

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

COA #0 278  
 Florida Certificate of Product Approval #FL1999  
 01/19/2026

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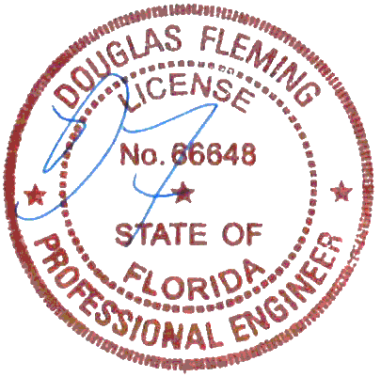
Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 25-3040
Job Description: ANDERSON PROJECT	
Address: SW MEADOWLANDS DR, Lake City, FL 32024	

Job Engineering Criteria:	
Design Code: FBC 8th Ed. 2023 Res.	IntelliVIEW Version: 24.02.00D JRef #: 1YGX2150009
Wind Standard: ASCE 7-22      Wind Speed (mph): 140	Design Loading (psf): 45
Building Type: Enclosed	

This package contains general notes pages, 54 truss drawing(s) and 3 detail(s).

Item	Drawing Number	Truss
1	019.26.1550.16253	A1
3	019.26.1550.24770	A1B
5	019.26.1551.31073	A1E
7	019.26.1551.38413	A3
9	019.26.1551.43203	A5
11	019.26.1551.48233	B2
13	019.26.1551.54197	B4
15	019.26.1552.44760	B5A
17	019.26.1552.56517	EJ1A
19	019.26.1553.09470	EJ2A
21	019.26.1554.13830	EJ3A
23	019.26.1601.16577	EJ4
25	019.26.1556.24773	HJ2
27	019.26.1557.22633	HJ4
29	019.26.1558.18350	J1
31	019.26.1557.37747	J01B
33	019.26.1557.39127	J03
35	019.26.1557.55710	J03A
37	019.26.1558.33380	J5
39	019.26.1558.34547	J5A
41	019.26.1558.10550	J05B
43	019.26.1558.42297	J5C
45	019.26.1558.11780	J07
47	019.26.1558.14570	J07A
49	019.26.1559.18440	V1

Item	Drawing Number	Truss
2	019.26.1550.18730	A1A
4	019.26.1551.08063	A1BE
6	019.26.1551.33920	A2
8	019.26.1551.40547	A4
10	019.26.1551.45723	B1
12	019.26.1551.51703	B3
14	019.26.1552.14907	B5
16	019.26.1552.47307	EJ1
18	019.26.1553.07267	EJ2
20	019.26.1553.57103	EJ3
22	019.26.1554.24373	EJ3B
24	019.26.1555.48607	HJ1
26	019.26.1556.41563	HJ3
28	019.26.1557.32930	HJ5
30	019.26.1557.36120	J01A
32	019.26.1558.28957	J3
34	019.26.1558.31153	J3A
36	019.26.1557.57243	J03B
38	019.26.1558.05860	J05
40	019.26.1558.07473	J05A
42	019.26.1558.36133	J5B
44	019.26.1558.45060	J7
46	019.26.1558.46657	J7A
48	019.26.1559.15627	J7B
50	019.26.1559.32160	V2



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Site Information:	Page 2:
Customer: W. B. Howland Company, Inc.	Job Number: 25-3040
Job Description: ANDERSON PROJECT	
Address: SW MEADOWLANDS DR, Lake City, FL 32024	

Item	Drawing Number	Truss
51	019.26.1559.36463	V3
53	019.26.1559.39190	V5
55	BRCLBSUB0119	
57	VALTN220723	

Item	Drawing Number	Truss
52	019.26.1559.37987	V4
54	019.26.1559.40390	V6
56	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 = Boraflame Fire Retardant Treated lumber

FRT-DB = D-Blaze Fire Retardant Treated lumber.

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

FRT-ON = OnWood Fire Retardant Treated lumber.

FRT-PG = PYRO-GUARD Fire Retardant Treated lumber.

FRT-PR = ProWood Fire Retardant Treated lumber.

g = green lumber.

HORZ(LL) = maximum Horizontal panel point deflection due to Live Load, in inches.

HORZ(TL) = maximum Horizontal panel point long term deflection in inches, due to Total Load, including creep adjustment.

HPL = additional Horizontal Load added to a truss Piece in pounds per linear foot or pounds.

Ic = Incised lumber.

FJ = Finger Jointed lumber.

L/# = user specified divisor for limiting span/deflection ratio for evaluation of actual L/defl value.

L/defl = ratio of Length between bearings, in inches, divided by the vertical Deflection due to creep, in inches, at the referenced panel point. Reported as 999 if greater than or equal to 999.

Loc = Location, starting location of left end of bearing or panel point (joint) location of deflection.

Max BC CSI = Maximum bending and axial Combined Stress Index for Bottom Chords for all load cases.

Max TC CSI = Maximum bending and axial Combined Stress Index for Top Chords for all load cases.

Max Web CSI = Maximum bending and axial Combined Stress Index for Webs for all load cases.

NCBCLL = Non-Concurrent Bottom Chord design Live Load in pounds per square foot.

PL = additional Load applied at a user specified angle on a truss Piece in pounds per linear foot or pounds.

PLB = additional vertical load added to a Bottom chord Piece of a truss in pounds per linear foot or pounds

PLT = additional vertical load added to a Top chord Piece of a truss in pounds per linear foot or pounds.

PP = Panel Point.

R = maximum downward design Reaction, in pounds, from all specified gravity load cases, at the indicated location (Loc).

-R = maximum upward design Reaction, in pounds, from all specified gravity load cases, at the identified location (Loc).

Rh = maximum horizontal design Reaction in either direction, in pounds, from all specified gravity load cases, at the indicated location (Loc).

RL = maximum horizontal design Reaction in either direction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).

## **General Notes** (continued)

### **Key to Terms** (continued):

Rw = maximum downward design Reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the identified location (Loc).

TCDL = Top Chord standard design Dead Load in pounds per square foot.

TCLL = Top Chord standard design Live Load in pounds per square foot.

U = maximum Upward design reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).

VERT(CL) = maximum Vertical panel point deflection in inches due to Live Load and Creep Component of Dead Load in inches.

VERT(CTL) = maximum Vertical panel point deflection ratios due to Live Load and Creep Component of Dead Load, and maximum long term Vertical panel point deflection in inches due to Total load, including creep adjustment.

VERT(LL) = maximum Vertical panel point deflection in inches due to Live Load.

VERT(TL) = maximum Vertical panel point long term deflection in inches due to Total load, including creep adjustment.

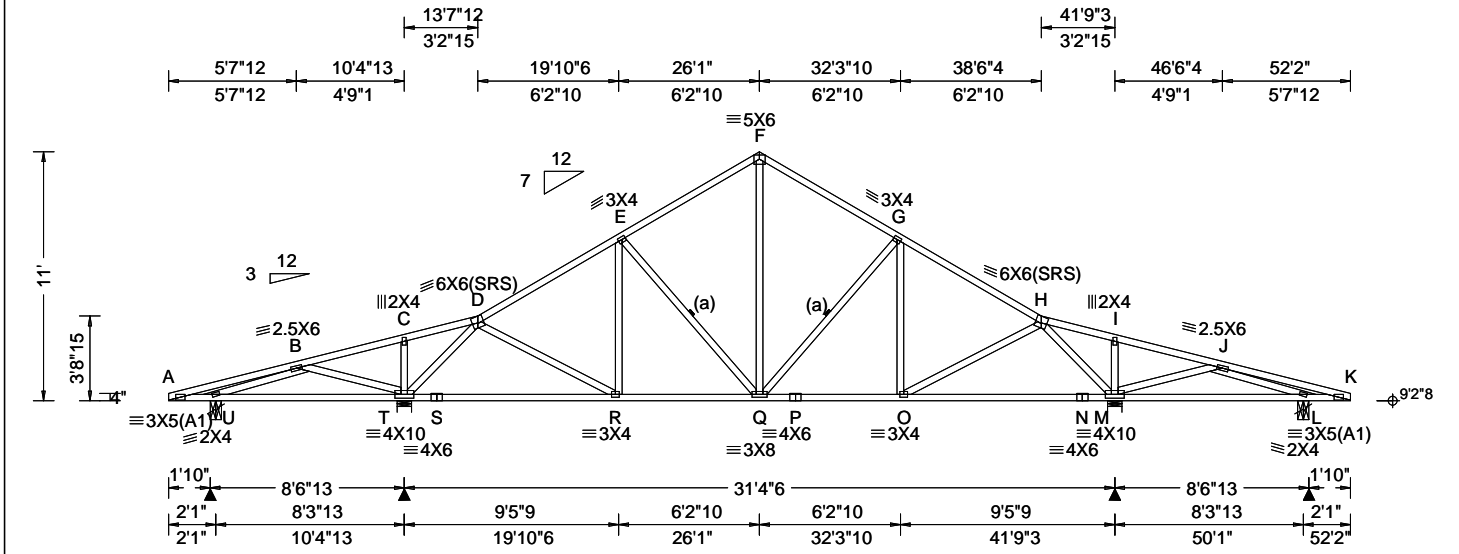
W = Width of non-hanger bearing, in inches.

Refer to ASCE-7 for Wind and Seismic abbreviations.

Uppercase Acronyms not explained above are as defined in TPI 1.

### **References:**

1. AWC: American Wood Council; 222 Catocin 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</b> (psf) TCLL: 20.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 5.22 ft Loc. from endwall: not in 13.00 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): 0.052 Q 999 240 VERT(CL): 0.115 Q 999 180 HORZ(LL): 0.019 M - - HORZ(TL): 0.043 M - - Creep Factor: 2.0 Max TC CSI: 0.571 Max BC CSI: 0.691 Max Web CSI: 1.000  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity U 362 - / - / - /153 /116 /289 T 2267 - / - / - /1398 /601 - M 2267 - / - / - /1346 /601 - L 362 - / - / - /153 /98 -  Wind reactions based on MWFRS U Brg Wid = 6.0 Min Req = 1.5 (Truss) T Brg Wid = 7.6 Min Req = 2.7 (Truss) M Brg Wid = 7.6 Min Req = 2.7 (Truss) L Brg Wid = 6.0 Min Req = 1.5 (Truss) Bearings U, T, M, & 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 474 -465 F - G 524 -1275 B - C 978 -367 G - H 482 -1548 C - D 976 -336 H - I 977 -339 D - E 481 -1548 I - J 979 -370 E - F 523 -1275 J - K 474 -494  <b>Maximum Bot Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. A - U 487 -410 P - O 1246 -187 U - T 165 -395 O - N 705 -116 T - S 705 -125 N - M 705 -116 S - R 705 -125 M - L 111 -395 R - Q 1246 -188 L - K 518 -410 Q - P 1246 -187  <b>Maximum Web Forces Per Ply (lbs)</b> Webs Tens.Comp. Webs Tens. Comp. U - B 454 -432 Q - G 219 -382 B - T 423 -732 O - H 698 -98 T - D 773 -2234 H - M 777 -2234 D - R 698 -105 M - J 439 -732 E - Q 222 -382 J - L 494 -432 F - Q 727 -298
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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.

**Loading**

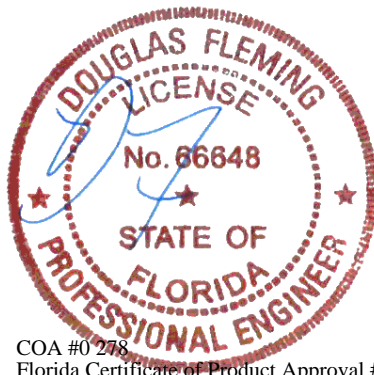
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

**Wind**

Wind loads based on MWFRS with additional C&C member design.  
Left and right cantilevers are exposed to wind  
Wind loading based on both gable and hip roof types.

**Additional Notes**

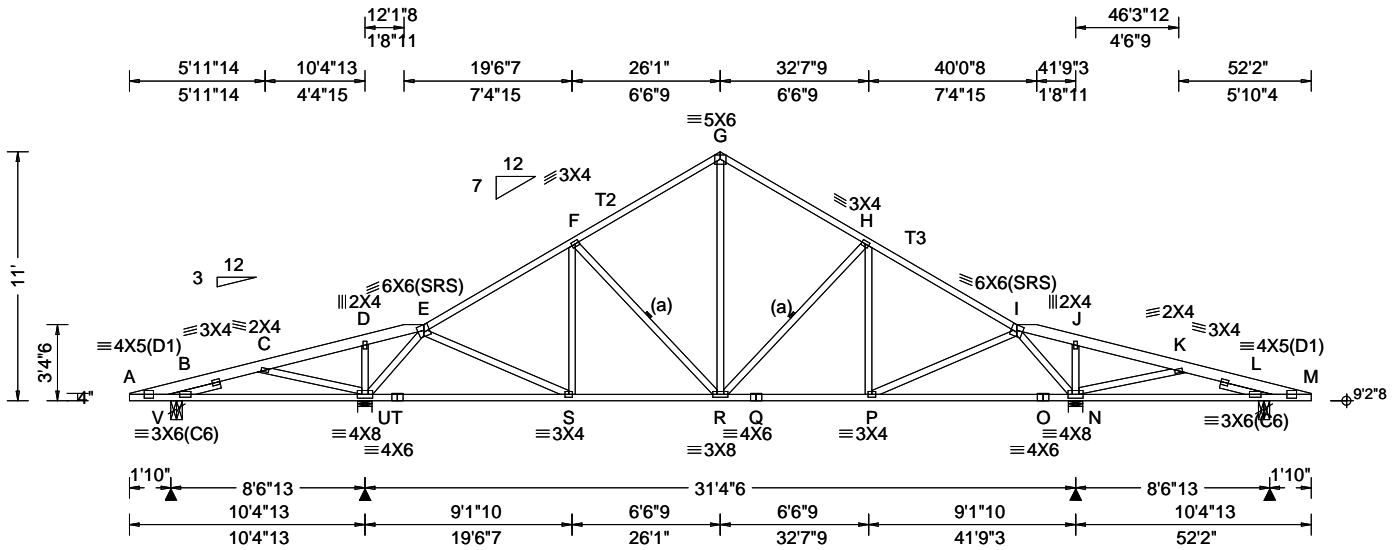
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.  
The overall height of this truss excluding overhang is 11'-0".



COA #0 278  
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**\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!**  
**\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**  
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.  
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)





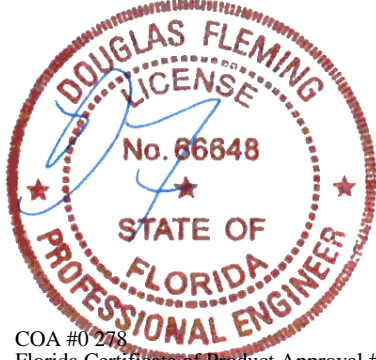
<b>Loading Criteria (psf)</b> TCLL: 20.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 5.22 ft Loc. from endwall: not in 6.50 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): 0.042 R 999 240 VERT(CL): 0.100 R 999 180 HORZ(LL): 0.014 N - - HORZ(TL): 0.035 N - - Creep Factor: 2.0 Max TC CSI: 0.566 Max BC CSI: 0.641 Max Web CSI: 0.683  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity V 369 - / - / /162 /106 /296 U 2150 - / - / /1359 /578 - / N 2157 - / - / /1315 /581 - / L 365 - / - / /159 /89 - /  Wind reactions based on MWFRS V Brg Wid = 6.0 Min Req = 1.5 (Truss) U Brg Wid = 7.6 Min Req = 2.5 (Truss) N Brg Wid = 7.6 Min Req = 2.5 (Truss) L Brg Wid = 6.0 Min Req = 1.5 (Truss) Bearings V, U, N, & 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 585 -589 G - H 496 -1172 C - D 941 -420 H - I 441 -1422 D - E 932 -395 I - J 943 -397 E - F 440 -1423 J - K 955 -424 F - G 495 -1172 L - M 574 -581  <b>Maximum Bot Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. A - V 602 -543 Q - P 1137 -179 U - T 530 -111 P - O 524 -37 T - S 530 -111 O - N 524 -37 S - R 1139 -181 L - M 594 -530 R - Q 1137 -179  <b>Maximum Web Forces Per Ply (lbs)</b> Webs Tens.Comp. Webs Tens. Comp. C - U 394 -669 P - I 805 -184 U - E 743 -1988 I - N 743 -1991 E - S 796 -181 N - K 401 -681 G - R 620 -254
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**Lumber**  
Top chord: 2x6 SP #2; T2,T3 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;  
Lt Slider: 2x4 SP #3; block length = 2.333'  
Rt Slider: 2x4 SP #3; block length = 2.333'

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

**Wind**  
Wind loads based on MWFRS with additional C&C member design.  
Left and right cantilevers are exposed to wind  
Wind loading based on both gable and hip roof types.

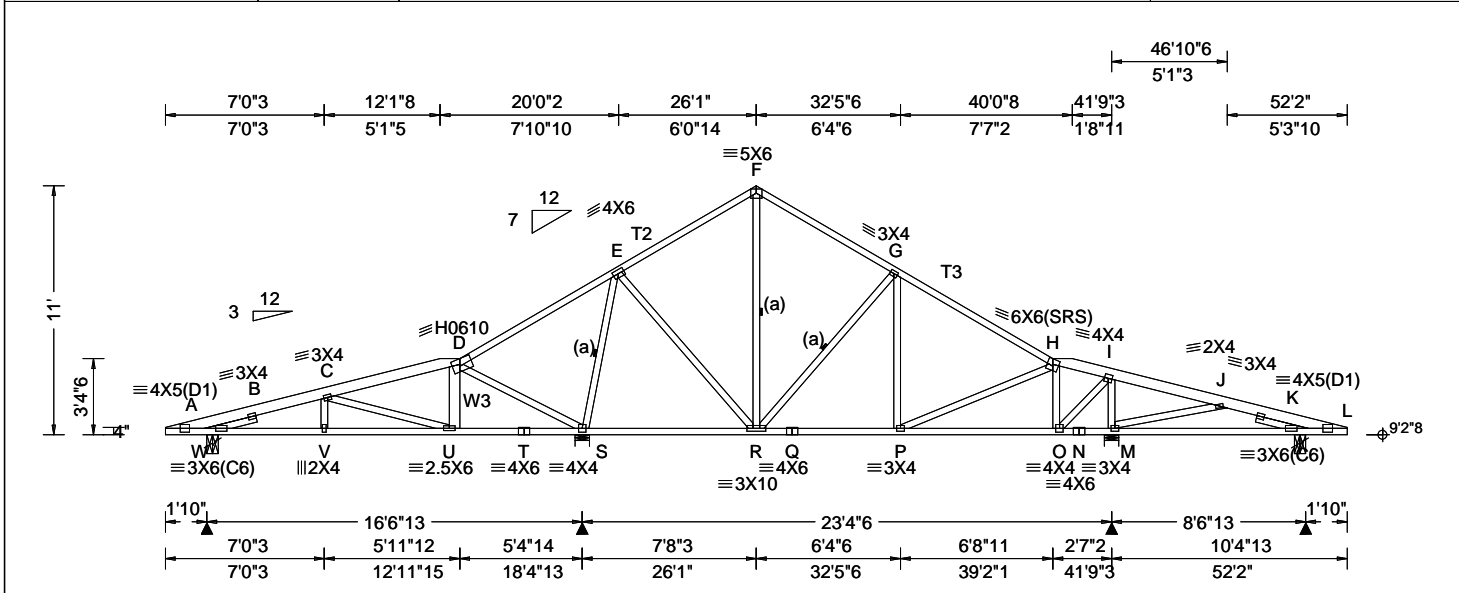
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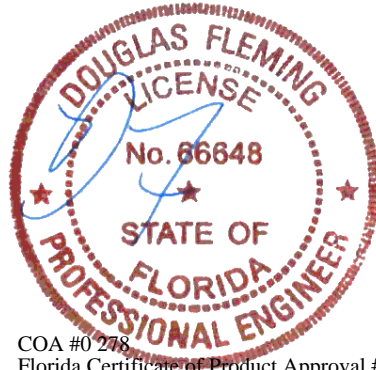


<b>Loading Criteria (psf)</b> TCCL: 20.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 5.22 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, HS	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.031 V 999 240 VERT(CL): 0.075 V 999 180 HORZ(LL): 0.007 O - - HORZ(TL): 0.018 O - - Creep Factor: 2.0 Max TC CSI: 0.772 Max BC CSI: 0.483 Max Web CSI: 0.641 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>W</td> <td>676</td> <td>-</td> <td>-</td> <td>/362</td> <td>/167</td> <td>/296</td> </tr> <tr> <td>S</td> <td>2283</td> <td>-</td> <td>-</td> <td>/1456</td> <td>/593</td> <td>-</td> </tr> <tr> <td>M</td> <td>1626</td> <td>-</td> <td>-</td> <td>/1000</td> <td>/432</td> <td>-</td> </tr> <tr> <td>K</td> <td>414</td> <td>-</td> <td>-</td> <td>/212</td> <td>/95</td> <td>-</td> </tr> </tbody> </table> <p>Wind reactions based on MWFRS          W Brg Wid = 6.0 Min Req = 1.5 (Truss)          S Brg Wid = 7.6 Min Req = 2.7 (Truss)          M Brg Wid = 7.6 Min Req = 1.9 (Truss)          K Brg Wid = 6.0 Min Req = 1.5 (Truss)          Bearings W, S, M, &amp; K are a rigid surface.          Members not listed have forces less than 375#</p>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	W	676	-	-	/362	/167	/296	S	2283	-	-	/1456	/593	-	M	1626	-	-	/1000	/432	-	K	414	-	-	/212	/95	-
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<b>Lumber</b> Top chord: 2x6 SP #2; T2,T3 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; W3 2x6 SP #2; Lt Slider: 2x4 SP #3; block length = 2.333' Rt Slider: 2x4 SP #3; block length = 2.333'	<b>Maximum Top Chord Forces Per Ply (lbs)</b> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Chords</th> <th>Tens.</th> <th>Comp.</th> <th>Chords</th> <th>Tens.</th> <th>Comp.</th> </tr> </thead> <tbody> <tr> <td>A - B</td> <td>530</td> <td>-510</td> <td>F - G</td> <td>319</td> <td>-513</td> </tr> <tr> <td>B - C</td> <td>423</td> <td>-753</td> <td>G - H</td> <td>317</td> <td>-857</td> </tr> <tr> <td>D - E</td> <td>965</td> <td>-402</td> <td>I - J</td> <td>690</td> <td>-411</td> </tr> <tr> <td>E - F</td> <td>319</td> <td>-507</td> <td>K - L</td> <td>513</td> <td>-552</td> </tr> </tbody> </table>	Chords	Tens.	Comp.	Chords	Tens.	Comp.	A - B	530	-510	F - G	319	-513	B - C	423	-753	G - H	317	-857	D - E	965	-402	I - J	690	-411	E - F	319	-507	K - L	513	-552
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<b>Bracing</b> (a) Continuous lateral restraint equally spaced on member. <b>Wind</b> Wind loads based on MWFRS with additional C&C member design. Left and right cantilevers are exposed to wind Wind loading based on both gable and hip roof types.	<b>Maximum Bot Chord Forces Per Ply (lbs)</b> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Chords</th> <th>Tens.</th> <th>Comp.</th> <th>Chords</th> <th>Tens.</th> <th>Comp.</th> </tr> </thead> <tbody> <tr> <td>W - V</td> <td>708</td> <td>-382</td> <td>Q - P</td> <td>635</td> <td>0</td> </tr> <tr> <td>A - W</td> <td>524</td> <td>-481</td> <td>P - O</td> <td>424</td> <td>0</td> </tr> <tr> <td>V - U</td> <td>705</td> <td>-385</td> <td>O - N</td> <td>476</td> <td>-508</td> </tr> <tr> <td>S - R</td> <td>431</td> <td>-430</td> <td>N - M</td> <td>476</td> <td>-508</td> </tr> <tr> <td>R - Q</td> <td>635</td> <td>0</td> <td>K - L</td> <td>563</td> <td>-469</td> </tr> </tbody> </table>	Chords	Tens.	Comp.	Chords	Tens.	Comp.	W - V	708	-382	Q - P	635	0	A - W	524	-481	P - O	424	0	V - U	705	-385	O - N	476	-508	S - R	431	-430	N - M	476	-508	R - Q	635	0	K - L	563	-469
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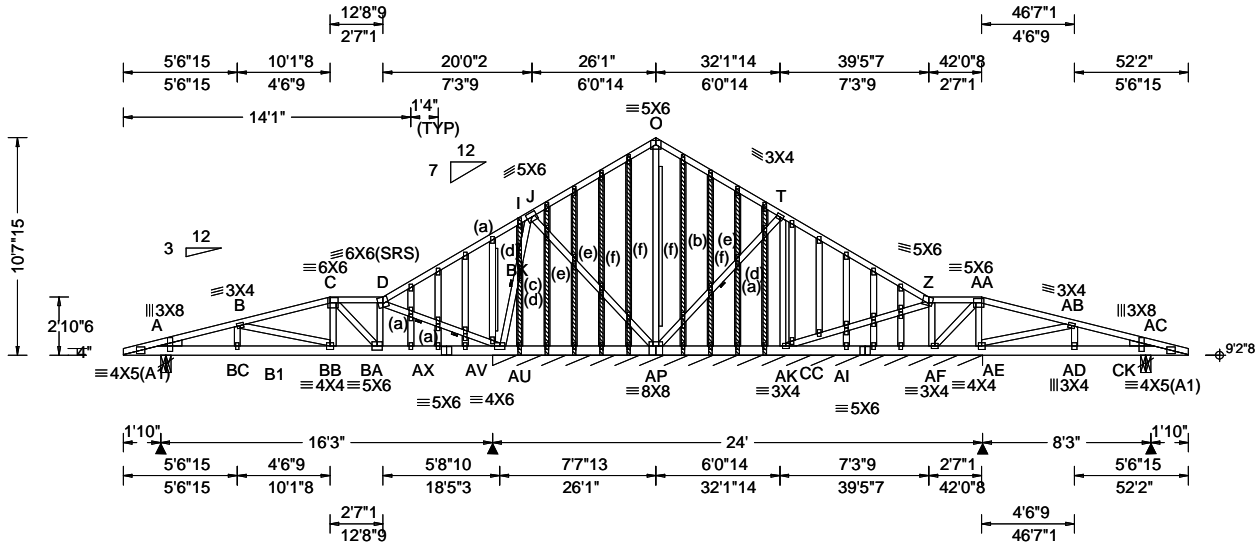
<b>Additional Notes</b> WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below. The overall height of this truss excluding overhang is 11-0-0.	<b>Maximum Web Forces Per Ply (lbs)</b> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Webs</th> <th>Tens.</th> <th>Comp.</th> <th>Webs</th> <th>Tens.</th> <th>Comp.</th> </tr> </thead> <tbody> <tr> <td>W - B</td> <td>893</td> <td>-1278</td> <td>R - G</td> <td>312</td> <td>-517</td> </tr> <tr> <td>C - U</td> <td>519</td> <td>-696</td> <td>H - O</td> <td>354</td> <td>-827</td> </tr> <tr> <td>U - D</td> <td>380</td> <td>-133</td> <td>O - I</td> <td>1183</td> <td>-440</td> </tr> <tr> <td>D - S</td> <td>534</td> <td>-816</td> <td>I - M</td> <td>685</td> <td>-1337</td> </tr> <tr> <td>S - E</td> <td>800</td> <td>-1780</td> <td>M - J</td> <td>542</td> <td>-644</td> </tr> <tr> <td>E - R</td> <td>893</td> <td>-251</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Webs	Tens.	Comp.	Webs	Tens.	Comp.	W - B	893	-1278	R - G	312	-517	C - U	519	-696	H - O	354	-827	U - D	380	-133	O - I	1183	-440	D - S	534	-816	I - M	685	-1337	S - E	800	-1780	M - J	542	-644	E - R	893	-251			
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COA #0 278  
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 01/19/2026

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Loading Criteria (psf)	
TCLL:	20.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	45.00
NCBCLL:	10.00
Soffit:	2.00
Load Duration:	1.25
Spacing:	24.0 "

Wind Criteria	
Wind Std:	ASCE 7-22
Speed:	140 mph
Enclosure:	Enclosed
Risk Category:	II
EXP:	C Kzt: NA
Mean Height:	15.00 ft
TCDL:	4.2 psf
BCDL:	3.0 psf
MWFRS Parallel Dist:	0 to h/2
C&C Dist a:	5.22 ft
Loc. from endwall:	Any
GCp1:	0.18
Wind Duration:	1.60

Snow Criteria (Pg,Pf in PSF)	
Pg:	NA Ct: NA CAT: NA
Pf:	NA Ce: NA
Lu:	NA Cs: NA
Snow Duration:	NA
Building Code:	
FBC 8th Ed. 2023 Res.	
TPI Std: 2014	
Rep Fac: Varies by Ld Case	
FT/RT:20(0)/10(0)	
Plate Type(s):	
WAVE	

Defl/CSI Criteria	
PP Deflection in loc L/defl L/#	
VERT(LL):	0.088 B 999 240
VERT(CL):	0.208 B 943 180
HORZ(LL):	-0.020 I - -
HORZ(TL):	0.048 I - -
Creep Factor:	2.0
Max TC CSI:	0.862
Max BC CSI:	0.819
Max Web CSI:	0.965
VIEW Ver:	24.02.00D.0114.10

▲ Maximum Reactions (lbs), or * = PLF						
Gravity			Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1528	-	-	-	/400	-
AV*	344	-	-	-	/79	-
CK	656	-	-	-	/150	-
AU		-	-	-	-	-
CC		-	-	-	-	-
AF		-	-	-	-	-
Wind reactions based on MWFRS						
A	Brg Wid = 6.0	Min Req = 1.5 (Truss)				
AV	Brg Wid = 288	Min Req = -				
CK	Brg Wid = 6.0	Min Req = 1.5 (Truss)				
Bearings A, AV, & CK are a rigid surface.						
Members not listed have forces less than 375#						

**Lumber**  
 Top chord: 2x4 SP #2;  
 Bot chord: 2x6 SP #2; B1 2x6 SP 2400f-2.0E;  
 Webs: 2x4 SP #3;  
 Lt Wedge: 2x4 SP #3; Rt Wedge: 2x4 SP #3;

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

**Special Loads**  
 -----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
 TC: From 71 plf at 0.00 to 71 plf at 12.72  
 TC: From 75 plf at 12.72 to 75 plf at 39.45  
 TC: From 71 plf at 39.45 to 71 plf at 52.17  
 BC: From 20 plf at 0.00 to 20 plf at 52.17  
 BC: 317 lb Conc. Load at 5.06  
 BC: 352 lb Conc. Load at 7.06, 9.06, 11.06, 13.06  
 15.06, 17.06, 43.10  
 BC: 648 lb Conc. Load at 45.10

**Wind**  
 Wind loads and reactions based on MWFRS.  
 Left and right cantilevers are exposed to wind  
 Wind loading based on both gable and hip roof types.  
 Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/134.

Maximum Top Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
A - B	625 -2241	O - T	875 -239
B - C	437 -1555	T - Z	620 -169
C - D	139 -490	Z -AA	656 -168
D - I	2602 -719	AA-AB	1150 -285
I - J	2412 -667	AB-AC	125 -509
J - O	875 -239		

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
A - BC	2136 -595	AK -AI	165 -646
BC - BB	2135 -596	AI -AF	165 -646
BB - BA	1454 -408	AF -AE	262 -1063
AV - AU	495 -1783	AE -AD	435 -107
AU - AP	495 -1783	AD -AC	473 -113
AP - AK	131 -470		

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
B - BB	196 -713	J -AP	1616 -448
C - BB	999 -273	O -AP	253 -957
C - BA	398 -1421	AF -AA	600 -139
BA - D	1896 -530	AA -AE	268 -1062
D - AV	759 -2738	AE -AB	387 -1563
AV - J	500 -1823	AB -AD	515 -74

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

**Loading**  
 Truss designed to support 1-4-0 top chord outlookers and cladding load not to exceed 4.00 PSF one face and 24.0' span opposite face. Top chord must not be cut or notched, unless specified otherwise.

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

COA #0 278  
 Florida Certificate of Product Approval #FL1999  
 01/19/2026

Maximum Gable Forces Per Ply (lbs)			
Gables	Tens.Comp.	Gables	Tens. Comp.
BK -AU	127 -487	I -BK	104 -401

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SEQN: 722272	GABL	Ply: 1	Job Number: 25-3040	Cust: R215	JRef: 1YGX2150009	T23
FROM: RFG		Qty: 1	ANDERSON PROJECT	DrwNo: 019.26.1551.08063		
Page 2 of 2			Truss Label: A1BE	NW / DF		01/19/2026

**Gable Reinforcement**

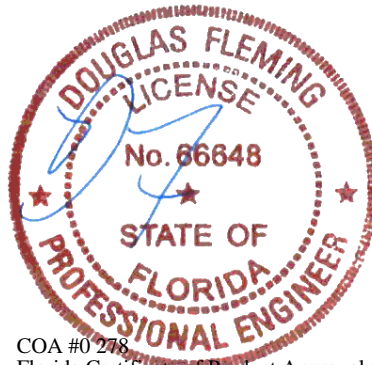
- (b) 2x6 "L" reinforcement. Same species and grade as web. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.
- (c) 1x4 SP/DF #2 or better "L" reinforcement. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.
- (d) 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.
- (e) 2x3 "T" reinforcement. Same species and grade as web. Full truss height along web member. Attach to the wide face with 10d (0.131"x3",min.) nails @ 4" oc in the web plus (2)10d (0.131"x3",min.) nails in each chord.
- (f) 2x4 "T" reinforcement. Same species and grade as web. Full truss height along web member. Attach to the wide face with 10d (0.131"x3",min.) nails @ 4" oc in the web plus (2)10d (0.131"x3",min.) nails in each chord.

**Additional Notes**

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

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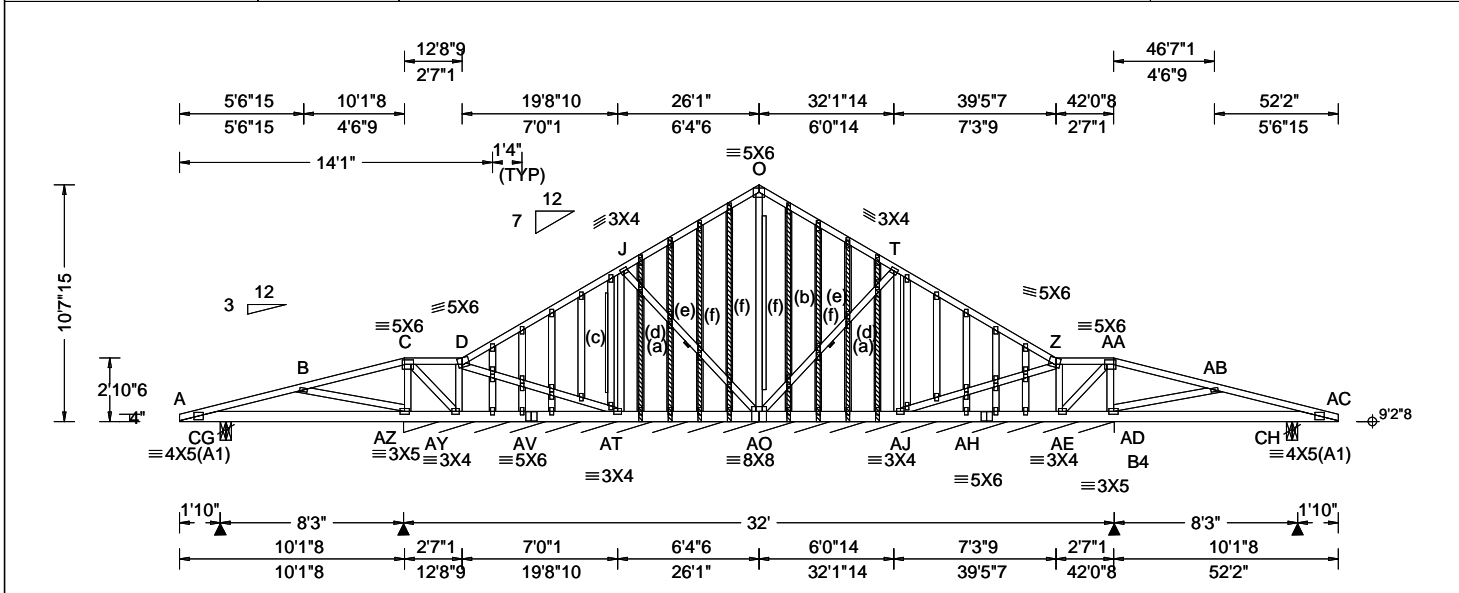
The overall height of this truss excluding overhang is 10-7-15.



COA #0 278  
 Florida Certificate of Product Approval #FL1999  
 01/19/2026

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<b>Loading Criteria (psf)</b> TCLL: 20.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 5.22 ft Loc. from endwall: not in 6.06 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): 0.027 B 999 240 VERT(CL): 0.065 B 999 180 HORZ(LL): -0.006 C - - HORZ(TL): 0.013 C - - Creep Factor: 2.0 Max TC CSI: 0.900 Max BC CSI: 0.791 Max Web CSI: 0.963  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs), or *=PLF</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL CG 516 /- /- /- /96 /- AZ* 245 /- /- /- /53 /- CH 723 /- /- /- /149 /- AY /-527 AE /-462 Wind reactions based on MWFRS CG Brg Wid = 6.0 Min Req = 1.5 (Truss) AZ Brg Wid = 384 Min Req = - CH Brg Wid = 6.0 Min Req = 1.5 (Truss) Bearings CG, AZ, & CH 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 1126 -358 AA-AB 814 -275 C - D 531 -169 AB-AC 126 -614 Z -AA 400 -135  <b>Maximum Bot Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. A -AZ 643 -45 AV-AT 157 -486 AZ-AY 334 -1046 AE-AD 253 -744 AY-AV 157 -486 AD-AC 1149 -210  <b>Maximum Web Forces Per Ply (lbs)</b> Webs Tens.Comp. Webs Tens. Comp. B -AZ 370 -1261 D -AT 447 -138 C -AZ 355 -1148 AE-AA 508 -175 C -AY 760 -243 AA-AD 284 -887 AY -D 105 -378 AD-AB 372 -1270
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**Lumber**  
Top chord: 2x4 SP #2;  
Bot chord: 2x6 SP #2; B4 2x6 SP 2400f-2.0E;  
Webs: 2x4 SP #3;

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

**Special Loads**  
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 71 plf at 0.00 to 71 plf at 12.72  
TC: From 75 plf at 12.72 to 75 plf at 39.45  
TC: From 71 plf at 39.45 to 71 plf at 52.17  
BC: From 20 plf at 0.00 to 20 plf at 52.17  
BC: 1052 lb Conc. Load at 8.90  
BC: 352 lb Conc. Load at 43.10  
BC: 648 lb Conc. Load at 45.10

**Wind**  
Wind loads and reactions based on MWFRS.  
Left and right cantilevers are exposed to wind  
Wind loading based on both gable and hip roof types.  
Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/134.

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

**Loading**  
Truss designed to support 1-4-0 top chord outlookers and cladding load not to exceed 4.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

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



COA #0 278  
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01/19/2026

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SEQN: 722257	GABL	Ply: 1	Job Number: 25-3040	Cust: R215 JRef:1YGX215009 T34
FROM: RFG		Qty: 1	ANDERSON PROJECT	DrwNo: 019.26.1551.31073
Page 2 of 2			Truss Label: A1E	NW / DF 01/19/2026

**Gable Reinforcement**

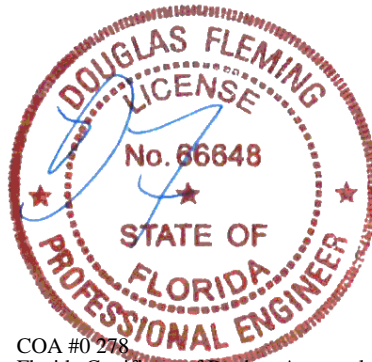
- (b) 2x6 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.
- (c) 1x4 "L" reinforcement. Same species and grade as web. 80% length of web member. Attach with 10d (0.131"x3",min.)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

**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.

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

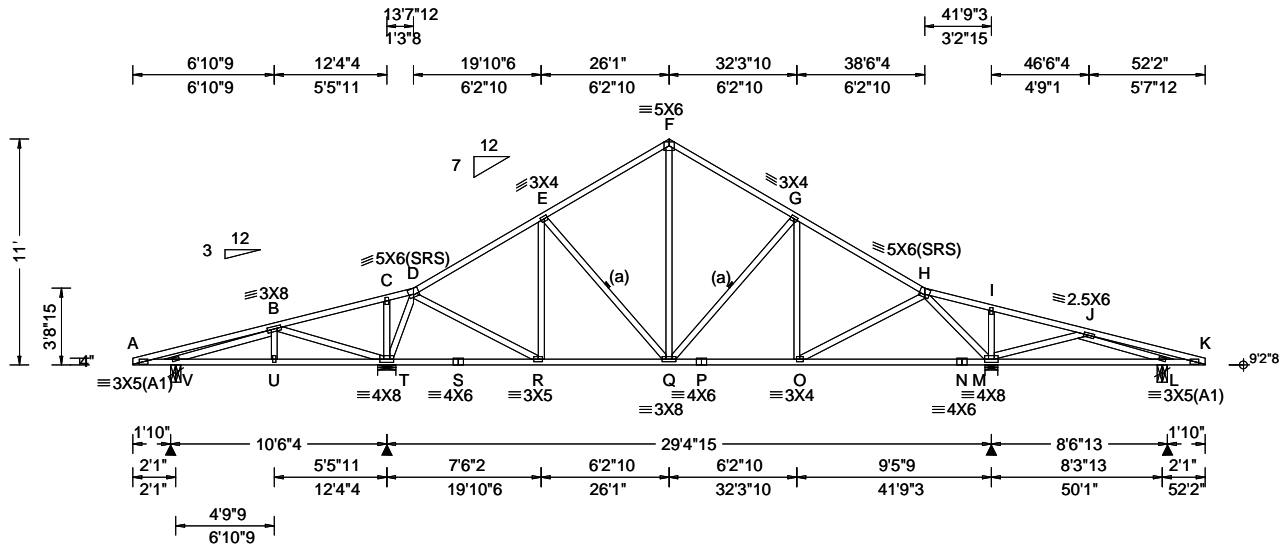
The overall height of this truss excluding overhang is 10-7-15.



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<b>Loading Criteria (psf)</b> TCLL: 20.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 5.22 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): 0.034 G 999 240 VERT(CL): 0.080 G 999 180 HORZ(LL): 0.012 M - - HORZ(TL): 0.029 M - - Creep Factor: 2.0 Max TC CSI: 0.696 Max BC CSI: 0.688 Max Web CSI: 0.848  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL V 481 -/ - / - /230 /131 /289 T 2106 -/ - / - /1378 /252 -/ M 2011 -/ - / - /1277 /245 -/ L 401 -/ - / - /173 /102 -/  Wind reactions based on MWFRS V Brg Wid = 6.0 Min Req = 1.5 (Truss) T Brg Wid = 10.7 Min Req = 2.5 (Truss) M Brg Wid = 7.6 Min Req = 2.4 (Truss) L Brg Wid = 6.0 Min Req = 1.5 (Truss) Bearings V, T, M, & 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 546 -416 F - G 474 -1029 B - C 801 -287 G - H 443 -1291 C - D 780 -270 H - I 802 -302 D - E 375 -1100 I - J 804 -332 E - F 475 -1029 J - K 475 -493  <b>Maximum Bot Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. A - V 447 -470 O - N 635 -113 R - Q 868 -122 N - M 635 -113 Q - P 1024 -164 L - K 517 -411 P - O 1024 -164  <b>Maximum Web Forces Per Ply (lbs)</b> Webs Tens.Comp. Webs Tens. Comp. V - B 443 -761 Q - G 232 -388 B - T 407 -910 O - H 529 -66 T - D 629 -1598 H - M 716 -1895 D - R 1132 -274 M - J 430 -692 R - E 181 -420 J - L 524 -540 F - Q 499 -248
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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.

**Wind**

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

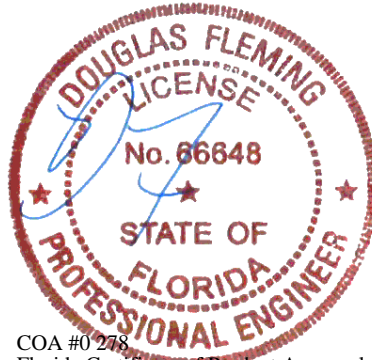
Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

**Additional Notes**

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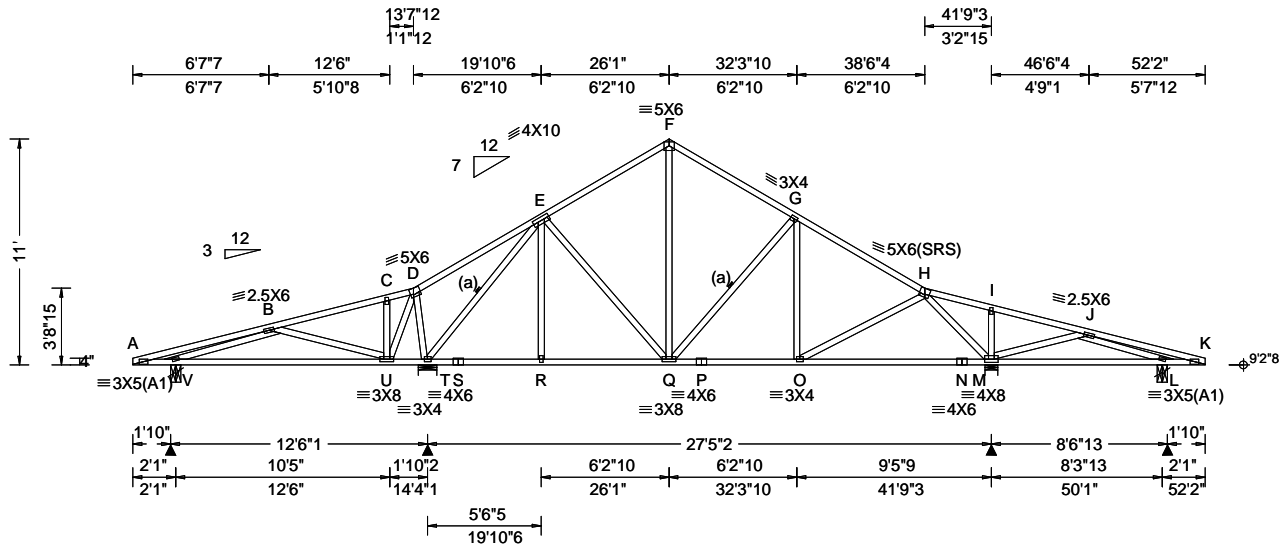
The overall height of this truss excluding overhang is 11-0-0.



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<b>Loading Criteria (psf)</b> TCLL: 20.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 5.22 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): 0.031 G 999 240 VERT(CL): 0.072 G 999 180 HORZ(LL): 0.016 M - - HORZ(TL): 0.039 M - - Creep Factor: 2.0 Max TC CSI: 0.632 Max BC CSI: 0.748 Max Web CSI: 0.801  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL V 627 /- /- /345 /135 /289 T 1990 /- /- /1287 /256 /- M 1931 /- /- /1231 /227 /- L 408 /- /- /180 /105 /- Wind reactions based on MWFRS V Brg Wid = 6.0 Min Req = 1.5 (Truss) T Brg Wid = 10.7 Min Req = 2.3 (Truss) M Brg Wid = 7.6 Min Req = 2.3 (Truss) L Brg Wid = 6.0 Min Req = 1.5 (Truss) Bearings V, T, M, & 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 369 -516 G - H 399 -1199 D - E 635 -161 H - I 754 -279 E - F 422 -935 I - J 755 -310 F - G 421 -933 J - K 474 -493  <b>Maximum Bot Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. A - V 542 -300 Q - P 945 -136 V - U 618 -263 P - O 945 -136 T - S 676 -84 O - N 600 -103 S - R 676 -84 N - M 600 -103 R - Q 677 -84 L - K 516 -410  <b>Maximum Web Forces Per Ply (lbs)</b> Webs Tens.Comp. Webs Tens. Comp. V - B 730 -972 Q - G 243 -407 B - U 447 -733 O - H 478 -44 U - D 646 -302 H - M 661 -1791 D - T 323 -637 M - J 426 -683 T - E 532 -1698 J - L 542 -559 F - Q 420 -191
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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.

**Wind**

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

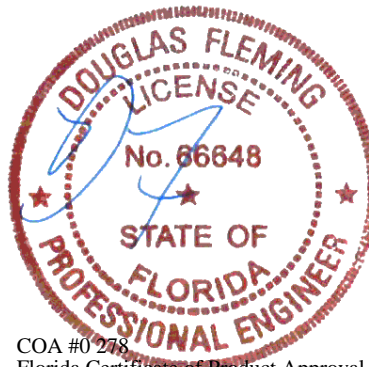
Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.

**Additional Notes**

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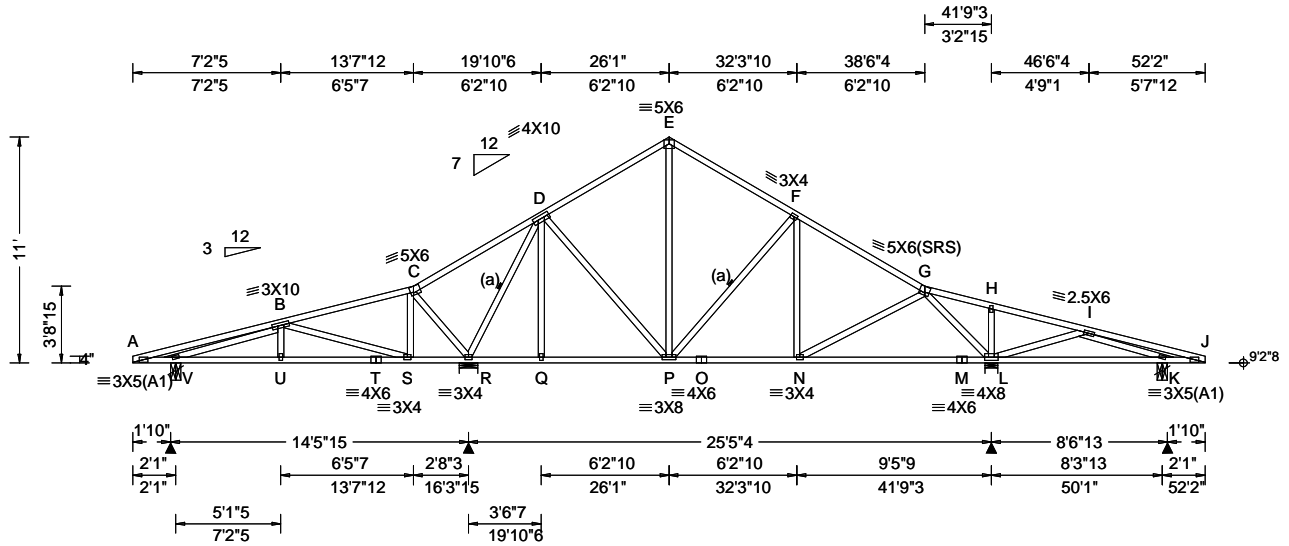
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<b>Loading Criteria (psf)</b> TCLL: 20.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 5.22 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): 0.027 U 999 240 VERT(CL): 0.064 U 999 180 HORZ(LL): 0.012 K - - HORZ(TL): 0.030 L - - Creep Factor: 2.0 Max TC CSI: 0.756 Max BC CSI: 0.667 Max Web CSI: 0.859  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL V 649 -/ - / - /350 /146 /289 R 2127 -/ - / - /1384 /259 -/ L 1770 -/ - / - /1134 /210 -/ K 425 -/ - / - /198 /107 -/ Wind reactions based on MWFRS V Brg Wid = 6.0 Min Req = 1.5 (Truss) R Brg Wid = 10.7 Min Req = 2.5 (Truss) L Brg Wid = 7.6 Min Req = 2.1 (Truss) K Brg Wid = 6.0 Min Req = 1.5 (Truss) Bearings V, R, L, & 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 516 -408 F - G 335 -1030 C - D 854 -226 G - H 666 -252 D - E 354 -732 H - I 667 -282 E - F 346 -731 I - J 472 -492  <b>Maximum Bot Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. A - V 442 -438 O - N 798 -97 V - U 713 -241 N - M 524 -87 U - T 714 -240 M - L 524 -87 T - S 714 -240 K - J 515 -408 P - O 798 -97  <b>Maximum Web Forces Per Ply (lbs)</b> Webs Tens.Comp. Webs Tens. Comp. V - B 605 -1217 P - F 257 -454 B - S 461 -949 N - G 379 -18 S - C 411 -102 G - L 585 -1579 C - R 367 -634 L - I 420 -663 R - D 556 -1766 I - K 564 -601 D - P 483 -62
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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**

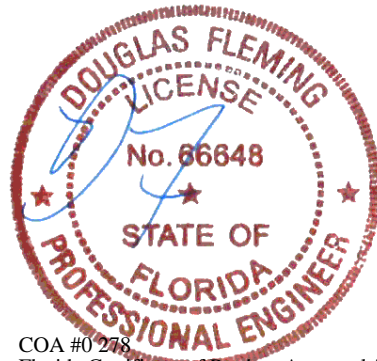
All plates are 2X4 except as noted.

**Wind**

Wind loads based on MWFRS with additional C&C member design.  
Left and right cantilevers are exposed to wind  
Wind loading based on both gable and hip roof types.

**Additional Notes**

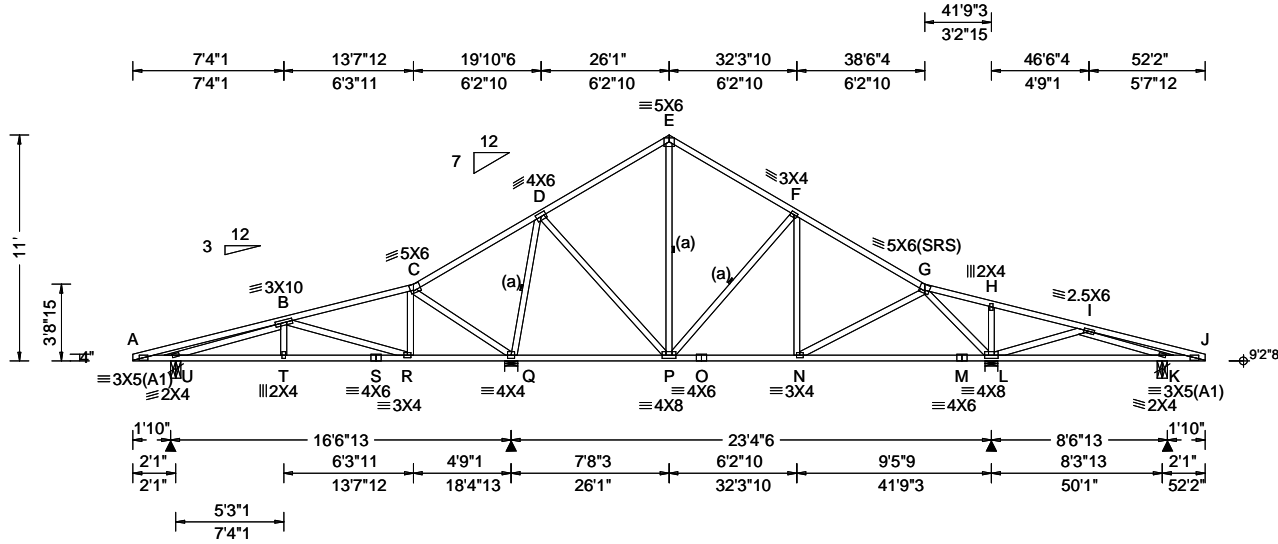
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<b>Loading Criteria (psf)</b> TCCL: 20.00 TCCL: 15.00 BCLL: 0.00 BCLL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 5.22 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: 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): 0.034 T 999 240 VERT(CL): 0.075 T 999 180 HORZ(LL): 0.011 K - - HORZ(TL): 0.024 L - - Creep Factor: 2.0 Max TC CSI: 0.769 Max BC CSI: 0.654 Max Web CSI: 0.984  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>U</td> <td>693</td> <td>-</td> <td>-</td> <td>/381</td> <td>/172</td> <td>/289</td> </tr> <tr> <td>Q</td> <td>2405</td> <td>-</td> <td>-</td> <td>/1456</td> <td>/624</td> <td>-</td> </tr> <tr> <td>L</td> <td>1700</td> <td>-</td> <td>-</td> <td>/1042</td> <td>/438</td> <td>-</td> </tr> <tr> <td>K</td> <td>426</td> <td>-</td> <td>-</td> <td>/210</td> <td>/108</td> <td>-</td> </tr> </tbody> </table> <p>Wind reactions based on MWFRS          U Brg Wid = 6.0 Min Req = 1.5 (Truss)          Q Brg Wid = 7.6 Min Req = 2.8 (Truss)          L Brg Wid = 7.6 Min Req = 2.0 (Truss)          K Brg Wid = 6.0 Min Req = 1.5 (Truss)</p> <p>Bearings U, Q, L, &amp; K are a rigid surface.          Members not listed have forces less than 375#</p>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	U	693	-	-	/381	/172	/289	Q	2405	-	-	/1456	/624	-	L	1700	-	-	/1042	/438	-	K	426	-	-	/210	/108	-
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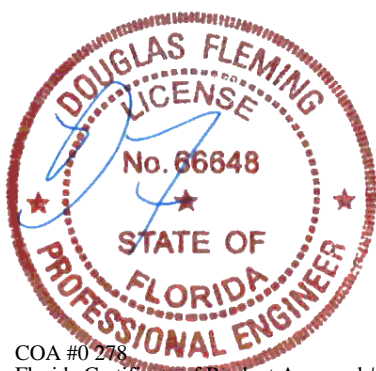
**Lumber**  
 Top chord: 2x4 SP #2;  
 Bot chord: 2x4 SP #2;  
 Webs: 2x4 SP #3;

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

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

**Wind**  
 Wind loads based on MWFRS with additional C&C member design.  
 Left and right cantilevers are exposed to wind  
 Wind loading based on both gable and hip roof types.

**Additional Notes**  
 WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.  
 The overall height of this truss excluding overhang is 11'-0".



COA #0278  
 Florida Certificate of Product Approval #FL1999  
 01/19/2026

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

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	510	-540	F - G	328	-955
C - D	887	-346	G - H	638	-257
D - E	309	-591	H - I	638	-317
E - F	311	-593	I - J	467	-484

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

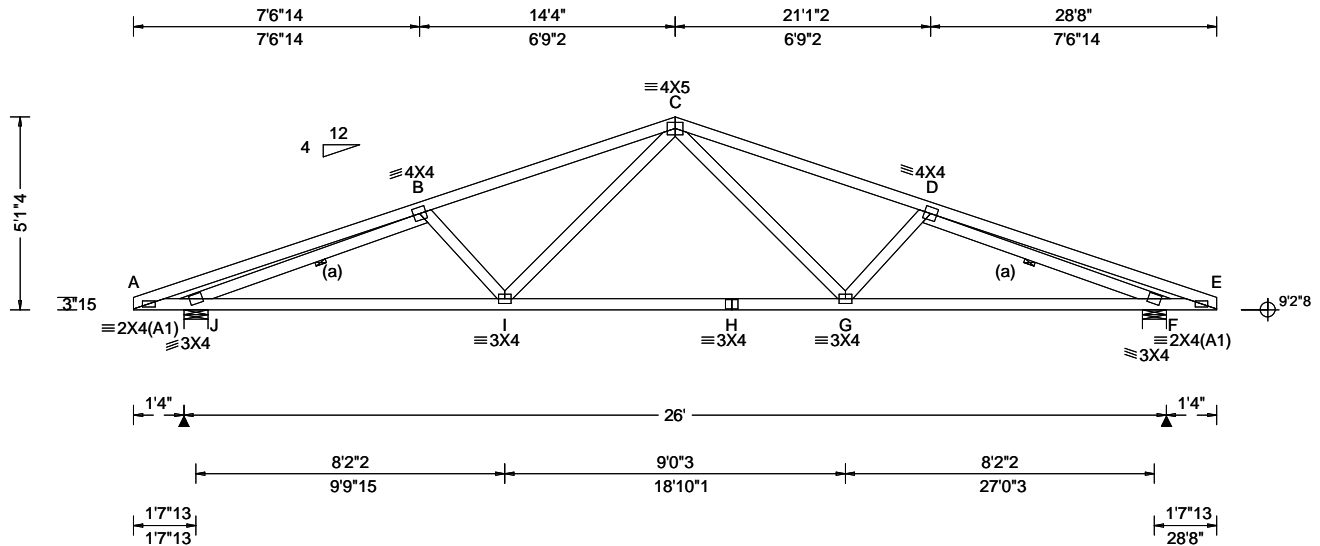
Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - U	589	-431	P - O	730	-2
U - T	835	-414	O - N	730	-2
T - S	836	-413	N - M	468	-19
S - R	836	-413	M - L	468	-19
Q - P	457	-389	K - J	506	-403

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

Webs	Tens.	Comp.	Webs	Tens.	Comp.
U - B	893	-1327	D - P	938	-247
B - R	634	-923	P - F	331	-539
R - C	407	-165	G - L	590	-1493
C - Q	490	-713	L - I	563	-658
Q - D	767	-1788	I - K	627	-600

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<b>Loading Criteria (psf)</b> TCLL: 20.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft 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): 0.099 C 999 240 VERT(CL): 0.226 C 999 180 HORZ(LL): 0.035 F - - HORZ(TL): 0.080 F - - Creep Factor: 2.0 Max TC CSI: 0.751 Max BC CSI: 0.818 Max Web CSI: 0.741  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL J 1315 /- /- /747 /365 /90 F 1315 /- /- /747 /365 /- Wind reactions based on MWFRS J Brg Wid = 7.6 Min Req = 1.6 (Truss) F Brg Wid = 7.6 Min Req = 1.6 (Truss) Bearings J & 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 773 -2116 C - D 773 -2117
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**Lumber**

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

**Bracing**

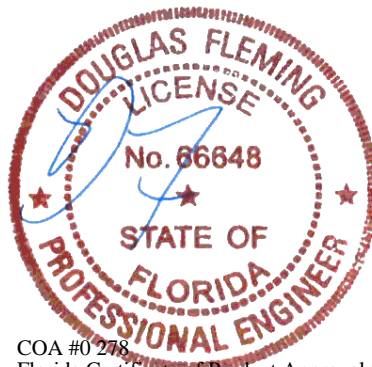
(a) Continuous lateral restraint equally spaced on member.

**Wind**

Wind loads based on MWFRS with additional C&C member design.  
Left and right cantilevers are exposed to wind  
Wind loading based on both gable and hip roof types.

**Additional Notes**

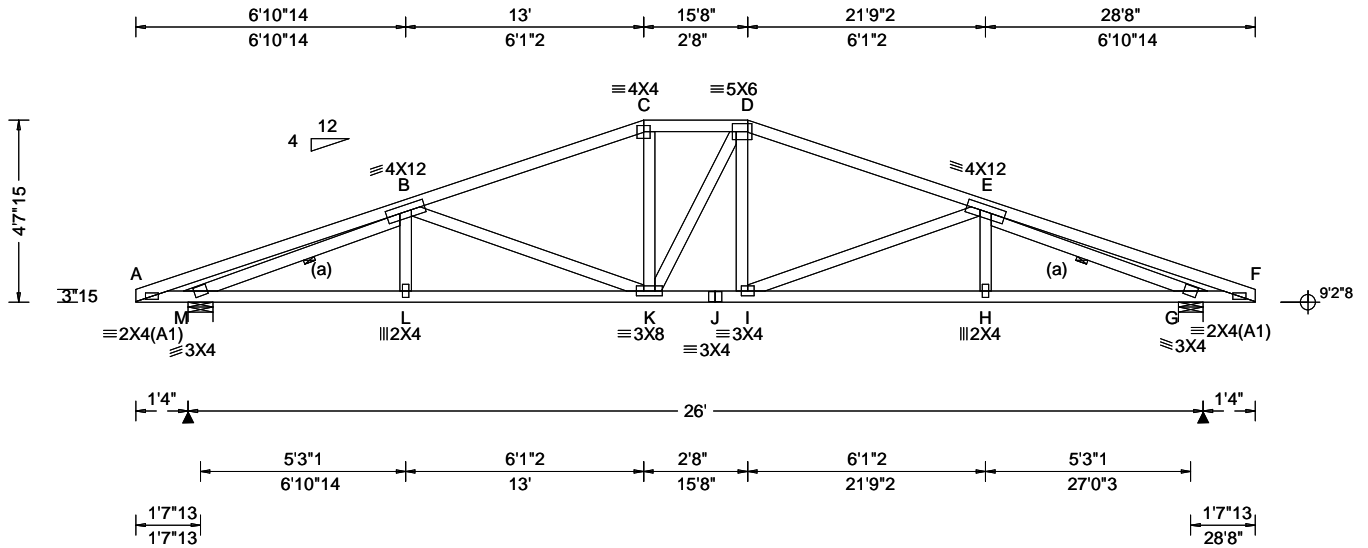
The overall height of this truss excluding overhang is 5'-1".



COA #0 278  
Florida Certificate of Product Approval #FL1999  
01/19/2026

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<b>Loading Criteria (psf)</b> TCCL: 20.00 TCCL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 4.2 psf BCDL: 3.0 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): 0.097 I 999 240 VERT(CL): 0.222 I 999 180 HORZ(LL): 0.038 G - - HORZ(TL): 0.088 G - - Creep Factor: 2.0 Max TC CSI: 0.634 Max BC CSI: 0.854 Max Web CSI: 0.644 VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL M 1315 /- /- /745 /366 /82 G 1315 /- /- /745 /366 /- Wind reactions based on MWFRS M Brg Wid = 7.6 Min Req = 1.6 (Truss) G Brg Wid = 7.6 Min Req = 1.6 (Truss) Bearings M & 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 829 -1848 D - E 831 -1855 C - D 834 -1687					
				<b>Maximum Bot Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. M - L 2164 -819 J - I 1684 -630 L - K 2166 -818 I - H 2166 -823 K - J 1684 -630 H - G 2164 -824 <b>Maximum Web Forces Per Ply (lbs)</b> Webs Tens.Comp. Webs Tens. Comp. M - B 1132 -2511 I - E 208 -514 B - K 209 -519 E - G 1133 -2510					

**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**

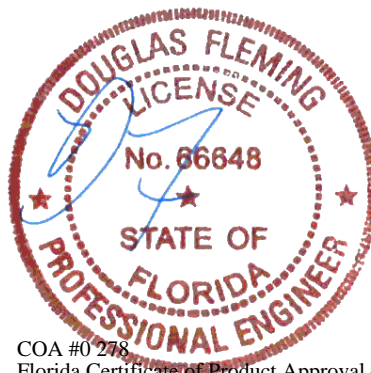
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

**Wind**

Wind loads based on MWFRS with additional C&C member design.  
 Left and right cantilevers are exposed to wind  
 Wind loading based on both gable and hip roof types.

**Additional Notes**

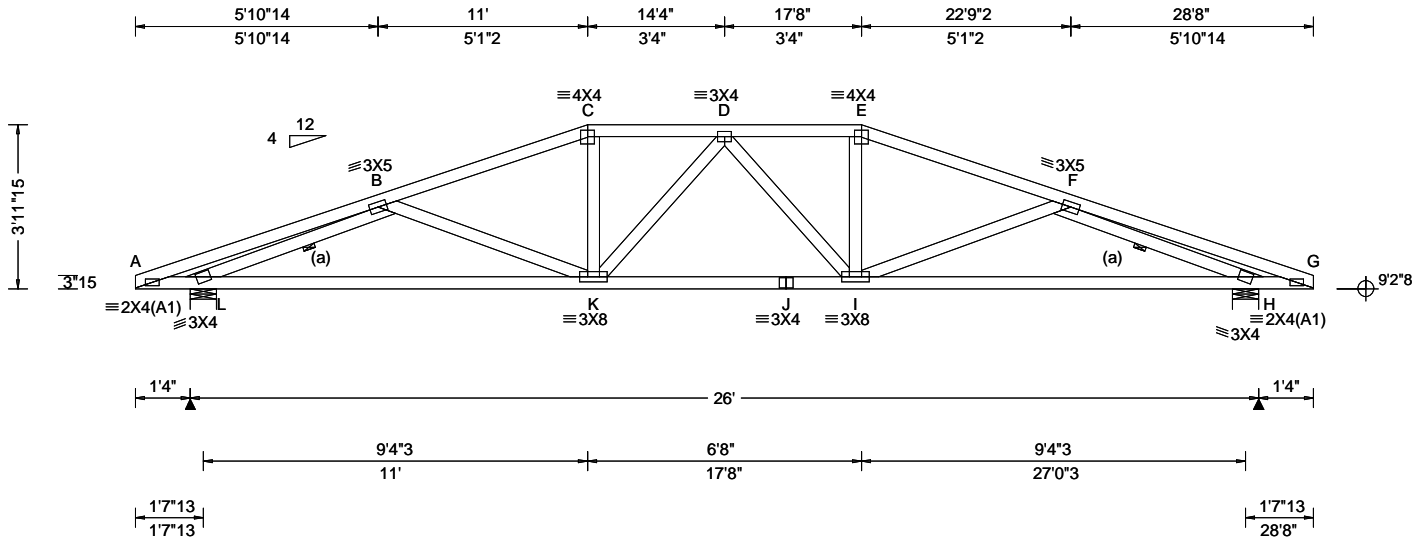
The overall height of this truss excluding overhang is 4-7-15.



COA #0278  
 Florida Certificate of Product Approval #FL1999  
 01/19/2026

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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)</b>
TCLL: 20.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft 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): 0.098 D 999 240 VERT(CL): 0.224 D 999 180 HORZ(LL): 0.037 H - - HORZ(TL): 0.085 H - - Creep Factor: 2.0 Max TC CSI: 0.440 Max BC CSI: 0.955 Max Web CSI: 0.533  VIEW Ver: 24.02.00D.0114.10	<b>Gravity</b> Loc R+ / R- / Rh / Rw / U / RL L 1315 /- /- /741 /367 /69 H 1315 /- /- /741 /367 /- <b>Non-Gravity</b> Wind reactions based on MWFRS L Brg Wid = 7.6 Min Req = 1.6 (Truss) H Brg Wid = 7.6 Min Req = 1.6 (Truss) Bearings L & H 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 160 -400 D - E 1067 -1884 B - C 1077 -2037 E - F 1077 -2037 C - D 1067 -1884 F - G 160 -400

**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**

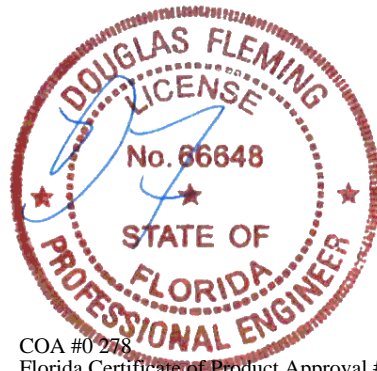
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

**Wind**

Wind loads based on MWFRS with additional C&C member design.  
Left and right cantilevers are exposed to wind  
Wind loading based on both gable and hip roof types.

**Additional Notes**

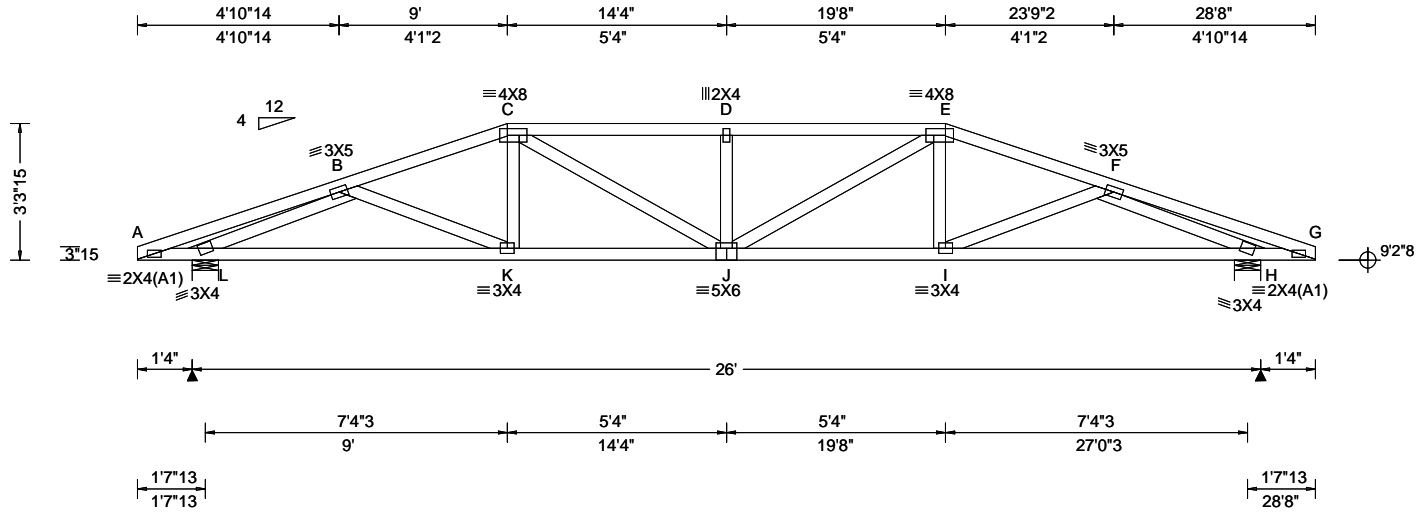
The overall height of this truss excluding overhang is 3-11-15.



COA #0278  
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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)</b>
TCLL: 20.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft 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): 0.115 D 999 240 VERT(CL): 0.263 D 999 180 HORZ(LL): 0.036 H - - HORZ(TL): 0.082 H - - Creep Factor: 2.0 Max TC CSI: 0.491 Max BC CSI: 0.659 Max Web CSI: 0.880  VIEW Ver: 24.02.00D.0114.10	<b>Gravity</b> Loc R+ / R- / Rh / Rw / U / RL L 1315 /- /- /738 /368 /57 H 1315 /- /- /738 /368 /- <b>Non-Gravity</b> Wind reactions based on MWFRS L Brg Wid = 7.6 Min Req = 1.6 (Truss) H Brg Wid = 7.6 Min Req = 1.6 (Truss) Bearings L & H 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 1291 -2179 D - E 1584 -2461 C - D 1584 -2461 E - F 1291 -2179

**Lumber**

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

**Purlins**

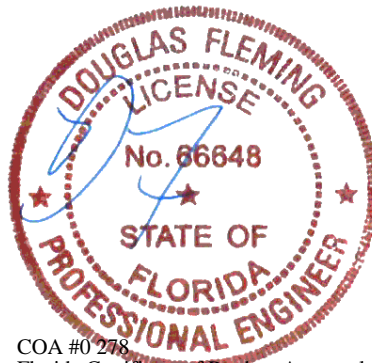
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

**Wind**

Wind loads based on MWFRS with additional C&C member design.  
Left and right cantilevers are exposed to wind  
Wind loading based on both gable and hip roof types.

**Additional Notes**

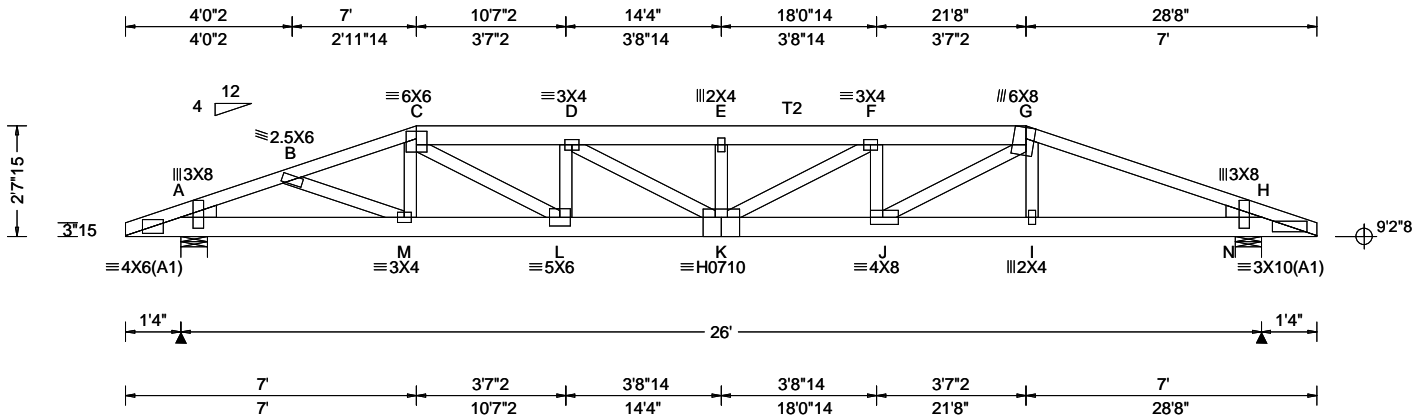
The overall height of this truss excluding overhang is 3-3-15.



COA #0 278  
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<b>Loading Criteria (psf)</b> TCLL: 20.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft 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, HS	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.589 E 516 240 VERT(CL): 0.712 E 427 180 HORZ(LL): 0.115 H - - HORZ(TL): 0.139 H - - Creep Factor: 2.0 Max TC CSI: 0.777 Max BC CSI: 0.813 Max Web CSI: 0.989  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 2346 /- /- /- /742 /- N 2346 /- /- /- /742 /- Wind reactions based on MWFRS A Brg Wid = 7.6 Min Req = 1.9 (Truss) N Brg Wid = 7.6 Min Req = 1.9 (Truss) Bearings A & 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. A - B 1264 -3916 E - F 2241 -6953 B - C 1456 -4560 F - G 2033 -6322 C - D 2025 -6295 G - H 1423 -4428 D - E 2241 -6953
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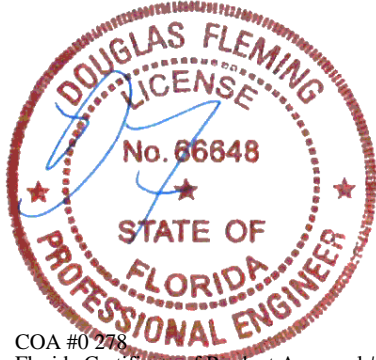
**Lumber**  
Top chord: 2x4 SP M-31; T2 2x6 SP #2;  
Bot chord: 2x6 SP 2400f-2.0E;  
Webs: 2x4 SP #3;  
Lt Wedge: 2x4 SP #3; Rt Wedge: 2x4 SP #3;

**Special Loads**  
-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 72 plf at 0.00 to 72 plf at 7.00  
TC: From 36 plf at 7.00 to 36 plf at 21.67  
TC: From 72 plf at 21.67 to 72 plf at 28.67  
BC: From 20 plf at 0.00 to 20 plf at 7.03  
BC: From 10 plf at 7.03 to 10 plf at 21.64  
BC: From 20 plf at 21.64 to 20 plf at 28.67  
TC: 211 lb Conc. Load at 7.03,21.64  
TC: 161 lb Conc. Load at 9.06,11.06,13.06,14.33  
15.60,17.60,19.60  
BC: 283 lb Conc. Load at 7.03,21.64  
BC: 88 lb Conc. Load at 9.06,11.06,13.06,14.33  
15.60,17.60,19.60

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

**Wind**  
Wind loads and reactions based on MWFRS.  
Left and right cantilevers are exposed to wind  
Wind loading based on both gable and hip roof types.

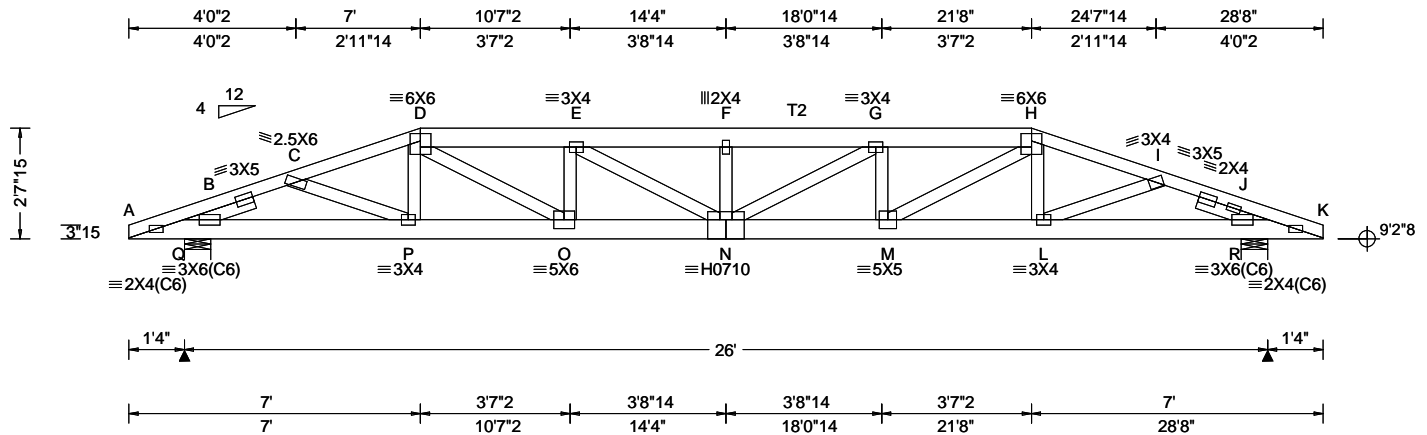
**Additional Notes**  
The overall height of this truss excluding overhang is 2-7-15.



COA #0 278  
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<b>Loading Criteria (psf)</b> TCLL: 20.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft 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, HS	<b>Defl/CSI Criteria</b> PP Deflection in loc L/defl L/# VERT(LL): 0.449 F 679 240 VERT(CL): 0.604 F 505 180 HORZ(LL): 0.076 D - - HORZ(TL): 0.109 D - - Creep Factor: 2.0 Max TC CSI: 0.823 Max BC CSI: 0.533 Max Web CSI: 0.986  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL Q 2393 - / - / - / - / 728 - / - R 2495 - / - / - / - / 700 - / - Wind reactions based on MWFRS Q Brg Wid = 7.6 Min Req = 2.0 (Truss) R Brg Wid = 7.6 Min Req = 2.1 (Truss) Bearings Q & R 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 304 -1166 F - G 2177 -7253 B - C 1287 -4142 G - H 1927 -6664 C - D 1465 -4802 H - I 1397 -5049 D - E 1976 -6495 I - J 1232 -4343 E - F 2177 -7253 J - K 288 -1227
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**Lumber**  
Top chord: 2x4 SP M-31; T2 2x6 SP #2;  
Bot chord: 2x6 SP 2400f-2.0E;  
Webs: 2x4 SP #3;  
Lt Slider: 2x4 SP #3; block length = 1.750'  
Rt Slider: 2x4 SP #3; block length = 1.750'

**Additional Notes**  
The overall height of this truss excluding overhang is 2-7-15.

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

Chords	Tens.Comp.	Chords	Tens. Comp.
Q - P	3744 -1163	N - M	6765 -1972
A - Q	1131 -288	M - L	4860 -1353
P - O	4626 -1417	L - R	3925 -1113
O - N	6606 -2018	J - K	1192 -272

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

Webs	Tens.Comp.	Webs	Tens. Comp.
C - B	1052 -3226	N - G	580 -240
C - P	930 -255	G - M	354 -793
D - O	2239 -666	M - H	2161 -684
O - E	330 -865	L - I	992 -238
E - N	767 -186	J - I	1011 -3371
F - N	265 -517		

**Special Loads**  
-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 72 plf at 0.00 to 72 plf at 7.00  
TC: From 36 plf at 7.00 to 36 plf at 21.67  
TC: From 72 plf at 21.67 to 72 plf at 28.67  
BC: From 20 plf at 0.00 to 20 plf at 7.03  
BC: From 10 plf at 7.03 to 10 plf at 21.64  
BC: From 20 plf at 21.64 to 20 plf at 28.67  
TC: 211 lb Conc. Load at 7.03  
TC: 161 lb Conc. Load at 9.06,11.06,13.06,14.33  
15.60,17.60  
TC: 201 lb Conc. Load at 19.60  
TC: 277 lb Conc. Load at 21.64  
BC: 283 lb Conc. Load at 7.03  
BC: 88 lb Conc. Load at 9.06,11.06,13.06,14.33  
15.60,17.60  
BC: 112 lb Conc. Load at 19.60  
BC: 348 lb Conc. Load at 21.64

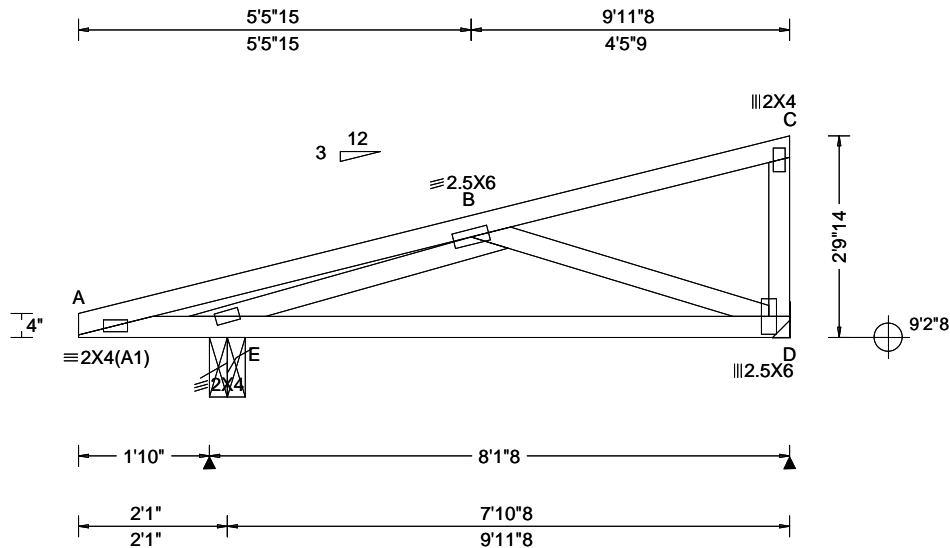
**Purlins**  
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

**Wind**  
Wind loads and reactions based on MWFRS.  
Left and right cantilevers are exposed to wind  
Wind loading based on both gable and hip roof types.



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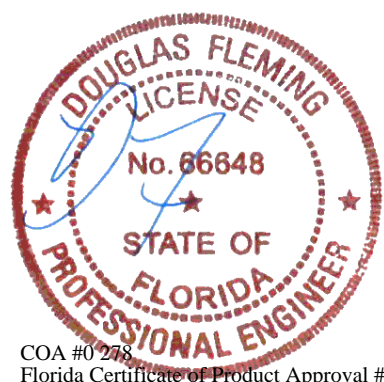




<b>Loading Criteria (psf)</b> TCCL: 20.00 TCDL: 15.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCcp: 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): 0.010 B 999 240 VERT(CL): 0.024 B 999 180 HORZ(LL): 0.003 D - - HORZ(TL): 0.007 D - - Creep Factor: 2.0 Max TC CSI: 0.453 Max BC CSI: 0.550 Max Web CSI: 0.358 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>E</td> <td>572</td> <td>-</td> <td>-</td> <td>/311</td> <td>/158</td> <td>/102</td> </tr> <tr> <td>D</td> <td>344</td> <td>-</td> <td>-</td> <td>/201</td> <td>/116</td> <td>-</td> </tr> </tbody> </table> Wind reactions based on MWFRS E Brg Wid = 6.0 Min Req = 1.5 (Truss) D Brg Wid = - Min Req = - Bearing E is 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>A - B</td> <td>390</td> <td>-</td> <td>703</td> </tr> </tbody> </table>						Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	E	572	-	-	/311	/158	/102	D	344	-	-	/201	/116	-	Chords	Tens.Comp.	Chords	Tens.Comp.	A - B	390	-	703
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**Wind**  
 Wind loads based on MWFRS with additional C&C member design.  
 Right end vertical not exposed to wind pressure.  
 Left cantilever is exposed to wind  
 Wind loading based on both gable and hip roof types.

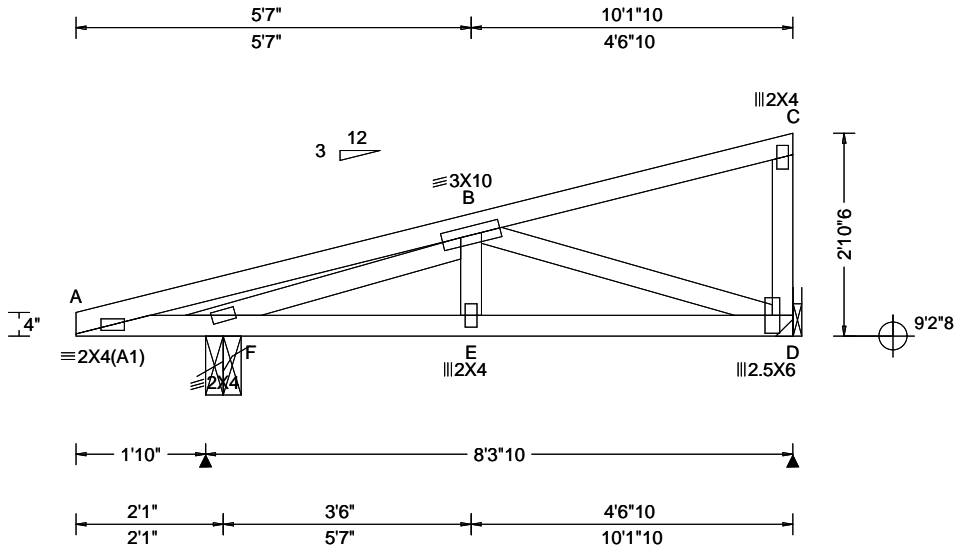
**Additional Notes**  
 The overall height of this truss excluding overhang is 2-9-14.



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<b>Loading Criteria (psf)</b> TCLL: 20.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft 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): 0.012 E 999 240 VERT(CL): 0.027 E 999 180 HORZ(LL): 0.003 D - - HORZ(TL): 0.008 D - - Creep Factor: 2.0 Max TC CSI: 0.487 Max BC CSI: 0.347 Max Web CSI: 0.414  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL F 580 /- /- /316 /160 /104 D 352 /- /- /206 /119 /- Wind reactions based on MWFRS F Brg Wid = 6.0 Min Req = 1.5 (Truss) D Brg Wid = - Min Req = - Bearing F is a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. A - B 485 -567
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**Lumber**

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

**Hangers / Ties**

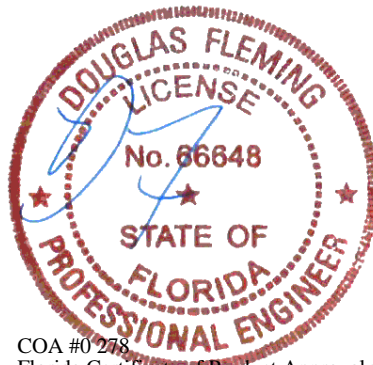
Hanger Support Required, by others

**Wind**

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

**Additional Notes**

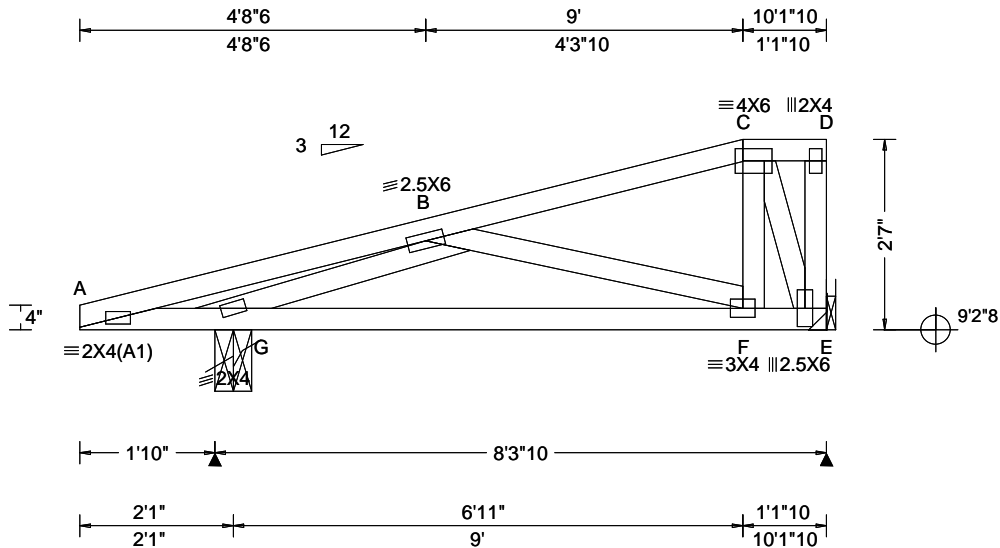
The overall height of this truss excluding overhang is 2-10-7.



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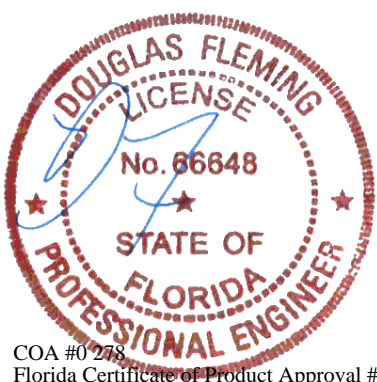
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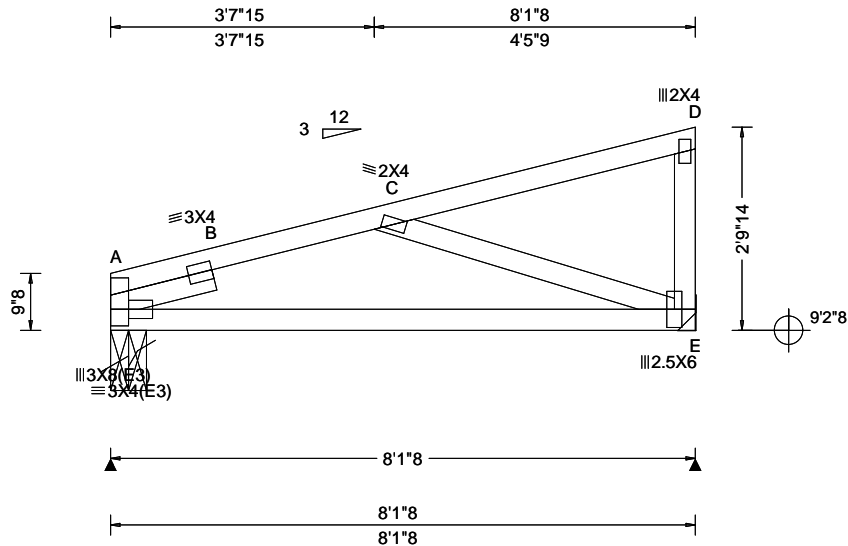
**Additional Notes**  
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COA #0 278  
Florida Certificate of Product Approval #FL1999  
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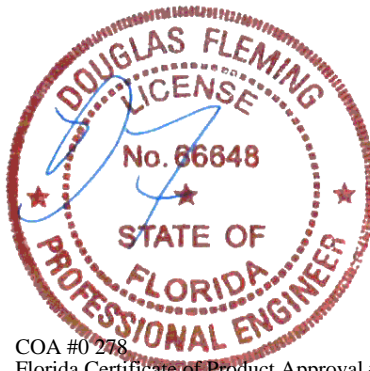


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R+	/R-	/Rh	/Rw		/U	/RL																									
A	369	-	-	/211	/92	/83																									
E	369	-	-	/212	/122	-																									
<b>Maximum Top Chord Forces Per Ply (lbs)</b> <table border="1"> <thead> <tr> <th>Chords</th> <th>Tens.Comp.</th> <th>Chords</th> <th>Tens. Comp.</th> </tr> </thead> <tbody> <tr> <td>A - B</td> <td>493</td> <td>B - C</td> <td>467</td> </tr> </tbody> </table>				Chords	Tens.Comp.	Chords	Tens. Comp.	A - B	493	B - C	467																				
Chords	Tens.Comp.	Chords	Tens. Comp.																												
A - B	493	B - C	467																												

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

**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.

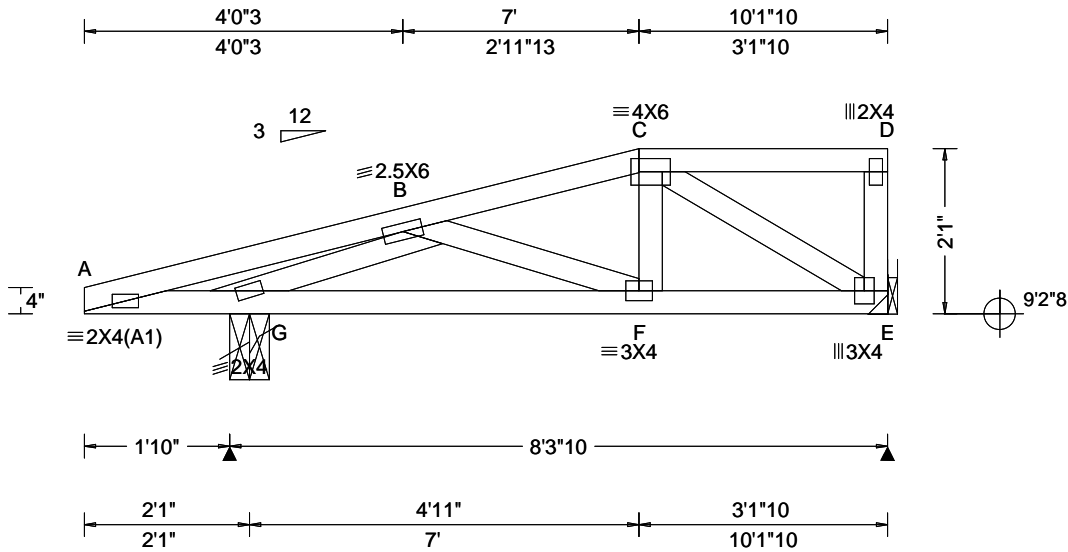
**Additional Notes**  
 The overall height of this truss excluding overhang is 2-9-14.



COA #0278  
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<b>Loading Criteria (psf)</b> TCLL: 20.00 TCCL: 15.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 4.2 psf BCDL: 3.0 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): 0.011 F 999 240 VERT(CL): 0.024 F 999 180 HORZ(LL): 0.004 E - - HORZ(TL): 0.009 E - - Creep Factor: 2.0 Max TC CSI: 0.409 Max BC CSI: 0.314 Max Web CSI: 0.337 VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL G 863 /- /- /- /216 /- E 648 /- /- /- /166 /- Wind reactions based on MWFRS G Brg Wid = 6.0 Min Req = 1.5 (Truss) E Brg Wid = - Min Req = - Bearing G 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 757 -225 B - C 185 -814 <b>Maximum Bot Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. A - G 202 -699 F - E 758 -164 G - F 638 -197 <b>Maximum Web Forces Per Ply (lbs)</b> Webs Tens.Comp. Webs Tens. Comp. G - B 454 -1479 C - E 184 -859

**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 71 plf at 0.00 to 71 plf at 7.00  
 TC: From 35 plf at 7.00 to 35 plf at 10.14  
 BC: From 20 plf at 0.00 to 20 plf at 7.03  
 BC: From 10 plf at 7.03 to 10 plf at 10.14  
 TC: 101 lb Conc. Load at 0.00  
 TC: 166 lb Conc. Load at 7.03  
 TC: 145 lb Conc. Load at 9.06  
 BC: 233 lb Conc. Load at 7.03  
 BC: 75 lb Conc. Load at 9.06

**Hangers / Ties**

Hanger Support Required, by others

**Purlins**

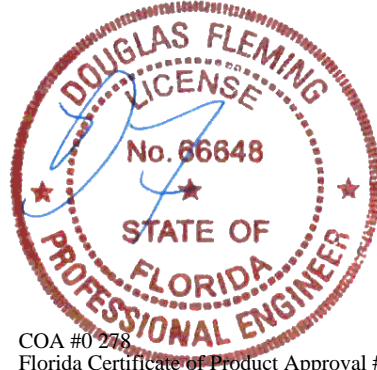
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

**Wind**

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

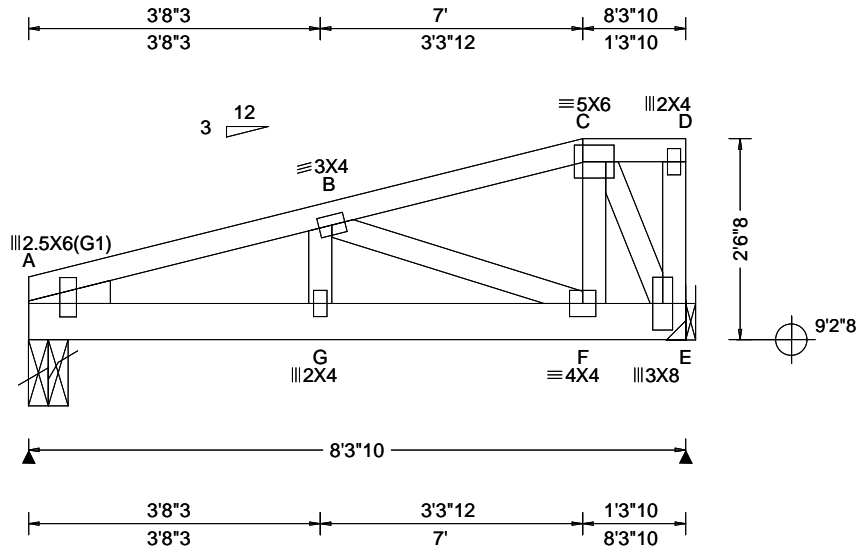
**Additional Notes**

The overall height of this truss excluding overhang is 2-1-0.



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<b>Loading Criteria (psf)</b> TCCL: 20.00 TCCL: 15.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 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): 0.018 B 999 240 VERT(CL): 0.028 G 999 180 HORZ(LL): 0.004 E - - HORZ(TL): 0.006 E - - Creep Factor: 2.0 Max TC CSI: 0.191 Max BC CSI: 0.234 Max Web CSI: 0.359 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>A</td> <td>499</td> <td>-</td> <td>-</td> <td>-</td> <td>/145</td> <td>-</td> </tr> <tr> <td>E</td> <td>1052</td> <td>-</td> <td>-</td> <td>-</td> <td>/306</td> <td>-</td> </tr> </tbody> </table> <p>Wind reactions based on MWFRS            A Brg Wid = 6.0 Min Req = 1.5 (Truss)            E Brg Wid = - Min Req = -            Bearing A is a rigid surface.            Members not listed have forces less than 375#</p>						Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	A	499	-	-	-	/145	-	E	1052	-	-	-	/306	-
				Loc	Gravity			Non-Gravity																												
R+	/R-	/Rh	/Rw		/U	/RL																														
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Chords	Tens.Comp.	Chords	Tens. Comp.																																	
A - B	296	B - C	182																																	

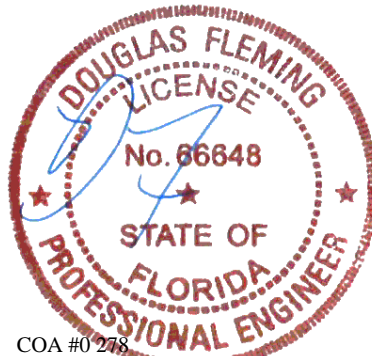
**Lumber**  
 Top chord: 2x4 SP #2;  
 Bot chord: 2x6 SP #2;  
 Webs: 2x4 SP #3;  
 Lt Stub Wedge: 2x4 SP #3;

**Special Loads**  
 -----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
 TC: From 71 plf at 0.00 to 71 plf at 8.30  
 BC: From 20 plf at 0.00 to 20 plf at 8.30  
 BC: 796 lb Conc. Load at 7.03

**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 2-6-8.



COA #0 278  
 Florida Certificate of Product Approval #FL1999  
 01/19/2026

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SEQN: 722231 FROM: RFG Page 2 of 2	HIPM Ply: 1 Qty: 1	Job Number: 25-3040 ANDERSON PROJECT Truss Label: EJ3A	Cust: R215 JRef:1YGX2150009 T29 DrwNo: 019.26.1554.13830 NW / DF 01/19/2026
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**Hangers / Ties**

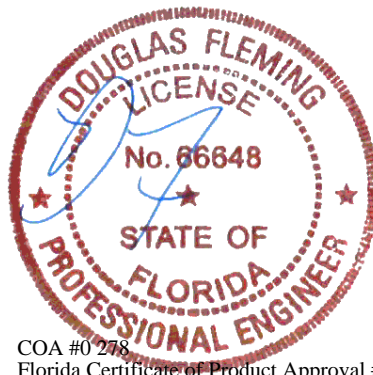
Simpson Construction Hardware is specified based on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information.

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=8'0"10 uses the following support conditions: 8'0"10

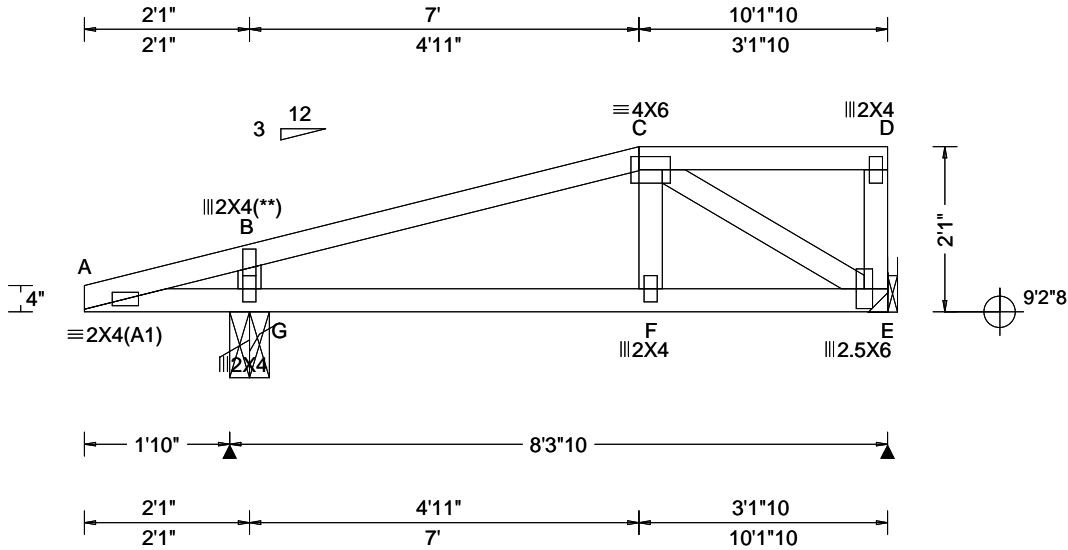
- Bearing E (8'0"10, 9'2"8) HUS26
- Supporting Member: (1)2x6 SP #2
- (14) 0.148"x3" nails into supporting member,
- (4) 0.148"x3" nails into supported member.



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<b>Loading Criteria (psf)</b> TCLL: 20.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft 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: 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): 0.019 C 999 240 VERT(CL): 0.044 C 999 180 HORZ(LL): -0.008 D - - HORZ(TL): 0.018 D - - Creep Factor: 2.0 Max TC CSI: 0.507 Max BC CSI: 0.432 Max Web CSI: 0.133  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL G 580 /- /- /315 /171 /72 E 352 /- /- /203 /111 /- Wind reactions based on MWFRS G Brg Wid = 6.0 Min Req = 1.5 (Truss) E Brg Wid = - Min Req = - Bearing G 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 257 -375 B - C 338 -422
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**Lumber**

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

**Plating Notes**

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

**Hangers / Ties**

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.

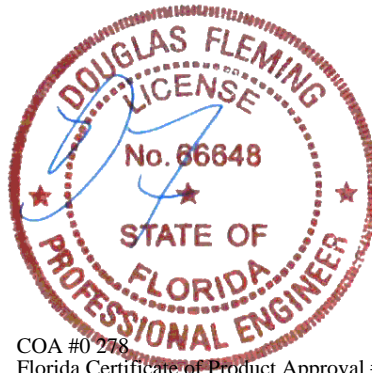
Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

**Additional Notes**

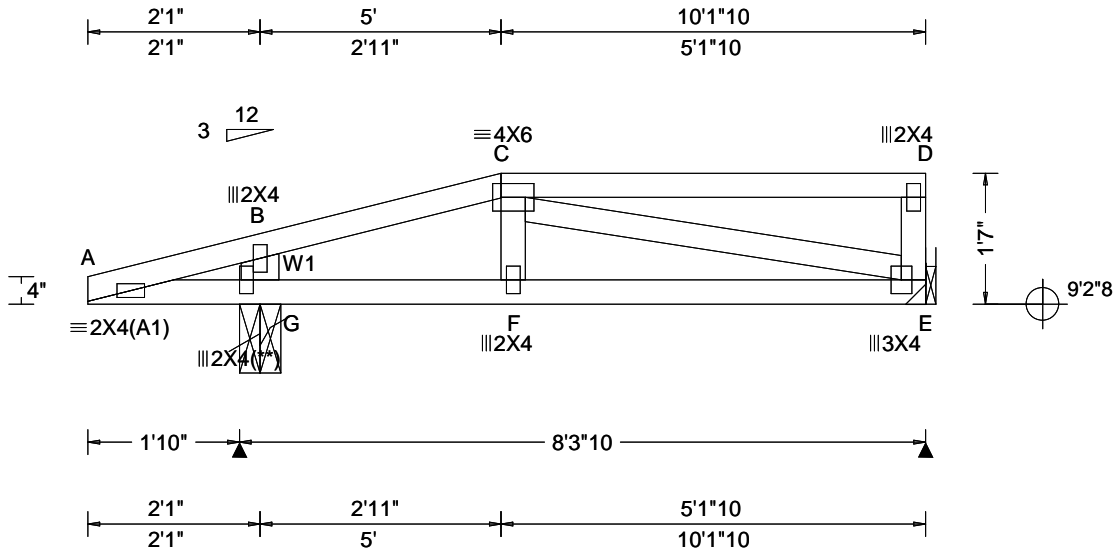
The overall height of this truss excluding overhang is 2'-1-0.



COA #0 278  
Florida Certificate of Product Approval #FL1999  
01/19/2026

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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)</b>
TCLL: 20.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft 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: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.055 C 999 240 VERT(CL): 0.104 C 929 180 HORZ(LL): -0.012 D - - HORZ(TL): 0.021 D - - Creep Factor: 2.0 Max TC CSI: 0.787 Max BC CSI: 0.776 Max Web CSI: 0.158  VIEW Ver: 24.02.00D.0114.10	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity G 746 /- /- /- /219 /- E 317 /- /- /- /101 /- Wind reactions based on MWFRS G Brg Wid = 6.0 Min Req = 1.5 (Truss) E Brg Wid = - Min Req = - Bearing G 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 94 -408

**Lumber**  
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3; W1 2x6 SP #2;

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

**Maximum Web Forces Per Ply (lbs)**  
Webs Tens.Comp.  
B - G 158 -428

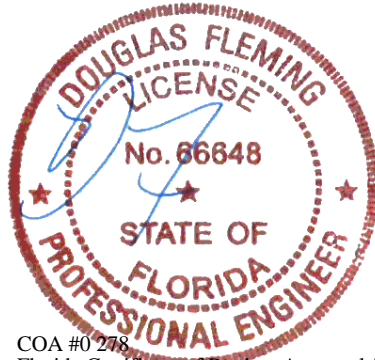
**Special Loads**  
-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 71 plf at 0.00 to 71 plf at 5.00  
TC: From 35 plf at 5.00 to 35 plf at 10.14  
BC: From 20 plf at 0.00 to 20 plf at 5.03  
BC: From 10 plf at 5.03 to 10 plf at 10.14  
TC: 113 lb Conc. Load at -0.00  
TC: 28 lb Conc. Load at 5.03  
TC: 64 lb Conc. Load at 7.06, 9.06  
BC: 60 lb Conc. Load at 5.03  
BC: 17 lb Conc. Load at 7.06, 9.06

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

**Hangers / Ties**  
Hanger Support Required, by others

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

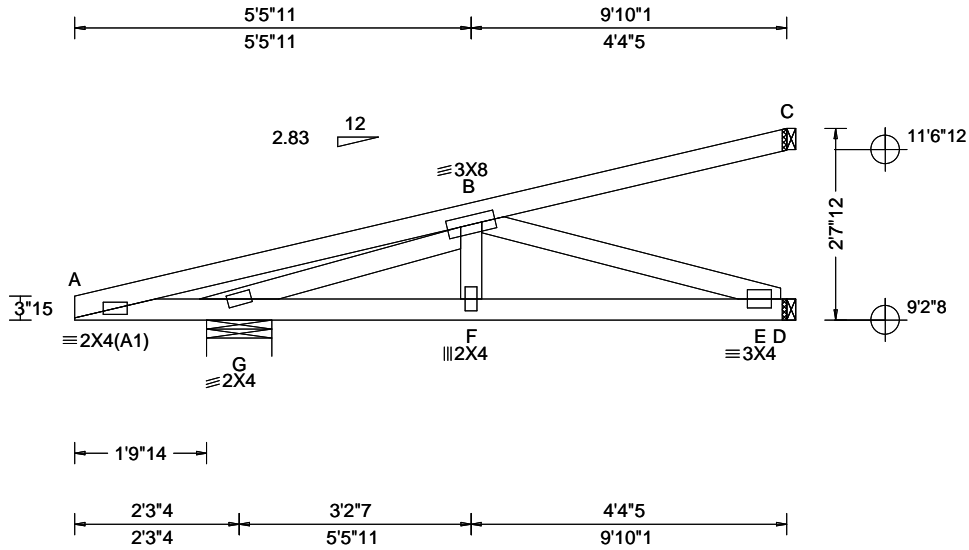
**Additional Notes**  
The overall height of this truss excluding overhang is 1-7-0.



COA #0 278  
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<b>Loading Criteria (psf)</b> TCLL: 20.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft 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): 0.014 F 999 240 VERT(CL): 0.020 F 999 180 HORZ(LL): 0.003 E - - HORZ(TL): 0.005 E - - Creep Factor: 2.0 Max TC CSI: 0.353 Max BC CSI: 0.272 Max Web CSI: 0.255  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL G 453 /- /- /- /150 /- D 195 /- /- /7 /64 /- C 49 /- /- /1 /21 /- Wind reactions based on MWFRS G Brg Wid = 10.8 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing G is a rigid surface. Members not listed have forces less than 375# <b>Maximum Bot Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. G - F 390 -222 F - E 394 -223
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**Lumber**

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

**Special Loads**

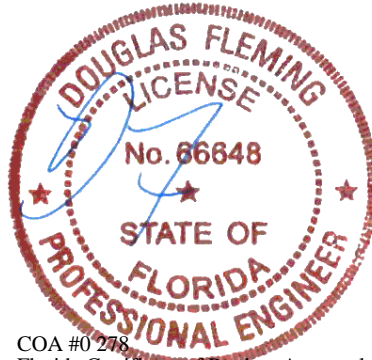
----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 2 plf at 0.00 to 2 plf at 9.84  
BC: From 2 plf at 0.00 to 2 plf at 9.84  
TC: 45 lb Conc. Load at 0.06  
TC: 69 lb Conc. Load at 1.38  
TC: -15 lb Conc. Load at 4.21  
TC: 178 lb Conc. Load at 7.03  
BC: 39 lb Conc. Load at 1.38  
BC: -17 lb Conc. Load at 4.21  
BC: 80 lb Conc. Load at 7.03

**Wind**

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

**Additional Notes**

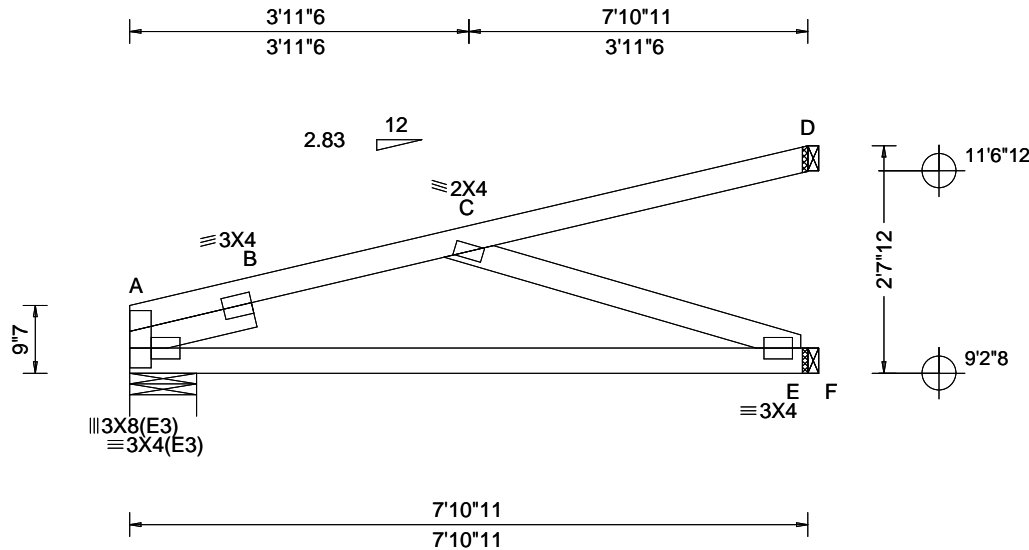
The overall height of this truss excluding overhang is 2-7-12.



COA #0 278  
Florida Certificate of Product Approval #FL1999  
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<b>Loading Criteria (psf)</b> TCLL: 20.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft 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): 0.012 C 999 240 VERT(CL): 0.030 B 999 180 HORZ(LL): 0.006 B - - HORZ(TL): 0.014 B - - Creep Factor: 2.0 Max TC CSI: 0.542 Max BC CSI: 0.668 Max Web CSI: 0.303  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL A 279 -/- /- /- /81 -/ E 236 -/- /- /- /60 -/ D 75 -/- /- /- /15 -/ Wind reactions based on MWFRS A Brg Wid = 9.3 Min Req = 1.5 (Truss) E Brg Wid = 1.5 Min Req = - D Brg Wid = 1.5 Min Req = - Bearing A 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 198 -762 B - C 196 -520  <b>Maximum Bot Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. A - F 495 -181  <b>Maximum Web Forces Per Ply (lbs)</b> Webs Tens.Comp. C - F 193 -526
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**Lumber**

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

**Special Loads**

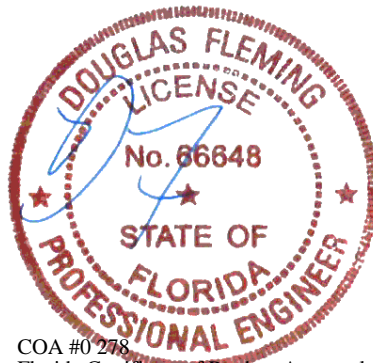
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 2 plf at 0.00 to 2 plf at 7.89  
BC: From 2 plf at 0.00 to 2 plf at 7.89  
TC: 50 lb Conc. Load at 2.26  
TC: 218 lb Conc. Load at 5.09  
BC: 23 lb Conc. Load at 2.26  
BC: 112 lb Conc. Load at 5.09

**Wind**

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

**Additional Notes**

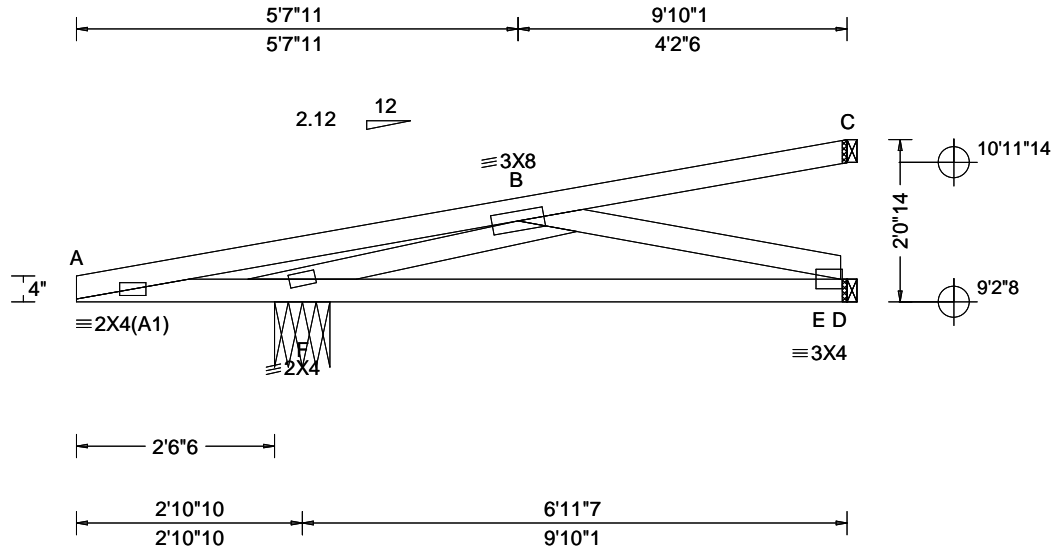
The overall height of this truss excluding overhang is 2-7-12.



COA #0 278  
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<b>Loading Criteria (psf)</b> TCLL: 20.00 TCCL: 15.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 4.2 psf BCDL: 3.0 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): 0.010 B 999 240 VERT(CL): 0.012 B 999 180 HORZ(LL): 0.003 B - - HORZ(TL): 0.004 E - - Creep Factor: 2.0 Max TC CSI: 0.352 Max BC CSI: 0.533 Max Web CSI: 0.257 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>F</td> <td>490</td> <td>-</td> <td>-</td> <td>-</td> <td>/46</td> <td>-</td> </tr> <tr> <td>D</td> <td>159</td> <td>-</td> <td>-</td> <td>-</td> <td>/12</td> <td>-</td> </tr> <tr> <td>C</td> <td>44</td> <td>-</td> <td>-</td> <td>-</td> <td>/18</td> <td>-</td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	F	490	-	-	-	/46	-	D	159	-	-	-	/12	-	C	44	-	-	-	/18	-
				Loc		Gravity			Non-Gravity																													
R+	/R-	/Rh	/Rw		/U	/RL																																
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D	159	-	-	-	/12	-																																
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<b>Wind reactions based on MWFRS</b> F Brg Wid = 8.5 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing F is a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> <table border="1"> <thead> <tr> <th>Chords</th> <th>Tens.</th> <th>Comp.</th> </tr> </thead> <tbody> <tr> <td>A - B</td> <td>733</td> <td>-97</td> </tr> </tbody> </table>				Chords	Tens.	Comp.	A - B	733	-97	<b>Maximum Bot Chord Forces Per Ply (lbs)</b> <table border="1"> <thead> <tr> <th>Chords</th> <th>Tens.</th> <th>Comp.</th> </tr> </thead> <tbody> <tr> <td>A - F</td> <td>93</td> <td>-716</td> </tr> </tbody> </table>	Chords	Tens.	Comp.	A - F	93	-716																						
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A - B	733	-97																																				
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<b>Maximum Web Forces Per Ply (lbs)</b> <table border="1"> <thead> <tr> <th>Webs</th> <th>Tens.</th> <th>Comp.</th> </tr> </thead> <tbody> <tr> <td>F - B</td> <td>185</td> <td>-812</td> </tr> </tbody> </table>				Webs	Tens.	Comp.	F - B	185	-812																													
Webs	Tens.	Comp.																																				
F - B	185	-812																																				

**Lumber**

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

**Special Loads**

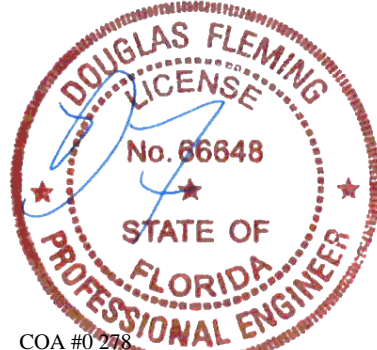
----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
 TC: From 2 plf at 0.00 to 2 plf at 9.84  
 BC: From 20 plf at 0.00 to 20 plf at 4.21  
 BC: From 2 plf at 4.21 to 2 plf at 9.84  
 TC: 156 lb Conc. Load at 0.00  
 TC: 29 lb Conc. Load at 4.21  
 TC: 163 lb Conc. Load at 7.03  
 BC: -2 lb Conc. Load at 4.21  
 BC: 89 lb Conc. Load at 7.03

**Wind**

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

**Additional Notes**

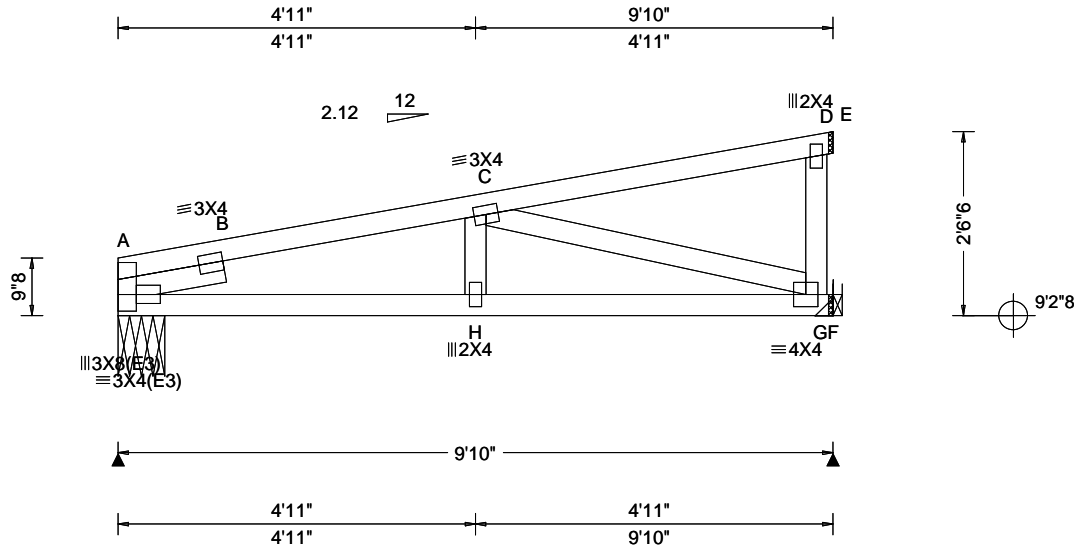
The overall height of this truss excluding overhang is 2-0-14.



COA #0 278  
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<b>Loading Criteria (psf)</b> TCLL: 20.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft 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): 0.045 H 999 240 VERT(CL): 0.082 H 999 180 HORZ(LL): 0.010 G - - HORZ(TL): 0.016 B - - Creep Factor: 2.0 Max TC CSI: 0.850 Max BC CSI: 0.734 Max Web CSI: 0.457 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>A</td> <td>344</td> <td>-</td> <td>-</td> <td>-</td> <td>/225</td> <td>-</td> </tr> <tr> <td>F</td> <td>506</td> <td>-</td> <td>-</td> <td>-</td> <td>/161</td> <td>-</td> </tr> </tbody> </table> Wind reactions based on MWFRS A Brg Wid = 7.7 Min Req = 1.5 (Truss) F Brg Wid = - Min Req = - Bearing A 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>A - B</td> <td>427 - 1029</td> <td>B - C</td> <td>424 - 1020</td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	A	344	-	-	-	/225	-	F	506	-	-	-	/161	-	Chords	Tens.Comp.	Chords	Tens. Comp.	A - B	427 - 1029	B - C	424 - 1020
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A - B	427 - 1029	B - C	424 - 1020																																				

**Lumber**

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

**Special Loads**

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
 TC: From 2 plf at 0.00 to 2 plf at 9.83  
 BC: From 2 plf at 0.00 to 2 plf at 9.83  
 TC: 40 lb Conc. Load at 1.61  
 TC: -27 lb Conc. Load at 1.61  
 TC: 177 lb Conc. Load at 4.44  
 TC: 317 lb Conc. Load at 7.27  
 BC: 23 lb Conc. Load at 1.61  
 BC: -27 lb Conc. Load at 1.61  
 BC: 82 lb Conc. Load at 4.44  
 BC: 175 lb Conc. Load at 7.27

**Hangers / Ties**

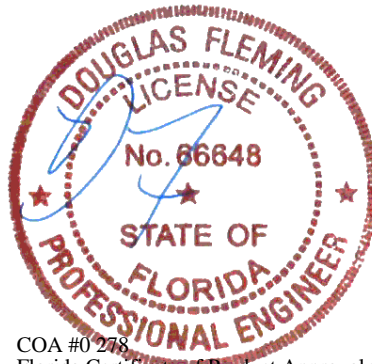
Hanger Support Required, by others

**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**

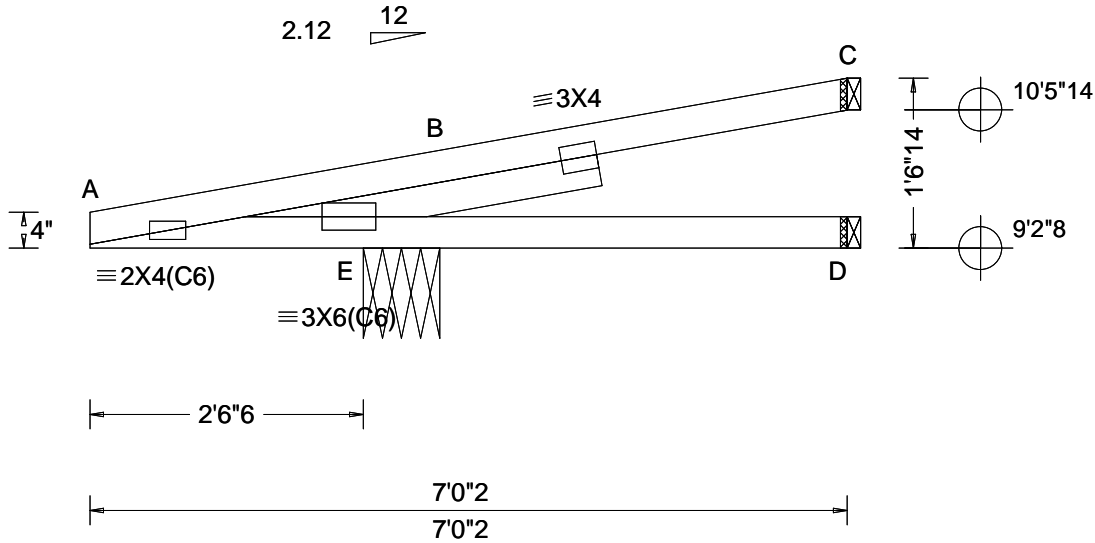
The overall height of this truss excluding overhang is 2-6-6.



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**Lumber**

Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Lt Slider: 2x4 SP #3; block length = 3.300'

**Special Loads**

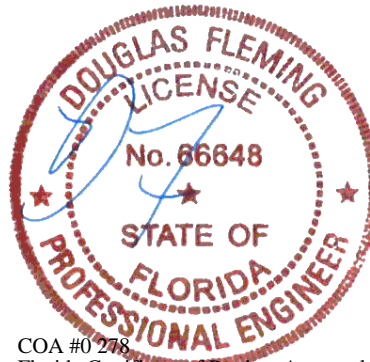
----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 2 plf at 0.00 to 2 plf at 7.01  
BC: From 2 plf at 0.00 to 2 plf at 7.01  
TC: 75 lb Conc. Load at -0.00  
TC: 29 lb Conc. Load at 4.21  
BC: -2 lb Conc. Load at 4.21

**Wind**

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

**Additional Notes**

The overall height of this truss excluding overhang is 1-6-14.

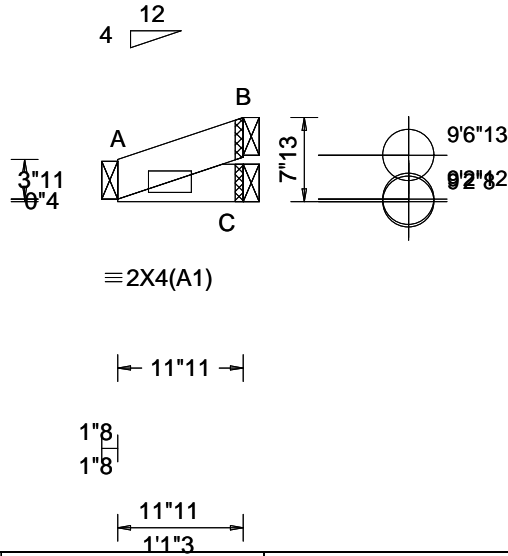


COA #0 278  
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SEQN: 704889 FROM: RFG	JACK Ply: 1 Qty: 6	Job Number: 25-3040 ANDERSON PROJECT Truss Label: J1	Cust: R215 JRef: 1YGX2150009 T36 DrwNo: 019.26.1558.18350 NW / DF 01/19/2026
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<b>Loading Criteria (psf)</b> TCCL: 20.00 TCCL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 4.2 psf BCDL: 3.0 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 A - - HORZ(TL): 0.000 A - - Creep Factor: 2.0 Max TC CSI: 0.029 Max BC CSI: 0.009 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
				A 45 /- /- /27 /9 /13 C 19 /- /- /10 /- /- B 34 /- /- /18 /17 /- Wind reactions based on MWFRS A Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - B Brg Wid = 1.5 Min Req = - Members not listed have forces less than 375#

**Lumber**

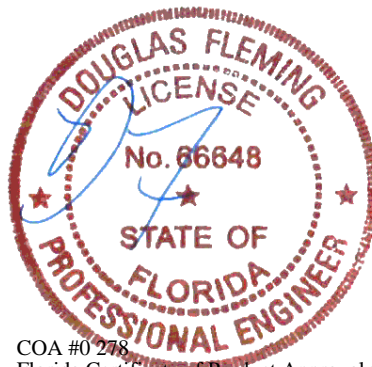
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

**Wind**

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

**Additional Notes**

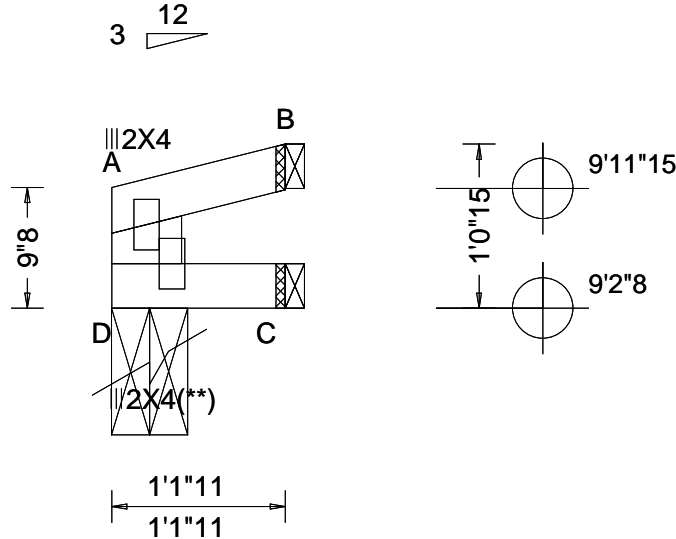
The overall height of this truss excluding overhang is 0-7-13.



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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: 15.00	Speed: 140 mph	Pf: NA Ce: NA	VERT(LL): 0.000 A 999 240	D	52	/-	/-	/30	/15	/-
BCLL: 0.00	Enclosure: Enclosed	Lu: NA Cs: NA	VERT(CL): 0.000 A 999 180	C	23	/-	/-	/11	/-	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 A - - -	B	40	/-	/-	/18	/17	/11
Des Ld: 45.00	EXP: C Kzt: NA	Building Code:	HORZ(TL): 0.000 A - - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 15.00 ft	FBC 8th Ed. 2023 Res.	Creep Factor: 2.0	D Brg Wid = 6.0 Min Req = 1.5 (Truss)						
Soffit: 2.00	TCDL: 4.2 psf	TPI Std: 2014	Max TC CSI: 0.040	C Brg Wid = 1.5 Min Req = -						
Load Duration: 1.25	BCDL: 3.0 psf	Rep Fac: Yes	Max BC CSI: 0.012	B 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: 0.011	Bearing D 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								
	GCp: 0.18									
	Wind Duration: 1.60									

**Lumber**

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

**Plating Notes**

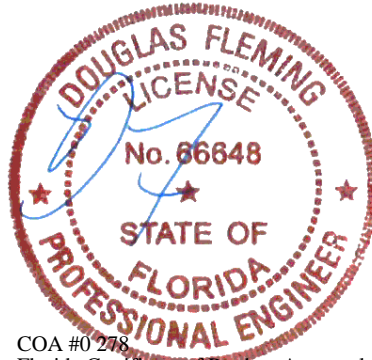
(\*\*) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

**Wind**

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

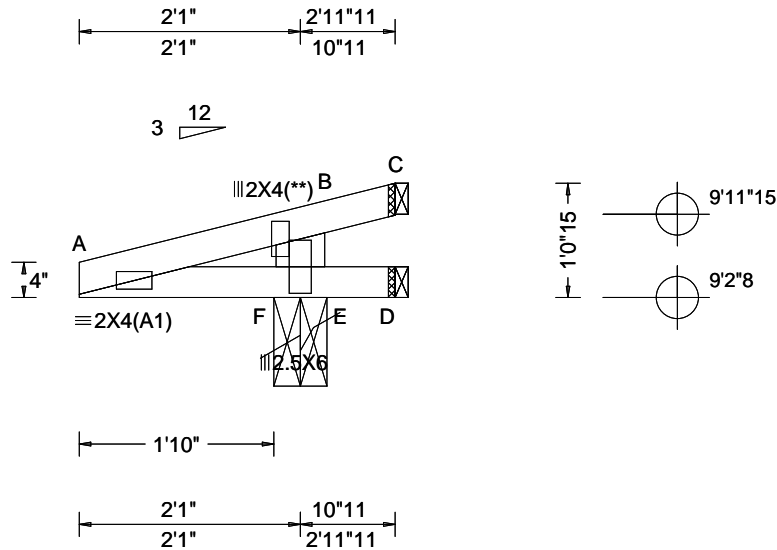
**Additional Notes**

The overall height of this truss excluding overhang is 1-0-15.



COA #0 278  
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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: 15.00	Speed: 140 mph	Pf: NA Ce: NA	VERT(LL): 0.000 B 999 240	F	607	/-	/-	/303	/236	/26
BCLL: 0.00	Enclosure: Enclosed	Lu: NA Cs: NA	VERT(CL): 0.000 B 999 180	D	-	/-166	/-	/81	/89	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.007 C - -	C	-	/-182	/-	/67	/83	/-
Des Ld: 45.00	EXP: C Kzt: NA	Building Code:	HORZ(TL): 0.015 C - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 15.00 ft	FBC 8th Ed. 2023 Res.	Creep Factor: 2.0	F Brg Wid = 6.0 Min Req = 1.5 (Truss)						
Soffit: 2.00	TCDL: 4.2 psf	TPI Std: 2014	Max TC CSI: 0.265	D Brg Wid = 1.5 Min Req = -						
Load Duration: 1.25	BCDL: 3.0 psf	Rep Fac: Yes	Max BC CSI: 0.233	C Brg Wid = 1.5 Min Req = -						
Spacing: 24.0 "	MWFRS Parallel Dist: > 2h	FT/RT:20(0)/10(0)	Max Web CSI: 0.090	Bearing F is a rigid surface.						
	C&C Dist a: 3.00 ft	Plate Type(s):	VIEW Ver: 24.02.00D.0114.10	<b>Members not listed have forces less than 375#</b>						
	Loc. from endwall: not in 9.00 ft	WAVE		<b>Maximum Web Forces Per Ply (lbs)</b>						
	GCp: 0.18			Webs	Tens.Comp.					
	Wind Duration: 1.60			B - E	532	-362				

**Lumber**

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

**Plating Notes**

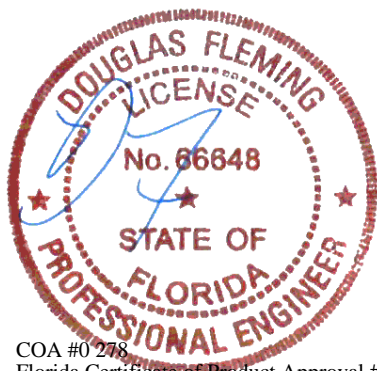
(\*\*) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

**Wind**

Wind loads based on MWFRS with additional C&C member design.  
Left cantilever is exposed to wind  
Wind loading based on both gable and hip roof types.

**Additional Notes**

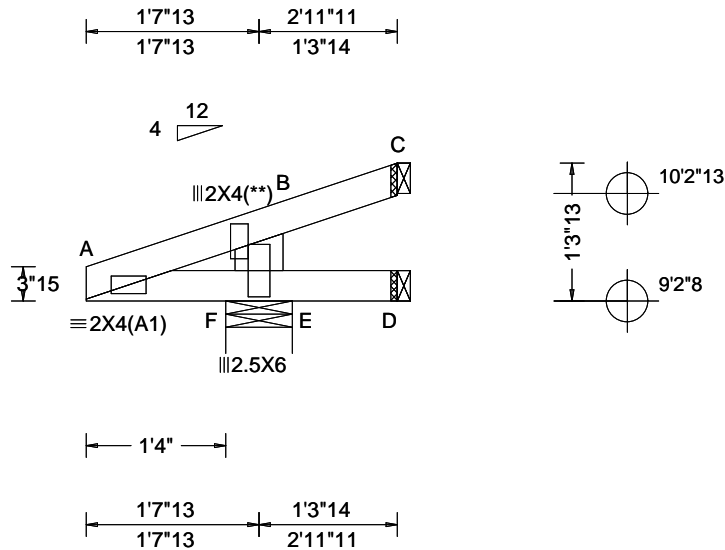
Negative reaction(s) of -182# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.  
The overall height of this truss excluding overhang is 1-0-15.



COA #0276  
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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: 15.00	Speed: 140 mph	Pf: NA Ce: NA	VERT(LL): 0.000 B 999 240	F	432	/-	/-	/192	/125	/40
BCLL: 0.00	Enclosure: Enclosed	Lu: NA Cs: NA	VERT(CL): 0.000 B 999 180	D	-	/-79	/-	/26	/30	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.006 C - -	C	-	/-78	/-	/16	/29	/-
Des Ld: 45.00	EXP: C Kzt: NA	Building Code:	HORZ(TL): 0.014 C - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 15.00 ft	FBC 8th Ed. 2023 Res.	Creep Factor: 2.0	F Brg Wid = 7.6 Min Req = 1.5 (Truss)						
Soffit: 2.00	TCDL: 4.2 psf	TPI Std: 2014	Max TC CSI: 0.233	D Brg Wid = 1.5 Min Req = -						
Load Duration: 1.25	BCDL: 3.0 psf	Rep Fac: Varies by Ld Case	Max BC CSI: 0.215	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: 0.060	Bearing F is a rigid surface.						
	Loc. from endwall: Any	Plate Type(s):	VIEW Ver: 24.02.00D.0114.10	Members not listed have forces less than 375#						
	GCp1: 0.18	WAVE		<b>Maximum Web Forces Per Ply (lbs)</b>						
	Wind Duration: 1.60			Webs	Tens.Comp.					

**Lumber**

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

**Special Loads**

----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 72 plf at 0.00 to 72 plf at 2.97  
BC: From 20 plf at 0.00 to 20 plf at 2.97  
TC: 23 lb Conc. Load at 0.06

**Plating Notes**

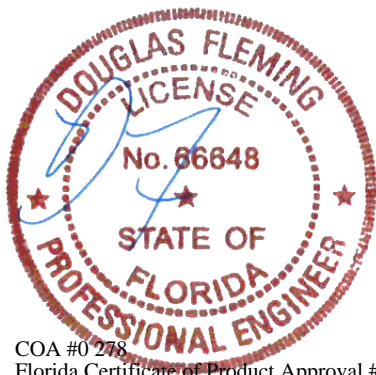
(\*\*) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

**Wind**

Wind loads based on MWFRS with additional C&C member design.  
Left cantilever is exposed to wind  
Wind loading based on both gable and hip roof types.

**Additional Notes**

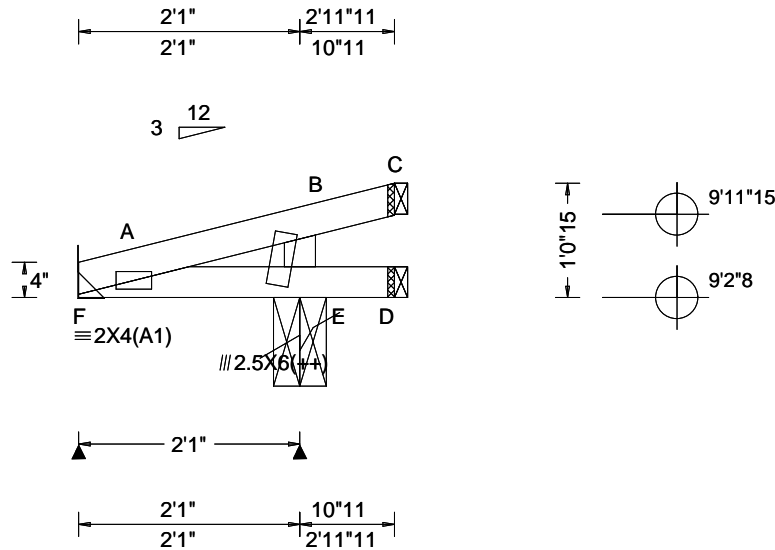
The overall height of this truss excluding overhang is 1-3-13.



COA #0 278  
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01/19/2026

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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: 15.00	Speed: 140 mph	Pf: NA Ce: NA	VERT(LL): 0.002 A 999 240	F	94	/-	/-	/53	/20	/30
BCLL: 0.00	Enclosure: Enclosed	Lu: NA Cs: NA	VERT(CL): 0.003 A 999 180	E	182	/-	/-	/105	/59	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 A - -	D	-	/-10	/-	/6	/3	/-
Des Ld: 45.00	EXP: C Kzt: NA	Building Code:	HORZ(TL): 0.001 A - -	C	14	/-9	/-	/0	/4	/-
NCBCLL: 10.00	Mean Height: 15.00 ft	FBC 8th Ed. 2023 Res.	Creep Factor: 2.0	Wind reactions based on MWFRS						
Soffit: 2.00	TCDL: 4.2 psf	TPI Std: 2014	Max TC CSI: 0.058	F	Brg Wid = -	Min Req = -				
Load Duration: 1.25	BCDL: 3.0 psf	Rep Fac: Yes	Max BC CSI: 0.060	E	Brg Wid = 6.0	Min Req = 1.5 (Truss)				
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	FT/RT:20(0)/10(0)	Max Web CSI: 0.081	D	Brg Wid = 1.5	Min Req = -				
	C&C Dist a: 3.00 ft	Plate Type(s):	VIEW Ver: 24.02.00D.0114.10	C	Brg Wid = 1.5	Min Req = -				
	Loc. from endwall: Any	WAVE		Bearing E is a rigid surface.						
	GCp: 0.18			Members not listed have forces less than 375#						
	Wind Duration: 1.60									

**Lumber**

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

**Plating Notes**

(++) - This plate works for both joints covered.

**Hangers / Ties**

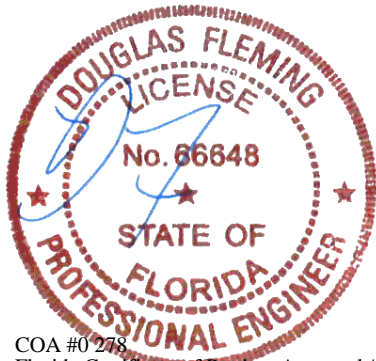
Hanger Support Required, by others

**Wind**

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

**Additional Notes**

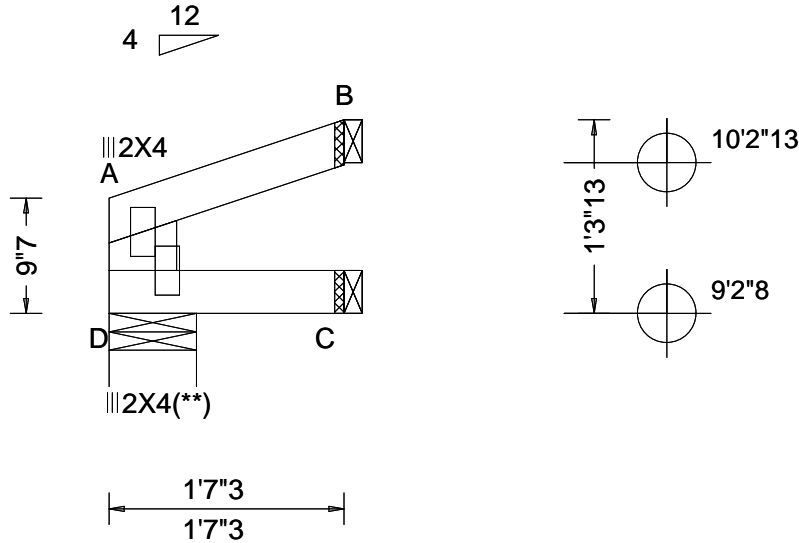
The overall height of this truss excluding overhang is 1-0-15.



COA #0248  
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<b>Loading Criteria (psf)</b> TCLL: 20.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft 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): 0.000 A 999 240 VERT(CL): 0.000 A 999 180 HORZ(LL): 0.000 A - - HORZ(TL): 0.000 A - - Creep Factor: 2.0 Max TC CSI: 0.085 Max BC CSI: 0.025 Max Web CSI: 0.017  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D 73 /- /- /46 /23 /- C 32 /- /- /16 /- /- B 57 /- /- /29 /22 /21 Wind reactions based on MWFRS D Brg Wid = 7.1 Min Req = 1.5 (Truss) C Brg Wid = 1.5 Min Req = - B Brg Wid = 1.5 Min Req = - Bearing D 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: 2x6 SP #2;

**Plating Notes**

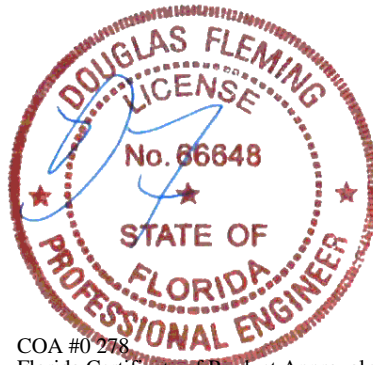
(\*\*) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

**Wind**

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

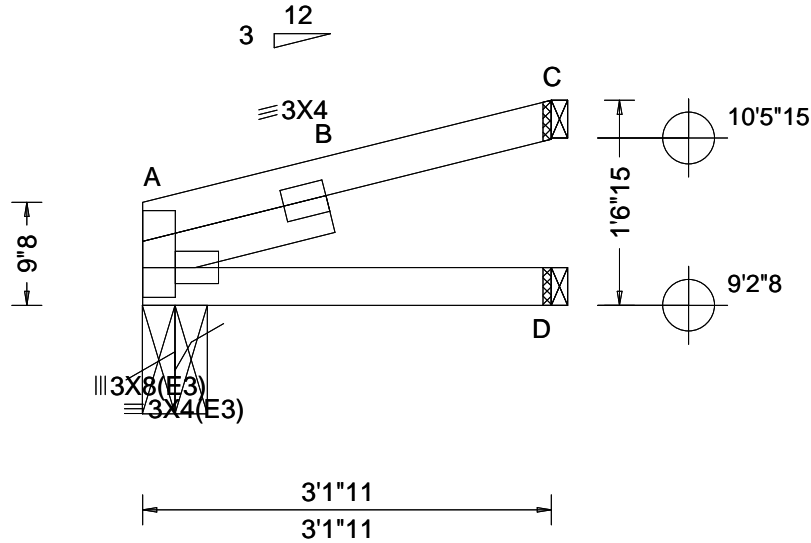
**Additional Notes**

The overall height of this truss excluding overhang is 1-3-13.



COA #0 278  
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01/19/2026

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<b>Loading Criteria (psf)</b> TCCL: 20.00 TCDL: 15.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 4.2 psf BCDL: 3.0 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: 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): 0.005 B - - HORZ(TL): 0.010 B - - Creep Factor: 2.0 Max TC CSI: 0.274 Max BC CSI: 0.102 Max Web CSI: 0.056 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>A</td> <td>143</td> <td>/-</td> <td>/-</td> <td>/82</td> <td>/32</td> <td>/32</td> </tr> <tr> <td>D</td> <td>61</td> <td>/-</td> <td>/-</td> <td>/32</td> <td>/-</td> <td>/-</td> </tr> <tr> <td>C</td> <td>108</td> <td>/-</td> <td>/-</td> <td>/50</td> <td>/55</td> <td>/-</td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	A	143	/-	/-	/82	/32	/32	D	61	/-	/-	/32	/-	/-	C	108	/-	/-	/50	/55	/-
				Loc		Gravity			Non-Gravity																													
R+	/R-	/Rh	/Rw		/U	/RL																																
A	143	/-	/-	/82	/32	/32																																
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Wind reactions based on MWFRS A Brg Wid = 6.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#																																						

**Lumber**

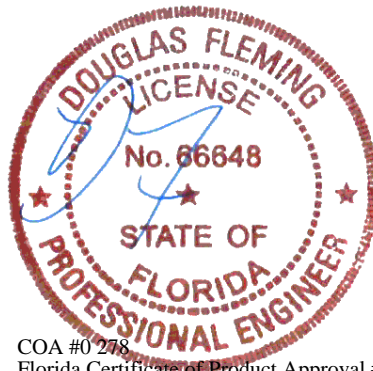
Top chord: 2x4 SP #2;  
 Bot chord: 2x4 SP #2;  
 Lt Slider: 2x4 SP #3; block length = 1.50'

**Wind**

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

**Additional Notes**

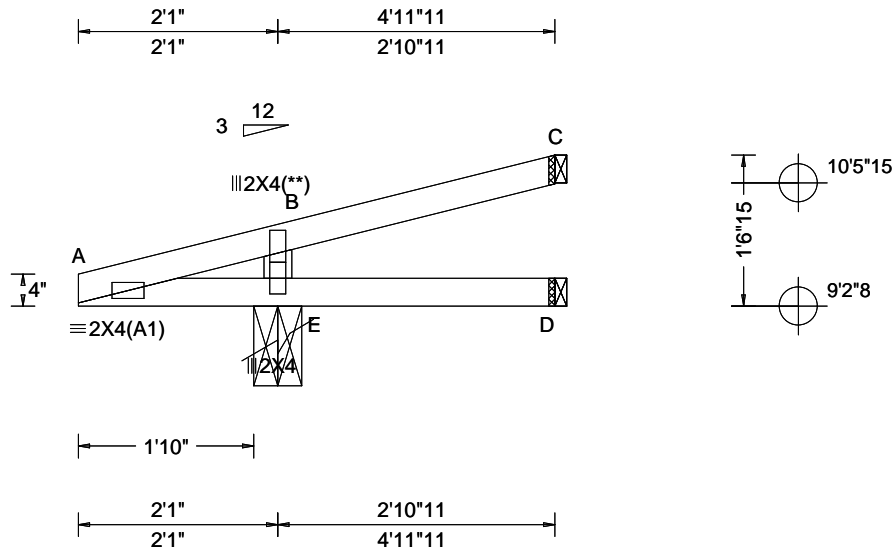
The overall height of this truss excluding overhang is 1-6-15.



COA #0 278  
 Florida Certificate of Product Approval #FL1999  
 01/19/2026

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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: 15.00	Speed: 140 mph	Pf: NA Ce: NA	VERT(LL): 0.000 B 999 240	E	410	/-	/-	/214	/138	/43
BCLL: 0.00	Enclosure: Enclosed	Lu: NA Cs: NA	VERT(CL): 0.000 B 999 180	D	21	/-11	/-	/23	/-	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.008 C - -	C	69	/-1	/-	/34	/24	/-
Des Ld: 45.00	EXP: C Kzt: NA	Building Code:	HORZ(TL): 0.021 C - -	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 = 6.0 Min Req = 1.5 (Truss)						
Soffit: 2.00	TCDL: 4.2 psf	TPI Std: 2014	Max TC CSI: 0.293	D Brg Wid = 1.5 Min Req = -						
Load Duration: 1.25	BCDL: 3.0 psf	Rep Fac: Yes	Max BC CSI: 0.202	C Brg Wid = 1.5 Min Req = -						
Spacing: 24.0 "	MWFRS Parallel Dist: > 2h	FT/RT:20(0)/10(0)	Max Web CSI: 0.145	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 9.00 ft	WAVE		<b>Maximum Web Forces Per Ply (lbs)</b>						
	GCp: 0.18			Webs	Tens.Comp.					
	Wind Duration: 1.60			B - E	414	-284				

**Lumber**

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

**Plating Notes**

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

**Wind**

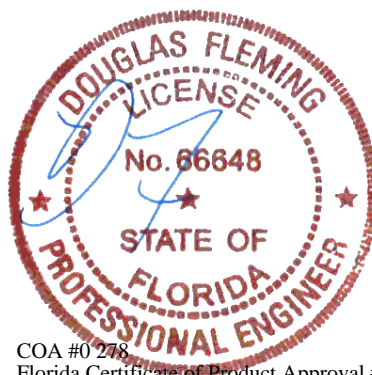
Wind loads based on MWFRS with additional C&C member design.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

**Additional Notes**

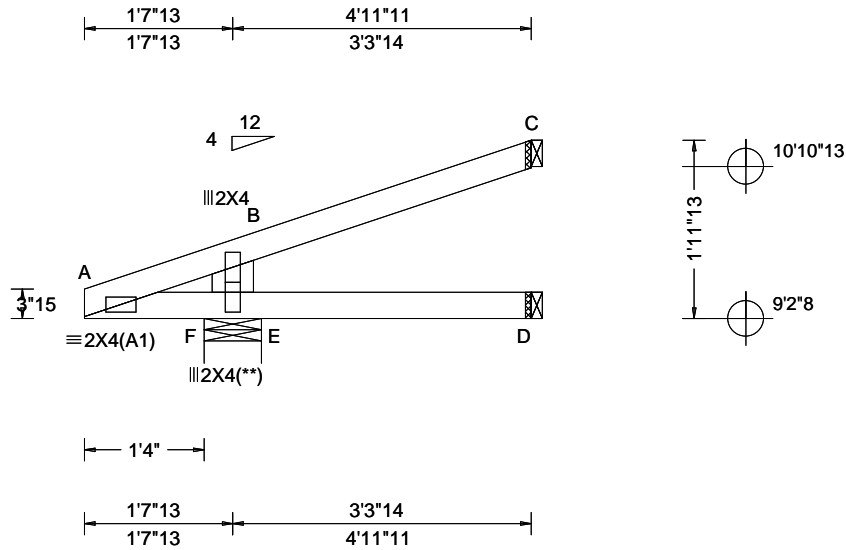
The overall height of this truss excluding overhang is 1-6-15.



COA #0 278  
Florida Certificate of Product Approval #FL1999  
01/19/2026

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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
TCLL: 20.00	Speed: 140 mph	Pf: NA Ce: NA	VERT(LL): 0.000 B 999 240	F	366	/-	/-	/197	/70	/68
TCDL: 15.00	Enclosure: Enclosed	Lu: NA Cs: NA	VERT(CL): 0.000 B 999 180	D	40	/-	/-	/28	/-	/-
BCLL: 0.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.004 C - -	C	89	/-	/-	/49	/52	/-
BCDL: 10.00	EXP: C Kzt: NA	Building Code:	HORZ(TL): 0.014 C - -	Wind reactions based on MWFRS						
Des Ld: 45.00	Mean Height: 15.00 ft	FBC 8th Ed. 2023 Res.	Creep Factor: 2.0	F Brg Wid = 7.6 Min Req = 1.5 (Truss)						
NCBCLL: 10.00	TCDL: 4.2 psf	TPI Std: 2014	Max TC CSI: 0.281	D Brg Wid = 1.5 Min Req = -						
Soffit: 2.00	BCDL: 3.0 psf	Rep Fac: Yes	Max BC CSI: 0.163	C Brg Wid = 1.5 Min Req = -						
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	FT/RT:20(0)/10(0)	Max Web CSI: 0.071	Bearing F is a rigid surface.						
Spacing: 24.0 "	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		<b>Maximum Web Forces Per Ply (lbs)</b>						
	GCp: 0.18			Webs	Tens.Comp.					
	Wind Duration: 1.60			B - E	458	-270				

**Lumber**

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

**Plating Notes**

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

**Wind**

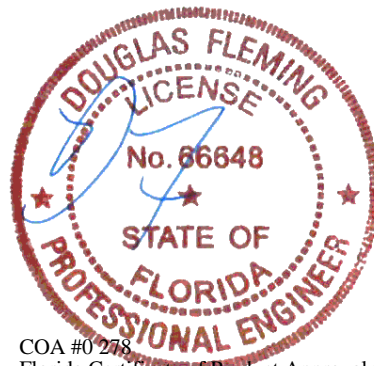
Wind loads based on MWFRS with additional C&C member design.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

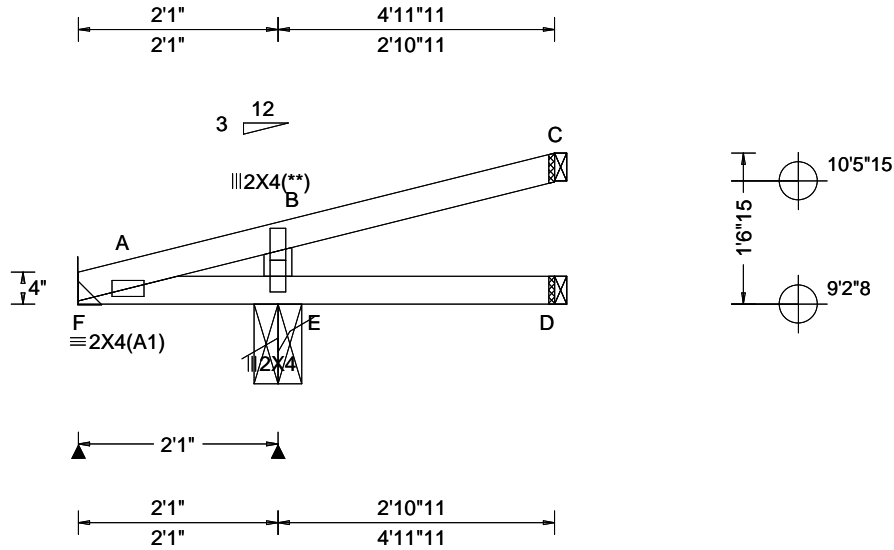
**Additional Notes**

The overall height of this truss excluding overhang is 1-11-13.



COA #0278  
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01/19/2026

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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: 15.00	Speed: 140 mph	Pf: NA Ce: NA	VERT(LL): 0.002 A 999 240	F	86	/-	/-	/43	/9	/51
BCLL: 0.00	Enclosure: Enclosed	Lu: NA Cs: NA	VERT(CL): 0.002 A 999 180	E	275	/-	/-	/158	/90	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 A - -	D	44	/-	/-	/22	/-	/-
Des Ld: 45.00	EXP: C Kzt: NA	Building Code:	HORZ(TL): 0.001 A - -	C	81	/-	/-	/36	/40	/-
NCBCLL: 10.00	Mean Height: 15.00 ft	FBC 8th Ed. 2023 Res.	Creep Factor: 2.0	Wind reactions based on MWFRS						
Soffit: 2.00	TCDL: 4.2 psf	TPI Std: 2014	Max TC CSI: 0.137	F	Brg Wid = -		Min Req = -			
Load Duration: 1.25	BCDL: 3.0 psf	Rep Fac: Yes	Max BC CSI: 0.062	E	Brg Wid = 6.0		Min Req = 1.5 (Truss)			
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	FT/RT:20(0)/10(0)	Max Web CSI: 0.107	D	Brg Wid = 1.5		Min Req = -			
	C&C Dist a: 3.00 ft	Plate Type(s):	VIEW Ver: 24.02.00D.0114.10	C	Brg Wid = 1.5		Min Req = -			
	Loc. from endwall: not in 4.50 ft	WAVE		Bearing E is a rigid surface.						
	GCp: 0.18			Members not listed have forces less than 375#						
	Wind Duration: 1.60									

**Lumber**

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

**Plating Notes**

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

**Hangers / Ties**

Hanger Support Required, by others

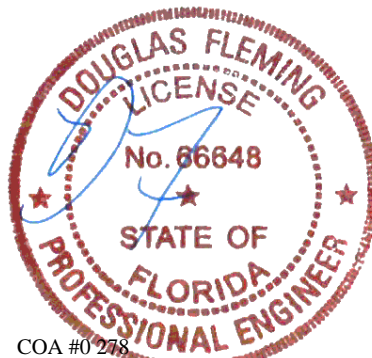
**Wind**

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

Wind loading based on both gable and hip roof types.

**Additional Notes**

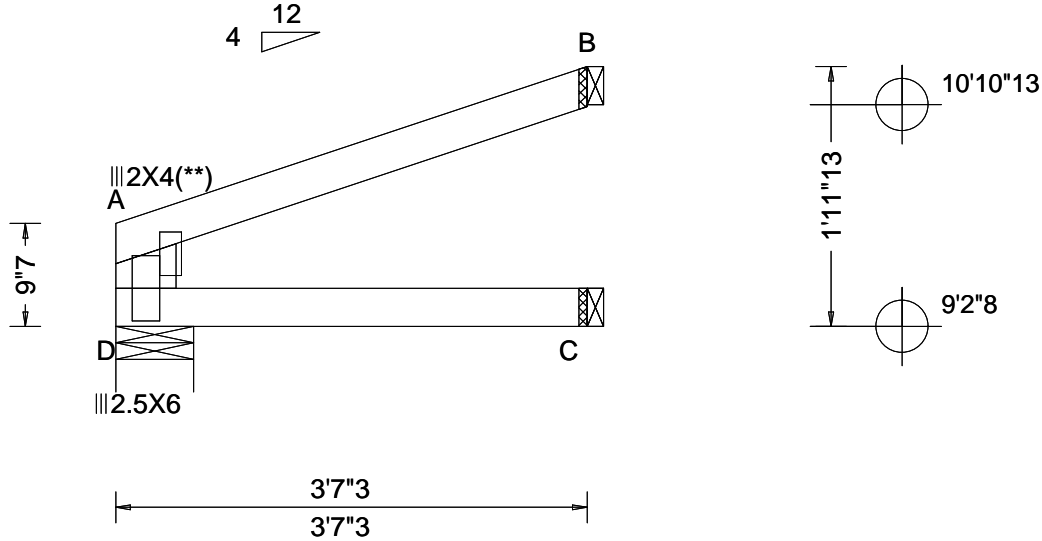
The overall height of this truss excluding overhang is 1-6-15.



COA #0 278  
Florida Certificate of Product Approval #FL1999  
01/19/2026

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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: 15.00	Speed: 140 mph	Pf: NA Ce: NA	VERT(LL): 0.000 A 999 240	D	165	/-	/-	/104	/53	/-
BCLL: 0.00	Enclosure: Enclosed	Lu: NA Cs: NA	VERT(CL): 0.000 A 999 180	C	72	/-	/-	/36	/-	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 A - -	B	129	/-	/-	/66	/50	/49
Des Ld: 45.00	EXP: C Kzt: NA	Building Code:	HORZ(TL): 0.000 A - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 15.00 ft	FBC 8th Ed. 2023 Res.	Creep Factor: 2.0	D Brg Wid = 7.1 Min Req = 1.5 (Truss)						
Soffit: 2.00	TCDL: 4.2 psf	TPI Std: 2014	Max TC CSI: 0.369	C Brg Wid = 1.5 Min Req = -						
Load Duration: 1.25	BCDL: 3.0 psf	Rep Fac: Yes	Max BC CSI: 0.145	B 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: 0.028	Bearing D 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								
	GCp1: 0.18									
	Wind Duration: 1.60									

#### Lumber

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

#### Plating Notes

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

#### Wind

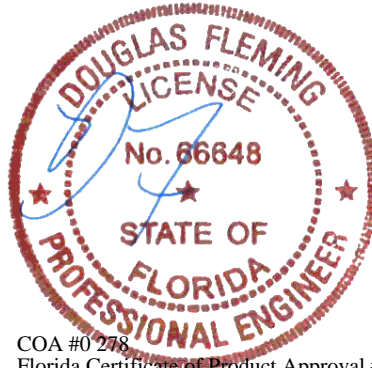
Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

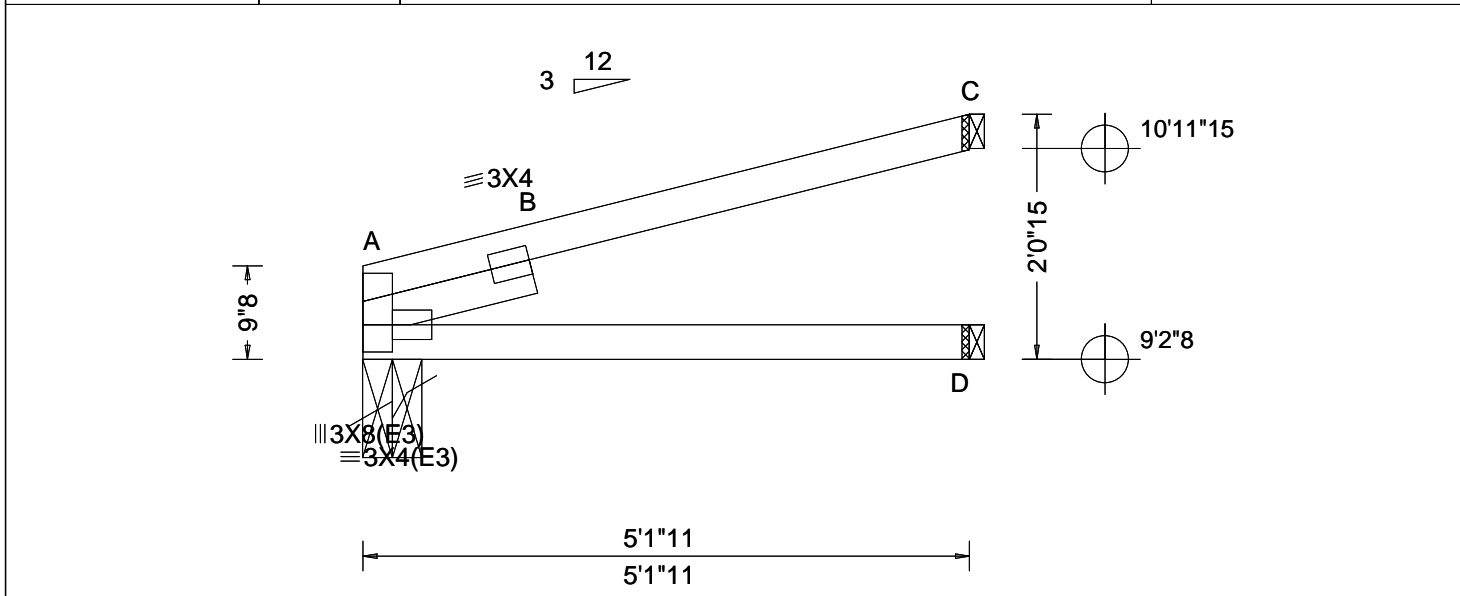
#### Additional Notes

The overall height of this truss excluding overhang is 11-11-13.



COA #0278  
Florida Certificate of Product Approval #FL1999  
01/19/2026

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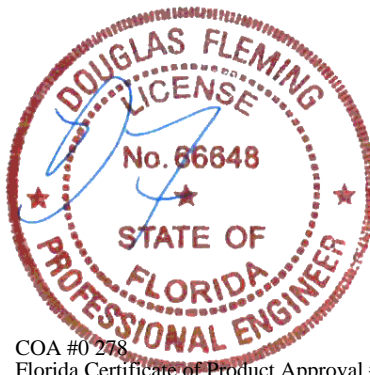


<b>Loading Criteria (psf)</b> TCCL: 20.00 TCDL: 15.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 4.2 psf BCDL: 3.0 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): NA VERT(CL): NA HORZ(LL): 0.020 B - - HORZ(TL): 0.046 B - - Creep Factor: 2.0 Max TC CSI: 0.652 Max BC CSI: 0.300 Max Web CSI: 0.254 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>A</td> <td>234</td> <td>/-</td> <td>/-</td> <td>/134</td> <td>/56</td> <td>/53</td> </tr> <tr> <td>D</td> <td>100</td> <td>/-</td> <td>/-</td> <td>/54</td> <td>/-</td> <td>/-</td> </tr> <tr> <td>C</td> <td>172</td> <td>/-</td> <td>/-</td> <td>/81</td> <td>/85</td> <td>/-</td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	A	234	/-	/-	/134	/56	/53	D	100	/-	/-	/54	/-	/-	C	172	/-	/-	/81	/85	/-
				Loc		Gravity			Non-Gravity																													
R+	/R-	/Rh	/Rw		/U	/RL																																
A	234	/-	/-	/134	/56	/53																																
D	100	/-	/-	/54	/-	/-																																
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Wind reactions based on MWFRS A Brg Wid = 6.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#																																						

**Lumber**  
 Top chord: 2x4 SP #2;  
 Bot chord: 2x4 SP #2;  
 Lt Slider: 2x4 SP #3; block length = 1.50'

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

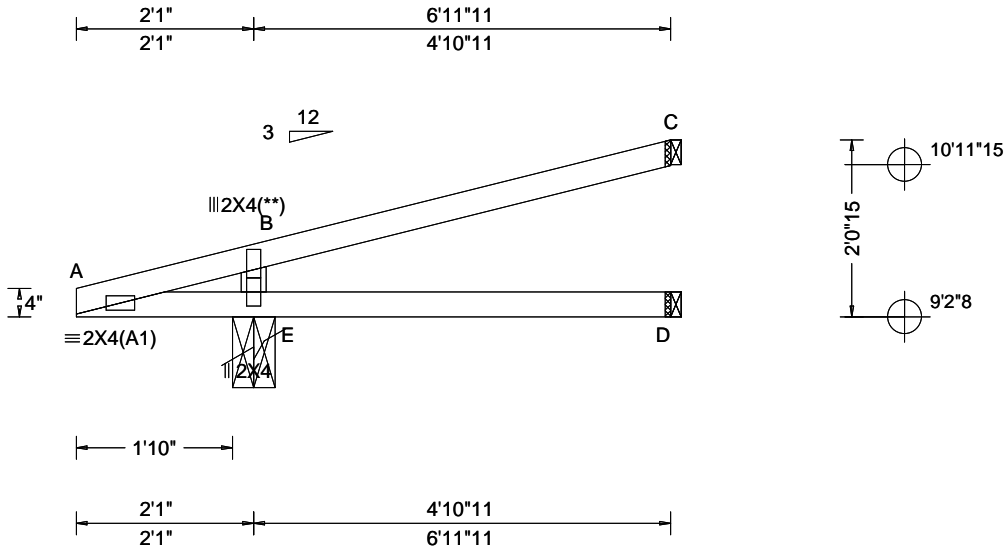
**Additional Notes**  
 The overall height of this truss excluding overhang is 2-0-15.



COA #0 278  
 Florida Certificate of Product Approval #FL1999  
 01/19/2026

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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: 15.00	Speed: 140 mph	Pf: NA Ce: NA	VERT(LL): 0.000 B 999 240	E	466	-	-	/249	/142	/61
BCLL: 0.00	Enclosure: Enclosed	Lu: NA Cs: NA	VERT(CL): 0.000 B 999 180	D	74	-	-	/47	-	-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.003 C - -	C	144	-	-	/69	/54	-
Des Ld: 45.00	EXP: C Kzt: NA	Building Code:	HORZ(TL): 0.018 C - -	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 = 6.0 Min Req = 1.5 (Truss)						
Soffit: 2.00	TCDL: 4.2 psf	TPI Std: 2014	Max TC CSI: 0.420	D Brg Wid = 1.5 Min Req = -						
Load Duration: 1.25	BCDL: 3.0 psf	Rep Fac: Yes	Max BC CSI: 0.234	C Brg Wid = 1.5 Min Req = -						
Spacing: 24.0 "	MWFRS Parallel Dist: > 2h	FT/RT:20(0)/10(0)	Max Web CSI: 0.168	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 9.00 ft	WAVE		<b>Maximum Web Forces Per Ply (lbs)</b>						
	GCpi: 0.18			Webs	Tens.Comp.					
	Wind Duration: 1.60			B - E	465	-359				

**Lumber**

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

**Plating Notes**

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

**Wind**

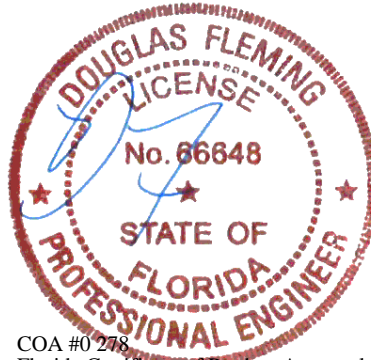
Wind loads based on MWFRS with additional C&C member design.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

**Additional Notes**

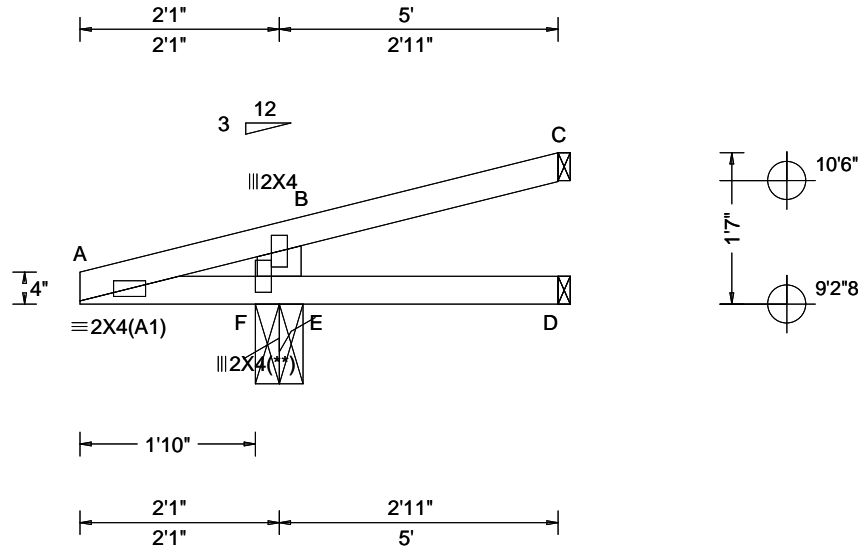
The overall height of this truss excluding overhang is 2-0-15.



COA #0 278  
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01/19/2026

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)																																		
TCLL: 20.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft 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): -0.008 C - - HORZ(TL): 0.021 C - - Creep Factor: 2.0 Max TC CSI: 0.312 Max BC CSI: 0.218 Max Web CSI: 0.073 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>F</td> <td>423</td> <td>/-</td> <td>/-</td> <td>/220</td> <td>/142</td> <td>/51</td> </tr> <tr> <td>D</td> <td>17</td> <td>/-16</td> <td>/-</td> <td>/24</td> <td>/-</td> <td>/-</td> </tr> <tr> <td>C</td> <td>64</td> <td>/-6</td> <td>/-</td> <td>/32</td> <td>/37</td> <td>/-</td> </tr> </tbody> </table> Wind reactions based on MWFRS F Brg Wid = 6.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing F is a rigid surface. Members not listed have forces less than 375# <b>Maximum Web Forces Per Ply (lbs)</b> Webs Tens.Comp.	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	F	423	/-	/-	/220	/142	/51	D	17	/-16	/-	/24	/-	/-	C	64	/-6	/-	/32	/37	/-
Loc	Gravity			Non-Gravity																																		
	R+	/R-	/Rh	/Rw	/U	/RL																																
F	423	/-	/-	/220	/142	/51																																
D	17	/-16	/-	/24	/-	/-																																
C	64	/-6	/-	/32	/37	/-																																

**Lumber**

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

**Plating Notes**

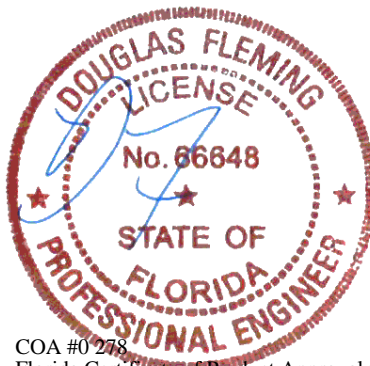
(\*\*) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

**Wind**

Wind loads based on MWFRS with additional C&C member design.  
 Left cantilever is exposed to wind  
 Wind loading based on both gable and hip roof types.

**Additional Notes**

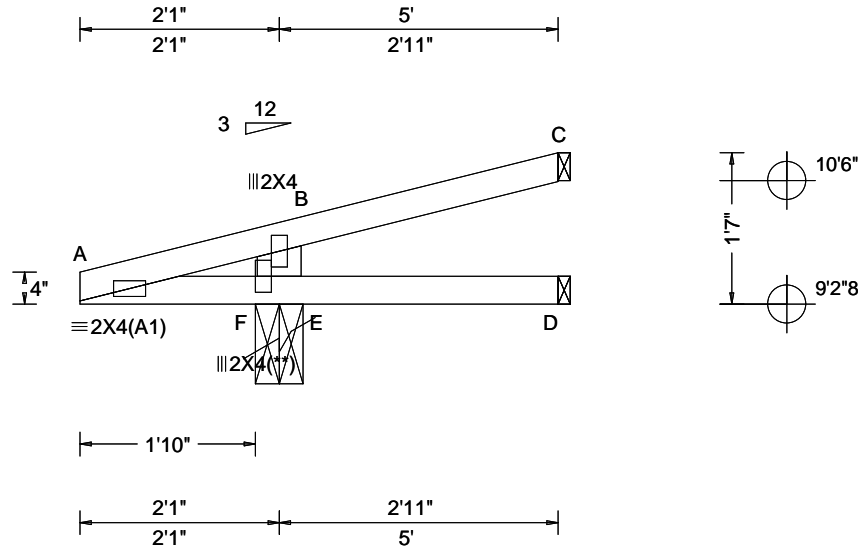
The overall height of this truss excluding overhang is 1-7-0.



COA #0278  
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<b>Loading Criteria (psf)</b> TCLL: 20.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft 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): 0.000 B 999 240 VERT(CL): 0.000 B 999 180 HORZ(LL): -0.015 C - - HORZ(TL): 0.036 C - - Creep Factor: 2.0 Max TC CSI: 0.505 Max BC CSI: 0.394 Max Web CSI: 0.039  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL F 527 /- /- /- /145 /- D 17 /-40 /- /21 /- /- C 41 /-30 /- /- /20 /- Wind reactions based on MWFRS F Brg Wid = 6.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing F is a rigid surface. Members not listed have forces less than 375#
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**Lumber**

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

**Special Loads**

----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 71 plf at 0.00 to 71 plf at 5.00  
BC: From 20 plf at 0.00 to 20 plf at 5.00  
TC: 56 lb Conc. Load at -0.00

**Plating Notes**

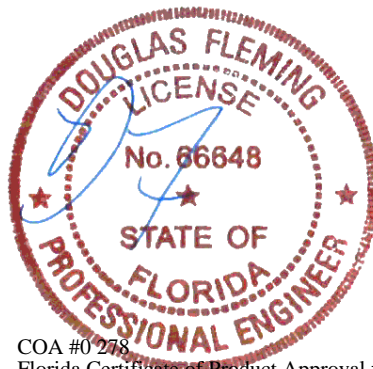
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**Wind**

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

**Additional Notes**

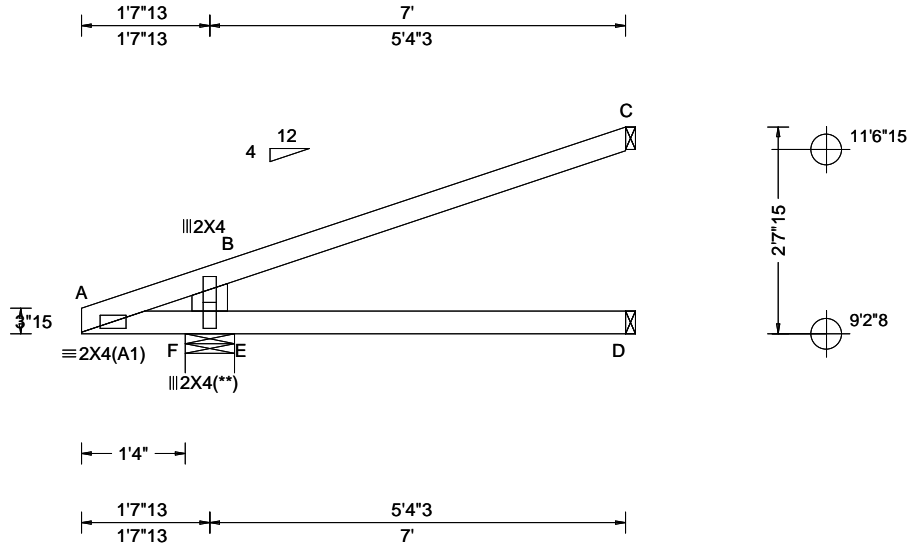
The overall height of this truss excluding overhang is 1-7-0.



COA #0 278  
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)																																		
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Loc	Gravity			Non-Gravity																																		
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F	438	/-	/-	/240	/89	/95																																
D	88	/-	/-	/53	/-	/-																																
C	161	/-	/-	/89	/86	/-																																

**Lumber**

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

**Plating Notes**

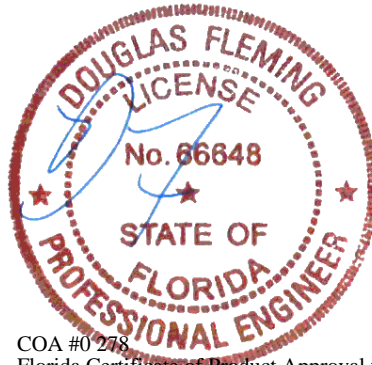
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**Wind**

Wind loads based on MWFRS with additional C&C member design.  
 Left cantilever is exposed to wind  
 Wind loading based on both gable and hip roof types.

**Additional Notes**

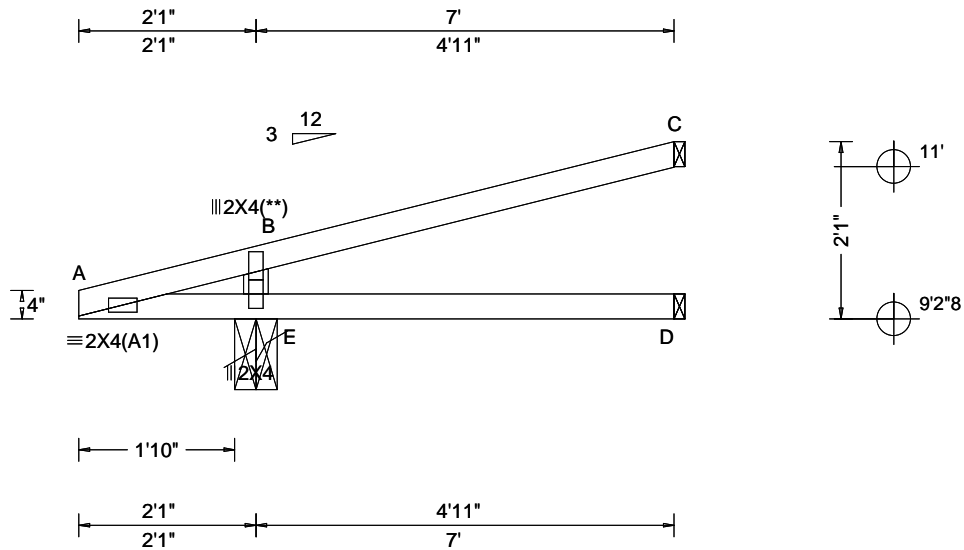
The overall height of this truss excluding overhang is 2-7-15.



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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)																									
TCCL: 20.00 TCDL: 15.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft 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): 0.000 B 999 240 VERT(CL): 0.000 B 999 180 HORZ(LL): -0.003 C - - HORZ(TL): 0.018 C - - Creep Factor: 2.0 Max TC CSI: 0.424 Max BC CSI: 0.234 Max Web CSI: 0.169 VIEW Ver: 24.02.00D.0114.10	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>Loc</th> <th>R+ / R-</th> <th>/ Rh</th> <th>/ Rw</th> <th>/ U / RL</th> </tr> </thead> <tbody> <tr> <td>E</td> <td>467</td> <td>- / -</td> <td>/249</td> <td>/142 /72</td> </tr> <tr> <td>D</td> <td>75</td> <td>- / -</td> <td>/47</td> <td>- / -</td> </tr> <tr> <td>C</td> <td>145</td> <td>- / -</td> <td>/69</td> <td>/74 -</td> </tr> </tbody> </table> Wind reactions based on MWFRS E Brg Wid = 6.0 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# <b>Maximum Web Forces Per Ply (lbs)</b> Webs Tens.Comp.	Gravity		Non-Gravity			Loc	R+ / R-	/ Rh	/ Rw	/ U / RL	E	467	- / -	/249	/142 /72	D	75	- / -	/47	- / -	C	145	- / -	/69	/74 -
Gravity		Non-Gravity																											
Loc	R+ / R-	/ Rh	/ Rw	/ U / RL																									
E	467	- / -	/249	/142 /72																									
D	75	- / -	/47	- / -																									
C	145	- / -	/69	/74 -																									

**Lumber**

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

**Plating Notes**

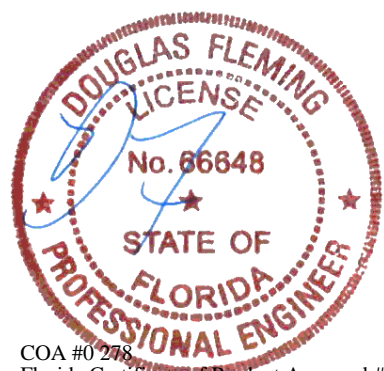
(\*\*) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

**Wind**

Wind loads based on MWFRS with additional C&C member design.  
 Left cantilever is exposed to wind  
 Wind loading based on both gable and hip roof types.

**Additional Notes**

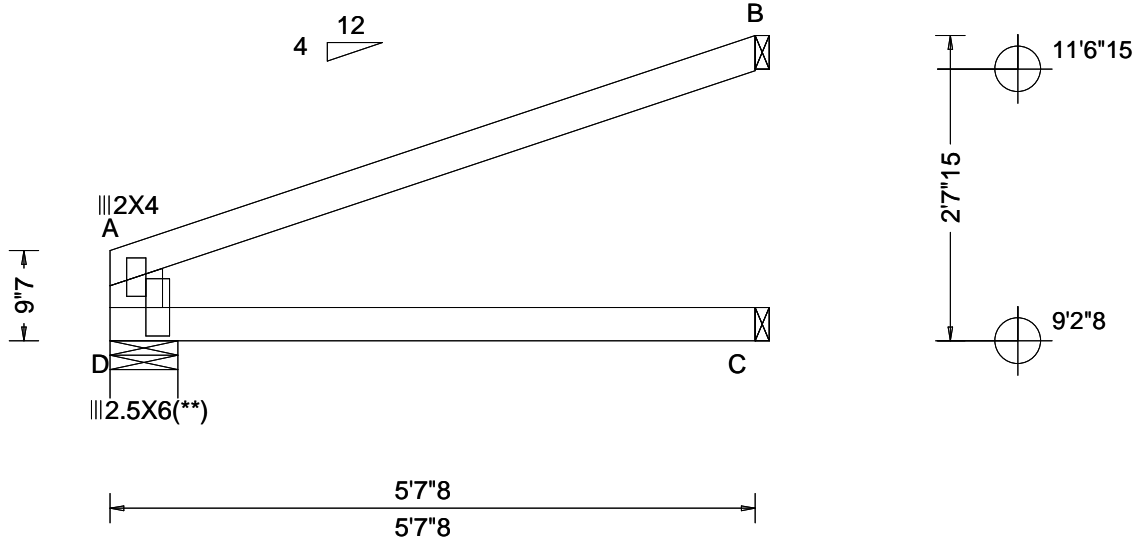
The overall height of this truss excluding overhang is 2-1-0.



COA #0 278  
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
Loc	R+	/R-	/Rh	/Rw	/U	/RL				
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	D	258	-	-	/163	/85	-
TCDL: 15.00	Speed: 140 mph	Pf: NA Ce: NA	VERT(LL): 0.000 A 999 240	C	112	-	-	/56	-	-
BCLL: 0.00	Enclosure: Enclosed	Lu: NA Cs: NA	VERT(CL): 0.000 A 999 180	B	201	-	-	/103	/78	/77
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 A - -	Wind reactions based on MWFRS						
Des Ld: 45.00	EXP: C Kzt: NA	Building Code:	HORZ(TL): 0.000 A - -	D Brg Wid = 7.1 Min Req = 1.5 (Truss)						
NCBCLL: 10.00	Mean Height: 15.00 ft	FBC 8th Ed. 2023 Res.	Creep Factor: 2.0	C Brg Wid = 1.5 Min Req = -						
Soffit: 2.00	TCDL: 4.2 psf	TPI Std: 2014	Max TC CSI: 0.866	B Brg Wid = 1.5 Min Req = -						
Load Duration: 1.25	BCDL: 3.0 psf	Rep Fac: Yes	Max BC CSI: 0.384	Bearing D is a rigid surface.						
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	FT/RT:20(0)/10(0)	Max Web CSI: 0.041	Members not listed have forces less than 375#						
	C&C Dist a: 3.00 ft	Plate Type(s):	VIEW Ver: 24.02.00D.0114.10							
	Loc. from endwall: not in 4.50 ft	WAVE								
	GCp1: 0.18									
	Wind Duration: 1.60									

**Lumber**

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

**Plating Notes**

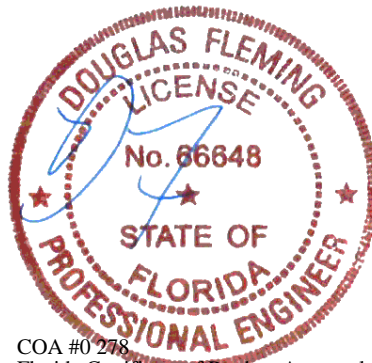
(\*\*) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

**Wind**

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

**Additional Notes**

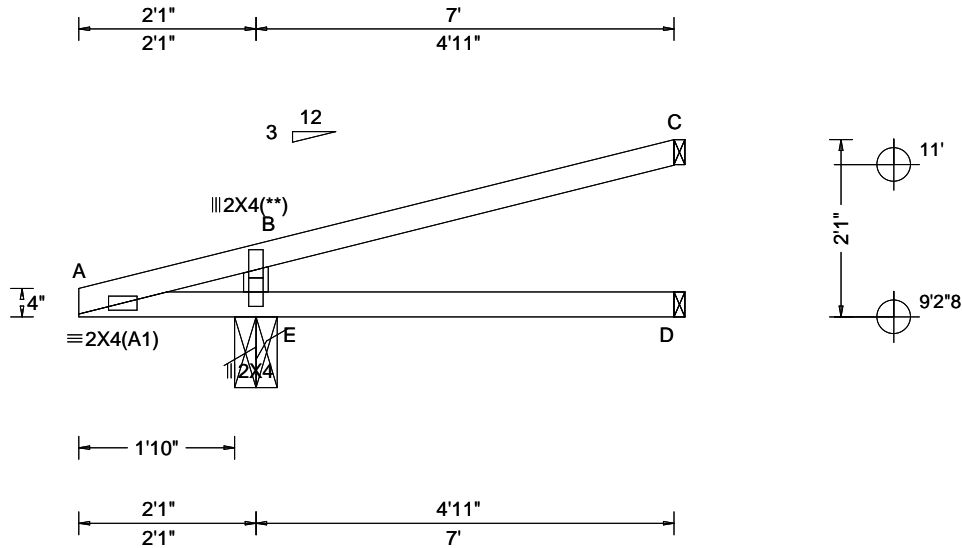
The overall height of this truss excluding overhang is 2-7-15.



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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: 15.00	Speed: 140 mph	Pf: NA Ce: NA	VERT(LL): 0.000 B 999 240	E	615	/-	/-	/-	/158	/-
BCLL: 0.00	Enclosure: Enclosed	Lu: NA Cs: NA	VERT(CL): 0.000 B 999 180	D	75	/-	/-	/16	/-	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.052 C - -	C	122	/-	/-	/-	/58	/-
Des Ld: 45.00	EXP: C Kzt: NA	Building Code:	HORZ(TL): 0.055 C - -	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 = 6.0 Min Req = 1.5 (Truss)						
Soffit: 2.00	TCDL: 4.2 psf	TPI Std: 2014	Max TC CSI: 0.758	D Brg Wid = 1.5 Min Req = -						
Load Duration: 1.25	BCDL: 3.0 psf	Rep Fac: Varies by Ld Case	Max BC CSI: 0.580	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: 0.076	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>						
	GCp1: 0.18			Webs	Tens.Comp.					
	Wind Duration: 1.60			B - E	172	-436				

**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 71 plf at 0.00 to 71 plf at 7.00  
BC: From 20 plf at 0.00 to 20 plf at 7.00  
TC: 101 lb Conc. Load at 0.00

**Plating Notes**

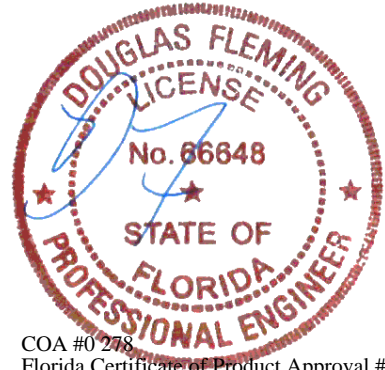
(\*\*) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

**Wind**

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

**Additional Notes**

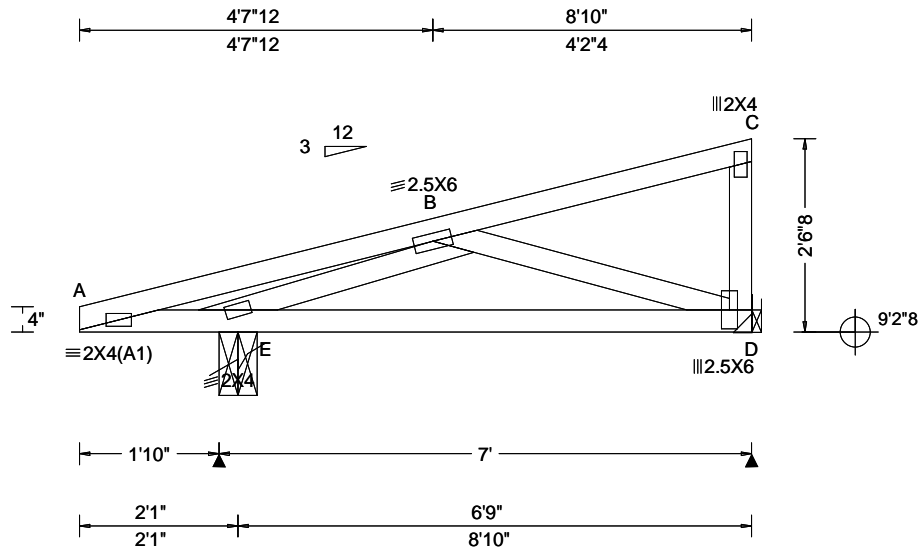
The overall height of this truss excluding overhang is 2-1-0.



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<b>Loading Criteria (psf)</b> TCLL: 20.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: > 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): 0.008 B 999 240 VERT(CL): 0.016 B 999 180 HORZ(LL): 0.003 D - - HORZ(TL): 0.005 D - - Creep Factor: 2.0 Max TC CSI: 0.372 Max BC CSI: 0.400 Max Web CSI: 0.293  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs)</b> Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 526 /- /- /284 /150 /77 D 290 /- /- /171 /69 /- Wind reactions based on MWFRS E Brg Wid = 6.0 Min Req = 1.5 (Truss) D Brg Wid = - Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. A - B 386 -664
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**Lumber**

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

**Hangers / Ties**

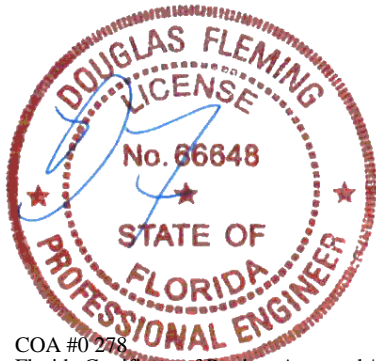
Hanger Support Required, by others

**Wind**

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

**Additional Notes**

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

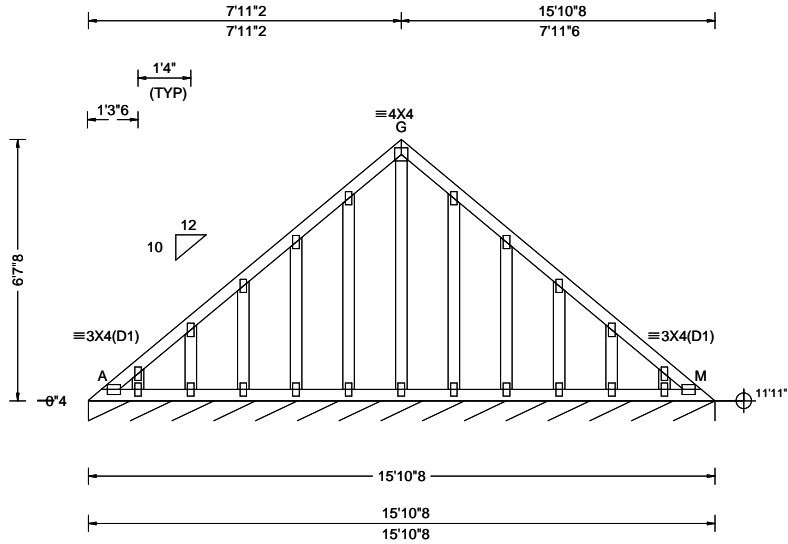


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SEQN: 704948 FROM: RFG	GABL Ply: 1 Qty: 1	Job Number: 25-3040 ANDERSON PROJECT Truss Label: V1	Cust: R215 JRef: 1YGX2150009 T48 DrwNo: 019.26.1559.18440 NW / DF 01/19/2026
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<b>Loading Criteria (psf)</b> TCLL: 20.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 15.38 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 5.00 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: 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): 0.001 H 999 240 VERT(CL): 0.002 H 999 180 HORZ(LL): -0.000 B - - HORZ(TL): 0.004 F - - Creep Factor: 2.0 Max TC CSI: 0.048 Max BC CSI: 0.034 Max Web CSI: 0.835  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* 116 /- /- /65 /26 /16 Wind reactions based on MWFRS A Brg Wid = 190 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;

**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 4.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

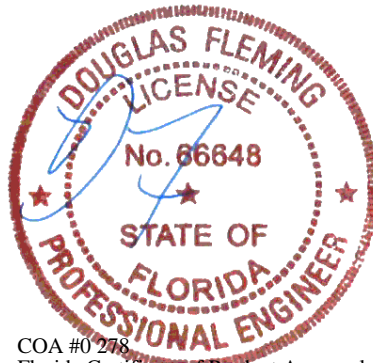
**Wind**

Wind loads based on MWFRS with additional C&C member design.  
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/302.

**Additional Notes**

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.  
The overall height of this truss excluding overhang is 10-6-8.

See DWGS VALTN220723 and VAL180220723 for valley details.

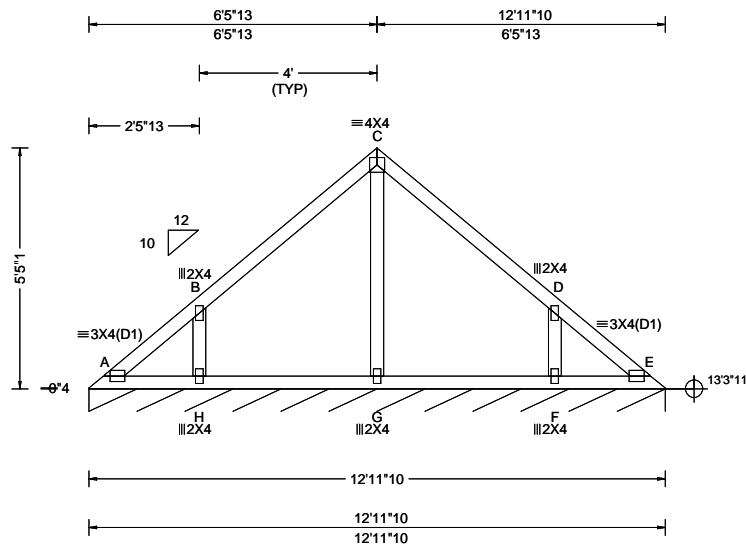


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**Lumber**

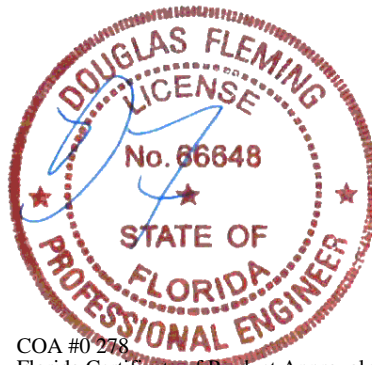
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

**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 5-5-1.

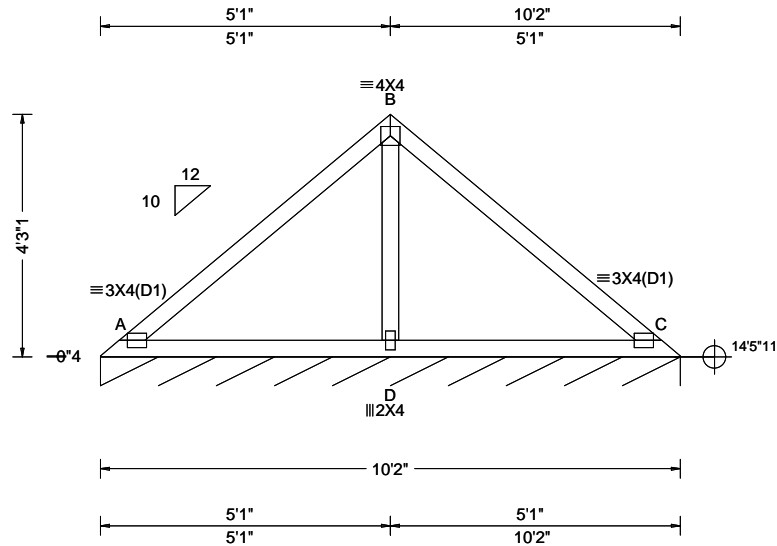


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SEQN: 722259 FROM: RFG	VAL Ply: 1 Qty: 1	Job Number: 25-3040 ANDERSON PROJECT Truss Label: V4	Cust: R215 JRef: 1YGX2150009 T51 DrwNo: 019.26.1559.37987 NW / DF 01/19/2026
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<b>Loading Criteria (psf)</b> TCLL: 20.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 16.75 ft TCCL: 4.2 psf BCDL: 3.0 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): 0.016 A 999 240 VERT(CL): 0.028 A 999 180 HORZ(LL): -0.009 C - - HORZ(TL): 0.024 C - - Creep Factor: 2.0 Max TC CSI: 0.445 Max BC CSI: 0.358 Max Web CSI: 0.213  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs), or *=PLF</b> <table border="1"> <thead> <tr> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>Loc</th> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>C*</td> <td>98</td> <td>/-</td> <td>/-</td> <td>/59</td> <td>/21</td> <td>/13</td> </tr> </tbody> </table> Wind reactions based on MWFRS C Brg Wid = 121 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375# <b>Maximum Web Forces Per Ply (lbs)</b> <table border="1"> <thead> <tr> <th>Webs</th> <th>Tens.Comp.</th> </tr> </thead> <tbody> <tr> <td>B - D</td> <td>500 - 657</td> </tr> </tbody> </table>	Gravity			Non-Gravity			Loc	R+	/R-	/Rh	/Rw	/U	/RL	C*	98	/-	/-	/59	/21	/13	Webs	Tens.Comp.	B - D	500 - 657
Gravity			Non-Gravity																									
Loc	R+	/R-	/Rh	/Rw	/U	/RL																						
C*	98	/-	/-	/59	/21	/13																						
Webs	Tens.Comp.																											
B - D	500 - 657																											

**Lumber**

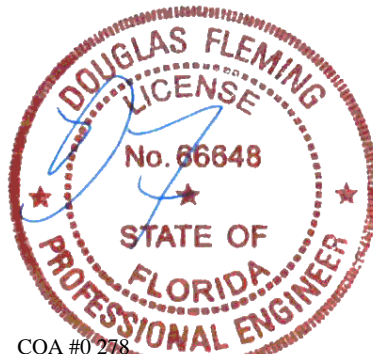
Top chord: 2x4 SP #2;  
 Bot chord: 2x4 SP #2;  
 Webs: 2x4 SP #3;

**Wind**

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

**Additional Notes**

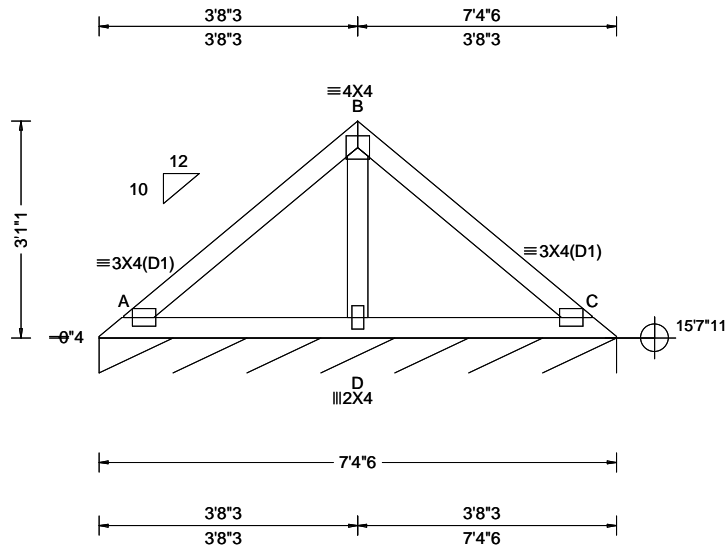
See DWGS VALTN220723 and VAL180220723 for valley details.  
 The overall height of this truss excluding overhang is 4-3-1.



COA #0 278  
 Florida Certificate of Product Approval #FL1999  
 01/19/2026

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<b>Loading Criteria (psf)</b> TCLL: 20.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 17.34 ft TCDL: 4.2 psf BCDL: 3.0 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  <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): 0.004 C 999 240 VERT(CL): 0.011 C 999 180 HORZ(LL): -0.003 C - - HORZ(TL): 0.007 C - - Creep Factor: 2.0 Max TC CSI: 0.256 Max BC CSI: 0.172 Max Web CSI: 0.112  VIEW Ver: 24.02.00D.0114.10	<b>▲ Maximum Reactions (lbs), or *=PLF</b> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>Loc</th> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>C*</td> <td>98</td> <td>/-</td> <td>/-</td> <td>/58</td> <td>/9</td> <td>/13</td> </tr> </tbody> </table> Wind reactions based on MWFRS C Brg Wid = 88.4 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375# <b>Maximum Web Forces Per Ply (lbs)</b> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Webs</th> <th>Tens.Comp.</th> </tr> </thead> <tbody> <tr> <td>B - D</td> <td>376 -396</td> </tr> </tbody> </table>	Gravity			Non-Gravity			Loc	R+	/R-	/Rh	/Rw	/U	/RL	C*	98	/-	/-	/58	/9	/13	Webs	Tens.Comp.	B - D	376 -396
Gravity			Non-Gravity																									
Loc	R+	/R-	/Rh	/Rw	/U	/RL																						
C*	98	/-	/-	/58	/9	/13																						
Webs	Tens.Comp.																											
B - D	376 -396																											

**Lumber**

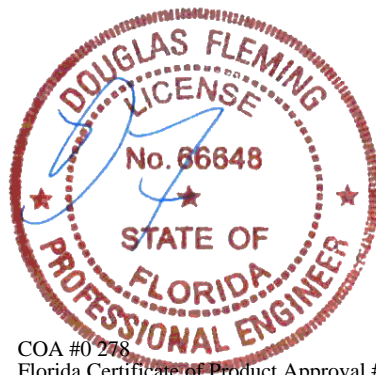
Top chord: 2x4 SP #2;  
 Bot chord: 2x4 SP #2;  
 Webs: 2x4 SP #3;

**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 3-1-1.

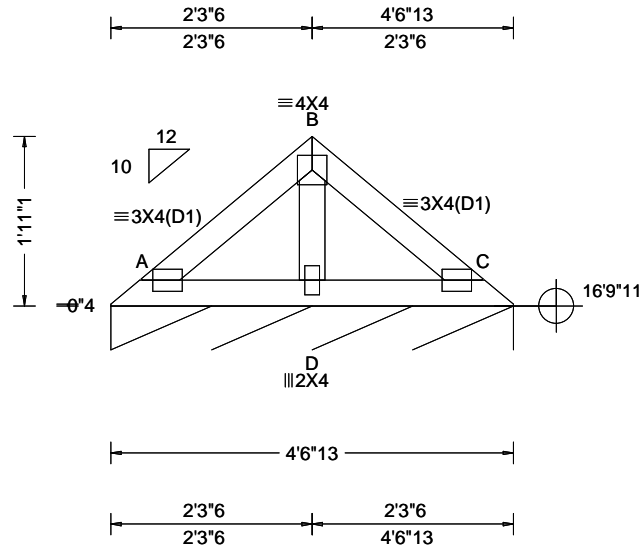


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SEQN: 722261 FROM: RFG	VAL Ply: 1 Qty: 1	Job Number: 25-3040 ANDERSON PROJECT Truss Label: V6	Cust: R215 JRef: 1YGX2150009 T54 DrwNo: 019.26.1559.40390 NW / DF 01/19/2026
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<b>Loading Criteria (psf)</b> TCLL: 20.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 45.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	<b>Wind Criteria</b> Wind Std: ASCE 7-22 Speed: 140 mph Enclosure: Enclosed Risk Category: II EXP: C Kzt: NA Mean Height: 17.92 ft TCDL: 4.2 psf BCDL: 3.0 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): 0.002 A 999 240 VERT(CL): 0.002 A 999 180 HORZ(LL): -0.001 C - - HORZ(TL): 0.002 C - - Creep Factor: 2.0 Max TC CSI: 0.089 Max BC CSI: 0.061 Max Web CSI: 0.058  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* 98 /- /- /56 /8 /12 Wind reactions based on MWFRS C Brg Wid = 54.8 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#
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**Lumber**

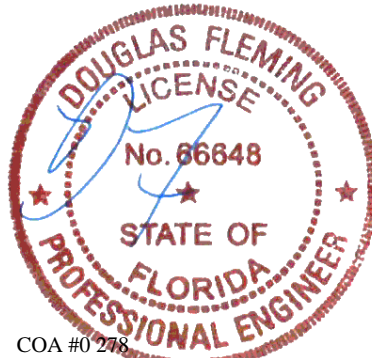
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

**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 1-11-1.



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# CLR Reinforcing Member Substitution

This detail is to be used when a Continuous Lateral Restraint (CLR) is specified on a truss design but an alternative web reinforcement method is desired.

## Notes:

This detail is only applicable for changing the specified CLR shown on single ply sealed designs to T-reinforcement or L-reinforcement or scab reinforcement.

Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type.

Use scabs instead of L- or T- reinforcement on webs with intersecting truss joints, such as K-web joints, that may interfere with proper application along the narrow face of the web.

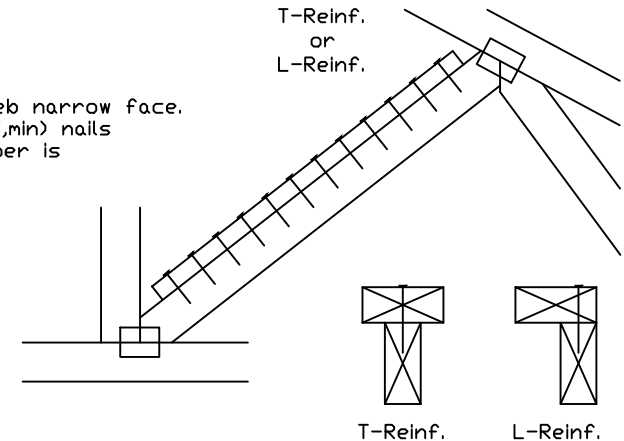
Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf.	Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6 or 2x4	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(*)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(*)

T-reinforcement, L-reinforcement, or scab reinforcement to be same species and grade or better than web member unless specified otherwise on Engineer's sealed design.

(\*) Center scab on wide face of web. Apply (1) scab to each face of web.

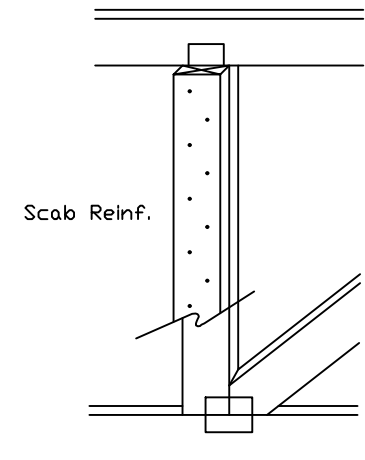
## T-Reinforcement or L-Reinforcement:

Apply to either side of web narrow face. Attach with 10d (0.128"x3.0",min) nails at 6" o.c. Reinforcing member is a minimum 80% of web member length.



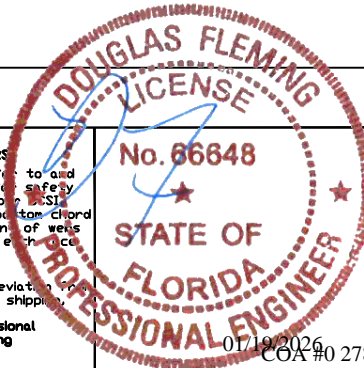
## Scab Reinforcement:

Apply scab(s) to wide face of web. No more than (1) scab per face. Attach with 10d (0.128"x3.0",min) nails at 6" o.c. Reinforcing member is a minimum 80% of web member length.



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

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

# 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.

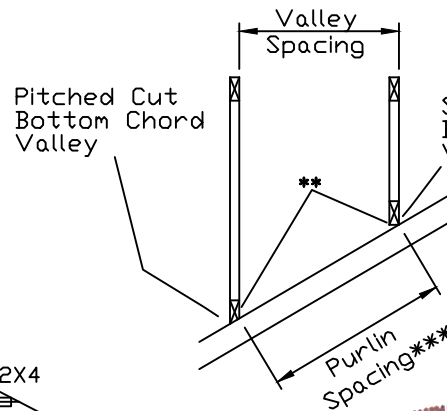
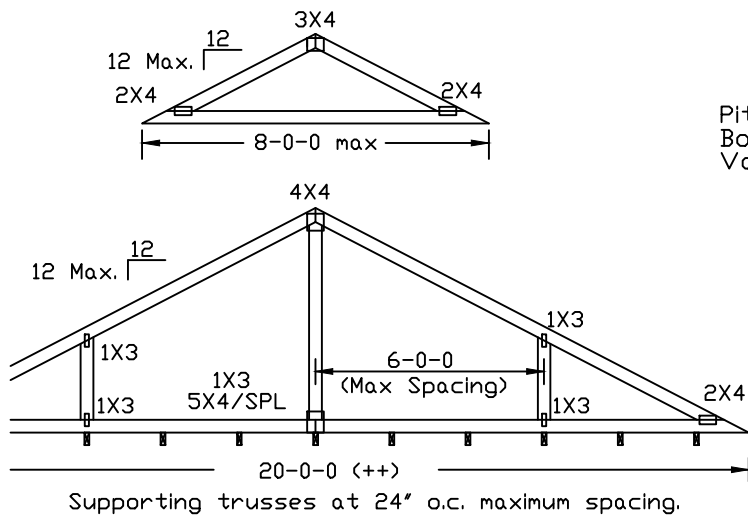
Top chord of truss beneath valley set must be braced with: properly attached, rated sheathing applied prior to valley truss installation.

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.

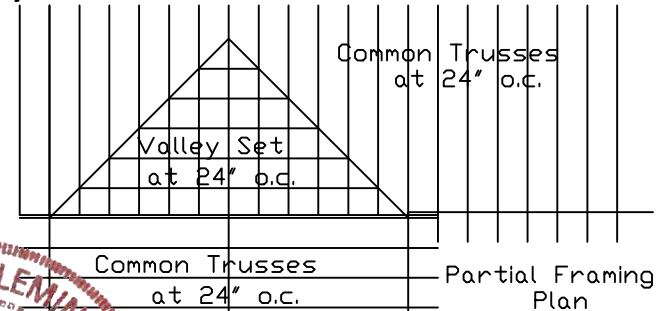
++ Larger spans may be built as long as the vertical height does not exceed 14'-0".



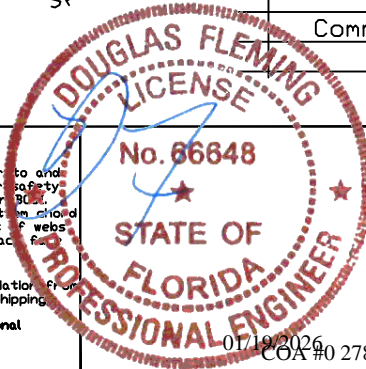
Square Cut Bottom Chord Valley

Stubbed Valley End Detail

Optional Hip Joint Detail



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TC LL	30	30	40PSF	REF	VALLEY DETAIL
TC DL	20	15	7PSF	DATE	07/03/2023
BC DL	10	10	10 PSF	DRWG	VAL180220723
BC LL	0	0	0PSF		
TOT. LD.	60	55	57PSF		
DUR.FAC.1.25/1.33	1.15	1.15			
SPACING	24.0"				

# 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.

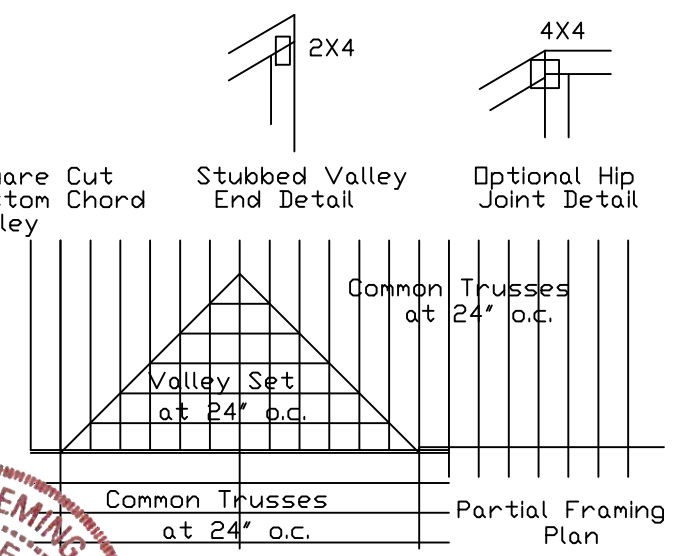
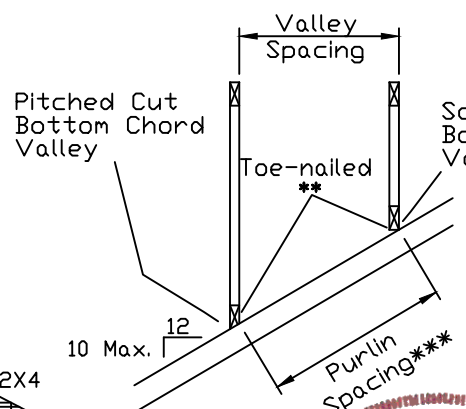
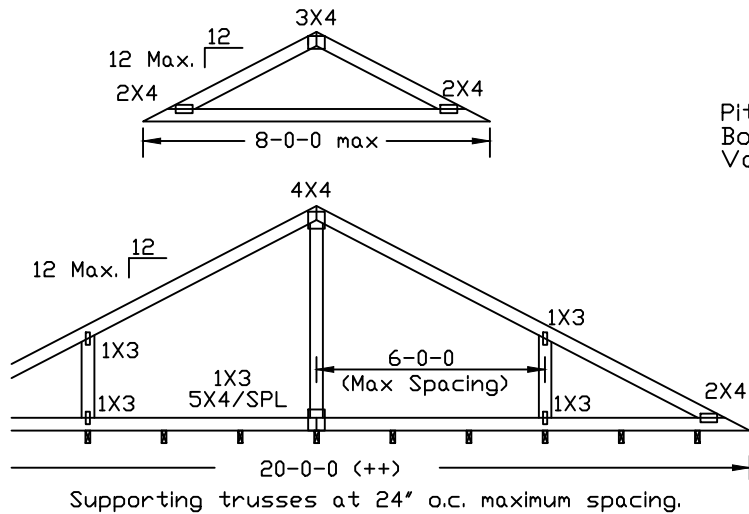
Unless specified otherwise on engineer's sealed design, for vertical  
 valley webs taller than 7'-9" apply 2x4 "T" reinforcement, 80% length of  
 web, same species and grade or better, attached with 10d box  
 (0.128" x 3.0") nails at 6" o.c. In lieu of "T" reinforcement, 2x4 Continuous  
 Lateral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

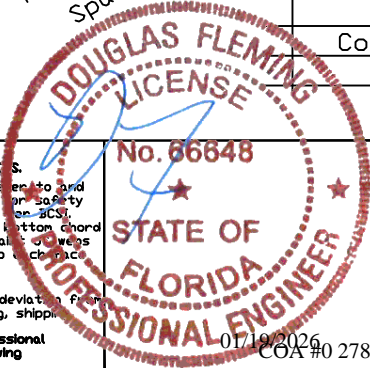
- Or
- Purlins at 24" o.c. or as otherwise specified on engineer's sealed design
- Or
- By valley trusses used in lieu of purlin spacing as specified on  
 Engineer's sealed design.

\*\*\* 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".



**WARNING: READ AND FOLLOW ALL NOTES ON THIS DRAWING**  
**IMPORTANT: FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLER.**  
 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 chord 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 ITV 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.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	REF	VALLEY DETAIL
TC DL	20	15	7PSF	DATE	07/03/2023
BC DL	10	10	10 PSF	DRWG	VALTN220723
BC LL	0	0	0 PSF		
TOT. LD.	60	55	57PSF		
DUR.FAC.	1.25/1.33	1.15	1.15		
SPACING	24.0"				