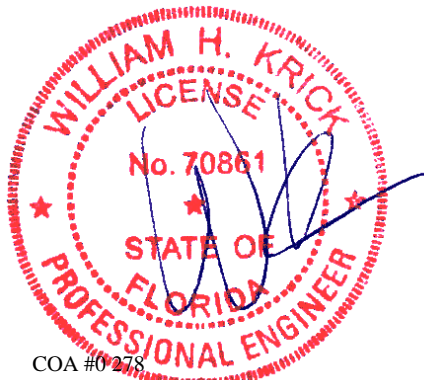
TC: From 0 plf at -2.18 to 62 plf at 0.00
 TC: From 2 plf at 0.00 to 2 plf at 4.93
 BC: From 0 plf at -2.18 to 4 plf at 0.00
 BC: From 2 plf at 0.00 to 2 plf at 4.93
 TC: 135 lb Conc. Load at -0.03
 TC: 129 lb Conc. Load at 2.16
 TC: -1 lb Conc. Load at 2.16
 BC: 121 lb Conc. Load at 2.16

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 4-5-0.

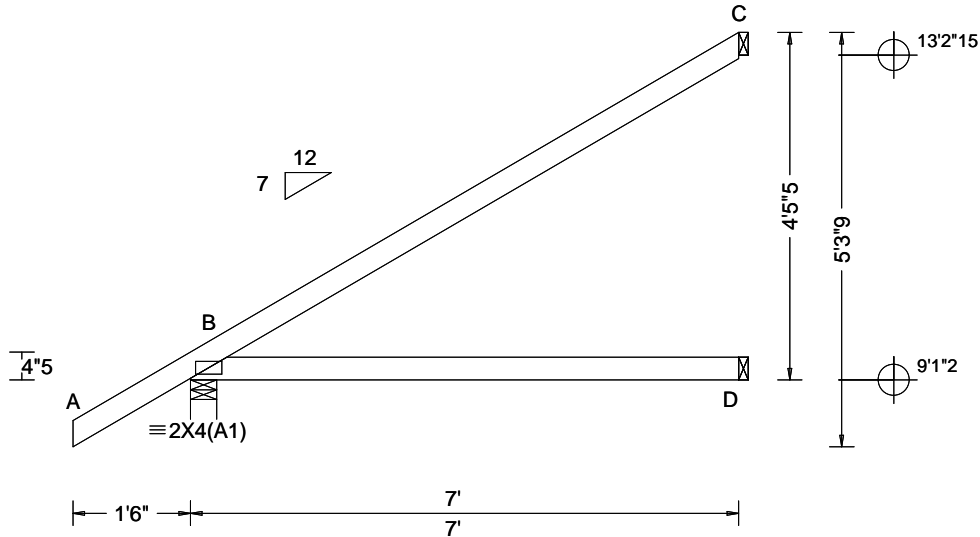


COA #0278

03/05/2026
 Florida Certificate of Product Approval #FL 1999

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Loading Criteria (psf) TCCL: 20.00 TCDL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.014 B - - HORZ(TL): 0.027 B - - Creep Factor: 2.0 Max TC CSI: 0.707 Max BC CSI: 0.520 Max Web CSI: 0.000 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs) <table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>412</td> <td>-</td> <td>-</td> <td>/191</td> <td>/34</td> <td>/169</td> </tr> <tr> <td>D</td> <td>130</td> <td>-</td> <td>-</td> <td>/79</td> <td>-</td> <td>-</td> </tr> <tr> <td>C</td> <td>190</td> <td>-</td> <td>-</td> <td>/131</td> <td>/103</td> <td>-</td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	B	412	-	-	/191	/34	/169	D	130	-	-	/79	-	-	C	190	-	-	/131	/103	-
				Loc		Gravity			Non-Gravity																													
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B	412	-	-	/191	/34	/169																																
D	130	-	-	/79	-	-																																
C	190	-	-	/131	/103	-																																
Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#																																						

Lumber

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

Wind

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

Additional Notes

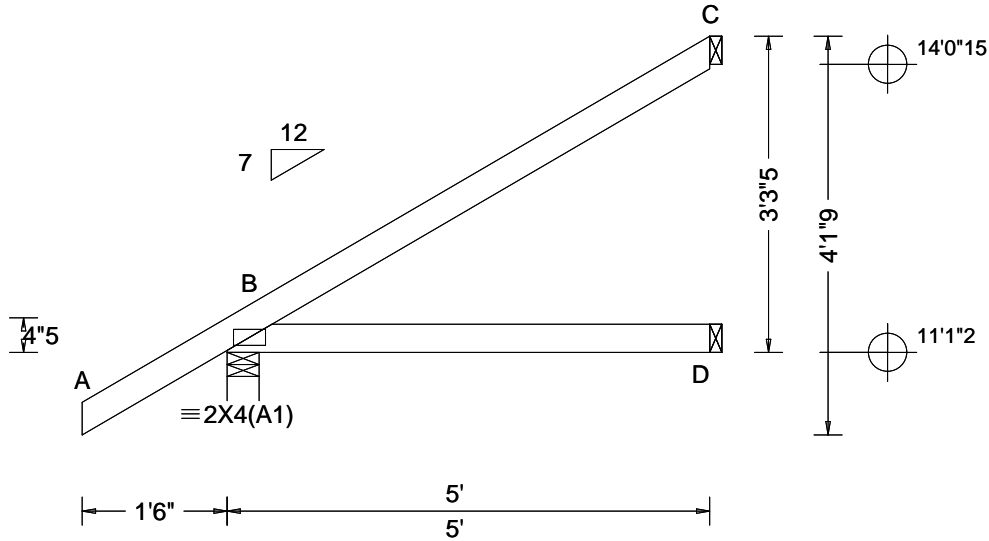
The overall height of this truss excluding overhang is 4-5-5.



COA #0218

03/05/2026
 Florida Certificate of Product Approval #FL 1999

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/R-	/Rh	/Rw	/U	/RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	B	335	-	-	/143	/3	/91
BCLL: 0.00	Enclosure: Enclosed	Lu: NA Cs: NA	VERT(CL): NA	D	90	-	-	/56	-	-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.004 B - -	C	129	-	-	/93	/46	-
Des Ld: 40.00	EXP: C Kzt: NA	Building Code:	HORZ(TL): 0.008 B - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 15.00 ft	FBC 8th Ed. 2023 Res.	Creep Factor: 2.0	B Brg Wid = 4.0 Min Req = 1.5						
Soffit: 2.00	TCDL: 5.0 psf	TPI Std: 2014	Max TC CSI: 0.357	D Brg Wid = 1.5 Min Req = -						
Load Duration: 1.25	BCDL: 5.0 psf	Rep Fac: Yes	Max BC CSI: 0.251	C Brg Wid = 1.5 Min Req = -						
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	FT/RT:20(0)/10(0)	Max Web CSI: 0.000	Bearing B is a rigid surface.						
	C&C Dist a: 3.00 ft	Plate Type(s):	VIEW Ver: 24.02.00D.0611.08	Members not listed have forces less than 375#						
	Loc. from endwall: not in 9.00 ft	WAVE								
	GCp: 0.18									
	Wind Duration: 1.60									

Lumber

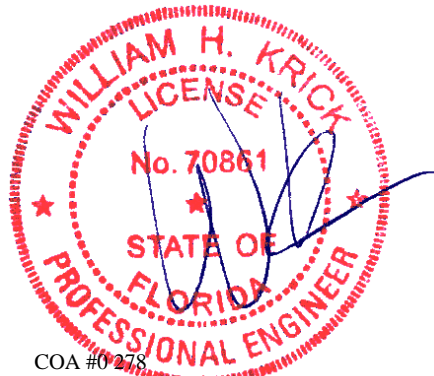
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

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

Additional Notes

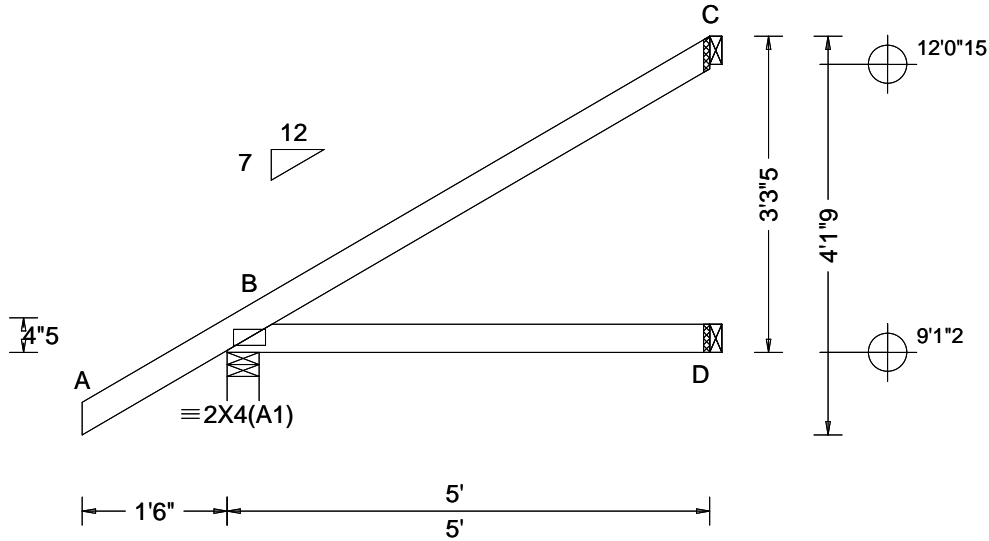
The overall height of this truss excluding overhang is 3-3-5.



COA #0278

03/05/2026 Florida Certificate of Product Approval #FL 1999

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Loading Criteria (psf) TCCL: 20.00 TCCL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.004 B - - HORZ(TL): 0.008 B - - Creep Factor: 2.0 Max TC CSI: 0.392 Max BC CSI: 0.251 Max Web CSI: 0.000 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs) <table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>335</td> <td>-</td> <td>-</td> <td>/143</td> <td>/34</td> <td>/127</td> </tr> <tr> <td>D</td> <td>90</td> <td>-</td> <td>-</td> <td>/56</td> <td>-</td> <td>-</td> </tr> <tr> <td>C</td> <td>129</td> <td>-</td> <td>-</td> <td>/93</td> <td>/72</td> <td>-</td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	B	335	-	-	/143	/34	/127	D	90	-	-	/56	-	-	C	129	-	-	/93	/72	-
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Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#																																						

Lumber

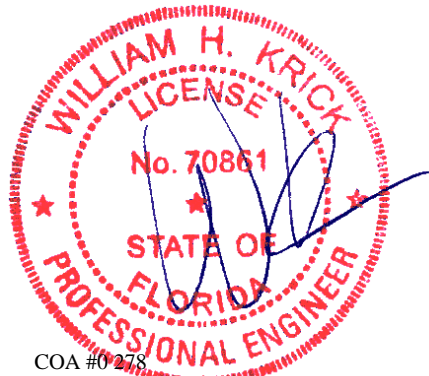
Top chord: 2x4 SP #2;
 Bot chord: 2x4 SP #2;

Wind

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

Additional Notes

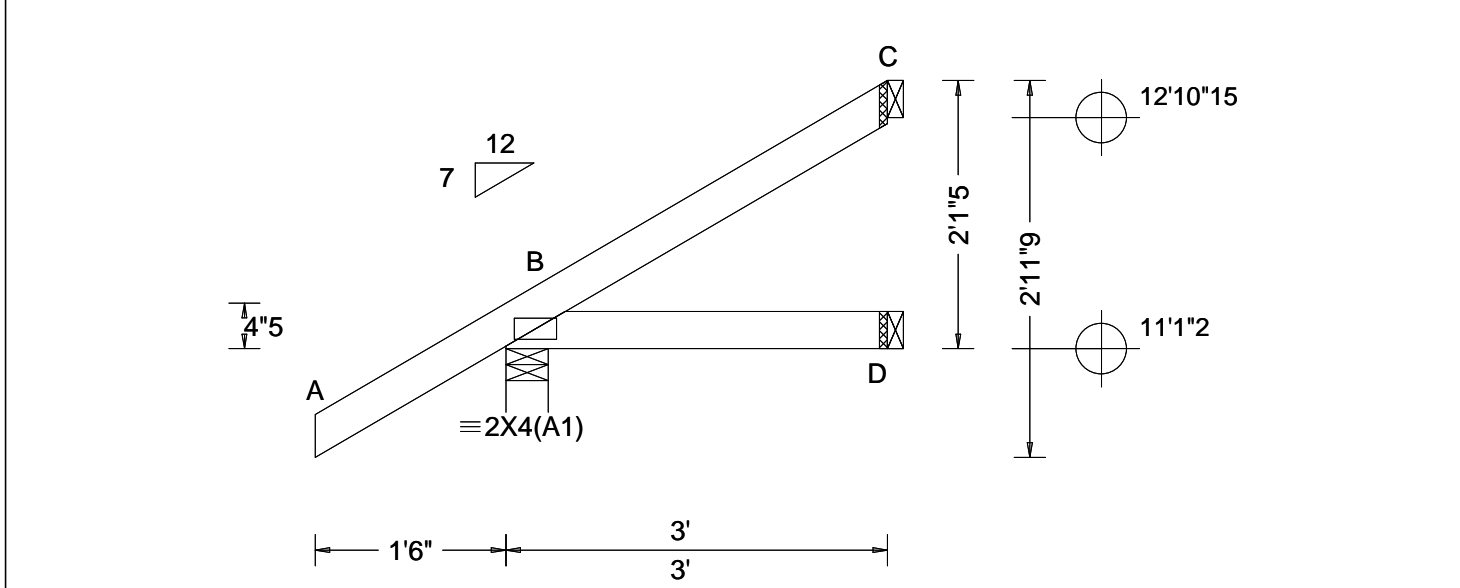
The overall height of this truss excluding overhang is 3-3-5.



COA #0278

03/05/2026 Florida State Seal of Product Approval #FI 1999

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Loading Criteria (psf) TCLL: 20.00 TCCL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.000 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.279 Max BC CSI: 0.076 Max Web CSI: 0.000 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs) <table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>265</td> <td>/-</td> <td>/-</td> <td>/103</td> <td>/36</td> <td>/86</td> </tr> <tr> <td>D</td> <td>50</td> <td>/-</td> <td>/-</td> <td>/33</td> <td>/-</td> <td>/-</td> </tr> <tr> <td>C</td> <td>63</td> <td>/-</td> <td>/-</td> <td>/55</td> <td>/38</td> <td>/-</td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	B	265	/-	/-	/103	/36	/86	D	50	/-	/-	/33	/-	/-	C	63	/-	/-	/55	/38	/-
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Lumber

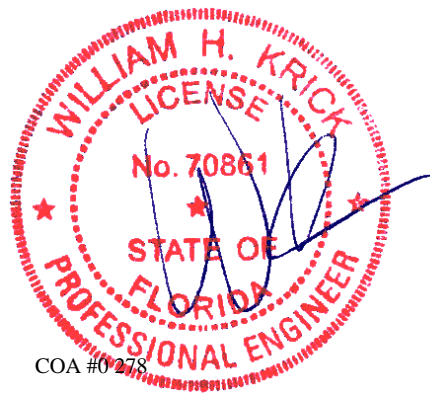
Top chord: 2x4 SP #2;
 Bot chord: 2x4 SP #2;

Wind

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

Additional Notes

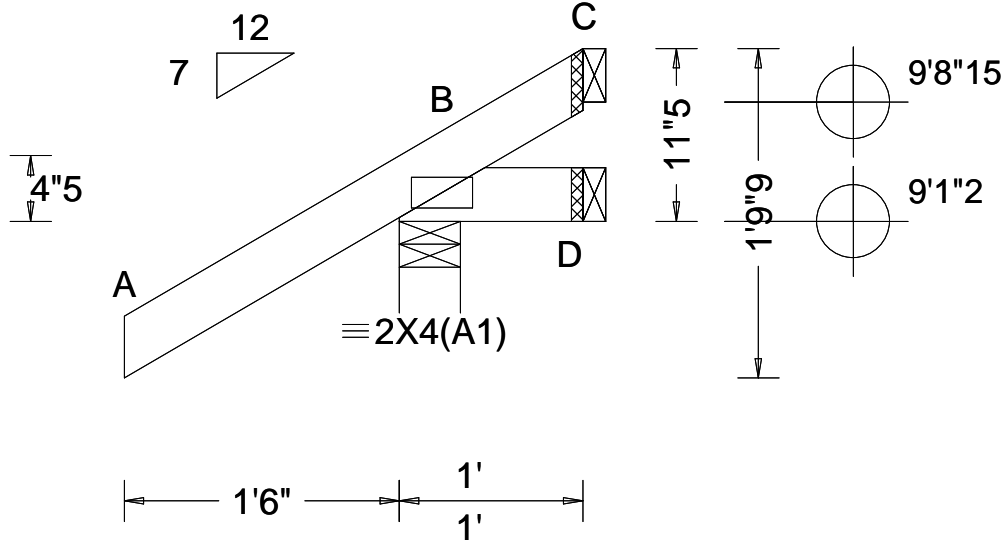
The overall height of this truss excluding overhang is 2-1-5.



COA #0278

03/05/2026
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Loading Criteria (psf) TCCL: 20.00 TCCL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.322 Max BC CSI: 0.040 Max Web CSI: 0.000 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs) <table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>257</td> <td>/-</td> <td>/-</td> <td>/78</td> <td>/62</td> <td>/44</td> </tr> <tr> <td>D</td> <td>5</td> <td>/-17</td> <td>/-</td> <td>/15</td> <td>/-</td> <td>/-</td> </tr> <tr> <td>C</td> <td>-</td> <td>/-55</td> <td>/-</td> <td>/35</td> <td>/9</td> <td>/-</td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	B	257	/-	/-	/78	/62	/44	D	5	/-17	/-	/15	/-	/-	C	-	/-55	/-	/35	/9	/-
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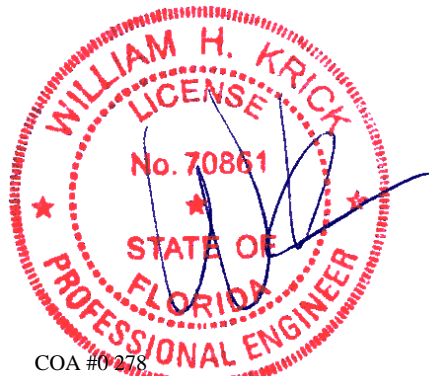
Top chord: 2x4 SP #2;
 Bot chord: 2x4 SP #2;

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 0-11-5.

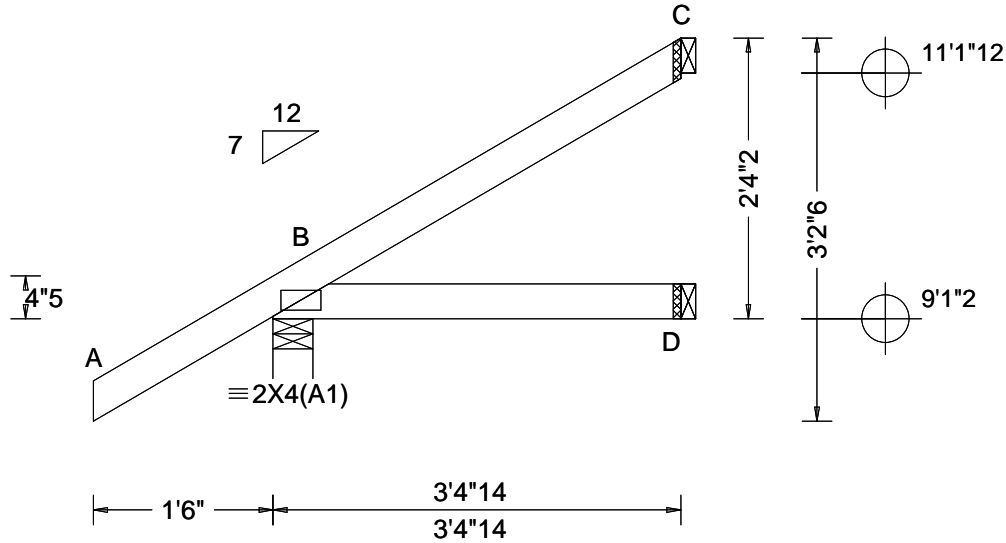


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Loading Criteria (psf) TCCL: 20.00 TCCL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 B - - HORZ(TL): 0.002 B - - Creep Factor: 2.0 Max TC CSI: 0.322 Max BC CSI: 0.104 Max Web CSI: 0.000 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs) <table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>278</td> <td>/-</td> <td>/-</td> <td>/111</td> <td>/35</td> <td>/94</td> </tr> <tr> <td>D</td> <td>58</td> <td>/-</td> <td>/-</td> <td>/37</td> <td>/-</td> <td>/-</td> </tr> <tr> <td>C</td> <td>77</td> <td>/-</td> <td>/-</td> <td>/62</td> <td>/46</td> <td>/-</td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	B	278	/-	/-	/111	/35	/94	D	58	/-	/-	/37	/-	/-	C	77	/-	/-	/62	/46	/-
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Lumber

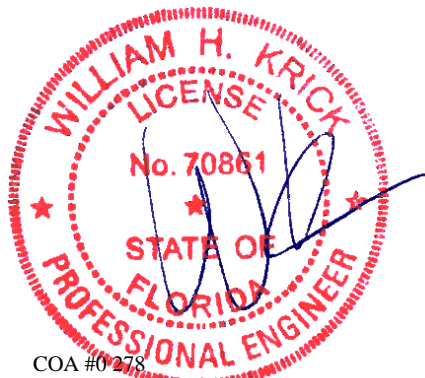
Top chord: 2x4 SP #2;
 Bot chord: 2x4 SP #2;

Wind

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

Additional Notes

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

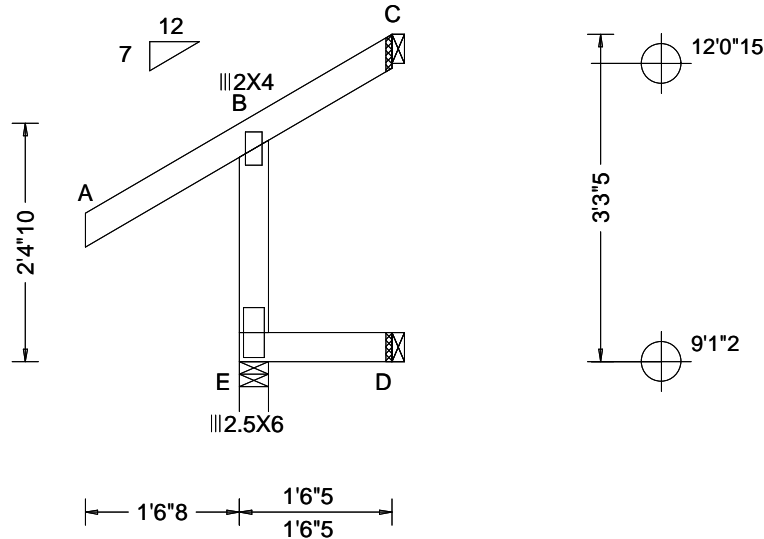


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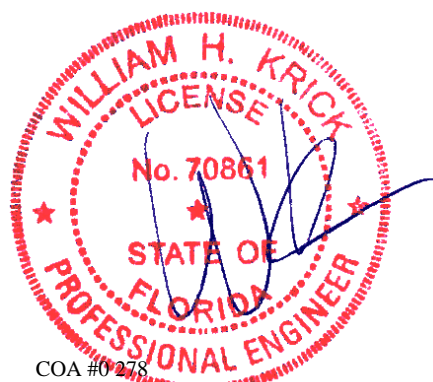
Top chord: 2x4 SP #2;
 Bot chord: 2x4 SP #2;
 Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.
 Left 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 3-3-5.

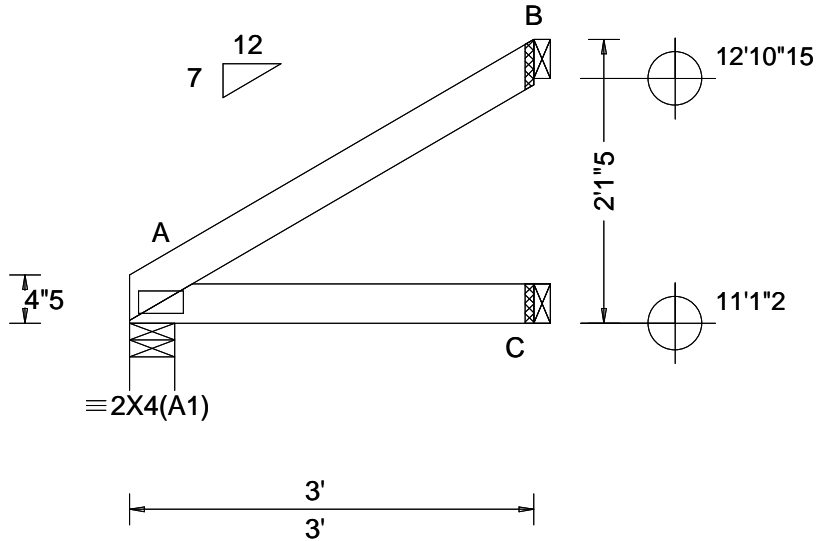


COA #0278
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SEQN: 436572 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 26-3646 Lot 6 Hills of Huntsville - Gonzalez Truss Label: J08	Cust: R215 JRef: 1Y152150004 T3 DrwNo: 063.26.1026.57623 KD / WHK 03/04/2026
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Loading Criteria (psf) TCCL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 A - - HORZ(TL): 0.003 A - - Creep Factor: 2.0 Max TC CSI: 0.157 Max BC CSI: 0.093 Max Web CSI: 0.000 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs) <table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>131</td> <td>/-</td> <td>/-</td> <td>/81</td> <td>/0</td> <td>/61</td> </tr> <tr> <td>C</td> <td>55</td> <td>/-</td> <td>/-</td> <td>/33</td> <td>/-</td> <td>/-</td> </tr> <tr> <td>B</td> <td>82</td> <td>/-</td> <td>/-</td> <td>/55</td> <td>/45</td> <td>/-</td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	A	131	/-	/-	/81	/0	/61	C	55	/-	/-	/33	/-	/-	B	82	/-	/-	/55	/45	/-
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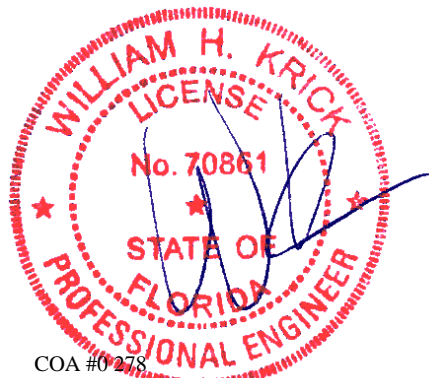
Top chord: 2x4 SP #2;
 Bot chord: 2x4 SP #2;

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 2-1-5.



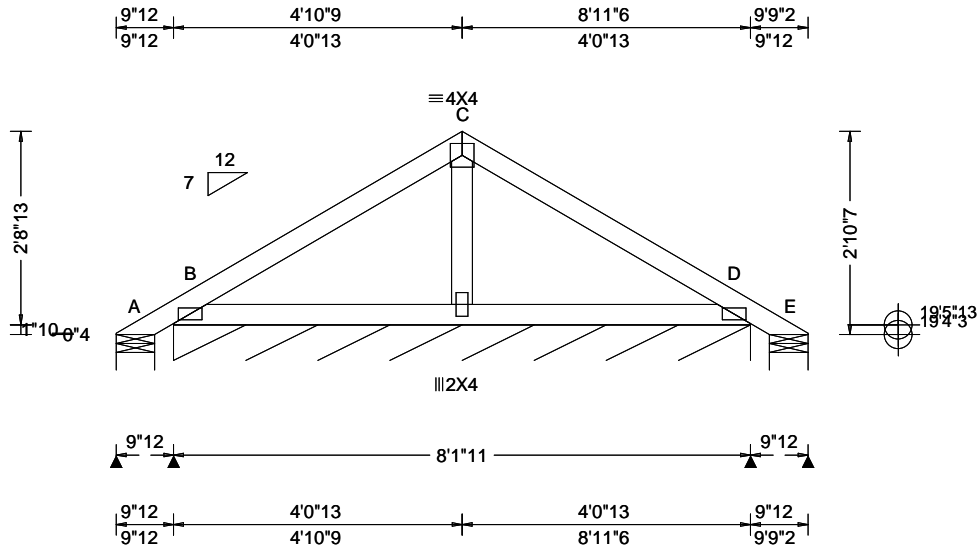
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SEQN: 436573 FROM: RFG	SPEC Ply: 1 Qty: 8	Job Number: 26-3646 Lot 6 Hills of Huntsville - Gonzalez Truss Label: PB01	Cust: R215 JRef: 1Y152150004 T26 DrwNo: 063.26.1027.00990 KD / WHK 03/04/2026
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Loading Criteria (psf) TCCL: 20.00 TCDL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.40 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 13.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.000 - - 240 VERT(CL): 0.000 - - 180 HORZ(LL): 0.000 - - - HORZ(TL): 0.000 - - - Creep Factor: 2.0 Max TC CSI: 0.187 Max BC CSI: 0.133 Max Web CSI: 0.024 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs), or *=PLF <table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>-</td> <td>/-73</td> <td>/-</td> <td>/69</td> <td>/98</td> <td>/74</td> </tr> <tr> <td>B*</td> <td>94</td> <td>/-</td> <td>/-</td> <td>/64</td> <td>/14</td> <td>/-</td> </tr> <tr> <td>E</td> <td>-</td> <td>/-73</td> <td>/-</td> <td>/32</td> <td>/61</td> <td>/-</td> </tr> </tbody> </table> Wind reactions based on MWFRS A Brg Wid = 6.5 Min Req = 1.5 (Truss) B Brg Wid = 97.7 Min Req = - E Brg Wid = 6.5 Min Req = 1.5 (Truss) Bearings A, B, & E are a rigid surface. Members not listed have forces less than 375#	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	A	-	/-73	/-	/69	/98	/74	B*	94	/-	/-	/64	/14	/-	E	-	/-73	/-	/32	/61	/-
Loc	Gravity			Non-Gravity																																		
	R+	/R-	/Rh	/Rw	/U	/RL																																
A	-	/-73	/-	/69	/98	/74																																
B*	94	/-	/-	/64	/14	/-																																
E	-	/-73	/-	/32	/61	/-																																

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.

Purlins

In lieu of rigid ceiling use purlins to brace BC @ 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

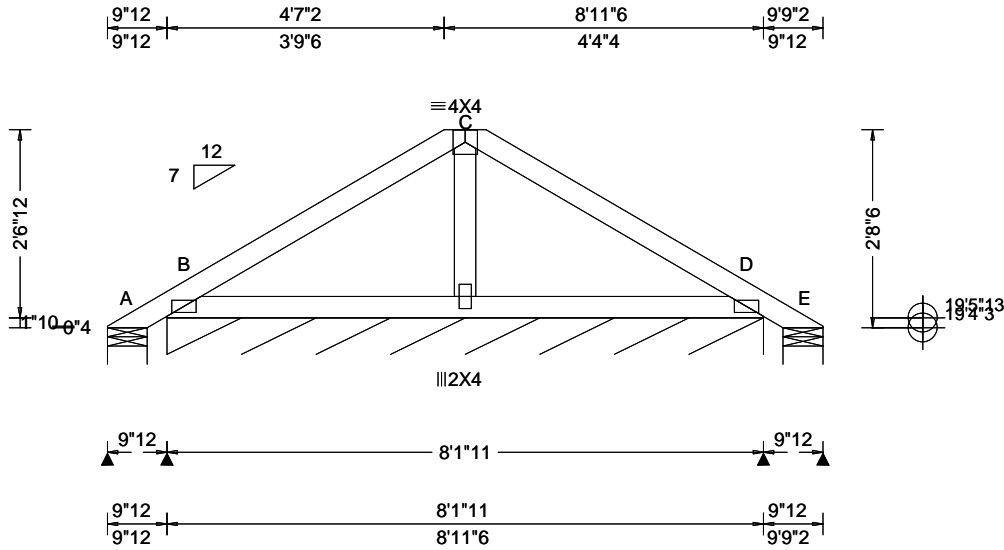
Refer to DWG PB160220723 for piggyback details.
 The overall height of this truss excluding overhang is 2-10-7.



COA #0278
 03/05/2026
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Loading Criteria (psf) TCCL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 17.74 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 GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.001 B 999 240 VERT(CL): 0.003 B 999 180 HORZ(LL): 0.001 B - - HORZ(TL): 0.002 B - - Creep Factor: 2.0 Max TC CSI: 0.187 Max BC CSI: 0.132 Max Web CSI: 0.024 VIEW Ver: 24.02.00D.0611.08	▲ Maximum Reactions (lbs), or *=PLF <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>-</td> <td>/-73</td> <td>/-</td> <td>/67</td> <td>/93</td> <td>/69</td> </tr> <tr> <td>B*</td> <td>94</td> <td>/-</td> <td>/-</td> <td>/60</td> <td>/34</td> <td>/-</td> </tr> <tr> <td>E</td> <td>-</td> <td>/-73</td> <td>/-</td> <td>/45</td> <td>/59</td> <td>/-</td> </tr> </tbody> </table> <p>Wind reactions based on MWFRS A Brg Wid = 6.5 Min Req = 1.5 (Truss) B Brg Wid = 97.7 Min Req = - E Brg Wid = 6.5 Min Req = 1.5 (Truss) Bearings A, B, & E are a rigid surface. Members not listed have forces less than 375#</p>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	A	-	/-73	/-	/67	/93	/69	B*	94	/-	/-	/60	/34	/-	E	-	/-73	/-	/45	/59	/-
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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.

Purlins

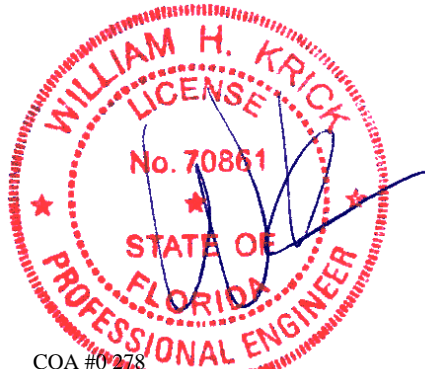
In lieu of rigid ceiling use purlins to brace BC @ 24" oc.

Wind

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

Additional Notes

Refer to DWG PB160220723 for piggyback details.
 The overall height of this truss excluding overhang is 2-8-6.

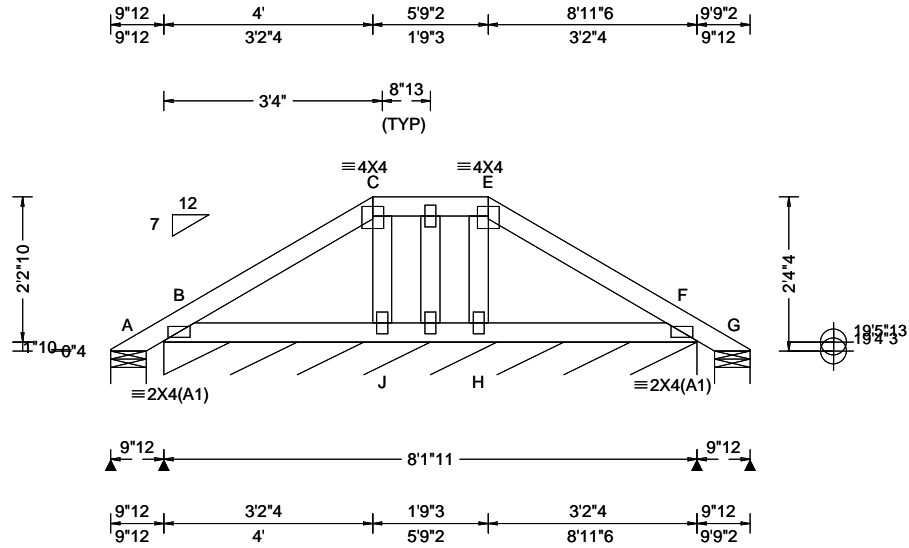


COA #0278

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF																															
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Gravity		Non-Gravity																																	
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B*	84 /-	/-	/56	/13	/-																														
G	- /-31	/-	/14	/25	/-																														

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Purlins

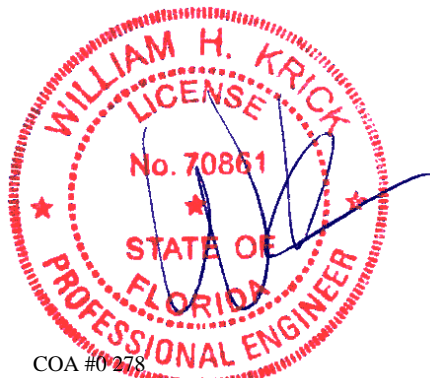
In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" oc, all BC @ 24" oc.

Wind

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

Additional Notes

Refer to DWG PB160220723 for piggyback details.
 The overall height of this truss excluding overhang is 2-4-4.



COA #0278

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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.

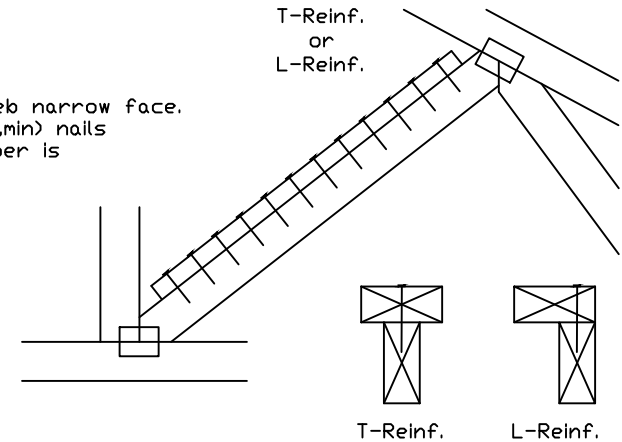
Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf.	Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(*)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(*)

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.

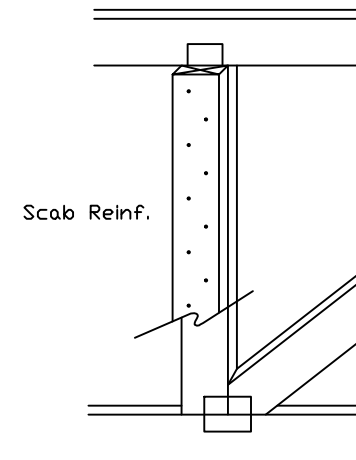
T-Reinforcement or L-Reinforcement:

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



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

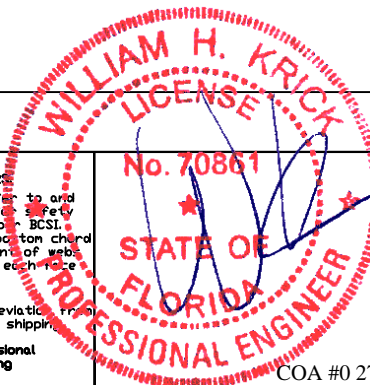
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IC LL	PSF	REF	CLR Subst.
TC DL	PSF	DATE	01/02/19
BC DL	PSF	DRWG	BRCLBSUB0119
BC LL	PSF		
TOT. LD.	PSF		
DUR	5 YEARS		
SPACING			

COA #0 278
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Piggyback Detail - ASCE 7-22: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

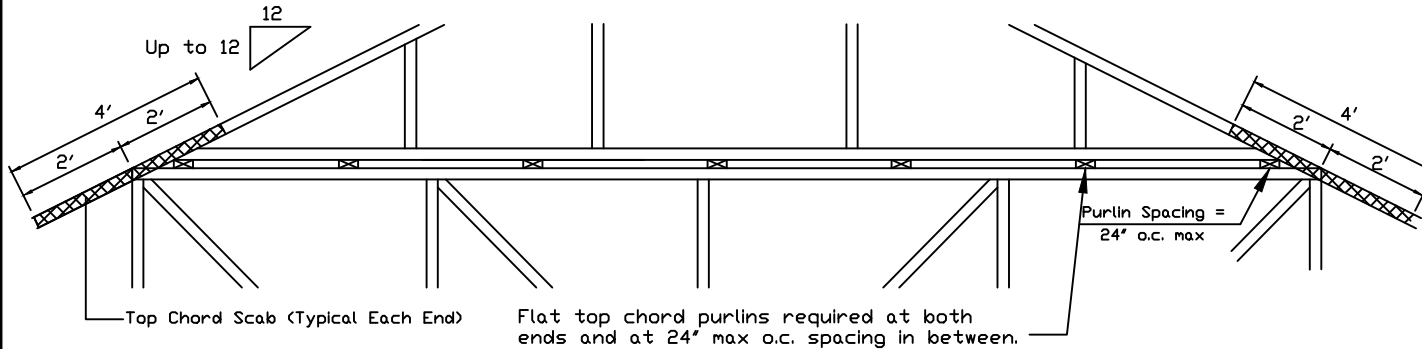
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-22, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0.
 Or 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-22, Enclosed Bldg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

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

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

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

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

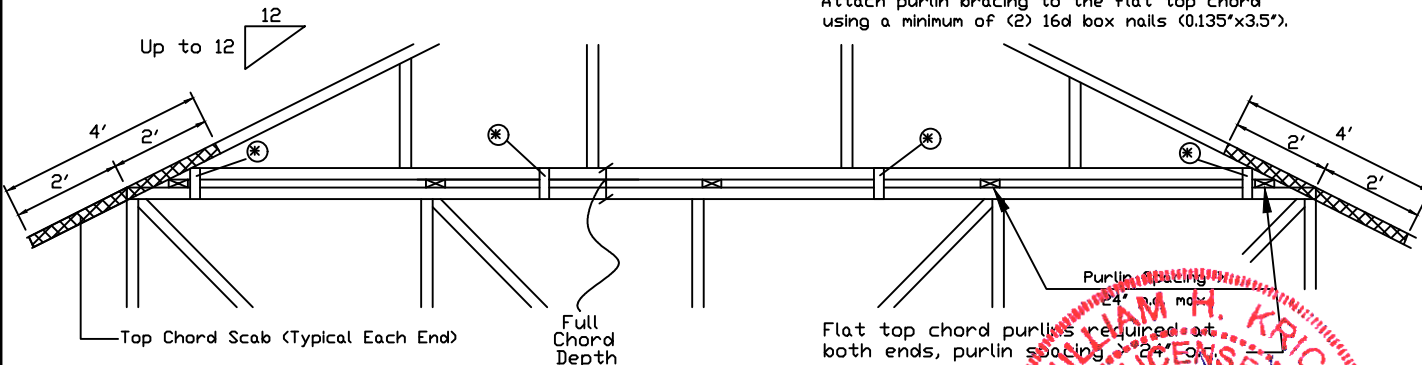


Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

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

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

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



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

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

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

<p>* In addition, provide connection with one of the following methods:</p>
<p>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.</p>
<p>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.</p>
<p>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.</p>
<p>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.</p>

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No. 70861

STATE OF FLORIDA
 PROFESSIONAL ENGINEER

COA #0 278
 Florida Certified Product Approval #FL 1999

03/05/2026
SPACING 24.0

REF	PIGGYBACK
DATE	07/03/2023
DRWG	PB160220723