

07/17/2025  
 COA#0-278  
 Florida Certificate of Product Approval #FL1999

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Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 25-2306B
Job Description: MOSS	
Address: Lot 29 cobblestone S/D, Lake City, FL 32055	

Job Engineering Criteria:	
Design Code: FBC 8th Ed. 2023 Res.	IntelliVIEW Version: 23.02.04 through 24.02.00D JRef #: 1YbQ2150002
Wind Standard: ASCE 7-22      Wind Speed (mph): 130	Design Loading (psf): 40.00
Building Type: Closed	

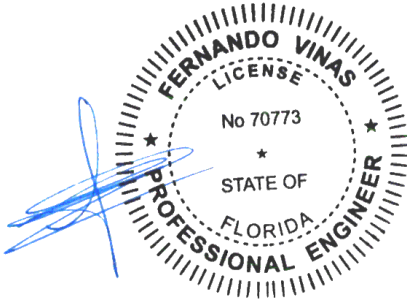
This package contains general notes pages, 73 truss drawing(s) and 4 detail(s).

Item	Drawing Number	Truss
1	197.25.1049.58877	A1
3	197.25.1050.06693	B1E
5	197.25.1051.01343	B3G
7	197.25.1051.05973	D1
9	197.25.1051.21517	D2
11	197.25.1051.26357	G1
13	197.25.1053.14830	G3
15	197.25.1053.19717	G5
17	197.25.1053.24453	G7
19	197.25.1053.29640	G9
21	197.25.1051.31760	G11
23	197.25.1051.38737	G13
25	197.25.1052.27277	G15
27	197.25.1052.31777	G17
29	197.25.1053.49940	H1
31	197.25.1054.06817	H3
33	197.25.1054.21197	H5
35	197.25.1056.57553	H7
37	197.25.1057.31150	H9
39	197.25.1057.33617	HJ1
41	197.25.1057.37597	J1
43	197.25.1057.41073	J3A
45	197.25.1057.44227	J5A
47	197.25.1057.48153	K1

Item	Drawing Number	Truss
2	197.25.1050.00743	B1
4	197.25.1050.08697	B2
6	197.25.1051.03583	C1
8	197.25.1051.18953	D1E
10	197.25.1051.23570	D3
12	197.25.1053.12377	G2
14	197.25.1053.17287	G4
16	197.25.1053.22143	G6
18	197.25.1053.27133	G8
20	197.25.1051.29087	G10
22	197.25.1051.34427	G12
24	197.25.1052.25017	G14
26	197.25.1052.29430	G16
28	197.25.1053.09760	G18
30	197.25.1053.55333	H2
32	197.25.1054.12840	H4
34	197.25.1056.01353	H6
36	197.25.1057.28930	H8
38	197.25.1053.53023	H10
40	197.25.1057.36083	HJ2
42	197.25.1057.39117	J3
44	197.25.1057.42660	J5
46	197.25.1057.45800	J7
48	197.25.1057.50300	K2



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



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Site Information:	Page 2:
Customer: W. B. Howland Company, Inc.	Job Number: 25-2306B
Job Description: MOSS	
Address: Lot 29 cobblestone S/D, Lake City, FL 32055	

Item	Drawing Number	Truss
49	197.25.1057.52543	K3
51	197.25.1057.56907	K5
53	197.25.1058.17283	K7G
55	197.25.1058.19073	L2
57	197.25.1058.25840	MV1
59	197.25.1058.33700	MV3
61	197.25.1058.27463	MV11
63	197.25.1058.30703	MV13
65	197.25.1058.38770	V1
67	197.25.1058.48630	V3
69	197.25.1058.53107	V5
71	197.25.1058.42013	V12
73	197.25.1058.45283	V14
75	PB160220723	
77	VALTN220723	

Item	Drawing Number	Truss
50	197.25.1057.54733	K4
52	197.25.1057.59177	K6
54	197.25.0524.20670	L1
56	197.25.1058.24320	L3
58	197.25.1058.32200	MV2
60	197.25.1058.35413	MV4
62	197.25.1058.29127	MV12
64	197.25.1058.37120	P1
66	197.25.1058.46960	V2
68	197.25.1058.50197	V4
70	197.25.1058.40390	V11
72	197.25.1058.43693	V13
74	BRCLBSUB0119	
76	VAL180220723	

## **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](http://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.

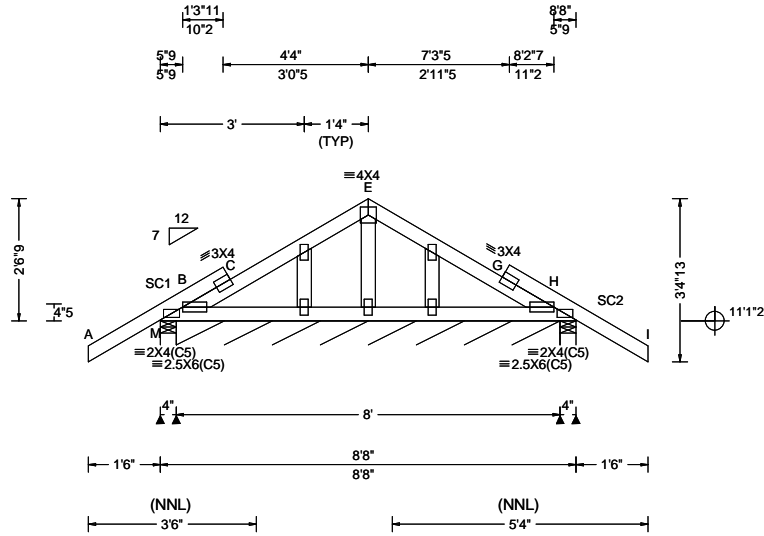
W = Width of non-hanger bearing, in inches.

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 Catoclin Circle SE, Suite 201; Leesburg, VA 20175; [www.awc.org](http://www.awc.org).
2. ICC: International Code Council; [www.iccsafe.org](http://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](http://www.alpineitw.com).
4. TPI: Truss Plate Institute, 2670 Crain Highway, Suite 203, Waldorf, MD 20601; [www.tpinst.org](http://www.tpinst.org).
5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; [www.sbcacomponents.com](http://www.sbcacomponents.com)



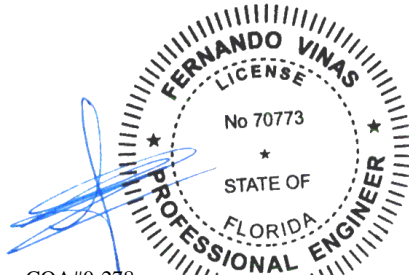
<b>Loading Criteria (psf)</b>	<b>Wind Criteria</b>	<b>Snow Criteria (Pg, Pf in PSF)</b>	<b>Defl/CSI Criteria</b>	<b>▲ Maximum Reactions (lbs), or *=PLF</b>																																		
TCCL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 G 999 240 VERT(CL): 0.003 G 999 180 HORZ(LL): -0.000 B - - HORZ(TL): 0.002 G - - Creep Factor: 2.0 Max TC CSI: 0.367 Max BC CSI: 0.039 Max Web CSI: 0.061 VIEW Ver: 24.02.00D.0114.10	<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>M</td> <td>405</td> <td>-</td> <td>-</td> <td>/126</td> <td>/274</td> <td>/94</td> </tr> <tr> <td>B*</td> <td>72</td> <td>-</td> <td>-</td> <td>/46</td> <td>/23</td> <td>-</td> </tr> <tr> <td>H</td> <td>405</td> <td>-</td> <td>-</td> <td>/127</td> <td>/274</td> <td>-</td> </tr> </tbody> </table> Wind reactions based on MWFRS M Brg Wid = 4.0 Min Req = 1.5 (Truss) B Brg Wid = 96.0 Min Req = - H Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings M, B, & H are a rigid surface. Members not listed have forces less than 375#	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	M	405	-	-	/126	/274	/94	B*	72	-	-	/46	/23	-	H	405	-	-	/127	/274	-
Loc	Gravity			Non-Gravity																																		
	R+	/R-	/Rh	/Rw	/U	/RL																																
M	405	-	-	/126	/274	/94																																
B*	72	-	-	/46	/23	-																																
H	405	-	-	/127	/274	-																																

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

**Plating Notes**  
 All plates are 2X4 except as noted.

**Loading**  
 Truss designed to support 1-6-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

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



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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: 689913	GABL	Ply: 1	Job Number: 25-2306B	Cust: R215 JRef: 1YbQ2150002 T9
FROM: CDM		Qty: 1	MOSS	DrwNo: 197.25.1049.58877
Page 2 of 2			Truss Label: A1	JKS / FV 07/16/2025

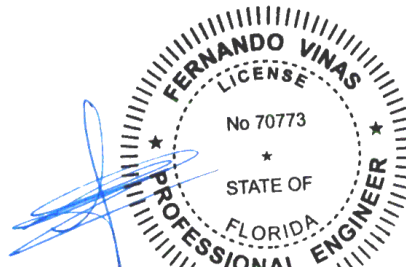
**Additional Notes**

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

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

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.

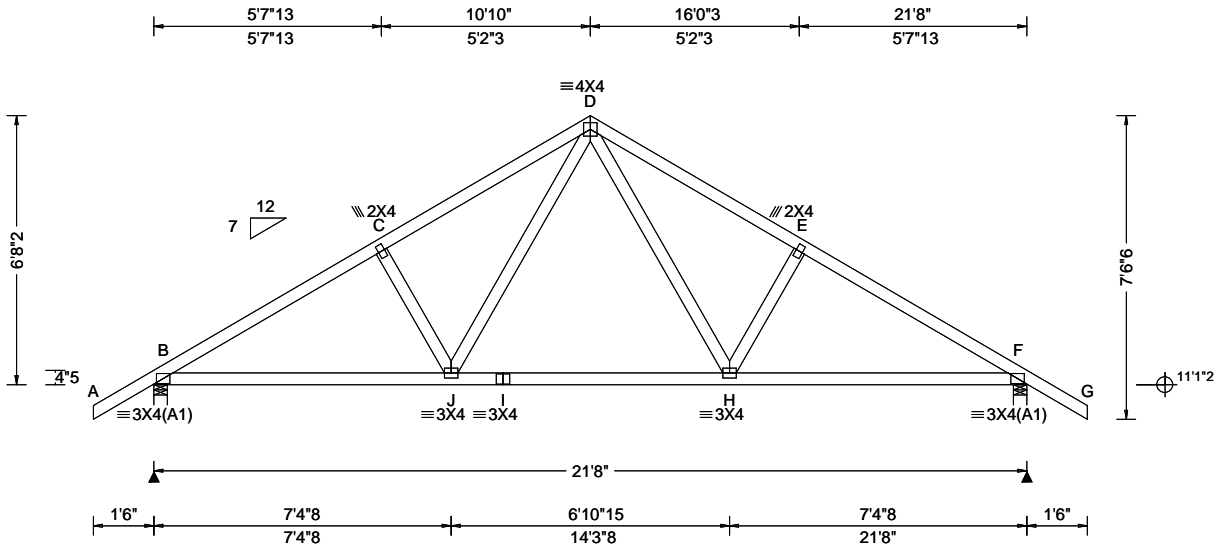
The overall height of this truss excluding overhang is 2-6-9.



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 For more information see these web sites: Alpine: [alpineitw.com](http://alpineitw.com); TPI: [tpinst.org](http://tpinst.org); SBCA: [sbcacomponents.com](http://sbcacomponents.com); ICC: [iccsafe.org](http://iccsafe.org); AWC: [awc.org](http://awc.org)





<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCp: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.045 J 999 240 VERT(CL): 0.088 J 999 180 HORZ(LL): 0.019 F - - HORZ(TL): 0.036 F - - Creep Factor: 2.0 Max TC CSI: 0.278 Max BC CSI: 0.521 Max Web CSI: 0.196  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> 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 (Truss) F Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings B & F are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - C 435 -1465 D - E 472 -1308 C - D 472 -1308 E - F 434 -1465  <b>Maximum Bot Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - J 1194 -235 I - H 812 -50 J - I 812 -50 H - F 1194 -242  <b>Maximum Web Forces Per Ply (lbs)</b> Webs Tens.Comp. Webs Tens. Comp. J - D 514 -160 D - H 513 -160
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**Lumber**

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

**Loading**

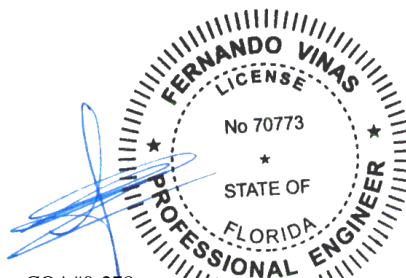
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

**Wind**

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

**Additional Notes**

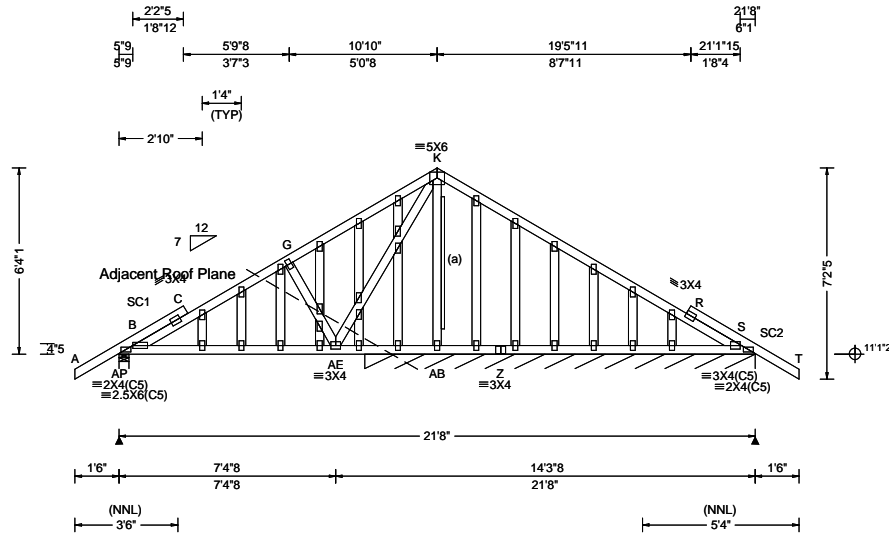
The overall height of this truss excluding overhang is 6-8-2.



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<b>Loading Criteria (psf)</b> TCLL: 20.00 TC DL: 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TC DL: 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	<b>Snow Criteria (Pg, Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.048 AI 999 240 VERT(CL): 0.101 AI 963 180 HORZ(LL): 0.021 D - - HORZ(TL): 0.044 D - - Creep Factor: 2.0 Max TC CSI: 0.418 Max BC CSI: 0.415 Max Web CSI: 0.726 VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs), or *=PLF</b> <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>AP 659</td> <td>-</td> <td>-</td> <td>-</td> <td>/253</td> <td>/128</td> <td>/244</td> </tr> <tr> <td>S* 189</td> <td>-</td> <td>-</td> <td>-</td> <td>/79</td> <td>/36</td> <td>-</td> </tr> </tbody> </table> <p>Wind reactions based on MWFRS          AP Brg Wid = 4.0 Min Req = 1.5 (Truss)          S Brg Wid = 159 Min Req = -          Bearings AP &amp; AD are a rigid surface.          Members not listed have forces less than 375#  <b>Maximum Top Chord Forces Per Ply (lbs)</b>          Chords Tens.Comp.</p> <table style="width:100%; border-collapse: collapse;"> <tr> <td>B - C</td> <td>201</td> <td>-408</td> </tr> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	AP 659	-	-	-	/253	/128	/244	S* 189	-	-	-	/79	/36	-	B - C	201	-408
Loc	Gravity			Non-Gravity																														
	R+	/R-	/Rh	/Rw	/U	/RL																												
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S* 189	-	-	-	/79	/36	-																												
B - C	201	-408																																

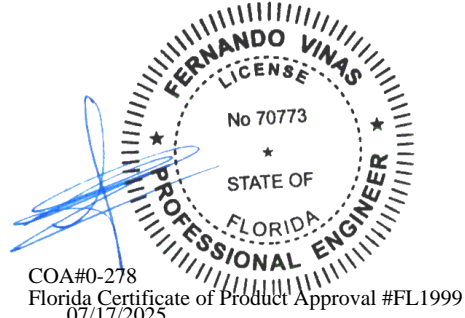
**Lumber**  
 Top chord: 2x4 SP #2;  
 Bot chord: 2x4 SP #2;  
 Webs: 2x4 SP #3;  
 Stack Chord: SC1 2x4 SP #2;  
 Stack Chord: SC2 2x4 SP #2;

**Plating Notes**  
 All plates are 2X4 except as noted.

**Loading**  
 Truss designed to support 1-6-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

**Wind**  
 Wind loads based on MWFRS with additional C&C member design.  
 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/244.

**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.



**Maximum Bot Chord Forces Per Ply (lbs)**  
 Chords Tens.Comp.

AE-AB	662	-356
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**Maximum Web Forces Per Ply (lbs)**  
 Webs Tens.Comp.

G -AE	291	-604
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**Maximum Gable Forces Per Ply (lbs)**  
 Gables Tens.Comp.

K -AB	28	-509
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SEQN: 689919	GABL	Ply: 1	Job Number: 25-2306B	Cust: R215 JRef: 1YbQ2150002 T13
FROM: RFG		Qty: 1	MOSS	DrwNo: 197.25.1050.06693
Page 2 of 2			Truss Label: B1E	JKS / FV 07/16/2025

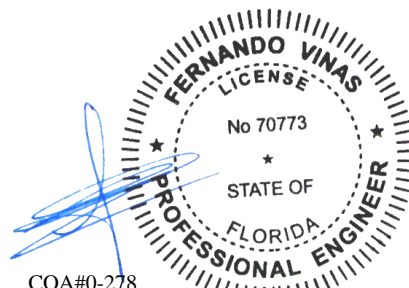
**Additional Notes**

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

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

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.

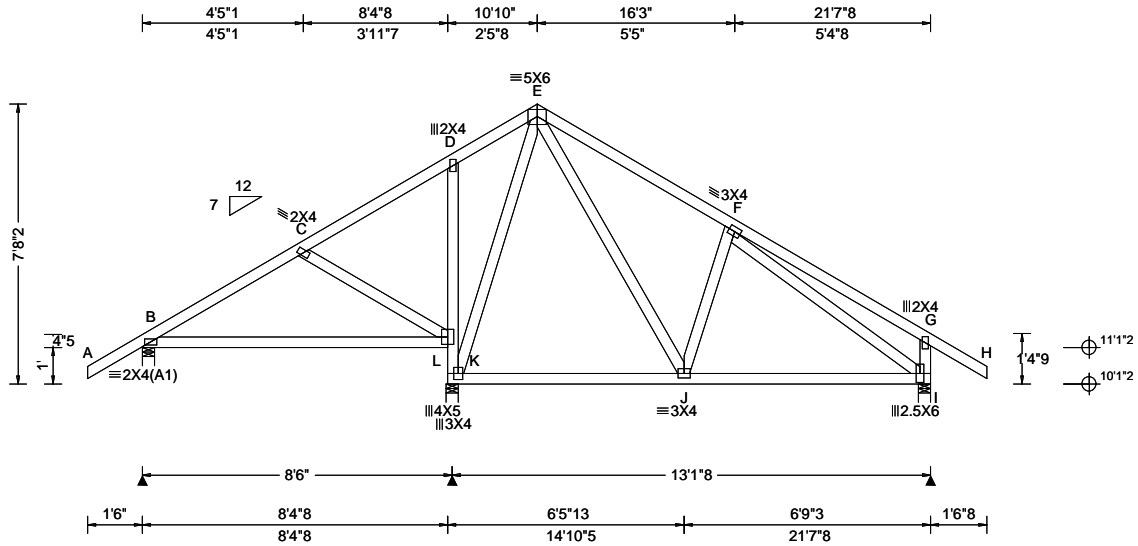
The overall height of this truss excluding overhang is 6-4-1.



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<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.011 F 999 240 VERT(CL): 0.025 B 999 180 HORZ(LL): 0.005 B - - HORZ(TL): 0.016 B - - Creep Factor: 2.0 Max TC CSI: 0.400 Max BC CSI: 0.596 Max Web CSI: 0.517  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 450 /- /- /222 /161 /213 K 929 /- /- /629 /21 /- I 637 /- /- /382 /166 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) K Brg Wid = 4.0 Min Req = 1.5 (Truss) I Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings B, K, & I are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. E - F 335 -492  <b>Maximum Bot Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. J - I 426 -83  <b>Maximum Web Forces Per Ply (lbs)</b> Webs Tens.Comp. Webs Tens. Comp. L - K 189 -446 E - J 477 -124 K - E 0 -454 F - I 101 -511
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**Lumber**

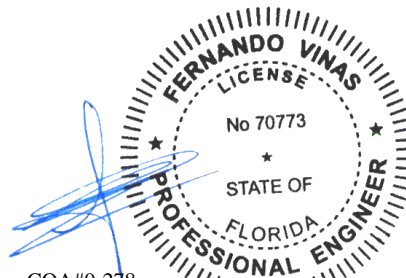
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

**Wind**

Wind loads based on MWFRS with additional C&C member design.  
Right end vertical exposed to wind pressure.  
Deflection meets L/360.  
Wind loading based on both gable and hip roof types.

**Additional Notes**

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

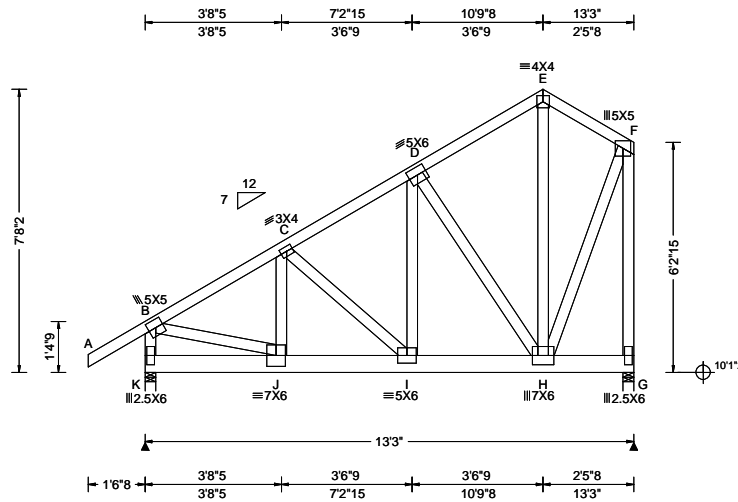


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2 Complete Trusses Required



<b>Loading Criteria (psf)</b> TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.045 I 999 240 VERT(CL): 0.089 I 999 180 HORZ(LL): 0.013 C - - HORZ(TL): 0.026 C - - Creep Factor: 2.0 Max TC CSI: 0.177 Max BC CSI: 0.253 Max Web CSI: 0.871  VIEW Ver: 24.02.00D.0114.10	<b>Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL K 4575 -/- /- /170 -/ G 4907 -/- /- /168 -/ Wind reactions based on MWFRS K Brg Wid = 3.5 Min Req = 1.9 (Truss) G Brg Wid = 3.5 Min Req = 2.0 (Truss) Bearings K & G are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - C 83 -2611 D - E 38 -866 C - D 72 -1955 E - F 33 -852
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**Lumber**

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

**Nailnote**

Nail Schedule: 0.131"x3", min. nails  
Top Chord: 1 Row @ 12.00" o.c.  
Bot Chord: 2 Rows @ 5.00" o.c. (Each Row)  
Webs : 1 Row @ 4" o.c.  
Use equal spacing between rows and stagger nails in each row to avoid splitting.

**Special Loads**

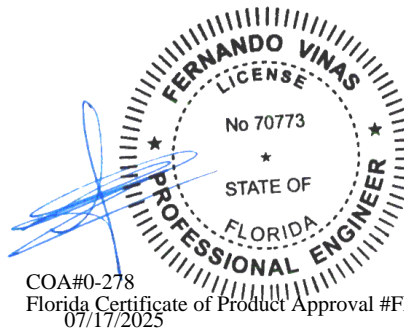
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 63 plf at -1.54 to 63 plf at 13.25  
BC: From 5 plf at -1.54 to 5 plf at 0.00  
BC: From 20 plf at 0.00 to 20 plf at 2.19  
BC: From 10 plf at 2.19 to 10 plf at 13.25  
BC: 1668 lb Conc. Load at 2.19  
BC: 1344 lb Conc. Load at 4.19, 6.19, 8.19, 10.19, 12.19

**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 7-8-2.

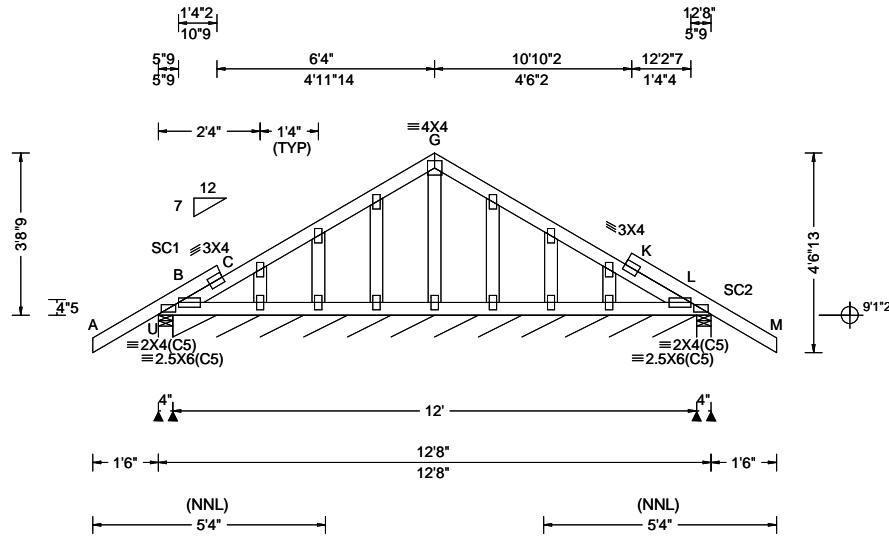


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SEQN: 689794 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 25-2306B MOSS Truss Label: C1	Cust: R215 JRef: 1YbQ2150002 T11 DrwNo: 197.25.1051.03583 JKS / FV 07/16/2025
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<b>Loading Criteria (psf)</b> TCCL: 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCp: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): -0.000 C 999 240 VERT(CL): 0.001 C 999 180 HORZ(LL): -0.000 C - - HORZ(TL): 0.001 I - - Creep Factor: 2.0 Max TC CSI: 0.240 Max BC CSI: 0.027 Max Web CSI: 0.243 VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs), or *=PLF</b> <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>U</td> <td>303</td> <td>-</td> <td>-</td> <td>/99</td> <td>/114</td> <td>/103</td> </tr> <tr> <td>B*</td> <td>71</td> <td>-</td> <td>-</td> <td>/41</td> <td>/12</td> <td>-</td> </tr> <tr> <td>L</td> <td>302</td> <td>-</td> <td>-</td> <td>/100</td> <td>/113</td> <td>-</td> </tr> </tbody> </table> Wind reactions based on MWFRS U Brg Wid = 4.0 Min Req = 1.5 (Truss) B Brg Wid = 144 Min Req = - L Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings U, B, & L are a rigid surface. Members not listed have forces less than 375#	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	U	303	-	-	/99	/114	/103	B*	71	-	-	/41	/12	-	L	302	-	-	/100	/113	-
Loc	Gravity			Non-Gravity																																		
	R+	/R-	/Rh	/Rw	/U	/RL																																
U	303	-	-	/99	/114	/103																																
B*	71	-	-	/41	/12	-																																
L	302	-	-	/100	/113	-																																

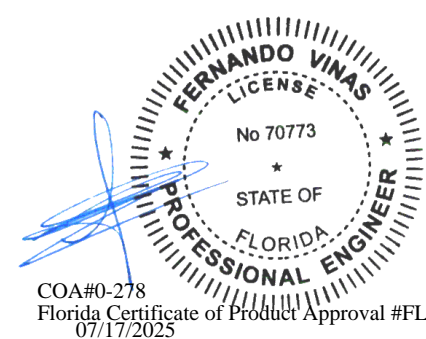
**Lumber**  
 Top chord: 2x4 SP #2;  
 Bot chord: 2x4 SP #2;  
 Webs: 2x4 SP #3;  
 Stack Chord: SC1 2x4 SP #2;  
 Stack Chord: SC2 2x4 SP #2;

**Plating Notes**  
 All plates are 2X4 except as noted.

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

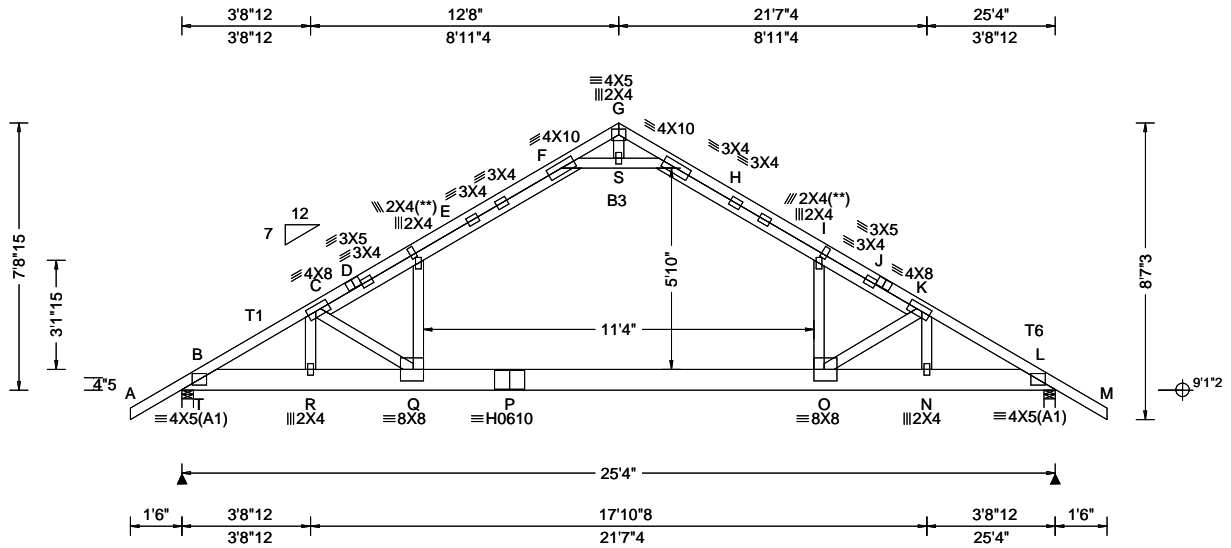
**Wind**  
 Wind loads based on MWFRS with additional C&C member design.  
 Wind loading based on both gable and hip roof types.  
 Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/999.

**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 3-8-9.



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<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.327 Q 917 240 VERT(CL): 0.598 Q 502 180 HORZ(LL): 0.166 E - - HORZ(TL): 0.306 E - - Creep Factor: 2.0 Max TC CSI: 0.808 Max BC CSI: 0.470 Max Web CSI: 0.557  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Loc R+ / R- / Rh / Rw / U / RL T 1640 /- /- /613 /199 /191 L 1638 /- /- /613 /199 /- Non-Gravity Wind reactions based on MWFRS T Brg Wid = 4.0 Min Req = 1.5 (Truss) L Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings T & L are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. D - E 3941 -498 G - H 512 -50 E - F 1369 -2369 H - S 1353 -2354 H - I 4526 -591 I - J 3918 -498 B - C 460 -2593 J - K 554 -3740 C - D 1438 -194 K - L 460 -2589 C - D 554 -3752 J - K 1428 -194 F - G 513 -50
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**Lumber**  
Top chord: 2x4 SP M-31; T1,T6 2x4 SP #2;  
Bot chord: 2x8 SP 2400f-2.0E; B3 2x4 SP #2;  
Webs: 2x4 SP #3;

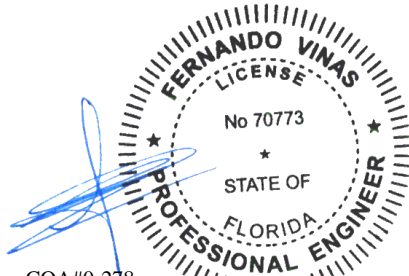
**Plating Notes**  
(\*\*) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

**Loading**  
Attic room loading from 7-0-0 to 18-4-0: Live Load: 30 PSF. Dead Load: 10 PSF Ceiling: 3 PSF, Kneewalls: 3 PSF  
Truss designed for sleeping room only. No waterbeds permitted. Provide information to contractor, architect, and bldg owner. Trusses to be visibly stamped to indicate 30.00 psf MAX LL.

**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.  
Wind loading based on both gable and hip roof types.

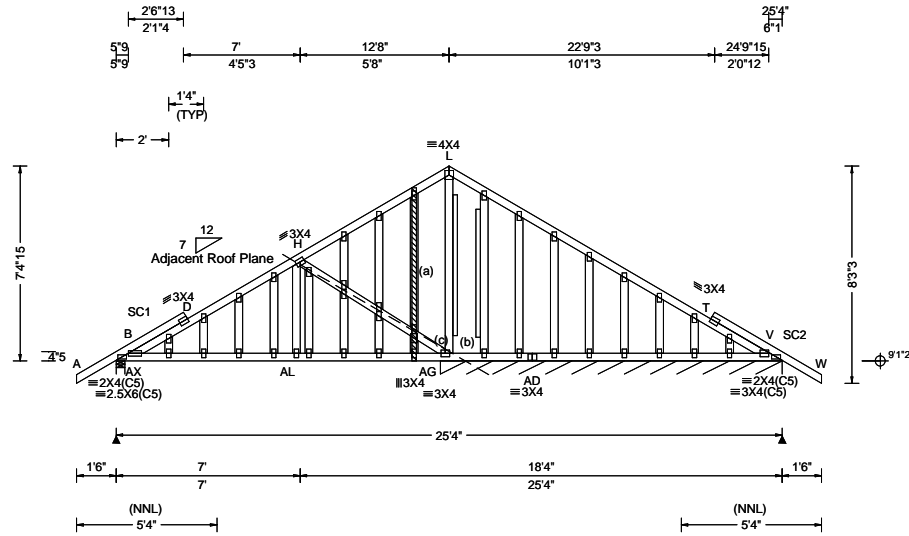
**Additional Notes**  
The overall height of this truss excluding overhang is 7-8-15.



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<b>Loading Criteria (psf)</b>	<b>Wind Criteria</b>	<b>Snow Criteria (Pg,Pf in PSF)</b>	<b>Defl/CSI Criteria</b>	<b>▲ Maximum Reactions (lbs), or *=PLF</b>
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.063 AO 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.144 AO 999 180	AX 621 /- /- /259 /112 /211
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.029 E - -	V* 177 /- /- /76 /27 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.067 E - -	Wind reactions based on MWFRS
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	AX Brg Wid = 4.0 Min Req = 1.5 (Truss)
Soffit: 2.00	TCDL: 5.0 psf	Building Code:	Max TC CSI: 0.462	V Brg Wid = 156 Min Req = -
Load Duration: 1.25	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max BC CSI: 0.549	Bearings AX & AG are a rigid surface.
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max Web CSI: 0.853	Members not listed have forces less than 375#
	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case		<b>Maximum Top Chord Forces Per Ply (lbs)</b>
	Loc. from endwall: Any	FT/RT:20(0)/10(0)		Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	Plate Type(s):	VIEW Ver: 24.02.00D.0114.10	B - D 122 -499 D - H 209 -438
	Wind Duration: 1.60	WAVE		

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

**Plating Notes**  
 All plates are 2X4 except as noted.

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

**Wind**  
 Wind loads based on MWFRS with additional C&C member design.  
 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/206.

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

**Maximum Bot Chord Forces Per Ply (lbs)**

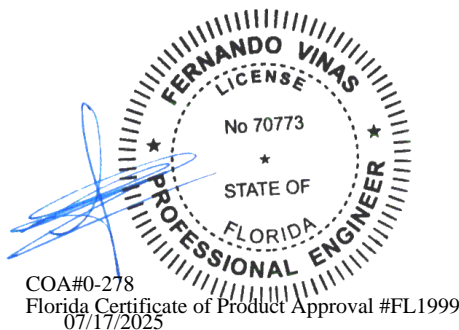
Chords	Tens.Comp.
B -AL	379 -72

**Maximum Web Forces Per Ply (lbs)**

Webs	Tens.Comp.	Webs	Tens. Comp.
AL -H	413 -154	H -AG	306 -748

**Maximum Gable Forces Per Ply (lbs)**

Gables	Tens.Comp.
AG- L	8 -419



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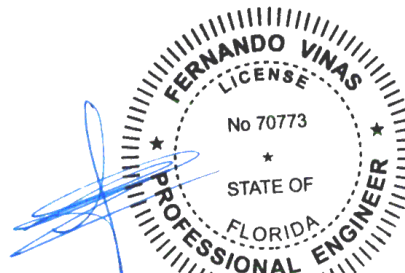
SEQN: 689792	GABL	Ply: 1	Job Number: 25-2306B	Cust: R215 JRef: 1YbQ2150002 T15
FROM: RFG		Qty: 1	MOSS	DrwNo: 197.25.1051.18953
Page 2 of 2			Truss Label: D1E	JKS / FV 07/16/2025

**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.

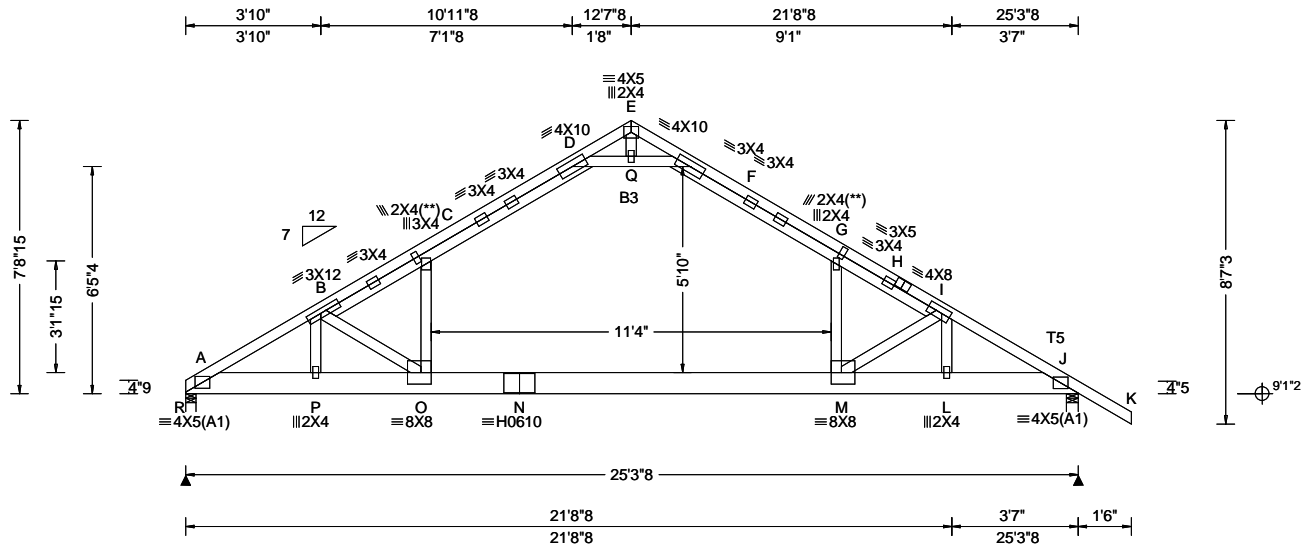


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SEQN: 689778 FROM: RFG	ATIC Ply: 1 Qty: 6	Job Number: 25-2306B MOSS Truss Label: D2	Cust: R215 JRRef: 1YbQ2150002 T16 DrwNo: 197.25.1051.21517 JKS / FV 07/16/2025
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<b>Loading Criteria (psf)</b> TCCL: 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed 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 GCp: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.321 M 934 240 VERT(CL): 0.584 O 513 180 HORZ(LL): 0.165 C - - HORZ(TL): 0.306 C - - Creep Factor: 2.0 Max TC CSI: 0.812 Max BC CSI: 0.468 Max Web CSI: 0.560  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> <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>R</td> <td>1534</td> <td>-</td> <td>-</td> <td>/605</td> <td>/172</td> <td>/207</td> </tr> <tr> <td>J</td> <td>1639</td> <td>-</td> <td>-</td> <td>/612</td> <td>/200</td> <td>-</td> </tr> </tbody> </table> Wind reactions based on MWFRS R Brg Wid = 3.5 Min Req = 1.5 (Truss) J Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings R & J are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> <table border="1"> <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>3970 -336</td> <td>F - Q</td> <td>1228 -2348</td> </tr> <tr> <td>F - G</td> <td>4515 -384</td> <td>G - H</td> <td>3910 -322</td> </tr> <tr> <td>A - B</td> <td>365 -2638</td> <td>H - I</td> <td>374 -3738</td> </tr> <tr> <td>D - E</td> <td>512 -33</td> <td>I - J</td> <td>321 -2591</td> </tr> <tr> <td>E - F</td> <td>509 -32</td> <td>H - I</td> <td>1424 -127</td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	R	1534	-	-	/605	/172	/207	J	1639	-	-	/612	/200	-	Chords	Tens.Comp.	Chords	Tens. Comp.	B - C	3970 -336	F - Q	1228 -2348	F - G	4515 -384	G - H	3910 -322	A - B	365 -2638	H - I	374 -3738	D - E	512 -33	I - J	321 -2591	E - F	509 -32	H - I	1424 -127
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**Lumber**  
 Top chord: 2x4 SP M-31; T5 2x4 SP #2;  
 Bot chord: 2x8 SP 2400f-2.0E; B3 2x4 SP #2;  
 Webs: 2x4 SP #3;

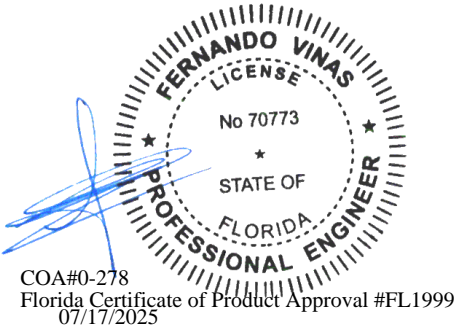
**Plating Notes**  
 (\*\*) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

**Loading**  
 Attic room loading from 6-11-8 to 18-3-8: Live Load: 30 PSF. Dead Load: 10 PSF Ceiling: 3 PSF, Kneewalls: 3 PSF  
 Truss designed for sleeping room only. No waterbeds permitted. Provide information to contractor, architect, and bldg owner. Trusses to be visibly stamped to indicate 30.00 psf MAX LL.

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

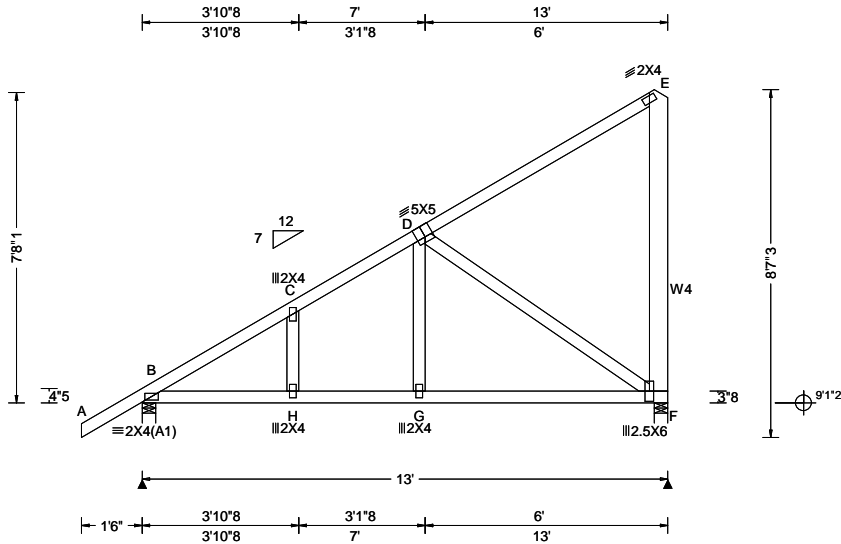
**Wind**  
 Wind loads based on MWFRS with additional C&C member design.  
 Wind loading based on both gable and hip roof types.

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



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<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.059 H 999 240 VERT(CL): 0.136 H 999 180 HORZ(LL): 0.033 C - - HORZ(TL): 0.079 C - - Creep Factor: 2.0 Max TC CSI: 0.610 Max BC CSI: 0.533 Max Web CSI: 0.571  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 655 /- /- /348 /- /206 F 526 /- /- /375 /76 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) F Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings B & F are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - C 0 -658 C - D 30 -581
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**Lumber**  
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3; W4 2x6 SP #2;

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

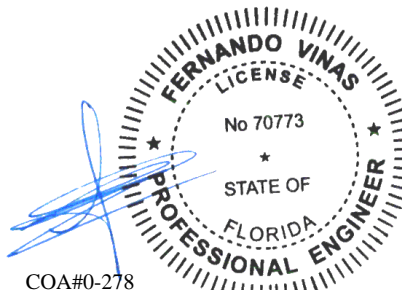
**Additional Notes**  
The overall height of this truss excluding overhang is 7-8-1.

**Maximum Bot Chord Forces Per Ply (lbs)**

Chords	Tens.Comp.	Chords	Tens. Comp.
B - H	502 -246	G - F	497 -244
H - G	500 -243		

**Maximum Web Forces Per Ply (lbs)**

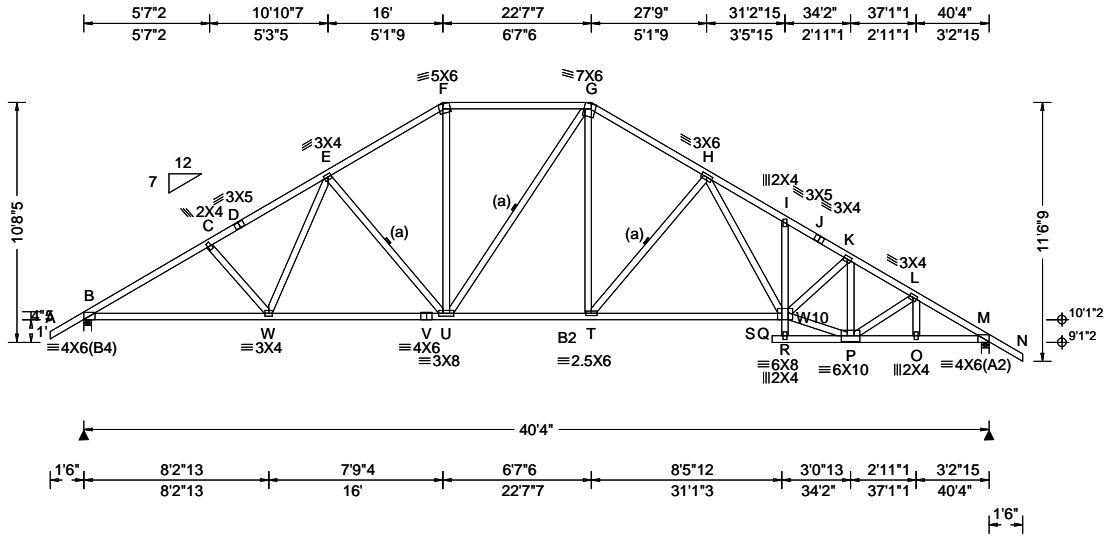
Webs	Tens.Comp.
D - F	293 -597



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<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.15 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	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.209 T 999 240 VERT(CL): 0.389 T 999 180 HORZ(LL): 0.097 M - - HORZ(TL): 0.181 M - - Creep Factor: 2.0 Max TC CSI: 0.618 Max BC CSI: 0.938 Max Web CSI: 0.645  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1973 /- /- /991 /15 /326 M 1971 /- /- /1018 /15 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 2.3 (Truss) M Brg Wid = 4.0 Min Req = 2.3 (Truss) Bearings B & M are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - C 552 -3212 H - I 697 -3706 C - D 534 -3006 I - J 632 -3661 D - E 557 -2962 J - K 624 -3703 E - F 520 -2384 K - L 544 -3098 F - G 502 -2001 L - M 516 -3155 G - H 529 -2485
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**Lumber**  
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;  
Webs: 2x4 SP #3; W10 2x4 SP #2;

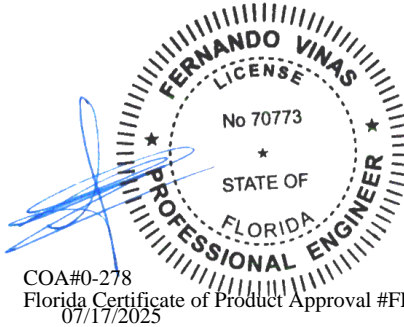
**Bracing**  
(a) Continuous lateral restraint equally spaced on member.

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

**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 9'-8.5".

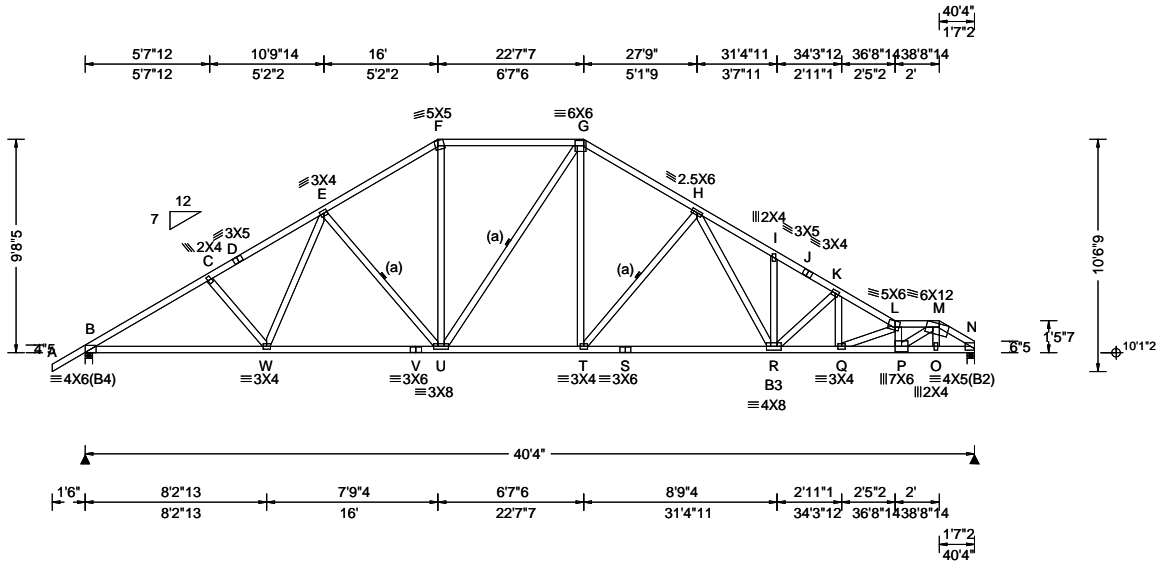


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<b>Maximum Bot Chord Forces Per Ply (lbs)</b>			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - W	2691 -318	T - Q	2616 -257
W - V	2360 -200	P - O	2654 -365
V - U	2360 -200	O - M	2651 -363
U - T	2079 -89		
<b>Maximum Web Forces Per Ply (lbs)</b>			
Webs	Tens.Comp.	Webs	Tens. Comp.
W - E	450 -45	H - Q	1136 -185
E - U	211 -576	Q - K	649 -12
F - U	785 -109	Q - P	2857 -344
G - T	944 -113	K - P	131 -954
T - H	262 -843		

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<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.65 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 4.03 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.193 H 999 240 VERT(CL): 0.399 H 999 180 HORZ(LL): 0.066 N - - HORZ(TL): 0.135 N - - Creep Factor: 2.0 Max TC CSI: 0.570 Max BC CSI: 0.801 Max Web CSI: 0.990  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 1782 /- /- /989 /4 /316 N 1671 /- /- /968 /- /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 2.1 (Truss) N Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings B & N are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - C 585 -2832 H - I 786 -3162 C - D 568 -2628 I - J 717 -3128 D - E 591 -2585 J - K 708 -3170 E - F 553 -2067 K - L 870 -3818 F - G 532 -1725 L - M 962 -4114 G - H 570 -2134 M - N 583 -2430
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**Lumber**  
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2; B3 2x4 SP M-31;  
Webs: 2x4 SP #3;

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

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

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

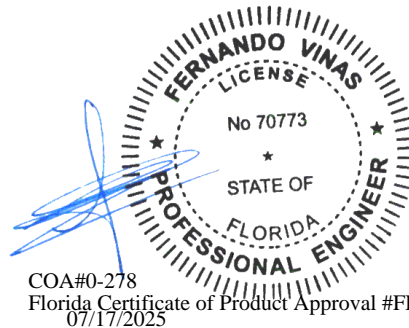
**Additional Notes**  
The overall height of this truss excluding overhang is 9-8-5.

**Maximum Bot Chord Forces Per Ply (lbs)**

Chords	Tens.Comp.	Chords	Tens. Comp.
B - W	2368 -422	S - R	2249 -354
W - V	2060 -308	R - Q	3232 -666
V - U	2060 -308	Q - P	4479 -1012
U - T	1776 -180	P - O	1960 -451
T - S	2249 -354	O - N	1985 -460

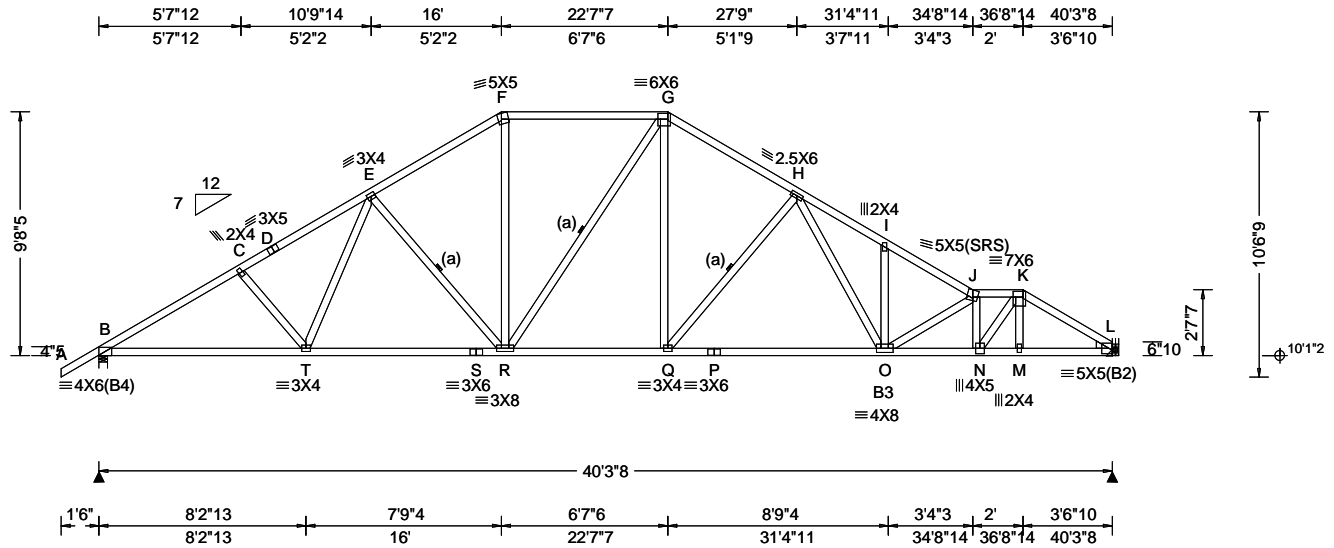
**Maximum Web Forces Per Ply (lbs)**

Webs	Tens.Comp.	Webs	Tens. Comp.
W - E	437 -45	R - K	271 -736
E - U	213 -530	K - Q	621 -162
F - U	624 -116	Q - L	369 -1325
G - T	728 -139	L - P	368 -1488
T - H	277 -746	P - M	2598 -567
H - R	936 -237		



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<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.65 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 4.03 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.177 Q 999 240 VERT(CL): 0.366 Q 999 180 HORZ(LL): 0.069 L - - HORZ(TL): 0.143 L - - Creep Factor: 2.0 Max TC CSI: 0.860 Max BC CSI: 0.804 Max Web CSI: 0.647  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1781 - / - / /990 /6 /315 L 1668 - / - /967 - / - Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 2.1 (Truss) L Brg Wid = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - C 596 -2831 G - H 586 -2131 C - D 580 -2626 H - I 841 -3164 D - E 602 -2583 I - J 746 -3166 E - F 565 -2066 J - K 816 -3212 F - G 541 -1723 K - L 654 -2669
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**Lumber**  
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2; B3 2x4 SP M-31;  
Webs: 2x4 SP #3;  
Rt Wedge: 2x4 SP #3;

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

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

**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.

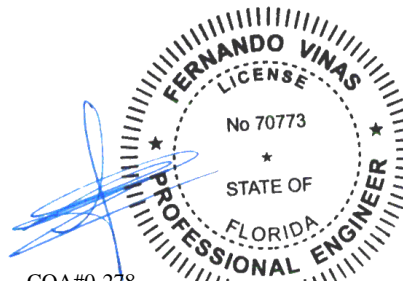
**Additional Notes**  
The overall height of this truss excluding overhang is 9-8-5.

**Maximum Bot Chord Forces Per Ply (lbs)**

Chords	Tens.Comp.	Chords	Tens. Comp.
B - T	2366 -423	P - O	2245 -370
T - S	2058 -309	O - N	3375 -763
S - R	2058 -309	N - M	2204 -497
R - Q	1774 -184	M - L	2212 -502
Q - P	2245 -370		

**Maximum Web Forces Per Ply (lbs)**

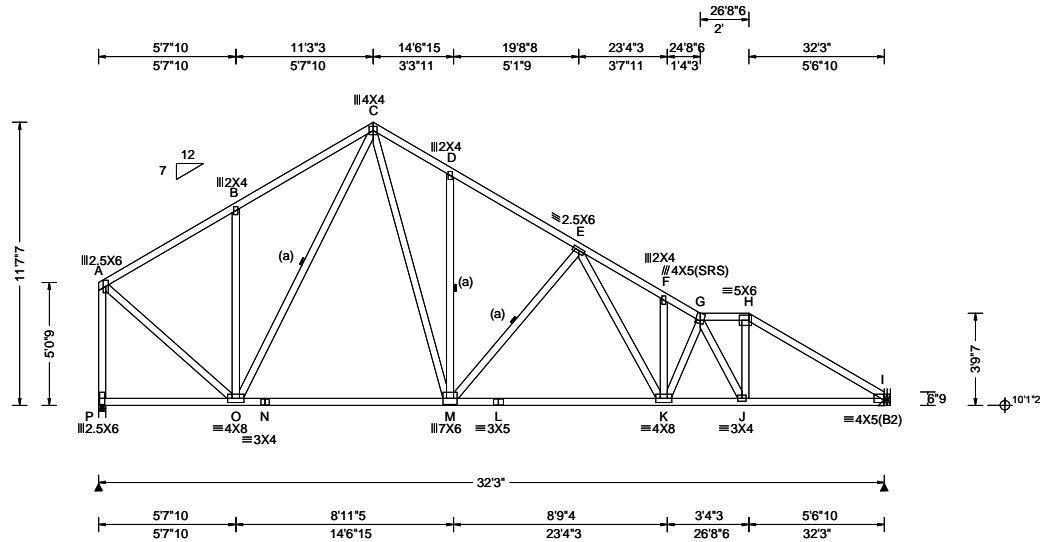
Webs	Tens.Comp.	Webs	Tens. Comp.
T - E	437 -45	H - O	943 -279
E - R	212 -530	O - J	310 -815
F - R	623 -120	J - N	303 -1309
G - Q	725 -152	N - K	1699 -385
Q - H	294 -742		



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07/17/2025

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<b>Loading Criteria</b> (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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.18 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.22 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	<b>Snow Criteria</b> (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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.166 F 999 240 VERT(CL): 0.224 F 999 180 HORZ(LL): 0.073 C - - HORZ(TL): 0.098 C - - Creep Factor: 2.0 Max TC CSI: 0.565 Max BC CSI: 0.874 Max Web CSI: 0.832  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL P 1338 -/- /- /711 /31 /289 I 1344 -/- /- /790 /16 /- Wind reactions based on MWFRS P Brg Wid = 3.5 Min Req = 1.6 (Truss) I Brg Wid = - Min Req = - Bearing P is a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. A - B 268 -1015 E - F 677 -2366 B - C 431 -1042 F - G 602 -2338 C - D 518 -1380 G - H 518 -1814 D - E 424 -1421 H - I 536 -2133
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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.

**Hangers / Ties**

(J) Hanger Support Required, by others

**Purlins**

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

**Wind**

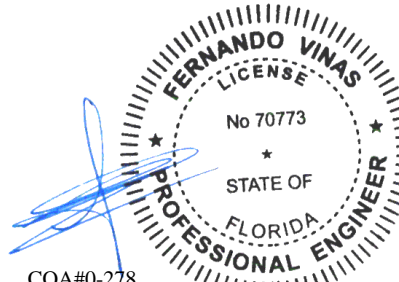
Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

**Additional Notes**

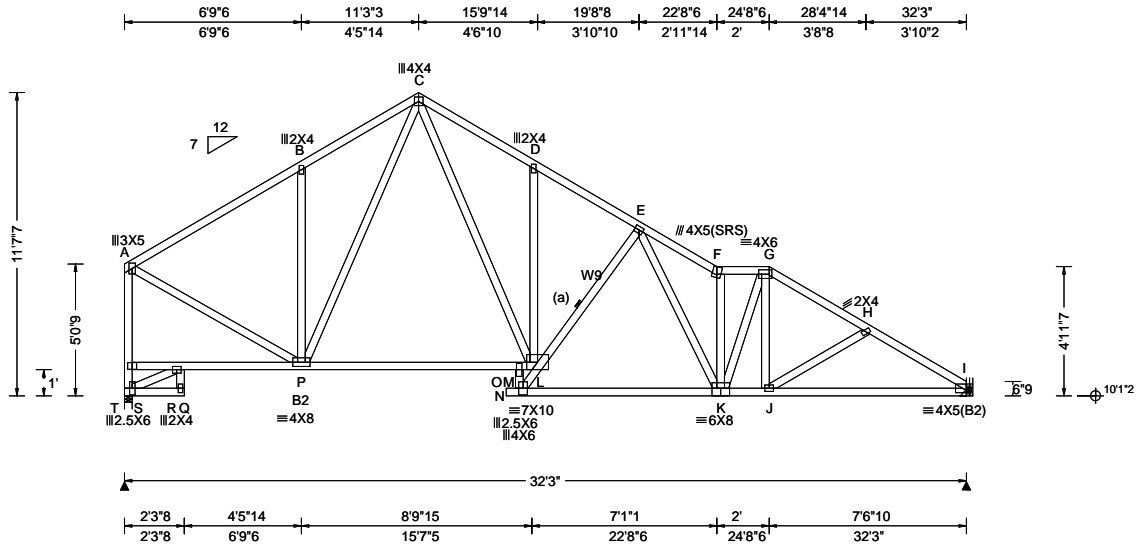
The overall height of this truss excluding overhang is 11-7-7.



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<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.18 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.22 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.401 N 962 240 VERT(CL): 0.831 N 464 180 HORZ(LL): 0.196 I - - HORZ(TL): 0.408 I - - Creep Factor: 2.0 Max TC CSI: 0.724 Max BC CSI: 0.789 Max Web CSI: 0.951  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL T 1338 - / - / /113 /29 /289 I 1344 - / - / /796 /14 - Wind reactions based on MWFRS T Brg Wid = 3.5 Min Req = 1.6 (Truss) I Brg Wid = - Min Req = - Bearing T is a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. A - B 294 -1267 E - F 671 -2301 B - C 451 -1260 F - G 529 -1912 C - D 579 -1632 G - H 519 -1983 D - E 464 -1594 H - I 557 -2162
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**Lumber**  
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;  
Webs: 2x4 SP #3; W9 2x4 SP M-31;

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

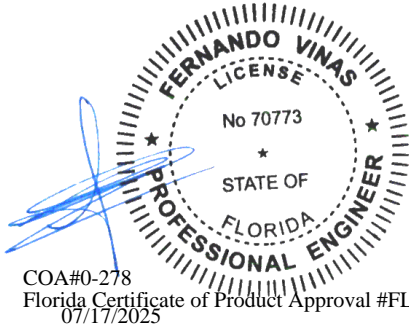
**Plating Notes**  
All plates are 3X4 except as noted.

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

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

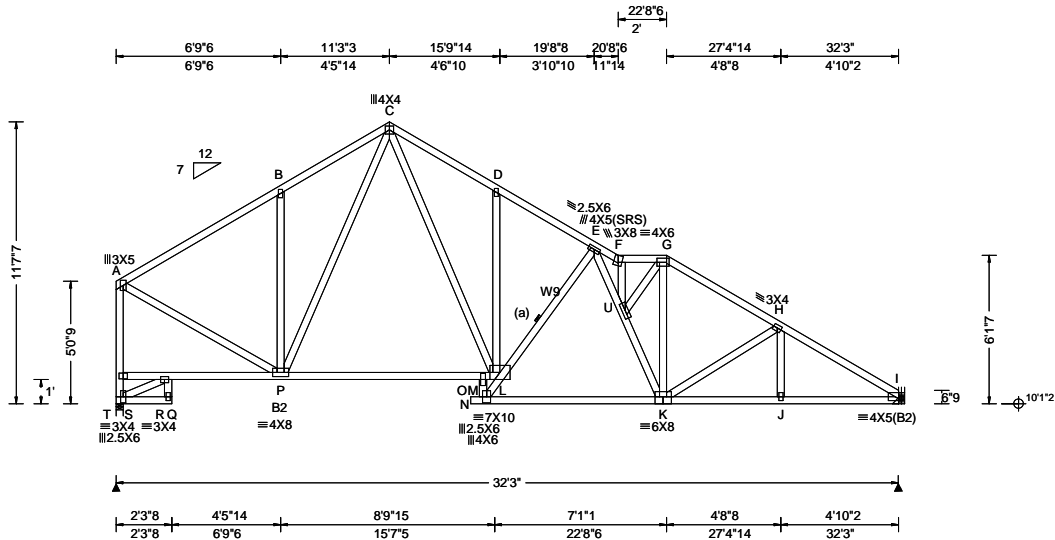
**Additional Notes**  
The overall height of this truss excluding overhang is 11-7-7.



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<b>Loading Criteria</b> (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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.18 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.22 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	<b>Snow Criteria</b> (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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.593 N 650 240 VERT(CL): 0.821 N 470 180 HORZ(LL): 0.291 I - - HORZ(TL): 0.409 I - - Creep Factor: 2.0 Max TC CSI: 0.670 Max BC CSI: 0.796 Max Web CSI: 0.951  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL T 1338 -/- /- /713 /29 /289 I 1344 -/- /- /798 /14 -/ Wind reactions based on MWFRS T Brg Wid = 3.5 Min Req = 1.6 (Truss) I Brg Wid = - Min Req = - Bearing T is a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. A - B 300 -1267 E - F 648 -2217 B - C 457 -1261 F - G 538 -1792 C - D 595 -1634 G - H 508 -1877 D - E 473 -1591 H - I 516 -2159
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**Lumber**  
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;  
Webs: 2x4 SP #3; W9 2x4 SP M-31;

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

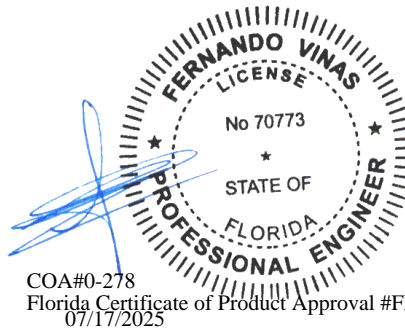
**Plating Notes**  
All plates are 2X4 except as noted.

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

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

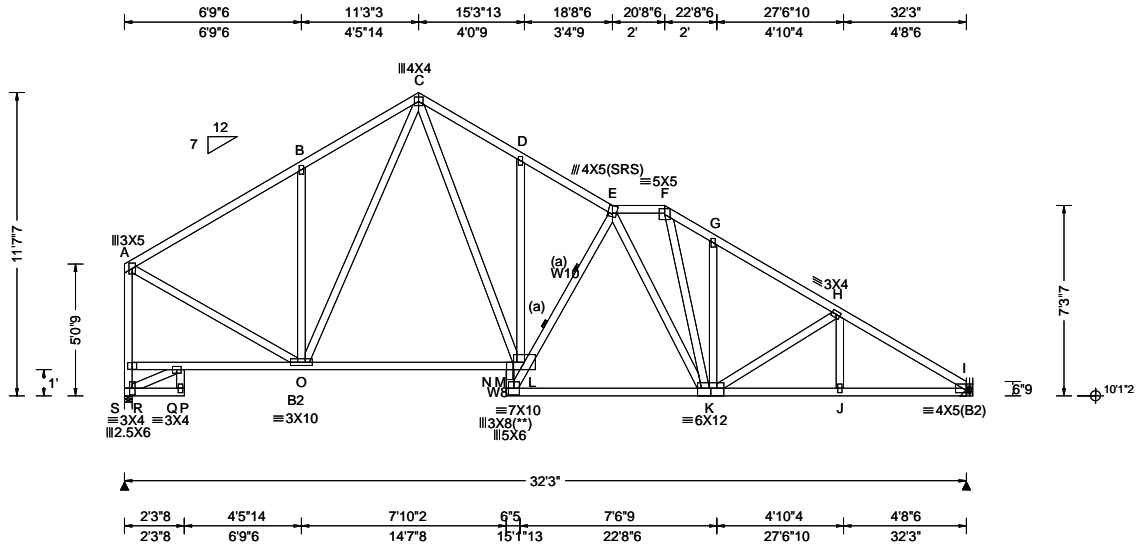
**Additional Notes**  
The overall height of this truss excluding overhang is 11-7.7.



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07/17/2025

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<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.18 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.22 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.360 N 999 240 VERT(CL): 0.744 N 518 180 HORZ(LL): 0.199 I - - HORZ(TL): 0.413 I - - Creep Factor: 2.0 Max TC CSI: 0.669 Max BC CSI: 0.799 Max Web CSI: 0.947  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL S 1338 - / - / /709 /31 /289 I 1344 - / - /796 /16 - /- Wind reactions based on MWFRS S Brg Wid = 3.5 Min Req = 1.6 (Truss) I Brg Wid = - Min Req = - Bearing S is a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. A - B 309 -1262 E - F 456 -1364 B - C 467 -1256 F - G 573 -1836 C - D 585 -1544 G - H 497 -1873 D - E 474 -1502 H - I 509 -2160
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**Lumber**  
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;  
Webs: 2x4 SP #3; W8 2x4 SP #2; W10 2x4 SP M-31;

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

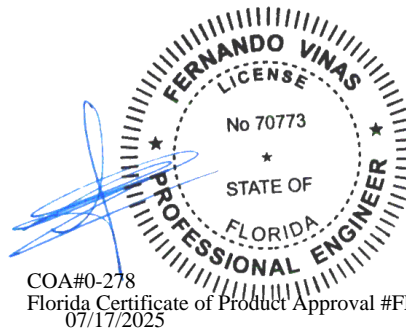
**Plating Notes**  
All plates are 2X4 except as noted.  
(\*\*) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

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

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

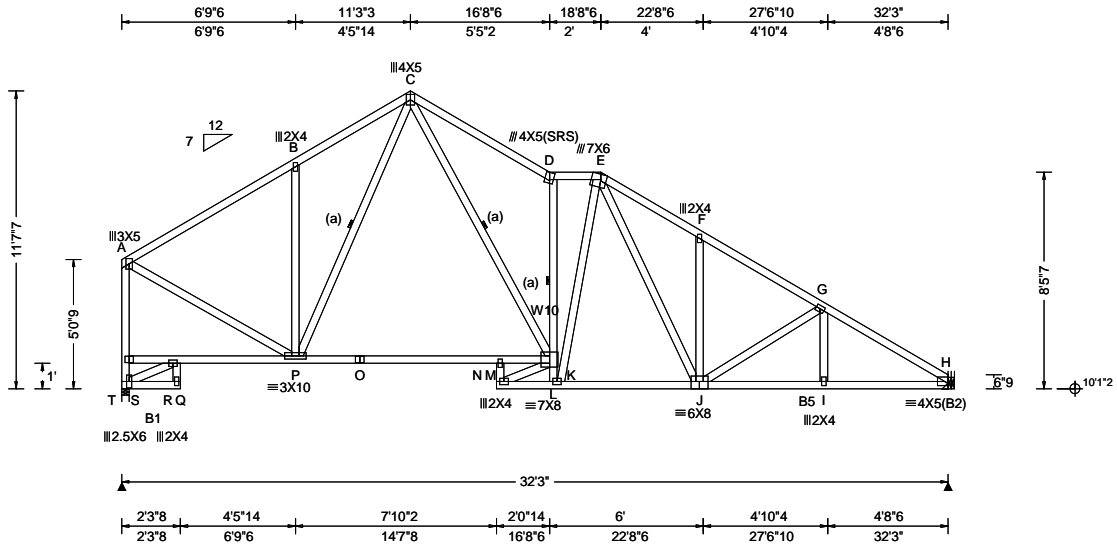
**Wind**  
Wind loads based on MWFRS with additional C&C member design.  
Left end vertical not exposed to wind pressure.  
Wind loading based on both gable and hip roof types.

**Additional Notes**  
The overall height of this truss excluding overhang is 11-7.7.



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<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.18 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.22 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.417 N 925 240 VERT(CL): 0.795 N 485 180 HORZ(LL): 0.133 H - - HORZ(TL): 0.277 H - - Creep Factor: 2.0 Max TC CSI: 0.702 Max BC CSI: 0.794 Max Web CSI: 0.625  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL T 1338 -/ - /708 /31 /289 H 1344 -/ - /798 /16 -/ Wind reactions based on MWFRS T Brg Wid = 3.5 Min Req = 1.6 (Truss) H Brg Wid = - Min Req = - Bearing T is a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. A - B 311 -1258 E - F 599 -1858 B - C 464 -1244 F - G 494 -1860 C - D 653 -1787 G - H 495 -2168 D - E 465 -1377
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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 2x4 SP M-31;

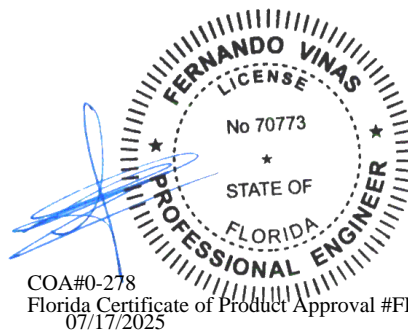
**Bracing**  
(a) Continuous lateral restraint equally spaced on member.

**Plating Notes**  
All plates are 3X4 except as noted.

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

**Wind**  
Wind loads 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 11-7.7.



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SEQN: 689943	COMN	Ply: 1	Job Number: 25-2306B	Cust: R215 JRef: 1YbQ2150002 T39
FROM: RFG		Qty: 1	MOSS	DrwNo: 197.25.1053.27133
Page 2 of 2			Truss Label: G8	JKS / FV 07/16/2025

**Hangers / Ties**

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

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

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

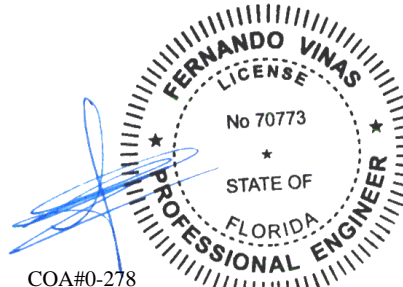
Bearing at location x=32' uses the following support conditions: 32'

Bearing H (32', 10'1"2) HUS26

Supporting Member: (2)2x6 SP 2400f-2.0E

(14) 0.148"x3" nails into supporting member,

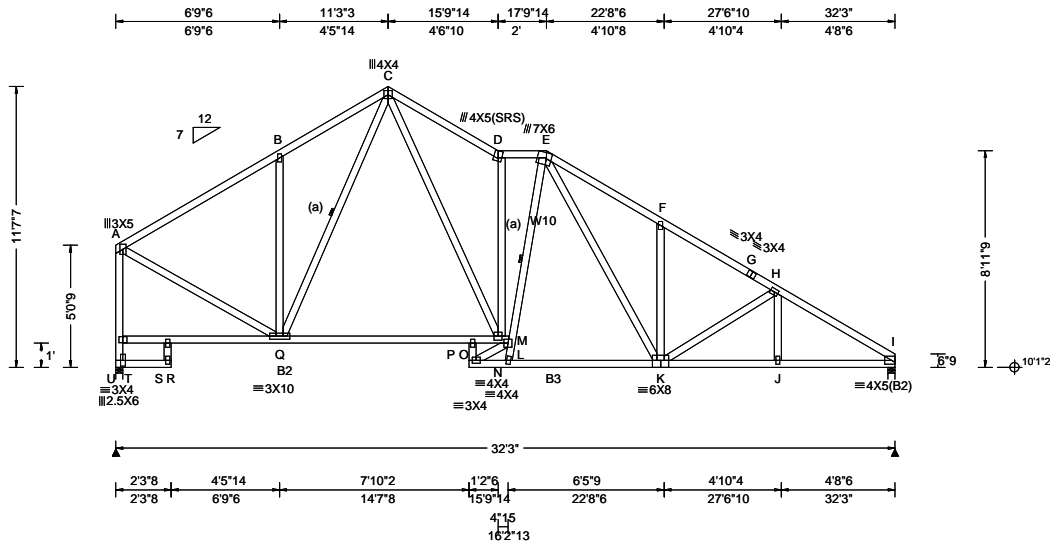
(4) 0.148"x3" nails into supported member.



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<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.18 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.22 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.310 P 999 240 VERT(CL): 0.641 P 602 180 HORZ(LL): 0.137 I - - HORZ(TL): 0.285 I - - Creep Factor: 2.0 Max TC CSI: 0.685 Max BC CSI: 0.794 Max Web CSI: 0.951  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Loc R+ / R- / Rh / Rw / U / RL U 1338 - / - / 708 / 31 / 289 I 1344 - / - / 799 / 30 / - Wind reactions based on MWFRS U Brg Wid = 3.5 Min Req = 1.6 (Truss) I Brg Wid = 3.5 Min Req = 1.6 (Truss) Bearings U & I are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. A - B 316 - 1249 E - F 606 - 1860 B - C 472 - 1236 F - G 489 - 1827 C - D 603 - 1606 G - H 467 - 1859 D - E 458 - 1344 H - I 490 - 2168  <b>Maximum Bot Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. Q - O 936 0 M - K 1279 - 143 P - M 881 - 109 K - J 1786 - 350 O - N 929 0 J - I 1787 - 349 N - L 1274 - 120  <b>Maximum Web Forces Per Ply (lbs)</b> Webs Tens.Comp. Webs Tens. Comp. A - T 351 - 1309 P - L 122 - 963 A - Q 1123 - 246 D - N 406 - 832 U - T 330 - 1314 M - L 463 0 B - Q 261 - 410 E - K 596 - 222 C - N 1016 - 386
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**Lumber**

Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2; B2,B3 2x4 SP M-31;  
Webs: 2x4 SP #3; W10 2x4 SP M-31;

**Bracing**

(a) Continuous lateral restraint equally spaced on member.

**Plating Notes**

All plates are 2X4 except as noted.

**Purlins**

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

**Wind**

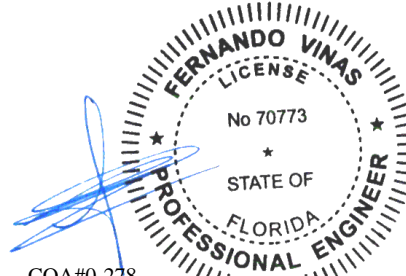
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Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

**Additional Notes**

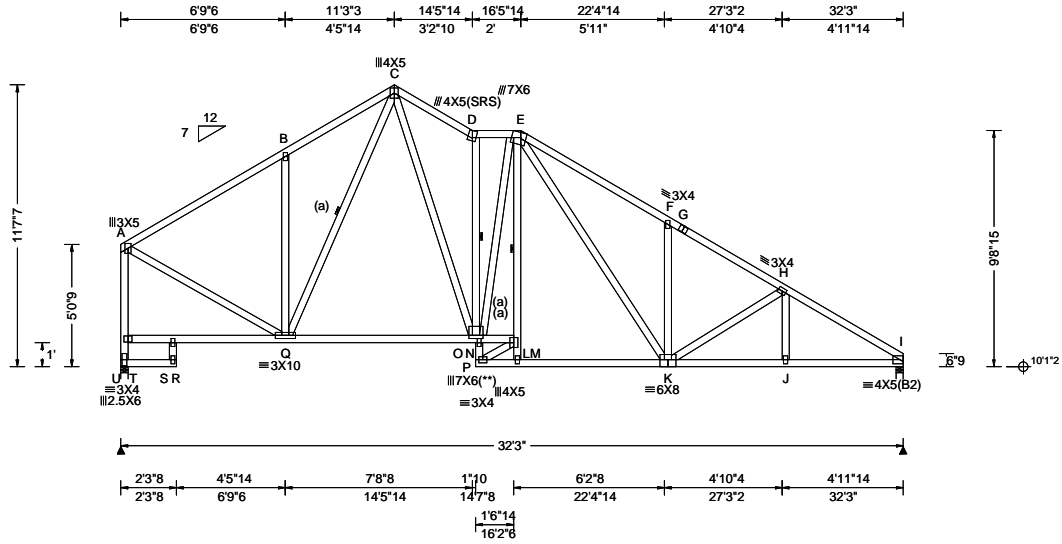
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**Lumber**

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.

**Purlins**

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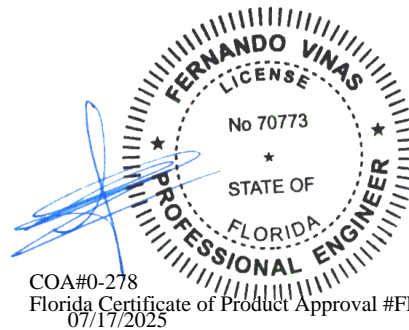
**Wind**

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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 11-7-7.

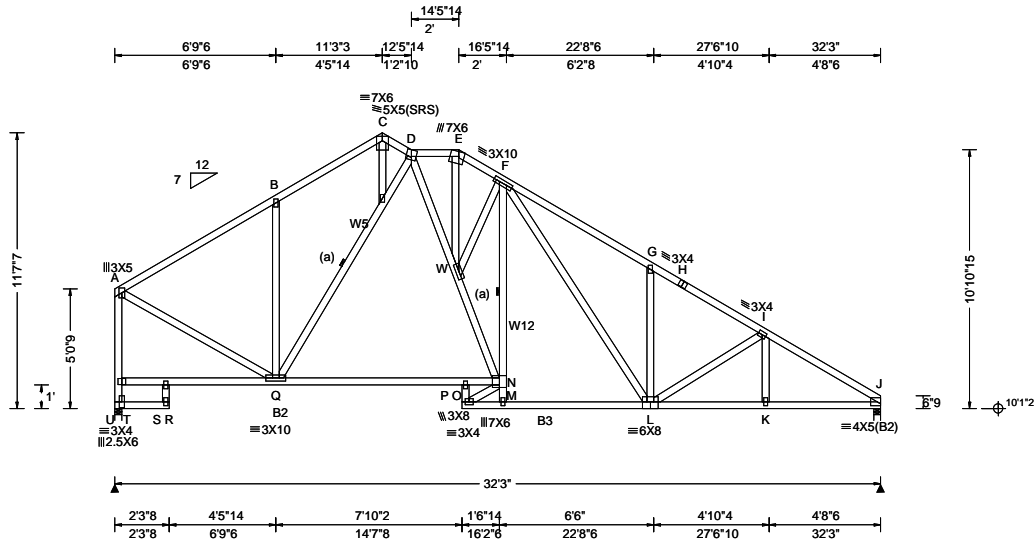
<b>Maximum Bot Chord Forces Per Ply (lbs)</b>			
Chords	Tens.Comp.	Chords	Tens. Comp.
Q - O	951 0	M - K	1163 - 105
P - M	1133 - 101	K - J	1775 - 342
O - N	1157 - 104	J - I	1776 - 340
N - L	1237 - 107		
<b>Maximum Web Forces Per Ply (lbs)</b>			
Webs	Tens.Comp.	Webs	Tens. Comp.
A - T	354 - 1282	P - N	576 - 57
A - Q	1094 - 249	P - L	118 - 1348
U - T	334 - 1307	O - E	579 - 43
B - Q	267 - 421	L - E	89 - 574
C - O	1075 - 384	E - K	762 - 266
D - O	334 - 792	K - F	223 - 375



COA#0-278  
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07/17/2025

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<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.18 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.22 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.362 P 999 240 VERT(CL): 0.745 P 518 180 HORZ(LL): 0.175 B - - HORZ(TL): 0.363 B - - Creep Factor: 2.0 Max TC CSI: 0.874 Max BC CSI: 0.785 Max Web CSI: 0.778  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL U 1338 -/ - /708 /242 /289 J 1344 -/ - /803 /219 -/ Wind reactions based on MWFRS U Brg Wid = 3.5 Min Req = 1.6 (Truss) J Brg Wid = 3.5 Min Req = 1.6 (Truss) Bearings U & J are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. A - B 308 -1236 F - G 609 -1904 B - C 442 -1168 G - H 469 -1755 C - D 353 -834 H - I 462 -1864 D - E 456 -1150 I - J 468 -2164 E - F 528 -1386
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**Lumber**  
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2; B2,B3 2x4 SP M-31;  
Webs: 2x4 SP #3; W5 2x4 SP #2; W12 2x4 SP M-31;

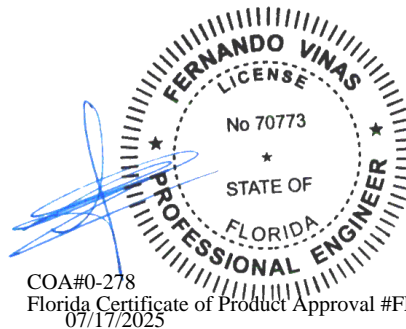
**Bracing**  
(a) Continuous lateral restraint equally spaced on member.

**Plating Notes**  
All plates are 2X4 except as noted.

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

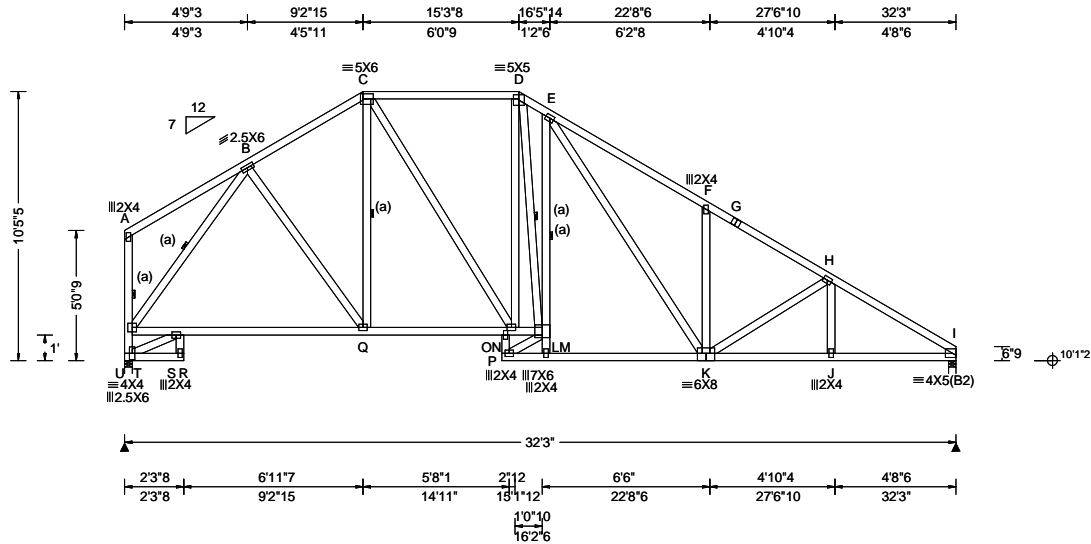
**Additional Notes**  
The overall height of this truss excluding overhang is 11-7-7.



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<b>Loading Criteria</b> (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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.59 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.22 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	<b>Snow Criteria</b> (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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.097 F 999 240 VERT(CL): 0.195 R 999 180 HORZ(LL): 0.062 I - - HORZ(TL): 0.158 I - - Creep Factor: 2.0 Max TC CSI: 0.553 Max BC CSI: 0.789 Max Web CSI: 0.890  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity U 1338 - / - / 701 / 245 / 257 I 1344 - / - / 808 / 218 - / - Wind reactions based on MWFRS U Brg Wid = 3.5 Min Req = 1.6 (Truss) I Brg Wid = 3.5 Min Req = 1.6 (Truss) Bearings U & I are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - C 473 - 1220 F - G 544 - 1766 C - D 524 - 1178 G - H 537 - 1882 D - E 594 - 1368 H - I 537 - 2156 E - F 681 - 1914
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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 3X4 except as noted.

**Purlins**

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

**Wind**

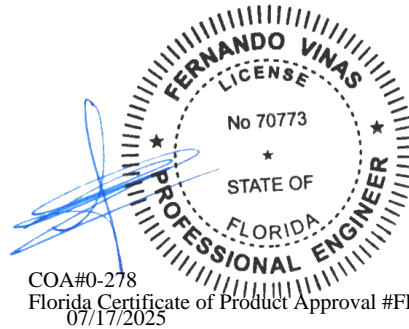
Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

**Additional Notes**

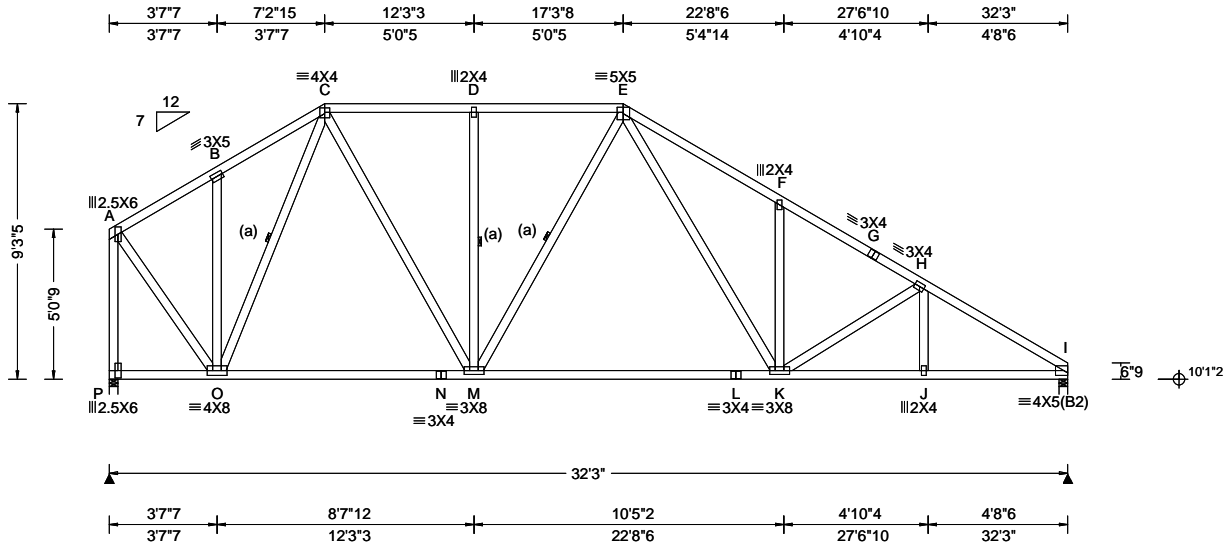
The overall height of this truss excluding overhang is 10-5-5.



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<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.01 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.22 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.089 F 999 240 VERT(CL): 0.185 F 999 180 HORZ(LL): 0.037 I - - HORZ(TL): 0.077 I - - Creep Factor: 2.0 Max TC CSI: 0.544 Max BC CSI: 0.985 Max Web CSI: 0.631  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL P 1338 -/- /- /698 /244 /225 I 1344 -/- /- /808 /216 -/ Wind reactions based on MWFRS P Brg Wid = 3.5 Min Req = 1.6 (Truss) I Brg Wid = 3.5 Min Req = 1.6 (Truss) Bearings P & I are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. A - B 306 -800 E - F 742 -1915 B - C 406 -810 F - G 614 -1846 C - D 580 -1165 G - H 596 -1897 D - E 580 -1165 H - I 613 -2150
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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**

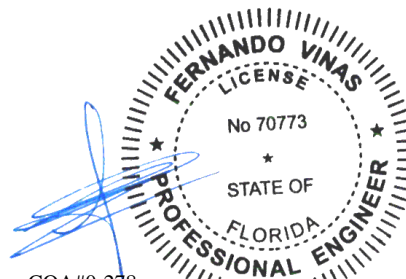
Wind loads based on MWFRS with additional C&C member design.

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.

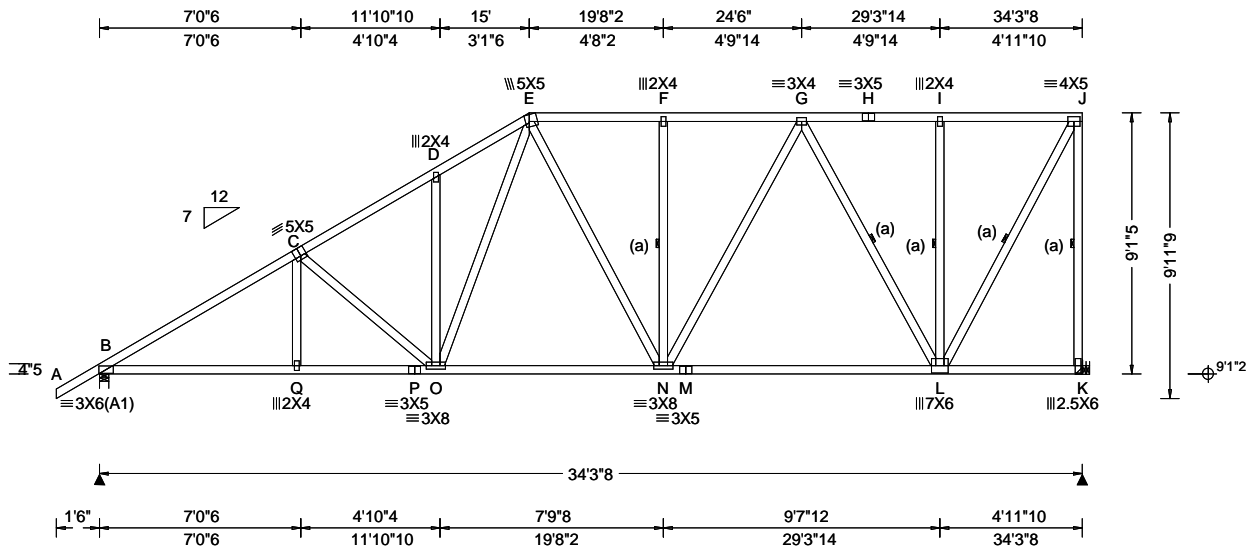


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SEQN: 689965 FROM: RFG	HIPM Ply: 1 Qty: 1	Job Number: 25-2306B MOSS Truss Label: G14	Cust: R215 JRef: 1YbQ2150002 T44 DrwNo: 197.25.1052.25017 JKS / FV 07/16/2025
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<b>Loading Criteria (psf)</b> TCLL: 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed 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: 3.43 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.140 D 999 240 VERT(CL): 0.141 D 999 180 HORZ(LL): 0.053 L - - HORZ(TL): 0.070 L - - Creep Factor: 2.0 Max TC CSI: 0.504 Max BC CSI: 0.799 Max Web CSI: 0.586 VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1536 /- /- /888 /232 /334 K 1417 /- /- /769 /299 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.8 (Truss) K Brg Wid = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp.
				B - C 644 -2331 F - G 620 -1372 C - D 652 -1925 G - H 334 -713 D - E 743 -1888 H - I 334 -713 E - F 620 -1372 I - J 334 -713

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

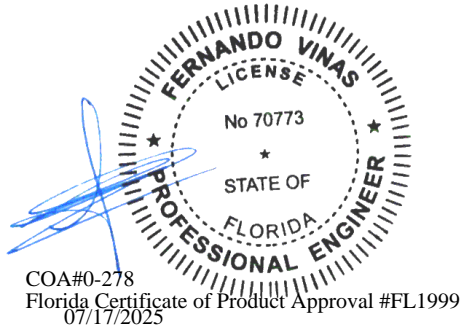
**Bracing**  
 (a) Continuous lateral restraint equally spaced on member.

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

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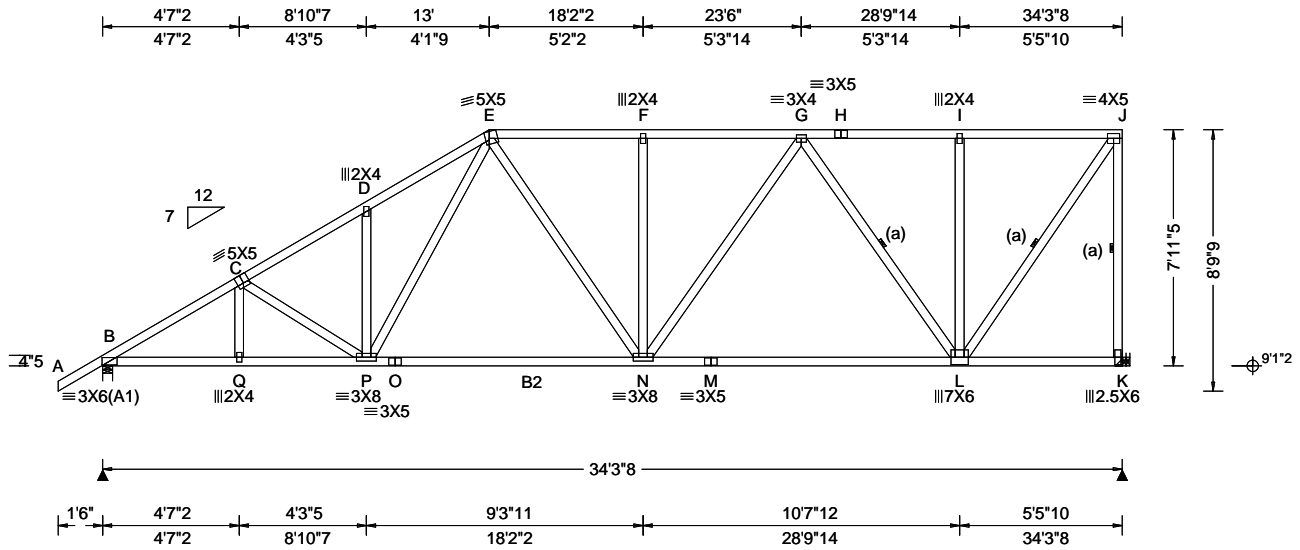
**Wind**  
 Wind loads based on MWFRS with additional C&C member design.  
 Right end vertical not exposed to wind pressure.  
 Wind loading based on both gable and hip roof types.

**Additional Notes**  
 The overall height of this truss excluding overhang is 9'-1.5.



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				Loc		Gravity			Non-Gravity																						
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K	1417	-	-	/751	/290	-																									
<b>▲ Maximum Top Chord Forces Per Ply (lbs)</b> <table border="1"> <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>722 -2384</td> <td>F - G</td> <td>742 -1619</td> </tr> <tr> <td>C - D</td> <td>737 -2131</td> <td>G - H</td> <td>425 -893</td> </tr> <tr> <td>D - E</td> <td>842 -2132</td> <td>H - I</td> <td>425 -893</td> </tr> <tr> <td>E - F</td> <td>742 -1620</td> <td>I - J</td> <td>425 -893</td> </tr> </tbody> </table>				Chords	Tens.Comp.	Chords	Tens. Comp.	B - C	722 -2384	F - G	742 -1619	C - D	737 -2131	G - H	425 -893	D - E	842 -2132	H - I	425 -893	E - F	742 -1620	I - J	425 -893								
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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.

**Hangers / Ties**

(J) Hanger Support Required, by others

**Purlins**

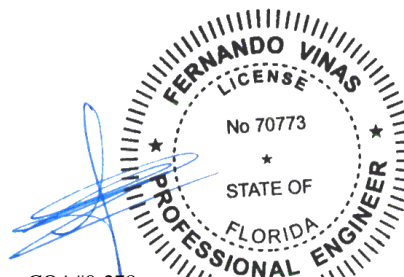
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**Additional Notes**

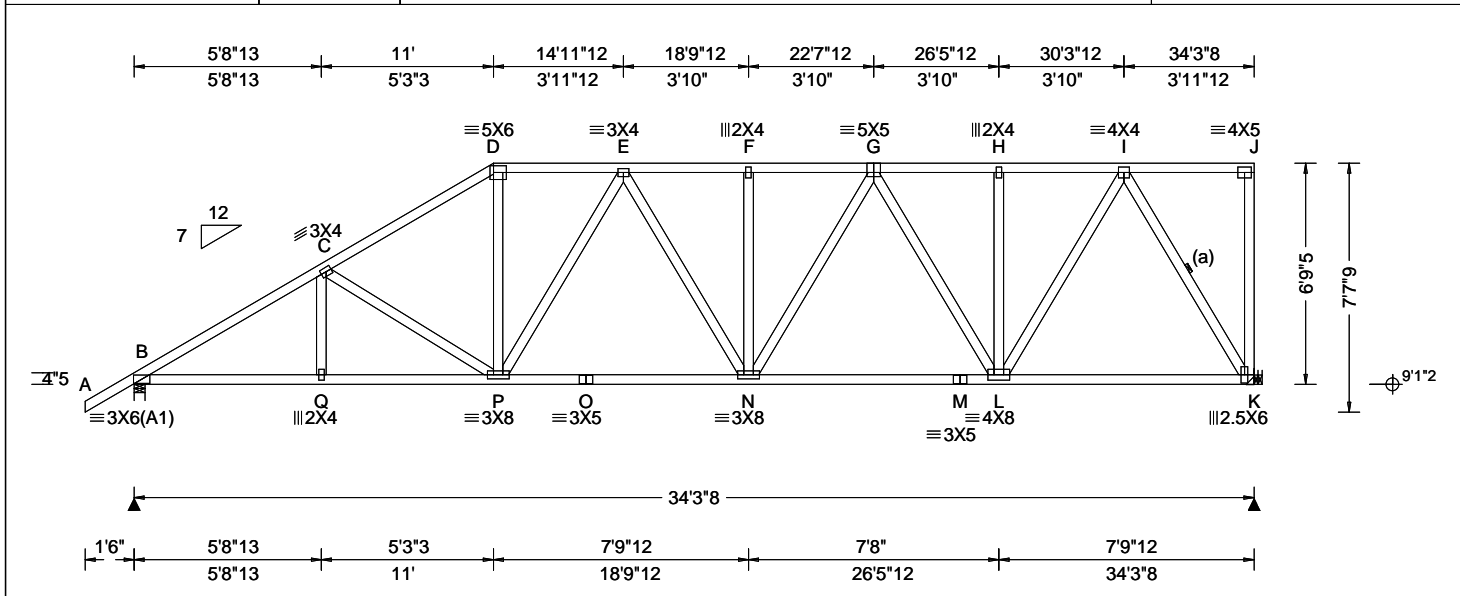
The overall height of this truss excluding overhang is 7'-11"-5".



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<b>Loading Criteria (psf)</b> TCLL: 20.00 TC DL: 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TC DL: 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	<b>Snow Criteria (Pg,Pf in PSF)</b> Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  <b>Building Code:</b> FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.100 E 999 240 VERT(CL): 0.207 E 999 180 HORZ(LL): 0.043 K - - HORZ(TL): 0.089 K - - Creep Factor: 2.0 Max TC CSI: 0.398 Max BC CSI: 0.749 Max Web CSI: 0.719  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> <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>1536</td> <td>-</td> <td>-</td> <td>/855</td> <td>/255</td> <td>/251</td> </tr> <tr> <td>K</td> <td>1417</td> <td>-</td> <td>-</td> <td>/737</td> <td>/282</td> <td>-</td> </tr> </tbody> </table> Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.8 (Truss) K Brg Wid = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> <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>818 -2371</td> <td>F - G</td> <td>890 -1871</td> </tr> <tr> <td>C - D</td> <td>818 -1983</td> <td>G - H</td> <td>645 -1344</td> </tr> <tr> <td>D - E</td> <td>761 -1653</td> <td>H - I</td> <td>645 -1344</td> </tr> <tr> <td>E - F</td> <td>890 -1871</td> <td></td> <td></td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	B	1536	-	-	/855	/255	/251	K	1417	-	-	/737	/282	-	Chords	Tens.Comp.	Chords	Tens. Comp.	B - C	818 -2371	F - G	890 -1871	C - D	818 -1983	G - H	645 -1344	D - E	761 -1653	H - I	645 -1344	E - F	890 -1871		
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**Lumber**  
 Top chord: 2x4 SP #2;  
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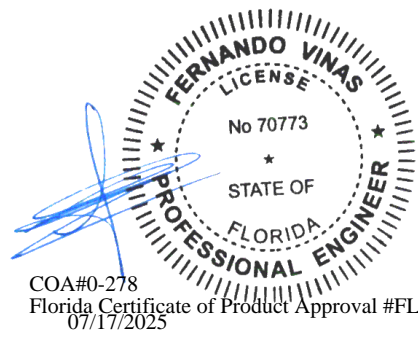
**Bracing**  
 (a) Continuous lateral restraint equally spaced on member.

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

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

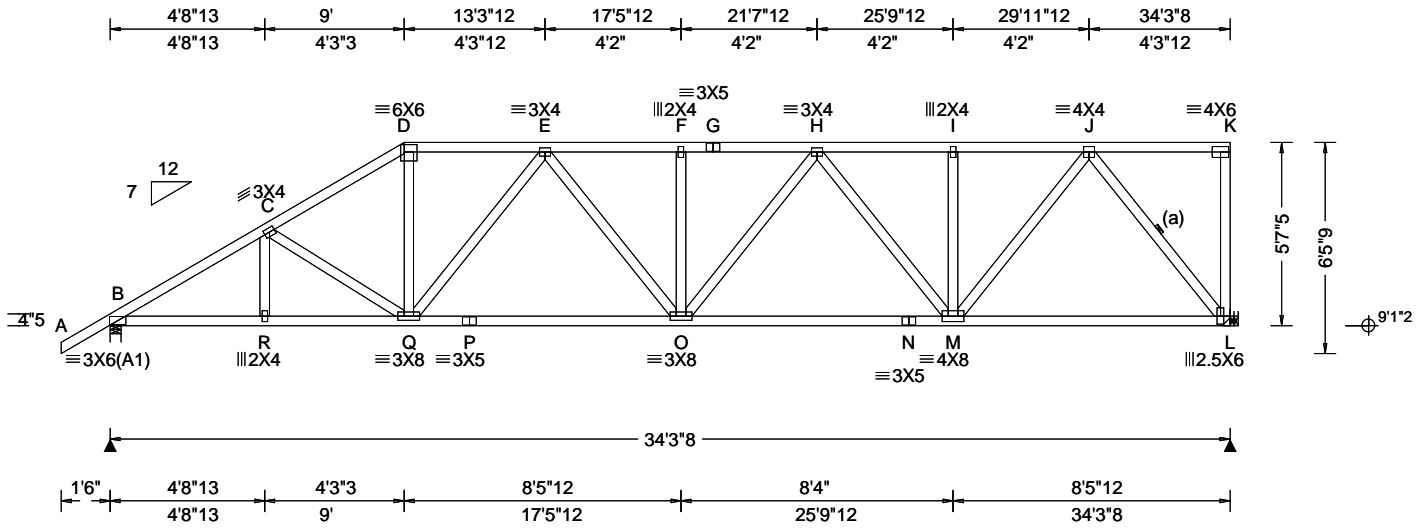
**Additional Notes**  
 The overall height of this truss excluding overhang is 6-9-5.



COA#0-278  
 Florida Certificate of Product Approval #FL1999  
 07/17/2025

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<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.43 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  <b>Building Code:</b> FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.196 F 999 240 VERT(CL): 0.197 F 999 180 HORZ(LL): 0.077 L - - HORZ(TL): 0.101 L - - Creep Factor: 2.0 Max TC CSI: 0.373 Max BC CSI: 0.904 Max Web CSI: 0.554  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> <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>1536</td> <td>-</td> <td>-</td> <td>/835</td> <td>/264</td> <td>/210</td> </tr> <tr> <td>L</td> <td>1417</td> <td>-</td> <td>-</td> <td>/725</td> <td>/276</td> <td>-</td> </tr> </tbody> </table> <p>Wind reactions based on MWFRS          B Brg Wid = 4.0 Min Req = 1.8 (Truss)          L Brg Wid = - Min Req = -          Bearing B is a rigid surface.          Members not listed have forces less than 375#</p> <b>Maximum Top Chord Forces Per Ply (lbs)</b> <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>901 -2381</td> <td>F - G</td> <td>1111 -2305</td> </tr> <tr> <td>C - D</td> <td>911 -2115</td> <td>G - H</td> <td>1111 -2305</td> </tr> <tr> <td>D - E</td> <td>838 -1792</td> <td>H - I</td> <td>841 -1738</td> </tr> <tr> <td>E - F</td> <td>1111 -2305</td> <td>I - J</td> <td>841 -1738</td> </tr> </tbody> </table> <b>Maximum Bot Chord Forces Per Ply (lbs)</b> <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 - R</td> <td>1985 -911</td> <td>O - N</td> <td>2127 -1061</td> </tr> <tr> <td>R - Q</td> <td>1984 -912</td> <td>N - M</td> <td>2127 -1061</td> </tr> <tr> <td>Q - P</td> <td>2152 -1061</td> <td>M - L</td> <td>1006 -531</td> </tr> <tr> <td>P - O</td> <td>2152 -1061</td> <td></td> <td></td> </tr> </tbody> </table> <b>Maximum Web Forces Per Ply (lbs)</b> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Webs</th> <th>Tens.Comp.</th> <th>Webs</th> <th>Tens. Comp.</th> </tr> </thead> <tbody> <tr> <td>D - Q</td> <td>756 -278</td> <td>M - J</td> <td>1187 -503</td> </tr> <tr> <td>Q - E</td> <td>379 -584</td> <td>J - L</td> <td>842 -1596</td> </tr> <tr> <td>H - M</td> <td>362 -631</td> <td></td> <td></td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	B	1536	-	-	/835	/264	/210	L	1417	-	-	/725	/276	-	Chords	Tens.Comp.	Chords	Tens. Comp.	B - C	901 -2381	F - G	1111 -2305	C - D	911 -2115	G - H	1111 -2305	D - E	838 -1792	H - I	841 -1738	E - F	1111 -2305	I - J	841 -1738	Chords	Tens.Comp.	Chords	Tens. Comp.	B - R	1985 -911	O - N	2127 -1061	R - Q	1984 -912	N - M	2127 -1061	Q - P	2152 -1061	M - L	1006 -531	P - O	2152 -1061			Webs	Tens.Comp.	Webs	Tens. Comp.	D - Q	756 -278	M - J	1187 -503	Q - E	379 -584	J - L	842 -1596	H - M	362 -631		
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**Lumber**  
 Top chord: 2x4 SP #2;  
 Bot chord: 2x4 SP #2;  
 Webs: 2x4 SP #3;

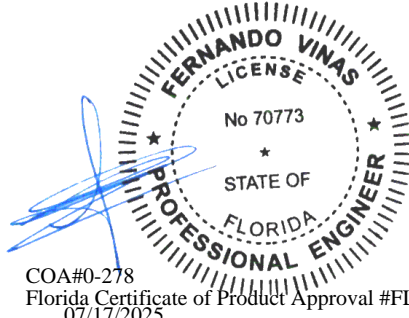
**Bracing**  
 (a) Continuous lateral restraint equally spaced on member.

**Hangers / Ties**  
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 Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.  
 Bearing at location x=34'0"8 uses the following support conditions: 34'0"8  
 Bearing L (34'0"8, 9'1"2) HGUS26  
 Supporting Member: (2)2x6 SP 2400f-2.0E  
 (20) 0.148"x3" nails into supporting member,  
 (6) 0.148"x3" nails into supported member.

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

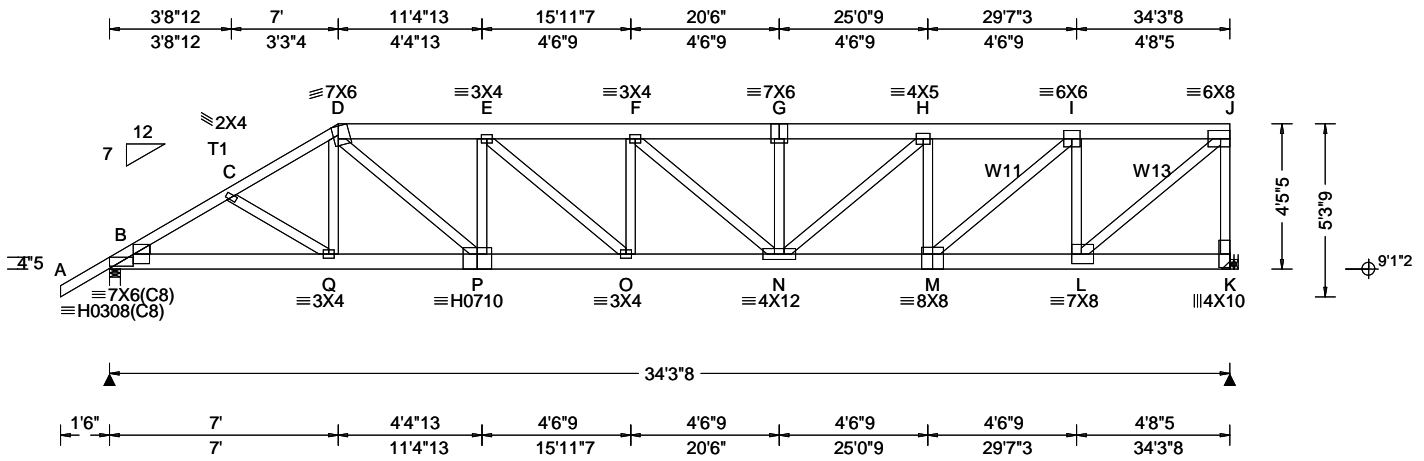
**Wind**  
 Wind loads based on MWFRS with additional C&C member design.  
 Right end vertical not exposed to wind pressure.  
 Wind loading based on both gable and hip roof types.

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



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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:	Closed
Risk Category:	II
EXP:	C    Kzt: NA
Mean Height:	15.00 ft
TCDL:	5.0 psf
BCDL:	5.0 psf
MWFRS Parallel Dist:	0 to h/2
C&C Dist a:	3.43 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):	HS, WAVE

Defl/CSI Criteria	
PP Deflection in loc L/defl L/#	
VERT(LL):	0.584 F 701 240
VERT(CL):	0.620 F 660 180
HORZ(LL):	0.134 D - -
HORZ(TL):	0.142 D - -
Creep Factor:	2.0
Max TC CSI:	0.828
Max BC CSI:	0.468
Max Web CSI:	0.937
VIEW Ver:	24.02.00D.0114.10

▲ Maximum Reactions (lbs)					
Gravity			Non-Gravity		
Loc	R+	/R-	/Rh	/Rw	/U /RL
B	3294	-	-	-	/787 -
K	3431	-	-	-	/851 -
Wind reactions based on MWFRS					
B	Brg Wid = 4.0    Min Req = 2.7 (Truss)				
K	Brg Wid = -    Min Req = -				
Bearing B is a rigid surface.					
Members not listed have forces less than 375#					
Maximum Top Chord Forces Per Ply (lbs)					
Chords	Tens.Comp.	Chords	Tens. Comp.		
B - C	1424 - 5851	F - G	1783 - 7233		
C - D	1374 - 5732	G - H	1783 - 7233		
D - E	1636 - 6693	H - I	1446 - 5862		
E - F	1838 - 7486	I - J	864 - 3505		

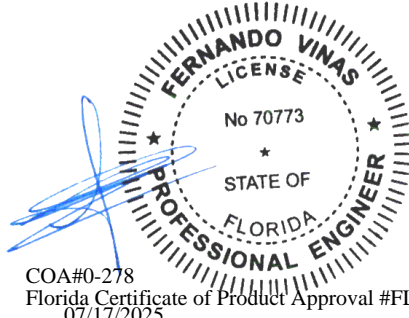
**Lumber**  
 Top chord: 2x6 SP #2; T1 2x4 SP #2;  
 Bot chord: 2x6 SP 2400f-2.0E;  
 Webs: 2x4 SP #3; W11 2x4 SP #2; W13 2x4 SP M-31;  
 Lt Wedge: 2x4 SP #3;

**Special Loads**  
 -----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
 TC: From 63 plf at -1.50 to 63 plf at 7.00  
 TC: From 32 plf at 7.00 to 32 plf at 34.29  
 BC: From 5 plf at -1.50 to 5 plf at 0.00  
 BC: From 20 plf at 0.00 to 20 plf at 7.03  
 BC: From 10 plf at 7.03 to 10 plf at 34.29  
 TC: 273 lb Conc. Load at 7.03  
 TC: 190 lb Conc. Load at 9.06,11.06,13.06,15.06  
 17.06,19.06,21.06,23.06,25.06,27.06,29.06,31.06  
 33.06  
 BC: 481 lb Conc. Load at 7.03  
 BC: 130 lb Conc. Load at 9.06,11.06,13.06,15.06  
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 33.06

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

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

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



Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - Q	4991 - 1207	O - N	7510 - 1854
Q - P	4901 - 1182	N - M	5985 - 1486
P - O	6784 - 1669	M - L	3702 - 925

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
Q - D	590 0	H - M	546 - 1684
D - P	2459 - 623	M - I	2959 - 714
P - E	469 - 1280	I - L	828 - 2698
E - O	961 - 231	L - J	4649 - 1146
G - N	272 - 537	J - K	869 - 3296
N - H	1682 - 400		

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SEQN: 689903	HIPM	Ply: 1	Job Number: 25-2306B	Cust: R215	JRef: 1YbQ2150002	T48
FROM: RFG		Qty: 1	MOSS	DrwNo: 197.25.1053.09760		
Page 2 of 2			Truss Label: G18	JKS / FV		07/16/2025

**Hangers / Ties**

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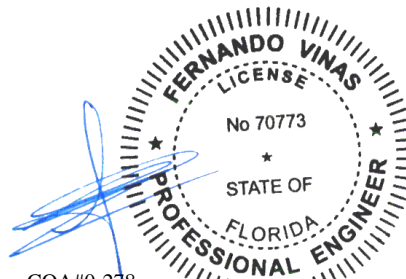
Bearing at location x=34'0"8 uses the following support conditions: 34'0"8

Bearing K (34'0"8, 9'1"2) HGUS26

Supporting Member: (2)2x6 SP 2400f-2.0E

(20) 0.148"x3" nails into supporting member,

(8) 0.148"x3" nails into supported member.



COA#0-278

Florida Certificate of Product Approval #FL1999  
07/17/2025

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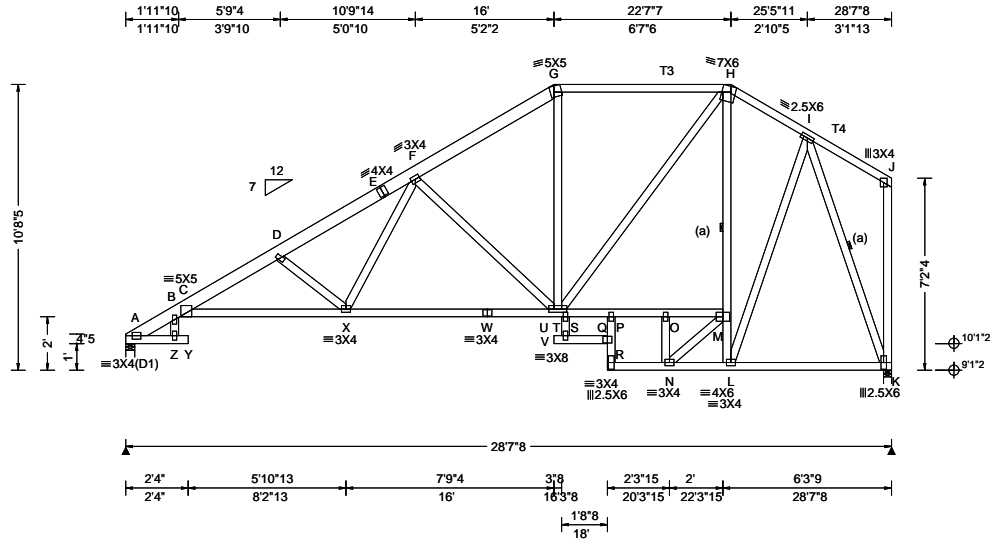
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155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025





<b>Loading Criteria</b> (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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.08 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	<b>Snow Criteria</b> (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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.373 Y 915 240 VERT(CL): 0.507 Y 674 180 HORZ(LL): 0.357 K - - HORZ(TL): 0.484 K - - Creep Factor: 2.0 Max TC CSI: 0.778 Max BC CSI: 0.865 Max Web CSI: 0.704  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A 1196 -/ - /734 -/ /286 K 1182 -/ - /654 /22 -/ Wind reactions based on MWFRS A Brg Wid = 4.0 Min Req = 1.5 (Truss) K Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings A & K are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. A - B 0 -633 E - F 493 -2124 B - C 21 -525 F - G 341 -1270 C - D 574 -2667 G - H 350 -1039 D - E 486 -2249 H - I 245 -690
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**Lumber**  
Top chord: 2x6 SP 2400f-2.0E; T3,T4 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

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

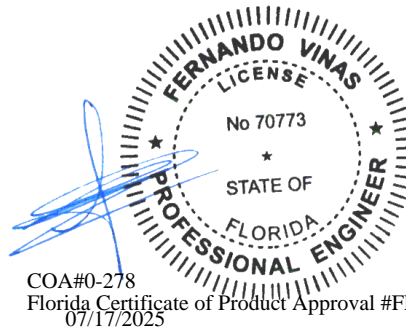
**Plating Notes**  
All plates are 2X4 except as noted.

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

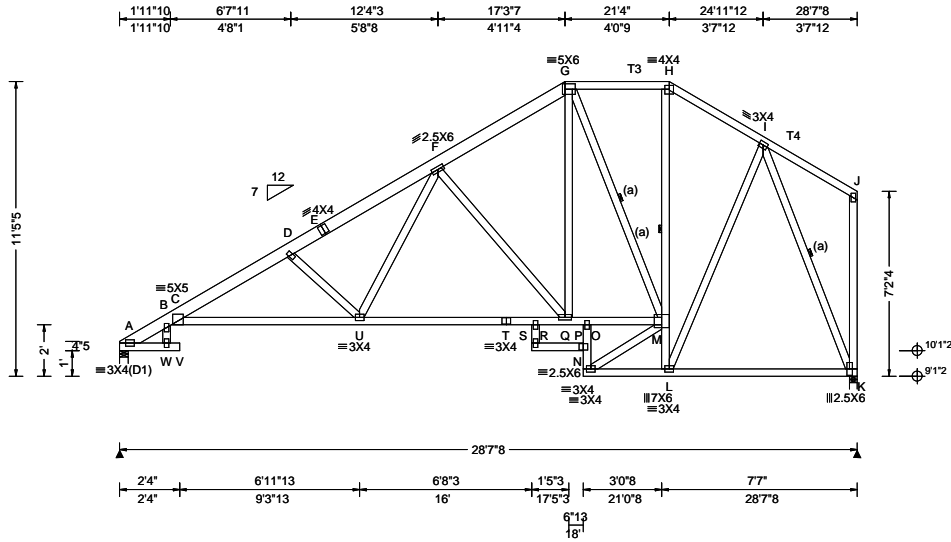
**Additional Notes**  
The overall height of this truss excluding overhang is 9-8-5.  
Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point)

<b>Maximum Bot Chord Forces Per Ply (lbs)</b>			
Chords	Tens.Comp.	Chords	Tens. Comp.
C - X	2570 -704	P - O	477 -84
X - W	1515 -384	O - M	467 -82
W - U	1515 -384	N - L	527 -92
U - S	575 -100	L - K	378 -83
S - P	477 -82		
<b>Maximum Web Forces Per Ply (lbs)</b>			
Webs	Tens.Comp.	Webs	Tens. Comp.
D - X	355 -957	N - M	96 -543
X - F	769 -146	M - H	140 -569
F - U	248 -665	L - I	588 -50
U - H	757 -172	I - K	249 -1131



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<b>Loading Criteria (psf)</b>	<b>Wind Criteria</b>	<b>Snow Criteria (Pg,Pf in PSF)</b>	<b>Defl/CSI Criteria</b>	<b>▲ Maximum Reactions (lbs)</b>
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.49 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	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): 0.265 V 999 240 VERT(CL): 0.551 V 619 180 HORZ(LL): 0.206 K - - HORZ(TL): 0.428 K - - Creep Factor: 2.0 Max TC CSI: 0.779 Max BC CSI: 0.954 Max Web CSI: 0.832  VIEW Ver: 24.02.00D.0114.10	<b>Gravity</b> Loc R+ / R- / Rh / Rw / U / RL A 1196 /- /- /734 /31 /261 K 1184 /- /- /639 /45 /- <b>Non-Gravity</b> Wind reactions based on MWFRS A Brg Wid = 4.0 Min Req = 1.5 (Truss) K Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings A & K are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. A - B 0 -633 E - F 586 -2063 B - C 0 -525 F - G 433 -1138 C - D 650 -2479 G - H 327 -596 D - E 561 -2107 H - I 342 -749

**Lumber**  
Top chord: 2x6 SP 2400f-2.0E; T3,T4 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

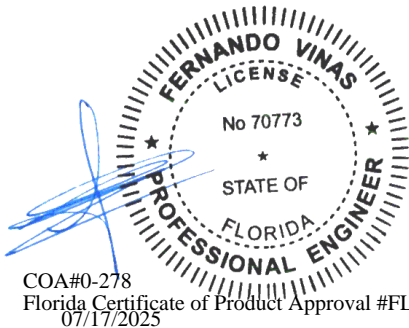
**Bracing**  
(a) Continuous lateral restraint equally spaced on member.

**Plating Notes**  
All plates are 2X4 except as noted.

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

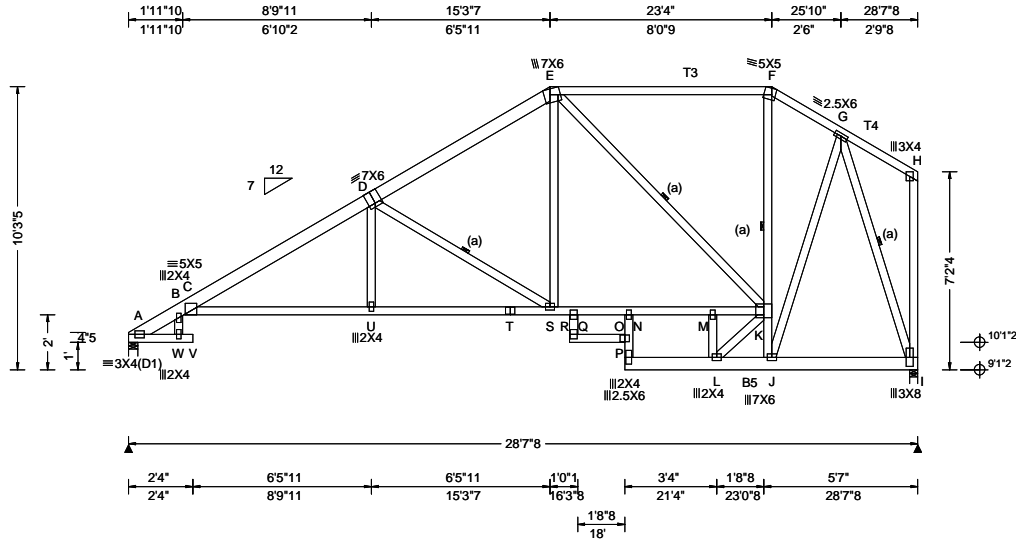
**Additional Notes**  
The overall height of this truss excluding overhang is 10-5-5.  
Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point)



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Florida Certificate of Product Approval #FL1999  
07/17/2025

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<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.341 V 999 240 VERT(CL): 0.683 V 500 180 HORZ(LL): 0.281 I - - HORZ(TL): 0.584 I - - Creep Factor: 2.0 Max TC CSI: 0.779 Max BC CSI: 0.744 Max Web CSI: 0.485  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A 1196 /- /- /735 /54 /229 I 1184 /- /- /627 /86 /- Wind reactions based on MWFRS A Brg Wid = 4.0 Min Req = 1.5 (Truss) I Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings A & I are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. A - B 11 -633 D - E 571 -1429 B - C 0 -525 E - F 347 -587 C - D 624 -2126 F - G 332 -669
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**Lumber**  
Top chord: 2x6 SP 2400f-2.0E; T3,T4 2x4 SP #2;  
Bot chord: 2x4 SP #2; B5 2x6 SP 2400f-2.0E;  
Webs: 2x4 SP #3;

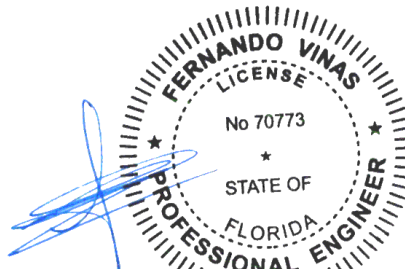
**Bracing**  
(a) Continuous lateral restraint equally spaced on member.

**Plating Notes**  
All plates are 3X4 except as noted.

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

**Wind**  
Wind loads 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.

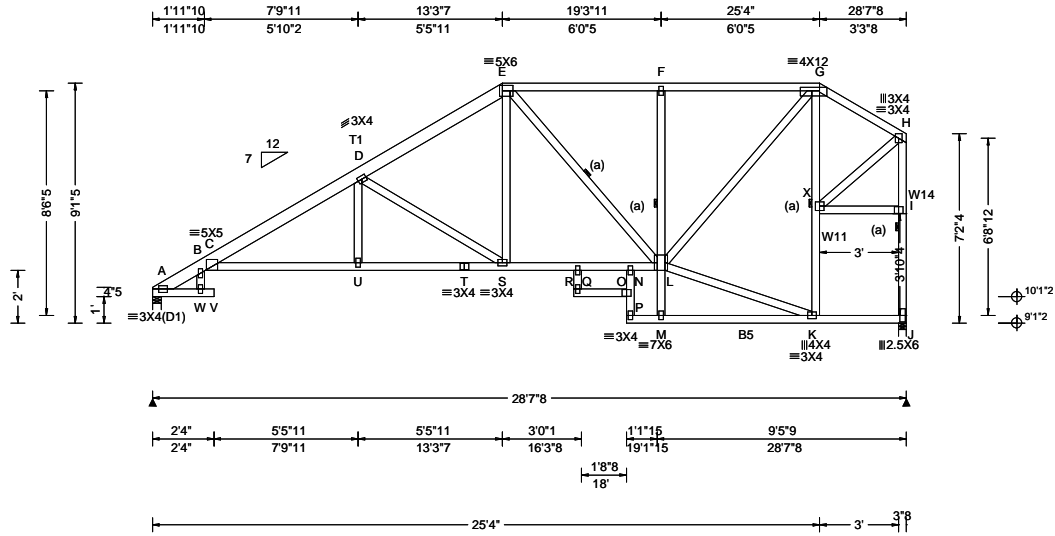
**Additional Notes**  
The overall height of this truss excluding overhang is 93-5.  
Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point)



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<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.331 U 999 240 VERT(CL): 0.687 U 497 180 HORZ(LL): 0.335 H - - HORZ(TL): 0.696 H - - Creep Factor: 2.0 Max TC CSI: 0.779 Max BC CSI: 0.680 Max Web CSI: 0.998  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 1196 -/- /- /731 /76 /199 J 1184 -/- /- /620 /133 /- Wind reactions based on MWFRS A Brg Wid = 4.0 Min Req = 1.5 (Truss) J Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings A & J are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. A - B 34 -633 E - F 628 -1158 B - C 16 -525 F - G 626 -1155 C - D 764 -2261 G - H 334 -670 D - E 678 -1597
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**Lumber**  
Top chord: 2x4 SP #2; T1 2x6 SP 2400f-2.0E;  
Bot chord: 2x4 SP #2; B5 2x4 SP M-31;  
Webs: 2x4 SP #3; W11, W14 2x4 SP M-31;

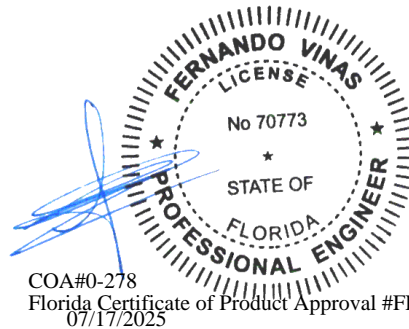
**Bracing**  
(a) Continuous lateral restraint equally spaced on member.

**Plating Notes**  
All plates are 2X4 except as noted.

**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.  
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 8'-1-5".  
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)**

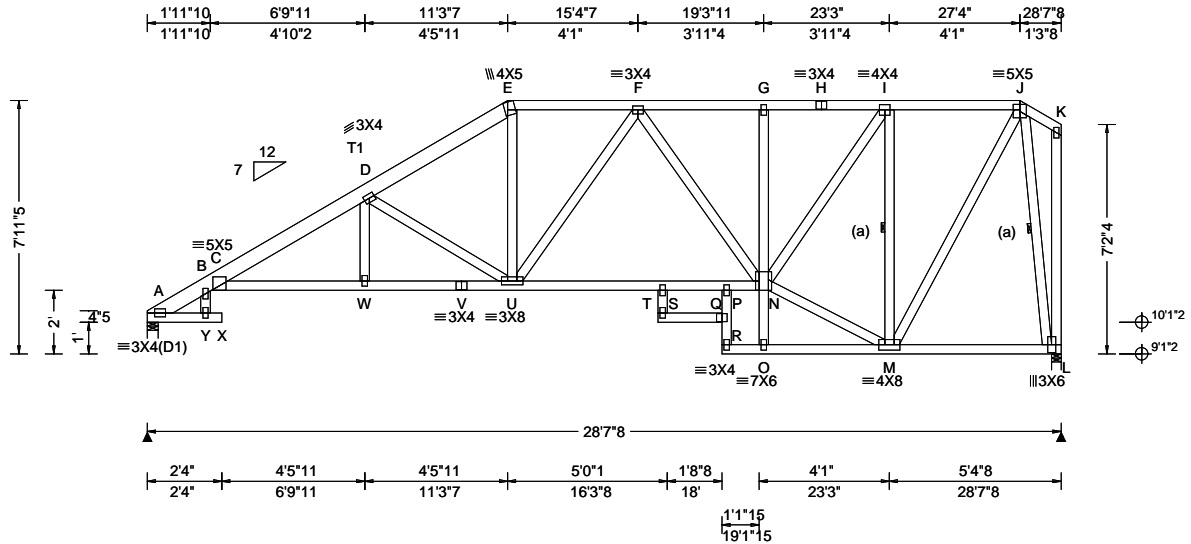
Chords	Tens.Comp.	Chords	Tens. Comp.
C - U	2087 -835	S - Q	1256 -540
U - T	2084 -835	Q - N	1251 -532
T - S	2084 -835	N - L	1238 -526

**Maximum Web Forces Per Ply (lbs)**

Webs	Tens.Comp.	Webs	Tens. Comp.
D - S	351 -985	X - I	241 -522
E - S	603 -120	X - H	1051 -485
L - G	1194 -573	I - H	501 -1061
F - L	404 -449	I - J	511 -1083
X - G	467 -805		

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<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.274 X 999 240 VERT(CL): 0.537 X 636 180 HORZ(LL): 0.206 L - - HORZ(TL): 0.428 L - - Creep Factor: 2.0 Max TC CSI: 0.779 Max BC CSI: 0.672 Max Web CSI: 0.794  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A 1196 /- /- /723 /180 /206 L 1184 /- /- /618 /234 /- Wind reactions based on MWFRS A Brg Wid = 4.0 Min Req = 1.5 (Truss) L Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings A & L are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. A - B 51 -633 F - G 708 -1351 B - C 30 -525 G - H 706 -1348 C - D 905 -2392 H - I 706 -1348 D - E 796 -1801 I - J 394 -694 E - F 710 -1460
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**Lumber**  
Top chord: 2x4 SP #2; T1 2x6 SP 2400f-2.0E;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

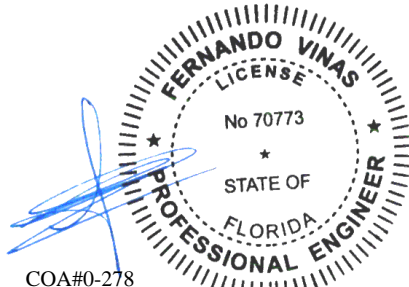
**Bracing**  
(a) Continuous lateral restraint equally spaced on member.

**Plating Notes**  
All plates are 2X4 except as noted.

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

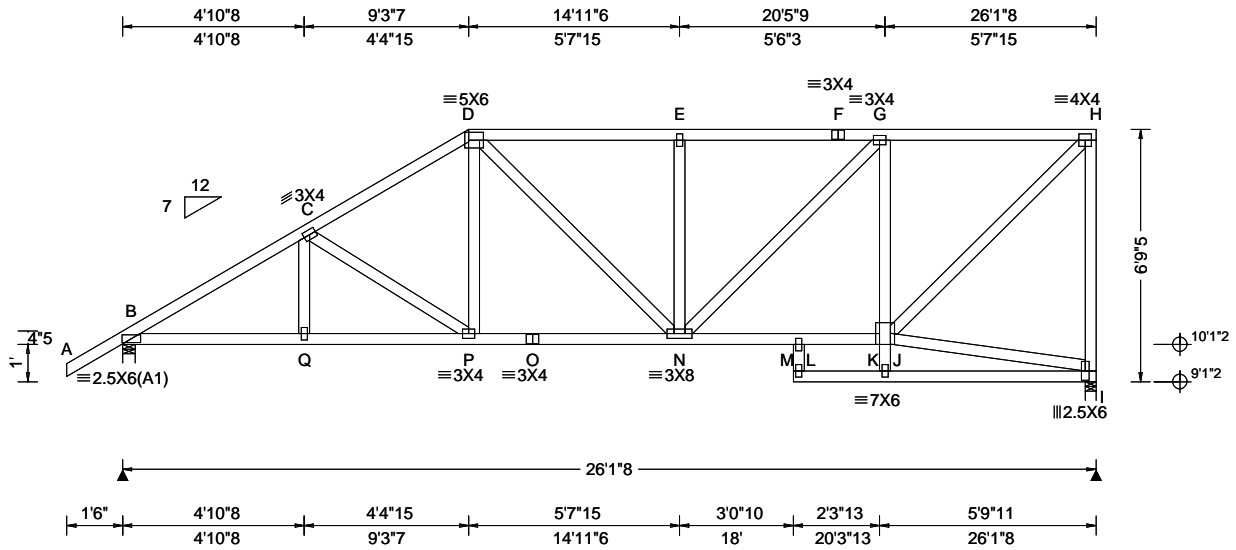
**Additional Notes**  
The overall height of this truss excluding overhang is 6-11-5.  
Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point)



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<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.058 E 999 240 VERT(CL): 0.119 E 999 180 HORZ(LL): 0.027 I - - HORZ(TL): 0.056 I - - Creep Factor: 2.0 Max TC CSI: 0.519 Max BC CSI: 0.473 Max Web CSI: 0.835  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1197 -/ - /655 /196 /216 I 1077 -/ - /565 /218 -/ Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) I Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings B & I are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - C 639 -1748 E - F 711 -1278 C - D 665 -1444 F - G 711 -1278 D - E 711 -1279 G - H 528 -931
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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 except as noted.

**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.

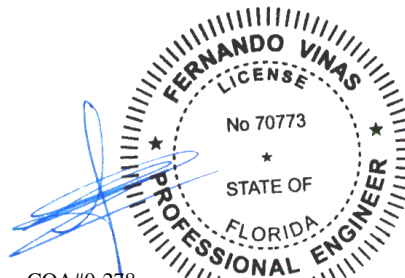
Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

**Additional Notes**

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

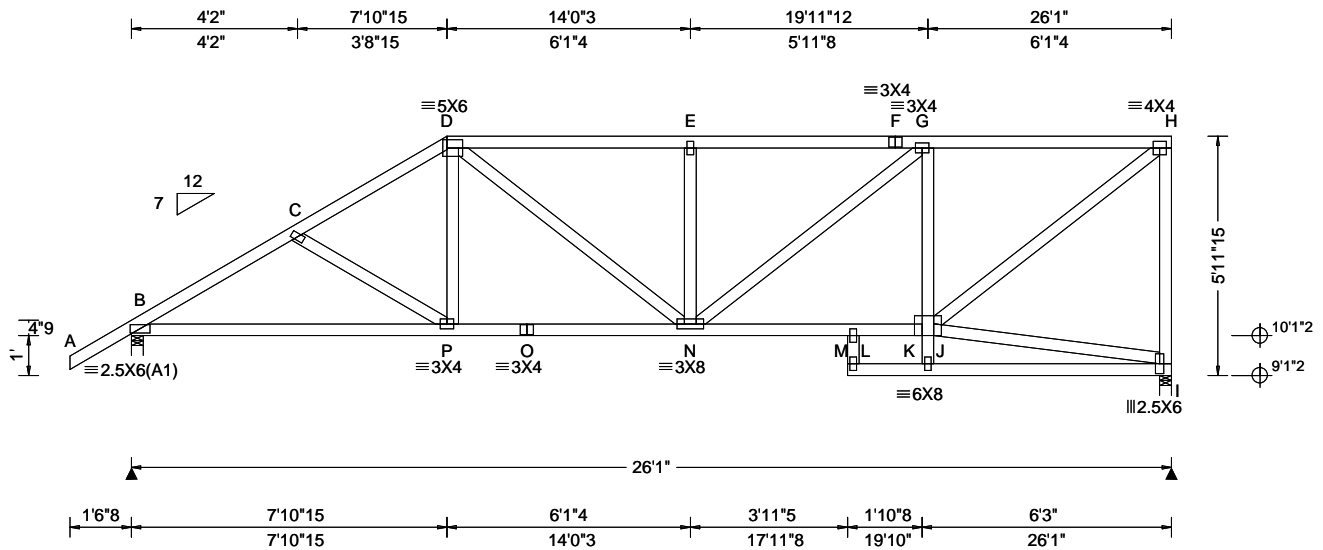
Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point)



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Florida Certificate of Product Approval #FL1999  
07/17/2025

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<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.069 E 999 240 VERT(CL): 0.142 E 999 180 HORZ(LL): 0.030 I - - HORZ(TL): 0.061 I - - Creep Factor: 2.0 Max TC CSI: 0.638 Max BC CSI: 0.589 Max Web CSI: 0.880  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1199 - / - / - / 642 / 203 / 188 I 1075 - / - / - / 555 / 213 / - Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 (Truss) I Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings B & I are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - C 729 -1726 E - F 859 -1512 C - D 721 -1529 F - G 859 -1512 D - E 860 -1512 G - H 658 -1147  <b>Maximum Bot Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - P 1424 -733 N - L 1169 -675 P - O 1279 -669 L - J 1151 -660 O - N 1279 -669  <b>Maximum Web Forces Per Ply (lbs)</b> Webs Tens.Comp. Webs Tens. Comp. E - N 375 -400 J - H 1429 -820 N - G 546 -257 H - I 649 -1013 G - J 553 -704
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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 except as noted.

**Purlins**

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

**Wind**

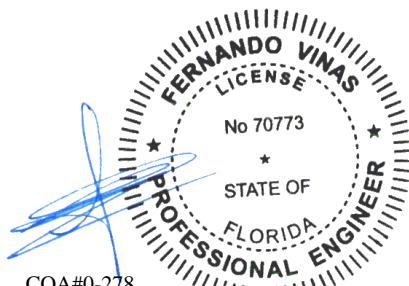
Wind loads based on MWFRS with additional C&C member design.

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

**Additional Notes**

The overall height of this truss excluding overhang is 4-11-15.

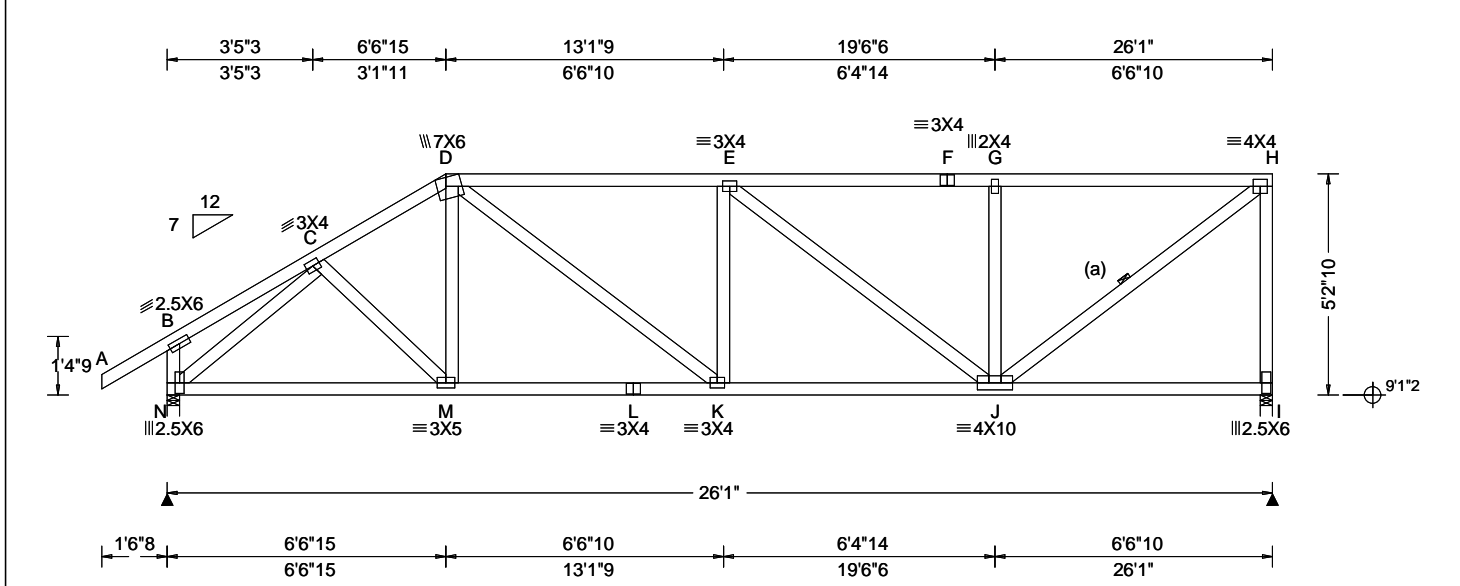
Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point)



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<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.057 E 999 240 VERT(CL): 0.118 E 999 180 HORZ(LL): 0.020 D - - HORZ(TL): 0.042 D - - Creep Factor: 2.0 Max TC CSI: 0.724 Max BC CSI: 0.581 Max Web CSI: 0.548  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Loc R+ / R- / Rh / Rw / U / RL N 1192 - / - / 623 / 201 / 208 I 1081 - / - / 554 / 217 - Wind reactions based on MWFRS N Brg Wid = 3.5 Min Req = 1.5 (Truss) I Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings N & I are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. C - D 672 - 1328 F - G 674 - 1144 D - E 858 - 1471 G - H 674 - 1144 E - F 674 - 1144
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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**

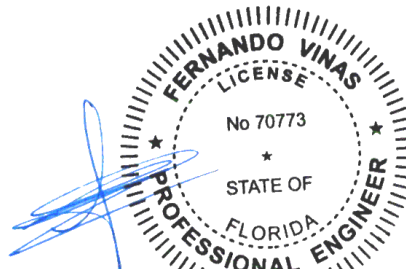
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

**Wind**

Wind loads based on MWFRS with additional C&C member design.  
Left end vertical exposed to wind pressure. Deflection meets L/360.  
Right end vertical not exposed to wind pressure.  
Wind loading based on both gable and hip roof types.

**Additional Notes**

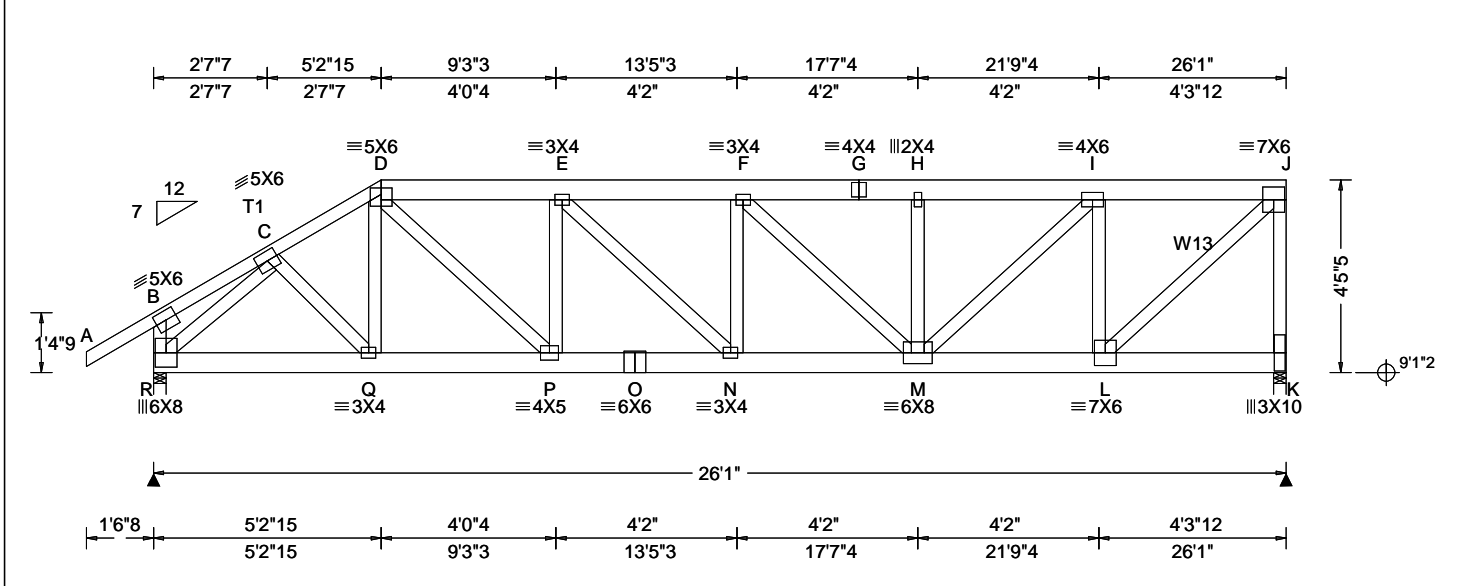
The overall height of this truss excluding overhang is 5-2-10.



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<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.122 N 999 240 VERT(CL): 0.245 N 999 180 HORZ(LL): 0.033 D - - HORZ(TL): 0.067 D - - Creep Factor: 2.0 Max TC CSI: 0.405 Max BC CSI: 0.298 Max Web CSI: 0.888  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL R 2521 - / - / - / - /567 /45 K 2679 - / - / - / - /657 -/ Wind reactions based on MWFRS R Brg Wid = 3.5 Min Req = 2.1 (Truss) K Brg Wid = 3.5 Min Req = 2.2 (Truss) Bearings R & K are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. C - D 739 -3306 G - H 929 -3845 D - E 944 -4026 H - I 929 -3845 E - F 1047 -4385 I - J 575 -2377 F - G 929 -3845
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**Lumber**

Top chord: 2x6 SP #2; T1 2x4 SP #2;  
Bot chord: 2x6 SP 2400f-2.0E;  
Webs: 2x4 SP #3; W13 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 5.24  
TC: From 32 plf at 5.24 to 32 plf at 26.08  
BC: From 5 plf at -1.54 to 5 plf at 0.00  
BC: From 20 plf at 0.00 to 20 plf at 5.28  
BC: From 10 plf at 5.28 to 10 plf at 26.08  
TC: 234 lb Conc. Load at 5.28  
TC: 190 lb Conc. Load at 7.31, 9.31,11.31,13.31  
15.31,17.31,19.31,21.31,23.31,25.31  
BC: 364 lb Conc. Load at 5.28  
BC: 130 lb Conc. Load at 7.31, 9.31,11.31,13.31  
15.31,17.31,19.31,21.31,23.31,25.31

**Purlins**

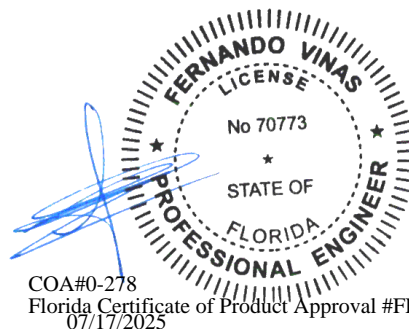
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

**Wind**

Wind loads and reactions based on MWFRS.  
Left end vertical exposed to wind pressure. Deflection meets L/360.  
Right end vertical not exposed to wind pressure.  
Wind loading based on both gable and hip roof types.

**Additional Notes**

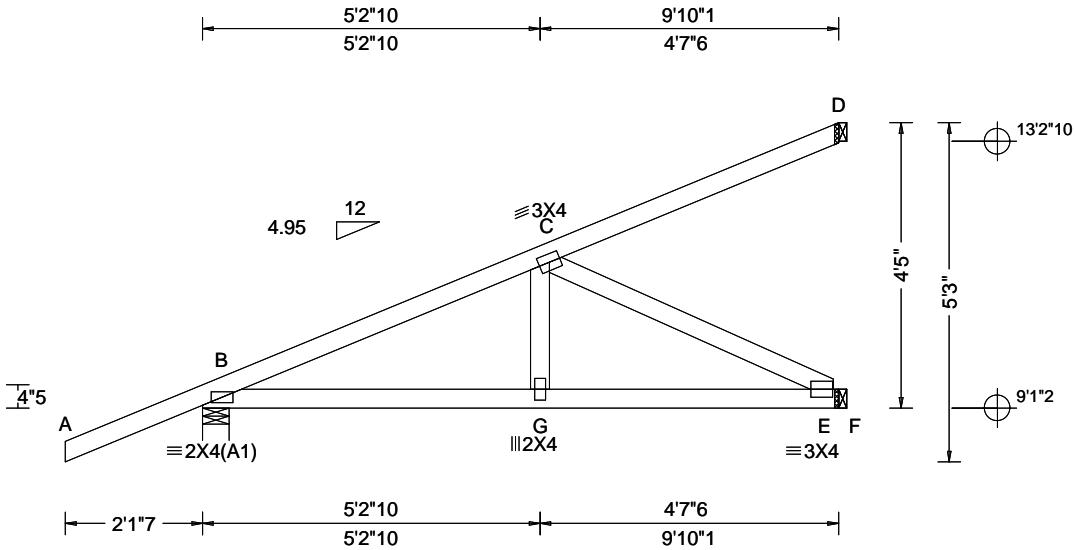
The overall height of this truss excluding overhang is 4-5-5.



<b>Maximum Bot Chord Forces Per Ply (lbs)</b>			
Chords	Tens.Comp.	Chords	Tens. Comp.
R - Q	2330 -530	O - N	4087 -970
Q - P	2851 -644	N - M	4385 -1057
P - O	4087 -970	M - L	2517 -620
<b>Maximum Web Forces Per Ply (lbs)</b>			
Webs	Tens.Comp.	Webs	Tens. Comp.
R - C	693 -3217	H - M	238 -472
C - Q	741 -146	M - I	1869 -434
D - P	1686 -430	I - L	614 -1926
P - E	363 -871	L - J	3279 -793
E - N	428 -111	J - K	676 -2525
F - M	181 -759		

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<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.016 G 999 240 VERT(CL): 0.030 G 999 180 HORZ(LL): 0.005 F - - HORZ(TL): 0.010 F - - Creep Factor: 2.0 Max TC CSI: 0.593 Max BC CSI: 0.584 Max Web CSI: 0.338  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Loc R+ /R- /Rh /Rw /U /RL Non-Gravity B 370 /- /- /- /96 /- E 351 /- /- /- /63 /- D 83 /- /- /- /39 /- Wind reactions based on MWFRS B Brg Wid = 4.9 Min Req = 1.5 (Truss) E Brg Wid = 1.5 Min Req = - D Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. B - C 155 -644  <b>Maximum Bot Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - G 594 -139 G - F 585 -141  <b>Maximum Web Forces Per Ply (lbs)</b> Webs Tens.Comp. C - F 158 -655
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**Lumber**

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

**Special Loads**

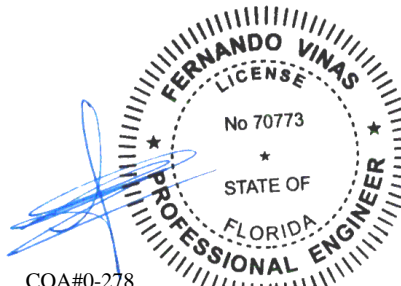
----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 0 plf at -2.12 to 62 plf at 0.00  
TC: From 2 plf at 0.00 to 2 plf at 9.84  
BC: From 0 plf at -2.12 to 4 plf at 0.00  
BC: From 2 plf at 0.00 to 2 plf at 9.84  
TC: -15 lb Conc. Load at 1.50  
TC: 130 lb Conc. Load at 4.32  
TC: 262 lb Conc. Load at 7.15  
BC: 12 lb Conc. Load at 1.50  
BC: 102 lb Conc. Load at 4.32  
BC: 183 lb Conc. Load at 7.15

**Wind**

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

**Additional Notes**

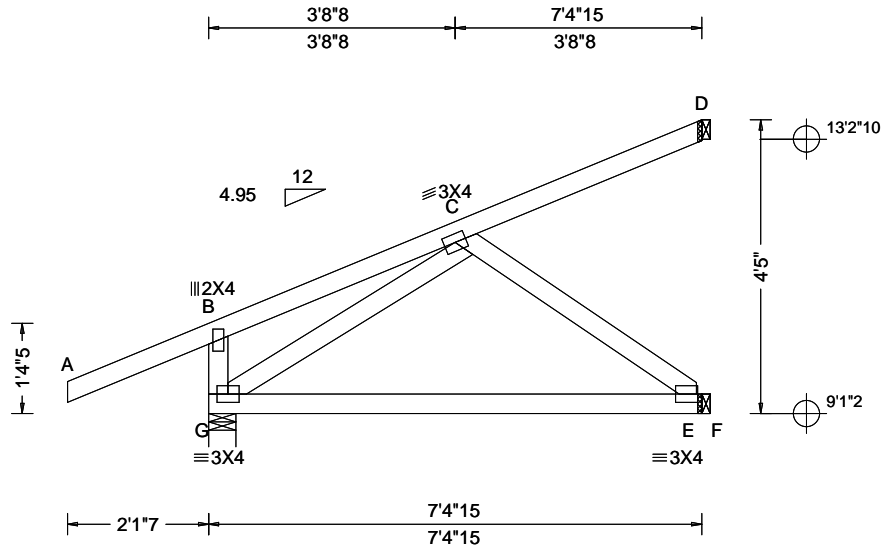
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<b>Loading Criteria (psf)</b> TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.007 F 999 240 VERT(CL): 0.014 F 999 180 HORZ(LL): 0.003 C - - HORZ(TL): 0.006 C - - Creep Factor: 2.0 Max TC CSI: 0.300 Max BC CSI: 0.947 Max Web CSI: 0.225 VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> <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>G</td> <td>328</td> <td>-</td> <td>-</td> <td>-</td> <td>/44</td> <td>/47</td> </tr> <tr> <td>E</td> <td>234</td> <td>-</td> <td>-</td> <td>-</td> <td>/8</td> <td>-</td> </tr> <tr> <td>D</td> <td>45</td> <td>-</td> <td>-</td> <td>-</td> <td>/8</td> <td>-</td> </tr> </tbody> </table> <p>Wind reactions based on MWFRS          G Brg Wid = 4.9 Min Req = 1.5 (Truss)          E Brg Wid = 1.5 Min Req = -          D Brg Wid = 1.5 Min Req = -          Bearing G is a rigid surface.          Members not listed have forces less than 375#</p>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	G	328	-	-	-	/44	/47	E	234	-	-	-	/8	-	D	45	-	-	-	/8	-
Loc	Gravity			Non-Gravity																																		
	R+	/R-	/Rh	/Rw	/U	/RL																																
G	328	-	-	-	/44	/47																																
E	234	-	-	-	/8	-																																
D	45	-	-	-	/8	-																																

**Lumber**

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

**Special Loads**

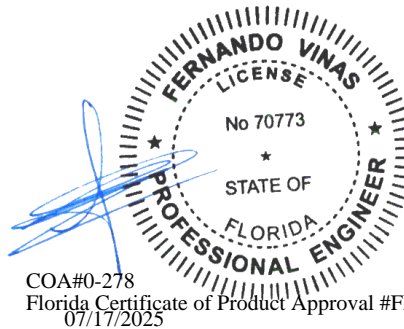
----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
 TC: From 0 plf at -2.12 to 62 plf at 0.00  
 TC: From 2 plf at 0.00 to 2 plf at 7.41  
 BC: From 0 plf at -2.12 to 4 plf at 0.00  
 BC: From 2 plf at 0.00 to 2 plf at 7.41  
 TC: 65 lb Conc. Load at 1.90  
 TC: -3 lb Conc. Load at 1.90  
 TC: 211 lb Conc. Load at 4.73  
 BC: 77 lb Conc. Load at 1.90  
 BC: 157 lb Conc. Load at 4.73

**Wind**

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

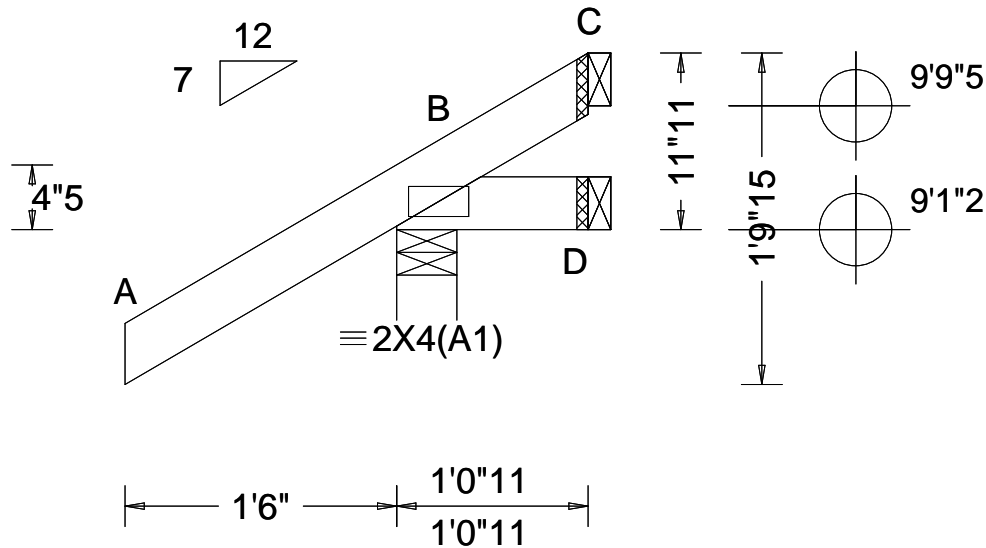
**Additional Notes**

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



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<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCp: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> 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: 0.259 Max BC CSI: 0.042 Max Web CSI: 0.000 VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> <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>253</td> <td>/-</td> <td>/-</td> <td>/77</td> <td>/60</td> <td>/46</td> </tr> <tr> <td>D</td> <td>6</td> <td>/-15</td> <td>/-</td> <td>/15</td> <td>/-</td> <td>/-</td> </tr> <tr> <td>C</td> <td>-</td> <td>/-48</td> <td>/-</td> <td>/33</td> <td>/7</td> <td>/-</td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	B	253	/-	/-	/77	/60	/46	D	6	/-15	/-	/15	/-	/-	C	-	/-48	/-	/33	/7	/-
				Loc		Gravity			Non-Gravity																													
R+	/R-	/Rh	/Rw		/U	/RL																																
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**Lumber**

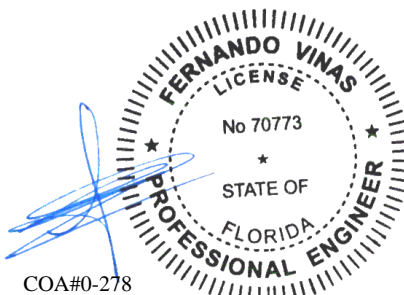
Top chord: 2x4 SP #2;  
 Bot chord: 2x4 SP #2;

**Wind**

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

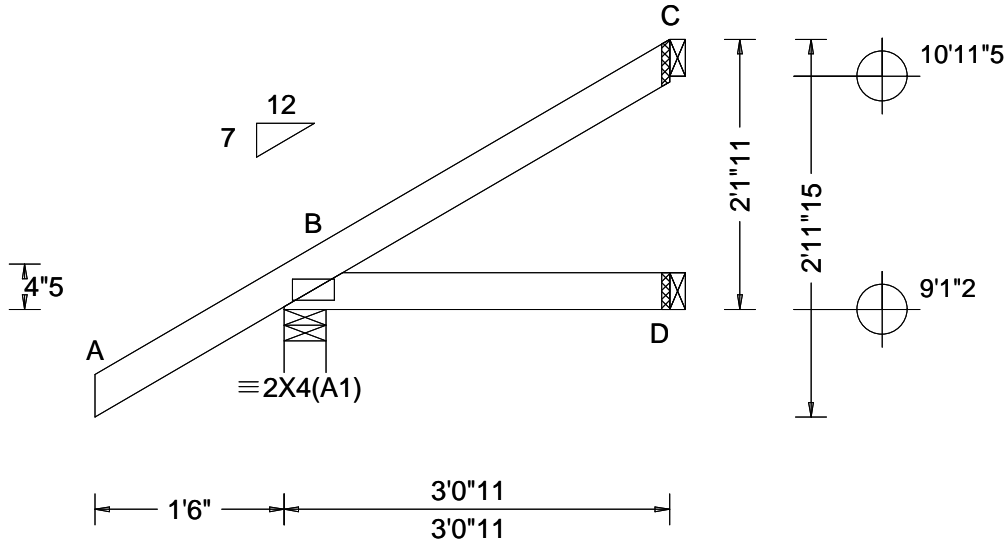
**Additional Notes**

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



COA#0-278  
 Florida Certificate of Product Approval #FL1999  
 07/17/2025

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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	266	/-	/-	/104	/36	/87
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	D	51	/-	/-	/33	/-	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.002 B - -	C	65	/-	/-	/56	/39	/-
Des Ld: 40.00	EXP: C Kzt: NA	Building Code:	HORZ(TL): 0.002 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 (Truss)						
Soffit: 2.00	TCDL: 5.0 psf	TPI Std: 2014	Max TC CSI: 0.259	D Brg Wid = 1.5 Min Req = -						
Load Duration: 1.25	BCDL: 5.0 psf	Rep Fac: Yes	Max BC CSI: 0.069	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.0114.10	Members not listed have forces less than 375#						
	Loc. from endwall: Any	WAVE								
	GCp1: 0.18									
	Wind Duration: 1.60									

#### Lumber

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

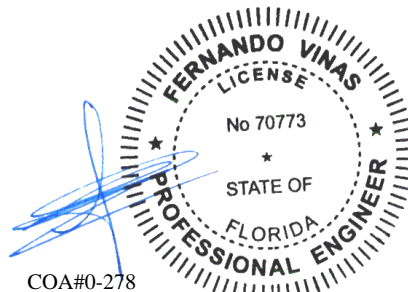
#### Wind

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 2-1-11.

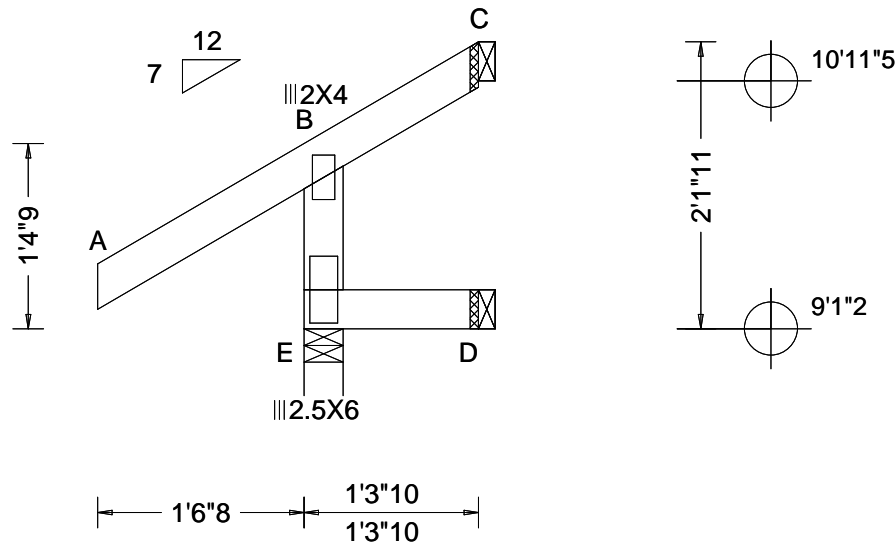


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155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)																																		
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 Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 B 999 240 VERT(CL): 0.000 B 999 180 HORZ(LL): 0.000 B - - HORZ(TL): 0.000 B - - Creep Factor: 2.0 Max TC CSI: 0.221 Max BC CSI: 0.016 Max Web CSI: 0.121 VIEW Ver: 24.02.00D.0114.10	<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>E</td> <td>221</td> <td>/-</td> <td>/-</td> <td>/66</td> <td>/104</td> <td>/-</td> </tr> <tr> <td>D</td> <td>26</td> <td>/-</td> <td>/-</td> <td>/13</td> <td>/-</td> <td>/17</td> </tr> <tr> <td>C</td> <td>-</td> <td>/-21</td> <td>/-</td> <td>/55</td> <td>/-</td> <td>/84</td> </tr> </tbody> </table> Wind reactions based on MWFRS E Brg Wid = 3.5 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375#	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	E	221	/-	/-	/66	/104	/-	D	26	/-	/-	/13	/-	/17	C	-	/-21	/-	/55	/-	/84
Loc	Gravity			Non-Gravity																																		
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**Lumber**

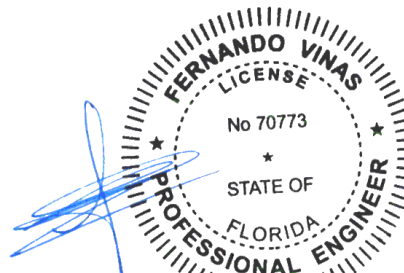
Top chord: 2x4 SP #2;  
 Bot chord: 2x4 SP #2;  
 Webs: 2x4 SP #3;

**Wind**

Wind loads based on MWFRS with additional C&C member design.  
 Left end vertical exposed to wind pressure. Deflection meets L/360.  
 Wind loading based on both gable and hip roof types.

**Additional Notes**

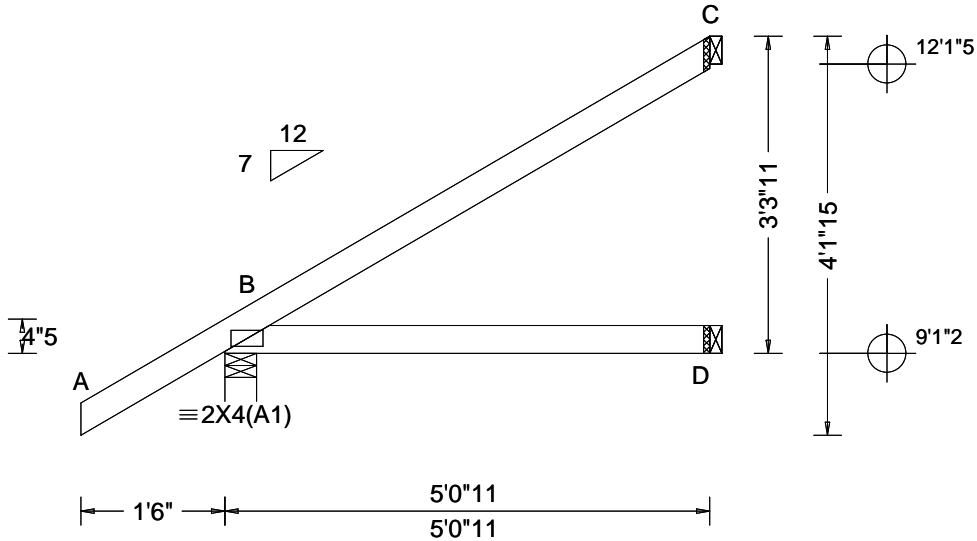
The overall height of this truss excluding overhang is 2-1-11.



COA#0-278  
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<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp1: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> 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: 0.355 Max BC CSI: 0.244 Max Web CSI: 0.000  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 337 /- /- /145 /34 /128 D 91 /- /- /56 /- /- C 131 /- /- /94 /73 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#
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**Lumber**

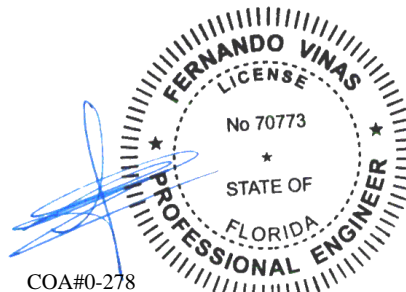
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

**Wind**

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

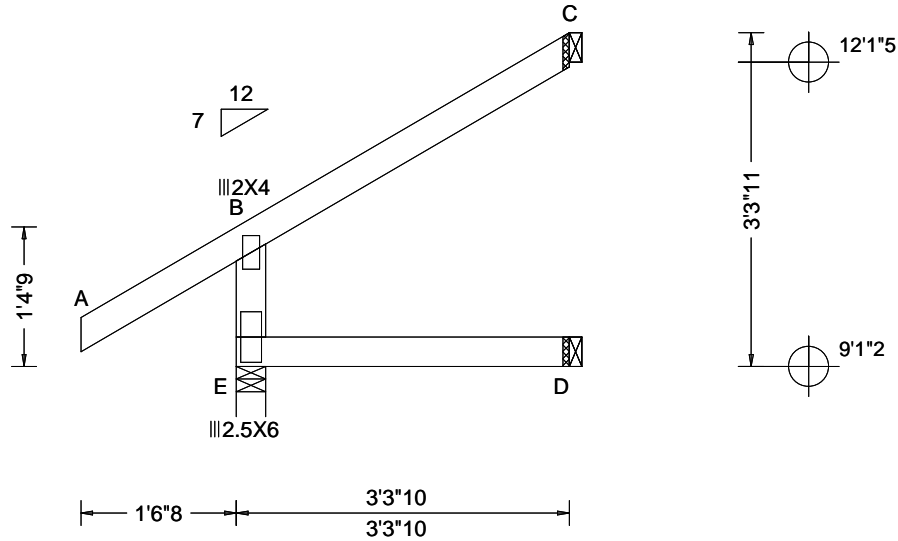
**Additional Notes**

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



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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:	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): 0.000 B 999 240	E	266	/-	/-	/121	/112	/-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.000 B 999 180	D	66	/-	/-	/33	/-	/17
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 B - - -	C	80	/-	/-	/48	/-	/125
Des Ld: 40.00	EXP: C Kzt: NA	Building Code:	HORZ(TL): 0.001 B - - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 15.00 ft	FBC 8th Ed. 2023 Res.	Creep Factor: 2.0	E Brg Wid = 3.5 Min Req = 1.5 (Truss)						
Soffit: 2.00	TCDL: 5.0 psf	TPI Std: 2014	Max TC CSI: 0.251	D Brg Wid = 1.5 Min Req = -						
Load Duration: 1.25	BCDL: 5.0 psf	Rep Fac: Yes	Max BC CSI: 0.121	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: 0.127	Bearing E is a rigid surface.						
	C&C Dist a: 3.00 ft	Plate Type(s):	VIEW Ver: 24.02.00D.0114.10	Members not listed have forces less than 375#						
	Loc. from endwall: not in 4.50 ft	WAVE		<b>Maximum Web Forces Per Ply (lbs)</b>						
	GCp: 0.18			Webs	Tens.Comp.					
	Wind Duration: 1.60			B - E	387	-233				

**Lumber**

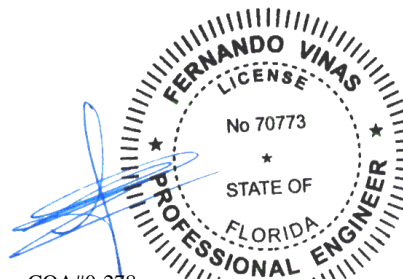
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

**Wind**

Wind loads based on MWFRS with additional C&C member design.  
Left end vertical exposed to wind pressure. Deflection meets L/360.  
Wind loading based on both gable and hip roof types.

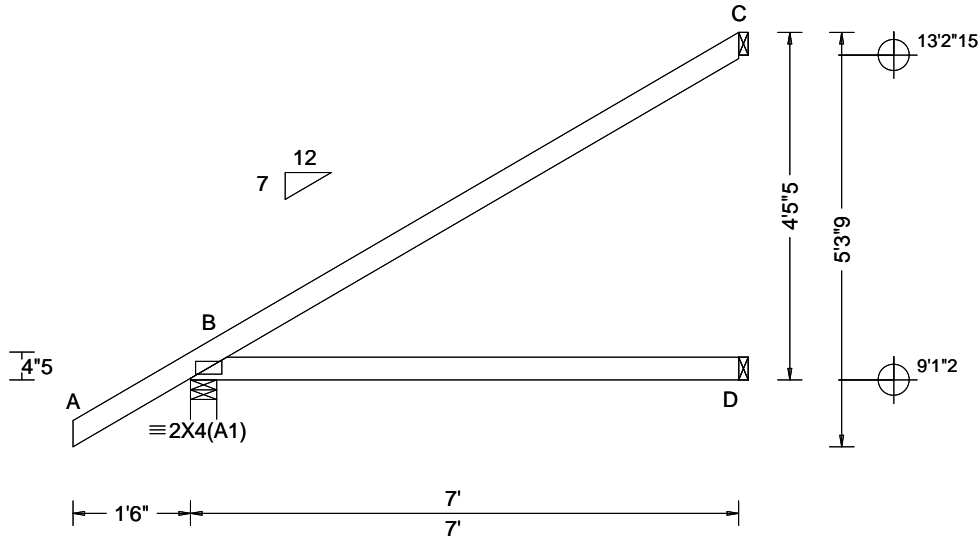
**Additional Notes**

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



COA#0-278  
Florida Certificate of Product Approval #FL1999  
07/17/2025

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<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	<b>Defl/CSI Criteria</b> 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: 0.730 Max BC CSI: 0.520 Max Web CSI: 0.000  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> <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>B</td> <td>412</td> <td>-</td> <td>-</td> <td>/279</td> <td>/34</td> <td>/169</td> </tr> <tr> <td>D</td> <td>130</td> <td>-</td> <td>-</td> <td>/73</td> <td>-</td> <td>-</td> </tr> <tr> <td>C</td> <td>190</td> <td>-</td> <td>-</td> <td>/124</td> <td>/103</td> <td>-</td> </tr> </tbody> </table> Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	B	412	-	-	/279	/34	/169	D	130	-	-	/73	-	-	C	190	-	-	/124	/103	-
Loc	Gravity			Non-Gravity																																		
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**Lumber**

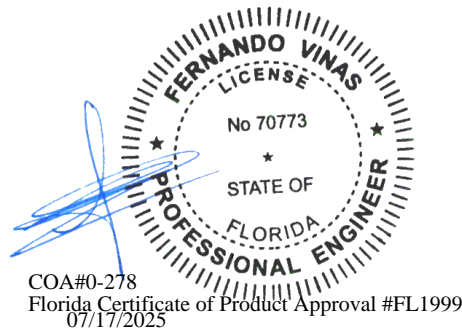
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

**Wind**

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

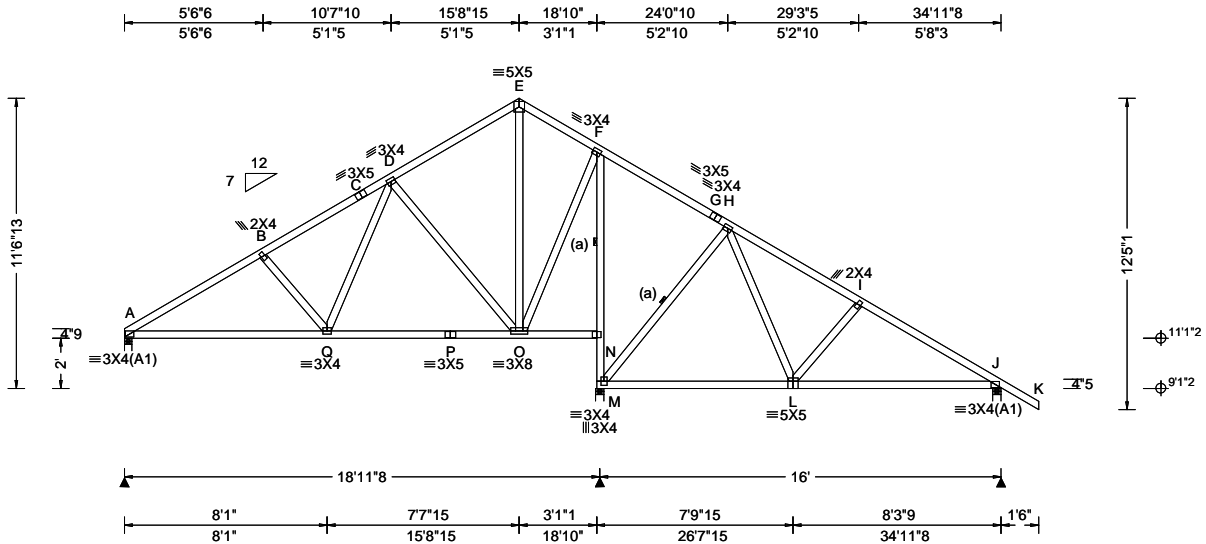
**Additional Notes**

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



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<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.50 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  <b>Building Code:</b> FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.026 Q 999 240 VERT(CL): 0.054 Q 999 180 HORZ(LL): 0.009 B - - HORZ(TL): 0.020 M - - Creep Factor: 2.0 Max TC CSI: 0.293 Max BC CSI: 0.607 Max Web CSI: 0.711  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> <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>A</td> <td>788</td> <td>-</td> <td>-</td> <td>/447</td> <td>/57</td> <td>/312</td> </tr> <tr> <td>M</td> <td>1478</td> <td>-</td> <td>-</td> <td>/850</td> <td>-</td> <td>-</td> </tr> <tr> <td>J</td> <td>756</td> <td>-</td> <td>-</td> <td>/482</td> <td>/119</td> <td>-</td> </tr> </tbody> </table> Wind reactions based on MWFRS A Brg Wid = 3.5 Min Req = 1.5 (Truss) M Brg Wid = 4.0 Min Req = 1.7 (Truss) J Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings A, M, & J are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> <table border="1" 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>417 -1157</td> <td>F - G</td> <td>394 -120</td> </tr> <tr> <td>B - C</td> <td>413 -950</td> <td>H - I</td> <td>421 -662</td> </tr> <tr> <td>C - D</td> <td>419 -823</td> <td>I - J</td> <td>415 -874</td> </tr> <tr> <td>E - F</td> <td>400 -312</td> <td></td> <td></td> </tr> </tbody> </table> <b>Maximum Bot Chord Forces Per Ply (lbs)</b> <table border="1" 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 - Q</td> <td>936 -176</td> <td>P - O</td> <td>591 -88</td> </tr> <tr> <td>Q - P</td> <td>591 -88</td> <td>L - J</td> <td>689 -230</td> </tr> </tbody> </table> <b>Maximum Web Forces Per Ply (lbs)</b> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Webs</th> <th>Tens.Comp.</th> <th>Webs</th> <th>Tens. Comp.</th> </tr> </thead> <tbody> <tr> <td>Q - D</td> <td>465 -63</td> <td>N - M</td> <td>0 -970</td> </tr> <tr> <td>D - O</td> <td>215 -567</td> <td>M - H</td> <td>207 -572</td> </tr> <tr> <td>O - F</td> <td>597 -48</td> <td>H - L</td> <td>493 -47</td> </tr> <tr> <td>F - N</td> <td>0 -952</td> <td></td> <td></td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	A	788	-	-	/447	/57	/312	M	1478	-	-	/850	-	-	J	756	-	-	/482	/119	-	Chords	Tens.Comp.	Chords	Tens. Comp.	A - B	417 -1157	F - G	394 -120	B - C	413 -950	H - I	421 -662	C - D	419 -823	I - J	415 -874	E - F	400 -312			Chords	Tens.Comp.	Chords	Tens. Comp.	A - Q	936 -176	P - O	591 -88	Q - P	591 -88	L - J	689 -230	Webs	Tens.Comp.	Webs	Tens. Comp.	Q - D	465 -63	N - M	0 -970	D - O	215 -567	M - H	207 -572	O - F	597 -48	H - L	493 -47	F - N	0 -952		
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**Lumber**

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

**Bracing**

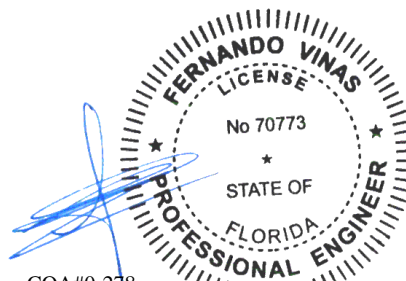
(a) Continuous lateral restraint equally spaced on member.

**Wind**

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

**Additional Notes**

The overall height of this truss excluding overhang is 9-6-13.

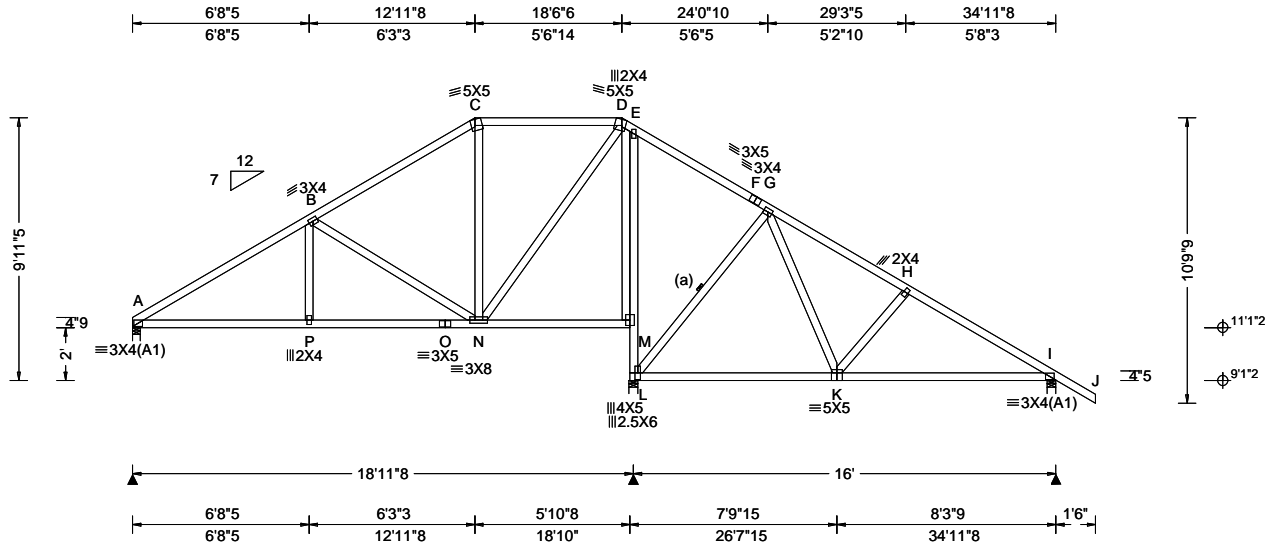


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<b>Loading Criteria (psf)</b> TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.50 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.024 P 999 240 VERT(CL): 0.050 P 999 180 HORZ(LL): 0.009 B - - HORZ(TL): 0.022 L - - Creep Factor: 2.0 Max TC CSI: 0.479 Max BC CSI: 0.607 Max Web CSI: 0.814  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A 791 /- /- /458 /60 /269 L 1471 /- /- /820 /- /- I 757 /- /- /483 /120 /- Wind reactions based on MWFRS A Brg Wid = 3.5 Min Req = 1.5 (Truss) L Brg Wid = 4.0 Min Req = 1.7 (Truss) I Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings A, L, & I are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. A - B 462 -1146 E - F 398 -122 B - C 440 -610 G - H 425 -664 C - D 438 -433 H - I 419 -876 D - E 430 -161  <b>Maximum Bot Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. A - P 911 -188 O - N 908 -189 P - O 908 -189 K - I 691 -234  <b>Maximum Web Forces Per Ply (lbs)</b> Webs Tens.Comp. Webs Tens. Comp. B - N 198 -560 M - L 91 -973 N - D 674 -76 L - G 201 -563 D - M 49 -726 G - K 495 -47
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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**

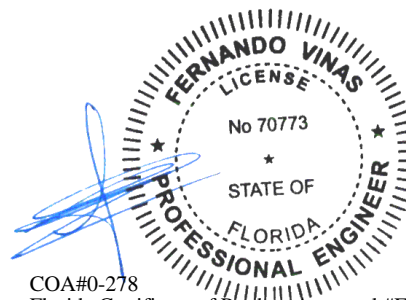
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

**Wind**

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

**Additional Notes**

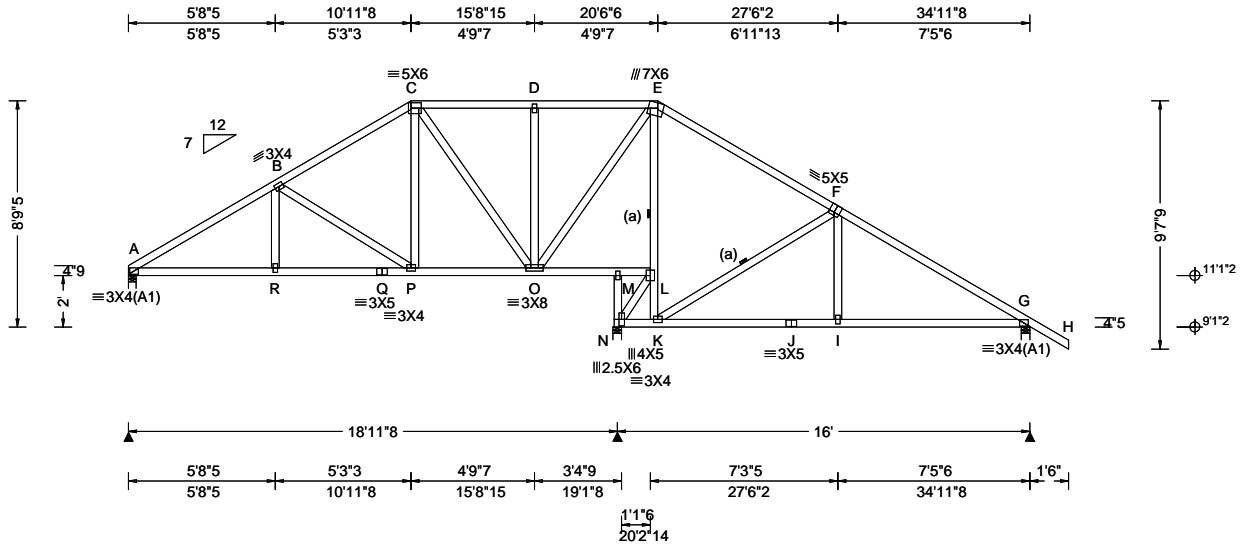
The overall height of this truss excluding overhang is 7-11-5.



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<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.50 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.045 P 999 240 VERT(CL): 0.092 P 999 180 HORZ(LL): 0.016 M - - HORZ(TL): 0.033 M - - Creep Factor: 2.0 Max TC CSI: 0.587 Max BC CSI: 0.577 Max Web CSI: 0.346  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A 1027 /- /- /596 /49 /238 N 921 /- /- /493 /- /- G 1062 /- /- /623 /97 /- Wind reactions based on MWFRS A Brg Wid = 3.5 Min Req = 1.5 (Truss) N Brg Wid = 4.0 Min Req = 1.5 (Truss) G Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings A, N, & G are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp.
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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.

**Purlins**

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

**Wind**

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

**Additional Notes**

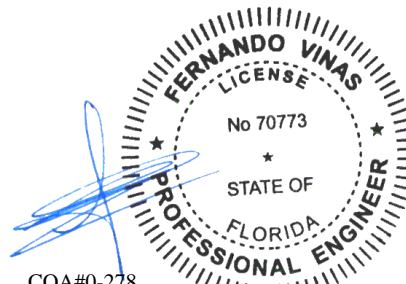
The overall height of this truss excluding overhang is 6-9-5.

**Maximum Bot Chord Forces Per Ply (lbs)**

Chords	Tens.Comp.	Chords	Tens. Comp.
A - R	1332 -306	N - K	629 -124
R - Q	1330 -307	M - L	600 -114
Q - P	1330 -307	K - J	1134 -293
P - O	970 -174	J - I	1134 -293
O - M	602 -114	I - G	1137 -292

**Maximum Web Forces Per Ply (lbs)**

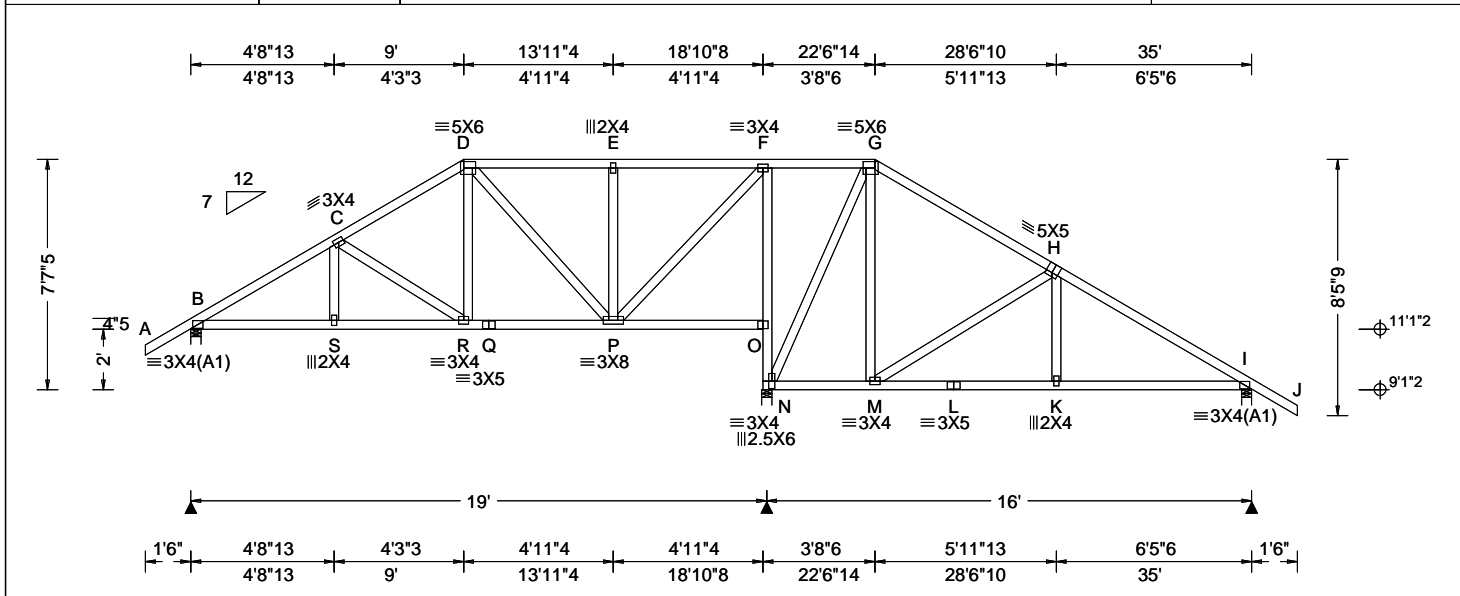
Webs	Tens.Comp.	Webs	Tens. Comp.
B - P	159 -436	L - E	134 -404
C - P	399 -44	L - K	466 -40
O - E	568 -174	K - F	209 -630
N - L	180 -911		



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Florida Certificate of Product Approval #FL1999  
07/17/2025

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<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.50 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.026 R 999 240 VERT(CL): 0.054 R 999 180 HORZ(LL): 0.009 P - - HORZ(TL): 0.019 P - - Creep Factor: 2.0 Max TC CSI: 0.478 Max BC CSI: 0.387 Max Web CSI: 0.714  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 886 /- /- /463 /61 /191 N 1492 /- /- /793 /14 /- I 752 /- /- /460 /94 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) N Brg Wid = 4.0 Min Req = 1.8 (Truss) I Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings B, N, & I are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - C 475 -1170 E - F 479 -532 C - D 478 -854 H - I 329 -870 D - E 479 -532
--	--	--	---	---

**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.

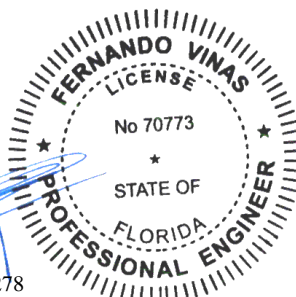
**Additional Notes**  
The overall height of this truss excluding overhang is 5'-7.5."

**Maximum Bot Chord Forces Per Ply (lbs)**

Chords	Tens.Comp.	Chords	Tens. Comp.
B - S	947 -221	M - L	674 -166
S - R	945 -222	L - K	674 -166
R - Q	680 -129	K - I	676 -164
Q - P	680 -129		

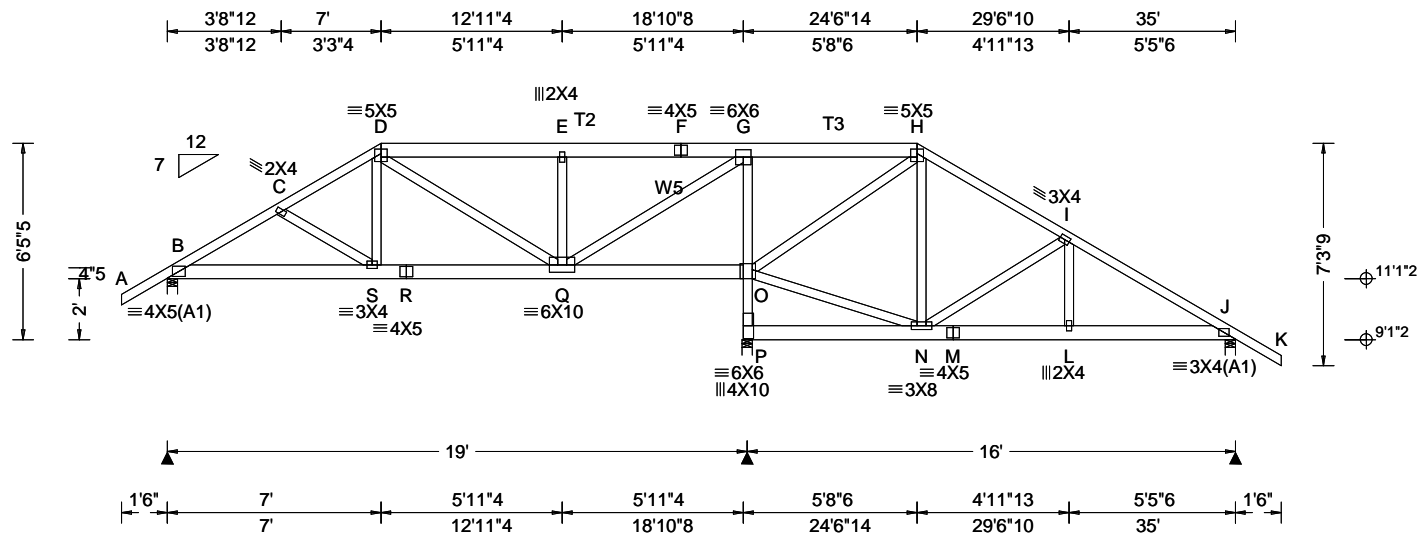
**Maximum Web Forces Per Ply (lbs)**

Webs	Tens.Comp.	Webs	Tens. Comp.
P - F	815 -248	N - G	61 -579
F - O	433 -900	G - M	431 -58
O - N	415 -948	M - H	200 -558

  
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<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.50 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.056 E 999 240 VERT(CL): 0.112 E 999 180 HORZ(LL): 0.014 C - - HORZ(TL): 0.029 C - - Creep Factor: 2.0 Max TC CSI: 0.457 Max BC CSI: 0.231 Max Web CSI: 0.847  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1575 - / - / - / /362 - / - P 3162 - / - / - / - /721 - / - J 595 - / - / - / - /103 - / - Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) P Brg Wid = 4.0 Min Req = 2.6 (Truss) J Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings B, P, & J are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - C 601 -2551 F - G 406 -1715 C - D 546 -2406 G - H 705 -150 D - E 407 -1717 I - J 80 -606 E - F 406 -1715
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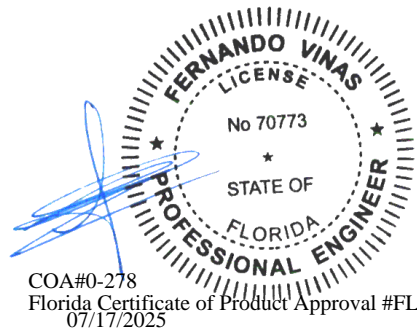
**Lumber**  
Top chord: 2x4 SP #2; T2,T3 2x6 SP #2;  
Bot chord: 2x6 SP 2400f-2.0E;  
Webs: 2x4 SP #3; W5 2x4 SP #2;

**Special Loads**  
----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 63 plf at -1.50 to 63 plf at 7.00  
TC: From 32 plf at 7.00 to 32 plf at 18.77  
TC: From 63 plf at 18.77 to 63 plf at 36.50  
BC: From 5 plf at -1.50 to 5 plf at 0.00  
BC: From 20 plf at 0.00 to 20 plf at 7.03  
BC: From 10 plf at 7.03 to 10 plf at 18.88  
BC: From 20 plf at 18.88 to 20 plf at 35.00  
BC: From 5 plf at 35.00 to 5 plf at 36.50  
TC: 273 lb Conc. Load at 7.03  
TC: 190 lb Conc. Load at 9.06,11.06,13.06,15.06  
17.06,18.77  
BC: 481 lb Conc. Load at 7.03  
BC: 130 lb Conc. Load at 9.06,11.06,13.06,15.06  
17.06,18.77

**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 4-5-5.



**Maximum Bot Chord Forces Per Ply (lbs)**

Chords	Tens.Comp.	Chords	Tens. Comp.
B - S	2152 -499	N - M	460 -47
S - R	2003 -463	M - L	460 -47
R - Q	2003 -463	L - J	462 -46
Q - O	134 -649		

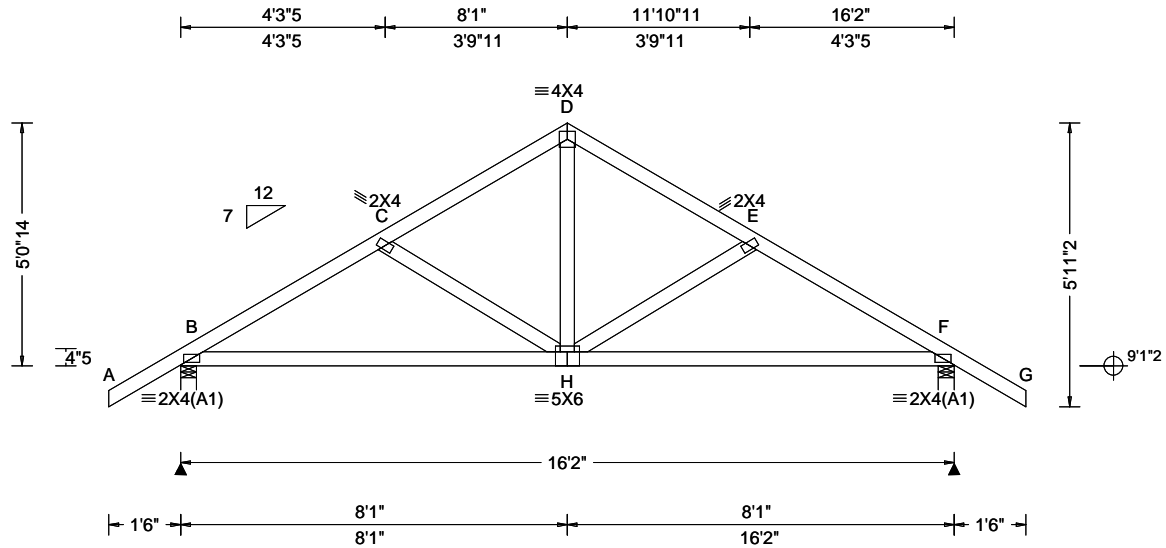
**Maximum Web Forces Per Ply (lbs)**

Webs	Tens.Comp.	Webs	Tens. Comp.
S - D	736 0	G - O	688 -2257
D - Q	70 -381	O - P	744 -3111
E - Q	413 -816	O - H	164 -934
Q - G	2777 -649	N - I	76 -428

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<b>Loading Criteria</b> (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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	<b>Snow Criteria</b> (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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/def L/# VERT(LL): 0.021 H 999 240 VERT(CL): 0.042 H 999 180 HORZ(LL): 0.009 F - - - HORZ(TL): 0.019 F - - - Creep Factor: 2.0 Max TC CSI: 0.180 Max BC CSI: 0.568 Max Web CSI: 0.176  VIEW Ver: 23.02.04.0123.14	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 774 /- /- /474 /136 /166 F 774 /- /- /474 /136 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) F Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings B & F are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens.Comp. B - C 228 -947 D - E 191 -718 C - D 190 -718 E - F 228 -947  <b>Maximum Bot Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens.Comp. B - H 766 -87 H - F 766 -103  <b>Maximum Web Forces Per Ply (lbs)</b> Webs Tens.Comp. D - H 461 -61
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**Lumber**

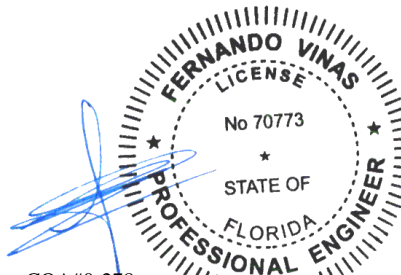
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

**Wind**

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

**Additional Notes**

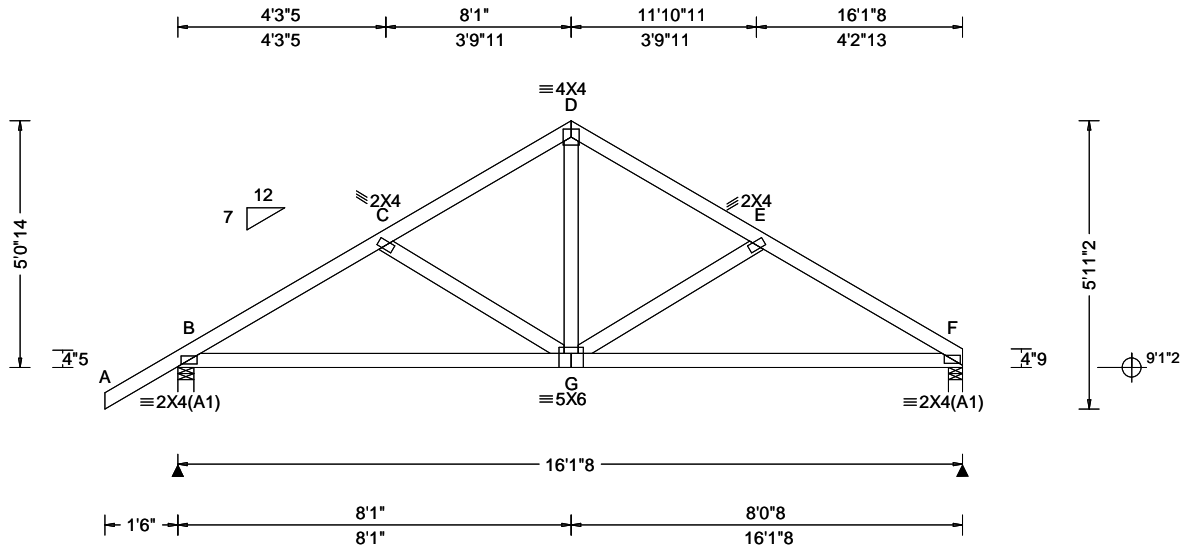
The overall height of this truss excluding overhang is 5-0-14.



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				<b>Maximum Bot Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - G 773 -148 G - F 787 -157 <b>Maximum Web Forces Per Ply (lbs)</b> Webs Tens.Comp. D - G 464 -81					

**Lumber**

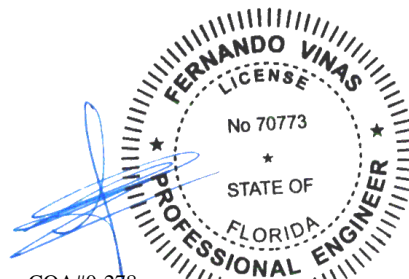
Top chord: 2x4 SP #2;  
 Bot chord: 2x4 SP #2;  
 Webs: 2x4 SP #3;

**Wind**

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

**Additional Notes**

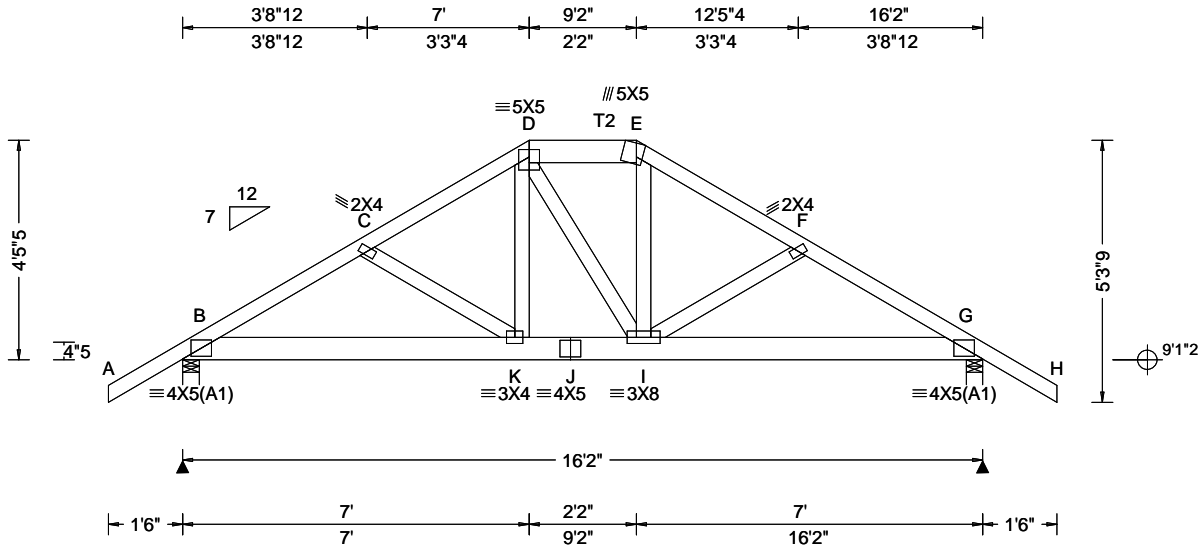
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Loc	Gravity			Non-Gravity																																											
	R+	/R-	/Rh	/Rw	/U	/RL																																									
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C - D	564 - 2497	F - G	625 - 2661																																												
D - E	472 - 2102																																														

**Lumber**

Top chord: 2x4 SP #2; T2 2x6 SP #2;  
 Bot chord: 2x6 SP 2400f-2.0E;  
 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 7.00  
 TC: From 32 plf at 7.00 to 32 plf at 9.17  
 TC: From 63 plf at 9.17 to 63 plf at 17.67  
 BC: From 5 plf at -1.50 to 5 plf at 0.00  
 BC: From 20 plf at 0.00 to 20 plf at 7.03  
 BC: From 10 plf at 7.03 to 10 plf at 9.14  
 BC: From 20 plf at 9.14 to 20 plf at 16.17  
 BC: From 5 plf at 16.17 to 5 plf at 17.67  
 TC: 273 lb Conc. Load at 7.03, 9.14  
 TC: 190 lb Conc. Load at 8.08  
 BC: 481 lb Conc. Load at 7.03, 9.14  
 BC: 130 lb Conc. Load at 8.08

**Purlins**

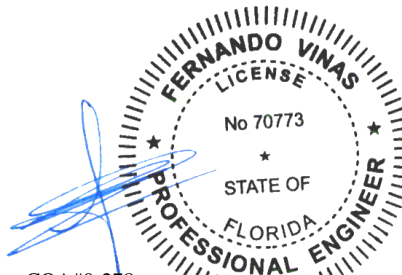
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

**Wind**

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

**Additional Notes**

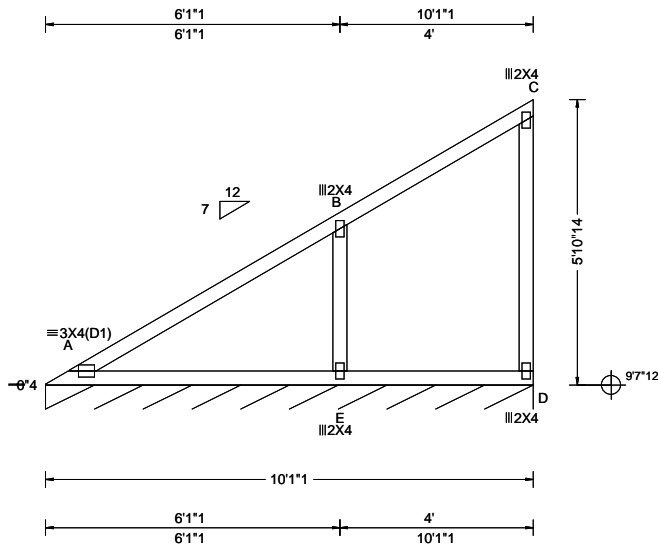
The overall height of this truss excluding overhang is 4-5-5.



COA#0-278  
 Florida Certificate of Product Approval #FL1999  
 07/17/2025

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.023 A 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.048 A 999 180	D* 83 /- /- /55 /3 /14
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.007 A - -	Wind reactions based on MWFRS
Des Ld: 40.00	EXP: C Kzt: NA	Building Code:	HORZ(TL): 0.015 A - -	D Brg Wid = 121 Min Req = -
NCBCLL: 10.00	Mean Height: 15.00 ft	FBC 8th Ed. 2023 Res.	Creep Factor: 2.0	Bearing A is a rigid surface.
Soffit: 2.00	TCDL: 5.0 psf	TPI Std: 2014	Max TC CSI: 0.448	Members not listed have forces less than 375#
Load Duration: 1.25	BCDL: 5.0 psf	Rep Fac: Yes	Max BC CSI: 0.316	
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	FT/RT:20(0)/10(0)	Max Web CSI: 0.099	
	C&C Dist a: 3.00 ft	Plate Type(s):	VIEW Ver: 24.02.00D.0114.10	
	Loc. from endwall: not in 9.00 ft	WAVE		
	GCp: 0.18			
	Wind Duration: 1.60			

**Lumber**

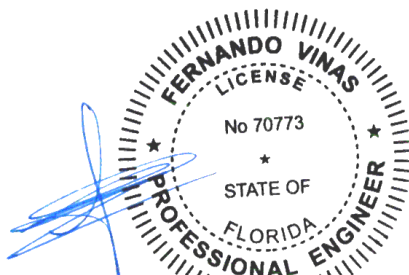
Top chord: 2x4 SP #2;  
 Bot chord: 2x4 SP #2;  
 Webs: 2x4 SP #3;

**Wind**

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

**Additional Notes**

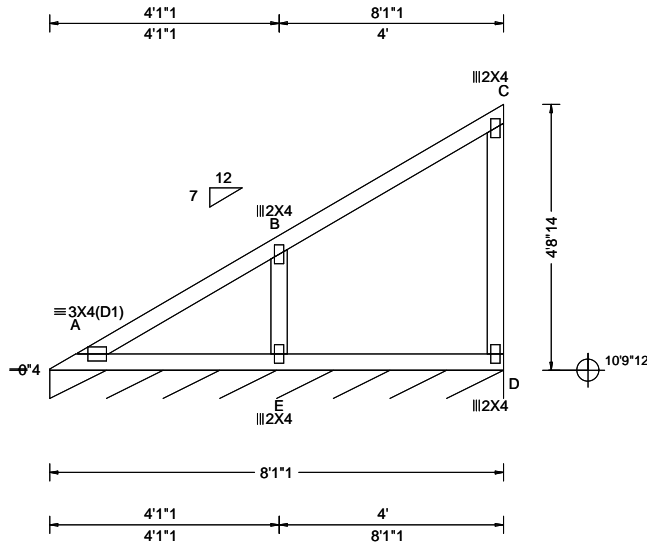
See DWGS VALTN220723 and VAL180220723 for valley details.  
 The overall height of this truss excluding overhang is 5-10-14.



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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.005 A 999 240 VERT(CL): 0.011 A 999 180 HORZ(LL): 0.002 A - - HORZ(TL): 0.003 A - - Creep Factor: 2.0 Max TC CSI: 0.281 Max BC CSI: 0.184 Max Web CSI: 0.092  VIEW Ver: 24.02.00D.0114.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D* 83 /- /- /54 /3 /14 Wind reactions based on MWFRS D Brg Wid = 97.1 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

**Lumber**

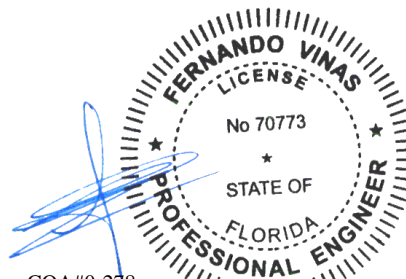
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

**Wind**

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

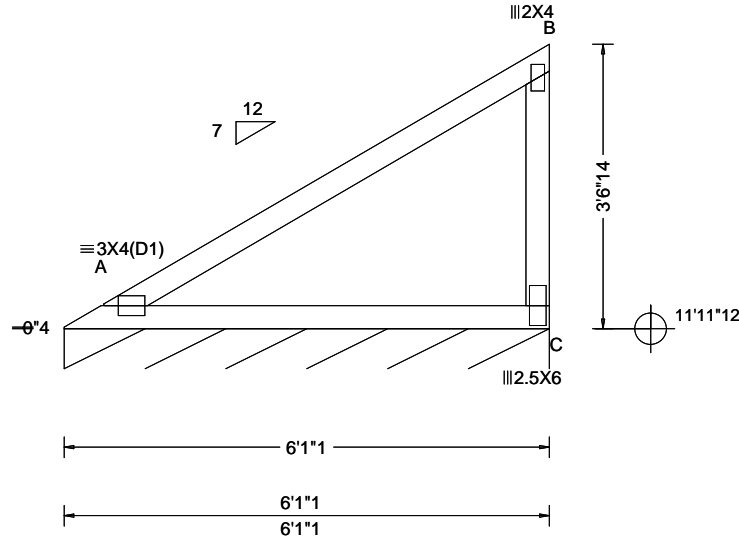
**Additional Notes**

See DWGS VALTN220723 and VAL180220723 for valley details.  
The overall height of this truss excluding overhang is 4-8-14.



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<b>Loading Criteria</b> (psf)	<b>Wind Criteria</b>	<b>Snow Criteria</b> (Pg,Pf in PSF)	<b>Defl/CSI Criteria</b>	<b>▲ Maximum Reactions (lbs), or *=PLF</b>
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.011 A - - HORZ(TL): 0.022 A - - Creep Factor: 2.0 Max TC CSI: 0.484 Max BC CSI: 0.397 Max Web CSI: 0.195  VIEW Ver: 24.02.00D.0114.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 83 /- /- /53 /3 /14 Wind reactions based on MWFRS C Brg Wid = 73.1 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

**Lumber**

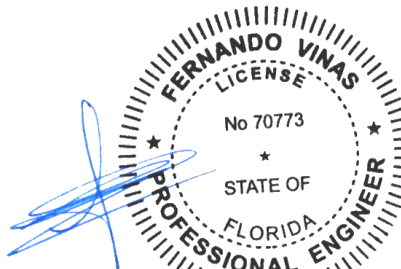
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

**Wind**

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

**Additional Notes**

See DWGS VALTN220723 and VAL180220723 for valley details.  
The overall height of this truss excluding overhang is 3-6-14.

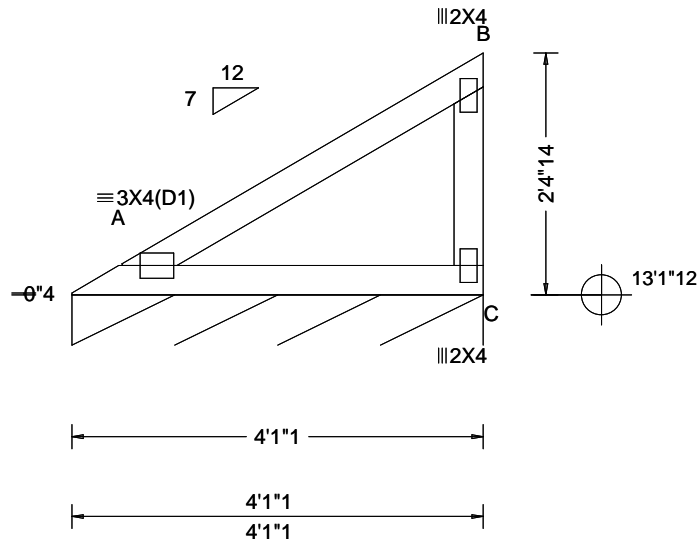


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SEQN: 689852 FROM: RFG	VAL Ply: 1 Qty: 1	Job Number: 25-2306B MOSS Truss Label: MV4	Cust: R215 JRef: 1YbQ2150002 T62 DrwNo: 197.25.1058.35413 JKS / FV 07/16/2025
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<b>Loading Criteria (psf)</b> TCLL: 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.003 A - - HORZ(TL): 0.007 A - - Creep Factor: 2.0 Max TC CSI: 0.194 Max BC CSI: 0.191 Max Web CSI: 0.085  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs), or *=PLF</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 83 /- /- /52 /2 /13 Wind reactions based on MWFRS C Brg Wid = 49.1 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#
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**Lumber**

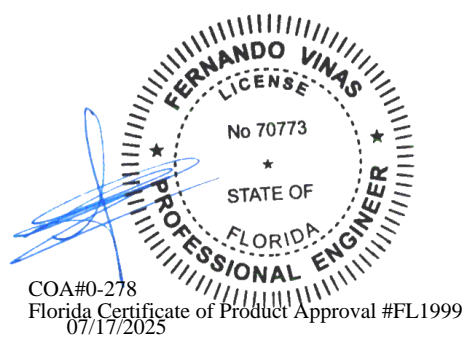
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

**Wind**

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

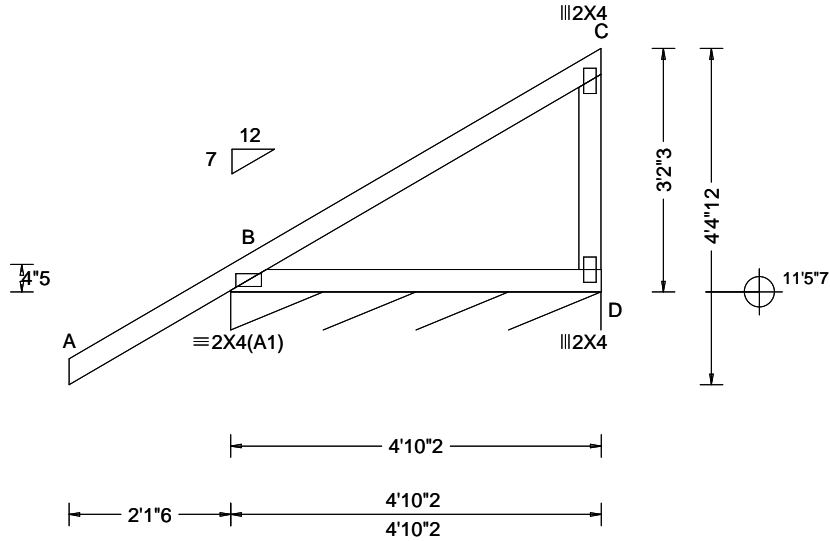
**Additional Notes**

See DWGS VALTN220723 and VAL180220723 for valley details.  
The overall height of this truss excluding overhang is 2-4-14.



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<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.002 B 999 240 VERT(CL): 0.007 B 999 180 HORZ(LL): 0.001 B - - HORZ(TL): 0.005 B - - Creep Factor: 2.0 Max TC CSI: 0.490 Max BC CSI: 0.191 Max Web CSI: 0.126  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs), or *=PLF</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D* 113 /- /- /58 /21 /28 Wind reactions based on MWFRS D Brg Wid = 58.1 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#
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**Lumber**

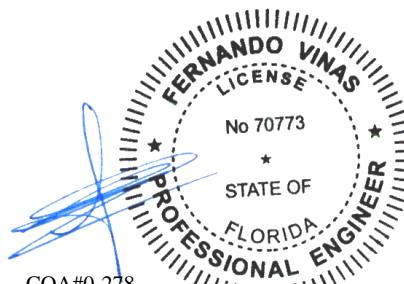
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

**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**

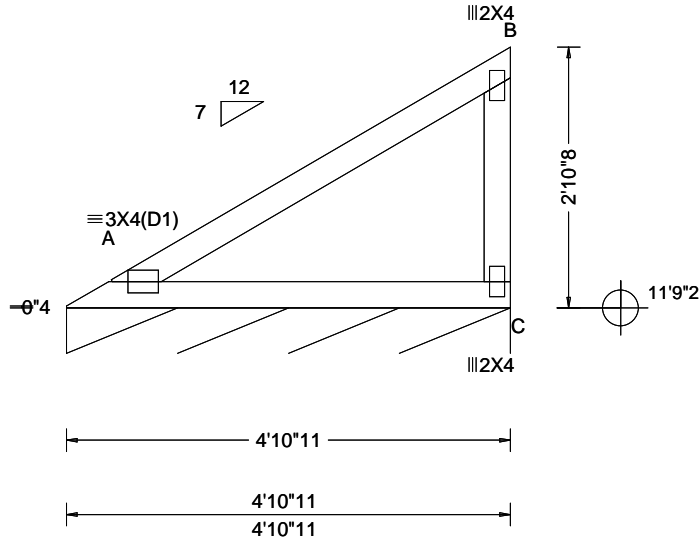
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The overall height of this truss excluding overhang is 3-2-3.



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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
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 Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.006 A - - HORZ(TL): 0.011 A - - Creep Factor: 2.0 Max TC CSI: 0.295 Max BC CSI: 0.265 Max Web CSI: 0.125 VIEW Ver: 24.02.00D.0114.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 83 /- /- /52 /11 /18 Wind reactions based on MWFRS C Brg Wid = 58.7 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

**Lumber**

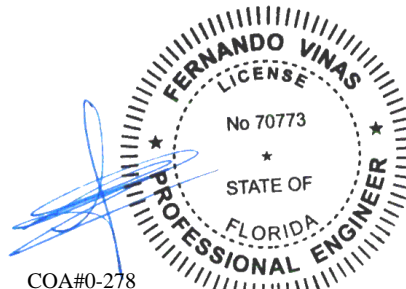
Top chord: 2x4 SP #2;  
 Bot chord: 2x4 SP #2;  
 Webs: 2x4 SP #3;

**Wind**

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

**Additional Notes**

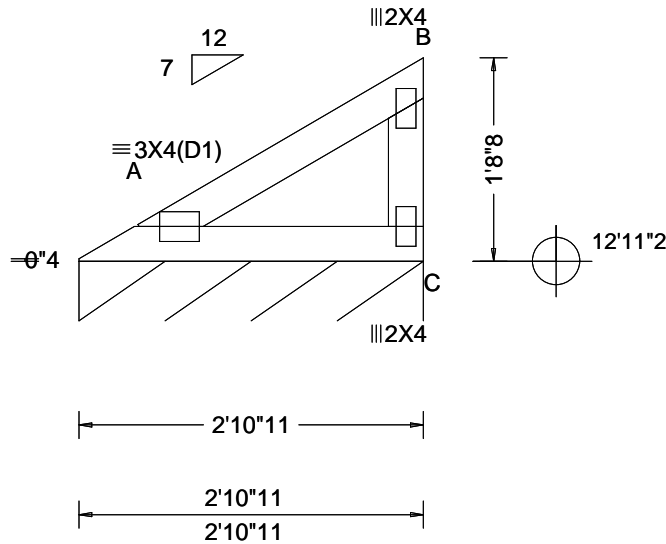
See DWGS VALTN220723 and VAL180220723 for valley details.  
 The overall height of this truss excluding overhang is 2-10-8.



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<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 A - - HORZ(TL): 0.002 A - - Creep Factor: 2.0 Max TC CSI: 0.092 Max BC CSI: 0.079 Max Web CSI: 0.043  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs), or *=PLF</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 83 /- /- /50 /9 /16 Wind reactions based on MWFRS C Brg Wid = 34.7 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#
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**Lumber**

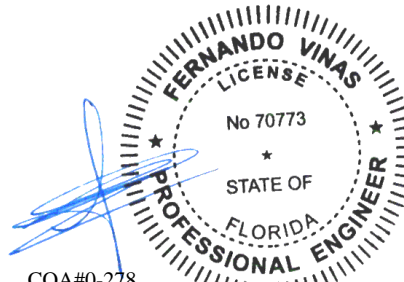
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

**Wind**

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

**Additional Notes**

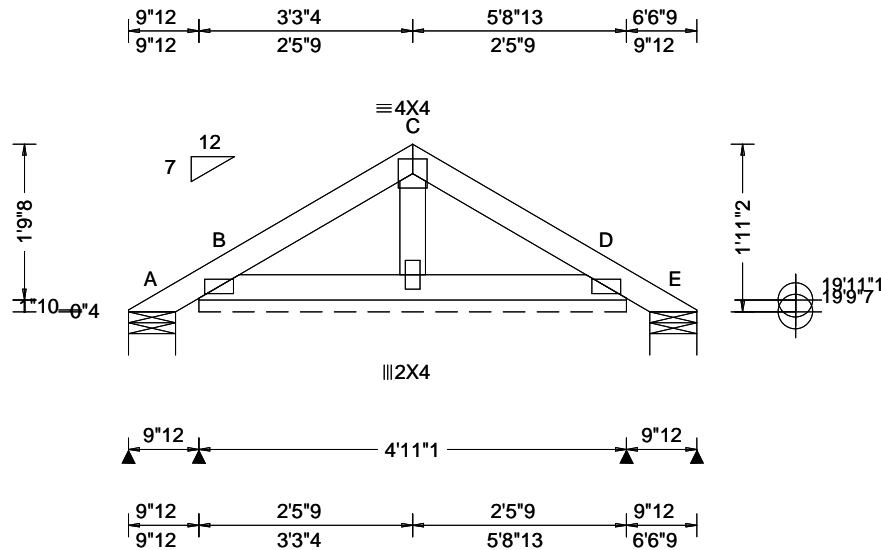
See DWGS VALTN220723 and VAL180220723 for valley details.  
The overall height of this truss excluding overhang is 1-8-8.



COA#0-278  
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07/17/2025

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<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.15 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	<b>Snow Criteria (Pg,Pf in PSF)</b> Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	<b>Defl/CSI Criteria</b> 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: 0.057 Max BC CSI: 0.046 Max Web CSI: 0.014  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs), or *=PLF</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 2 /-1 /- /31 /27 /48 B* 102 /- /- /59 /3 /- E 2 /-1 /- /7 /3 /- Wind reactions based on MWFRS A Brg Wid = 6.5 Min Req = 1.5 (Truss) B Brg Wid = 59.1 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#
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**Lumber**

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

**Plating Notes**

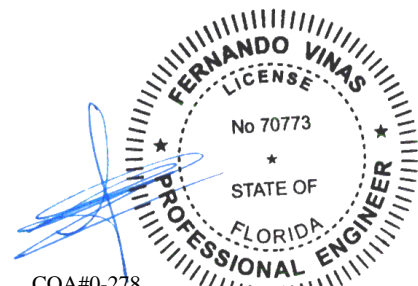
All plates are 2X4(A1) except as noted.

**Wind**

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

**Additional Notes**

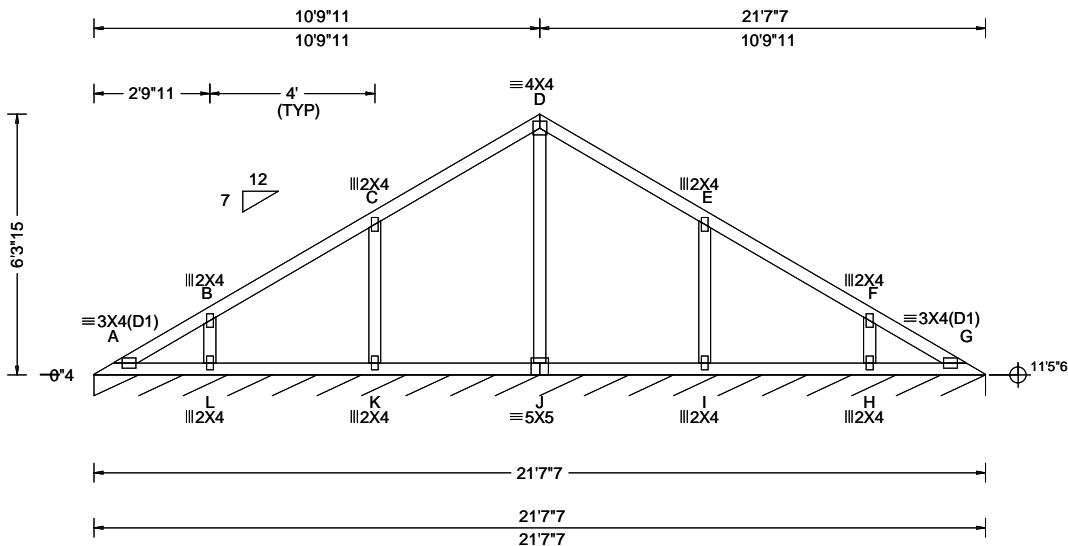
Refer to DWG PB160220723 for piggyback details.  
The overall height of this truss excluding overhang is 1-11-2.



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<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.001 A 999 240 VERT(CL): 0.003 A 999 180 HORZ(LL): -0.000 B - - HORZ(TL): 0.002 C - - Creep Factor: 2.0 Max TC CSI: 0.213 Max BC CSI: 0.108 Max Web CSI: 0.138  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs), or *=PLF</b> Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL G* 83 /- /- /43 /12 /7 Wind reactions based on MWFRS G Brg Wid = 259 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#
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**Lumber**

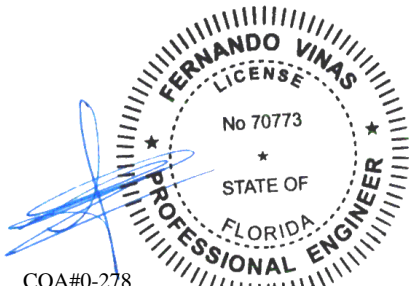
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

**Wind**

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

**Additional Notes**

See DWGS VALTN220723 and VAL180220723 for valley details.  
The overall height of this truss excluding overhang is 6-3-15.

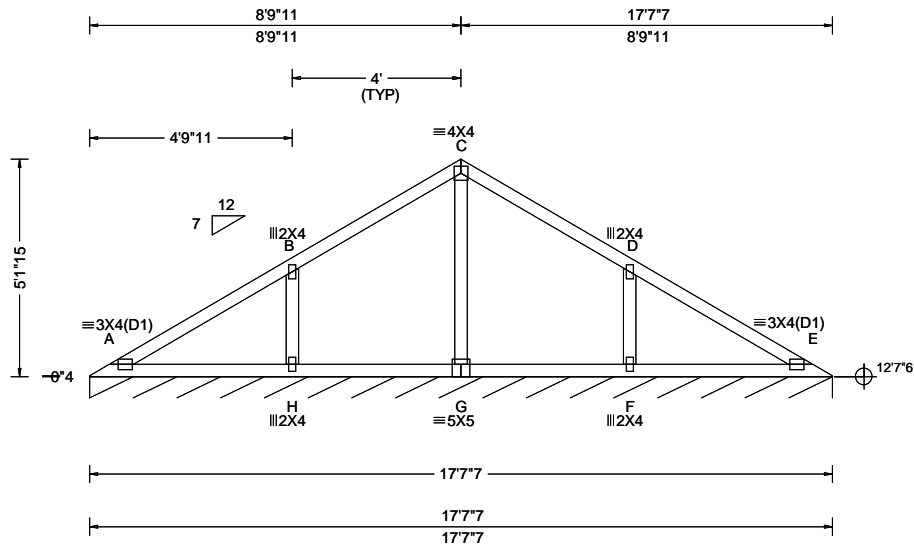


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SEQN: 689876 FROM: RFG	VAL Ply: 1 Qty: 1	Job Number: 25-2306B MOSS Truss Label: V2	Cust: R215 JRef: 1YbQ2150002 T68 DrwNo: 197.25.1058.46960 JKS / FV 07/16/2025
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<b>Loading Criteria (psf)</b> TCLL: 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.35 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	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.009 A 999 240 VERT(CL): 0.020 A 999 180 HORZ(LL): 0.004 A - - HORZ(TL): 0.007 A - - Creep Factor: 2.0 Max TC CSI: 0.341 Max BC CSI: 0.189 Max Web CSI: 0.140  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs), or *=PLF</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 83 /- /- /43 /12 /7 Wind reactions based on MWFRS E Brg Wid = 211 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#
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**Lumber**

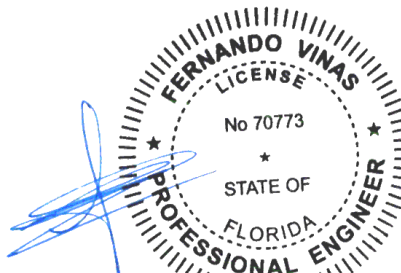
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

**Wind**

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

**Additional Notes**

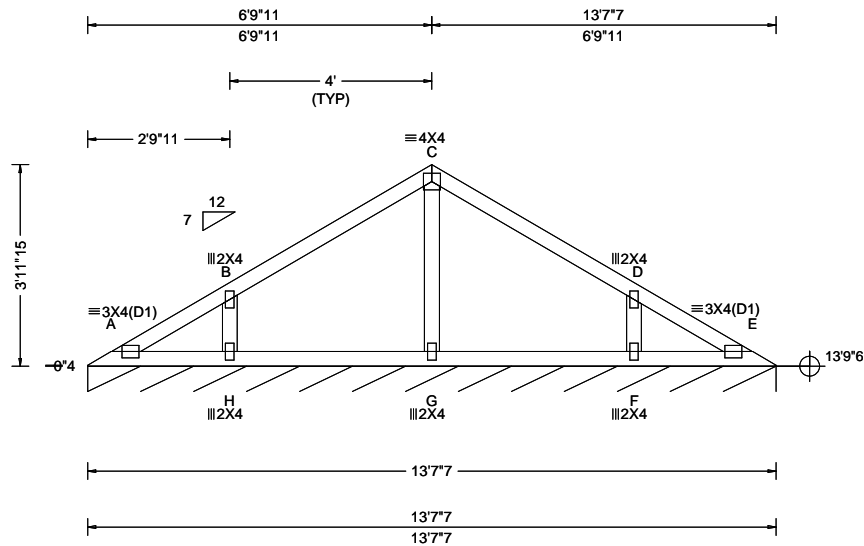
See DWGS VALTN220723 and VAL180220723 for valley details.  
The overall height of this truss excluding overhang is 5-1-15.



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<b>Loading Criteria (psf)</b>	<b>Wind Criteria</b>	<b>Snow Criteria (Pg,Pf in PSF)</b>	<b>Defl/CSI Criteria</b>	<b>▲ Maximum Reactions (lbs), or *=PLF</b>
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.93 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 A 999 240 VERT(CL): 0.002 A 999 180 HORZ(LL): -0.000 A - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.204 Max BC CSI: 0.112 Max Web CSI: 0.062  VIEW Ver: 24.02.00D.0114.10	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL E* 83 /- /- /42 /12 /7 Wind reactions based on MWFRS E Brg Wid = 163 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

**Lumber**

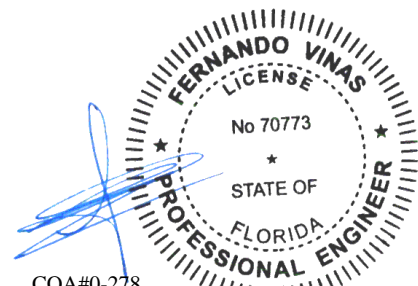
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

**Wind**

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

**Additional Notes**

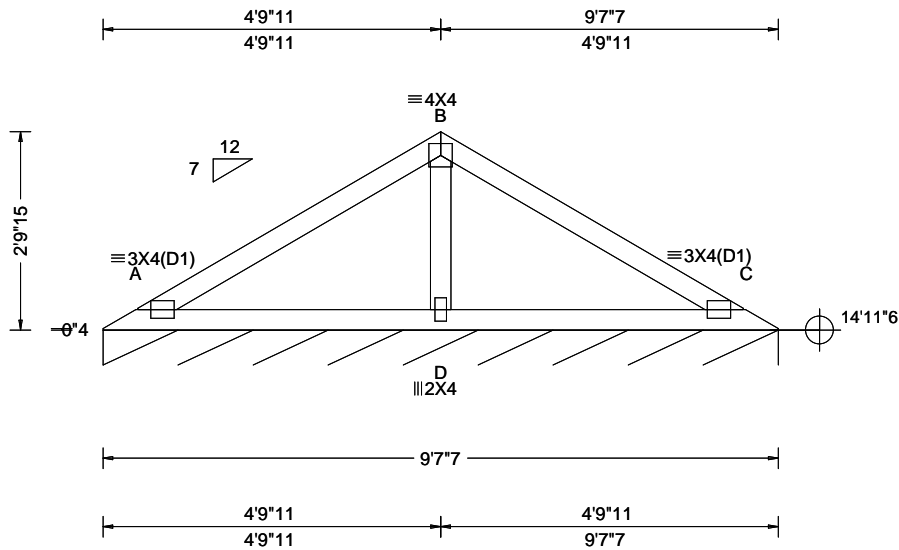
See DWGS VALTN220723 and VAL180220723 for valley details.  
The overall height of this truss excluding overhang is 3-11-15.



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<b>Loading Criteria (psf)</b>	<b>Wind Criteria</b>	<b>Snow Criteria (Pg,Pf in PSF)</b>	<b>Defl/CSI Criteria</b>	<b>▲ Maximum Reactions (lbs), or *=PLF</b>
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.51 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.012 A 999 240 VERT(CL): 0.024 A 999 180 HORZ(LL): -0.005 C - - HORZ(TL): 0.011 C - - Creep Factor: 2.0 Max TC CSI: 0.306 Max BC CSI: 0.262 Max Web CSI: 0.105  VIEW Ver: 24.02.00D.0114.10	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL C* 83 /- /- /42 /11 /7 Wind reactions based on MWFRS C Brg Wid = 115 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375# <b>Maximum Web Forces Per Ply (lbs)</b> Webs Tens.Comp. B - D 323 -501

**Lumber**

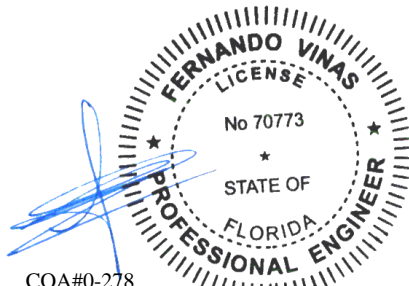
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

**Wind**

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

**Additional Notes**

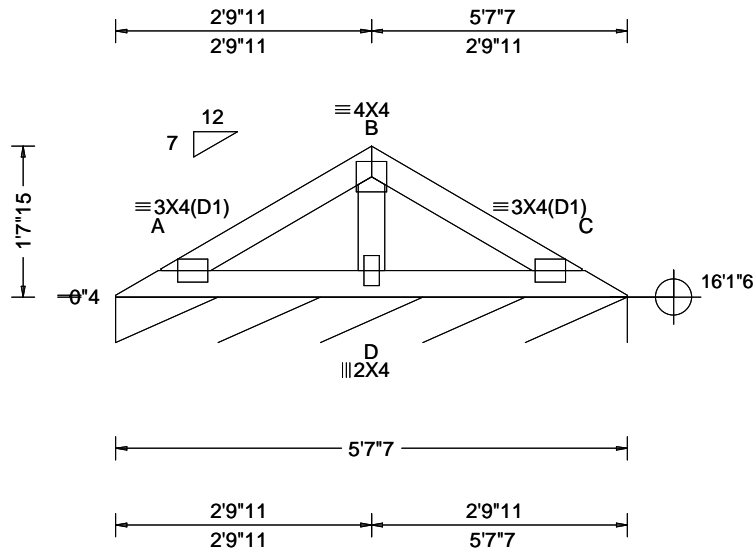
See DWGS VALTN220723 and VAL180220723 for valley details.  
The overall height of this truss excluding overhang is 2-9-15.



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<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.10 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	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.002 A 999 240 VERT(CL): 0.004 A 999 180 HORZ(LL): -0.001 C - - HORZ(TL): 0.002 C - - Creep Factor: 2.0 Max TC CSI: 0.082 Max BC CSI: 0.075 Max Web CSI: 0.055  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs), or *=PLF</b> Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL C* 83 /- /- /40 /11 /6 Wind reactions based on MWFRS C Brg Wid = 67.4 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#
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**Lumber**

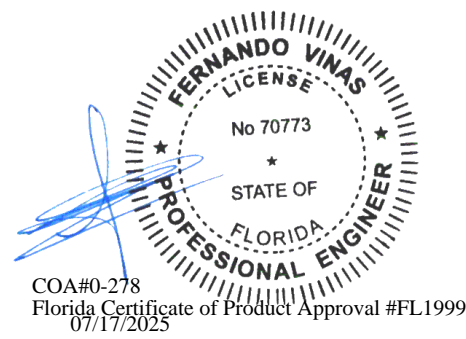
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

**Wind**

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

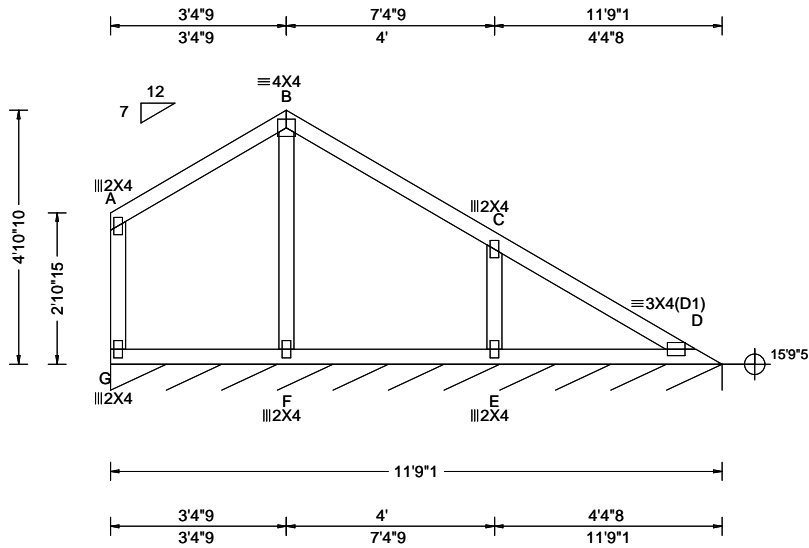
**Additional Notes**

See DWGS VALTN220723 and VAL180220723 for valley details.  
The overall height of this truss excluding overhang is 1-7-15.



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<b>Loading Criteria (psf)</b>	<b>Wind Criteria</b>	<b>Snow Criteria (Pg,Pf in PSF)</b>	<b>Defl/CSI Criteria</b>	<b>▲ Maximum Reactions (lbs), or *=PLF</b>
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 18.37 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	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): 0.008 D 999 240 VERT(CL): 0.016 D 999 180 HORZ(LL): -0.003 D - - HORZ(TL): 0.007 D - - Creep Factor: 2.0 Max TC CSI: 0.300 Max BC CSI: 0.168 Max Web CSI: 0.083  VIEW Ver: 24.02.00D.0114.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D* 83 /- /- /48 /3 /10 Wind reactions based on MWFRS D Brg Wid = 141 Min Req = - Bearing G is a rigid surface. Members not listed have forces less than 375#

**Lumber**

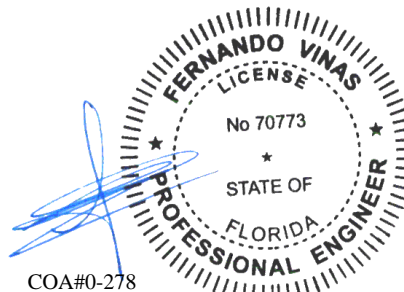
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

**Wind**

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

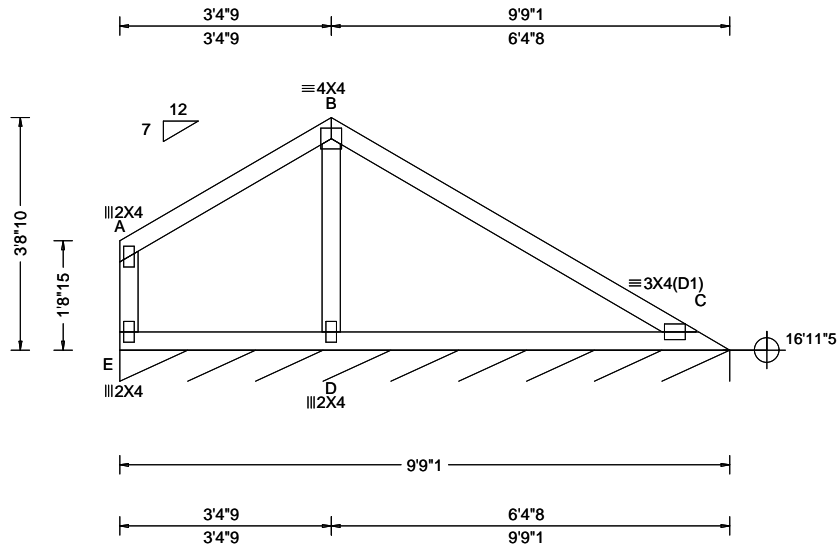
**Additional Notes**

See DWGS VALTN220723 and VAL180220723 for valley details.  
The overall height of this truss excluding overhang is 4-10-10.



COA#0-278  
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07/17/2025

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<b>Loading Criteria (psf)</b>	<b>Wind Criteria</b>	<b>Snow Criteria (Pg,Pf in PSF)</b>	<b>Defl/CSI Criteria</b>	<b>▲ Maximum Reactions (lbs), or *=PLF</b>
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 18.96 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.038 C 999 240 VERT(CL): 0.079 C 999 180 HORZ(LL): -0.017 C - - HORZ(TL): 0.034 C - - Creep Factor: 2.0 Max TC CSI: 0.542 Max BC CSI: 0.386 Max Web CSI: 0.074  VIEW Ver: 24.02.00D.0114.10	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL C* 83 /- /- /46 /3 /9 Wind reactions based on MWFRS C Brg Wid = 117 Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375#

**Lumber**

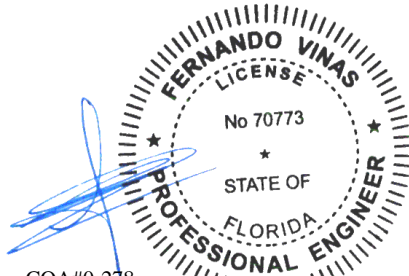
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

**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**

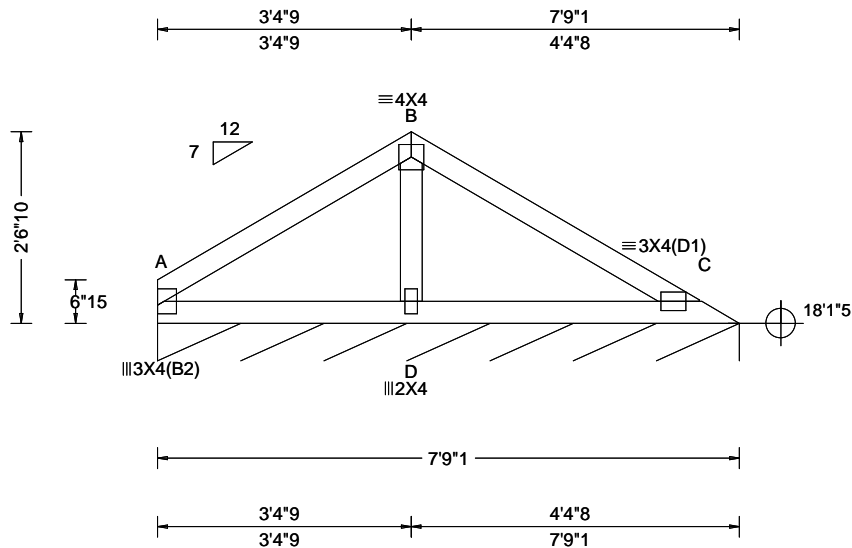
See DWGS VALTN220723 and VAL180220723 for valley details.  
The overall height of this truss excluding overhang is 3-8-10.



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<b>Loading Criteria (psf)</b> 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 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 19.54 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	<b>Snow Criteria (Pg,Pf in PSF)</b> 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	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.018 C 999 240 VERT(CL): 0.023 C 999 180 HORZ(LL): -0.008 C - - HORZ(TL): 0.010 C - - Creep Factor: 2.0 Max TC CSI: 0.218 Max BC CSI: 0.188 Max Web CSI: 0.047  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs), or *=PLF</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 83 /- /- /43 /3 /8 Wind reactions based on MWFRS C Brg Wid = 93.1 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#
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**Lumber**

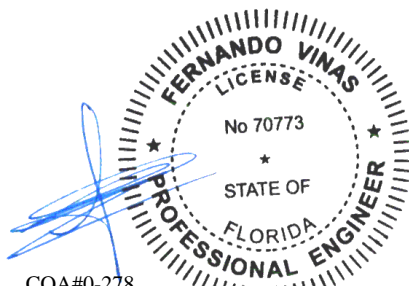
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

**Wind**

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

**Additional Notes**

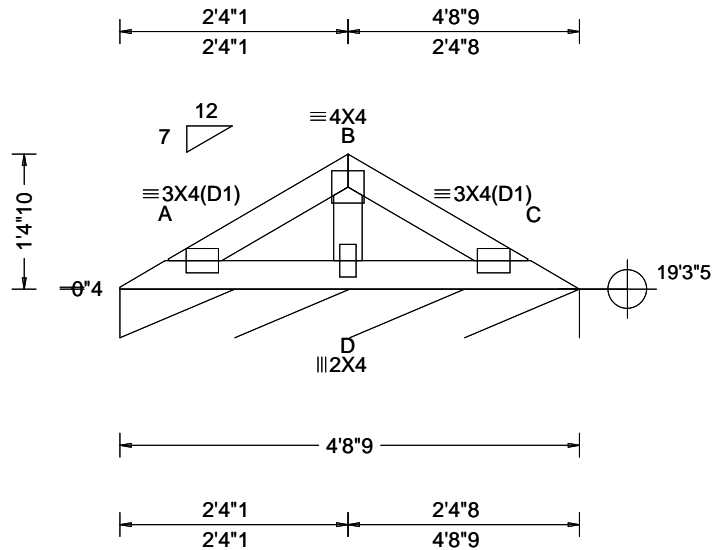
See DWGS VALTN220723 and VAL180220723 for valley details.  
The overall height of this truss excluding overhang is 2-6-10.



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<b>Loading Criteria (psf)</b>	<b>Wind Criteria</b>	<b>Snow Criteria (Pg,Pf in PSF)</b>	<b>Defl/CSI Criteria</b>	<b>▲ Maximum Reactions (lbs), or *=PLF</b>
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 20.12 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 C 999 240 VERT(CL): 0.003 C 999 180 HORZ(LL): -0.001 C - - HORZ(TL): 0.001 C - - Creep Factor: 2.0 Max TC CSI: 0.055 Max BC CSI: 0.045 Max Web CSI: 0.042  VIEW Ver: 24.02.00D.0114.10	<b>Gravity</b> Loc R+ / R- / Rh / Rw / U / RL C* 82 /- /- /39 /0 /6 <b>Non-Gravity</b> Wind reactions based on MWFRS C Brg Wid = 56.6 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

**Lumber**

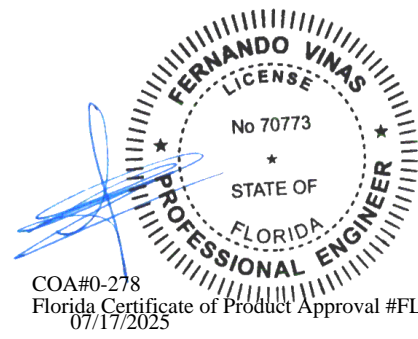
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

**Wind**

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

**Additional Notes**

See DWGS VALTN220723 and VAL180220723 for valley details.  
The overall height of this truss excluding overhang is 1-4-10.



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

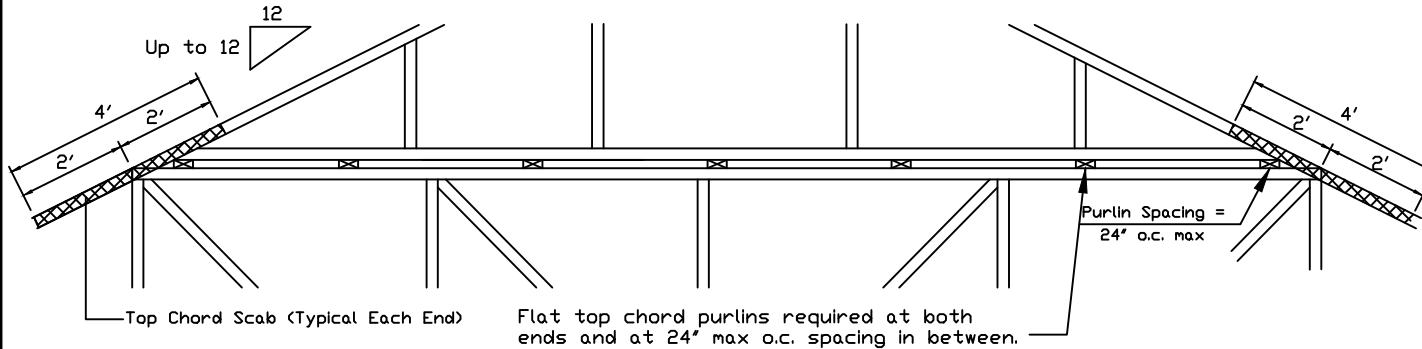
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-22, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0.  
 Or 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-22, Enclosed Bldg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

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

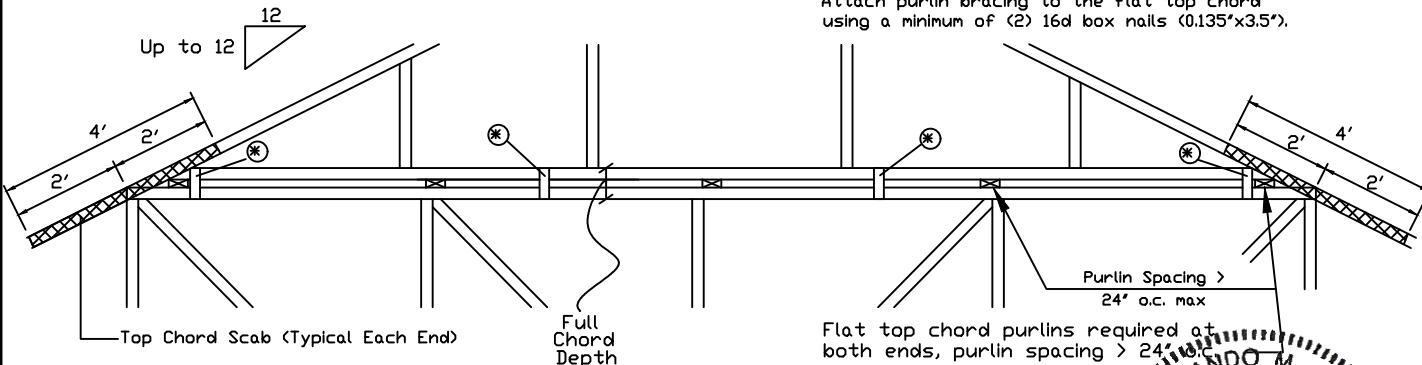


Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

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").

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

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

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

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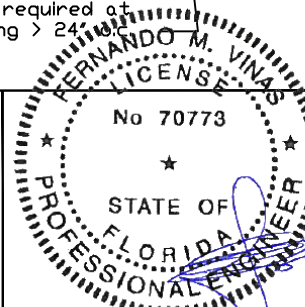
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For more information see this Job's general notes page and these web sites:  
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155 Harlem Ave  
 North Building, 4th Floor  
 Glenview, IL 60025



07/17/2025

SPACING 24.0"

REF PIGGYBACK  
 DATE 07/03/2023  
 DRWG PB160220723

Florida Certificate of Product Approval #FL1999

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

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

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

Bottom chord may be square or pitched cut as shown.

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

All plates shown are Alpine Wave Plates.

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

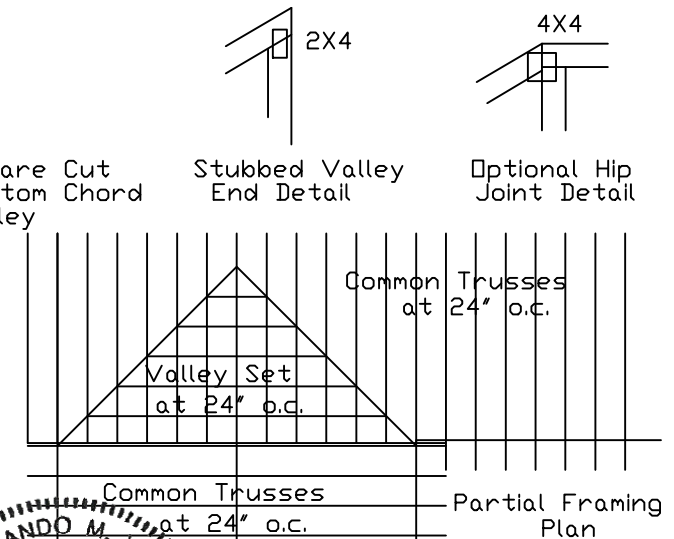
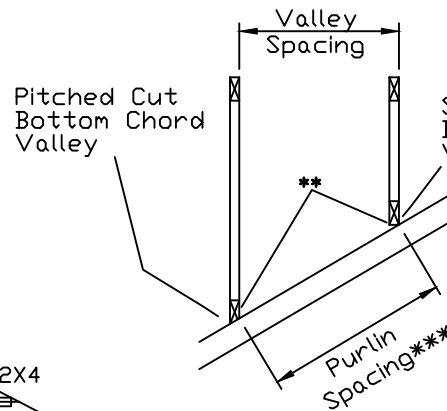
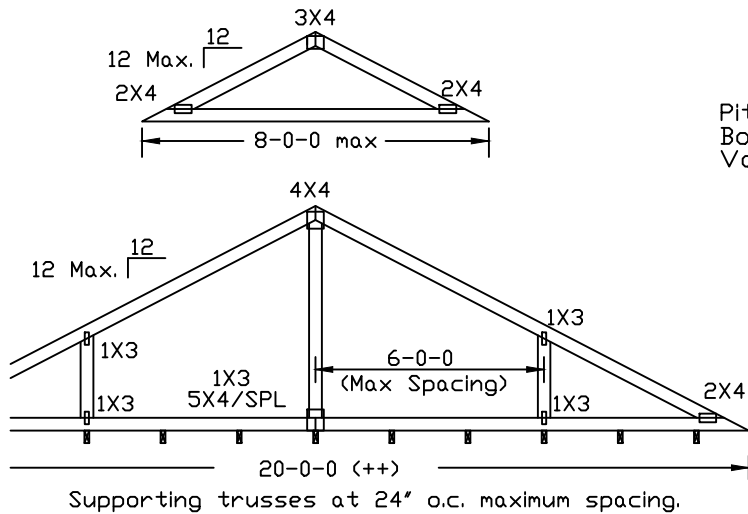
Top chord of truss beneath valley set must be braced with:  
 properly attached, rated sheathing applied prior to valley truss installation.

Or  
 Purlins at 24" o.c. or as otherwise specified on engineer's sealed design

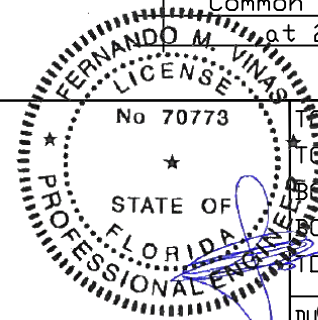
Or  
 By valley trusses used in lieu of purlin spacing as specified on Engineer's sealed design.

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

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



**WARNING: READ AND FOLLOW ALL NOTES ON THIS DRAWING**  
**IMPORTANT: FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.**  
 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.  
 Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.  
 A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.  
 For more information see this Job's general notes page and these web sites:  
 ALPINE: [www.alpineitw.com](http://www.alpineitw.com); TPI: [www.tpinet.org](http://www.tpinet.org); SBCA: [www.sbcacomponents.com](http://www.sbcacomponents.com); ICC: [www.lccsafe.org](http://www.lccsafe.org)



T	LL	30	30	40PSF
TC	DL	20	15	7PSF
WB	DL	10	10	10 PSF
BC	LL	0	0	0PSF
TDT. LD.		60	55	57PSF
DUR/FAC		20/25	1.33	1.15 1.15
SPACING		24.0"		

REF	VALLEY DETAIL
DATE	07/03/2023
DRWG	VAL180220723

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

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

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

\*\* Attach each valley to every supporting truss with:  
 (2) 16d box (0.135" x 3.5") nails toe-nailed for  
 ASCE 7-22, 30' Mean Height, Enclosed Building, Exp. C,  
 Wind TC DL=5 psf, Kzt = 1.00, Max. Wind Speed based on  
 supporting truss material at connection location:  
 140 mph for SP (G = 0.55, min.),  
 125 mph for DF-L (G = 0.50, min.), or  
 105 mph for HF & SPF (G = 0.42, min.).

Maximum top chord pitch is 10/12 for supporting trusses  
 below valley trusses.

Bottom chord of valley trusses may be square or  
 pitched cut as shown.

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

All plates shown are Alpine Wave Plates.

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

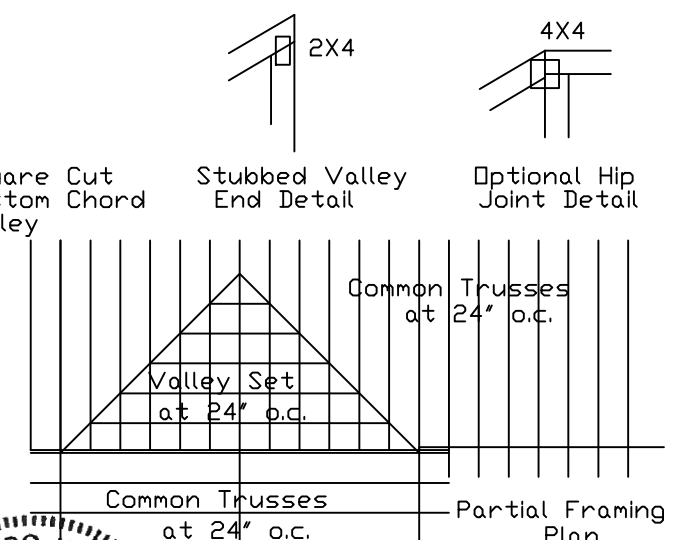
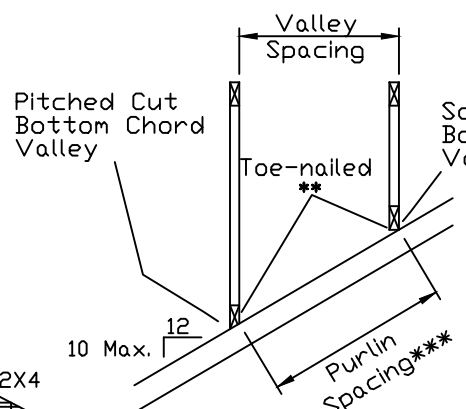
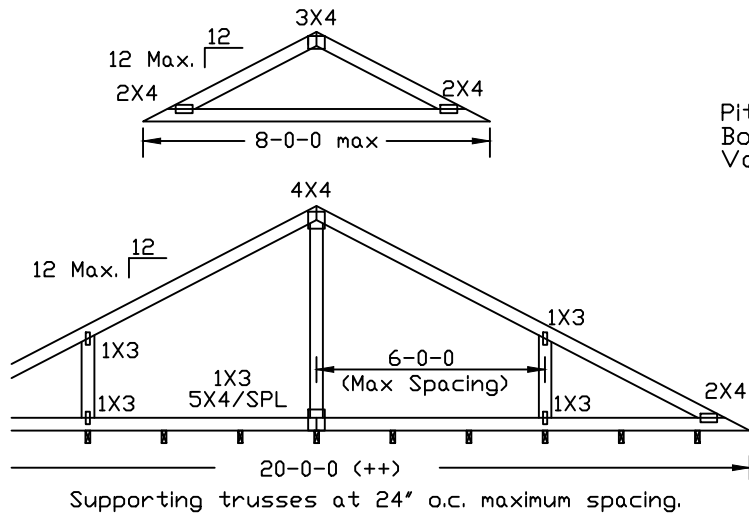
Top chord of truss beneath valley set must be braced with:  
 properly attached, rated sheathing applied prior to valley truss  
 installation.

Or  
 Purlins at 24" o.c. or as otherwise specified on engineer's sealed design

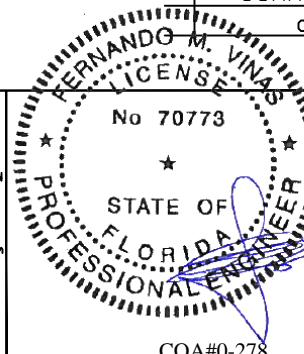
Or  
 By valley trusses used in lieu of purlin spacing as specified on  
 Engineer's sealed design.

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

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



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



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

REF	VALLEY DETAIL
DATE	07/03/2023
DRWG	VALTN220723