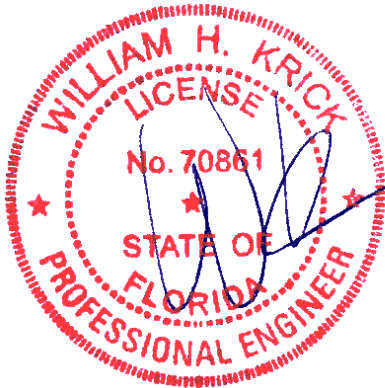




Alpine, an ITW Company
 155 Harlem Ave
 North Building, 4th Floor
 Glenview, IL 60025
 Phone: (800)755-6001
 www.alpineitw.com



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COA #0 278

Florida Certificate of Product Approval #FL 1999

01/15/2024

Site Information:	Page 1:
Customer: Carpenter Contractors of America	Job Number: 374092
Job Description: ,1570 ,6U ,RC01 / 6 UNIT TOWNHOMES	
Address:	

Job Engineering Criteria:	
Design Code: FBC 8th Ed. 2023 Res.	IntelliVIEW Version: 23.02.01 through 23.02.01A JRef #: 1XWf89750119
Wind Standard: ASCE 7-22 Wind Speed (mph): 160	Design Loading (psf): 37.00
Building Type: Closed	

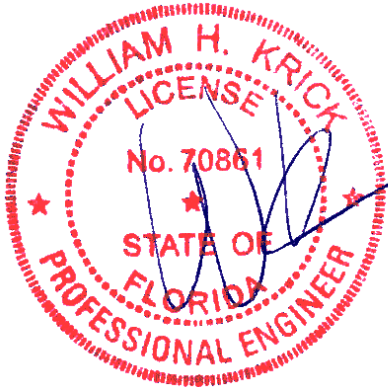
This package contains general notes pages, 81 truss drawing(s) and 1 detail(s).

Item	Drawing Number	Truss
1	012.24.1555.49146	A1
3	012.24.1555.50637	A2A
5	012.24.1555.48787	A4
7	012.24.1555.48817	A8
9	012.24.1555.50825	A6
11	015.24.0815.57460	A2GE
13	012.24.1555.49099	B1
15	012.24.1555.50150	B3
17	012.24.1555.50714	B5
19	012.24.1555.49930	B7
21	012.24.1555.51140	B10
23	012.24.1555.50808	B12
25	012.24.1555.49789	B14
27	015.24.0816.47833	B8G
29	012.24.1555.50198	C2
31	012.24.1555.50887	C4
33	012.24.1555.49209	C7
35	012.24.1555.49665	H1
37	012.24.1555.49978	H3
39	015.24.0816.50057	D2
41	015.24.0816.52980	D2A
43	015.24.0816.55697	D2C
45	015.24.0816.58450	D4
47	015.24.0817.01240	D6
49	015.24.0817.17160	D8

Item	Drawing Number	Truss
2	012.24.1555.49666	A2
4	012.24.1555.50479	A3
6	012.24.1555.50418	A5
8	012.24.1555.49710	A7
10	015.24.0815.55650	A1GE
12	015.24.0818.12737	A6GE
14	012.24.1555.51138	B2
16	012.24.1555.50669	B4
18	012.24.1555.50275	B6
20	012.24.1555.49067	B9
22	012.24.1555.49931	B11
24	012.24.1555.50996	B13
26	015.24.0816.36907	B15G
28	012.24.1555.50386	C1
30	012.24.1555.50589	C3
32	012.24.1555.49021	C6
34	012.24.1555.49758	C5G
36	012.24.1555.50621	H2
38	012.24.1555.50228	H4G
40	015.24.0816.51737	D1G
42	015.24.0816.54423	D2B
44	015.24.0816.57140	D3
46	015.24.0816.59927	D5
48	015.24.0817.15383	D7G
50	015.24.0817.18550	D9



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01/15/2024

Site Information:	Page 2:
Customer: Carpenter Contractors of America	Job Number: 374092
Job Description: ,1570 ,6U ,RC01 / 6 UNIT TOWNHOMES	
Address:	

Item	Drawing Number	Truss
51	015.24.0817.27053	D10G
53	015.24.0817.29740	D12
55	015.24.0817.32043	D14
57	015.24.0817.34333	D16
59	012.24.1555.50197	M1GV
61	012.24.1555.51137	MV1
63	012.24.1555.50055	EJ5
65	012.24.1555.50009	EJ5V
67	012.24.1555.49460	CJ3C
69	012.24.1555.50355	CJ1C
71	012.24.1555.50464	CJ3
73	012.24.1555.48786	CJ5V
75	012.24.1555.50448	CJ1V
77	012.24.1555.49570	HJ5D
79	012.24.1555.50167	HJ7V
81	012.24.1555.49177	HJ4V

Item	Drawing Number	Truss
52	015.24.0817.28573	D11
54	015.24.0817.30940	D13
56	015.24.0817.33180	D15
58	012.24.1555.50872	D17G
60	012.24.1555.49916	M2GV
62	012.24.1555.48739	EJ5C
64	012.24.1555.49194	EJ7V
66	015.24.0817.36077	EJ4V
68	012.24.1555.50934	CJ3D
70	012.24.1555.50856	CJ1D
72	012.24.1555.51043	CJ1
74	012.24.1555.48801	CJ3V
76	012.24.1555.49508	HJ5C
78	012.24.1555.49742	HJ4
80	012.24.1555.48832	HJ5V
82	CNNAILSP1014	

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.

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.

General Notes (continued)

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.

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-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-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).

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

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

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

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

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

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

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

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

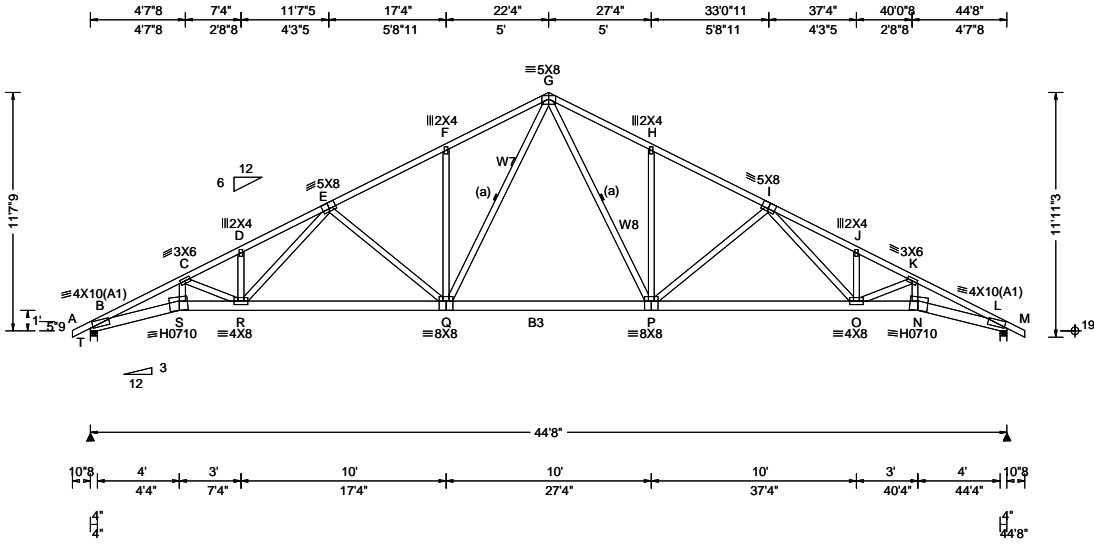
W = Width of non-hanger bearing, in inches.

Refer to ASCE-7 for Wind and Seismic abbreviations.

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

References:

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



Loading Criteria (psf) TCCL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 24.83 ft TCCL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.47 ft Loc. from endwall: not in 13.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.429 F 999 360 VERT(CL): 0.763 F 698 266 HORZ(LL): 0.207 L - - HORZ(TL): 0.367 L - - Creep Factor: 2.0 Max TC CSI: 0.681 Max BC CSI: 0.730 Max Web CSI: 0.842 VIEW Ver: 23.02.01.1109.17	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL T 1860 /- /- /1033 /462 /505 L 1860 /- /- /1033 /462 /- Wind reactions based on MWFRS T Brg Wid = 4.0 Min Req = 2.1 (Truss) L Brg Wid = 4.0 Min Req = 2.1 (Truss) Bearings T & L are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.					
				B - C 3061 -5629 G - H 1947 -2976 C - D 2452 -4479 H - I 1763 -2986 D - E 2570 -4500 I - J 2582 -4500 E - F 1757 -2986 J - K 2466 -4479 F - G 1953 -2976 K - L 3055 -5629					

Lumber
 Top chord: 2x4 SP #2 N;
 Bot chord: 2x6 SP SS; B3 2x6 SP #2 N;
 Webs: 2x4 SP #3; W7,W8 2x4 SP #2 N;

Bracing
 (a) 1X4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails(0.113"x2.5",min.). Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.
 (a) or scab reinforcement may be used in lieu of CLR restraint. substitute (1) scab for (1) CLR and (2) scabs for (2) CLR'S where shown. Scab reinforcement to be same size, species, grade, and 80% length of web member. Attach with 0.128x3" gun nails @ 6" oc.

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

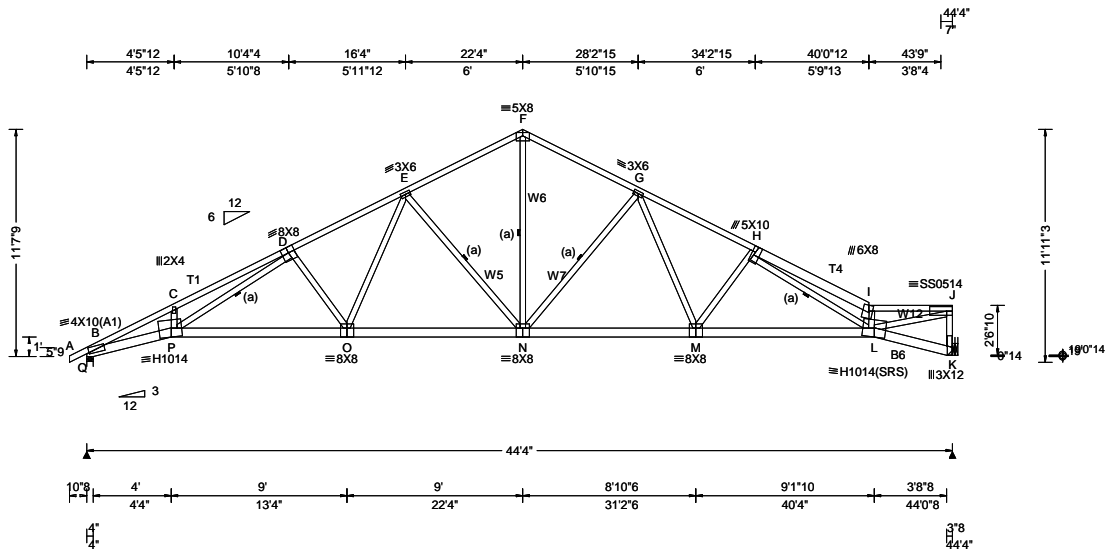
Wind
 Wind loads based on MWFRS with additional C&C member design.
 Wind loading based on both gable and hip roof types.



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





Loading Criteria (psf)	
TCLL:	20.00
TCDL:	7.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	37.00
NCBCLL:	10.00
Soffit:	0.00
Load Duration:	1.25
Spacing:	24.0 "

Wind Criteria	
Wind Std:	ASCE 7-22
Speed:	160 mph
Enclosure:	Closed
Risk Category:	II
EXP:	C Kzt: NA
Mean Height:	24.83 ft
TCDL:	4.2 psf
BCDL:	5.0 psf
MWFRS Parallel Dist:	h to 2h
C&C Dist a:	4.43 ft
Loc. from endwall:	not in 13.00 ft
GCp:	0.18
Wind Duration:	1.60

Snow Criteria (Pg,Pf in PSF)	
Pg:	NA Ct: NA CAT: NA
Pf:	NA Ce: NA
Lu:	NA Cs: NA
Snow Duration:	NA
Building Code:	
FBC 8th Ed. 2023 Res.	
TPI Std: 2014	
Rep Fac: Yes	
FT/RT:20(0)/10(0)	
Plate Type(s):	
WAVE, HS, 18SS	

Defl/CSI Criteria	
PP Deflection in loc L/defl L/#	
VERT(LL):	0.419 N 999 360
VERT(CL):	0.734 N 722 265
HORZ(LL):	0.218 K - -
HORZ(TL):	0.382 K - -
Creep Factor: 2.0	
Max TC CSI:	0.966
Max BC CSI:	0.538
Max Web CSI:	0.940
VIEW Ver: 23.02.01.1109.17	

▲ Maximum Reactions (lbs)					
Gravity			Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
Q	1893	- / -	/1035	/459	/485
K	1832	- / -	/873	/448	- / -
Wind reactions based on MWFRS					
Q	Brg Wid = 4.0 Min Req = 2.1 (Truss)				
K	Brg Wid = - Min Req = -				
Bearing Q is a rigid surface.					
Members not listed have forces less than 375#					
Maximum Top Chord Forces Per Ply (lbs)					
Chords	Tens.Comp.		Chords	Tens. Comp.	
B - C	3206	-5823	F - G	1573	-2424
C - D	3368	-5803	G - H	2061	-3517
D - E	2051	-3547	H - I	3850	-6218
E - F	1565	-2425	I - J	2883	-4855

Maximum Bot Chord Forces Per Ply (lbs)					
Chords	Tens.Comp.		Chords	Tens. Comp.	
B - P	5238	-3023	N - M	2706	-1381
P - O	3496	-1947	M - L	3471	-1925
O - N	2728	-1427			

Maximum Web Forces Per Ply (lbs)					
Webs	Tens.Comp.		Webs	Tens. Comp.	
P - D	2024	-1275	G - M	978	-519
D - O	594	-669	M - H	652	-677
O - E	992	-473	H - L	2466	-1739
E - N	748	-972	I - L	2130	-3047
F - N	1765	-991	L - J	5064	-3001
N - G	743	-950	J - K	1099	-1680

Lumber

Top chord: 2x4 SP #2 N; T1 2x4 SP 2400f-2.0E; T4 2x6 SP #2 N;
Bot chord: 2x6 SP SS; B6 2x6 SP #2 N;
Webs: 2x4 SP #3; W5,W6,W7 2x4 SP #2 N; W12 2x4 SP 2400f-2.0E;

Bracing

(a) 1X4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails(0.113"x2.5",min.). Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.

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Loading

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

Wind

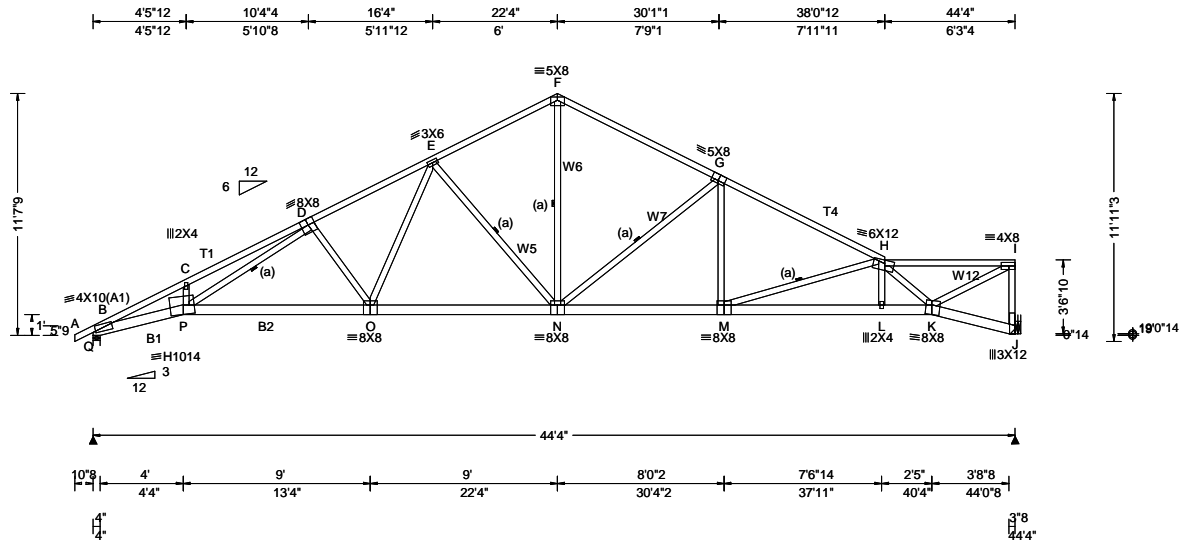
Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.



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Loading Criteria (psf) TCCL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 24.83 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.43 ft Loc. from endwall: not in 13.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.367 E 999 360 VERT(CL): 0.648 E 818 265 HORZ(LL): 0.194 J - - HORZ(TL): 0.344 J - - Creep Factor: 2.0 Max TC CSI: 0.866 Max BC CSI: 0.903 Max Web CSI: 0.819 VIEW Ver: 23.02.01.1109.17	▲ Maximum Reactions (lbs) <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>Q</td> <td>1873</td> <td>-</td> <td>-</td> <td>/1042</td> <td>/457</td> <td>/487</td> </tr> <tr> <td>J</td> <td>1806</td> <td>-</td> <td>-</td> <td>/837</td> <td>/496</td> <td>-</td> </tr> </tbody> </table> <p>Wind reactions based on MWFRS Q Brg Wid = 4.0 Min Req = 2.1 (Truss) J Brg Wid = - Min Req = - Bearing Q is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Chords</th> <th>Tens.Comp.</th> <th>Chords</th> <th>Tens. Comp.</th> </tr> </thead> <tbody> <tr> <td>B - C</td> <td>3272 - 5754</td> <td>F - G</td> <td>1581 - 2407</td> </tr> <tr> <td>C - D</td> <td>3431 - 5735</td> <td>G - H</td> <td>1990 - 3377</td> </tr> <tr> <td>D - E</td> <td>2075 - 3498</td> <td>H - I</td> <td>1779 - 2809</td> </tr> <tr> <td>E - F</td> <td>1588 - 2374</td> <td></td> <td></td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	Q	1873	-	-	/1042	/457	/487	J	1806	-	-	/837	/496	-	Chords	Tens.Comp.	Chords	Tens. Comp.	B - C	3272 - 5754	F - G	1581 - 2407	C - D	3431 - 5735	G - H	1990 - 3377	D - E	2075 - 3498	H - I	1779 - 2809	E - F	1588 - 2374		
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Lumber
 Top chord: 2x4 SP #2 N; T1 2x4 SP 2400f-2.0E;
 T4 2x4 SP #1;
 Bot chord: 2x6 SP #2 N; B1,B2 2x6 SP SS;
 Webs: 2x4 SP #3; W5,W6,W7,W12 2x4 SP #2 N;

Bracing
 (a) 1X4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails(0.113"x2.5",min.). Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.
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Loading
 Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

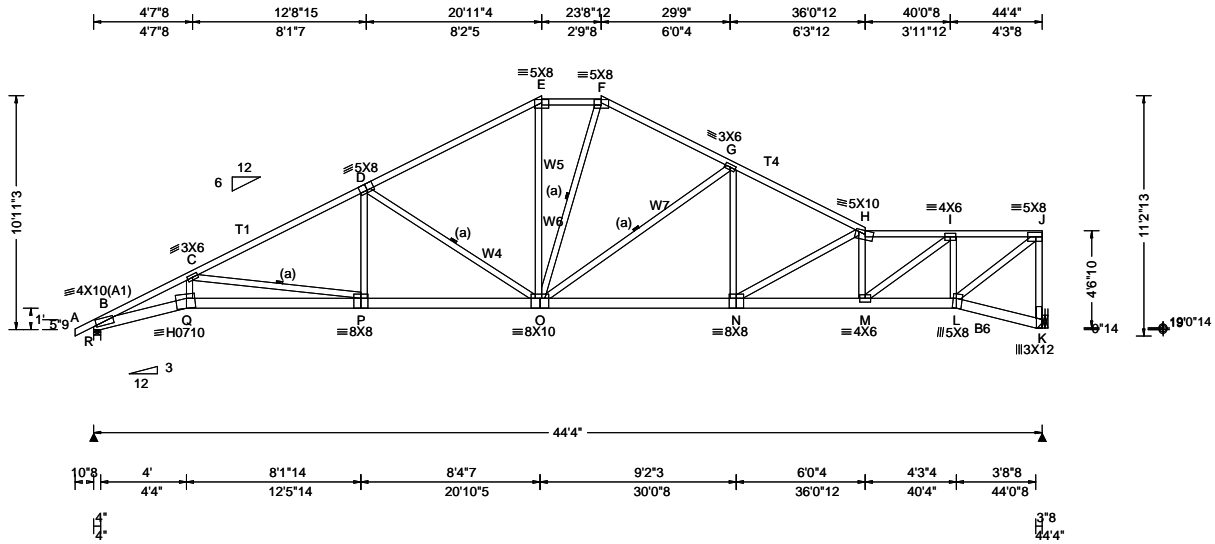
Wind
 Wind loads based on MWFRS with additional C&C member design.
 Right end vertical not exposed to wind pressure.
 Wind loading based on both gable and hip roof types.



COA #0278
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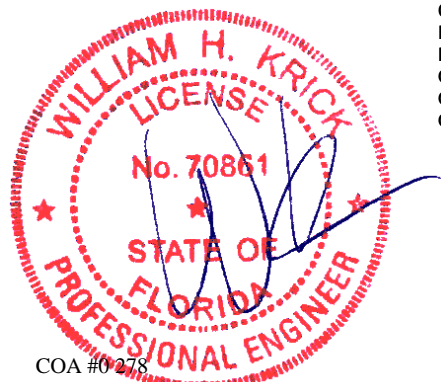
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Lumber
 Top chord: 2x4 SP #2 N; T1 2x4 SP #1;
 T4 2x4 SP 2400f-2.0E;
 Bot chord: 2x6 SP SS; B6 2x6 SP #2 N;
 Webs: 2x4 SP #3; W4,W5,W6,W7 2x4 SP #2 N;

Bracing
 (a) 1X4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails(0.113"x2.5",min.). Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.
 (a) or scab reinforcement may be used in lieu of CLR restraint. substitute (1) scab for (1) CLR and (2) scabs for (2) CLR'S where shown. Scab reinforcement to be same size, species, grade, and 80% length of web member. Attach with 0.128x3" gun nails @ 6" oc.

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

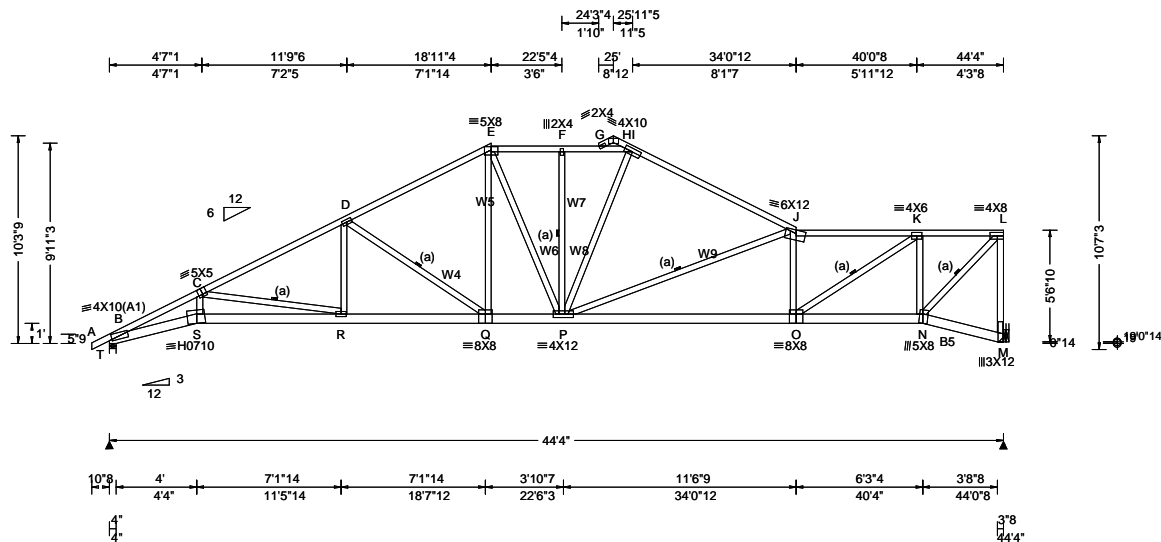
Wind
 Wind loads based on MWFRS with additional C&C member design.
 Right end vertical not exposed to wind pressure.
 Wind loading based on both gable and hip roof types.



COA #0218
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Loading Criteria (psf) TCCL: 20.00 TCCL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 24.16 ft TCCL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.43 ft Loc. from endwall: not in 13.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.301 R 999 360 VERT(CL): 0.567 R 935 265 HORZ(LL): 0.136 M - - HORZ(TL): 0.257 M - - Creep Factor: 2.0 Max TC CSI: 0.959 Max BC CSI: 0.511 Max Web CSI: 0.883 VIEW Ver: 23.02.01.1109.17	▲ Maximum Reactions (lbs) <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>T</td> <td>1734</td> <td>-</td> <td>-</td> <td>/1070</td> <td>/537</td> <td>/430</td> </tr> <tr> <td>M</td> <td>1673</td> <td>-</td> <td>-</td> <td>/803</td> <td>/664</td> <td>-</td> </tr> </tbody> </table> <p>Wind reactions based on MWFRS T Brg Wid = 4.0 Min Req = 2.0 (Truss) M Brg Wid = - Min Req = - Bearing T is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Chords</th> <th>Tens.Comp.</th> <th>Chords</th> <th>Tens. Comp.</th> </tr> </thead> <tbody> <tr> <td>B - C</td> <td>3832 - 5336</td> <td>G - I</td> <td>2225 - 2357</td> </tr> <tr> <td>C - D</td> <td>2509 - 3441</td> <td>I - J</td> <td>1890 - 2314</td> </tr> <tr> <td>D - E</td> <td>2041 - 2510</td> <td>J - K</td> <td>2525 - 3122</td> </tr> <tr> <td>E - F</td> <td>1975 - 2216</td> <td>K - L</td> <td>1254 - 1456</td> </tr> <tr> <td>F - G</td> <td>1971 - 2214</td> <td></td> <td></td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	T	1734	-	-	/1070	/537	/430	M	1673	-	-	/803	/664	-	Chords	Tens.Comp.	Chords	Tens. Comp.	B - C	3832 - 5336	G - I	2225 - 2357	C - D	2509 - 3441	I - J	1890 - 2314	D - E	2041 - 2510	J - K	2525 - 3122	E - F	1975 - 2216	K - L	1254 - 1456	F - G	1971 - 2214		
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Lumber
 Top chord: 2x4 SP #2 N;
 Bot chord: 2x6 SP SS; B5 2x6 SP #2 N;
 Webs: 2x4 SP #3; W4,W5,W6,W7,W8,W9 2x4 SP #2 N;

Bracing
 (a) 1X4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails(0.113"x2.5",min.). Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.
 (a) or scab reinforcement may be used in lieu of CLR restraint. substitute (1) scab for (1) CLR and (2) scabs for (2) CLR'S where shown. Scab reinforcement to be same size, species, grade, and 80% length of web member. Attach with 0.128x3" gun nails @ 6" oc.

Plating Notes
 All plates are 3X6 except as noted.

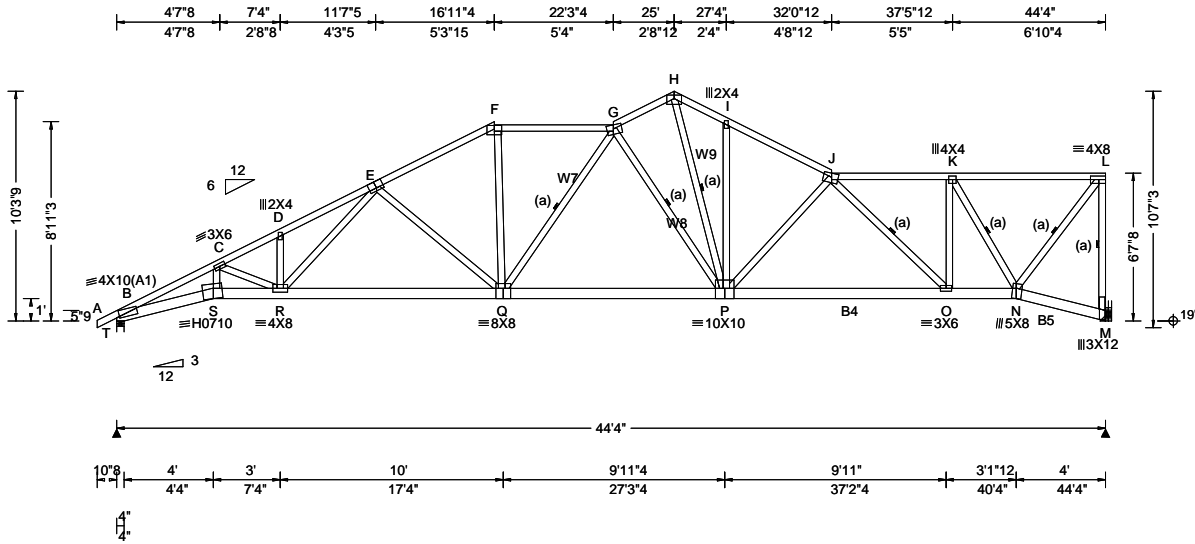
Wind
 Wind loads based on MWFRS with additional C&C member design.
 Right end vertical not exposed to wind pressure.
 Wind loading based on both gable and hip roof types.



COA #0278
 01/15/2024
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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 24.16 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.43 ft Loc. from endwall: not in 13.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.362 Q 999 360 VERT(CL): 0.639 Q 829 265 HORZ(LL): 0.156 M - - HORZ(TL): 0.276 M - - Creep Factor: 2.0 Max TC CSI: 0.832 Max BC CSI: 0.836 Max Web CSI: 0.995 VIEW Ver: 23.02.01.1109.17	▲ Maximum Reactions (lbs) Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity T 1851 /- /- /1079 /555 /432 M 1833 /- /- /831 /714 /- Wind reactions based on MWFRS T Brg Wid = 4.0 Min Req = 2.1 M Brg Wid = - Min Req = - Bearing T is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.
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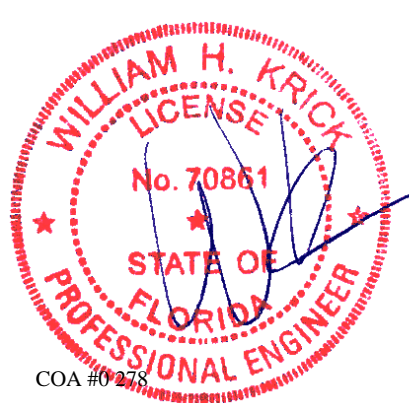
Lumber
Top chord: 2x4 SP #2 N;
Bot chord: 2x6 SP SS; B4,B5 2x6 SP #2 N;
Webs: 2x4 SP #3; W7,W8,W9 2x4 SP #2 N;

Bracing
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Plating Notes
All plates are 5X8 except as noted.

Loading
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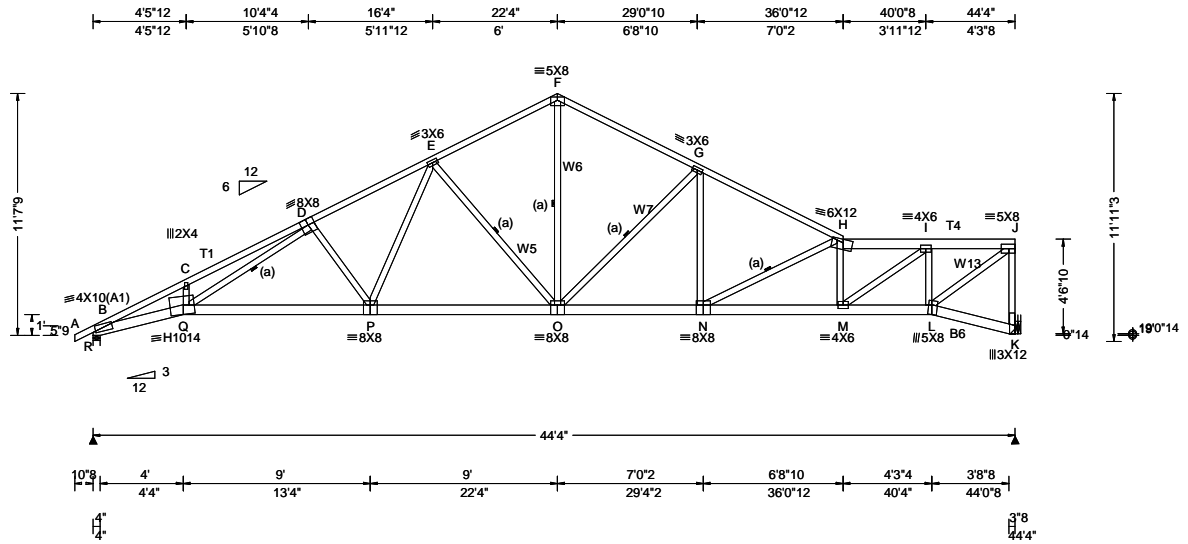
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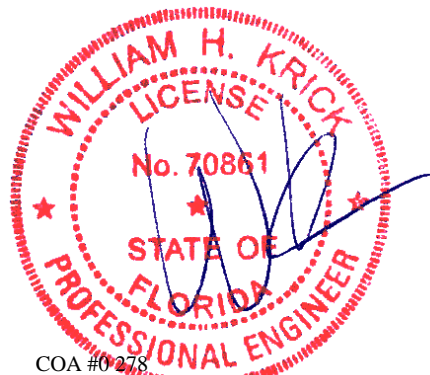
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				B - C 3340 -5762 F - G 1615 -2395 C - D 3500 -5743 G - H 1975 -3219 D - E 2107 -3504 H - I 2472 -3774 E - F 1612 -2379 I - J 1455 -2093					

Lumber
 Top chord: 2x4 SP #2 N; T1 2x4 SP 2400f-2.0E;
 T4 2x6 SP #2 N;
 Bot chord: 2x6 SP SS; B6 2x6 SP #2 N;
 Webs: 2x4 SP #3; W5,W6,W7,W13 2x4 SP #2 N;

Bracing
 (a) 1X4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails(0.113"x2.5",min.). Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.
 (a) or scab reinforcement may be used in lieu of CLR restraint. substitute (1) scab for (1) CLR and (2) scabs for (2) CLR'S where shown. Scab reinforcement to be same size, species, grade, and 80% length of web member. Attach with 0.128x3" gun nails @ 6" oc.

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

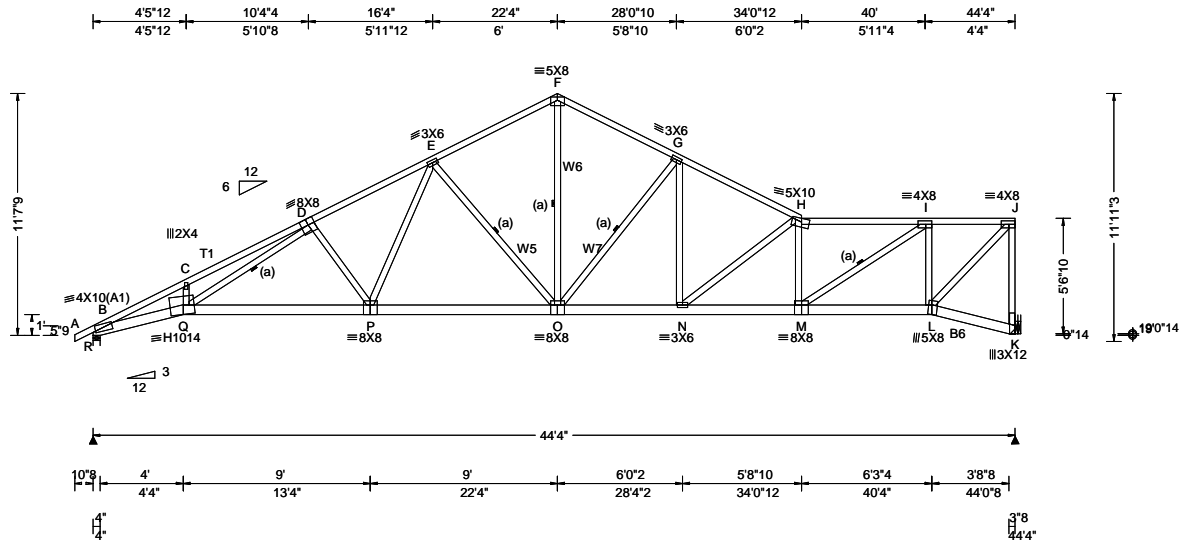
Wind
 Wind loads based on MWFRS with additional C&C member design.
 Right end vertical not exposed to wind pressure.
 Wind loading based on both gable and hip roof types.



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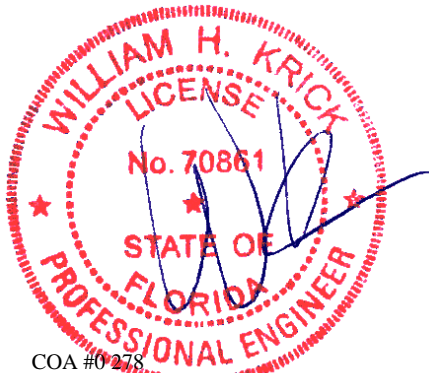
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				B - C 2846 -5757 F - G 1233 -2372 C - D 3019 -5739 G - H 1527 -3049 D - E 1637 -3501 H - I 1871 -3369 E - F 1145 -2375 I - J 1001 -1582					

Lumber
 Top chord: 2x4 SP #2 N; T1 2x4 SP 2400f-2.0E;
 Bot chord: 2x6 SP SS; B6 2x6 SP #2 N;
 Webs: 2x4 SP #3; W5,W6,W7 2x4 SP #2 N;

Bracing
 (a) 1X4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails(0.113"x2.5",min.). Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.
 (a) or scab reinforcement may be used in lieu of CLR restraint. substitute (1) scab for (1) CLR and (2) scabs for (2) CLR'S where shown. Scab reinforcement to be same size, species, grade, and 80% length of web member. Attach with 0.128x3" gun nails @ 6" oc.

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

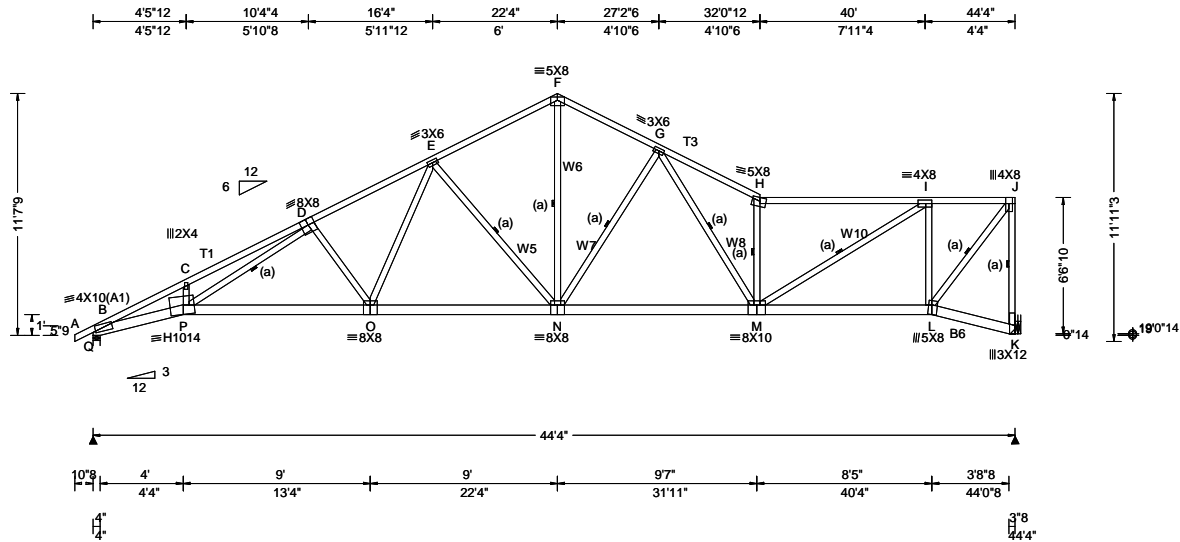
Wind
 Wind loads based on MWFRS with additional C&C member design.
 Right end vertical not exposed to wind pressure.
 Wind loading based on both gable and hip roof types.



COA #0278
 01/15/2024
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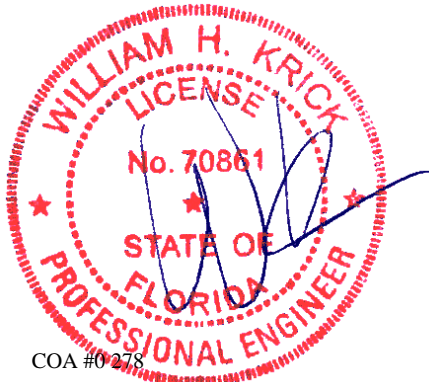
Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 24.83 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.43 ft Loc. from endwall: not in 13.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.349 O 999 360 VERT(CL): 0.608 O 871 265 HORZ(LL): 0.149 K - - HORZ(TL): 0.260 K - - Creep Factor: 2.0 Max TC CSI: 0.798 Max BC CSI: 0.539 Max Web CSI: 0.866 VIEW Ver: 23.02.01.1109.17	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL Q 1904 /- /- /1173 /364 /499 K 1846 /- /- /932 /544 /- Wind reactions based on MWFRS Q Brg Wid = 4.0 Min Req = 2.1 (Truss) K Brg Wid = - Min Req = - Bearing Q is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 3013 -5864 F - G 1348 -2443 C - D 3175 -5842 G - H 2197 -3683 D - E 1741 -3572 H - I 1881 -3274 E - F 1230 -2463 I - J 920 -1342
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Lumber
Top chord: 2x4 SP #1; T1 2x4 SP 2400f-2.0E;
T3 2x4 SP #2 N;
Bot chord: 2x6 SP SS; B6 2x6 SP #2 N;
Webs: 2x4 SP #3; W5,W6,W7,W8,W10 2x4 SP #2 N;

Bracing
(a) 1X4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails(0.113"x2.5",min.). Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.
(a) or scab reinforcement may be used in lieu of CLR restraint. substitute (1) scab for (1) CLR and (2) scabs for (2) CLR'S where shown. Scab reinforcement to be same size, species, grade, and 80% length of web member. Attach with 0.128x3" gun nails @ 6" oc.

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



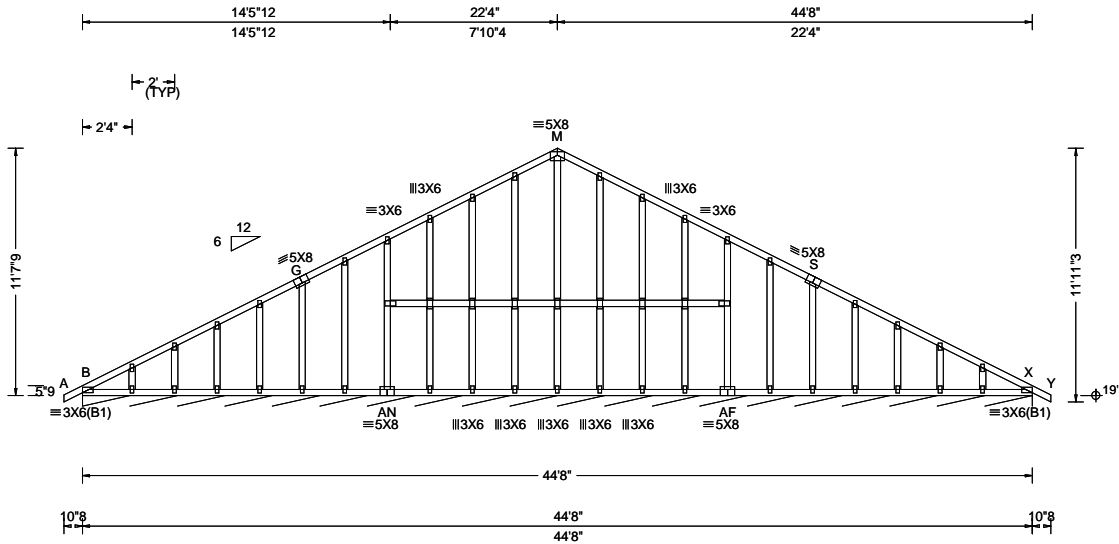
COA #0218

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SEQN: 133936 FROM: RDG	GABL Ply: 1 Qty: 4	Job Number: 374092 .1570 ,6U ,RC01 / 6 UNIT TOWNHOMES Truss Label: A1GE	Cust: R 8975 JRef: 1XWf89750119 T49 DrwNo: 015.24.0815.55650 KD / WHK 01/15/2024
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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 24.83 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.47 ft Loc. from endwall: not in 13.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: 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): 0.002 M 999 360 VERT(CL): 0.004 M 999 266 HORZ(LL): 0.013 Q - - HORZ(TL): 0.018 Q - - Creep Factor: 2.0 Max TC CSI: 0.093 Max BC CSI: 0.125 Max Web CSI: 0.285 VIEW Ver: 23.02.01A.1204.18	▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL X* 78 /- /- /38 /21 /11 Wind reactions based on MWFRS X Brg Wid = 536 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. G - M 518 -168 M - S 512 -95
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Lumber

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

Plating Notes

All plates are 2X4 except as noted.

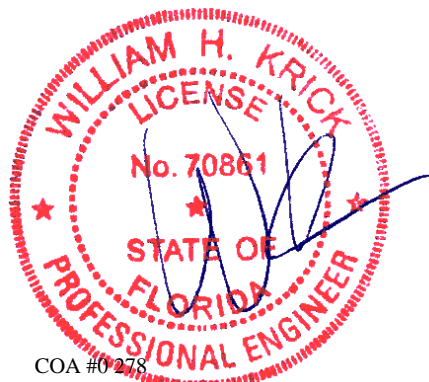
Loading

Truss designed to support 0-0-0 top chord outlookers and cladding load not to exceed 5.50 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.



COA #0278

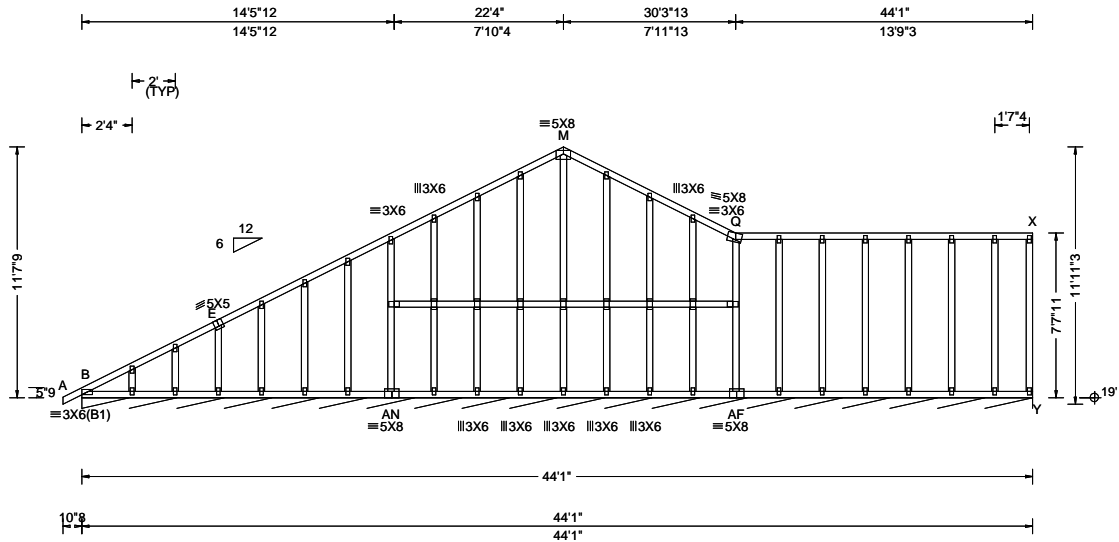
01/15/2024

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SEQN: 133938 FROM: RDG	GABL Ply: 1 Qty: 2	Job Number: 374092 .1570 ,6U ,RC01 / 6 UNIT TOWNHOMES Truss Label: A2GE	Cust: R 8975 JRef: 1XWf89750119 T33 DrwNo: 015.24.0815.57460 KD / WHK 01/15/2024
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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 24.83 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 4.41 ft Loc. from endwall: not in 13.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): -0.001 B 999 360 VERT(CL): 0.002 M 999 263 HORZ(LL): -0.018 N - - HORZ(TL): 0.024 N - - Creep Factor: 2.0 Max TC CSI: 0.091 Max BC CSI: 0.171 Max Web CSI: 0.121 VIEW Ver: 23.02.01A.1204.18	▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL Y* 77 /- /- /44 /28 /11 Wind reactions based on MWFRS Y Brg Wid = 529 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - E 336 -502 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. B -AN 523 -339
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Lumber

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

Plating Notes

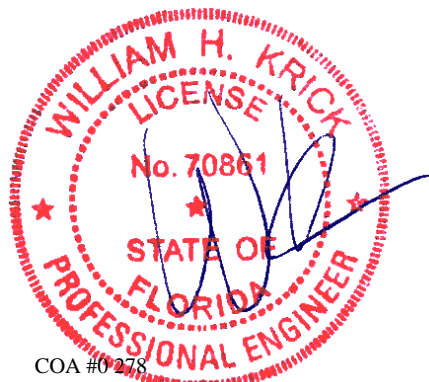
All plates are 2X4 except as noted.

Loading

Truss designed to support 0-0-0 top chord outlookers and cladding load not to exceed 5.50 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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



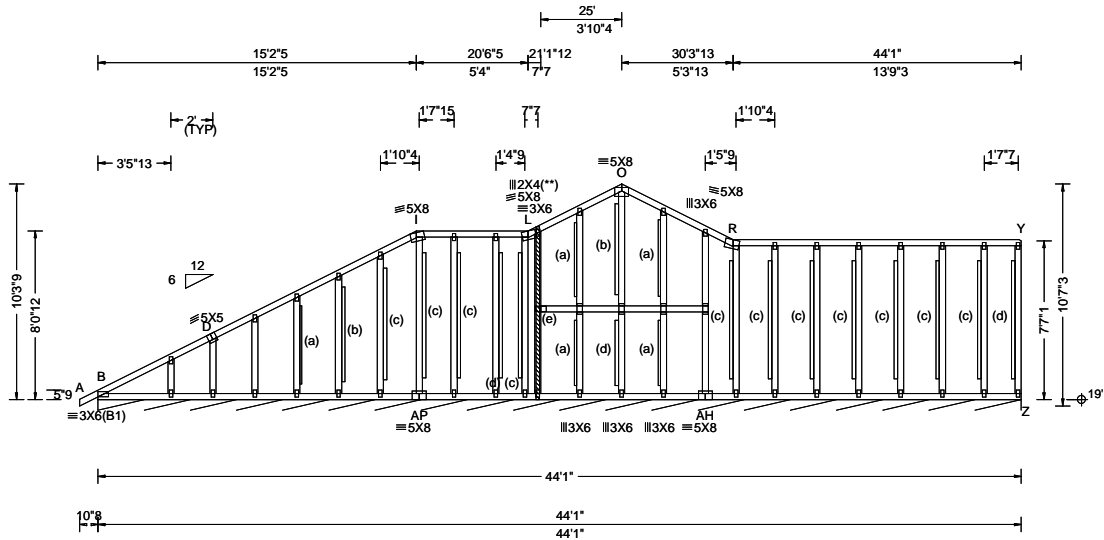
COA #0278

01/15/2024

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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 24.16 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 4.41 ft Loc. from endwall: not in 13.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): -0.003 B 999 360 VERT(CL): -0.003 B 999 263 HORZ(LL): -0.024 S - - HORZ(TL): 0.026 S - - Creep Factor: 2.0 Max TC CSI: 0.126 Max BC CSI: 0.169 Max Web CSI: 0.997 VIEW Ver: 23.02.01A.1204.18	▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL Z* 77 /- /- /44 /30 /10 Wind reactions based on MWFRS Z Brg Wid = 529 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - D 272 -482 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. B -AP 514 -281
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Lumber

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

Plating Notes

All plates are 2X4 except as noted.

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

Wind

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

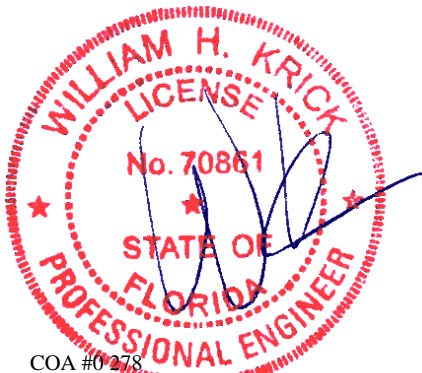
Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/271.

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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SEQN: 133865	GABL	Ply: 1	Job Number: 374092	Cust: R 8975 JRef: 1XWf89750119 T47
FROM: RDG		Qty: 2	,1570 ,6U ,RC01 / 6 UNIT TOWNHOMES	DrwNo: 015.24.0818.12737
Page 2 of 2			Truss Label: A6GE	KD / WHK 01/15/2024

Gable Reinforcement

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



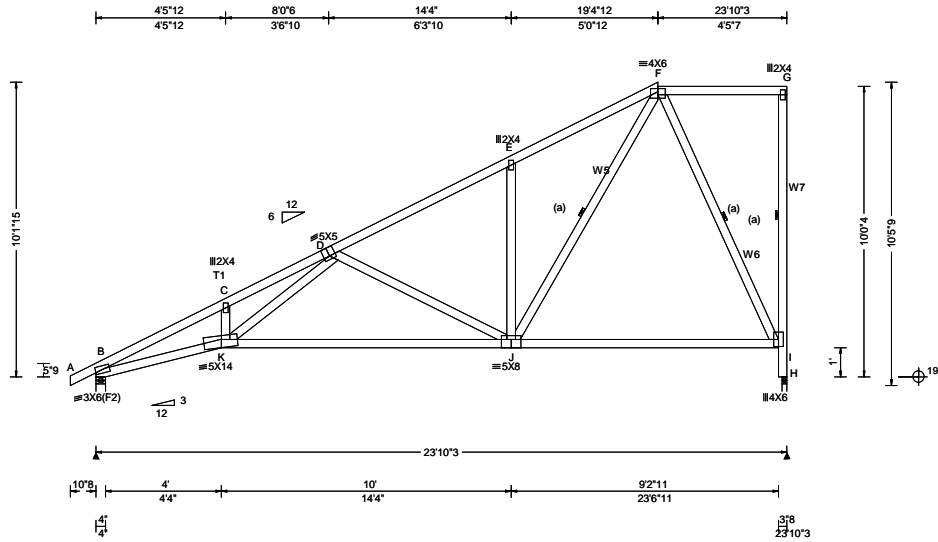
COA #0278

01/15/2024

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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 24.09 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): 0.150 C 999 360 VERT(CL): 0.258 C 999 240 HORZ(LL): 0.062 I - - HORZ(TL): 0.107 I - - Creep Factor: 2.0 Max TC CSI: 0.519 Max BC CSI: 0.900 Max Web CSI: 0.795 VIEW Ver: 23.02.01.1109.17	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 993 /- /- /644 /229 /443 H 1056 /- /- /591 /495 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) H Brg Wid = 2.0 Min Req = 1.5 (Support) Bearings B & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 1431 -2674 D - E 488 -1156 C - D 1517 -2582 E - F 683 -1136 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - K 2363 -1828 J - I 401 -364 K - J 1582 -1276 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. K - D 949 -683 J - F 1125 -660 D - J 657 -691 F - I 825 -879 E - J 392 -312 I - H 931 -1056
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Lumber

Top chord: 2x4 SP #2 N; T1 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3; W5,W6,W7 2x4 SP #2 N;

Bracing

(a) 1x4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails(0.113"x2.5",min.). Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.

(a) or scab reinforcement may be used in lieu of CLR restraint. substitute (1) scab for (1) CLR and (2) scabs for (2) CLR'S where shown. Scab reinforcement to be same size, species, grade, and 80% length of web member. Attach with 0.128x3" gun nails @ 6" oc.

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

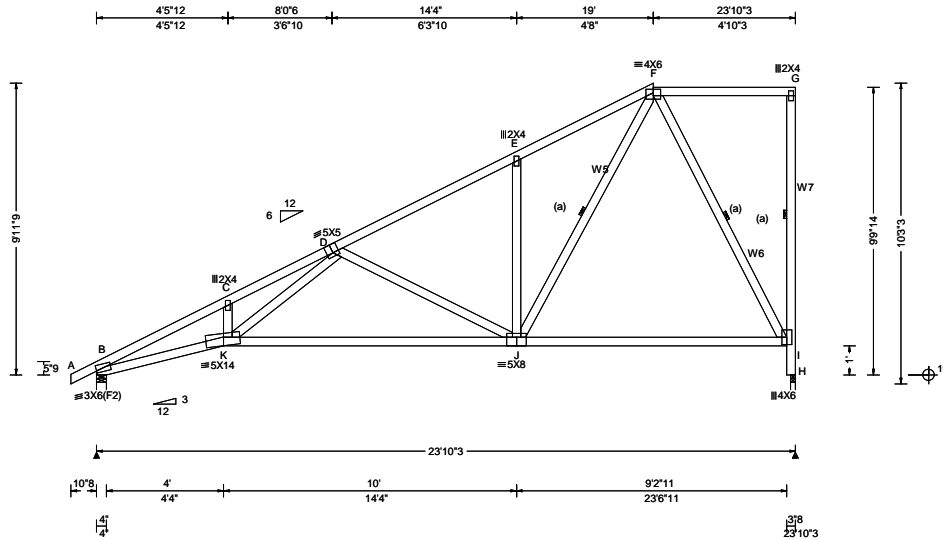
Drop leg not designed to support lateral loads from wall induced by wind. Provisions must be made to resist lateral loads from wall. Building designer must approve prior to fabrication.



COA #0 278
01/15/2024
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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 23.99 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): 0.166 C 999 360 VERT(CL): 0.287 C 986 240 HORZ(LL): 0.066 I - - HORZ(TL): 0.114 I - - Creep Factor: 2.0 Max TC CSI: 0.969 Max BC CSI: 0.905 Max Web CSI: 0.703 VIEW Ver: 23.02.01.1109.17	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 994 /- /- /644 /233 /433 H 1052 /- /- /584 /500 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) H Brg Wid = 2.0 Min Req = 1.5 (Support) Bearings B & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 1454 -2675 D - E 511 -1157 C - D 1544 -2589 E - F 695 -1130
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Lumber

Top chord: 2x4 SP #2 N;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3; W5,W6,W7 2x4 SP #2 N;

Bracing

(a) 1X4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails(0.113"x2.5",min.). Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.

(a) or scab reinforcement may be used in lieu of CLR restraint. substitute (1) scab for (1) CLR and (2) scabs for (2) CLR'S where shown. Scab reinforcement to be same size, species, grade, and 80% length of web member. Attach with 0.128x3" gun nails @ 6" oc.

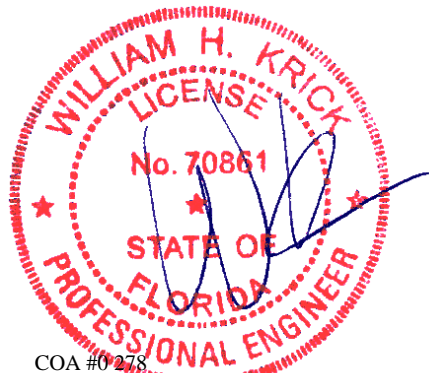
Loading

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

Drop leg not designed to support lateral loads from wall endured by wind. Provisions must be made to resist lateral loads from wall. Building designer must approve prior to fabrication.

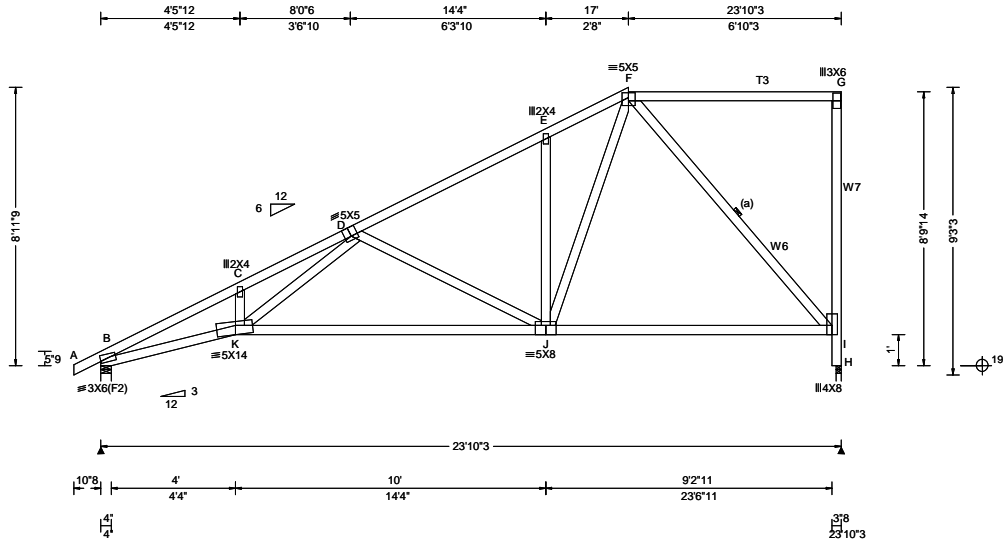


COA #0278

01/15/2024
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Lumber

Top chord: 2x4 SP #2 N; T3 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3; W6,W7 2x4 SP #2 N;

Bracing

(a) 1X4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails(0.113"x2.5",min.). Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.

(a) or scab reinforcement may be used in lieu of CLR restraint. substitute (1) scab for (1) CLR and (2) scabs for (2) CLR'S where shown. Scab reinforcement to be same size, species, grade, and 80% length of web member. Attach with 0.128x3" gun nails @ 6" oc.

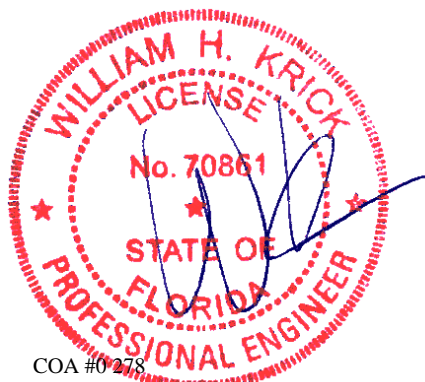
Loading

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

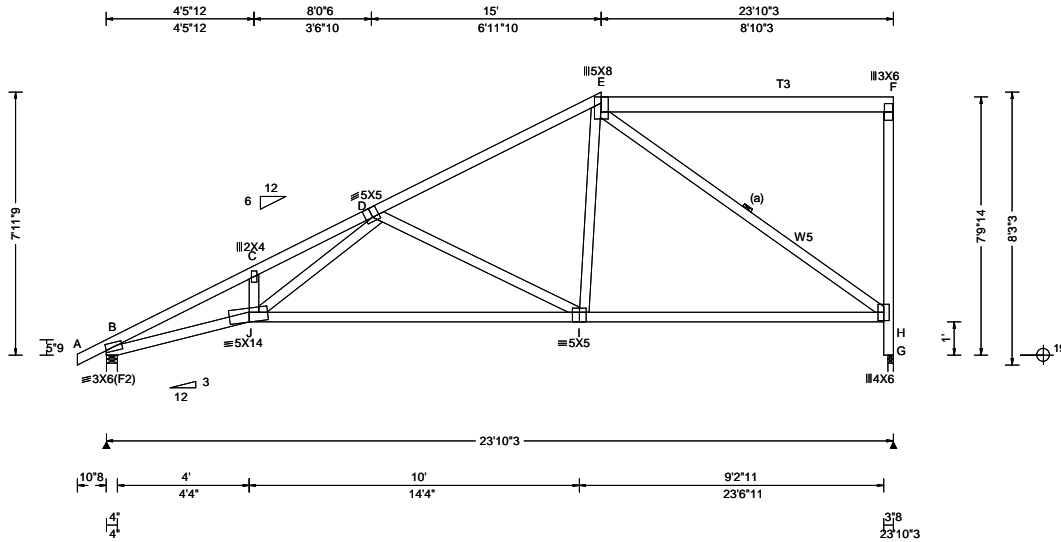
Drop leg not designed to support lateral loads from wall induced by wind. Provisions must be made to resist lateral loads from wall. Building designer must approve prior to fabrication.



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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 22.99 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): 0.164 C 999 360 VERT(CL): 0.289 C 979 240 HORZ(LL): 0.069 H - - HORZ(TL): 0.121 H - - Creep Factor: 2.0 Max TC CSI: 0.985 Max BC CSI: 0.811 Max Web CSI: 0.666 VIEW Ver: 23.02.01.1109.17	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 997 /- /- /640 /365 /413 G 994 /- /- /523 /536 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) G Brg Wid = 2.0 Min Req = 1.5 (Support) Bearings B & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 1767 -2698 D - E 818 -1163 C - D 1847 -2610
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Lumber

Top chord: 2x4 SP #2 N; T3 2x6 SP SS;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3; W5 2x4 SP #2 N;

Bracing

(a) 1X4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails(0.113"x2.5",min.). Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.
(a) or scab reinforcement may be used in lieu of CLR restraint. substitute (1) scab for (1) CLR and (2) scabs for (2) CLR'S where shown. Scab reinforcement to be same size, species, grade, and 80% length of web member. Attach with 0.128x3" gun nails @ 6" oc.

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.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.
Drop leg not designed to support lateral loads from wall induced by wind. Provisions must be made to resist lateral loads from wall. Building designer must approve prior to fabrication.

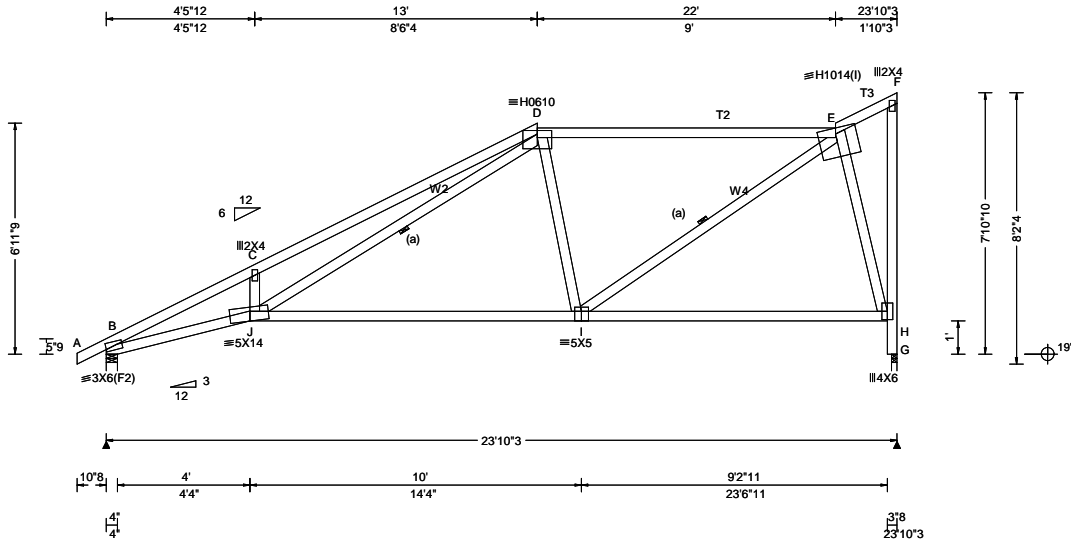


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Lumber
Top chord: 2x4 SP 2400f-2.0E; T2 2x4 SP #1;
T3 2x4 SP #2 N;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3; W2,W4 2x4 SP #2 N;

Bracing
(a) 1X4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails(0.113"x2.5",min.). Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.
(a) or scab reinforcement may be used in lieu of CLR restraint. substitute (1) scab for (1) CLR and (2) scabs for (2) CLR'S where shown. Scab reinforcement to be same size, species, grade, and 80% length of web member. Attach with 0.128x3" gun nails @ 6" oc.

Plating Notes
(l) - plates so marked were sized using 0% Fabrication Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance.

Loading
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.
Drop leg not designed to support lateral loads from wall induced by wind. Provisions must be made to resist lateral loads from wall. Building designer must approve prior to fabrication.

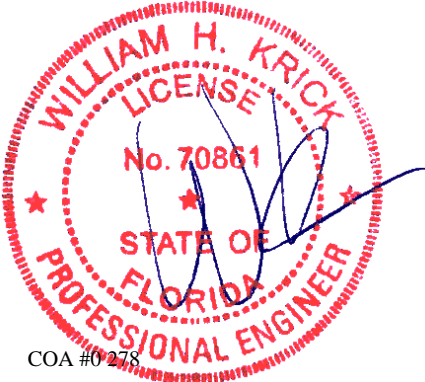
Wind
Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - J	2627 -2354	I - H	319 -412
J - I	1153 -1208		

Maximum Web Forces Per Ply (lbs)

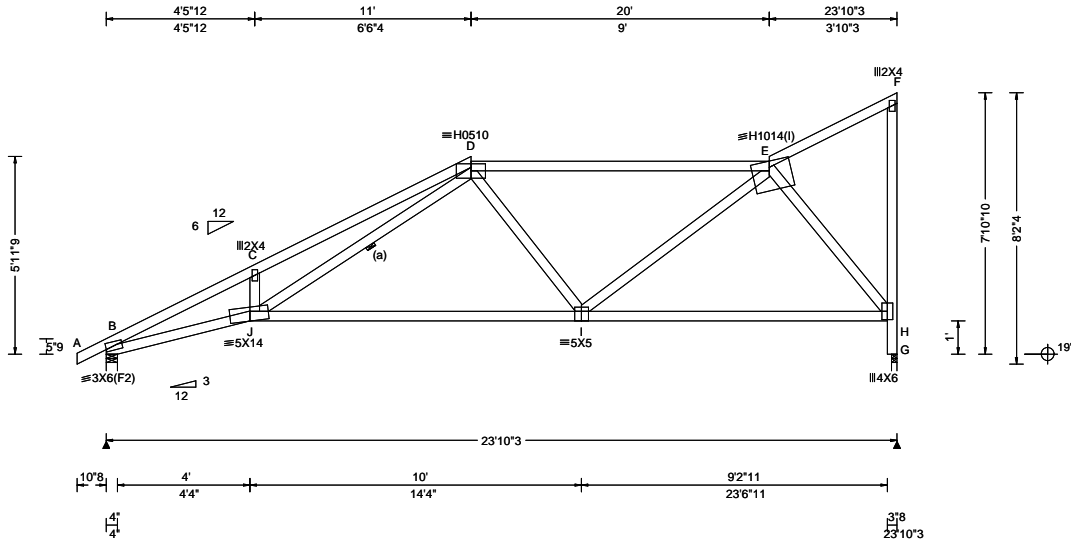
Webs	Tens.Comp.	Webs	Tens. Comp.
J - D	1687 -1327	E - H	1364 -1029
D - I	598 -207	H - G	1052 -1047
I - E	976 -815		



COA #0 278
01/15/2024
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org





Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 22.96 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): 0.162 C 999 360 VERT(CL): 0.302 C 935 240 HORZ(LL): 0.068 C - - HORZ(TL): 0.128 C - - Creep Factor: 2.0 Max TC CSI: 0.888 Max BC CSI: 0.745 Max Web CSI: 0.952 VIEW Ver: 23.02.01.1109.17	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 954 /- /- /613 /368 /408 G 895 /- /- /547 /494 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) G Brg Wid = 2.0 Min Req = 1.5 (Support) Bearings B & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 2241 -2624 D - E 1105 -1094 C - D 2366 -2589 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - J 2328 -2436 I - H 650 -857 J - I 1190 -1520 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. J - D 1317 -1062 E - H 1343 -1010 D - I 507 -163 H - G 1030 -895 I - E 599 -478
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Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Bracing

(a) 1X4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails(0.113"x2.5",min.). Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.

(a) or scab reinforcement may be used in lieu of CLR restraint. substitute (1) scab for (1) CLR and (2) scabs for (2) CLR'S where shown. Scab reinforcement to be same size, species, grade, and 80% length of web member. Attach with 0.128x3" gun nails @ 6" oc.

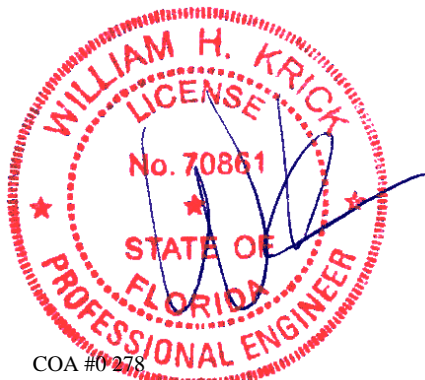
Plating Notes

(l) - plates so marked were sized using 0% Fabrication Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance.

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.

Drop leg not designed to support lateral loads from wall induced by wind. Provisions must be made to resist lateral loads from wall. Building designer must approve prior to fabrication.

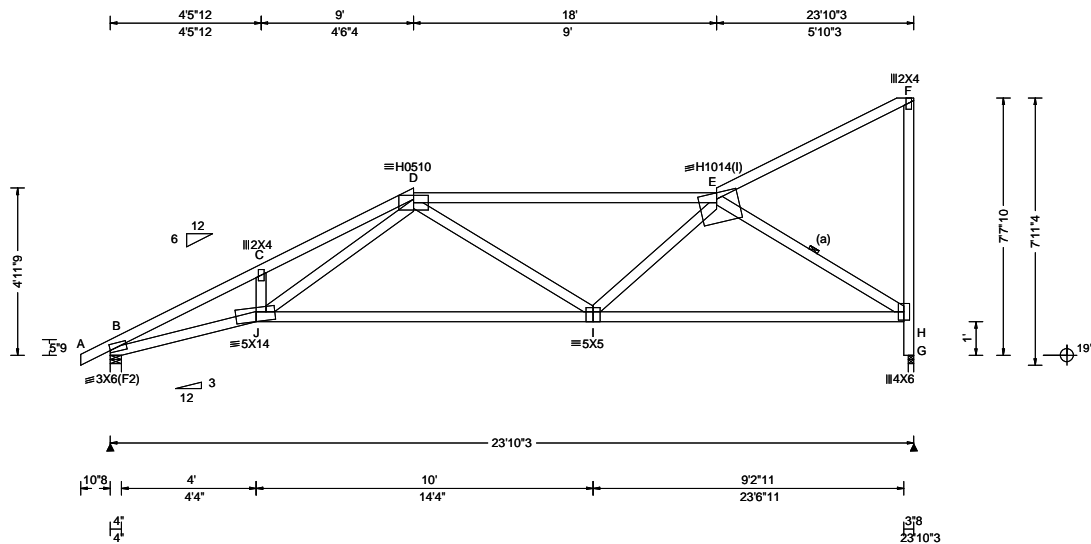


COA #0278

Florida Certificate of Product Approval #FL 1999

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 22.83 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.139 C 999 360 VERT(CL): 0.260 C 999 240 HORZ(LL): 0.061 H - - HORZ(TL): 0.114 H - - Creep Factor: 2.0 Max TC CSI: 0.884 Max BC CSI: 0.755 Max Web CSI: 0.668 VIEW Ver: 23.02.01.1109.17	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 954 /- /- /600 /373 /409 G 887 /- /- /544 /455 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) G Brg Wid = 2.0 Min Req = 1.5 (Support) Bearings B & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 2468 -2582 D - E 1387 -1386 C - D 2498 -2485

Lumber
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Drop leg not designed to support lateral loads from wall induced by wind. Provisions must be made to resist lateral loads from wall. Building designer must approve prior to fabrication.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - J	2282 -2738	I - H	1150 -1544
J - I	1408 -2032		

Bracing
(a) 1X4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails(0.113"x2.5",min.). Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.
(a) or scab reinforcement may be used in lieu of CLR restraint. substitute (1) scab for (1) CLR and (2) scabs for (2) CLR'S where shown. Scab reinforcement to be same size, species, grade, and 80% length of web member. Attach with 0.128x3" gun nails @ 6" oc.

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
J - D	1025 -814	E - H	1658 -1337
D - I	435 -27	H - G	949 -887
I - E	482 -179		

Plating Notes
(l) - plates so marked were sized using 0% Fabrication Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance.

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.

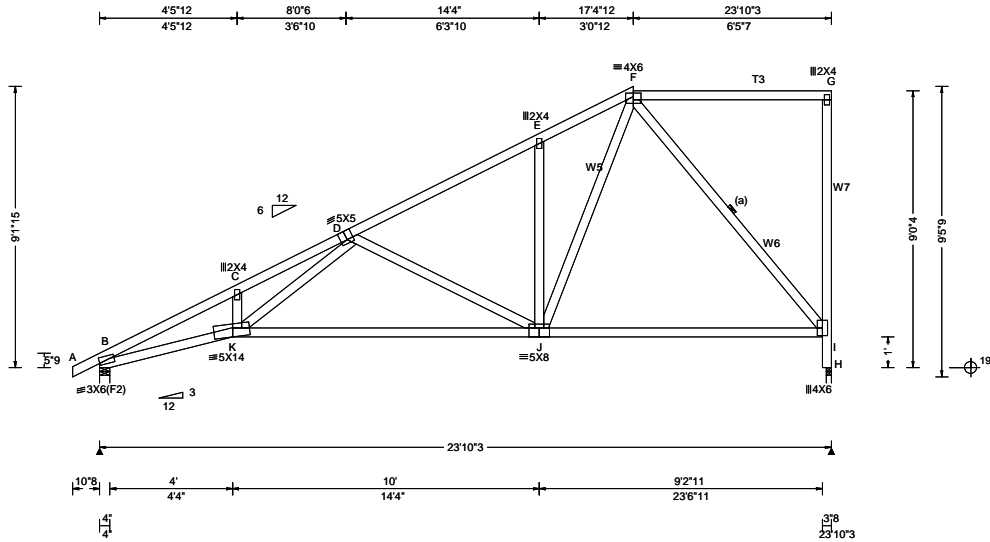
Blocking
Blocking reinforcement required to prevent buckling of members over the bearings:
Bearing 2 located at 23.7' (blocking >= 11975.82" if used)



COA #0278
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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 23.59 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): 0.165 C 999 360 VERT(CL): 0.286 C 989 240 HORZ(LL): 0.067 I - - HORZ(TL): 0.116 I - - Creep Factor: 2.0 Max TC CSI: 0.974 Max BC CSI: 0.894 Max Web CSI: 0.656 VIEW Ver: 23.02.01.1109.17	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 996 /- /- /644 /256 /394 H 1033 /- /- /558 /517 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) H Brg Wid = 2.0 Min Req = 1.5 (Support) Bearings B & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 1564 -2683 D - E 614 -1160 C - D 1645 -2596 E - F 740 -1099
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Lumber

Top chord: 2x4 SP #2 N; T3 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3; W5,W6,W7 2x4 SP #2 N;

Bracing

(a) 1X4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails(0.113"x2.5",min.). Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.

(a) or scab reinforcement may be used in lieu of CLR restraint. substitute (1) scab for (1) CLR and (2) scabs for (2) CLR'S where shown. Scab reinforcement to be same size, species, grade, and 80% length of web member. Attach with 0.128x3" gun nails @ 6" oc.

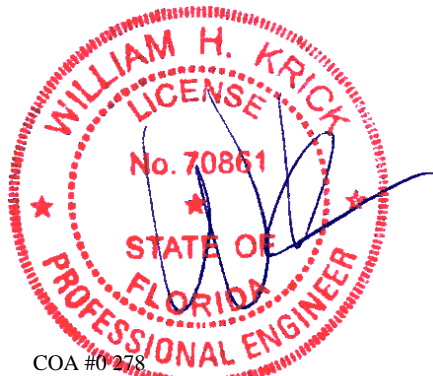
Loading

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

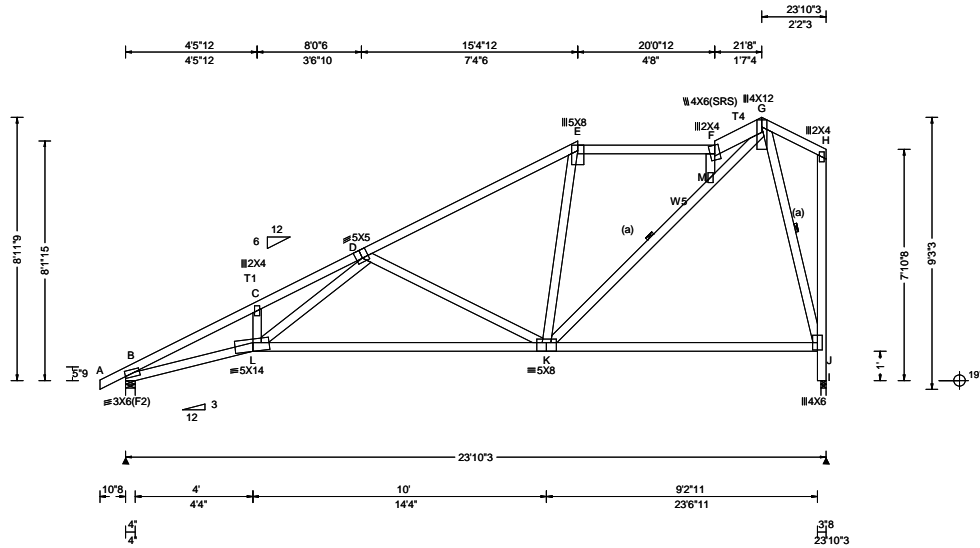
Drop leg not designed to support lateral loads from wall induced by wind. Provisions must be made to resist lateral loads from wall. Building designer must approve prior to fabrication.



COA #0278
01/15/2024
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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 23.49 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): 0.165 F 999 360 VERT(CL): 0.287 F 986 240 HORZ(LL): 0.066 C - - HORZ(TL): 0.114 C - - Creep Factor: 2.0 Max TC CSI: 0.829 Max BC CSI: 0.807 Max Web CSI: 0.872 VIEW Ver: 23.02.01.1109.17	▲ Maximum Reactions (lbs) Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 979 /- /- /629 /278 /371 I 1046 /- /- /522 /408 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) I Brg Wid = 2.0 Min Req = 1.5 (Support) Bearings B & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 1691 -2634 E - F 836 -914 C - D 1756 -2533 F - G 843 -932 D - E 745 -1108 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - L 2326 -1914 L - K 1560 -1384 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. L - D 929 -652 M - G 1085 -980 D - K 691 -720 G - J 1036 -979 K - M 892 -738 J - I 877 -1046
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Lumber

Top chord: 2x4 SP #2 N; T1 2x4 SP #1;
T4 2x6 SP #2 N;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3; W5 2x4 SP 2400f-2.0E;

Bracing

(a) 1X4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails(0.113"x2.5",min.). Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.
(a) or scab reinforcement may be used in lieu of CLR restraint. substitute (1) scab for (1) CLR and (2) scabs for (2) CLR'S where shown. Scab reinforcement to be same size, species, grade, and 80% length of web member. Attach with 0.128x3" gun nails @ 6" oc.

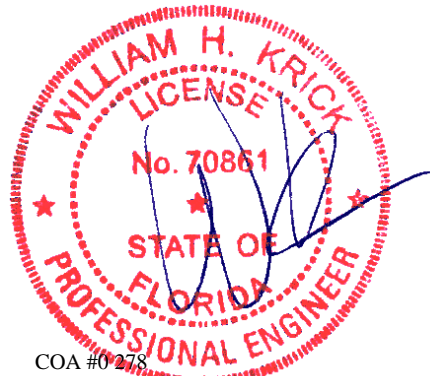
Loading

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

Drop leg not designed to support lateral loads from wall induced by wind. Provisions must be made to resist lateral loads from wall. Building designer must approve prior to fabrication.

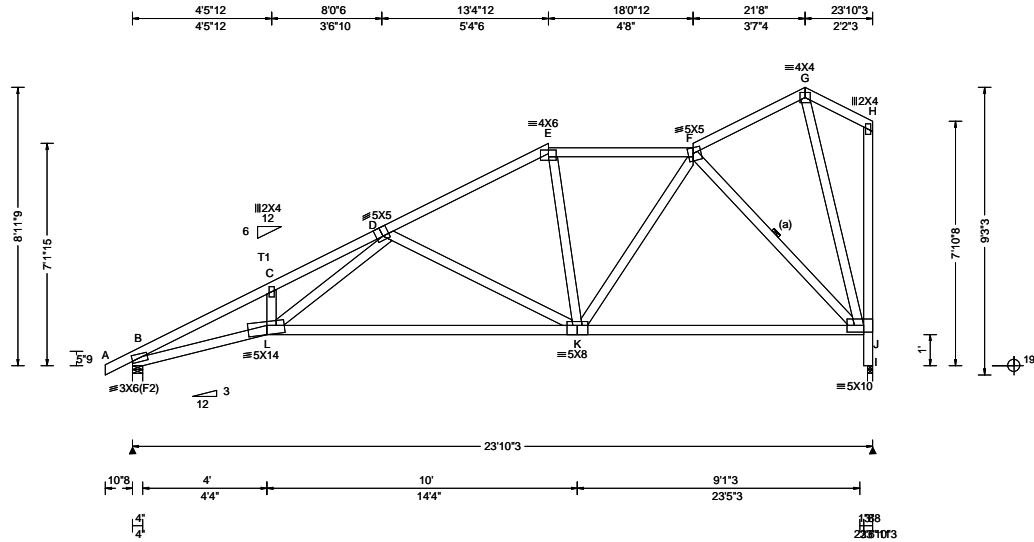


COA #0278

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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 23.49 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): 0.141 C 999 360 VERT(CL): 0.252 C 999 240 HORZ(LL): 0.061 J - - HORZ(TL): 0.109 J - - Creep Factor: 2.0 Max TC CSI: 0.723 Max BC CSI: 0.797 Max Web CSI: 0.610 VIEW Ver: 23.02.01.1109.17	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 980 /- /- /622 /289 /371 I 982 /- /- /530 /398 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) I Brg Wid = 2.0 Min Req = 1.5 (Support) Bearings B & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 1859 -2648 D - E 862 -1129 C - D 1938 -2562 E - F 855 -983 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - L 2340 -2092 K - J 716 -721 L - K 1537 -1494 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. L - D 980 -736 F - J 967 -945 D - K 643 -652 J - I 887 -982 K - F 495 -348
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Lumber

Top chord: 2x4 SP #2 N; T1 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Bracing

(a) 1X4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails(0.113"x2.5",min.). Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.

(a) or scab reinforcement may be used in lieu of CLR restraint. substitute (1) scab for (1) CLR and (2) scabs for (2) CLR'S where shown. Scab reinforcement to be same size, species, grade, and 80% length of web member. Attach with 0.128x3" gun nails @ 6" oc.

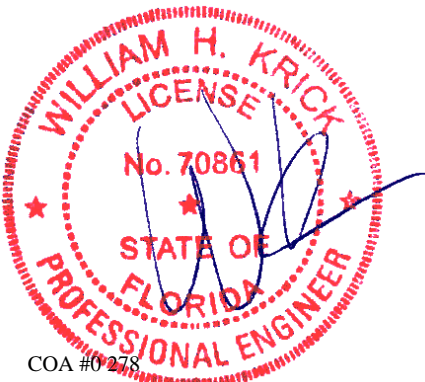
Loading

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

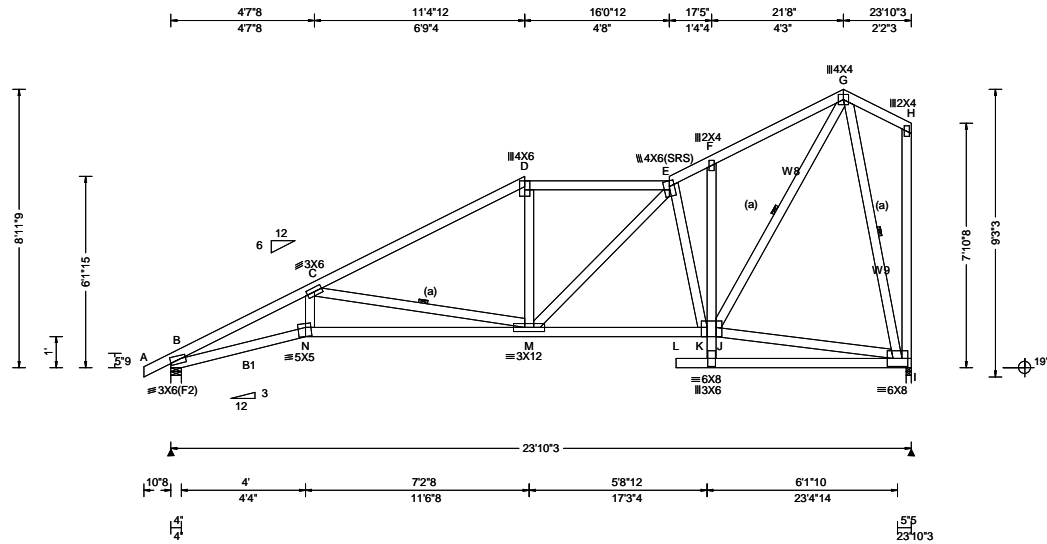
Drop leg not designed to support lateral loads from wall induced by wind. Provisions must be made to resist lateral loads from wall. Building designer must approve prior to fabrication.



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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 23.49 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.165 C 999 360 VERT(CL): 0.310 C 916 240 HORZ(LL): 0.086 I - - HORZ(TL): 0.162 I - - Creep Factor: 2.0 Max TC CSI: 0.668 Max BC CSI: 0.850 Max Web CSI: 0.840 VIEW Ver: 23.02.01.1109.17	▲ Maximum Reactions (lbs) Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 960 /- /- /624 /299 /371 I 896 /- /- /553 /375 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) I Brg Wid = 2.0 Min Req = 1.5 (Truss) Bearings B & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 2089 -2654 E - F 806 -905 C - D 1110 -1368 F - G 940 -950 D - E 1122 -1167 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - N 2362 -2317 M - J 1000 -1041 N - M 2216 -2207 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. N - C 578 -389 J - G 1197 -1215 C - M 997 -1077 G - I 826 -831 E - J 875 -720
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Lumber

Top chord: 2x4 SP #2 N;
Bot chord: 2x4 SP #2 N; B1 2x4 SP #1;
Webs: 2x4 SP #3; W8,W9 2x4 SP #2 N;

Bracing

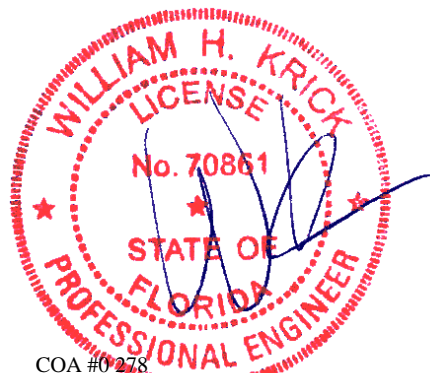
(a) 1X4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails(0.113"x2.5",min.). Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.

(a) or scab reinforcement may be used in lieu of CLR restraint. substitute (1) scab for (1) CLR and (2) scabs for (2) CLR'S where shown. Scab reinforcement to be same size, species, grade, and 80% length of web member. Attach with 0.128x3" gun nails @ 6" oc.

Wind

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

Note: Laterally brace bottom chord above filler at 20" O.C.Max. including a lateral brace at chord ends.

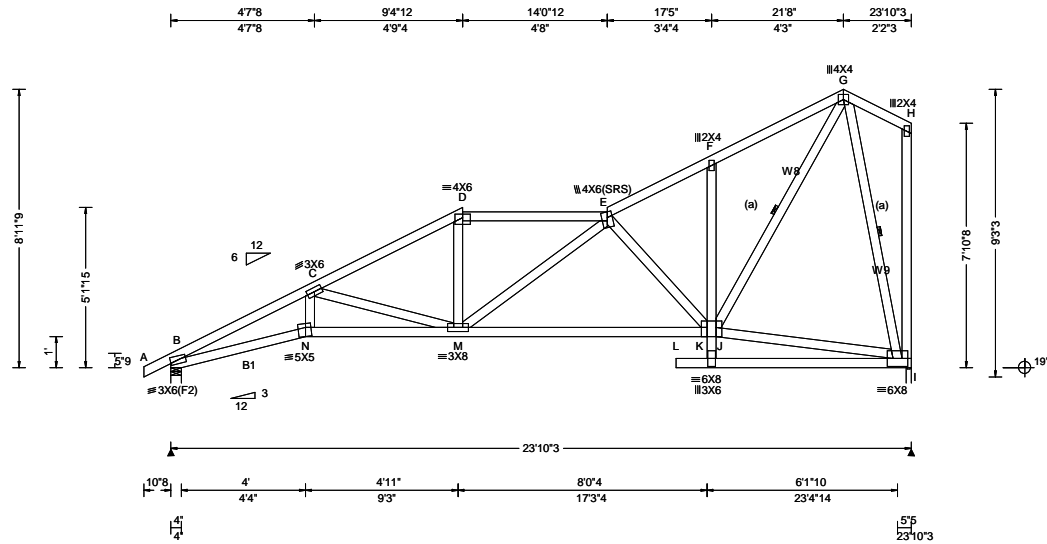


COA #0278

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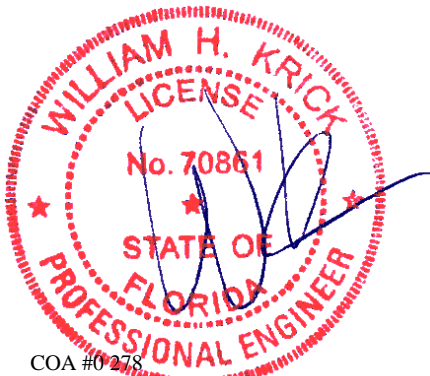


Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 23.49 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.144 C 999 360 VERT(CL): 0.270 C 999 240 HORZ(LL): 0.081 I - - HORZ(TL): 0.151 I - - Creep Factor: 2.0 Max TC CSI: 0.814 Max BC CSI: 0.995 Max Web CSI: 0.806 VIEW Ver: 23.02.01.1109.17	Gravity Loc R+ / R- / Rh / Rw / U / RL B 960 /- /- /617 /310 /371 I 896 /- /- /560 /364 /- Non-Gravity Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) I Brg Wid = 2.0 Min Req = 1.5 (Truss) Bearings B & I are a rigid surface. Bearing I requires a seat plate. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 2145 -2560 E - F 752 -941 C - D 1357 -1612 F - G 905 -953 D - E 1321 -1394

Lumber
Top chord: 2x4 SP #2 N;
Bot chord: 2x4 SP #2 N; B1 2x4 SP #1;
Webs: 2x4 SP #3; W8,W9 2x4 SP #2 N;

Bracing
(a) 1X4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails(0.113"x2.5",min.). Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.
(a) or scab reinforcement may be used in lieu of CLR restraint. substitute (1) scab for (1) CLR and (2) scabs for (2) CLR'S where shown. Scab reinforcement to be same size, species, grade, and 80% length of web member. Attach with 0.128x3" gun nails @ 6" oc.

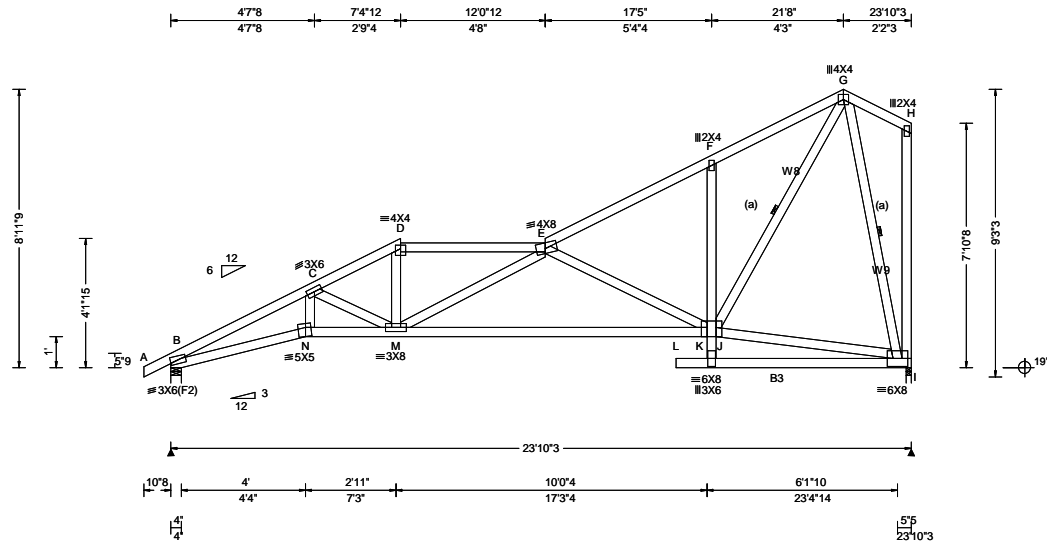
Wind
Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.
Note: Laterally brace bottom chord above filler at 20" O.C.Max. including a lateral brace at chord ends.



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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 23.49 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.145 M 999 360 VERT(CL): 0.272 M 999 240 HORZ(LL): 0.078 I - - HORZ(TL): 0.147 I - - Creep Factor: 2.0 Max TC CSI: 0.843 Max BC CSI: 0.795 Max Web CSI: 0.917 VIEW Ver: 23.02.01.1109.17	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 960 /- /- /610 /364 /408 I 896 /- /- /568 /449 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) I Brg Wid = 2.0 Min Req = 1.5 (Truss) Bearings B & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 2201 -2496 E - F 695 -980 C - D 1642 -1918 F - G 881 -970 D - E 1549 -1690 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - N 2202 -2399 M - J 1930 -2014 N - M 2091 -2278 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. N - C 391 -439 F - J 384 -292 C - M 550 -422 J - G 1223 -1124 M - D 565 -298 G - I 753 -836 E - J 1414 -1241
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Lumber

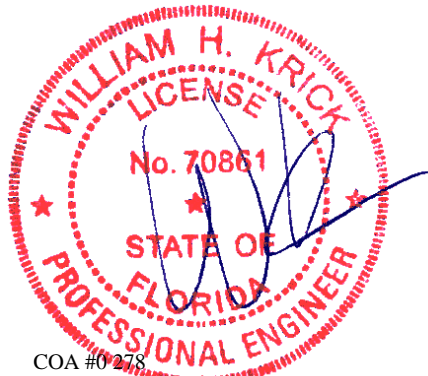
Top chord: 2x4 SP #2 N;
Bot chord: 2x4 SP #1; B3 2x4 SP #2 N;
Webs: 2x4 SP #3; W8,W9 2x4 SP #2 N;

Bracing

(a) 1X4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails(0.113"x2.5",min.). Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.
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Wind

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



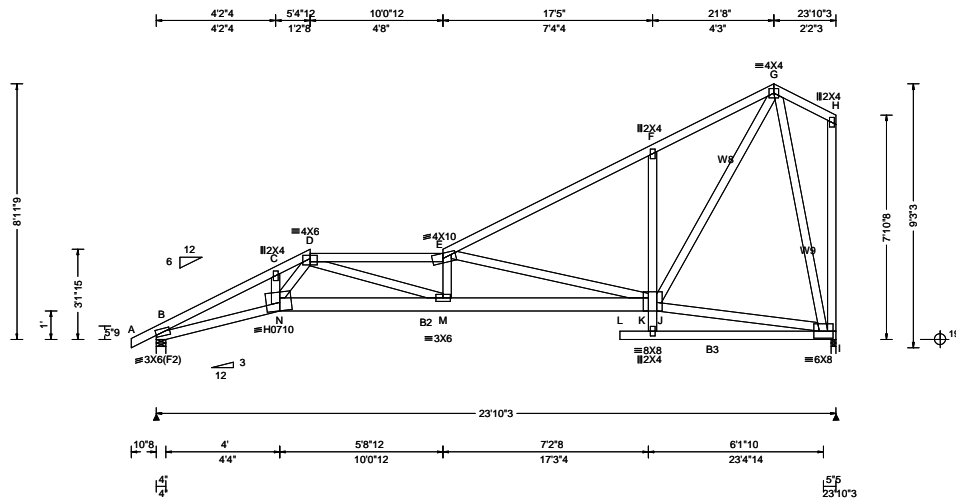
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2 Complete Trusses Required



Loading Criteria (psf) TCCL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 23.49 ft TCCL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.209 E 999 360 VERT(CL): 0.390 E 729 240 HORZ(LL): 0.087 I - - HORZ(TL): 0.162 I - - Creep Factor: 2.0 Max TC CSI: 0.757 Max BC CSI: 0.797 Max Web CSI: 0.889 VIEW Ver: 23.02.01A.1204.18	▲ Maximum Reactions (lbs) <table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>1891</td> <td>-</td> <td>-</td> <td>-</td> <td>1119</td> <td>-</td> </tr> <tr> <td>I</td> <td>1111</td> <td>-</td> <td>-</td> <td>-</td> <td>714</td> <td>-</td> </tr> </tbody> </table> <p>Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) I Brg Wid = 2.0 Min Req = 1.5 (Truss) Bearings B & I are a rigid surface. Members not listed have forces less than 375#</p>						Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	B	1891	-	-	-	1119	-	I	1111	-	-	-	714	-
				Loc	Gravity			Non-Gravity																												
R+	/R-	/Rh	/Rw		/U	/RL																														
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Lumber

Top chord: 2x4 SP #2 N;
 Bot chord: 2x4 SP 2400f-2.0E; B2 2x6 SP #2 N;
 B3 2x4 SP #2 N;
 Webs: 2x4 SP #3; W8,W9 2x4 SP #2 N;

Nailnote

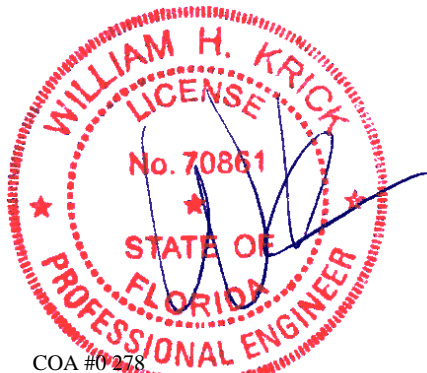
Nail Schedule: 0.128"x3" nails
 Top Chord: 1 Row @12.00" o.c.
 Bot Chord: 1 Row @12.00" o.c.
 Webs : 1 Row @ 4" o.c.
 Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
 TC: From 56 plf at -0.88 to 56 plf at 23.85
 BC: From 21 plf at 0.00 to 21 plf at 4.33
 BC: From 20 plf at 4.33 to 20 plf at 23.85
 BC: 1147 lb Conc. Load at 4.60

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.
 Note: Laterally brace bottom chord above filler at 2'0" O.C.Max. including a lateral brace at chord ends.



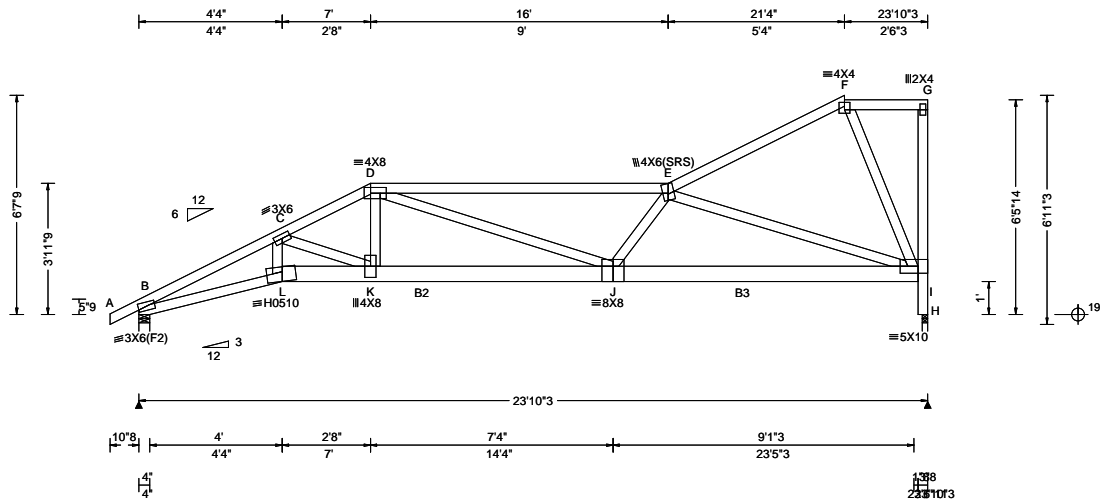
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2 Complete Trusses Required



Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 22.33 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): -0.178 K 999 360 VERT(CL): 0.328 K 862 240 HORZ(LL): -0.070 I - - HORZ(TL): 0.128 I - - Creep Factor: 2.0 Max TC CSI: 0.792 Max BC CSI: 0.621 Max Web CSI: 0.974 VIEW Ver: 23.02.01A.1204.18	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 2123 /- /- /- /1371 /- H 1488 /- /- /- /954 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) H Brg Wid = 2.0 Min Req = 1.5 (Support) Bearings B & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 1991 -3131 D - E 1263 -2072 C - D 1817 -2864
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Lumber

Top chord: 2x4 SP #2 N;
Bot chord: 2x4 SP 2400f-2.0E; B2 2x6 SP SS;
B3 2x6 SP #2 N;
Webs: 2x4 SP #3;

Nailnote

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

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 56 plf at -0.88 to 56 plf at 7.00
TC: From 28 plf at 7.00 to 28 plf at 8.94
TC: From 56 plf at 8.94 to 56 plf at 23.85
BC: From 21 plf at 0.00 to 21 plf at 4.33
BC: From 20 plf at 4.33 to 20 plf at 7.03
BC: From 10 plf at 7.03 to 10 plf at 8.94
BC: From 20 plf at 8.94 to 20 plf at 23.56
TC: 337 lb Conc. Load at 7.03
BC: 497 lb Conc. Load at 7.03
BC: 1001 lb Conc. Load at 8.94

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.

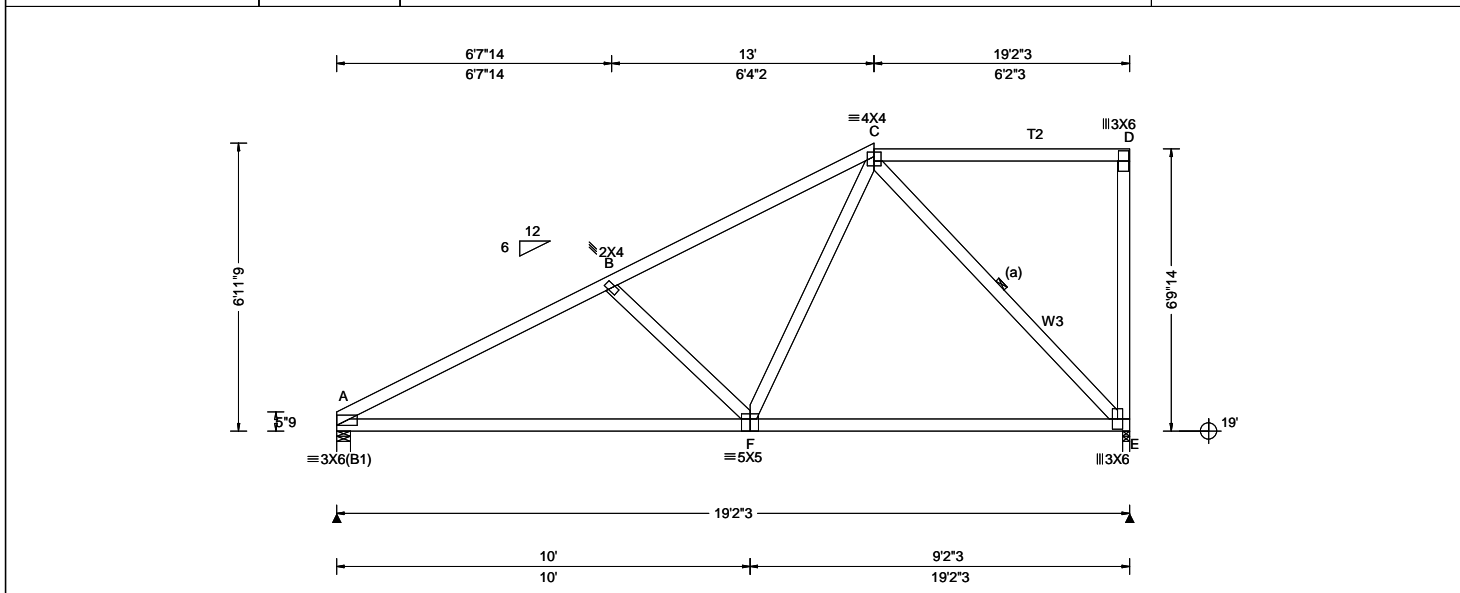


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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 22.71 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): 0.036 B 999 360 VERT(CL): 0.064 B 999 240 HORZ(LL): 0.012 E - - HORZ(TL): 0.021 E - - Creep Factor: 2.0 Max TC CSI: 0.871 Max BC CSI: 0.763 Max Web CSI: 0.292 VIEW Ver: 23.02.01.1109.17	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 773 /- /- /478 /263 /343 E 821 /- /- /437 /413 /- Wind reactions based on MWFRS A Brg Wid = 4.0 Min Req = 1.5 (Truss) E Brg Wid = 2.0 Min Req = 1.5 (Truss) Bearings A & E are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 739 -1233 B - C 607 -956 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - F 1038 -982 F - E 501 -505 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. B - F 515 -376 C - E 738 -732 F - C 659 -277 D - E 400 -172
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Lumber

Top chord: 2x4 SP #2 N; T2 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3; W3 2x4 SP #2 N;

Bracing

(a) 1X4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails(0.113"x2.5",min.). Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.

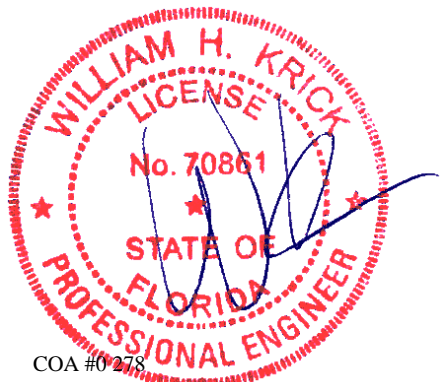
(a) or scab reinforcement may be used in lieu of CLR restraint. substitute (1) scab for (1) CLR and (2) scabs for (2) CLR'S where shown. Scab reinforcement to be same size, species, grade, and 80% length of web member. Attach with 0.128x3" gun nails @ 6" oc.

Loading

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

Wind

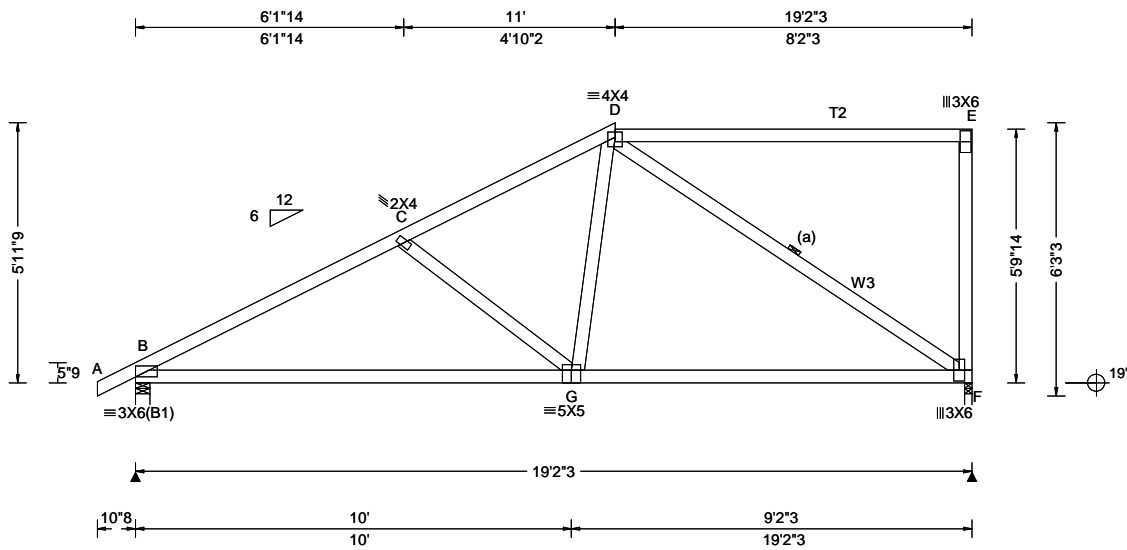
Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.



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Lumber
Top chord: 2x4 SP #2 N; T2 2x4 SP 2400f-2.0E;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3; W3 2x4 SP #2 N;

Bracing
(a) 1X4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails(0.113"x2.5",min.). Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.
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Loading
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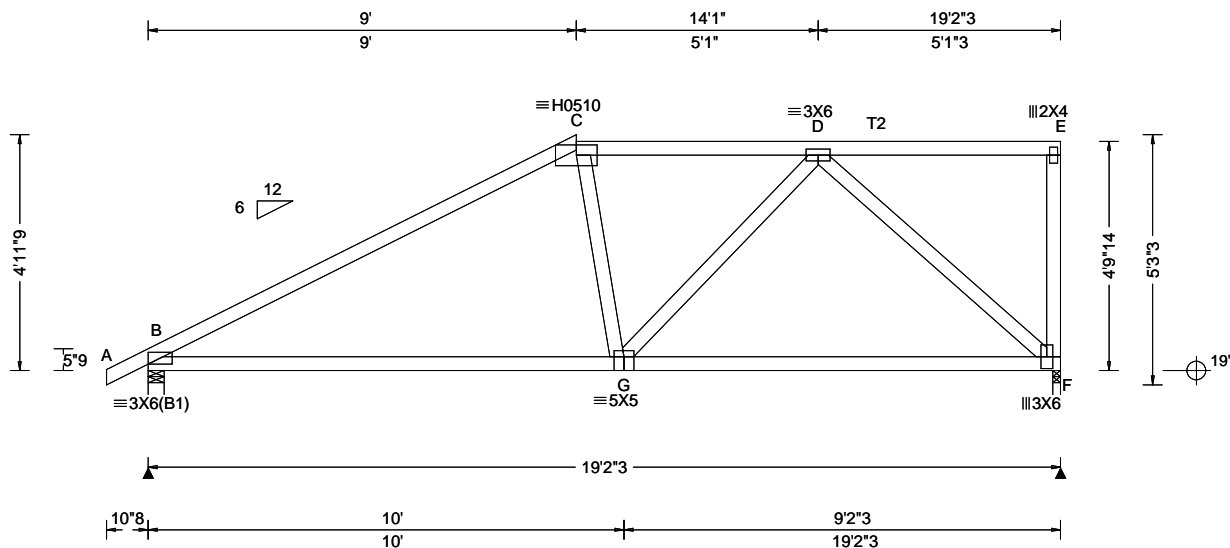
Wind
Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.



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Lumber
 Top chord: 2x4 SP #1; T2 2x4 SP #2 N;
 Bot chord: 2x4 SP #1;
 Webs: 2x4 SP #3;

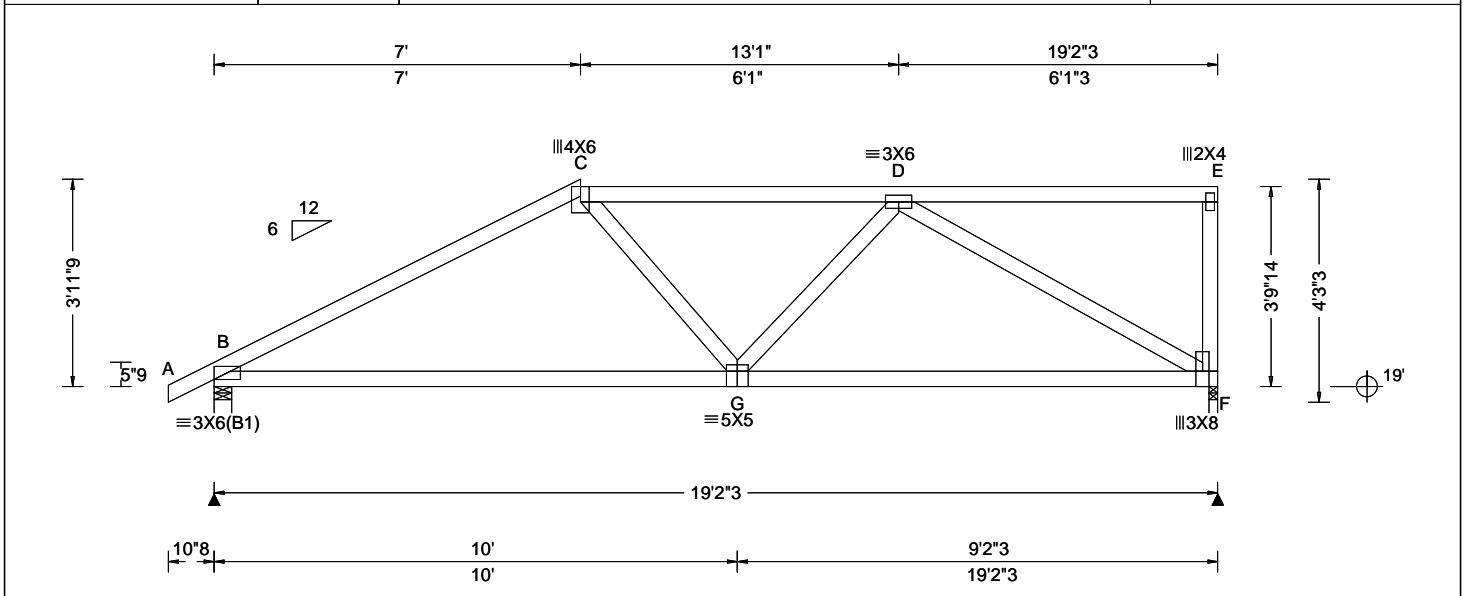
Wind
 Wind loads based on MWFRS with additional C&C member design.
 Right end vertical not exposed to wind pressure.
 Wind loading based on both gable and hip roof types.



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Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 1297 - 1093 C - D 1279 - 991																																				

Lumber
 Top chord: 2x4 SP #2 N;
 Bot chord: 2x4 SP #1;
 Webs: 2x4 SP #3;

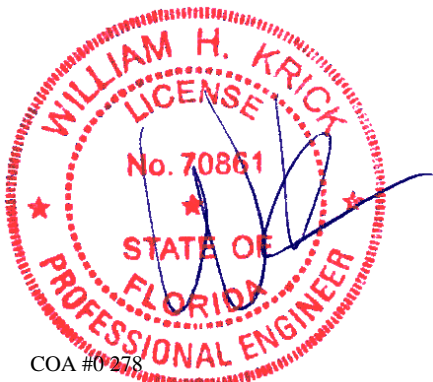
Wind
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 Right end vertical not exposed to wind pressure.
 Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - G	909 - 1282	G - F	883 - 1368

Maximum Web Forces Per Ply (lbs)

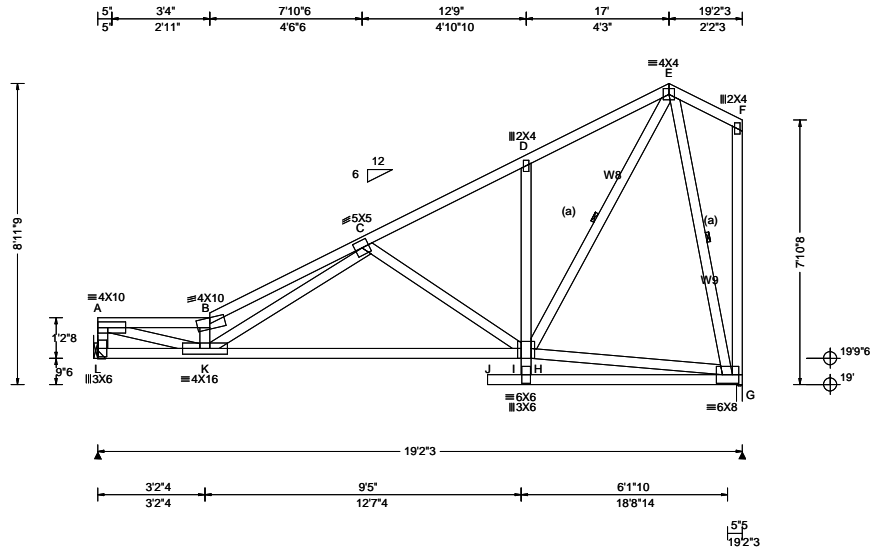
Webs	Tens.Comp.
D - F	1562 - 1001



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Lumber
Top chord: 2x4 SP #2 N;
Bot chord: 2x4 SP #2 N;
Webs: 2x4 SP #3; W8,W9 2x4 SP #2 N;

Bracing
(a) 1X4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails(0.113"x2.5",min.). Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.
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Wind
Wind loads based on MWFRS with additional C&C member design.
End verticals not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

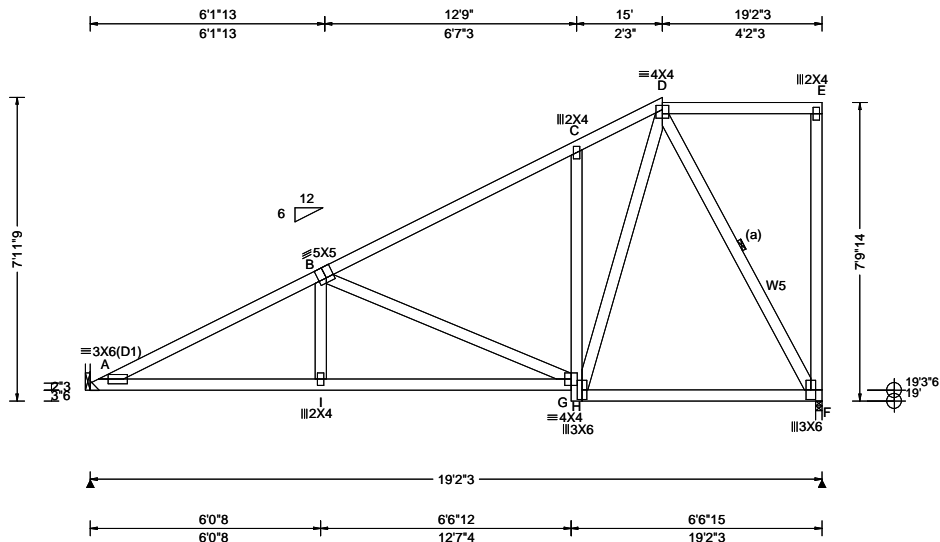
Note: Laterally brace bottom chord above filler at 20" O.C.Max. including a lateral brace at chord ends.



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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 23.27 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.054 I 999 360 VERT(CL): 0.096 I 999 240 HORZ(LL): 0.031 F - - HORZ(TL): 0.054 F - - Creep Factor: 2.0 Max TC CSI: 0.547 Max BC CSI: 0.683 Max Web CSI: 0.709 VIEW Ver: 23.02.01.1109.17	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 750 /- /- /470 /232 /387 F 807 /- /- /464 /401 /- Wind reactions based on MWFRS A Brg Wid = - Min Req = - F Brg Wid = 2.0 Min Req = 1.5 (Truss) Bearing F is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 685 -1343 C - D 552 -663 B - C 388 -722
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Lumber
Top chord: 2x4 SP #2 N;
Bot chord: 2x4 SP #2 N;
Webs: 2x4 SP #3; W5 2x4 SP #2 N;

Bracing
(a) 1X4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails(0.113"x2.5",min.). Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.
(a) or scab reinforcement may be used in lieu of CLR restraint. substitute (1) scab for (1) CLR and (2) scabs for (2) CLR'S where shown. Scab reinforcement to be same size, species, grade, and 80% length of web member. Attach with 0.128x3" gun nails @ 6" oc.

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

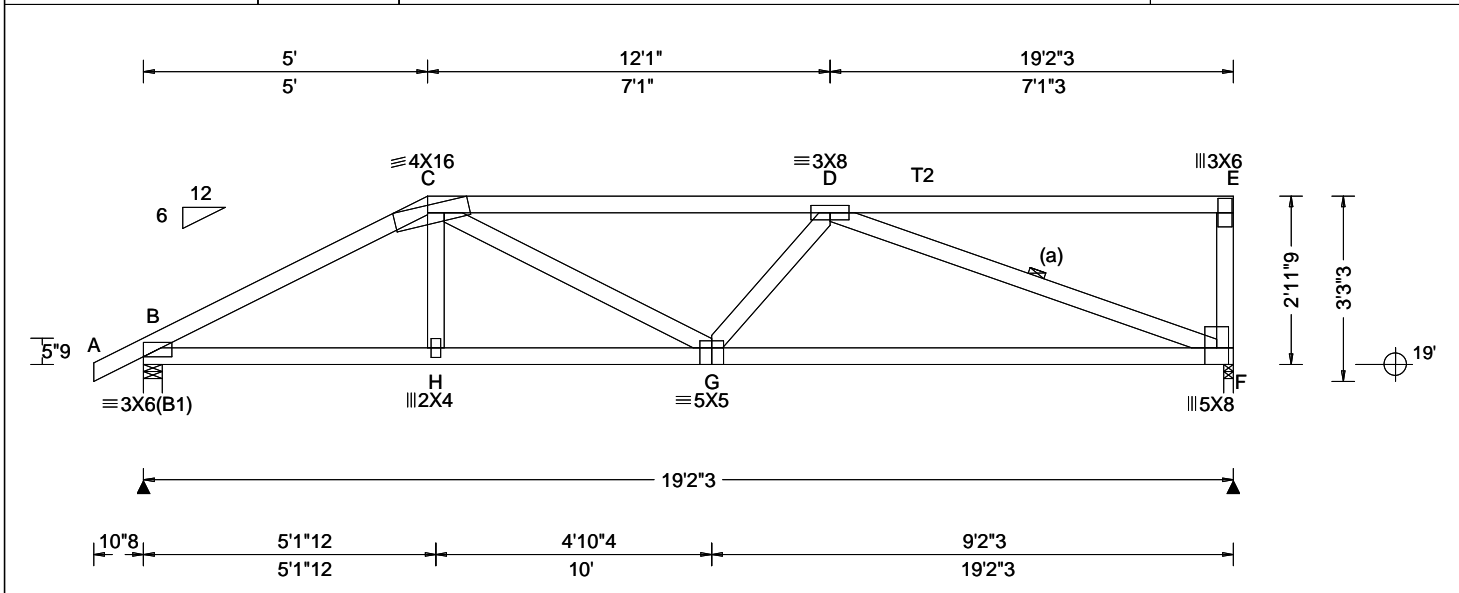
Wind
Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.



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Loading Criteria (psf) TCCL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 20.49 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.098 G 999 360 VERT(CL): 0.184 G 999 240 HORZ(LL): 0.030 F - - HORZ(TL): 0.056 F - - Creep Factor: 2.0 Max TC CSI: 0.820 Max BC CSI: 0.796 Max Web CSI: 0.747 VIEW Ver: 23.02.01.1109.17	▲ Maximum Reactions (lbs) <table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>1193</td> <td>-</td> <td>-</td> <td>-</td> <td>7731</td> <td>-</td> </tr> <tr> <td>F</td> <td>1205</td> <td>-</td> <td>-</td> <td>-</td> <td>7715</td> <td>-</td> </tr> </tbody> </table> <p>Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) F Brg Wid = 2.0 Min Req = 1.5 (Truss) Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) <table border="1"> <thead> <tr> <th>Chords</th> <th>Tens.Comp.</th> <th>Chords</th> <th>Tens. Comp.</th> </tr> </thead> <tbody> <tr> <td>B - C</td> <td>1244 - 2020</td> <td>C - D</td> <td>1218 - 2231</td> </tr> </tbody> </table> </p>						Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	B	1193	-	-	-	7731	-	F	1205	-	-	-	7715	-	Chords	Tens.Comp.	Chords	Tens. Comp.	B - C	1244 - 2020	C - D	1218 - 2231
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Bracing

(a) 1X4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails(0.113"x2.5",min.). Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.

(a) or scab reinforcement may be used in lieu of CLR restraint. substitute (1) scab for (1) CLR and (2) scabs for (2) CLR'S where shown. Scab reinforcement to be same size, species, grade, and 80% length of web member. Attach with 0.128x3" gun nails @ 6" oc.

Loading

#1 hip supports 5-0-0 jacks with no webs.

Wind

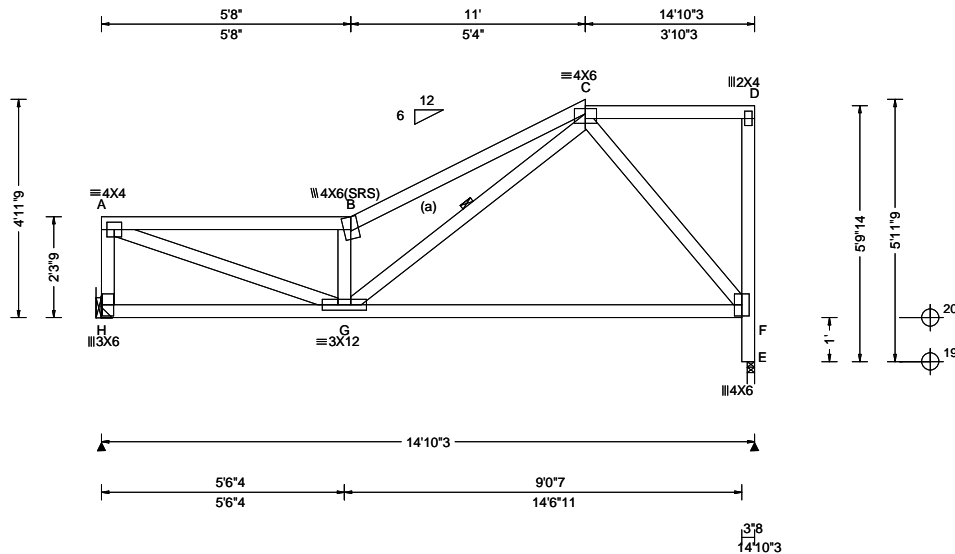
Wind loads and reactions based on MWFRS.
 Right end vertical not exposed to wind pressure.
 Wind loading based on both gable and hip roof types.



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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 23.63 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): 0.055 B 999 360 VERT(CL): 0.104 B 999 240 HORZ(LL): -0.018 C - - HORZ(TL): 0.034 C - - Creep Factor: 2.0 Max TC CSI: 0.808 Max BC CSI: 0.754 Max Web CSI: 0.724 VIEW Ver: 23.02.01.1109.17	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL H 556 /- /- /292 /293 /139 E 561 /- /- /325 /335 /- Wind reactions based on MWFRS H Brg Wid = - Min Req = - E Brg Wid = 2.0 Min Req = 1.5 (Support) Bearing E is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 1149 -1071 B - C 1520 -1328 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. G - F 337 -502 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. A - H 775 -522 G - C 1042 -1237 A - G 1119 -1176 C - F 800 -518 G - B 1312 -881 F - E 822 -561
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Lumber

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

Bracing

(a) 1X4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails(0.113"x2.5",min.). Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.

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Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Drop leg not designed to support lateral loads from wall induced by wind. Provisions must be made to resist lateral loads from wall. Building designer must approve prior to fabrication.

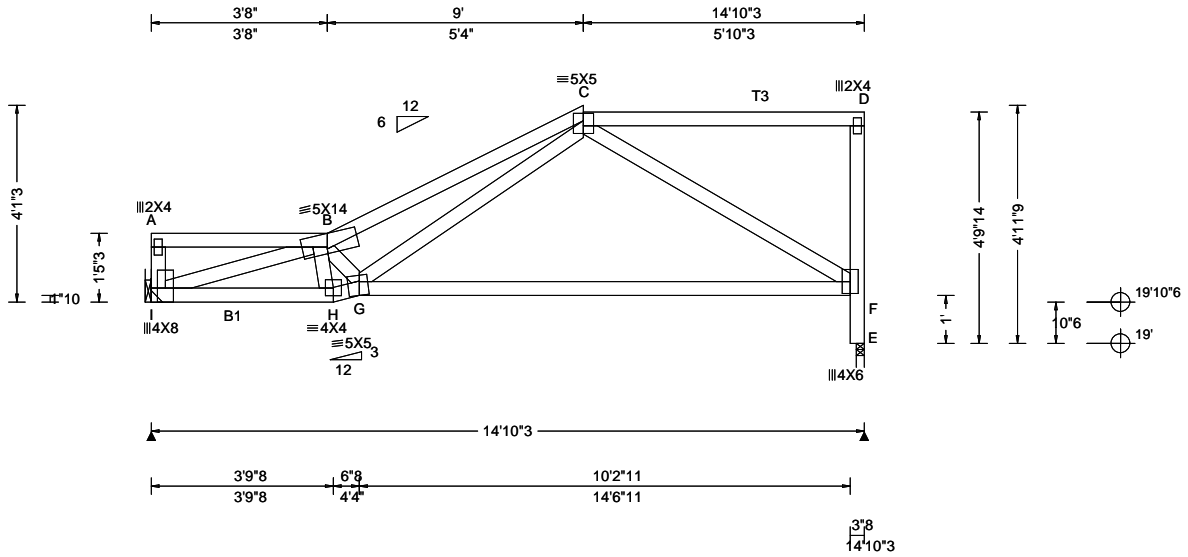


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01/15/2024
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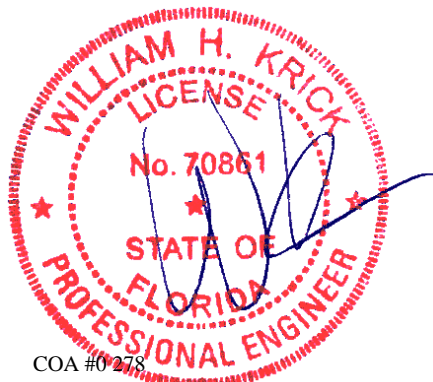
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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 22.63 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.064 G 999 360 VERT(CL): 0.120 G 999 240 HORZ(LL): 0.013 A - - HORZ(TL): 0.025 A - - Creep Factor: 2.0 Max TC CSI: 0.584 Max BC CSI: 0.674 Max Web CSI: 0.556 VIEW Ver: 23.02.01.1109.17	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL I 556 - / - / 308 / 336 / 181 E 562 - / - / 310 / 410 / - Wind reactions based on MWFRS I Brg Wid = - Min Req = - E Brg Wid = 2.0 Min Req = 1.5 (Support) Bearing E is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 1496 - 1561
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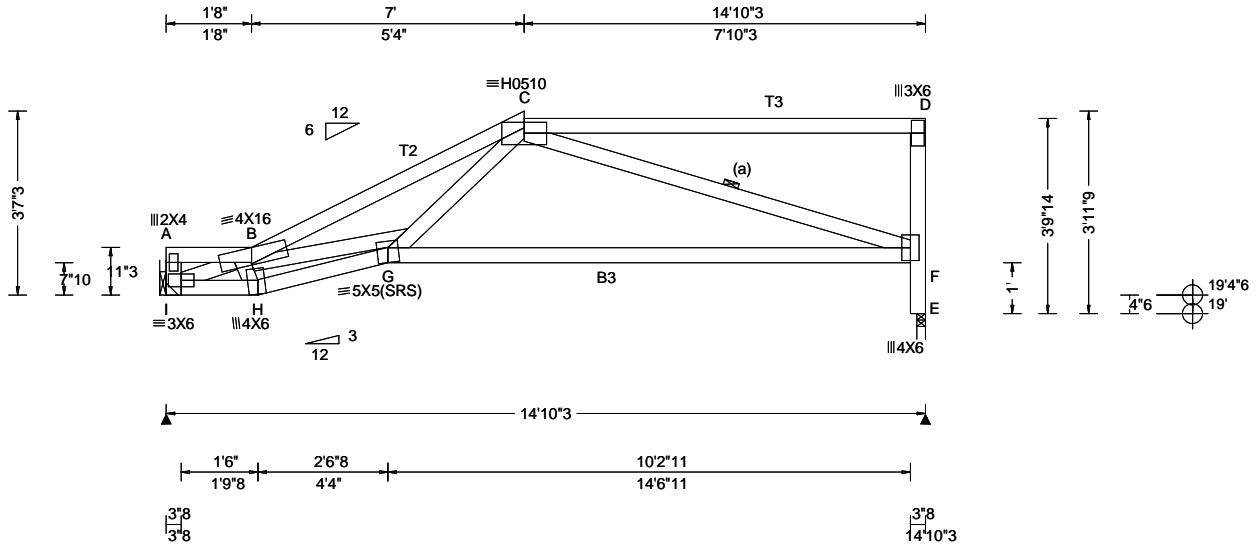
Lumber Top chord: 2x4 SP #2 N; T3 2x4 SP #1; Bot chord: 2x4 SP #1; B1 2x4 SP #2 N; Webs: 2x4 SP #3; Wind Wind loads based on MWFRS with additional C&C member design. End verticals not exposed to wind pressure. Wind loading based on both gable and hip roof types. Drop leg not designed to support lateral loads from wall induced by wind. Provisions must be made to resist lateral loads from wall. Building designer must approve prior to fabrication.	Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. I - H 1353 - 1670 G - F 557 - 855 H - G 1400 - 1654 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. I - B 1509 - 1395 G - C 1087 - 773 B - H 314 - 702 C - F 1005 - 633 B - G 444 0 F - E 860 - 561
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Lumber

Top chord: 2x4 SP #2 N; T2 2x4 SP #1;
T3 2x4 SP 2400f-2.0E;
Bot chord: 2x4 SP #2 N; B3 2x4 SP #1;
Webs: 2x4 SP #3;

Bracing

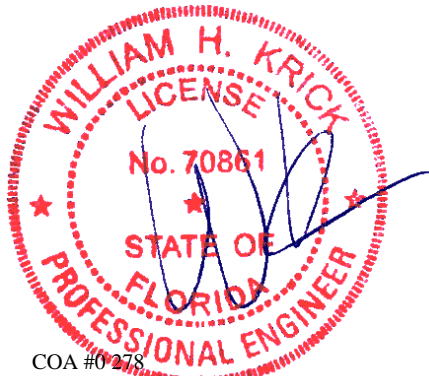
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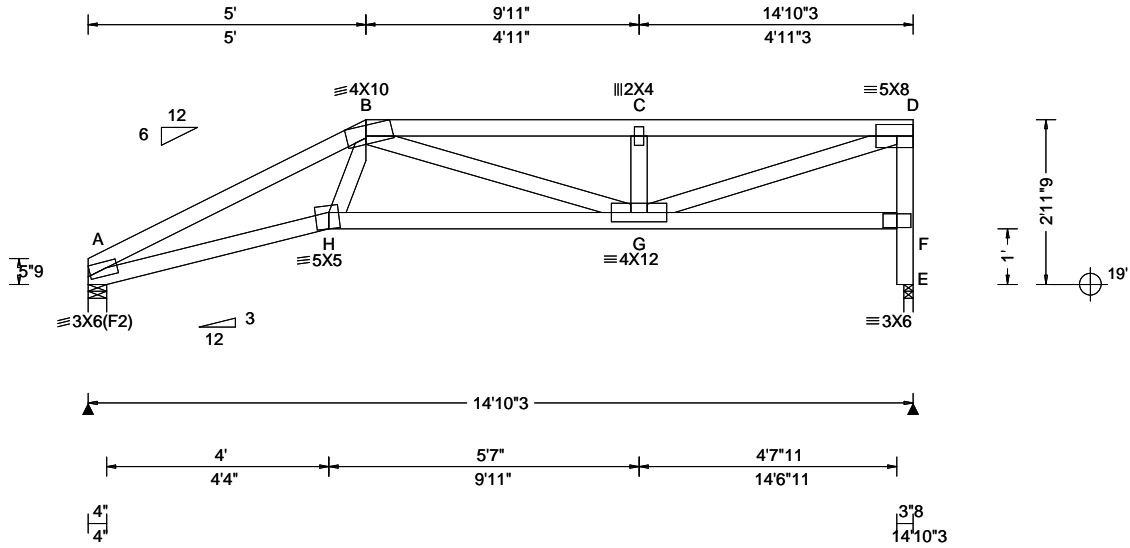


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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 20.71 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): 0.117 H 999 360 VERT(CL): 0.223 H 782 240 HORZ(LL): 0.047 G - - HORZ(TL): 0.088 G - - Creep Factor: 2.0 Max TC CSI: 0.666 Max BC CSI: 0.774 Max Web CSI: 0.829 VIEW Ver: 23.02.01.1109.17	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 857 /- /- /- /516 /- E 952 /- /- /- /571 /- Wind reactions based on MWFRS A Brg Wid = 4.0 Min Req = 1.5 (Truss) E Brg Wid = 2.0 Min Req = 1.5 (Support) Bearings A & E are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 1483 -2480 C - D 1200 -2012 B - C 1200 -2013 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - H 2202 -1294 H - G 1845 -1140 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. H - B 803 -332 F - E 572 -951 C - G 520 -519 F - D 603 -889 G - D 2177 -1301
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Lumber

Top chord: 2x4 SP #2 N;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Loading

#1 hip supports 5-0-0 jacks with no webs.

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.

Drop leg not designed to support lateral loads from wall induced by wind. Provisions must be made to resist lateral loads from wall. Building designer must approve prior to fabrication.

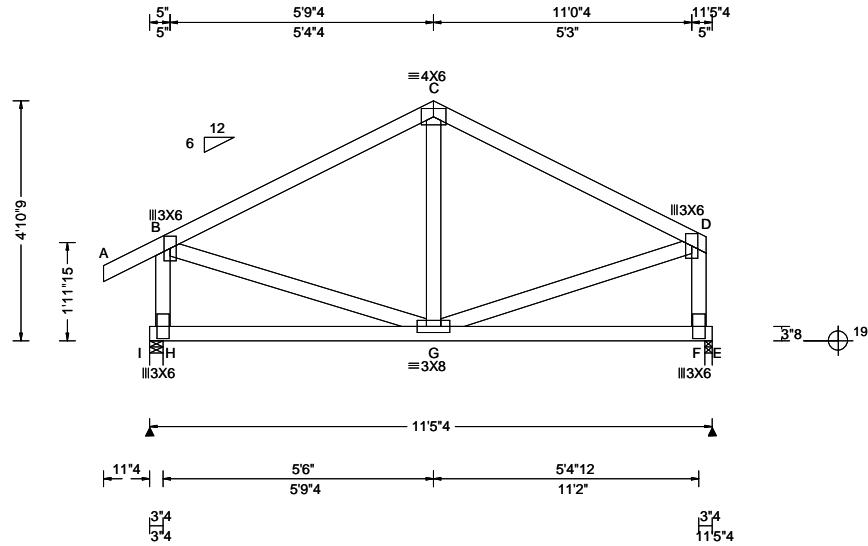


COA #0278

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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCDL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 22.20 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): -0.006 C 999 360 VERT(CL): 0.010 C 999 240 HORZ(LL): -0.001 C - - HORZ(TL): 0.002 C - - Creep Factor: 2.0 Max TC CSI: 0.542 Max BC CSI: 0.290 Max Web CSI: 0.281 VIEW Ver: 23.02.01A.1204.18	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL I 488 /- /- /284 /317 /130 E 430 /- /- /215 /271 /- Wind reactions based on MWFRS I Brg Wid = 3.3 Min Req = 2.1 E Brg Wid = 1.8 Min Req = 2.1 Bearings I & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 424 -404 C - D 420 -401
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Lumber

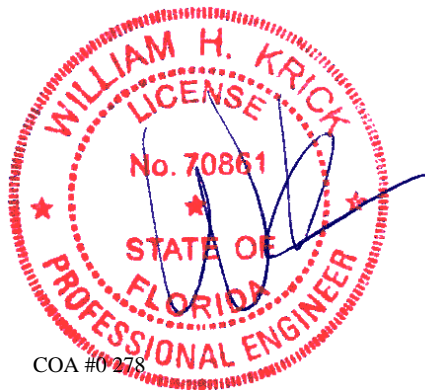
Top chord: 2x4 SP #2 N;
Bot chord: 2x4 SP #2 N;
Webs: 2x4 SP #3;

Wind

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

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B - H	532 -439	D - F	421 -376

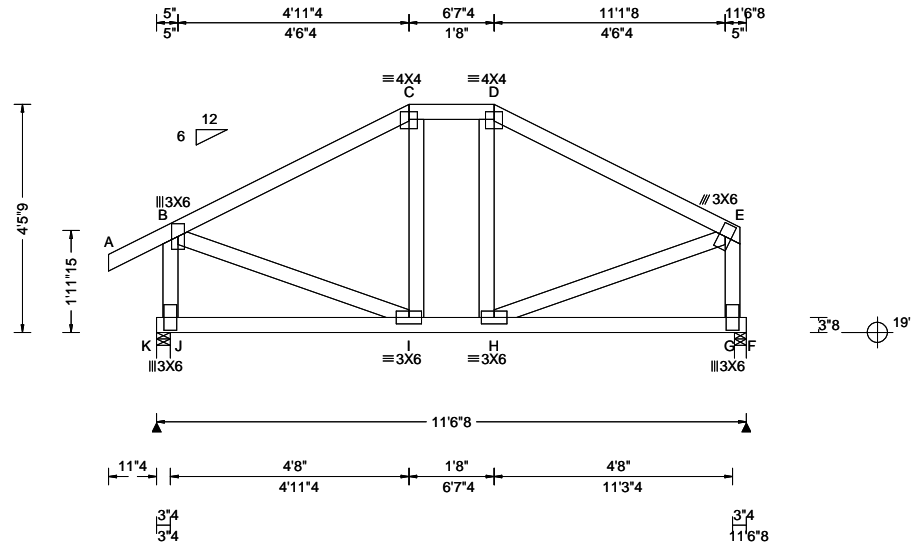


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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 21.99 ft TCCL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.015 I 999 360 VERT(CL): 0.027 I 999 240 HORZ(LL): 0.007 C - - HORZ(TL): 0.013 C - - Creep Factor: 2.0 Max TC CSI: 0.344 Max BC CSI: 0.302 Max Web CSI: 0.180 VIEW Ver: 23.02.01A.1204.18	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL K 605 -/ - / - /410 -/ F 516 -/ - / - /332 -/ Wind reactions based on MWFRS K Brg Wid = 3.3 Min Req = 2.1 F Brg Wid = 2.7 Min Req = 2.1 Bearings K & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 358 -530 D - E 352 -522 C - D 265 -420 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. I - H 420 -265 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. B - J 426 -551 H - E 433 -272 B - I 430 -271 E - G 349 -474
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Lumber

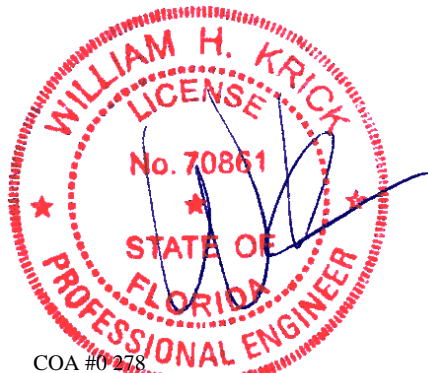
Top chord: 2x4 SP #2 N;
Bot chord: 2x4 SP #2 N;
Webs: 2x4 SP #3;

Loading

#1 hip supports 4-11-4 jacks with no webs.

Wind

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

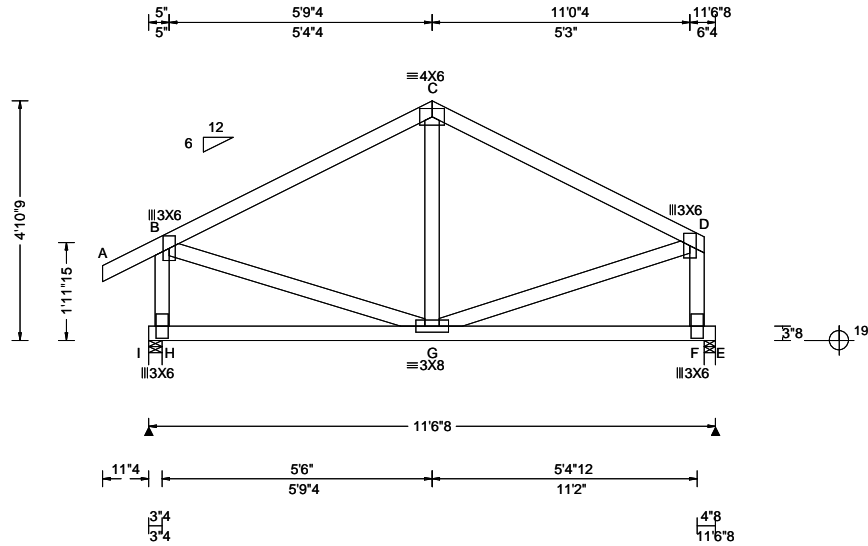


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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 22.20 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.010 C 999 360 VERT(CL): 0.017 G 999 240 HORZ(LL): 0.003 C - - HORZ(TL): 0.006 C - - Creep Factor: 2.0 Max TC CSI: 0.539 Max BC CSI: 0.416 Max Web CSI: 0.283 VIEW Ver: 23.02.01A.1204.18	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL I 496 /- /- /287 /323 /130 E 429 /- /- /213 /264 /- Wind reactions based on MWFRS I Brg Wid = 3.3 Min Req = 2.1 E Brg Wid = 2.7 Min Req = 2.1 Bearings I & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 437 -421 C - D 434 -417
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Lumber

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

Wind

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

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B - H	541 -452	D - F	428 -385

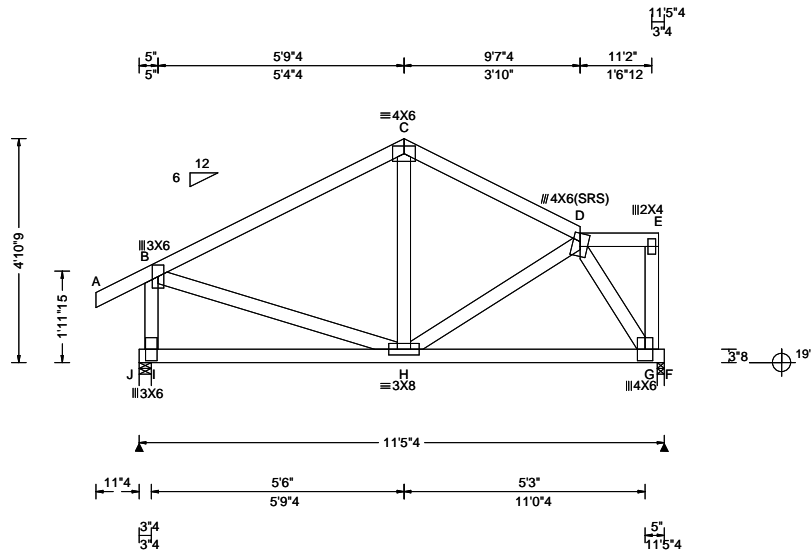


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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 22.20 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): 0.007 H 999 360 VERT(CL): 0.011 H 999 240 HORZ(LL): -0.002 G - - HORZ(TL): 0.003 G - - Creep Factor: 2.0 Max TC CSI: 0.569 Max BC CSI: 0.425 Max Web CSI: 0.299 VIEW Ver: 23.02.01A.1204.18	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL J 492 /- /- /292 /308 /128 F 425 /- /- /206 /282 /- Wind reactions based on MWFRS J Brg Wid = 3.3 Min Req = 2.1 F Brg Wid = 1.8 Min Req = 2.1 Bearings J & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 416 -407 C - D 443 -381
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Lumber

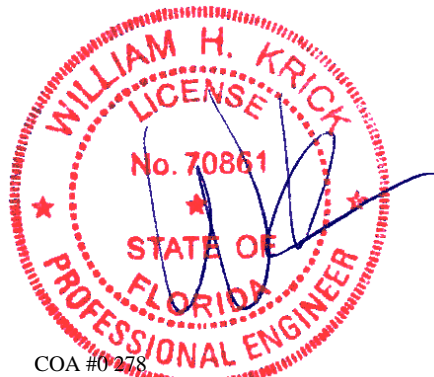
Top chord: 2x4 SP #2 N;
Bot chord: 2x4 SP #2 N;
Webs: 2x4 SP #3;

Wind

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

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp.		Webs Tens. Comp.	
B - I	537 -446	D - G	570 -414

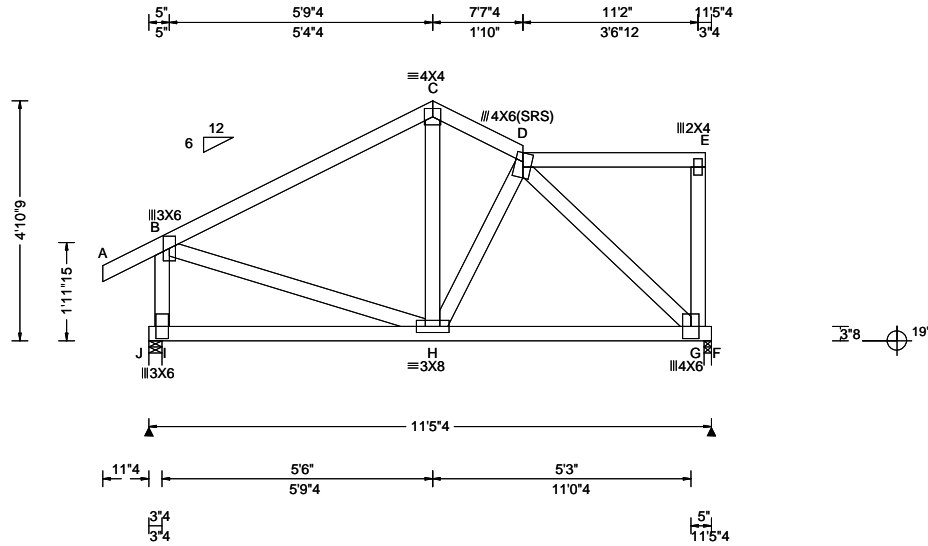


COA #0 278

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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 22.20 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): 0.008 D 999 360 VERT(CL): 0.014 D 999 240 HORZ(LL): -0.002 G - - HORZ(TL): 0.003 G - - Creep Factor: 2.0 Max TC CSI: 0.580 Max BC CSI: 0.440 Max Web CSI: 0.307 VIEW Ver: 23.02.01A.1204.18	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL J 492 /- /- /308 /196 /132 F 425 /- /- /226 /219 /- Wind reactions based on MWFRS J Brg Wid = 3.3 Min Req = 2.1 F Brg Wid = 1.8 Min Req = 2.1 Bearings J & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 414 -405 C - D 501 -347 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. H - G 300 -484 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. B - I 539 -446 D - G 658 -408
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Lumber

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

Wind

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

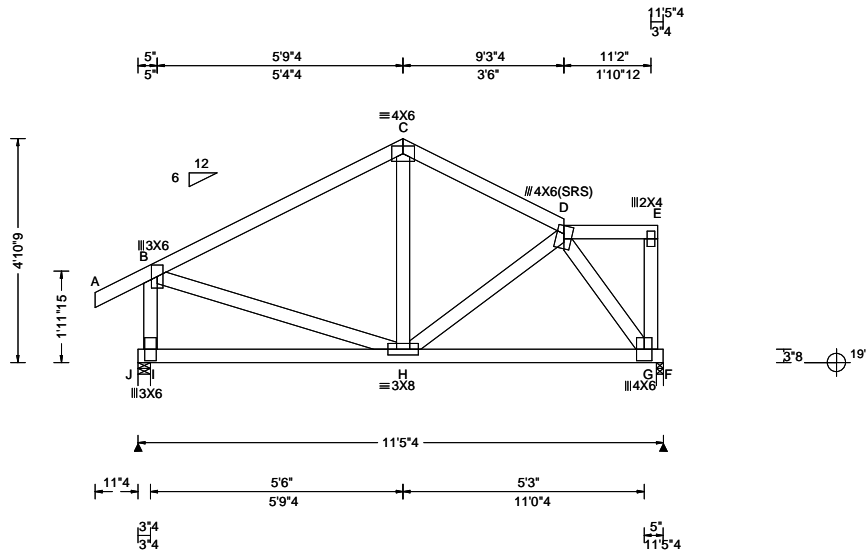


COA #0218

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Loading Criteria (psf) TCCL: 20.00 TCCL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 22.20 ft TCCL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): 0.007 H 999 360 VERT(CL): 0.011 H 999 240 HORZ(LL): -0.002 G - - HORZ(TL): 0.003 G - - Creep Factor: 2.0 Max TC CSI: 0.574 Max BC CSI: 0.428 Max Web CSI: 0.301 VIEW Ver: 23.02.01A.1204.18	▲ Maximum Reactions (lbs) <table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>J</td> <td>492</td> <td>-</td> <td>-</td> <td>/294</td> <td>/209</td> <td>/129</td> </tr> <tr> <td>F</td> <td>425</td> <td>-</td> <td>-</td> <td>/206</td> <td>/198</td> <td>-</td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	J	492	-	-	/294	/209	/129	F	425	-	-	/206	/198	-
				Loc		Gravity			Non-Gravity																						
R+	/R-	/Rh	/Rw		/U	/RL																									
J	492	-	-	/294	/209	/129																									
F	425	-	-	/206	/198	-																									
Wind reactions based on MWFRS J Brg Wid = 3.3 Min Req = 2.1 F Brg Wid = 1.8 Min Req = 2.1 Bearings J & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) <table border="1"> <thead> <tr> <th>Chords</th> <th>Tens.Comp.</th> <th>Chords</th> <th>Tens. Comp.</th> </tr> </thead> <tbody> <tr> <td>B - C</td> <td>416 -406</td> <td>C - D</td> <td>449 -375</td> </tr> </tbody> </table>				Chords	Tens.Comp.	Chords	Tens. Comp.	B - C	416 -406	C - D	449 -375																				
Chords	Tens.Comp.	Chords	Tens. Comp.																												
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Lumber

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

Wind

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

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B - I	538 -446	D - G	578 -412

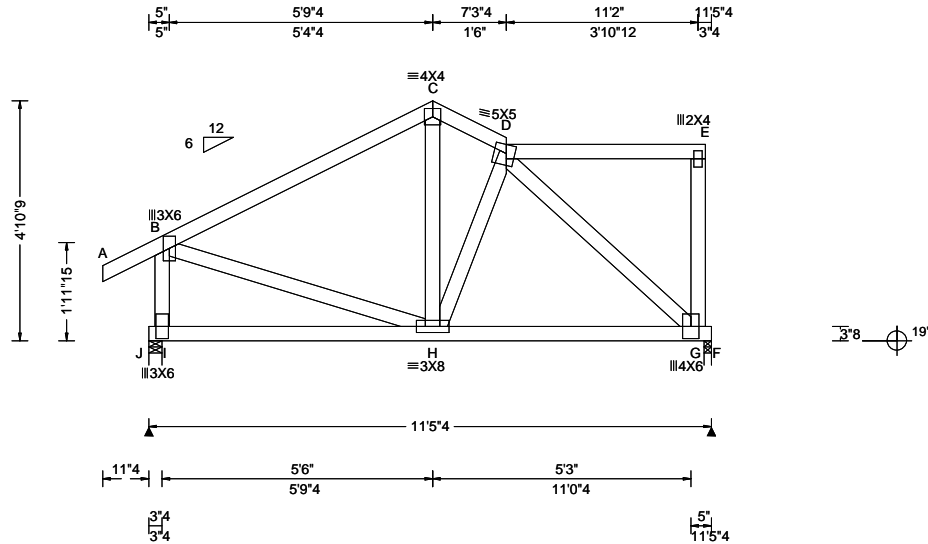


COA #0278

01/15/2024
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Loading Criteria (psf) TCCL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 22.20 ft TCCL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.008 D 999 360 VERT(CL): 0.014 D 999 240 HORZ(LL): -0.002 G - - HORZ(TL): 0.003 G - - Creep Factor: 2.0 Max TC CSI: 0.575 Max BC CSI: 0.441 Max Web CSI: 0.308 VIEW Ver: 23.02.01A.1204.18	▲ Maximum Reactions (lbs) <table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>J</td> <td>492</td> <td>-</td> <td>-</td> <td>/312</td> <td>/193</td> <td>/133</td> </tr> <tr> <td>F</td> <td>425</td> <td>-</td> <td>-</td> <td>/229</td> <td>/229</td> <td>-</td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	J	492	-	-	/312	/193	/133	F	425	-	-	/229	/229	-
				Loc		Gravity			Non-Gravity																						
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Lumber

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

Wind

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

Maximum Bot Chord Forces Per Ply (lbs)

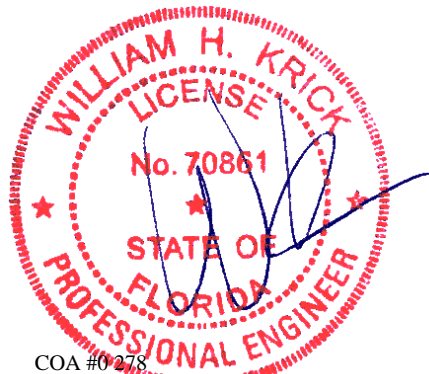
Chords Tens.Comp.

H - G 305 -508

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. Webs Tens. Comp.

B - I 539 -446 D - G 677 -406

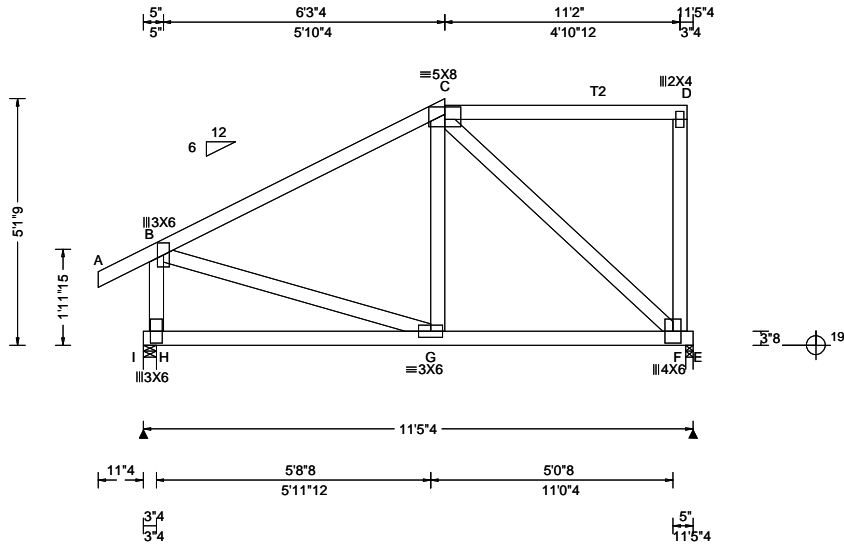


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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCDL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 22.33 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): 0.008 G 999 360 VERT(CL): 0.013 G 999 240 HORZ(LL): -0.004 D - - HORZ(TL): 0.004 D - - Creep Factor: 2.0 Max TC CSI: 0.807 Max BC CSI: 0.461 Max Web CSI: 0.365 VIEW Ver: 23.02.01A.1204.18	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL I 492 - / - / 332 / 174 / 184 E 425 - / - / 246 / 270 / - Wind reactions based on MWFRS I Brg Wid = 3.3 Min Req = 1.5 (Truss) E Brg Wid = 1.8 Min Req = 1.5 (Truss) Bearings I & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 433 -404 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. G - F 298 -563 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. B - H 536 -444 C - F 775 -410
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Lumber

Top chord: 2x4 SP #1; T2 2x4 SP #2 N;
Bot chord: 2x4 SP #2 N;
Webs: 2x4 SP #3;

Wind

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



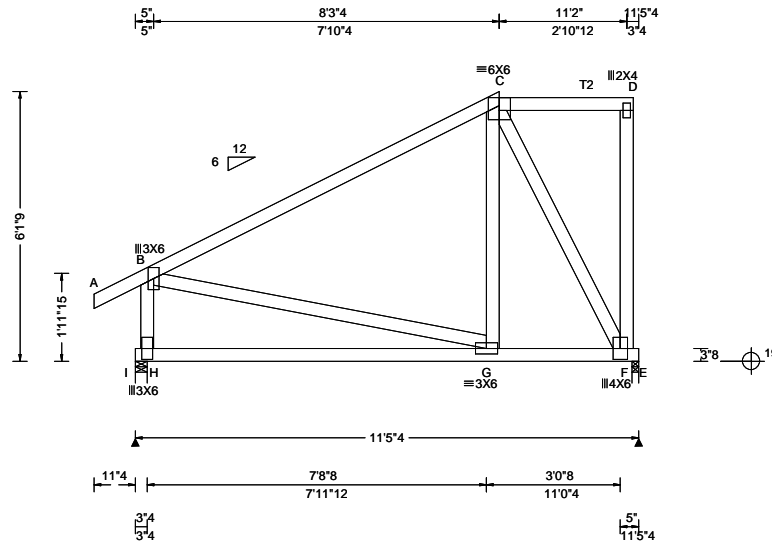
COA #0278

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SEQN: 133895 FROM: RDG	HIPM Ply: 1 Qty: 2	Job Number: 374092 .1570 ,6U ,RC01 / 6 UNIT TOWNHOMES Truss Label: D6	Cust: R 8975 JRef: 1XWf89750119 T78 DrwNo: 015.24.0817.01240 KD / WHK 01/15/2024
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Loading Criteria (psf) TCCL: 20.00 TCCL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 22.83 ft TCCL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): 0.006 G 999 360 VERT(CL): -0.013 I 999 240 HORZ(LL): -0.006 D - - HORZ(TL): 0.007 D - - Creep Factor: 2.0 Max TC CSI: 0.780 Max BC CSI: 0.509 Max Web CSI: 0.384 VIEW Ver: 23.02.01A.1204.18	▲ Maximum Reactions (lbs) <table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>I</td> <td>492</td> <td>-</td> <td>-</td> <td>/337</td> <td>/148</td> <td>/237</td> </tr> <tr> <td>E</td> <td>425</td> <td>-</td> <td>-</td> <td>/276</td> <td>/260</td> <td>-</td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	I	492	-	-	/337	/148	/237	E	425	-	-	/276	/260	-
				Loc		Gravity			Non-Gravity																						
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Chords	Tens.Comp.																														
	Gravity	Non-Gravity																													
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Lumber Top chord: 2x4 SP 2400f-2.0E; T2 2x4 SP #2 N; Bot chord: 2x4 SP #2 N; Webs: 2x4 SP #3;	Maximum Web Forces Per Ply (lbs) <table border="1"> <thead> <tr> <th rowspan="2">Webs</th> <th colspan="2">Tens.Comp.</th> <th rowspan="2">Webs</th> <th colspan="2">Tens. Comp.</th> </tr> <tr> <th>Gravity</th> <th>Non-Gravity</th> <th>Gravity</th> <th>Non-Gravity</th> </tr> </thead> <tbody> <tr> <td>B - H</td> <td>443</td> <td>-422</td> <td>C - F</td> <td>711</td> <td>-482</td> </tr> </tbody> </table>	Webs	Tens.Comp.		Webs	Tens. Comp.		Gravity	Non-Gravity	Gravity	Non-Gravity	B - H	443	-422	C - F	711	-482
Webs	Tens.Comp.		Webs	Tens. Comp.													
	Gravity	Non-Gravity		Gravity	Non-Gravity												
B - H	443	-422	C - F	711	-482												

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

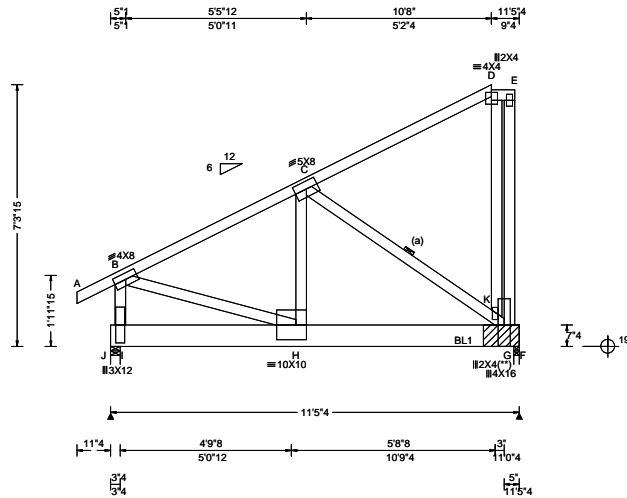


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2 Complete Trusses Required



Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 23.43 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): 0.043 H 999 360 VERT(CL): 0.079 H 999 240 HORZ(LL): -0.009 D - - HORZ(TL): 0.017 D - - Creep Factor: 2.0 Max TC CSI: 0.332 Max BC CSI: 0.471 Max Web CSI: 0.893 VIEW Ver: 23.02.01A.1204.18	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL J 5068 /- /0 /- /1713 /- F 4780 /- /0 /- /1840 /- Wind reactions based on MWFRS J Brg Wid = 3.3 Min Req = 2.2 (Truss) F Brg Wid = 1.8 Min Req = - Bearings J & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 875 - 2423
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Lumber
Top chord: 2x4 SP #2 N;
Bot chord: 2x8 SP 2400f-2.0E;
Webs: 2x4 SP #3;

Bracing
(a) 1X4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails(0.113"x2.5",min.). Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.

Nailnote
Nail Schedule:0.128"x3" nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 3.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

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

Bearing Block(s)
Brg blocks:0.128"x3" nails
brg x-loc #blocks length/blk #nails/blk wall plate
2 11.287' 1 12" 4 Rigid Surface
Brg block to be same size and species as chord.
Refer to drawing CNNALSP1014 for more information.

Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens.Comp.
H - G 2016 - 718

Maximum Web Forces Per Ply (lbs)
Webs Tens.Comp. Webs Tens. Comp.
B - I 715 - 1832 C - K 879 - 2477
B - H 2224 - 782 K - G 924 - 2520
H - C 2345 - 691

Special Loads
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 56 plf at -0.94 to 56 plf at 11.31
BC: From 20 plf at 0.00 to 20 plf at 11.31
BC: From 74 plf at 11.31 to 74 plf at 11.44
BC: 1832 lb Conc. Load at 1.60, 9.60
BC: 1806 lb Conc. Load at 3.60
BC: 1787 lb Conc. Load at 5.60
BC: 1673 lb Conc. Load at 7.60

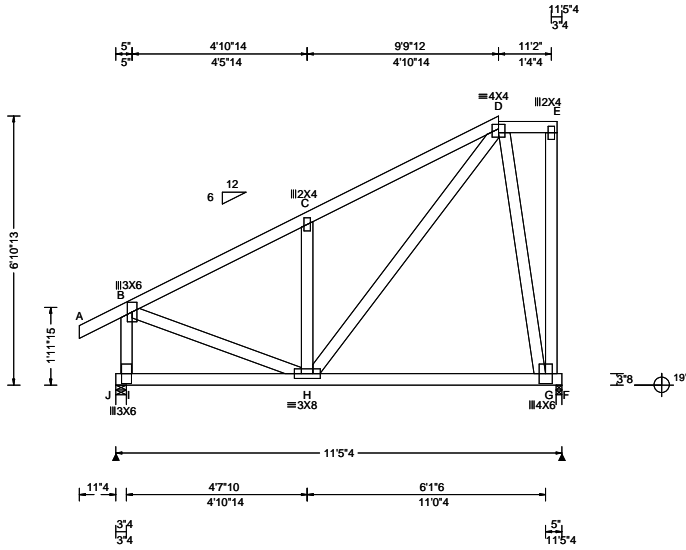
Plating Notes
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.



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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 23.21 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.015 C 999 360 VERT(CL): 0.026 C 999 240 HORZ(LL): -0.008 C - - HORZ(TL): 0.013 C - - Creep Factor: 2.0 Max TC CSI: 0.348 Max BC CSI: 0.522 Max Web CSI: 0.710 VIEW Ver: 23.02.01A.1204.18	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL J 512 /- /- /334 /125 /277 F 498 /- /- /305 /281 /- Wind reactions based on MWFRS J Brg Wid = 3.3 Min Req = 1.5 (Truss) F Brg Wid = 1.8 Min Req = 1.5 (Truss) Bearings J & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 195 -466 C - D 434 -474
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Lumber

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

Loading

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

Wind

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

Maximum Bot Chord Forces Per Ply (lbs)

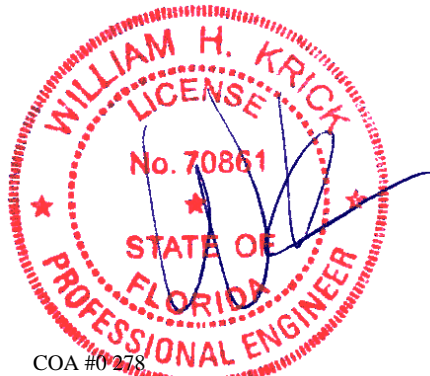
Chords Tens.Comp.

I - H 113 -469

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. Webs Tens. Comp.

B - I 367 -492 H - D 458 -552
B - H 389 -31 D - G 650 -409
C - H 505 -294



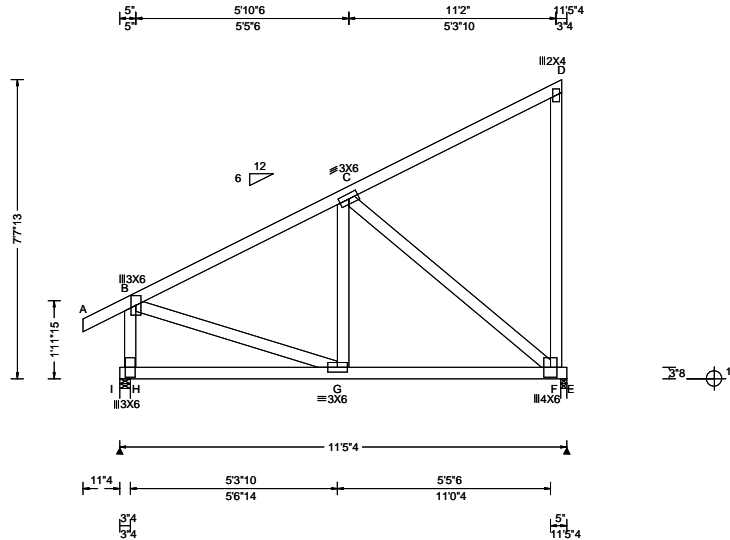
COA #0278

Florida Certificate of Product Approval #FL 1999

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



Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 23.59 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.008 G 999 360 VERT(CL): 0.014 G 999 240 HORZ(LL): -0.006 C - - HORZ(TL): 0.007 C - - Creep Factor: 2.0 Max TC CSI: 0.698 Max BC CSI: 0.461 Max Web CSI: 0.395 VIEW Ver: 23.02.01A.1204.18	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL I 492 - / - / 328 / 100 / 317 E 425 - / - / 337 / 304 - Wind reactions based on MWFRS I Brg Wid = 3.3 Min Req = 1.5 (Truss) E Brg Wid = 1.8 Min Req = 1.5 (Truss) Bearings I & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 115 -418
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Lumber

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

Wind

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

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
H - G	131 -540	G - F	319 -458
Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
B - H	327 -450	C - F	596 -414



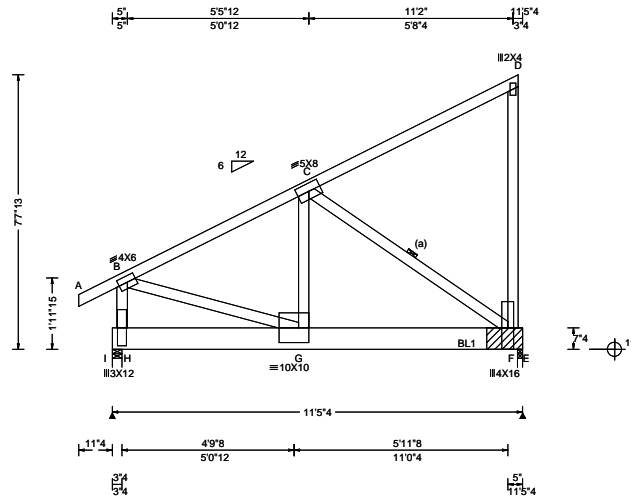
COA #0 278

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2 Complete Trusses Required



Loading Criteria (psf) TCCL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 23.59 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.042 G 999 360 VERT(CL): 0.078 G 999 240 HORZ(LL): -0.015 D - - HORZ(TL): 0.028 D - - Creep Factor: 2.0 Max TC CSI: 0.231 Max BC CSI: 0.475 Max Web CSI: 0.909 VIEW Ver: 23.02.01A.1204.18	▲ Maximum Reactions (lbs) <table border="1"> <thead> <tr> <th colspan="3">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</th> <th>/ RL</th> </tr> </thead> <tbody> <tr> <td>I</td> <td>4945</td> <td>/- /0</td> <td>/-</td> <td>/1505</td> <td>/-</td> </tr> <tr> <td>E</td> <td>4672</td> <td>/- /0</td> <td>/-</td> <td>/1402</td> <td>/-</td> </tr> </tbody> </table> Wind reactions based on MWFRS I Brg Wid = 3.3 Min Req = 2.1 (Truss) E Brg Wid = 1.8 Min Req = - Bearings I & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.	Gravity			Non-Gravity			Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL	I	4945	/- /0	/-	/1505	/-	E	4672	/- /0	/-	/1402	/-
				Gravity			Non-Gravity																					
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL																							
I	4945	/- /0	/-	/1505	/-																							
E	4672	/- /0	/-	/1402	/-																							
				B - C 716 - 2375																								

Lumber
 Top chord: 2x4 SP #2 N;
 Bot chord: 2x8 SP 2400f-2.0E;
 Webs: 2x4 SP #3;

Bracing
 (a) 1X4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails(0.113"x2.5",min.). Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.

Nailnote
 Nail Schedule:0.128"x3" nails
 Top Chord: 1 Row @12.00" o.c.
 Bot Chord: 2 Rows @ 3.50" o.c. (Each Row)
 Webs : 1 Row @ 4" o.c.
 Use equal spacing between rows and stagger nails in each row to avoid splitting.

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

Bearing Block(s)
 Brg blocks:0.128"x3" nails
 brg x-loc #blocks length/blk #nails/blk wall plate
 2 11.287' 1 12" 4 Rigid Surface
 Brg block to be same size and species as chord.
 Refer to drawing CNNAILSP1014 for more information.

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

G - F	1976	-585
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Maximum Web Forces Per Ply (lbs)
 Webs Tens.Comp. Webs Tens. Comp.

B - H	590	-1790	G - C	2386	-624
B - G	2187	-641	C - F	720	-2433

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

TC: From	56 plf at	-0.94 to	56 plf at	1.60
TC: From	28 plf at	1.60 to	28 plf at	11.31
BC: From	10 plf at	0.00 to	10 plf at	11.31
BC: From	64 plf at	11.31 to	64 plf at	11.44

BC: 1832 lb Conc. Load at 1.60
 BC: 1806 lb Conc. Load at 3.60
 BC: 1804 lb Conc. Load at 5.60
 BC: 1796 lb Conc. Load at 7.60
 BC: 1846 lb Conc. Load at 9.60

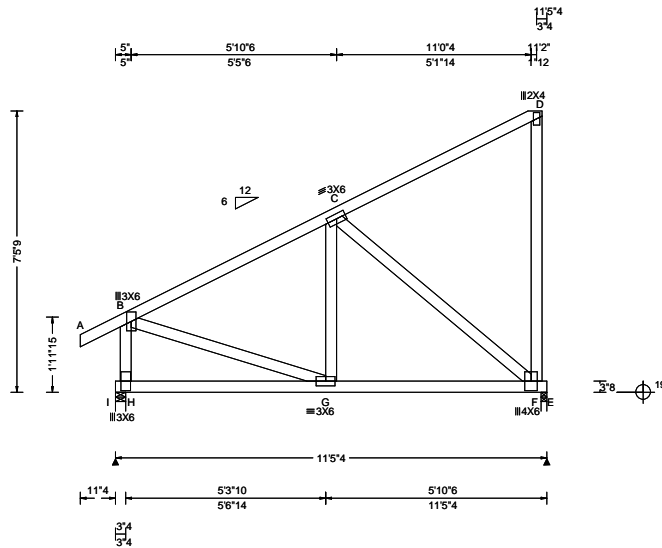


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Loading Criteria (psf) TCCL: 20.00 TCCL: 7.00 BCLL: 0.00 BCLL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 23.49 ft TCCL: 4.2 psf BCLL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): 0.008 G 999 360 VERT(CL): 0.014 G 999 240 HORZ(LL): -0.006 C - - HORZ(TL): 0.007 C - - Creep Factor: 2.0 Max TC CSI: 0.688 Max BC CSI: 0.461 Max Web CSI: 0.394 VIEW Ver: 23.02.01A.1204.18	▲ Maximum Reactions (lbs) <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>I</td> <td>492</td> <td>-</td> <td>-</td> <td>/329</td> <td>/105</td> <td>/308</td> </tr> <tr> <td>E</td> <td>425</td> <td>-</td> <td>-</td> <td>/324</td> <td>/286</td> <td>-</td> </tr> </tbody> </table>	Gravity			Non-Gravity			Loc	R+	/R-	/Rh	/Rw	/U	/RL	I	492	-	-	/329	/105	/308	E	425	-	-	/324	/286	-
				Gravity			Non-Gravity																								
Loc	R+	/R-	/Rh	/Rw	/U	/RL																									
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Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.				Wind reactions based on MWFRS I Brg Wid = 3.3 Min Req = 1.5 (Truss) E Brg Wid = 1.8 Min Req = 1.5 (Truss) Bearings I & F are a rigid surface. Members not listed have forces less than 375# B - C 125 -418																											

Lumber

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

Wind

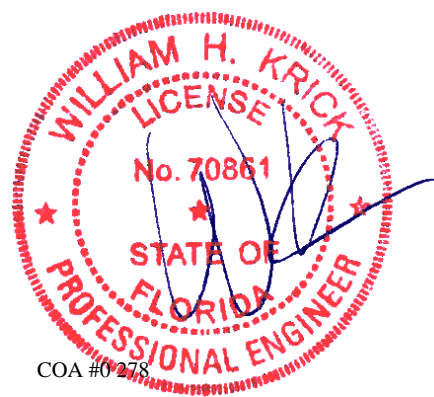
Wind loads based on MWFRS with additional C&C member design.
 End verticals not exposed to wind pressure.
 Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords		Tens.Comp.		Chords		Tens. Comp.	
H - G	128	-526	G - F	318	-453		

Maximum Web Forces Per Ply (lbs)

Webs		Tens.Comp.		Webs		Tens. Comp.	
B - H	334	-450	C - F	588	-413		

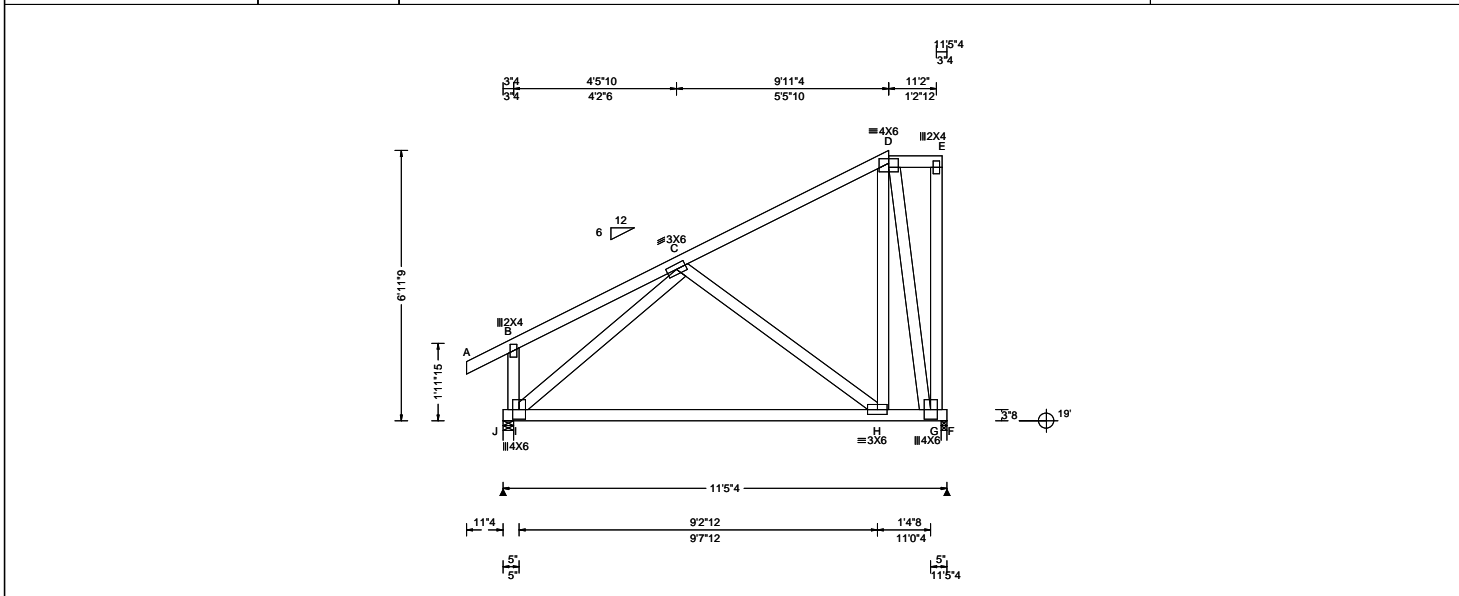


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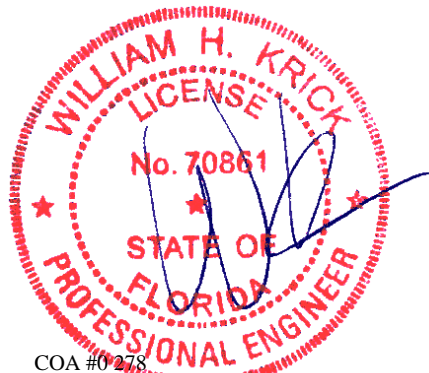




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Chords	Tens.Comp.																														
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Lumber Top chord: 2x4 SP #2 N; Bot chord: 2x4 SP #2 N; Webs: 2x4 SP #3;	Maximum Web Forces Per Ply (lbs) <table border="1"> <thead> <tr> <th>Webs</th> <th>Tens.Comp.</th> <th>Webs</th> <th>Tens. Comp.</th> </tr> </thead> <tbody> <tr> <td>C - H</td> <td>486 -196</td> <td>D - G</td> <td>647 -567</td> </tr> <tr> <td>H - D</td> <td>502 -218</td> <td></td> <td></td> </tr> </tbody> </table>	Webs	Tens.Comp.	Webs	Tens. Comp.	C - H	486 -196	D - G	647 -567	H - D	502 -218		
Webs	Tens.Comp.	Webs	Tens. Comp.										
C - H	486 -196	D - G	647 -567										
H - D	502 -218												

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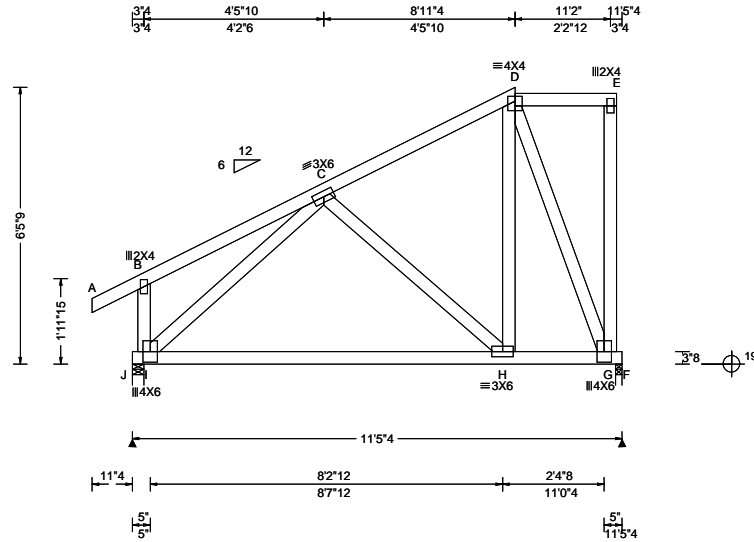


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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 22.99 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): -0.009 C 999 360 VERT(CL): -0.016 J 999 240 HORZ(LL): -0.008 C - - HORZ(TL): 0.008 C - - Creep Factor: 2.0 Max TC CSI: 0.281 Max BC CSI: 0.639 Max Web CSI: 0.354 VIEW Ver: 23.02.01A.1204.18	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL J 492 /- /- /336 /225 /337 F 425 /- /- /288 /388 /- Wind reactions based on MWFRS J Brg Wid = 3.3 Min Req = 1.5 (Truss) F Brg Wid = 1.8 Min Req = 1.5 (Truss) Bearings J & G are a rigid surface. Members not listed have forces less than 375# Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. I - H 289 -511
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Lumber

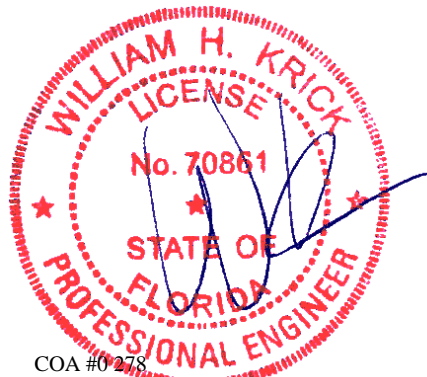
Top chord: 2x4 SP #2 N;
Bot chord: 2x4 SP #2 N;
Webs: 2x4 SP #3;

Wind

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

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - H	396 -153	D - G	594 -445

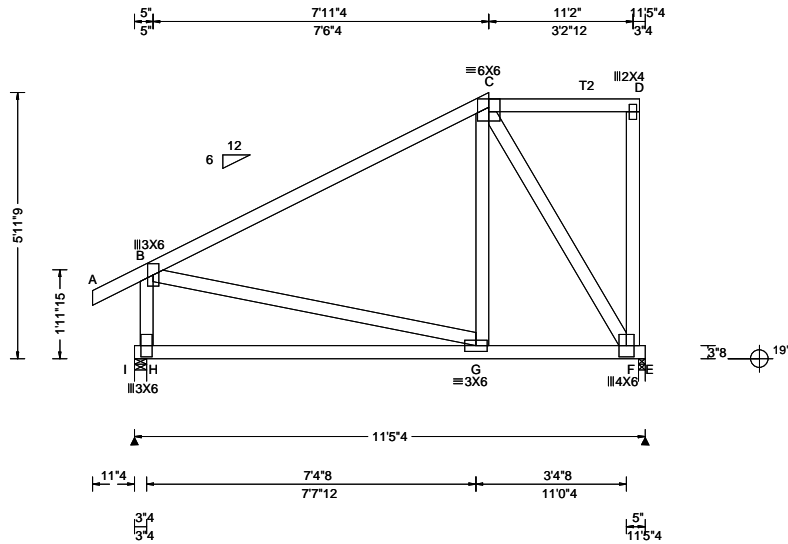


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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 22.74 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): 0.006 G 999 360 VERT(CL): -0.011 I 999 240 HORZ(LL): -0.005 D - - HORZ(TL): 0.006 D - - Creep Factor: 2.0 Max TC CSI: 0.772 Max BC CSI: 0.558 Max Web CSI: 0.397 VIEW Ver: 23.02.01A.1204.18	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL I 492 - / - / 336 / 153 / 228 E 425 - / - / 271 / 261 - Wind reactions based on MWFRS I Brg Wid = 3.3 Min Req = 1.5 (Truss) E Brg Wid = 1.8 Min Req = 1.5 (Truss) Bearings I & F are a rigid surface. Members not listed have forces less than 375# Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. H - G 126 -428
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Lumber Top chord: 2x4 SP #1; T2 2x4 SP #2 N; Bot chord: 2x4 SP #2 N; Webs: 2x4 SP #3; Wind Wind loads based on MWFRS with additional C&C member design. End verticals not exposed to wind pressure. Wind loading based on both gable and hip roof types.	Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. B - H 457 -425 C - F 703 -463
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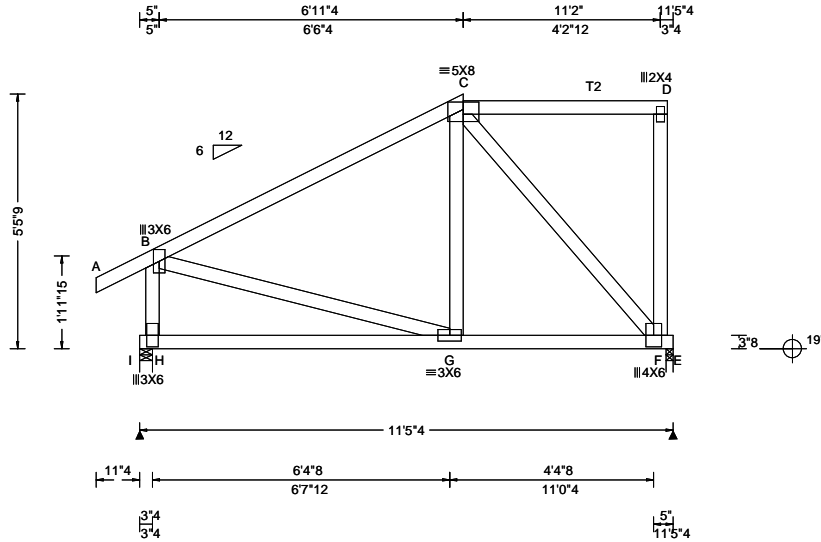


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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 22.49 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): 0.007 G 999 360 VERT(CL): 0.012 G 999 240 HORZ(LL): -0.006 D - - HORZ(TL): 0.007 D - - Creep Factor: 2.0 Max TC CSI: 0.795 Max BC CSI: 0.477 Max Web CSI: 0.351 VIEW Ver: 23.02.01A.1204.18	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL I 492 - / - / 335 / 254 / 263 E 425 - / - / 255 / 348 - Wind reactions based on MWFRS I Brg Wid = 3.3 Min Req = 1.5 (Truss) E Brg Wid = 1.8 Min Req = 1.5 (Truss) Bearings I & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 354 -387
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Lumber

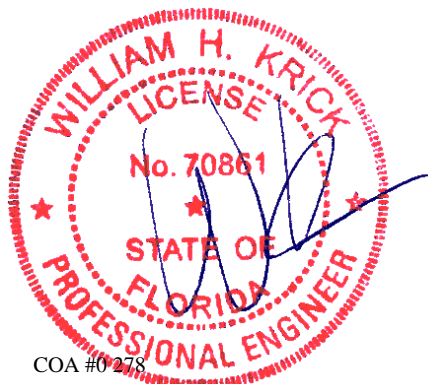
Top chord: 2x4 SP #1; T2 2x4 SP #2 N;
Bot chord: 2x4 SP #2 N;
Webs: 2x4 SP #3;

Wind

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

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
H - G	106 -401	G - F	274 -500

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
B - H	502 -436	C - F	768 -421



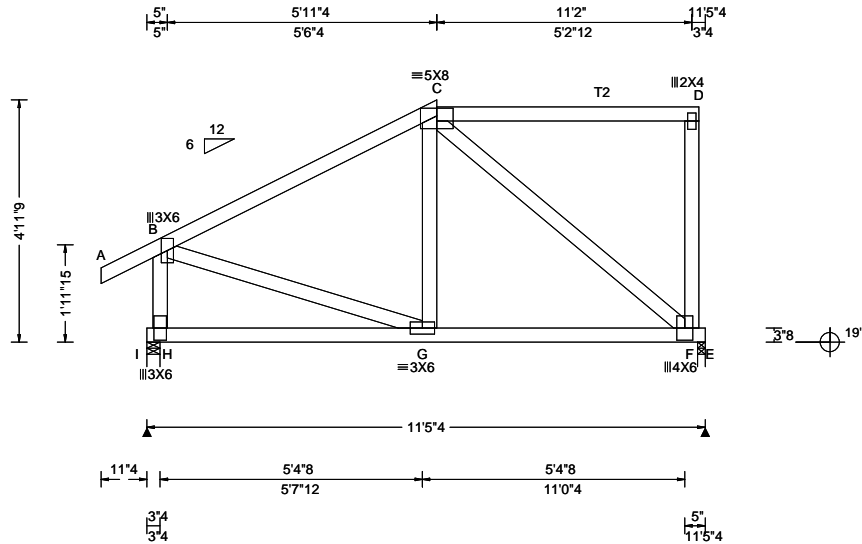
COA #0278

01/15/2024
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SEQN: 133905 FROM: RDG	HIPM Ply: 1 Qty: 1	Job Number: 374092 .1570 ,6U ,RC01 / 6 UNIT TOWNHOMES Truss Label: D16	Cust: R 8975 JRef: 1XWf89750119 T12 DrwNo: 015.24.0817.34333 KD / WHK 01/15/2024
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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 22.24 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): 0.008 G 999 360 VERT(CL): 0.014 G 999 240 HORZ(LL): -0.003 D - - HORZ(TL): 0.004 D - - Creep Factor: 2.0 Max TC CSI: 0.643 Max BC CSI: 0.458 Max Web CSI: 0.378 VIEW Ver: 23.02.01A.1204.18	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL I 492 /- /- /331 /178 /175 E 425 /- /- /242 /271 /- Wind reactions based on MWFRS I Brg Wid = 3.3 Min Req = 1.5 (Truss) E Brg Wid = 1.8 Min Req = 1.5 (Truss) Bearings I & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 471 -412
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Lumber

Top chord: 2x4 SP #2 N; T2 2x4 SP #1;
Bot chord: 2x4 SP #2 N;
Webs: 2x4 SP #3;

Wind

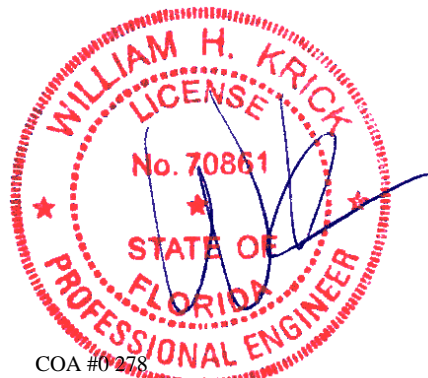
Wind loads based on MWFRS with additional C&C member design.
End verticals not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.
G - F	310 -593

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B - H	553 -448	C - F	780 -408

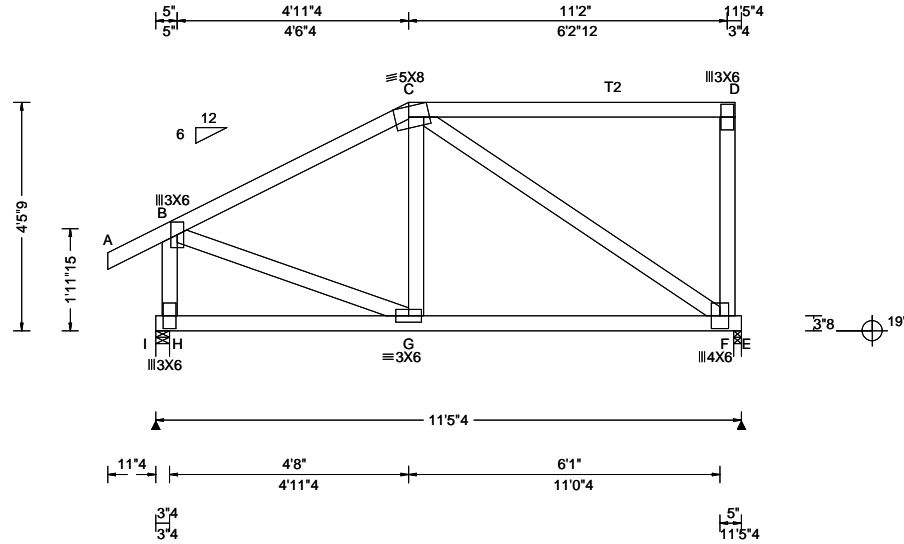


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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 21.99 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): 0.016 G 999 360 VERT(CL): 0.030 G 999 240 HORZ(LL): 0.005 C - - HORZ(TL): 0.010 C - - Creep Factor: 2.0 Max TC CSI: 0.527 Max BC CSI: 0.646 Max Web CSI: 0.734 VIEW Ver: 23.02.01A.1204.18	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL I 695 -/- /- /465 -/ E 734 -/- /- /469 -/ Wind reactions based on MWFRS I Brg Wid = 3.3 Min Req = 2.1 E Brg Wid = 1.8 Min Req = 2.1 Bearings I & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 459 -714 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. G - F 601 -371 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. B - H 480 -672 C - F 443 -718 B - G 637 -392
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Lumber

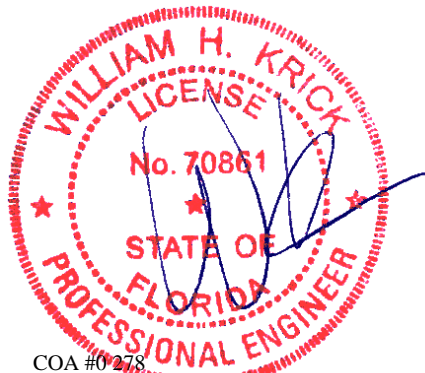
Top chord: 2x4 SP #2 N; T2 2x4 SP 2400f-2.0E;
Bot chord: 2x4 SP #2 N;
Webs: 2x4 SP #3;

Loading

#1 hip supports 4-11-4 jacks with no webs.

Wind

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

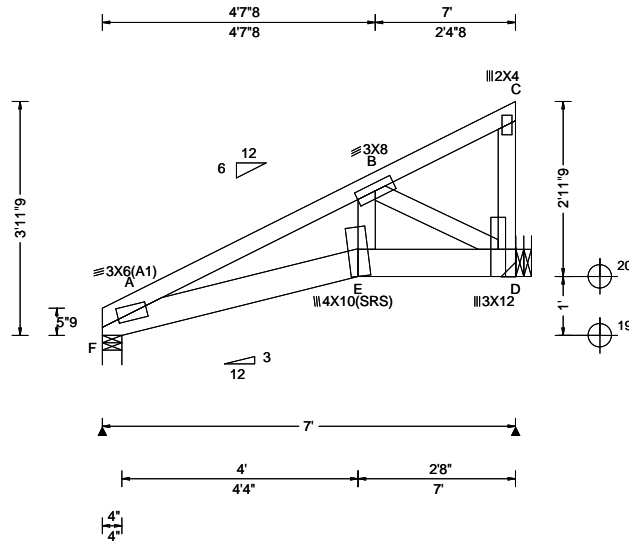


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Lumber

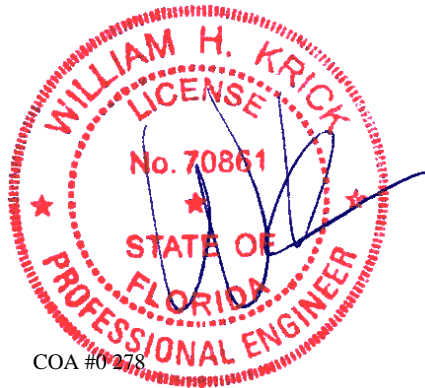
Top chord: 2x4 SP #2 N;
Bot chord: 2x6 SP #2 N;
Webs: 2x4 SP #3;

Special Loads

----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 28 plf at 0.00 to 28 plf at 7.00
BC: From 10 plf at 0.00 to 10 plf at 4.33
BC: From 10 plf at 4.33 to 10 plf at 7.00
BC: 552 lb Conc. Load at 1.73
BC: 556 lb Conc. Load at 3.73, 5.73

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.

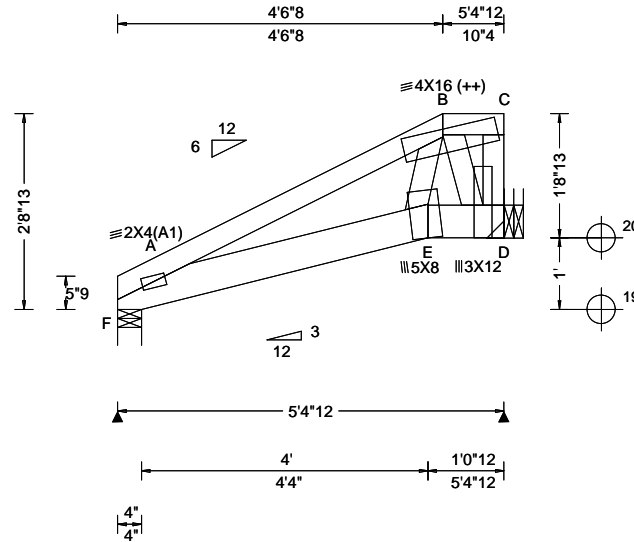


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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCCL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 20.60 ft TCCL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp1: 0.18 Wind Duration: 1.60	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): 0.032 A 999 360 VERT(CL): 0.059 A 999 240 HORZ(LL): 0.016 A - - HORZ(TL): 0.029 A - - Creep Factor: 2.0 Max TC CSI: 0.492 Max BC CSI: 0.983 Max Web CSI: 0.670 VIEW Ver: 23.02.01.1109.17	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL F 1090 /- /- /- /448 /- D 1147 /- /- /- /548 /- Wind reactions based on MWFRS F Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = - Min Req = - Bearing F is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. A - B 567 - 1264

Lumber

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

Special Loads

----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
 TC: From 56 plf at 0.00 to 56 plf at 3.40
 TC: From 28 plf at 3.40 to 28 plf at 4.54
 TC: From 56 plf at 4.54 to 56 plf at 5.40
 BC: From 10 plf at 0.00 to 10 plf at 4.33
 BC: From 20 plf at 4.33 to 20 plf at 5.40
 TC: 185 lb Conc. Load at 4.57
 BC: 750 lb Conc. Load at 1.40
 BC: 726 lb Conc. Load at 3.40
 BC: 242 lb Conc. Load at 4.57

Plating Notes

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

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.

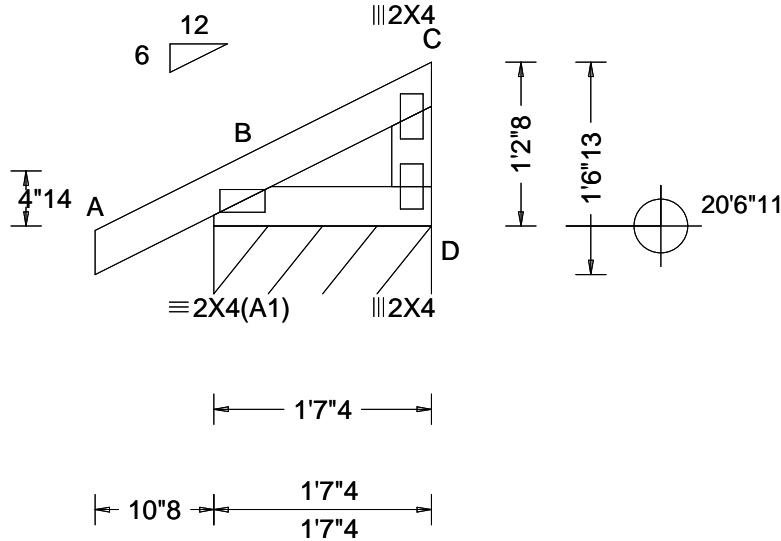


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Loading Criteria (psf) TCCL: 20.00 TCCL: 7.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 21.15 ft TCCL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.000 B - - HORZ(TL): 0.000 B - - Creep Factor: 2.0 Max TC CSI: 0.124 Max BC CSI: 0.016 Max Web CSI: 0.034 VIEW Ver: 23.02.01.1109.17	▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D* 106 /- /- /89 /35 /30 Wind reactions based on MWFRS D Brg Wid = 19.3 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#
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Lumber

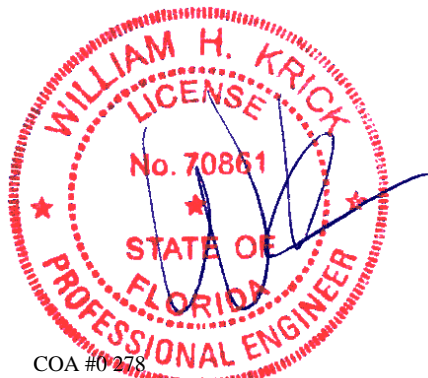
Top chord: 2x4 SP #2 N;
 Bot chord: 2x4 SP #2 N;
 Webs: 2x4 SP #3;

Wind

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

Additional Notes

Valley truss connection to truss below shall be designed and furnished by others .

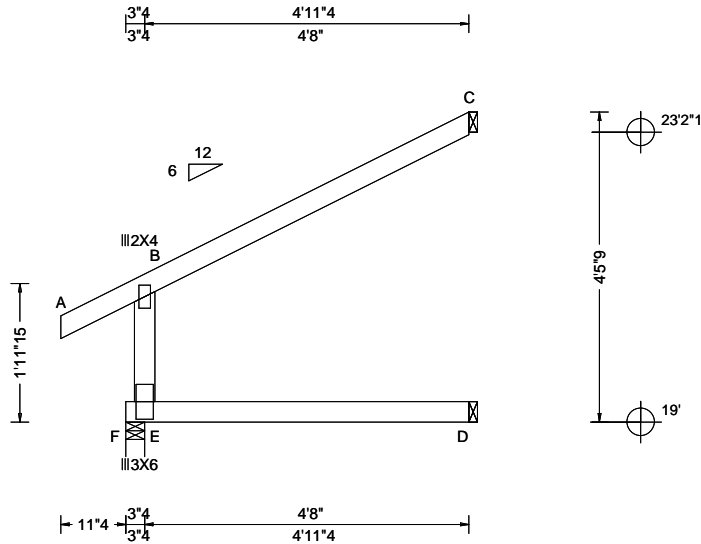


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				Loc		Gravity			Non-Gravity																													
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C	115	/-	/-	/39	/63	/192																																
Maximum Web Forces Per Ply (lbs) <table border="1"> <thead> <tr> <th>Members</th> <th>Tens.Comp.</th> </tr> </thead> <tbody> <tr> <td>B - E</td> <td>620 -212</td> </tr> </tbody> </table>				Members	Tens.Comp.	B - E	620 -212																															
Members	Tens.Comp.																																					
B - E	620 -212																																					

Lumber

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

Wind

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

Additional Notes

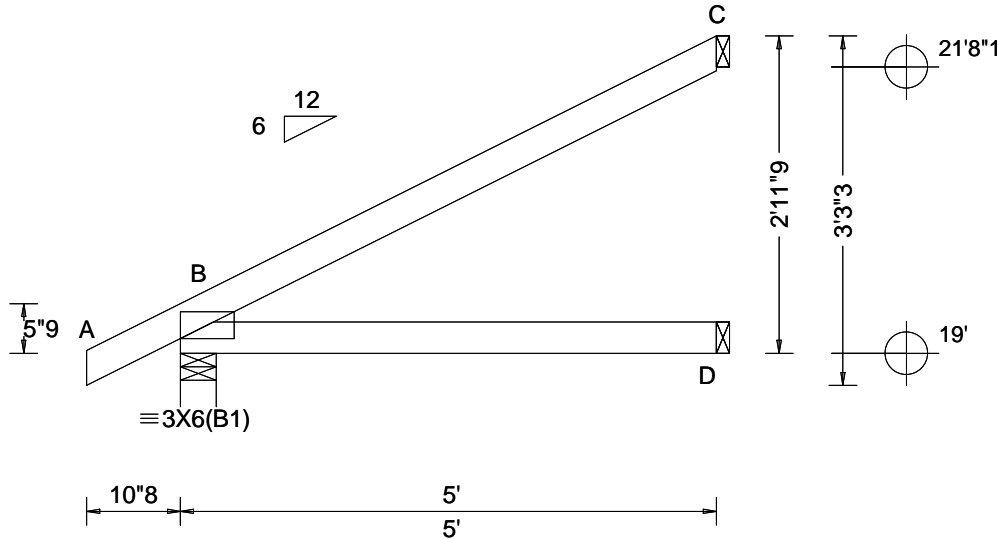
Provide (2) 0.131"x3.0", min. toe-nails at top chord.
 Provide (2) 0.131"x3.0", min. toe-nails at bottom chord.



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Loading Criteria (psf) TCCL: 20.00 TCCL: 7.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCCL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 20.49 ft TCCL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp1: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.007 B - - HORZ(TL): 0.008 B - - Creep Factor: 2.0 Max TC CSI: 0.668 Max BC CSI: 0.259 Max Web CSI: 0.000 VIEW Ver: 23.02.01.1109.17	▲ Maximum Reactions (lbs) <table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>249</td> <td>-</td> <td>-</td> <td>/189</td> <td>/112</td> <td>/184</td> </tr> <tr> <td>D</td> <td>92</td> <td>-</td> <td>-</td> <td>/52</td> <td>-</td> <td>-</td> </tr> <tr> <td>C</td> <td>122</td> <td>-</td> <td>-</td> <td>/86</td> <td>/154</td> <td>-</td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	B	249	-	-	/189	/112	/184	D	92	-	-	/52	-	-	C	122	-	-	/86	/154	-
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Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#																																						

Lumber

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

Wind

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

Additional Notes

Provide (2) 0.131"x3.0", min. toe-nails at top chord.
 Provide (2) 0.131"x3.0", min. toe-nails at bottom chord.

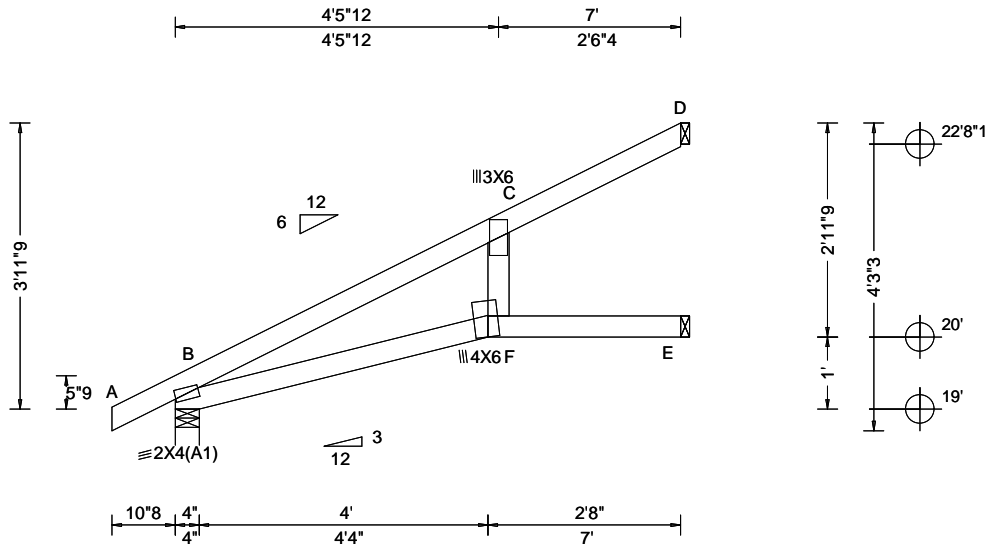


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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 20.99 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): -0.185 C 445 360 VERT(CL): 0.261 C 314 240 HORZ(LL): -0.108 C - - HORZ(TL): 0.150 C - - Creep Factor: 2.0 Max TC CSI: 0.696 Max BC CSI: 0.610 Max Web CSI: 0.307 VIEW Ver: 23.02.01.1109.17	▲ Maximum Reactions (lbs) Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 325 /- /- /231 /146 /252 E 102 /- /- /82 /68 /- D 154 /- /- /117 /149 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 2.1 E Brg Wid = 1.5 Min Req = - D Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#
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Lumber

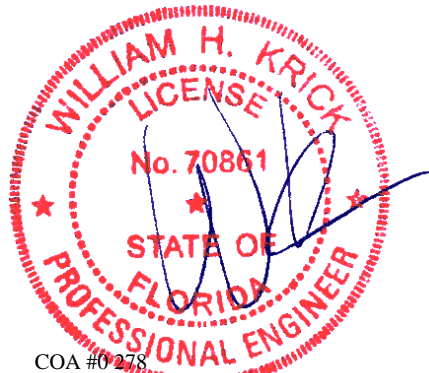
Top chord: 2x4 SP #2 N;
Bot chord: 2x4 SP #2 N;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

Shim all supports to solid bearing.
Provide (2) 0.131"x3.0", min. toe-nails at top chord.
Provide (2) 0.131"x3.0", min. toe-nails at bottom chord.



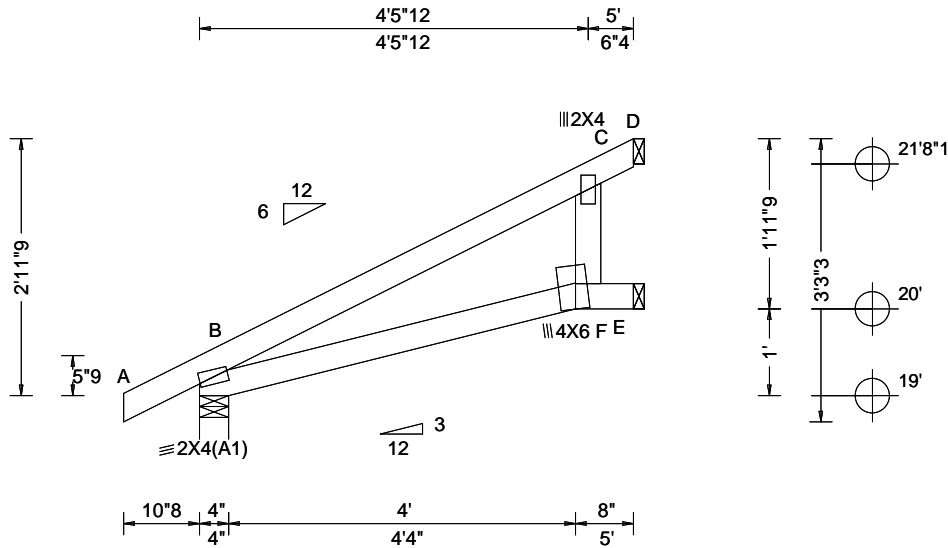
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Lumber

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

Shim all supports to solid bearing.
Provide (2) 0.131"x3.0", min. toe-nails at top chord.
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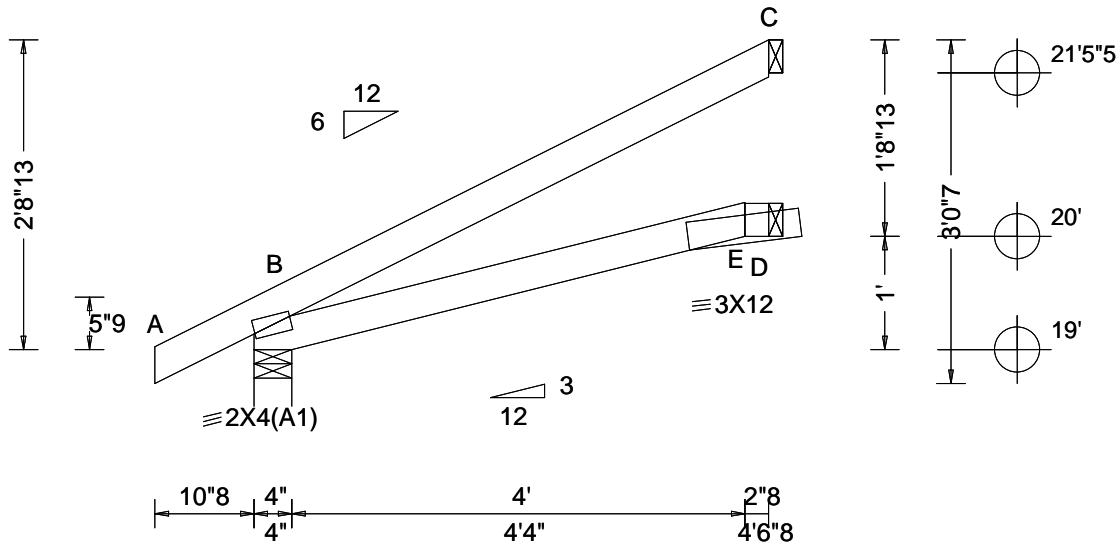


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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 20.38 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCcp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): -0.004 B 999 360 VERT(CL): 0.008 E 999 240 HORZ(LL): -0.006 B - - HORZ(TL): 0.007 B - - Creep Factor: 2.0 Max TC CSI: 0.549 Max BC CSI: 0.261 Max Web CSI: 0.000 VIEW Ver: 23.02.01A.1204.18	▲ Maximum Reactions (lbs) Gravity Loc R+ /R- /Rh /Rw /U /RL Non-Gravity B 234 /- /- /173 /107 /168 D 83 /- /- /47 /- /- C 110 /- /- /78 /139 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 2.1 D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#
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Lumber

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

Wind

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

Additional Notes

Shim all supports to solid bearing.
Provide (2) 0.131"x3.0", min. toe-nails at top chord.
Provide (2) 0.131"x3.0", min. toe-nails at bottom chord.

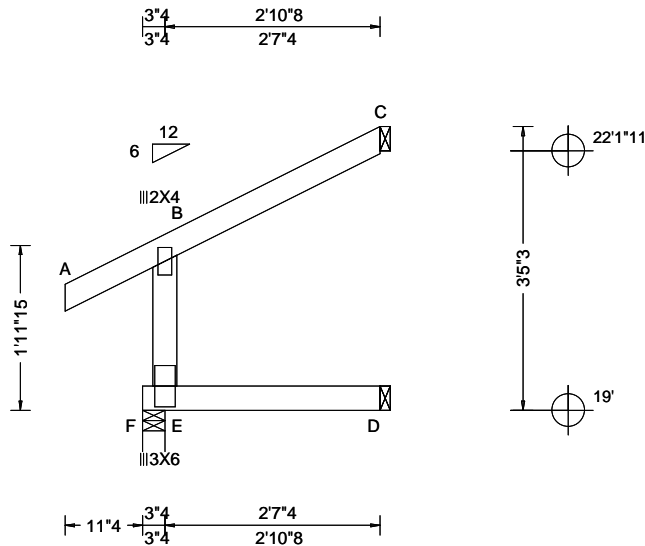


COA #0278

01/15/2024
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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 21.48 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): -0.001 F 999 360 VERT(CL): -0.002 F 999 240 HORZ(LL): -0.001 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.371 Max BC CSI: 0.063 Max Web CSI: 0.189 VIEW Ver: 23.02.01.1109.17	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL F 198 /- /- /193 /177 /- D 48 /- /- /24 /- /- C 48 /- /- /40 /26 /120 Wind reactions based on MWFRS F Brg Wid = 3.3 Min Req = 2.1 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# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. B - E 636 -165
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Lumber

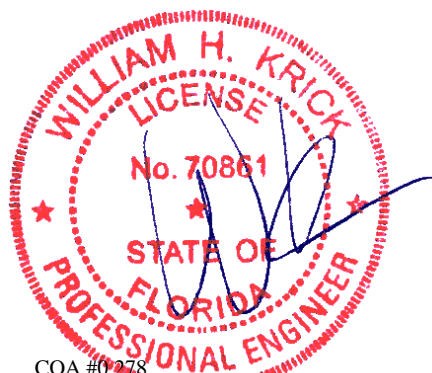
Top chord: 2x4 SP #2 N;
Bot chord: 2x4 SP #2 N;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

Provide (2) 0.131"x3.0", min. toe-nails at top chord.
Provide (2) 0.131"x3.0", min. toe-nails at bottom chord.



COA #0278

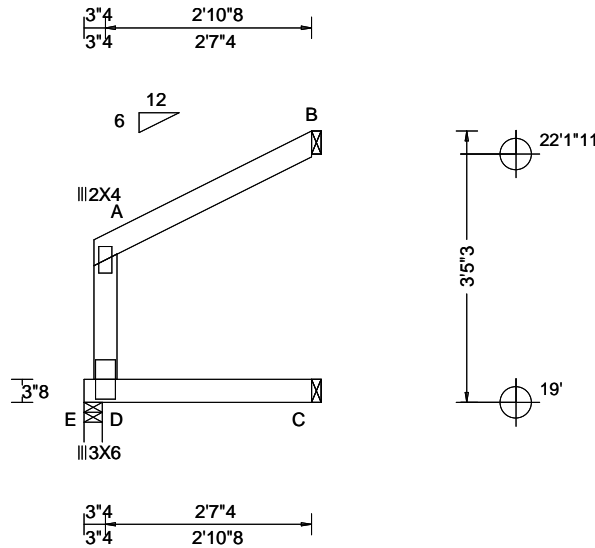
01/15/2024

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SEQN: 133914/ FROM: RDG	JACK Ply: 1 Qty: 3	Job Number: 374092 .1570 ,6U ,RC01 / 6 UNIT TOWNHOMES Truss Label: CJ3D	Cust: R 8975 JRef: 1XWf89750119 T54 DrwNo: 012.24.1555.50934 KD / WHK 01/12/2024
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Loading Criteria (psf) TCCL: 20.00 TCCL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 21.74 ft TCCL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): -0.000 A 999 360 VERT(CL): 0.000 A 999 240 HORZ(LL): -0.000 A - - HORZ(TL): 0.000 A - - Creep Factor: 2.0 Max TC CSI: 0.310 Max BC CSI: 0.062 Max Web CSI: 0.086 VIEW Ver: 23.02.01.1109.17	▲ Maximum Reactions (lbs) <table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>E</td> <td>127</td> <td>/-</td> <td>/-</td> <td>/86</td> <td>/72</td> <td>/-</td> </tr> <tr> <td>C</td> <td>47</td> <td>/-</td> <td>/-</td> <td>/24</td> <td>/-</td> <td>/-</td> </tr> <tr> <td>B</td> <td>68</td> <td>/-</td> <td>/-</td> <td>/36</td> <td>/51</td> <td>/83</td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	E	127	/-	/-	/86	/72	/-	C	47	/-	/-	/24	/-	/-	B	68	/-	/-	/36	/51	/83
				Loc		Gravity			Non-Gravity																													
R+	/R-	/Rh	/Rw		/U	/RL																																
E	127	/-	/-	/86	/72	/-																																
C	47	/-	/-	/24	/-	/-																																
B	68	/-	/-	/36	/51	/83																																
				Wind reactions based on MWFRS E Brg Wid = 2.8 Min Req = 2.1 C Brg Wid = 1.5 Min Req = - B Brg Wid = 1.5 Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375#																																		

Lumber

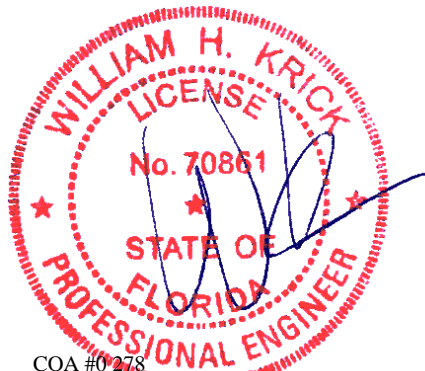
Top chord: 2x4 SP #2 N;
 Bot chord: 2x4 SP #2 N;
 Webs: 2x4 SP #3;

Wind

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

Additional Notes

Provide (2) 0.131"x3.0", min. toe-nails at top chord.
 Provide (2) 0.131"x3.0", min. toe-nails at bottom chord.



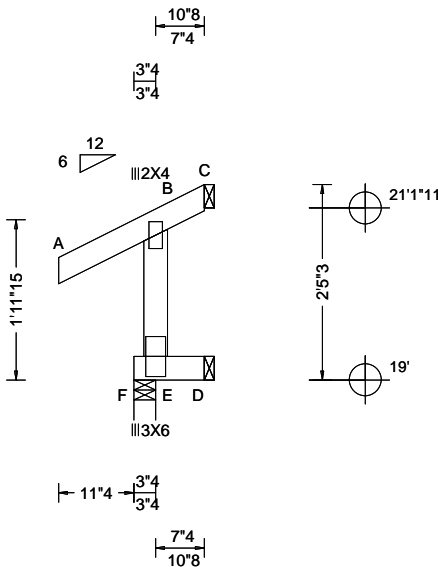
COA #0 278

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SEQN: 133915/ FROM: RDG	JACK Ply: 1 Qty: 11	Job Number: 374092 .1570 ,6U ,RC01 / 6 UNIT TOWNHOMES Truss Label: CJ1C	Cust: R 8975 JRef: 1XWf89750119 T105 DrwNo: 012.24.1555.50355 KD / WHK 01/12/2024
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Loading Criteria (psf) TCCL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 20.98 ft TCCL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): -0.001 B 999 360 VERT(CL): 0.001 B 999 240 HORZ(LL): -0.000 B - - HORZ(TL): 0.000 B - - Creep Factor: 2.0 Max TC CSI: 0.334 Max BC CSI: 0.007 Max Web CSI: 0.241 VIEW Ver: 23.02.01.1109.17	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL
				F 216 /- /- /249 /196 /- D 2 /- /- /1 /- /- C - /-99 /- /123 /143 /52 Wind reactions based on MWFRS F Brg Wid = 3.2 Min Req = 2.1 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# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp.

Lumber

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

Wind

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

Additional Notes

Provide (2) 0.131"x3.0", min. toe-nails at top chord.
 Provide (2) 0.131"x3.0", min. toe-nails at bottom chord.

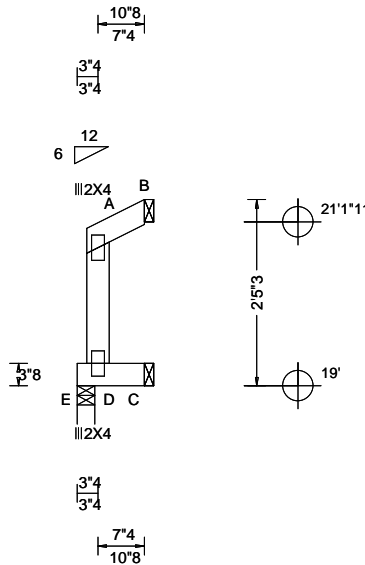


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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	Loc	R+	/R-	/Rh	/Rw	/U	/RL
TCDL: 7.00	Speed: 160 mph	Pf: NA Ce: NA	VERT(LL): -0.000 A 999 360	E	63	/-	/-	/32	/5	/-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.000 A 999 240	C	-	/-10	/-	/-	/1	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 A - -	B	13	/-	/-	/7	/9	/15
Des Ld: 37.00	EXP: C Kzt: NA	Building Code:	HORZ(TL): 0.000 A - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 21.24 ft	FBC 8th Ed. 2023 Res.	Creep Factor: 2.0	E	Brg Wid = 2.8		Min Req = 2.1			
Soffit: 0.00	TCDL: 4.2 psf	TPI Std: 2014	Max TC CSI: 0.010	C	Brg Wid = 1.5		Min Req = -			
Load Duration: 1.25	BCDL: 5.0 psf	Rep Fac: Yes	Max BC CSI: 0.013	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: 0.016	Bearing E is a rigid surface.						
	C&C Dist a: 3.00 ft	Plate Type(s):	VIEW Ver: 23.02.01.1109.17	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 N;
Bot chord: 2x4 SP #2 N;
Webs: 2x4 SP #3;

Wind

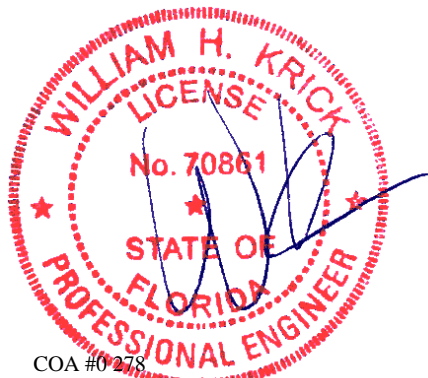
Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

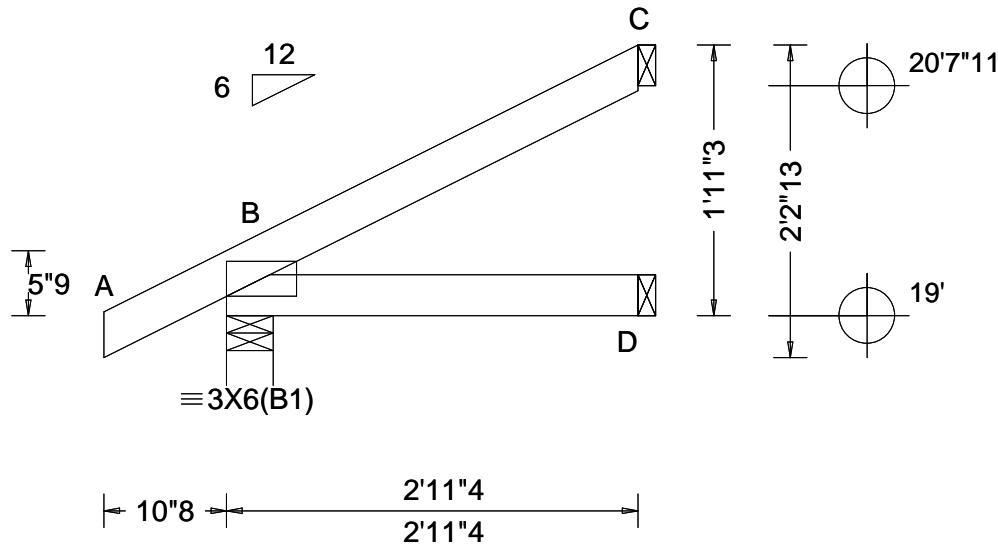
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Provide (2) 0.131"x3.0", min. toe-nails at bottom chord.



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Loading Criteria (psf) TCCL: 20.00 TCCL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 19.98 ft TCCL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.001 B - - HORZ(TL): 0.002 B - - Creep Factor: 2.0 Max TC CSI: 0.310 Max BC CSI: 0.102 Max Web CSI: 0.000 VIEW Ver: 23.02.01.1109.17	▲ Maximum Reactions (lbs) <table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>176</td> <td>/-</td> <td>/-</td> <td>/143</td> <td>/83</td> <td>/115</td> </tr> <tr> <td>D</td> <td>52</td> <td>/-</td> <td>/-</td> <td>/27</td> <td>/-</td> <td>/-</td> </tr> <tr> <td>C</td> <td>66</td> <td>/-</td> <td>/-</td> <td>/45</td> <td>/86</td> <td>/-</td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	B	176	/-	/-	/143	/83	/115	D	52	/-	/-	/27	/-	/-	C	66	/-	/-	/45	/86	/-
				Loc		Gravity			Non-Gravity																													
R+	/R-	/Rh	/Rw		/U	/RL																																
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Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 2.1 D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#																																						

Lumber

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

Wind

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

Additional Notes

Provide (2) 0.131"x3.0", min. toe-nails at top chord.
 Provide (2) 0.131"x3.0", min. toe-nails at bottom chord.

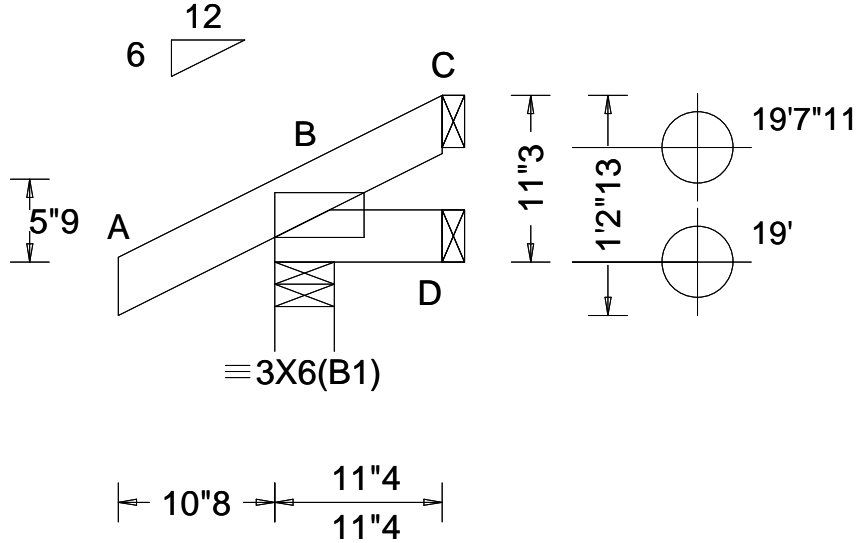


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Loading Criteria (psf) TCCL: 20.00 TCCL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 19.48 ft TCCL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 B - - HORZ(TL): 0.000 B - - Creep Factor: 2.0 Max TC CSI: 0.138 Max BC CSI: 0.016 Max Web CSI: 0.000 VIEW Ver: 23.02.01.1109.17	▲ Maximum Reactions (lbs) <table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>127</td> <td>-</td> <td>-</td> <td>/123</td> <td>/73</td> <td>/50</td> </tr> <tr> <td>D</td> <td>13</td> <td>-</td> <td>-</td> <td>/9</td> <td>/4</td> <td>-</td> </tr> <tr> <td>C</td> <td>-</td> <td>/-8</td> <td>-</td> <td>/25</td> <td>/28</td> <td>-</td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	B	127	-	-	/123	/73	/50	D	13	-	-	/9	/4	-	C	-	/-8	-	/25	/28	-
				Loc		Gravity			Non-Gravity																													
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Lumber

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

Wind

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

Additional Notes

Provide (2) 0.131"x3.0", min. toe-nails at top chord.
 Provide (2) 0.131"x3.0", min. toe-nails at bottom chord.

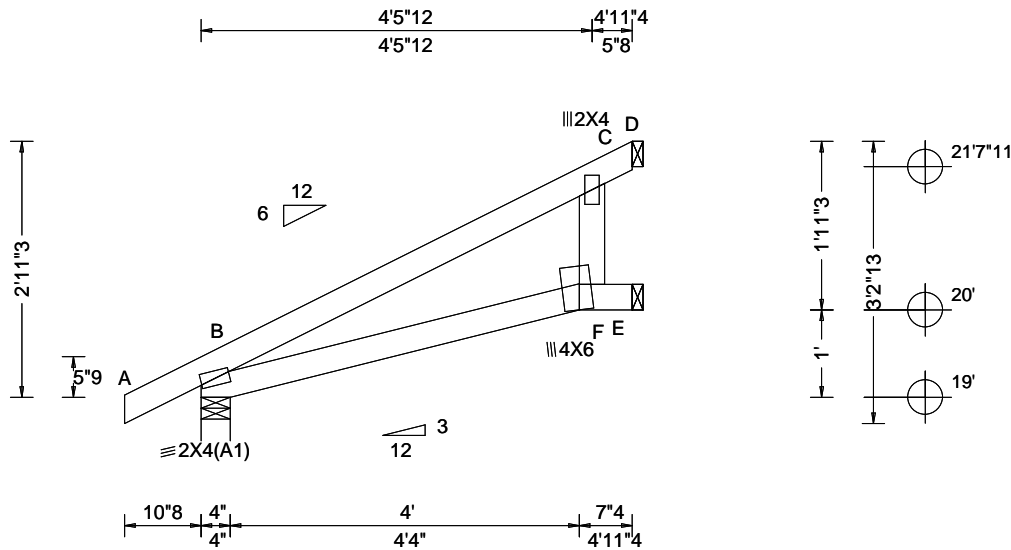


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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 20.48 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): -0.010 C 999 360 VERT(CL): 0.014 C 999 240 HORZ(LL): -0.011 C - - HORZ(TL): 0.013 C - - Creep Factor: 2.0 Max TC CSI: 0.508 Max BC CSI: 0.227 Max Web CSI: 0.254 VIEW Ver: 23.02.01.1109.17	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 249 /- /- /182 /113 /182 E 114 /- /- /74 /179 /- D 127 /- /- /64 /- /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) E Brg Wid = 1.5 Min Req = - D Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. C - F 376 -63
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Lumber

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

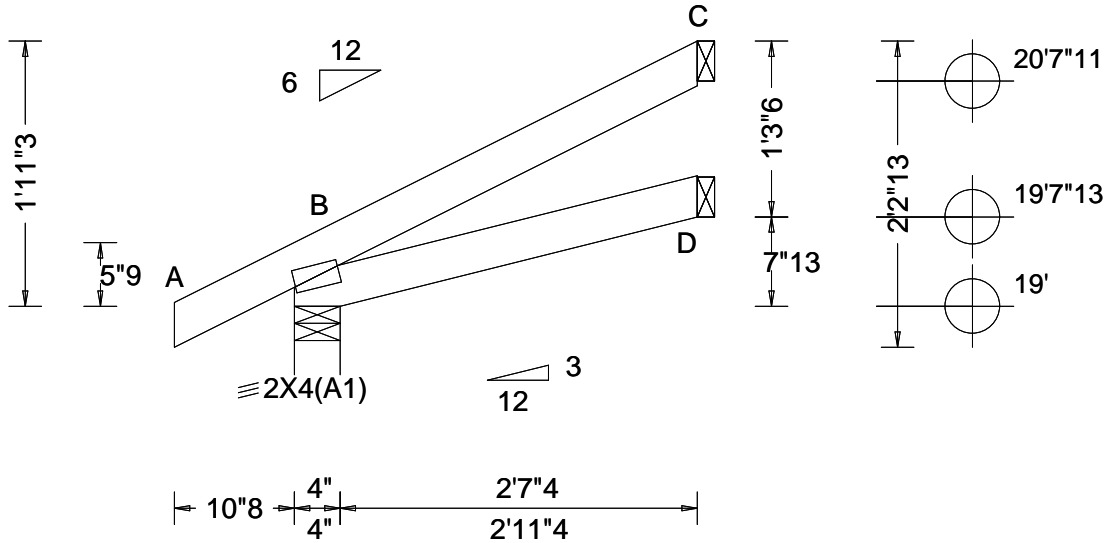
Shim all supports to solid bearing.
Provide (2) 0.131"x3.0", min. toe-nails at top chord.
Provide (2) 0.131"x3.0", min. toe-nails at bottom chord.



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Loading Criteria (psf) TCCL: 20.00 TCCL: 7.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 19.98 ft TCCL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): -0.001 B 999 360 VERT(CL): 0.002 B 999 240 HORZ(LL): -0.002 B - - HORZ(TL): 0.002 B - - Creep Factor: 2.0 Max TC CSI: 0.309 Max BC CSI: 0.111 Max Web CSI: 0.000 VIEW Ver: 23.02.01.1109.17	▲ Maximum Reactions (lbs) <table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>177</td> <td>-</td> <td>-</td> <td>/137</td> <td>/86</td> <td>/115</td> </tr> <tr> <td>D</td> <td>53</td> <td>-</td> <td>-</td> <td>/28</td> <td>-</td> <td>-</td> </tr> <tr> <td>C</td> <td>66</td> <td>-</td> <td>-</td> <td>/45</td> <td>/86</td> <td>-</td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	B	177	-	-	/137	/86	/115	D	53	-	-	/28	-	-	C	66	-	-	/45	/86	-
				Loc		Gravity			Non-Gravity																													
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Lumber

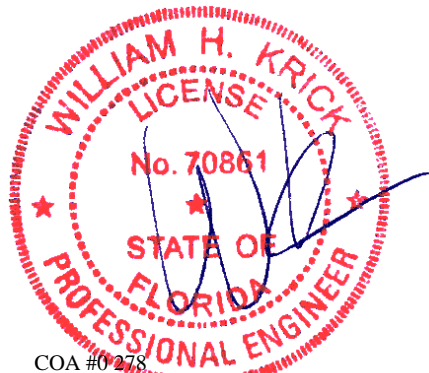
Top chord: 2x4 SP #2 N;
 Bot chord: 2x4 SP #2 N;

Wind

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

Additional Notes

Shim all supports to solid bearing.
 Provide (2) 0.131"x3.0", min. toe-nails at top chord.
 Provide (2) 0.131"x3.0", min. toe-nails at bottom chord.

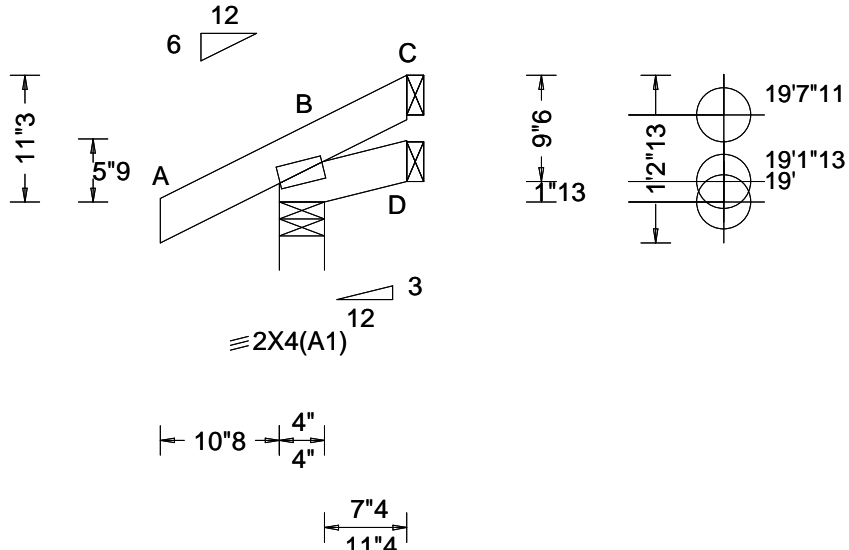


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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL:	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	Loc	R+	/R-	/Rh	/Rw	/U	/RL
TCLL: 20.00	Speed: 160 mph	Pf: NA Ce: NA	VERT(LL): 0.000 B 999 360	B	127	/-	/-	/116	/75	/50
TCDL: 7.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.000 B 999 240	D	13	/-	/-	/10	/5	/-
BCLL: 0.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 B - -	C	-	/-7	/-	/24	/26	/-
BCDL: 10.00	EXP: C Kzt: NA	Building Code:	HORZ(TL): 0.000 B - -	Wind reactions based on MWFRS						
Des Ld: 37.00	Mean Height: 19.48 ft	FBC 8th Ed. 2023 Res.	Creep Factor: 2.0	B Brg Wid = 4.0 Min Req = 1.5 (Truss)						
NCBCLL: 10.00	TCDL: 4.2 psf	TPI Std: 2014	Max TC CSI: 0.135	D Brg Wid = 1.5 Min Req = -						
Soffit: 0.00	BCDL: 5.0 psf	Rep Fac: Yes	Max BC CSI: 0.016	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: 0.000	Bearing B is a rigid surface.						
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Plate Type(s):	VIEW Ver: 23.02.01.1109.17	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 N;
Bot chord: 2x4 SP #2 N;

Wind

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

Additional Notes

Shim all supports to solid bearing.
Provide (2) 0.131"x3.0", min. toe-nails at top chord.
Provide (2) 0.131"x3.0", min. toe-nails at bottom chord.

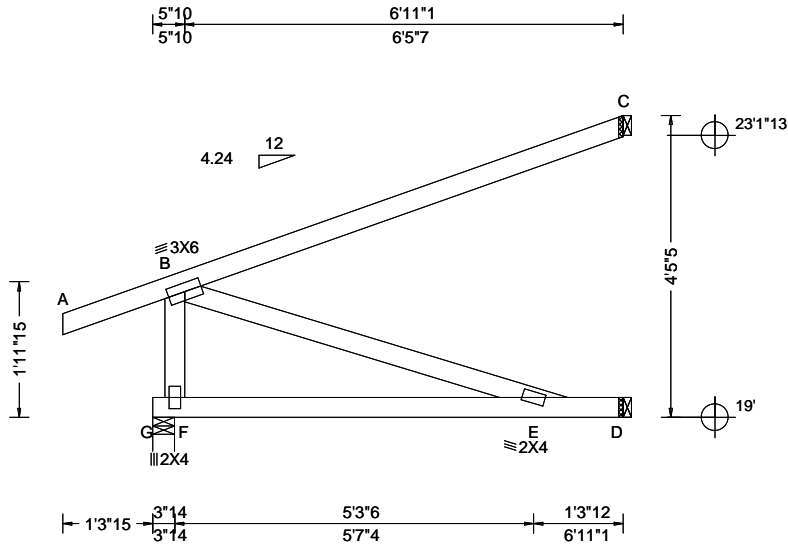


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Loading Criteria (psf) TCLL: 20.00 TCCL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 21.98 ft TCCL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): 0.039 E 999 360 VERT(CL): 0.072 E 999 240 HORZ(LL): 0.013 B - - HORZ(TL): 0.024 B - - Creep Factor: 2.0 Max TC CSI: 0.744 Max BC CSI: 0.304 Max Web CSI: 0.196 VIEW Ver: 23.02.01.1109.17	▲ Maximum Reactions (lbs) <table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>G</td> <td>173</td> <td>-</td> <td>-</td> <td>-</td> <td>/118</td> <td>-</td> </tr> <tr> <td>D</td> <td>80</td> <td>-</td> <td>/0</td> <td>/29</td> <td>-</td> <td>/0</td> </tr> <tr> <td>C</td> <td>197</td> <td>-</td> <td>-</td> <td>-</td> <td>/206</td> <td>-</td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	G	173	-	-	-	/118	-	D	80	-	/0	/29	-	/0	C	197	-	-	-	/206	-
				Loc		Gravity			Non-Gravity																													
R+	/R-	/Rh	/Rw		/U	/RL																																
G	173	-	-	-	/118	-																																
D	80	-	/0	/29	-	/0																																
C	197	-	-	-	/206	-																																
				Wind reactions based on MWFRS G Brg Wid = 3.8 Min Req = 2.1 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#																																		

Lumber

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

Loading

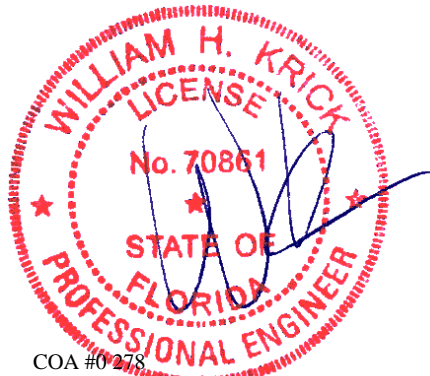
Hipjack supports 4-10-12 setback jacks with no webs.

Wind

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

Additional Notes

Provide (2) 0.131"x3.0", min. toe-nails at top chord.
 Provide (2) 0.131"x3.0", min. toe-nails at bottom chord.

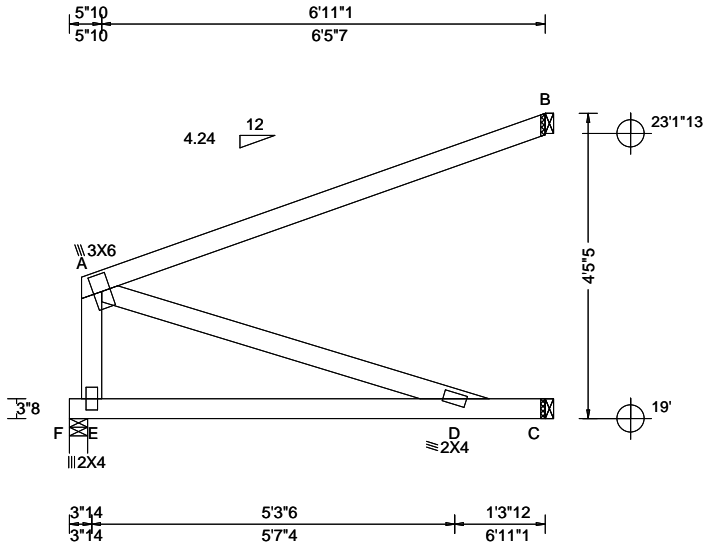


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Lumber

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

Loading

Hipjack supports 4-9-3 setback jacks with no webs.

Wind

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

Additional Notes

Provide (2) 0.131"x3.0", min. toe-nails at top chord.
Provide (2) 0.131"x3.0", min. toe-nails at bottom chord.

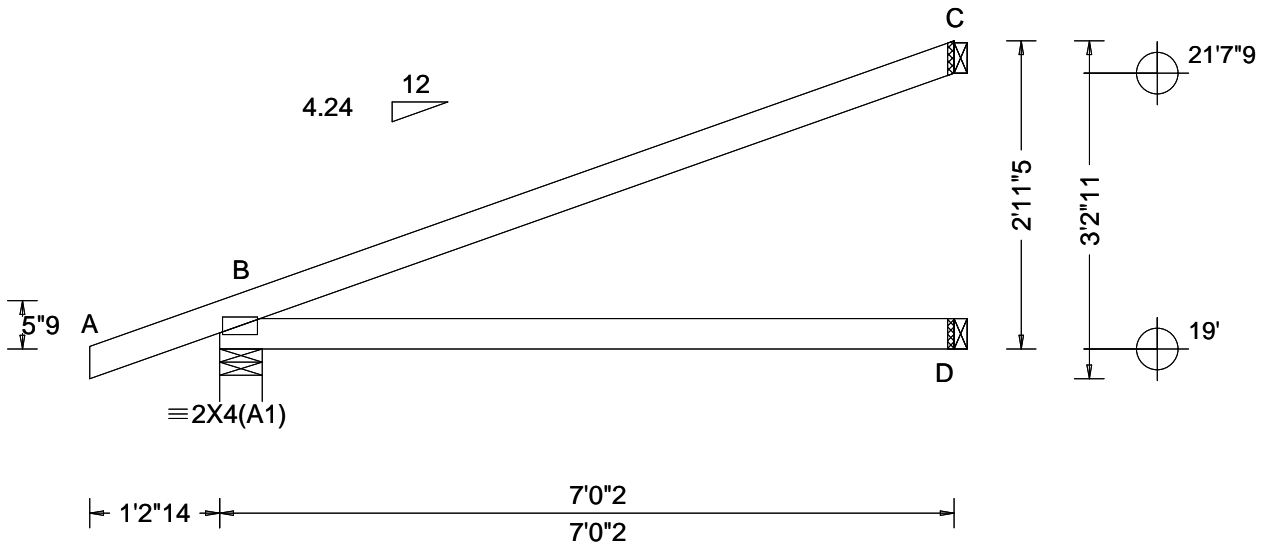


COA #0 278

01/15/2024
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Loading Criteria (psf) TCLL: 20.00 TC DL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 20.48 ft TC DL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.010 B - - HORZ(TL): 0.016 B - - Creep Factor: 2.0 Max TC CSI: 0.299 Max BC CSI: 0.766 Max Web CSI: 0.000 VIEW Ver: 23.02.01.1109.17	▲ Maximum Reactions (lbs) <table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>217</td> <td>-</td> <td>-</td> <td>-</td> <td>/146</td> <td>-</td> </tr> <tr> <td>D</td> <td>136</td> <td>-</td> <td>-</td> <td>-</td> <td>/90</td> <td>-</td> </tr> <tr> <td>C</td> <td>57</td> <td>-</td> <td>-</td> <td>-</td> <td>/8</td> <td>-</td> </tr> </tbody> </table> Wind reactions based on MWFRS B Brg Wid = 4.9 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	B	217	-	-	-	/146	-	D	136	-	-	-	/90	-	C	57	-	-	-	/8	-
				Loc		Gravity			Non-Gravity																													
R+	/R-	/Rh	/Rw		/U	/RL																																
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C	57	-	-	-	/8	-																																
Lumber Top chord: 2x4 SP #2 N; Bot chord: 2x4 SP #1;																																						

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
 TC: From 0 plf at -1.24 to 55 plf at 0.00
 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: -4 lb Conc. Load at 1.43
 TC: 132 lb Conc. Load at 4.26
 BC: 26 lb Conc. Load at 1.43
 BC: 105 lb Conc. Load at 4.26

Wind

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

Additional Notes

Provide (2) 0.131"x3.0", min. toe-nails at top chord.
 Provide (2) 0.131"x3.0", min. toe-nails at bottom chord.

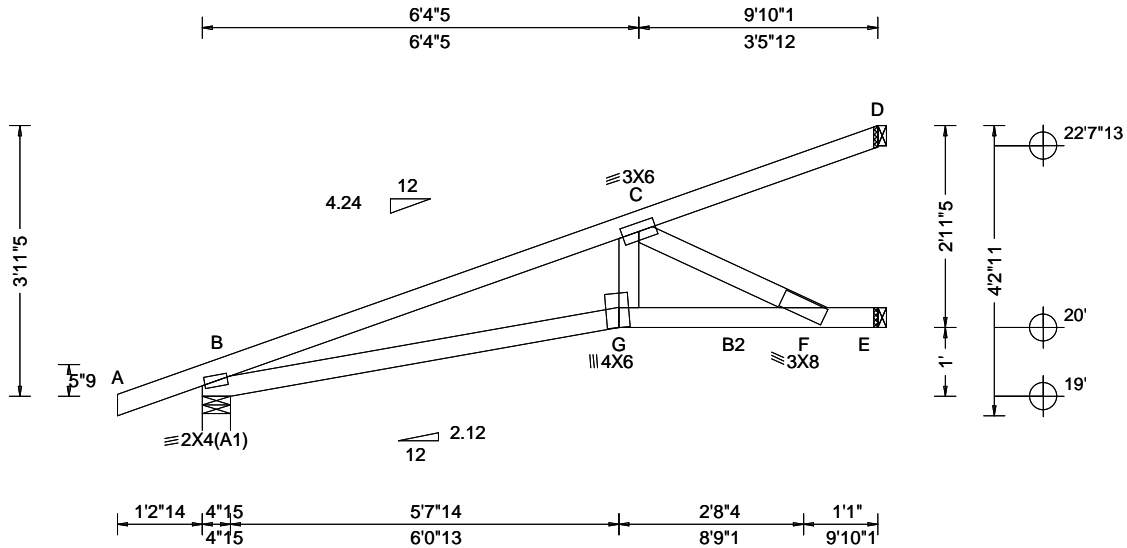


COA #0278

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Loading Criteria (psf) TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 20.98 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.071 G 999 360 VERT(CL): 0.134 G 866 240 HORZ(LL): 0.020 C - - HORZ(TL): 0.037 C - - Creep Factor: 2.0 Max TC CSI: 0.367 Max BC CSI: 0.716 Max Web CSI: 0.230 VIEW Ver: 23.02.01.1109.17	▲ Maximum Reactions (lbs) Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 319 /- /- /- /203 /- E 395 /- /0 /- /180 /0 D 183 /- /- /- /174 /- Wind reactions based on MWFRS B Brg Wid = 4.9 Min Req = 2.1 E Brg Wid = 1.5 Min Req = - D Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 606 -965 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - G 899 -551 G - F 808 -524 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. G - C 404 -101 C - F 600 -922
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Lumber

Top chord: 2x4 SP #2 N;
Bot chord: 2x4 SP #2 N; B2 2x4 SP #1;
Webs: 2x4 SP #3;

Loading

Hipjack supports 6-11-8 setback jacks with no webs.

Wind

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

Additional Notes

Shim all supports to solid bearing.
Provide (2) 16d Common (0.162"x3.5") nails, toe nailed at T.C.
Provide (3) 16d Common (0.162"x3.5") nails, toe nailed at B.C.



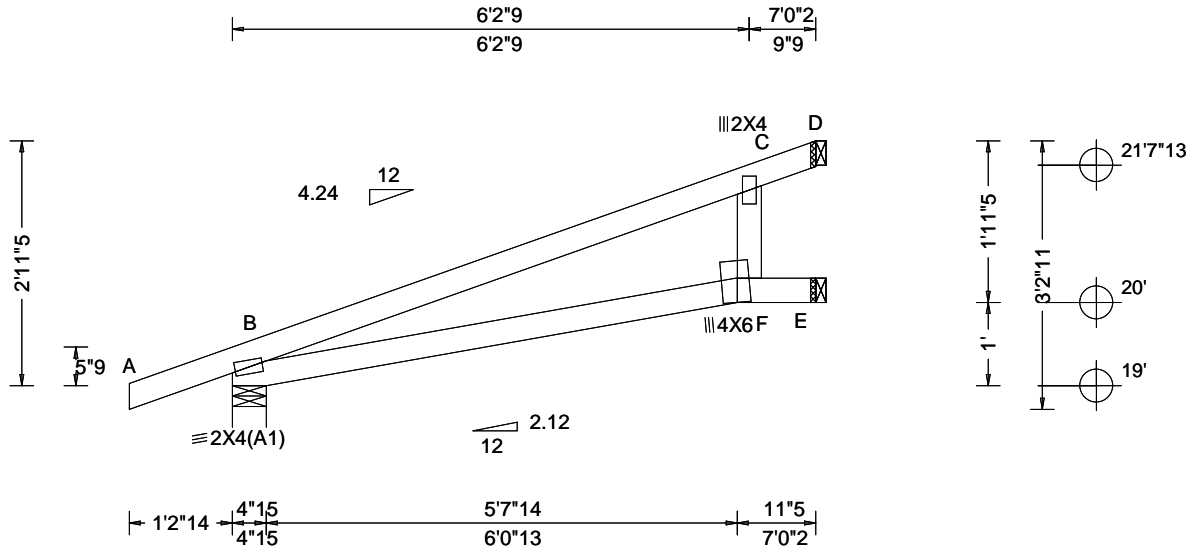
COA #0278

01/15/2024

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Loading Criteria (psf) TCCL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 Speed: 160 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 20.48 ft TCCL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCp: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): 0.038 C 999 360 VERT(CL): 0.071 C 999 240 HORZ(LL): 0.020 C - - HORZ(TL): 0.038 C - - Creep Factor: 2.0 Max TC CSI: 0.589 Max BC CSI: 0.433 Max Web CSI: 0.213 VIEW Ver: 23.02.01.1109.17	▲ Maximum Reactions (lbs) <table border="1"> <thead> <tr> <th rowspan="2">Loc</th> <th colspan="3">Gravity</th> <th colspan="3">Non-Gravity</th> </tr> <tr> <th>R+</th> <th>/R-</th> <th>/Rh</th> <th>/Rw</th> <th>/U</th> <th>/RL</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>172</td> <td>-</td> <td>-</td> <td>-</td> <td>/110</td> <td>-</td> </tr> <tr> <td>E</td> <td>147</td> <td>-</td> <td>-</td> <td>-</td> <td>/144</td> <td>-</td> </tr> <tr> <td>D</td> <td>139</td> <td>-</td> <td>-</td> <td>-</td> <td>/27</td> <td>-</td> </tr> </tbody> </table>	Loc	Gravity			Non-Gravity			R+	/R-	/Rh	/Rw	/U	/RL	B	172	-	-	-	/110	-	E	147	-	-	-	/144	-	D	139	-	-	-	/27	-
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Lumber

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

Loading

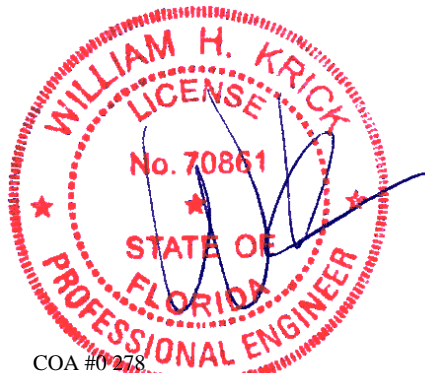
Hipjack supports 4-11-8 setback jacks with no webs.

Wind

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

Additional Notes

Shim all supports to solid bearing.
 Provide (2) 0.131"x3.0", min. toe-nails at top chord.
 Provide (2) 0.131"x3.0", min. toe-nails at bottom chord.

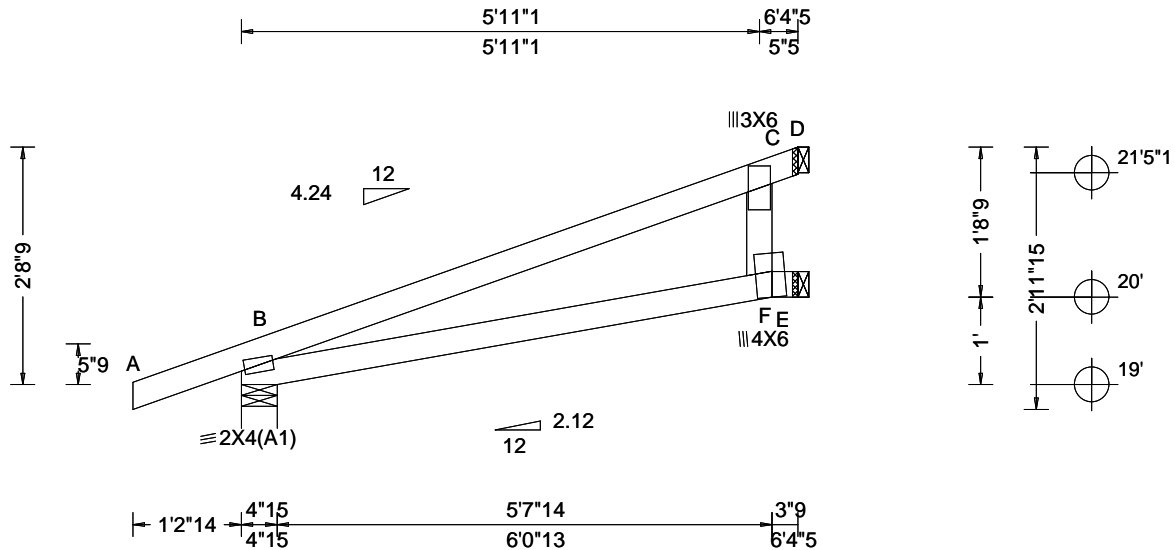


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Lumber

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

Loading

Hipjack supports 4-6-0 setback jacks with no webs.

Wind

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

Additional Notes

Shim all supports to solid bearing.
 Provide (2) 0.131"x3.0", min. toe-nails at top chord.
 Provide (2) 0.131"x3.0", min. toe-nails at bottom chord.



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NAIL SPACING DETAIL

MINIMUM SPACING FOR SINGLE BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

BLOCK LOCATION, SIZE, LENGTH, GRADE AND TOTAL NUMBER AND TYPE OF NAILS ARE TO BE SPECIFIED ON SEALED DESIGN REFERENCING THIS DETAIL.

LOAD PERPENDICULAR TO GRAIN

A - EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)

B - SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)

C - END DISTANCE (15 NAIL DIAMETERS)

LOAD PARALLEL TO GRAIN

A - EDGE DISTANCE (6 NAIL DIAMETERS)

C - SPACING OF NAILS IN A ROW AND END DISTANCE (15 NAIL DIAMETERS)

D - SPACING BETWEEN STAGGERED ROWS OF NAILS (7 1/2 NAIL DIAMETERS)

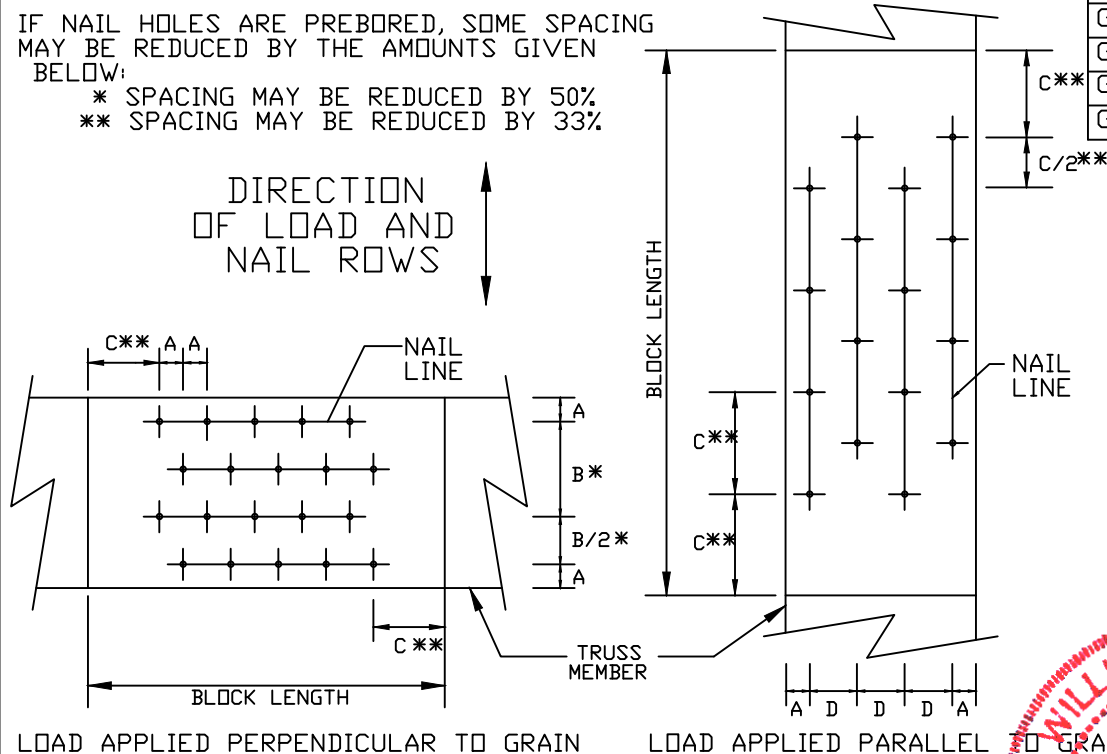
IF NAIL HOLES ARE PREBORED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW:

* SPACING MAY BE REDUCED BY 50%

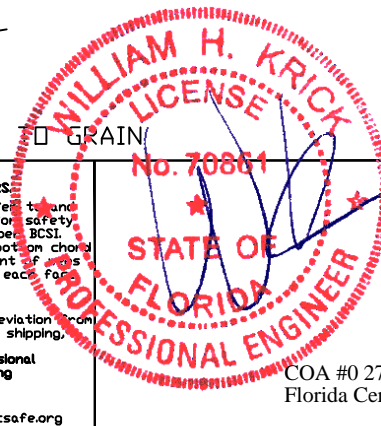
** SPACING MAY BE REDUCED BY 33%

MINIMUM NAIL SPACING DISTANCES

NAIL TYPE	DISTANCES			
	A	B*	C**	D
8d BOX (0.113"X 2.5",MIN)	3/4"	1 3/8"	1 3/4"	7/8"
10d BOX (0.128"X 3",MIN)	7/8"	1 5/8"	2"	1"
12d BOX (0.128"X 3.25",MIN)	7/8"	1 5/8"	2"	1"
16d BOX (0.135"X 3.5",MIN)	7/8"	1 5/8"	2 1/8"	1 1/8"
20d BOX (0.148"X 4",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
8d COMMON (0.131"X 2.5",MIN)	7/8"	1 5/8"	2"	1"
10d COMMON (0.148"X 3",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
12d COMMON (0.148"X 3.25",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
16d COMMON (0.162"X 3.5",MIN)	1"	2"	2 1/2"	1 1/4"
GUN (0.120"X 2.5",MIN)	3/4"	1 1/2"	1 7/8"	1"
GUN (0.131"X 2.5",MIN)	7/8"	1 5/8"	2"	1"
GUN (0.120"X 3",MIN)	3/4"	1 1/2"	1 7/8"	1"
GUN (0.131"X 3",MIN)	7/8"	1 5/8"	2"	1"



LOAD APPLIED PERPENDICULAR TO GRAIN LOAD APPLIED PARALLEL TO GRAIN



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

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COA #0 278 01/15/2024
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REF NAIL SPACE
 DATE 10/01/14
 DRWG CNNAILSP1014