Alpine, an ITW Company 6750 Forum Drive, Suite 305 Orlando, FL 32821 Phone: (800)755-6001 www.alpineitw.com

Site Information:

Customer: W. B. Howland Company, Inc.

Job Number: 22-6958

Job Description: Truntz

Address:

Job Engineering Criteria:				
Design Code: FBC 7th Ed. 2020 Res.	IntelliVIEW Version: 21.01.01A through 21.02.01			
	JRef #: 1Xdl2150012			
Wind Standard: ASCE 7-16 Wind Speed (mph): 130	Design Loading (psf): 40.00			
Building Type: Closed				

This package contains general notes pages, 60 truss drawing(s) and 7 detail(s).

No 70773

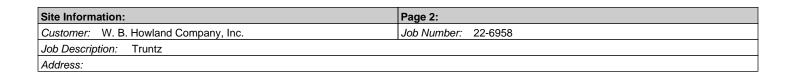
STATE OF

COA#0-278

Item	Drawing Number	Truss
1	061.22.1523.14170	A01
3	061.22.1523.13122	A03
5	061.22.1532.24360	A05
7	061.22.1523.13686	A07
9	061.22.1523.14294	A09
11	061.22.1530.40323	A11
13	061.22.1530.35520	A13
15	061.22.1530.16950	A15
17	061.22.1523.14122	A17
19	061.22.1523.13561	A19
21	061.22.1523.13356	A21
23	061.22.1523.14216	A23
25	061.22.1530.12033	A25
27	061.22.1523.13014	A27
29	061.22.1523.12825	A29
31	061.22.1523.13170	A31
33	061.22.1523.12607	B01
35	061.22.1523.12951	B03
37	061.22.1523.13716	B05
39	061.22.1523.13638	B07
41	061.22.1523.14185	B09
43	061.22.1528.41113	C02
45	061.22.1527.35877	J01HJ
47	061.22.1527.33900	J02HJ
49	061.22.1523.13920	J04
51	061.22.1523.14013	J06

Item	Drawing Number	Truss
2	061.22.1523.12966	A02
4	061.22.1523.13562	A04
6	061.22.1523.12747	A06
8	061.22.1523.14247	A08
10	061.22.1531.26817	A10
12	061.22.1530.38687	A12
14	061.22.1530.19547	A14
16	061.22.1523.13592	A16
18	061.22.1523.13060	A18
20	061.22.1523.13404	A20
22	061.22.1523.12670	A22
24	061.22.1523.13623	A24
26	061.22.1523.13997	A26
28	061.22.1523.13747	A28
30	061.22.1523.13091	A30
32	061.22.1523.13795	A32
34	061.22.1523.13810	B02
36	061.22.1523.12749	B04
38	061.22.1523.12810	B06
40	061.22.1523.14045	B08
42	061.22.1523.13311	C01
44	061.22.1523.13935	J01
46	061.22.1523.13419	J02
48	061.22.1523.13388	J03
50	061.22.1523.13264	J05
52	061.22.1523.13467	J07

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Item	Drawing Number	Truss
53	061.22.1523.13857	J08
55	061.22.1523.12622	PB01
57	061.22.1523.12748	PB03
59	061.22.1523.14171	PB05
61	A14015ENC160118	
63	BRCLBSUB0119	
65	DEFLCAMB1014	
67	PB160160118	

No 70773

STATE OF

Item	Drawing Number	Truss
54	061.22.1523.13216	J09
56	061.22.1523.13498	PB02
58	061.22.1523.13139	PB04
60	061.22.1523.13889	PB06
62	A14030ENC160118	
64	CNNAILSP1014	
66	GBLLETIN0118	

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.

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 of all load cases.

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

Max Web CSI= Maximum bending and axial Combined Stress Index for Webs for of 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.

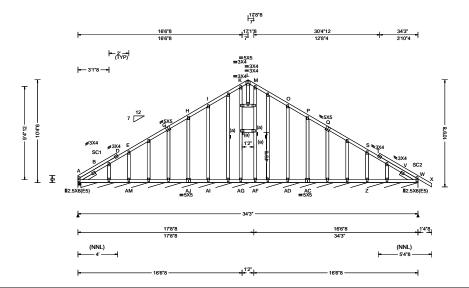
Refer to ASCE-7 for Wind and Seismic abbreviations.

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.: 514 Earth City Expressway, Suite 242, Earth City, MO 63045; 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.

SEQN: 75403 / GABL Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T37 / FROM: Qty: 1 DrwNo: 061.22.1523.14170 Truntz Truss Label: A01 KD / YK 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): -0.011 D 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.016 D 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.017 T
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.020 T
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.878
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.081
Spacing: 24.0 "	C&C Dist a: 3.42 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.306
' "	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15

Lumber

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

Stack Chord: SC2 2x4 SP #2; Lt Slider: 2x4 SP #3; block length = 1.500'

Rt Slider: 2x4 SP #3; block length = 1.500'

(a) Continuous lateral restraint equally spaced on

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 10.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

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

Brg Wid = 407 Min Req = -Bearings A & A 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 - D 310 - 447 K-L 500 - 133 D-E 516 - 600 500 - 121 L-M 378 E-G - 484 M - O - 152

▲ Maximum Reactions (lbs), or *=PLF

Wind reactions based on MWFRS Brg Wid = 3.5

/Rh

Non-Gravity /Rw /U

/59

/366

/86

Min Reg = 1.5

/RL

/840

/-

Gravity

Loc R+

W* 191

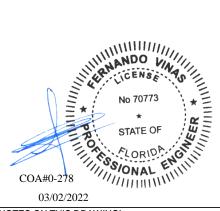
Α 326

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	Comp.	Chords	Tens. (Comp.
A -AM	415	- 225	AF-AD	434	- 219
AM-AJ	428	- 222	AD-AC	430	- 217
AJ-AI	430	- 220	AC-Z	428	- 216
AI-AG	434	- 219	Z - W	415	- 208
AG-AF	433	- 219			

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.C	comp.	Gables	Tens. (Comp.
E -AM	427	- 480	AD- O	209	- 429
H -AJ	197	- 395	AC- P	197	- 395
I-AI	209	- 429	Z-S	273	- 450



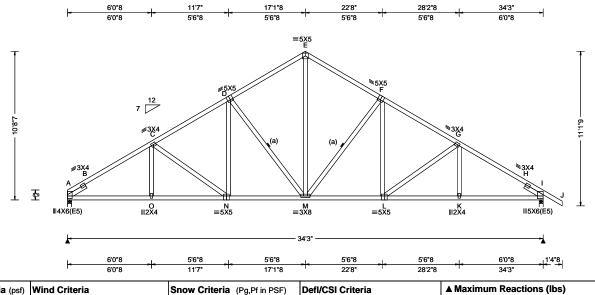
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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



SEQN: 75589 / COMN Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T23 / FROM: DrwNo: 061.22.1523.12966 Qty: 1 Truntz Truss Label: A02 KD / YK 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximι
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 0.00 ft TCDL: 4.2 psf BCDL: 5.0 psf	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 7th Ed. 2020 Res. TPI Std: 2014	Defl/CSI Criteria	G Loc R+
Spacing: 24.0 "	MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Max Web CSI: 0.849 VIEW Ver: 21.02.01.1216.15	Members Maximum Chords T A - B B - C
Lumbor				5 5

1422 /-/825 1519 /904 Wind reactions based on MWFRS Brg Wid = 3.5Min Reg = 1.7 (Truss) Brg Wid = 3.5 Min Req = 1.8 (Truss) Bearings A & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords

697 - 2344

677 - 2239

653 - 1888

606 - 1465

C-D

D-E

Gravity

Lumber

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

Slider: 2x4 SP #3; block length = 1.500' Rt Slider: 2x4 SP #3; block length = 1.500'

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

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

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

/Rh

Chords	Tens.C	omp.	Chords	Tens. (Comp.
A - O	1862	- 460	M - L	1540	- 283
O - N	1859	- 460	L-K	1844	- 453
N - M	1542	- 284	K - I	1847	- 453

F-G

G-H

Non-Gravity

/265 /289

Tens. Comp.

671 - 2226

690 - 2285

606 - 1466

651 - 1884

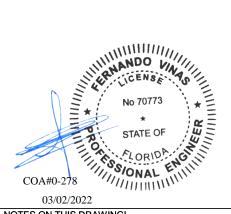
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/RL

/Rw / U

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp	. Webs	Tens.	Comp.
C - N	217 - 382	2 E-M	1044	- 409
N - D	382 - 73	3 M-F	291	- 578
D - M	294 - 581	F-L	379	- 69



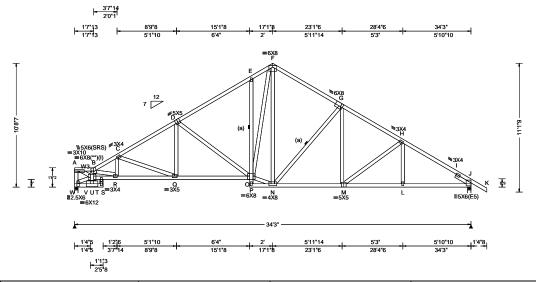
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SEQN: 75405 / COMN Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T35 / FROM: DrwNo: 061.22.1523.13122 Qty: 1 Truntz Truss Label: A03 KD / YK 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.129 E 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.264 E 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.077 J
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.160 J
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.440
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.770
Spacing: 24.0 "	C&C Dist a: 3.42 ft	Rep Fac: Yes	Max Web CSI: 0.814
' "	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15
Lumber			

▲ Maximum Reactions (lbs)							
		Gravity		Non-Gravity			
	Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
	W 142	2 /-	/-	/798	/269	/278	
	J 1519	9 /-	/-	/903	/291	/-	
	Wind rea	actions b	ased on I	MWFRS			
	W Brg	Wid = 3	.5 Min l	Req = 1.7	7 (Truss	s)	
	J Brg	Wid = 3	.5 Min l	Req = 1.8	(Truss	s)	
	Bearings	s W & J a	are a rigio	l surface.	•	′	
	Member	s not list	ed have f	orces less	s than 3	375#	
	Maximu	m Top (Chord Fo	rces Per	Ply (lb	s)	
	Chords	Tens.Co	omp.	Chords	Tens.	Ćomp.	
	A - B	521 -	2596	F-G	446	- 1476	
	B-C	602 -	2929	G - H	473	- 1910	
	C-D	512 -	2354	H-I	472	- 2224	
		-					

▲ Maximum Reactions (lbs)

R - Q

Q - O

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; W3 2x4 SP #2; Rt Slider: 2x4 SP #3; block length = 1.500'

(a) Continuous lateral restraint equally spaced on member

Plating Notes

All plates are 2X4 except as noted.

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

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

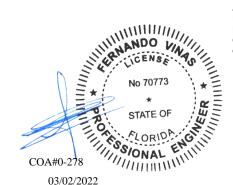
Wind

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

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

Deflection

Max JT VERT DEFL: LL: 0.13" DL: 0.14". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.



D-E 462 - 1768 489 - 2277 I - J E-F 554 - 1689 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. U-T 2868 - 513 1571 - 185 N - M T - R 2887 - 517 M - L 1842 - 302

L-J

1845

- 302

2508 - 443

1962 - 277

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. D - O 291 - 1285 222 -653 A - U 2854 - 572 0 - F 1260 - 297 U - B 320 - 1377 O - N 1275 - 29 B - R 111 - 375 N-G 224 - 587 C-Q 179 - 572 G - M 375 - 30 Q-D 398

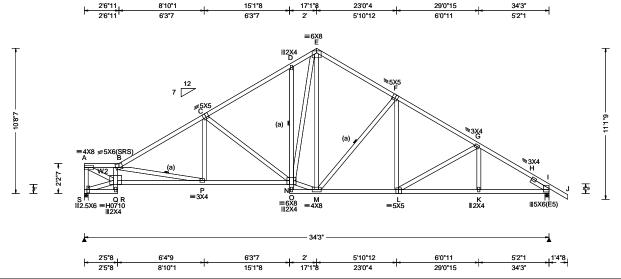
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SEQN: 75406 / COMN Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T7 / FROM: DrwNo: 061.22.1523.13562 Qty: 1 Truntz Truss Label: A04 KD / YK 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.42 ft Loc. from endwall: not in 4.50 ft	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0)	Defl/CSI Criteria	L SIVSIB
	GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): WAVE, HS	VIEW Ver: 21.02.01.1216.15	A

8'10"1

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; W2 2x4 SP #2; Rt Slider: 2x4 SP #3; block length = 1.500'

(a) Continuous lateral restraint equally spaced on member

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.

Deflection

Max JT VERT DEFL: LL: 0.14" DL: 0.15". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)		
A Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity		
Ce: NA	VERT(LL): 0.138 D 999 240	Loc R+ /R- /Rh /		
A Cs: NA	VERT(CL): 0.285 D 999 180	S 1421 /- /- /		
Duration: NA	HORZ(LL): 0.087 I	I 1519 /- /- /		
	HORZ(TL): 0.179 I	Wind reactions based on MWI		
ng Code:	Creep Factor: 2.0	S Brg Wid = 3.5 Min Req		
'th Ed. 2020 Res.	Max TC CSI: 0.553	I Brg Wid = 3.5 Min Req		
td: 2014	Max BC CSI: 0.882	Bearings S & I are a rigid surfa		
ac: Yes	Max Web CSI: 0.835	Members not listed have force		
:20(0)/10(0)		Maximum Top Chord Forces		
() ()		Chords Tens.Comp. Chords		
Type(s):				

١١	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
)	s	1421	/-	/-	/784	/271	/277
	1	1519	/-	/-	/904	/290	/-
	Wind	d reac	tions bas	sed on	MWFRS		
	S	Brg W	id = 3.5	Min	Req = 1.7	(Truss	s)
	1	Brg W	id = 3.5	Min	Req = 1.8	(Truss	s)
	Bear	rings S	& lare	a rigid	surface.	-	•
	Men	nbers i	not listed	have f	forces less	than 3	75#
	Max	imum	Top Ch	ord Fo	rces Per	Ply (lbs	s)
	Cho	rds T	ens.Com	np.	Chords	Tens.	Ćomp.
-	A - E	,	645 - 28	204	E-F	450	- 1476
	B-0	_	508 - 23		F-G	467	- 1476
	- `	-		-	_		
	C - F)	466 - 17	//()	G-H	475	- 2240

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Non-Gravity

492 - 2284

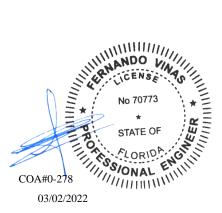
Maximum Bot Chord	Forces Per	Ply (lb:	s)
Chords Tens Comp	Chords	Tens	Co

Choras	rens.comp.		Choras	rens. Com		
Q-P P-N		- 283	L - K K - I		- 315 - 315	-
M - L	1571	- 186				

Maximum Web Forces Per Ply (lbs)

553 - 1683

Webs	Tens.Comp.	Webs	Tens. Comp.	
A - S	331 - 1349	C-N	230	- 673
A - Q	3167 - 705	N - E	1255	- 295
Q-B	356 - 1221	N - M	1270	- 31
B - P	348 - 1186	M - F	228	- 599
P - C	386 0			

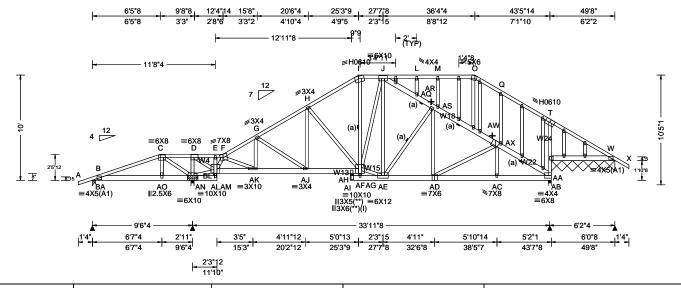


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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.128 N 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.292 N 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.080 U
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.184 U
NCBCLL: 10.00	Mean Height: 0.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 4.2 psi	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.573
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.398
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.840
' "	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 21.01.01A.0521.20

Lumber

Top chord: 2x4 SP M-31; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W4,W13,W15 2x4 SP #2; W18, W22 2x6 SP 2400f-2.0E; W24 2x4 SP M-31;

Bracing

(a) Continuous lateral restraint equally spaced on member

Special Leads

46							
52							
41							
00							
.00							
49							
52							
67							
00							
TC: -5 lb Conc. Load at 6.49							
TC: 168 lb Conc. Load at 8.52							

Plating Notes

All plates are 2X4 except as noted.

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

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

Loading

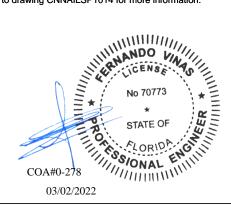
Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 10.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

Bearing Block(s)

Brg blocks:0.128"x3", min. nails brg x-loc #blocks length/blk #nails/blk wall plate 2 9.375' 1 12" 10 Rigid Surface Brg block to be same size and species as chord Refer to drawing CNNAILSP1014 for more information.



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Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.	
B - C	1428	-72	G-H	357	- 4418
C - D	3542	- 303	H - I	317	- 3998
D-E	424	- 51	l - J	242	- 3232
E-F	424	- 52	Q-T	46	- 434
F-G	329 -	4038			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. (Comp.
B -AO	50 - 1257	AH-AF	3659	- 283
AO-AN	34 - 1212	AE-AD	3987	- 297
AL-AK	1434 - 115	AD-AC	4566	- 337
AK-AJ	3482 - 279	AC-AB	4566	- 336
AJ-AH	3658 - 284			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens.	Comp.
C -AO	668 - 230	AF-AG	86	- 653
C -AN	326 - 2825	AF- J	763	-66
AN- D	296 - 2543	AF-AE	3301	- 246
AN-AL	300 - 3569	J -AR	285	- 3681
D -AL	3461 - 272	AE-AR	124	- 1648
AL- F	329 - 3693	AR-AW	349	- 4615
F-AK	2205 - 174	AD-AW	46	- 652
AK- G	126 - 971	AW-AB	396	- 5360
H -AF	65 - 678	AB-AA	1268	- 125
Al-AH	441 - 46	AA- T	94	-777
I-AF	1057 - 41			

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SEQN: 422335 GABL Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T42 FROM: DrwNo: 061.22.1532.24360 Qty: 1 Truntz Page 2 of 2 Truss Label: A05 KD / FV 03/02/2022

Additional Notes

See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

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

The overall height of this truss excluding overhang is

+ Member to be laterally braced for horizontal wind loads. bracing system to be desiged and furnished

Maximum Gable Forces Per Ply (lbs)					
Gables	Tens.C	Comp.	Gables	Tens.	Comp.
AQ- L	51	- 471	AX- Q	87	- 618

80 - 704

AS- M



03/02/2022

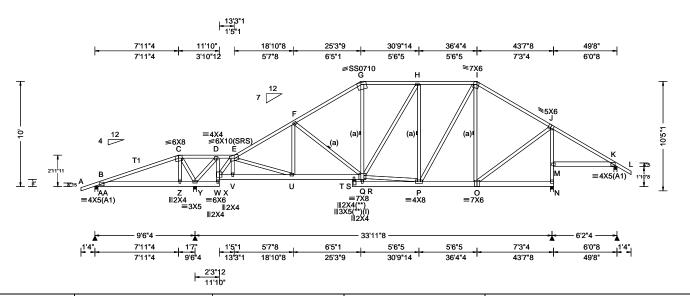
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SEQN: 75407 / MONO Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T40 / FROM: Qty: 1 DrwNo: 061.22.1523.12747 Truntz Truss Label: A06 KD / YK 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.059 Q 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.121 Q 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.012 M
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.025 M
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 4.2 psi	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.520
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.141
Spacing: 24.0 "	C&C Dist a: 4.97 ft	Rep Fac: Yes	Max Web CSI: 0.525
-	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, 18SS	VIEW Ver: 21.02.01.1216.15

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

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

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

Purlins

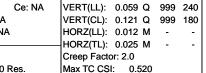
In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

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

Wind loading based on both gable and hip roof types.

Additional Notes

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	▲ Maximum Reactions (lbs)						
		G	ravity		No	n-Grav	ity
,	Loc	R+	/ R-	/ Rh	/Rw	/U	/ RL
١	AA	315	/-86	/-	/100	/90	/300
	Υ	2186	/-	/-	/1367	/-	/-
	N	1616	/-	/-	/896	/-	/-
	K	338	/-	/-	/272	/52	/-
	Win	d read	tions bas	sed on MV	VFRS		
	AA	Brg W	/id = 3.5	Min Re	q = 1.5	(Truss)
	Υ	Brg W	/id = 3.5	Min Re	q = 1.5	(Truss)
	N	Brg W	/id = 3.5	Min Re	q = 1.5	(Truss)
	K	Brg W	/id = 3.5	Min Re	q = 1.5	(Truss)
	Bea	rings A	λΑ, Υ, Ν,	& K are a	rigid s	urface.	-
	Mer	nbers	not listed	have force	es less	than 3	75#
	Max	cimum	Top Ch	ord Force	es Per	Ply (lbs	5)
	Cho	ords T	ens.Con	np. Ch	ords	Tens.	Ćomp.
				•			•

B-C	867 - 134	G - H	171 - 1173
C-D	1113 - 136	H - I	139 - 1048
E - F F - G	171 - 1747 141 - 1461	I-J	140 - 1006

Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.Comp.		Chords Tens.Comp. Chords Tens.		Tens. C	Comp.	
B-Z	129	- 804	U-S	1445	-21		
Z - Y	132	- 797	S - Q	1413	- 31		
W - V	1075	- 94	P - O	772	0		
V - U	1067	- 94					

Maximum Web Forces Per Ply (lbs)						
Webs	Tens.Comp.	Webs	Tens.	Comp.		
C-Y	288 - 832	H - P	21	- 528		
Y - D	310 - 1736	P-I	559	0		
D - W	1203 - 92	I-O	1	- 446		

O - J

J - M

M - N

128 - 1507

- 40

0

411

384

1022

W - E

E - U

G - Q



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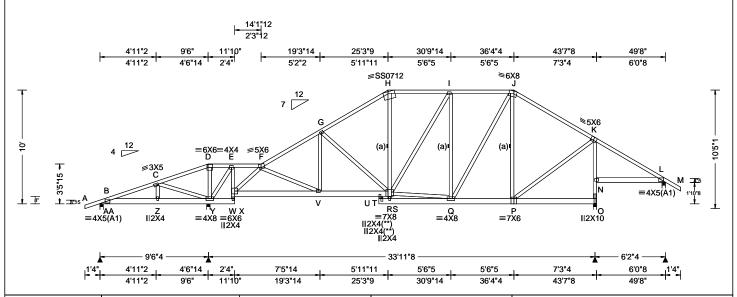
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963

93 - 1477

75 - 1556 SEQN: 75408 / MONO Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T1 / FROM: Qty: 1 DrwNo: 061.22.1523.13686 Truntz Truss Label: A07 KD / YK 03/02/2022



Loading Criteria (psf) Wind (riteria	Snow Criteria (Po	g,Pf in PSF)	Defl/CSI Criteria		
TCLL: 20.00 Wind S	td: ASCE 7-16	Pg: NA Ct: NA	CAT: NA	PP Deflection in loc I	_/defl L/#	
1.022.	130 mph	Pf: NA	Ce: NA	VERT(LL): 0.058 R	999 240	
DCLL. 0.00 1.11	ure: Closed	Lu: NA Cs: NA		VERT(CL): 0.120 R	999 180	
	ategory: II	Snow Duration: NA	4	HORZ(LL): 0.010 N		
Dec 1 d: 40 00	Kzt: NA			HORZ(TL): 0.023 N		
NCDCII. 40 00	leight: 15.00 ft 4.2 psf	Building Code:		Creep Factor: 2.0		
0.46.	5.0 psf	FBC 7th Ed. 2020	Res.	Max TC CSI: 0.524		
1	S Parallel Dist: h/2 to h	TPI Std: 2014		Max BC CSI: 0.124		
Spacing: 24.0 " C&C D	ist a: 4.97 ft	Rep Fac: Yes		Max Web CSI: 0.590		
Loc. fro	m endwall: not in 6.50 ft	FT/RT:20(0)/10(0)				
	GCpi: 0.18	Plate Type(s):				1
Wind I	uration: 1.60	WAVE, 18SS		VIEW Ver: 21.02.01.1	216.15	

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

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

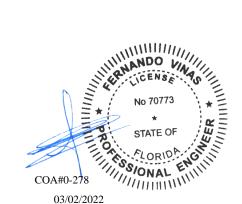
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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▲ M	▲ Maximum Reactions (lbs)						
	G	ravity		No	n-Grav	vity −	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
AA	321	/-69	/-	/105	/64	/298	
Υ	2164	/-	/-	/1371	/433	/-	
0	1599	/-	/-	/883	/274	/-	
L	338	/-	/-	/271	/99	/-	
Win	nd reac	tions ba	sed on M	IWFRS			
AA	Brg W	/id = 3.5	Min R	eq = 1.5	(Truss	s)	
Υ	Brg W	/id = 3.5	Min R	eq = 1.5	(Truss	s)	
0	Brg W	/id = 3.5	Min R	Req = 1.5	(Trus	s)	
L	Brg W	/id = 3.5	Min R	Req = 1.5	(Trus	s)	
Bea	Bearings AA, Y, O, & L are a rigid surface.						

Maximum Top Chord Forces Per Ply (lbs)						
Chords	Tens.Comp.	Chords	Tens. Comp.			
B-C	627 - 247	G-H	603 - 1425			
C - D	972 - 282	H-I	571 - 1148			
ь г	000 000	1 1	E70 1007			

Members not listed have forces less than 375#

Maximum Bot Chord Forces Per Ply (lbs)									
F-G	576 - 1693	J - K	475	- 990					
D - E	909 - 239	I - J	570	- 1027					

Chords	Tens.Comp.		Chords	Tens.	Comp.
B-Z		- 579	V-T	1403	- 367
Z - Y	200	- 569	T-R	1373	- 365
W - V	1243	- 4 <u>22</u>	Q - P	759	- 160

Maximum Web Forces Per Ply (lbs)						
Webs	Tens.Comp.	Webs	Tens. Comp.			
C-Y	293 - 635	I-Q	283 - 513			
D - Y	209 - 448	Q-J	546 - 226			
Y - E	556 - 1568	J - P	196 - 436			
E-W	1186 - 349	P - K	945 - 201			
W - F	584 - 1700	K - N	469 - 1460			
H - R	379 - 109	N - O	452 - 1539			
R-Q	1001 - 256					

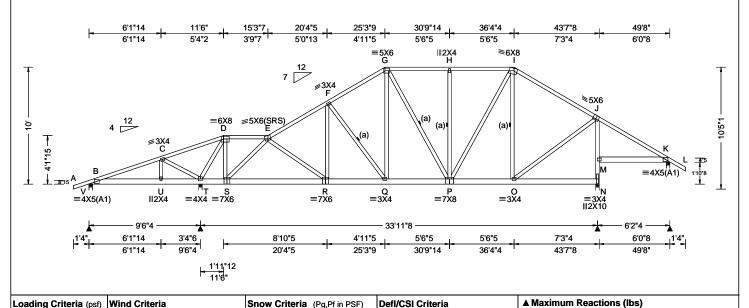
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SEQN: 75409 / MONO Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T12 / FROM: DrwNo: 061.22.1523.14247 Qty: 1 Truntz Truss Label: A08 KD / YK 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.053 Q 999 240
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.109 Q 999 180
10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.011 D
Doc I d: 10 00	EXP: C Kzt: NA		HORZ(TL): 0.024 D
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 4.2 psi	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.557
	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.129
	C&C Dist a: 4.97 ft	Rep Fac: Yes	Max Web CSI: 0.819
. •	Loc. from endwall: not in 6.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on

Wind

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

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

Snow Criteria (Pg,Pf in PSF)		DefI/CSI Criteria					
Pg: NA Ct: N	A CAT: NA	PP Deflection in loc L/defl L/#					
Pf: NA	Ce: NA	VERT(LL): 0.053 Q 999 240					
Lu: NA Cs: N	Α	VERT(CL): 0.109 Q 999 180					
Snow Duration: I	NΑ	HORZ(LL): 0.011 D					
		HORZ(TL): 0.024 D					
Building Code:		Creep Factor: 2.0					
FBC 7th Ed. 202	0 Res.	Max TC CSI: 0.557					
TPI Std: 2014		Max BC CSI: 0.129					
Rep Fac: Yes		Max Web CSI: 0.819					
FT/RT:20(0)/10(0)						
Plate Type(s):							
		VIEW Vor. 24 02 04 4246 45					

40	Loc	R+	/ R-	/ Rh	/Rw	/ U	/R	
80	٧	299	/-28	/-	/140	/43	/29	
-	Т	2137	/-	/-	/1336	/451	/-	
-	N	1615	/-	/-	/880	/272	/-	
	K	338	/-	/-	/272	/99	/-	
	Wind reactions based on MWFRS							
	V Brg Wid = 3.5 Min Req = 1.5 (Truss))	
	Т	Brg W	/id = 3.5	Min Re	q = 1.5	(Truss)	
	N	Brg W	/id = 3.5	Min Re	q = 1.5	(Truss)	
	K	Brg W	/id = 3.5	Min Re	q = 1.5	(Truss)	
	Bearings V, T, N, & K are a rigid surface.							
	Members not listed have forces less than 375#							
	Maximum Top Chord Forces Per Ply (lbs)							

Gravity

Chords	Tens.Comp.	Tens.Comp. Chords		
B-C	559 - 242	G-H	577 - 1052	
C - D	960 - 317	H-I	577 - 1052	
E-F	568 - 1580	I - J	479 - 1007	
F-G	598 - 1342			

Non-Gravity

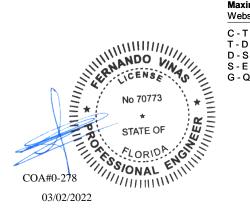
/RL /298

Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.Comp.		Chords	Tens. Comp			
B - U	254	- 509	R-Q	1297	- 329		
U - T	251	- 513	Q - P	1089	- 251		
S - R	1207	- 373	P-0	769	- 165		

Maximum Web Forces Per Ply (lbs)							
Webs	Tens.Comp.	Webs	Tens.	Comp.			
C - T	290 - 594	P-I	568	- 236			
T - D	614 - 1888	1-0	198	- 436			
D-S	1172 - 318	O - J	955	- 208			
S-E	578 - 1541	J - M	474	- 1477			

M - N

402 -77



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

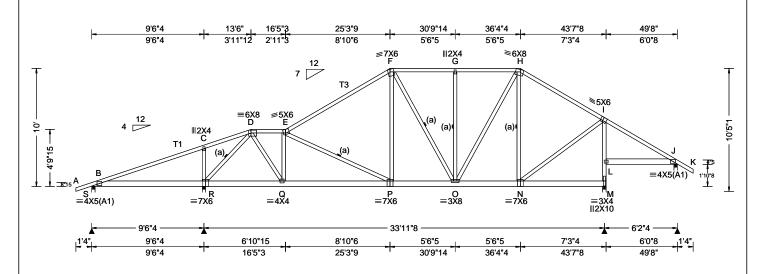
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



457 - 1556 SEQN: 75410 / MONO Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T32 / FROM: DrwNo: 061.22.1523.14294 Qty: 1 Truntz Truss Label: A09 KD / YK 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.050 P 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.104 P 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.013 D
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.027 D
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.600
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.183
Spacing: 24.0 "	C&C Dist a: 4.97 ft	Rep Fac: Yes	Max Web CSI: 0.548
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15

Lumber

Top chord: 2x4 SP #2; T1,T3 2x4 SP M-31; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

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

	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria				
	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#				
	Pf: NA Ce: NA	VERT(LL): 0.050 P 999 240				
	Lu: NA Cs: NA	VERT(CL): 0.104 P 999 180				
	Snow Duration: NA	HORZ(LL): 0.013 D				
		HORZ(TL): 0.027 D				
	Building Code:	Creep Factor: 2.0				
	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.600				
	TPI Std: 2014	Max BC CSI: 0.183				
	Rep Fac: Yes	Max Web CSI: 0.548				
t	FT/RT:20(0)/10(0)					
	Plate Type(s):					
		VIEW Vor: 24 02 04 4246 45				

180	S	336	/-	/-			/167	/44	/29
-	R	2075	/-	/-			/1319	/441	/-
-	М	1618	/-	/-	į		/884	/273	/-
	J	339	/-	/-	į		/273	/99	/-
	Wir	nd read	tions	base	d on	MW	FRS		
	S	Brg V	/id =	3.5	Min	Req	= 1.5	(Trus	s)
	R	Brg V	/id =	3.5	Min	Req	= 1.7	7 (Trus	s)
	М	Brg V	/id =	3.5	Min	Req	= 1.5	5 (Trus	s)
	J	Brg V	/id =	3.5	Min	Req	= 1.5	(Trus	s)
	Bea	arings S	3, R,	M, &	J are	a rig	gid su	rface.	
	Members not listed have forces less than 375#								
	Maximum Top Chord Forces Per Ply (lbs)								

▲ Maximum Reactions (lbs) Gravity

/Rh

Loc R+

ly (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 629 - 250 F-G 581 - 1052 C - D 597 - 146 G-H 581 - 1052 D-E - 1012 503 - 1304

Non-Gravity

484

- 1479

- 1558

/RL /297

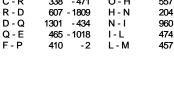
/Rw / U

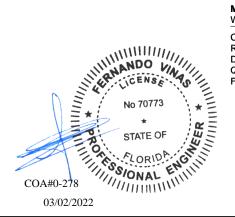
E-F 570 - 1445 Maximum Bot Chord Forces Per Ply (lbs) Tens. Comp. Chords Tens.Comp. Chords

H - I

B - R 238 P - 0 1127 R - Q 639 - 174 O - N 774 - 173 Q-P 1369 - 391

Maximum Web Forces Per Ply (lbs) Tens. Comp. Webs Tens.Comp. Webs C-R - 240 338 O - H 557 204 - 435 607 - 1809 H - N -217 960





WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

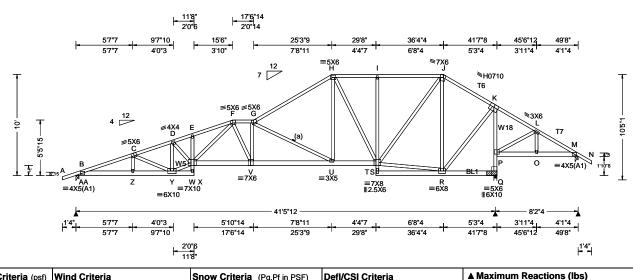
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SEQN: 77324 MONO Ply: 2 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T43 FROM: Qty: 1 DrwNo: 061.22.1531.26817 Truntz Page 1 of 2 Truss Label: A10 KD / FV 03/02/2022

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.251 G 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.505 G 981 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.068 R
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.137 R
NCBCLL: 0.00	Mean Height: 0.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.632
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.412
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.755
-	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 21.02.01.1216.15
Lumber		Wind	

or	

Top chord: 2x4 SP #2; T6,T7 2x4 SP M-31; Bot chord: 2x6 SP 2400f-2.0E;

Webs: 2x4 SP #3; W5 2x4 SP #2; W18 2x4 SP M-31;

(a) Continuous lateral restraint equally spaced on member.

Nailnote

Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @ 5.50" o.c. Bot Chord: 1 Row @12.00" o.c. :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.=1.2	25)
TC: From	61 plf at	-1.33 to	61 plf at	17.57
TC: From	63 plf at	17.57 to	63 plf at	36.35
TC: From	563 plf at	36.35 to	563 plf at	47.67
TC: From	63 plf at	47.67 to	63 plf at	51.00
BC: From	4 plf at	-1.33 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	49.67
BC: From	5 plf at	49.67 to	5 plf at	51.00
BC: 2083 lb	Conc. Load	at 34.65		
BC: 1559 lb	Conc. Load	at 47.54		

Plating Notes

All plates are 2X4 except as noted.

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

Bearing Block(s)

Brg blocks:0.128"x3", min. nails brg x-loc #blocks length/blk #nails/blk wall plate 2 41.333' 1 12" 4 Rigid Surfe Rigid Surface Brg block to be same size and species as chord. Refer to drawing CNNAILSP1014 for more information.

2565 Wind reactions based on MWFRS

a

Loc R+

2235 /-

8832

Gravity

/-

AA Brg Wid = 3.5 Min Req = 1.5 (Truss)

/Rh

Non-Gravity

/428

/632 /-

/1878 /-

/RL

/Rw /U

Brg Wid = 3.5Min Req = М Brg Wid = 3.5Min Req = 1.5 (Truss)

/-

Bearings AA, Q, & M are a rigid surface. Members not listed have forces less than 375# **Maximum Top Chord Forces Per Ply (lbs)**

Chords Chords Tens.Comp. Tens. Comp.

B - C C - D D - E E - F F - G	533 - 2956 499 - 2797 663 - 3752 670 - 3772 512 - 3015	H - I I - J J - K K - L L - M	251 319 487	- 1619 - 1616 - 1739 - 166 - 1484
G-H	331 - 1959	L - IVI	3/8	- 1484

Maximum Bot Chord Forces Per Ply (lbs)

Choras	rens.c	omp.	Choras	rens. (Jomp.
B - Z 7 - Y	2786 2786		U-S P-O	1642 1251	- 265 - 313
W - V	2841	- 491	O - M	1237	- 310
V - U	3043	-519			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
Y - D	248 - 1314	S-R	1105 - 165
Y - W	2968 - 524	S - J	765 - 151
D - W	1257 - 219	R - J	249 - 712
W - F	1021 - 194	R - K	1981 - 295
F-V	440 - 55	K - P	780 - 3773
V - G	99 - 401	P - Q	952 - 4502
G - U	288 - 1588	P-L	371 - 1490
H - U	773 - 95	0 - L	407 - 69



03/02/2022

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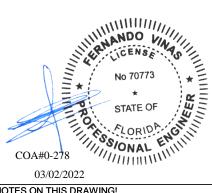


SEQN: 77324 MONO Ply: 2 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T43 FROM: DrwNo: 061.22.1531.26817 Qty: 1 Truntz Page 2 of 2 Truss Label: A10 KD / FV 03/02/2022

Additional Notes

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

WIND LOAD CASE MODIFIED!



03/02/2022

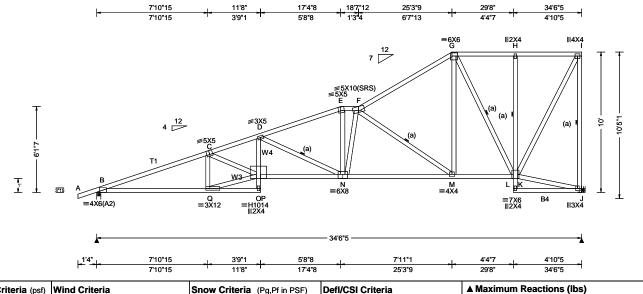
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SEQN: 77078 SPEC Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T30 FROM: Qty: 1 DrwNo: 061.22.1530.40323 Truntz Truss Label: A11 KD / FV 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.244 O 999 240	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.493 O 837 180	E
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.085 J	J
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.171 J	۷
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	E
Soffit: 2.00	BCDL: 2.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.580	IJ
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.425	E
Spacing: 24.0 "	C&C Dist a: 3.45 ft	Rep Fac: Yes	Max Web CSI: 0.731	ľ
' "	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		"
	GCpi: 0.18	Plate Type(s):] -
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 21.02.01.1216.15	E

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31; Bot chord: 2x4 SP M-31; B4 2x4 SP #2; Webs: 2x4 SP #3; W3 2x4 SP #2; W4 2x4 SP M-31;

(a) Continuous lateral restraint equally spaced on

Wind

Wind loads based on MWFRS with additional C&C

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

▲	Maximum	Reactions
	_	

Gravity				No	Non-Gravity		
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL	
В	1500	/-	/-	/968	/51	/253	
J	1416	/-	/-	/854	/-	/-	
Win	d reac	tions bas	sed on	MWFRS			
В	Brg W	/id = 3.5	Min	Req = 1.5	(Truss	s)	
J	Brg W	/id = -	Min	Req = -	•		
Bea	ring B	is a rigid	l surfa	ce.			
Men	nbers	not listed	have	forces less	s than 3	375#	
Max	imum	Top Ch	ord F	orces Per	Ply (lb:	s)	
Cho	rds T	ens.Con	np.	Chords	Tens.	Comp.	
B - 0		748 - 34	458	F-G	185	- 1406	
- D	5	1028 - 4	142	G-Ĥ	79	- 686	
D - E	=	558 - 27	717	H-I	79	- 684	

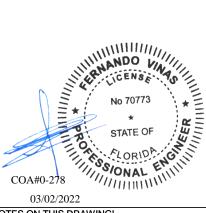
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp. Chords		Tens. Comp.	
B-Q	3215 - 1028	N - M	2527	- 666
O - N	3913 - 1223	M - K	1127	- 212

Maximum Web Forces Per Ply (lbs)

575 - 2547

Webs	Tens.Comp.	Webs	Tens. Comp.	
C-Q	377 -880	F - M	571 - 1731	
C - O	753 - 212	G - M	1115 - 258	
Q - O	3239 - 1034	G-K	282 - 940	
O - D	879 - 239	K-I	1419 - 163	
D - N	586 - 1543	l - J	129 - 1367	
E-N	652 - 63			



03/02/2022

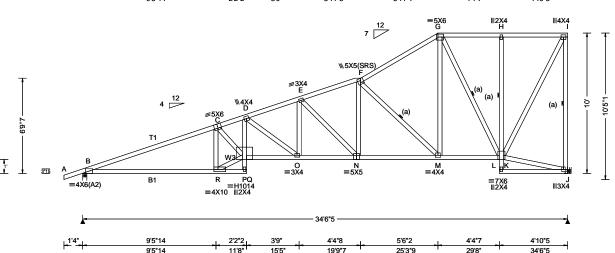
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SEQN: 77085 MONO Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T28 FROM: DrwNo: 061.22.1530.38687 Qty: 1 Truntz Truss Label: A12 KD / FV 03/02/2022 9'5"14 11'8" 15'5' 19'4"8 25'3"9 29'8' 34'6"5 9'5"14 2'2"2 3'9 3'11"8 5'11"1 4'10"5



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.242 P 999 240	Loc R+ /R- /Rh /
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.492 P 838 180	B 1499 /- /- /9
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.092 J	J 1415 /- /- /8
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.188 J	Wind reactions based on MWF
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	B Brg Wid = 3.5 Min Req =
Soffit: 2.00	BCDL: 4.2 psi	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.799	J Brg Wid = - Min Req =
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.879	Bearing B is a rigid surface.
Spacing: 24.0 "	C&C Dist a: 3.45 ft	Rep Fac: Yes	Max Web CSI: 0.801	Members not listed have forces
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		Maximum Top Chord Forces Chords Tens.Comp. Chord
	GCpi: 0.18	Plate Type(s):		Chords Tens.Comp. Chord
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 21.02.01.1216.15	B-C 645 - 3363 F-G

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31; Bot chord: 2x4 SP #2; B1 2x4 SP M-31; Webs: 2x4 SP #3; W3 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on

Wind loads based on MWFRS with additional C&C

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

J#		G	ravily
240	Loc	R+	/ R-
180		1499	/-
-	J	1415	/-
_	Win	d reac	tions b

Non-Gravity /Rh /Rw /U /RL /967 /48 /253 /861 based on MWFRS

Brg Wid = 3.5Min Reg = 1.5 (Truss) Brg Wid = -Min Req = -

Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)

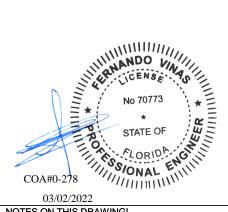
Chorus	rens.comp.	Chorus	i ens.	Comp.
B-C	645 - 3363	F-G	182	- 1369
C - D	961 - 4189	G-H	72	- 687
D-E	611 - 3080	H - I	72	- 685
F-F	400 - 2341			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. C	omp.
B - R P - O O - N	3114 - 933 3904 - 1128 2855 - 776	N - M M - K		- 521 - 198

Maximum Web Forces Per Ply (lbs)

webs	Tens.Comp.	Webs	Tens. Comp.	
C-R	609 - 1632	N-F	798 - 217	
C - P	1170 - 294	F-M	461 - 1475	
R-P	3547 - 1058	G - M	1126 - 262	
P - D	1163 - 389	G-K	267 - 916	
D - O	433 - 1281	K - I	1420 - 149	
O - E	692 - 175	I - J	115 - 1365	
F-N	369 - 958			



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

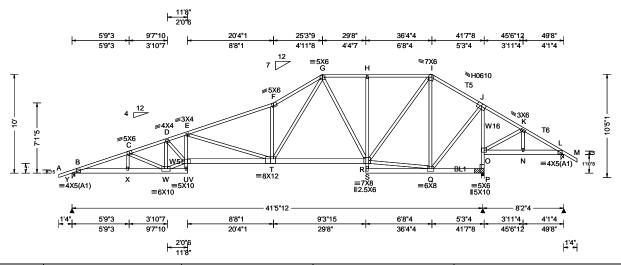
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 77108 MONO Ply: 2 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T46 FROM: Qty: 1 DrwNo: 061.22.1530.35520 Truntz Truss Label: A13 KD / FV 03/02/2022

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.241 U 999 240
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.484 U 999 180
	Risk Category: II EXP: C Kzt: NA	Snow Duration: NA	HORZ(LL): 0.064 Q
Dec I d: 40 00	Mean Height: 15.00 ft		HORZ(TL): 0.129 Q
NCBCLL: 0.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.900
	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.399
Spacing: 24.0 "	C&C Dist a: 4.97 ft	Rep Fac: No	Max Web CSI: 0.996
	Loc. from endwall: not in 13.00 ft		
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 21.02.01.1216.15
Lumbor		Posting Plack(s)	

2220 /414 /-8674 /-/-/1524 /-2603 /-/559 /-Wind reactions based on MWFRS Brg Wid = 3.5 Min Req = 1.5 (Truss) Brg Wid = 3.5Min Req = Brg Wid = 3.5Min Req = 1.5 (Truss) Bearings Y, P, & L are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords

/Rh

▲ Maximum Reactions (lbs) Gravity

Loc R+

Top chord: 2x4 SP #2; T5,T6 2x4 SP M-31; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W5,W16 2x4 SP #2;

Nailnote

Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @ 5.50" o.c. Bot Chord: 1 Row @12.00" o.c. :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.=1.2	25)
TC: From	61 plf at	-1.33 to	61 plf at	20.34
TC: From	63 plf at	20.34 to	63 plf at	25.30
TC: From	61 plf at	25.30 to	61 plf at	36.35
TC: From	563 plf at	36.35 to	563 plf at	47.67
TC: From	63 plf at	47.67 to	63 plf at	51.00
BC: From	4 plf at	-1.33 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	49.67
BC: From	5 plf at	49.67 to	5 plf at	51.00
BC: 1995 lb	Conc. Load	at 34.65		
BC: 1555 lb	Conc. Load	at 47 54		

All plates are 2X4 except as noted.

Wind loads and reactions based on MWFRS

Wind loading based on both gable and hip roof types.

Bearing Block(s)

Brg blocks:0.128"x3", min. nails brg x-loc #blocks length/blk #nails/blk wall plate 2 41.333' 1 12" 4 Rigid Surfa Rigid Surface Brg block to be same size and species as chord Refer to drawing CNNAILSP1014 for more information.

Additional Notes

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

WIND LOAD CASE MODIFIED!

0110100	rono.comp.	0110140	rono. Comp.
B-C	515 - 2936	G-H	236 - 1604
C - D	479 - 2767	H-I	235 - 1601
D - E	628 - 3629	I - J	269 - 1727
E-F	411 - 2505	J - K	435 - 205
F-G	457 - 2776	K-L	317 - 1523

Non-Gravity

/RL

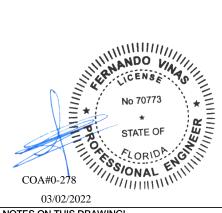
/Rw /U

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.	
B - X X - W J - T	2767 - 480 2767 - 482 3466 - 604	T - R O - N N - L	1615 - 255 1285 - 263 1271 - 260	-

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
W - D	209 - 1151	R-I	758 - 153
W - U	2861 - 485	Q - I	220 - 706
D - U	1198 - 220	Q - J	1911 - 256
U - E	491 - 45	J - O	634 - 3684
E-T	243 - 1189	0 - P	774 - 4413
T-F	189 - 820	O - K	307 - 1492
T - G	1457 - 241	N - K	405 - 69
P ()	1111 1/2		



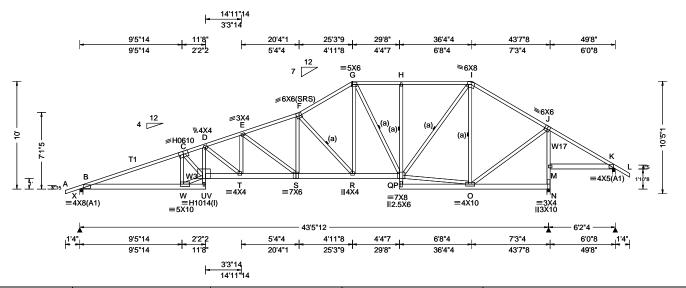
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 77091 MONO Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T51 FROM: Qty: 2 DrwNo: 061.22.1530.19547 Truntz Truss Label: A14 KD / FV 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Γ
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.335 T 999 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.665 T 782 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.090 O	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.179 O	
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.834	
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.376	
Spacing: 24.0 "	C&C Dist a: 4.97 ft	Rep Fac: Yes	Max Web CSI: 0.989	
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 21.02.01.1216.15]

▲ Maximum Reactions (lbs)						
	G	ravity		No	n-Grav	/ity
Loc	R+	/ R-	/ Rh	/ Rw	/U	/ RL
х	1877	/-	/-	/1215	/159	/295
N	2220	/-	/-	/1165	/102	/-
κ	291	/-	/-	/237	/70	/-
Win	d reac	tions ba	sed on M	WFRS		
Х	Brg W	/id = 3.5	Min Re	eq = 1.6	(Truss	s)
N	Brg W	/id = 3.5	Min Re	eq = 1.8	(Truss	s)
K	Brg W	/id = 3.5	Min Re	eq = 1.5	(Truss	s)
Bea	Bearings X, N, & K are a rigid surface.					
Members not listed have forces less than 375#						
Maximum Top Chord Forces Per Ply (lbs)						
Cho	rds T	ens.Con	np. C	hords	Tens.	Comp.

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31; Bot chord: 2x6 SP 2400f-2.0E;

Webs: 2x4 SP #3; W3 2x4 SP M-31; W17 2x4 SP #2;

(a) Continuous lateral restraint equally spaced on

Plating Notes

All plates are 2X4 except as noted.

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

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

Wind loading based on both gable and hip roof types.

Additional Notes

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



Maximum Top Chord Forces Per Ply (lbs)						
Chords	Tens.Comp.	Chords	Tens. Cor	np.		
B-C	1550 - 4637	F-G	1049 - 2	658		
C - D	2044 - 5746	G-H	891 - 1	989		
D-E	1696 - 4721	H-I	890 - 1	987		
E-F	1361 - 3677	I - J	595 - 1	405		

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp	
B - W	4326 - 1556	S-R	3396 - 117	-
U - T	5380 - 1925	R - P	2229 - 69	U
T-S	4412 - 1582			

Maximum Web Forces Per Ply (lbs)

/vebs	rens.comp.	webs	rens. (∍omp.	
C - W	844 - 1999	G-R	1461	- 492	
C - U	1590 - 560	G-P	139	- 504	
N - U	4757 - 1706	P-0	1080	- 279	
J - D	1153 - 426	P-I	1449	- 560	
D - T	438 - 1218	O-I	381	- 932	
Г-Е	807 - 209	O - J	1504	- 410	
≣ - S	500 - 1244	J - M	665	- 2074	
S - F	876 - 258	M - N	644	- 2164	
= - R	747 - 1787				

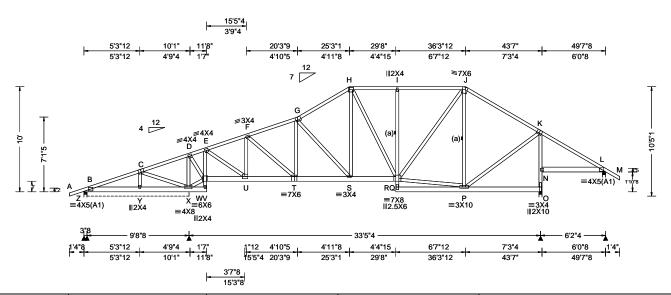
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 77094 MONO Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T5 FROM: Qty: 1 DrwNo: 061.22.1530.16950 Truntz Truss Label: A15 KD / FV 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.056 S 999 240
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.112 S 999 180
	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.016 N
Dec 1 d · 40 00	EXP: C Kzt: NA		HORZ(TL): 0.033 N
NCDCLL, 40.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
0 - 40:4-	BCDL: 4.2 psi	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.501
l	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.083
Spacing: 24.0 "	C&C Dist a: 4.96 ft	Rep Fac: Yes	Max Web CSI: 0.681
' '	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on

Plating Notes

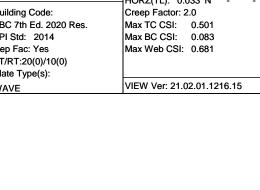
All plates are 5X6 except as noted.

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

Wind loading based on both gable and hip roof types.

Additional Notes

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



▲ Maximum Reactions (Ibs), or *=PLF						
	G	ravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
z	244	/-	/-	/117	/53	/294
Z*	222	/-	/-	/147	/22	/-
0	1581	/-	/-	/870	/41	/-
L	337	/-	/-	/271	/52	/-
Wi	nd read	ctions b	ased on N	MWFRS		
z	Brg V	Vid = 3	.5 Min F	Req = 1.5	(Trus	s)
Z	Brg V	Vid = 1	16 Min F	Req = -	•	-
0	Brg V	Vid = 3	.5 Min F	Req = 1.5	(Trus	s)
L	Brg V	Vid = 3	.5 Min F	Req = 1.5	(Trus	s)
Bearings Z, Z, O, & L are a rigid surface.						
Members not listed have forces less than 375#						
Maximum Top Chord Forces Per Ply (lbs)						
Ch	ords 1	Tens.Co	omp. (Chords	Tens.	Comp.

	928 - 405 394 - 1027	H-I I-J		- 1164 - 1162
F-G	605 - 1466 636 - 1399	J-K	477	- 988

Maximum Bot Chord Forces Per Ply (lbs)					
Chords	Tens.Com	o. Chords	Tens.	Comp.	
U - T	962 - 35 1362 - 43		1141	- 331	

Maximum web Forces Per Ply (IDS)				
Webs	Tens.Comp.	Webs	Tens. Comp.	
C-X	274 - 567	H-S	382 - 109	
X - D	517 - 1231	Q-P	731 - 176	
X - V	362 - 957	Q-J	680 - 309	
D - V	981 - 361	P-J	261 - 535	
V - E	543 - 1375	P - K	940 - 238	
E - U	1436 - 536	K - N	474 - 1442	
U - F	366 - 770	N - O	450 - 1522	
F.T	527 - 182			



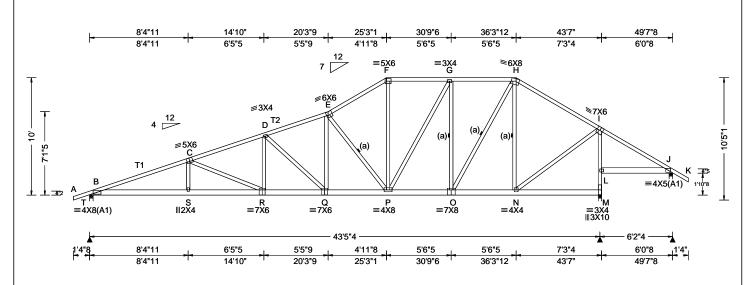
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SEQN: 75415 / MONO Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T4 / FROM: DrwNo: 061.22.1523.13592 Qty: 1 Truntz Truss Label: A16 KD / YK 03/02/2022



Landing Critoria (c. c)	Wind Criteria	Cream Critoria (D. Di la DOE)	Defl/CCI Criteria
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.217 R 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.440 R 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.041 N
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.082 N
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.548
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.356
Spacing: 24.0 "	C&C Dist a: 4.96 ft	Rep Fac: Yes	Max Web CSI: 0.931
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15
Lumber			

J	316	/-	/-	/254	/61	/-
Wi	nd rea	ctions	based or	n MWFRS		
Т	Brg \	Nid =	3.5 Mii	n Req = 1.5	5 (Trus	s)
М	Brg \	Nid =	3.5 Mii	n Req = 1.7	7 (Trus	s)
J	Brg \	Nid =	3.5 Mii	n Req = 1.5	5 (Trus	s)
Bea	arings	T, M,	& J are a	rigid surfa	ce.	
Me	mbers	not li	sted have	forces les	s than 3	375#
Ma	ximur	n Top	Chord F	orces Per	Ply (lb	s)
Ch	ords	Tens.	Comp.	Chords	Tens.	Ćomp.
В-	С	1586	- 4589	F-G	901	- 1915

Non-Gravity

/RL

/294

/-

/Rw /U

/1220 /160

/1131 /97

▲ Maximum Reactions (lbs) Gravity

/Rh

/-

Loc R+

М

1851

2112 /-

C-D 1380 - 3745 G-H 793 - 1606 1195 - 3042 608 - 1368 D-E H - I F-F 976 - 2280

Bracing

(a) Continuous lateral restraint equally spaced on member

Top chord: 2x4 SP #2; T1,T2 2x4 SP M-31; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3;

Purlins

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

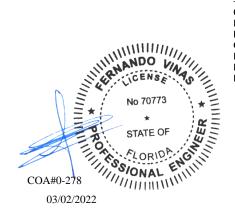
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. C	Comp.	
B-S	4292 - 1602	Q-P	2804	- 1022	
S - R	4285 - 1604	P-0	1631	- 536	
R-Q	3467 - 1298	O - N	1083	- 303	

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C-R	332 - 872	G-0	461 - 846
R - D	500 - 82	O - H	1074 - 470
D - Q	372 - 882	H - N	316 - 711
Q-E	713 - 206	N - I	1408 - 400
E - P	656 - 1489	I-L	660 - 1970
F-P	783 - 294	L - M	637 - 2054
P-C	505 - 106		

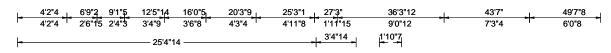
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

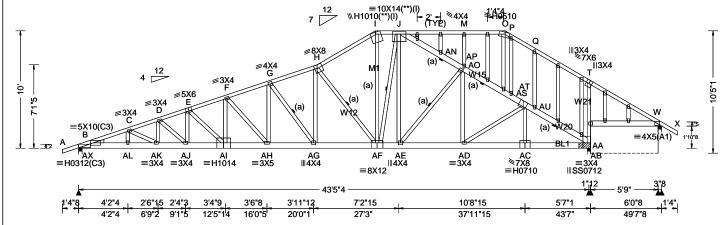
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SEQN: 75416 / GABL Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T15 / FROM: DrwNo: 061.22.1523.14122 Qty: 1 Truntz Page 1 of 2 Truss Label: A17 KD / YK 03/02/2022





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.420 AH 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 1.015 AH 510 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.103 AB
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.250 AB
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 4.2 psi	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.888
	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.856
Spacing: 24.0 "	C&C Dist a: 4.96 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.941
'	Loc. from endwall: not in 17.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	HS, WAVE, 18SS	VIEW Ver: 21.02.01.1216.15

Lumber

Top chord: 2x4 SP M-31; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W12,W21 2x4 SP M-31; W15, W20 2x6 SP 2400f-2.0É; M1 2x4 SP #2; Lt Wedge: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

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

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

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 10.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

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

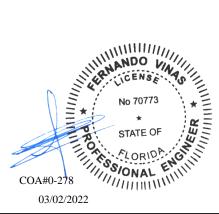
Wind

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

Wind loading based on both gable and hip roof types.

Bearing Block(s)

Brg blocks:0.128"x3", min. nails brg x-loc #blocks length/blk #nails/blk wall plate 2 43.292' 1 12" 6 Rigid Surface Brg block to be same size and species as chord. Refer to drawing CNNAILSP1014 for more information.



▲ M	▲ Maximum Reactions (lbs), or *=PLF							
	G	ravity		Non-Gravity				
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL		
AX	4198	/-	/-	/2010	/737	/591		
AΒ	4895	/-	/-	/1861	/946	/-		
AA*	109	/-	/-	/83	/25	/-		
W	409	/-	/-	/366	/165	/-		
AA		/-110						
Win	Wind reactions based on MWFRS							
ΑX	Brg W	/id = 3.5	Min	Req = 3.5	(Truss	s)		
AΒ	Brg V	/id = 3.5	Min	Req = -	-			
AA	Brg V	/id = 69.6	0 Min	Req = -				
	_ ~				-			

W Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings AX, AB, AA, & W are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)

rens.Comp.	Choras	rens. (Jomp.
2681-10992	I - J	1046	- 5087
2644-11014	J - L	564	- 258
2470-10510	L - M	559	- 261
2219 - 9784	M - O	555	- 264
1924 - 8861	O - P	589	- 293
1587 - 7792	P - Q	555	- 278
1084 - 6108	Q - T	458	- 264
	2681- 10992 2644- 11014 2470- 10510 2219 - 9784 1924 - 8861 1587 - 7792	2681-10992 I - J 2644-11014 J - L 2470-10510 L - M 2219 - 9784 M - O 1924 - 8861 O - P 1587 - 7792 P - Q	2681-10992 I - J 1046 2644-11014 J - L 564 2470-10510 L - M 559 2219 - 9784 M - O 555 1924 - 8861 O - P 589 1587 - 7792 P - Q 555

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Co	mp.
B -AL	10361 - 2809	AG-AF	7233 -	1263
AL-AK	10387 - 2817	AF-AE	4910	- 388
AK-AJ	10380 - 2680	AE-AD	5971	- 219
AJ-AI	9879 - 2436	AD-AC	6287	- 283
Al-AH	9169 - 2111	AC-AB	6287	- 283
AH-AG	8266 - 1725			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
D-AJ	322 - 654	AF- J	930 - 616
AJ- E	487 - 197	J -AE	1305 0
E -AI	443 - 958	J -AO	580 - 6058
Al- F	736 - 289	AE-AO	0 - 1668
F-AH	578 - 1338	AO-AT	473 - 7163
AH- G	1078 - 405	AT-AB	509 - 7686
G -AG	765 - 1706	AB-AA	1088 - 744
AG- H	1418 - 591	AA- T	258 - 1085
H -AF	1261 - 3601		

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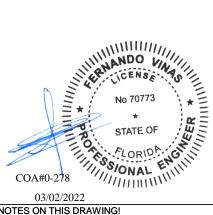


SEQN: 75416 / GABL Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T15 / FROM: DrwNo: 061.22.1523.14122 Qty: 1 Truntz Page 2 of 2 Truss Label: A17 KD / YK 03/02/2022

Additional Notes

See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements. WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

			es Per Ply		S
Gables	rens.c	omp.	Gables	rens. c	omp
I-AF	2064	- 305	AS- P	104	- 382
AN- L	0	- 413	AŬ- Q	221	- 526
\(\tau_\)	U	- +10	70- Q	221	- 320
AP- M	0	- 754			



03/02/2022

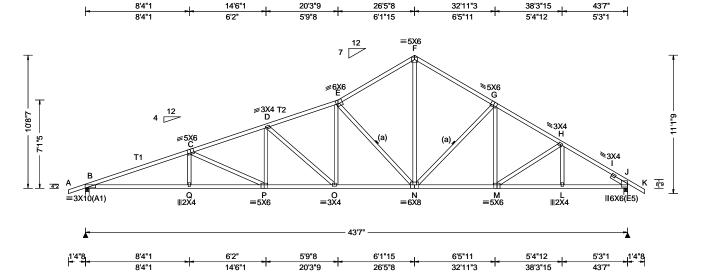
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A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

6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 75417 / MONO Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T20 / FROM: Qty: 2 DrwNo: 061.22.1523.13060 Truntz Truss Label: A18 KD / YK 03/02/2022



TCLL: 20.00 Wind Std: ASCE 7-16 Pg: NA
Wind Duration: 1.60 WAVE VIEW Ver: 21.02.01.1216.15

Lumbe	

Top chord: 2x4 SP #2; T1,T2 2x4 SP M-31; Bot chord: 2x4 SP M-31;

Webs: 2x4 SP #3;

Rt Slider: 2x4 SP #3; block length = 1.500'

(a) Continuous lateral restraint equally spaced on member

Loading

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

▲ Maximum Reactions (lbs)						
	Gravity		No	n-Gra	vity	
Loc R	- /R-	/ Rh	/ Rw	/ U	/ RL	
B 195	4 /-	/-	/1188	/86	/313	
J 201	4 /-	/-	/1089	/74	/-	
Wind re	actions b	ased on I	MWFRS			
B Brg	Wid = 3	.5 Min f	Req = 1.6	(Trus	s)	
J Brg	Wid = 3	.5 Min f	Req = 1.7	(Trus	s)	
Bearing	s B & J a	re a rigid	surface.			
Membe	rs not list	ed have fo	orces less	than:	375#	
Maximum Top Chord Forces Per Ply (lbs)						
Chords	Tens.Co	omp.	Chords	Tens.	Comp.	
ВС	1202	1700	F G	620	- 2379	
			_			
			-	571	- 3104	
	Loc R4 B 195 J 201 Wind re B Brg J Brg Bearing Membe Maximu	Cravity Loc R+	Gravity Loc R+ /R- /Rh B 1954 /- /- J 2014 /- /- Wind reactions based on N B Brg Wid = 3.5 Min I J Brg Wid = 3.5 Min I Bearings B & J are a rigid Members not listed have for Maximum Top Chord For Chords Tens.Comp. B - C 1202 - 4788 C - D 1029 - 4043	Loc R+ /R- /Rh /Rw B 1954 /- /- /1188 J 2014 /- /- /1089 Wind reactions based on MWFRS B B Brg Wid = 3.5 Min Req = 1.6 J Brg Wid = 3.5 Min Req = 1.6 J Bearings B & J are a rigid surface. Members not listed have forces less Maximum Top Chord Forces Per Chords Tens.Comp. Chords B - C 1202 - 4788 F - G G - H	Gravity	

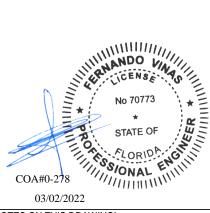
645 - 2371

Chords	Tens.Comp.	Chords	Tens. (Comp.
B-Q	4471 - 1179	N - M	2405	- 379
Q-P	4466 - 1181	M - L	2593	- 409
P - O	3754 - 907	L-J	2595	- 408
O - N	3091 - 656			

566 - 3150

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C-P	303 - 766	E-N	547 - 1671
P - D	475 - 78	F-N	1883 - 433
D - O	359 - 852	N - G	221 - 628
O - E	775 - 180		



03/02/2022

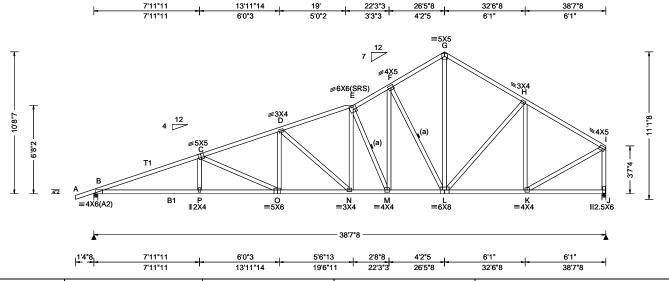
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SEQN: 75418 / MONO Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T39 / FROM: Qty: 1 DrwNo: 061.22.1523.13561 Truntz Truss Label: A19 KD / YK 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	4
TCLL: 20.00	Wind Std: ASCE 7-16		PP Deflection in loc L/defl L/#	١.
	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.226 O 999 240	L
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.461 O 999 180	Ιв
	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.060 J	J
Dec 1 4 · 40 00	EXP: C Kzt: NA		HORZ(TL): 0.122 J	٧
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	В
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.495	J
l	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.717	B
l	C&C Dist a: 3.86 ft	Rep Fac: Yes	Max Web CSI: 0.801	ľ
3	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		N
	GCpi: 0.18	Plate Type(s):] =
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15	В
			1	יכ

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31; Bot chord: 2x4 SP #2; B1 2x4 SP M-31; Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on

Wind

Wind loads based on MWFRS with additional C&C

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

▲ Maximum Reactions (lbs)

Gravity				No.	n-Grav	vity
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL
В	1671	/-	/-	/1060	/328	/277
J	1587	/-	/-	/852	/297	/-
Win	d reac	tions bas	sed on	MWFRS		
В	Brg W	/id = 3.5	Min	Req = 1.5		
J	Brg W	/id = 3.5	Min	Req = 1.9	(Truss	s)
Bea	rings E	3 & Jare	a rigio	d surface.		
Men	nbers	not listed	have	forces less	than 3	375#
Max	imum	Top Ch	ord F	orces Per	Ply (lb	s)
Cho	rds T	ens.Con	np.	Chords	Tens.	Comp.
В-(2	1014 - 39	954	F-G	493	- 1543
J C - I	Ď	850 - 32	231	G-H	461	- 1592
D - I	E	685 - 25	553	H-I	328	- 1490

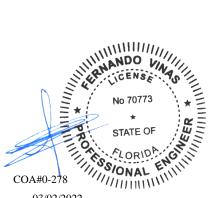
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. (Jomp.
B - P	3683 - 1090	N - M	2355	- 588
P - O	3678 - 1092	M - L	1864	- 429
O - N	2986 - 833	L-K	1234	- 240

Maximum Web Forces Per Ply (lbs)

633 - 2195

Webs	Tens.Comp.	Webs	Tens. Comp.
C-0	287 - 741	F-L	425 - 1263
O - D	467 - 67	G-L	1179 - 331
D - N	353 - 822	H - K	198 - 533
N - E	641 - 195	K - I	1374 - 264
E - M	399 - 1224	I - J	323 - 1537
M-F	1180 - 3/11		



03/02/2022

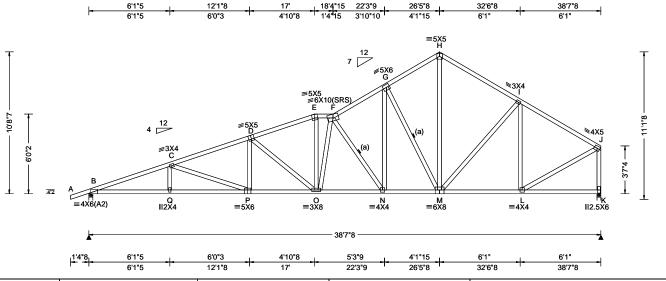
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SEQN: 75419 / SPEC Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T21 / FROM: Qty: 1 DrwNo: 061.22.1523.13404 Truntz Truss Label: A20 KD / YK 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.232 P 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.473 P 976 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.053 K
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.108 K
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.588
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.429
Spacing: 24.0 "	C&C Dist a: 3.86 ft	Rep Fac: Yes	Max Web CSI: 0.723
' "	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on

Wind

Wind loads based on MWFRS with additional C&C

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

▲ Maximum Reactions (lbs)

D - E

	A Maximum Reactions (ibs)						
	Gravity			Non-Gravity			
5	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
)	B 1	673	/-	/-	/1054	/336	/277
	K 1	588	/-	/-	/848	/306	/-
	Wind	reac	tions ba	ased on	MWFRS		
	ВЕ	3rg W	id = 3.	5 Mir	Req = 1.5	(Truss	s)
	KE	3rg W	id = 3.	5 Mir	n Req = 1.5	(Trus	s)
	Beari	ngs E	3 & K a	re a rigi	id surface.	•	•
	Meml	bers i	not liste	d have	forces less	than 3	375#
	Maximum Top Chord Forces Per Ply (lbs)						s)
	Chore	ds T	ens.Co	mp.	Chords	Tens.	Ćomp.
	B-C		1096 -4	1069	F-G	657	- 2248
	C - D		953 -		G-H	505	- 1547
	0 0		300		O 11	500	1041

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. (Jomp.
B-Q	3808 - 1171	O - N	2647	- 725
Q - P	3804 - 1175	N - M	1864	- 440
P - O	3202 - 948	M - L	1235	- 244

469 - 1593

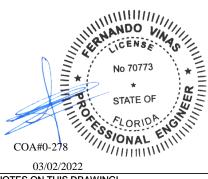
- 1491

Maximum Web Forces Per Plv (lbs)

798 - 2805

785 - 2628

Webs	Tens.Comp.	Webs	Tens. Comp.
C-P	248 - 620	G - M	440 - 1273
P-D	395 - 36	H - M	1189 - 348
D - O	320 - 771	I-L	202 - 534
E - O	682 - 144	L-J	1375 - 269
F-N	501 - 1369	J - K	353 - 1538
N - G	1224 - 273		



03/02/2022

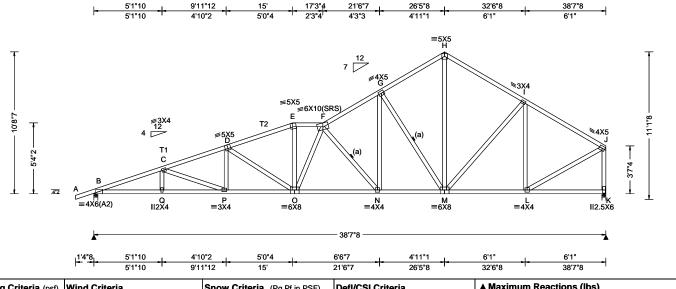
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SEQN: 75420 / SPEC Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T45 / FROM: Qty: 1 DrwNo: 061.22.1523.13356 Truntz Truss Label: A21 KD / YK 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.215 F 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.438 F 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.054 K
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.109 K
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.494
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.436
Spacing: 24.0 "	C&C Dist a: 3.86 ft	Rep Fac: Yes	Max Web CSI: 0.695
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15

Lumber

Top chord: 2x4 SP #2; T1,T2 2x4 SP M-31; Bot chord: 2x4 SP M-31; Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on

Wind

Wind loads based on MWFRS with additional C&C

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

▲ Maximum	Reaction
_	••

		UAIIII	4111 IXCC	000113	(103)			
	Gravity				No	Non-Gravity		
)	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
)	В	1674	/-	/-	/1048	/336	/278	
	K	1589	/-	/-	/846	/306	/-	
	Wind	d read	tions b	ased or	MWFRS			
	В	Brg V	Vid = 3.	5 Mir	Req = 1.5	(Truss	s)	
	K	Brg V	Vid = 3.	5 Mir	n Req = 1.5	(Truss	s)	
	Bear	rings	В&Ка	re a rigi	id surface.			
	Men	nbers	not liste	ed have	forces less	than 3	375#	
	Max	imun	Top C	hord F	orces Per	Ply (lb	s)	
	Cho	rds 1	ens.Co	mp.	Chords	Tens.	Comp.	
	B - 0		1066 -	40 7 9	F-G	637	- 2417	
	C - E	-		3683	G - H	485	- 1566	
	D - E	_	823 -		H-I	480	- 1505	

Maximum Bot Chord Forces Per Ply (lbs)

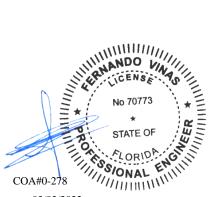
Tens.Comp.	Chords	Tens. (Jomp.
3818 - 1150	O - N	2968	- 762
3817 - 1154	N - M	2004	- 428
3437 - 1001	M - L	1235	- 247
	3818 - 1150 3817 - 1154	3818 - 1150 O - N 3817 - 1154 N - M	3818 - 1150 O - N 2968 3817 - 1154 N - M 2004

357 - 1492

Maximum Web Forces Per Ply (lbs)

812 - 2875

Webs	Tens.Comp.	Webs	Tens. Comp.
C-P	163 - 387	G - M	408 - 1328
D - O	301 - 703	H - M	1172 - 334
E - O	735 - 119	I-L	201 - 534
F-N	512 - 1467	L-J	1376 - 268
N - G	1243 - 337	J - K	366 - 1539



03/02/2022

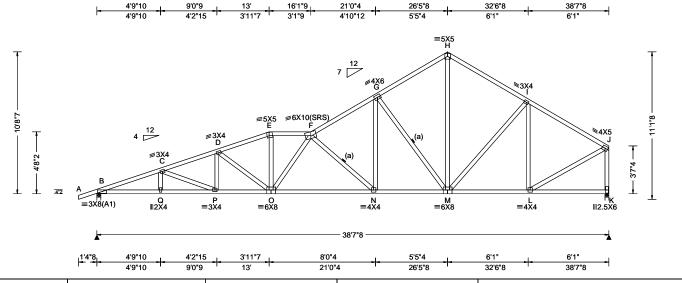
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SEQN: 75421 / SPEC Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T55 / FROM: Qty: 1 DrwNo: 061.22.1523.12670 Truntz Truss Label: A22 KD / YK 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
1.0220.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.249 F 999 240
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.508 F 909 180
10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.055 K
Dec 1 d · 10 00	EXP: C Kzt: NA		HORZ(TL): 0.112 K
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.492
l	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.433
Spacing: 24.0 "	C&C Dist a: 3.86 ft	Rep Fac: Yes	Max Web CSI: 0.706
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on

Wind

Wind loads based on MWFRS with additional C&C

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

▲ Maximum Reactions (lbs)

		G	ravity		` No	n-Grav	/ity
,	Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL
,	В	1677	/-	/-	/1042	/336	/279
	_	1591		, /-	/844	/306	/-
	Wind	d reac	tions b	ased or	MWFRS		
					n Req = 1.5		
	K	Brg V	Vid = 3	.5 Mir	n Req = 1.5	(Truss	s)
	Bear	rings l	B & K a	are a rigi	id surface.		
	Men	nbers	not list	ed have	forces less	than 3	375#
	Max	imum	Top (Chord F	orces Per	Ply (lb:	s)
	Cho	rds T	ens.Co	omp.	Chords	Tens.	Comp.
	B - 0	:	1067 -	4081	F-G	664	- 2554
	C - C	-	1010 -		G-H	495	- 1579
	D - E	=	883 -	3298	H-I	494	- 1597

Maximum Bot Chord Forces Per Ply (lbs)

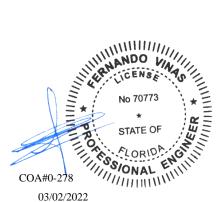
Tens.Comp.	Chords	Tens. (Jomp.
3824 - 1142	O - N	3367	- 870
3824 - 1146	N - M	2111	- 469
3531 - 1024	M - L	1237	- 255
	3824 - 1146	3824 - 1142 O - N 3824 - 1146 N - M	3824 - 1142 O - N 3367 3824 - 1146 N - M 2111

- 1494

Maximum Web Forces Per Ply (lbs)

864 - 3117

vvebs	rens.Comp.	webs	rens. Comp.
D-0	258 - 558	G - M	428 - 1382
E - O	839 - 145	H - M	1162 - 340
0 - F	175 - 444	I-L	205 - 534
F-N	575 - 1657	L-J	1378 - 277
N - G	1260 - 318	J - K	376 - 1541



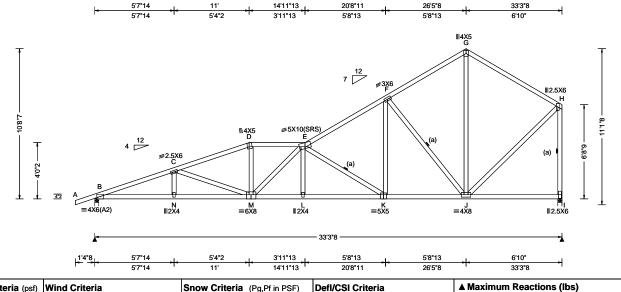
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SEQN: 75470 / SPEC Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T50 / FROM: DrwNo: 061.22.1523.14216 Qty: 1 Truntz Truss Label: A23 KD / YK 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf	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 7th Ed. 2020 Res.	PP Deflection in loc L/defl L/# VERT(LL): 0.193 L 999 240 VERT(CL): 0.393 L 999 180 HORZ(LL): -0.057 G HORZ(TL): 0.117 G Creep Factor: 2.0	LEIVEL
Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.33 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Max TC CSI: 0.802 Max BC CSI: 0.367 Max Web CSI: 0.547 VIEW Ver: 21.02.01.1216.15	N C

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on

Wind

Wind loads based on MWFRS with additional C&C

Right end vertical not exposed to wind pressure.

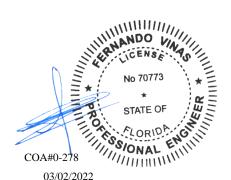
Wind loading based on both gable and hip roof types.

		Gravity		No	on-Grav	vity .
	Loc R-	+ /R-	/ Rh	/ Rw	/ U	/ RL
	B 145	58 /-	/-	/897	/276	/271
	I 136	S9 /-	/-	/786	/281	/-
	Wind re	actions b	ased on	MWFRS		
	B Bro	y Wid = 3	.5 Min	Req = 1.5	(Truss	s)
	I Bro	y Wid = 3	.5 Min	Req = 1.5	(Truss	s)
	Bearing	ısB&la	re a rigid	surface.		
	Membe	rs not list	ed have f	orces less	s than 3	375#
	Maxim	um Top (Chord Fo	rces Per	Ply (lb:	s)
	Chords	Tens.C	omp.	Chords	Tens.	Comp.
_	B-C	973 -	3453	E-F	485	- 1891

Maximum Bot Chord Forces Per Ply (lbs)						
D-E	842 - 2714	G-H	287	- 954		
C-Ď	851 - 2887	F-G	306	- 947		

Chords	Tens.Comp.	Chords	Tens. (Comp.
B - N N - M M - L	3229 - 1108 3230 - 1107 3031 - 946	L-K K-J	3028 1528	- 948 - 433

Maximum Web Forces Per Ply (lbs)						
Webs	Tens.Comp.	Webs	Tens. Comp	٠.		
C - M	236 - 572	F-J	418 - 125	2		
D - M	613 - 67	G-J	499 -9	3		
M - E	113 - 441	J - H	1022 - 23	6		
E-K	647 - 1760	H - I	370 - 131	4		
K-F	1088 - 304					



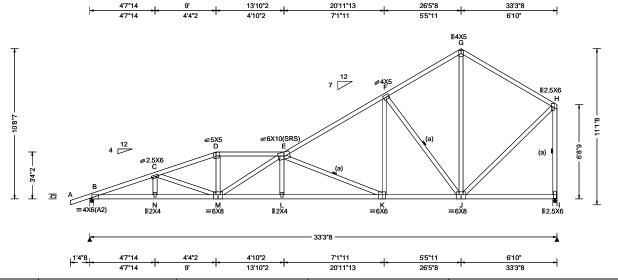
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SEQN: 75423 / SPEC Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T61 / FROM: Qty: 1 DrwNo: 061.22.1523.13623 Truntz Truss Label: A24 KD / YK 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.33 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.269 L 999 240 VERT(CL): 0.549 L 724 180 HORZ(LL): -0.073 G HORZ(TL): 0.148 G Creep Factor: 2.0 Max TC CSI: 0.822 Max BC CSI: 0.957 Max Web CSI: 0.801	Gravity Loc R+ /R- /Rh / B 1459 /- /- // I 1370 /- /- // Wind reactions based on MWF B Brg Wid = 3.5 Min Req : I Brg Wid = 3.5 Min Req : Bearings B & I are a rigid surfa Members not listed have forces Chords Tens.Comp. Chor B - C 983 - 3460 E - F
Lumber	Willia Dalation. 1.00	WAVE	VILW VGI. 21.02.01.1210.13	C-D 899 - 3107 F - G

Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 1459 /-/891 /276 /272 1370 /-/787 /281 /-Wind reactions based on MWFRS Brg Wid = 3.5Min Reg = 1.7 (Truss) Brg Wid = 3.5 Min Req = 1.6 (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 C - D 983 - 3460 471 - 1878 899 - 3107 F-G 316 - 948 D-E 889 - 2946 G-H

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

Bracing

(a) Continuous lateral restraint equally spaced on

Wind

Wind loads based on MWFRS with additional C&C

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

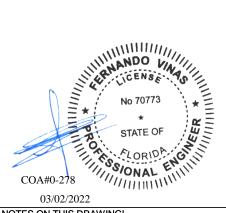
Maximum Bot Chord Forces Per Ply (lbs)					
Chords	Tens.Comp.	Chords	Tens. C	Comp.	_
B - N	3237 - 1117	L-K	3653	- 1151	
N - M	3238 - 1115	K - J	1496	- 433	
M - L	3659 - 1147				

292

- 953

Maximum Web Forces Per Ply (lbs)

vvebs	rens.Comp.	webs	rens. Comp.
D - M	693 - 74	F-J	430 - 1258
M - E	205 - 849	G - J	507 - 111
E - K	775 - 2317	J - H	1019 - 240
K - F	1055 - 249	H - I	377 - 1313



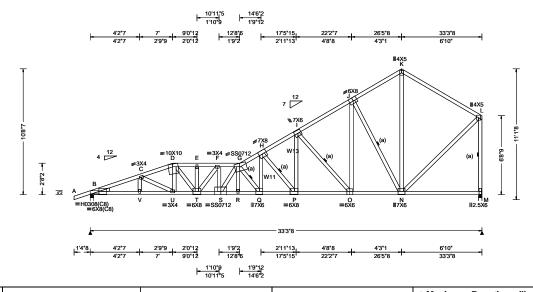
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SEQN: 422337 SPEC Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 FROM: Qty: 1 DrwNo: 061.22.1530.12033 Truntz Truss Label: A25 KD / FV 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.500 G 795 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.979 G 406 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.152 K
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.297 K
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.519
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.932
Spacing: 24.0 "	C&C Dist a: 3.33 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.834
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	HS, WAVE, 18SS	VIEW Ver: 21.01.01A.0521.20

Lumber

Top chord: 2x4 SP M-31;

Bot chord: 2x4 SP M-31; Webs: 2x4 SP #3; W11,W13 2x4 SP #2;

Lt Wedge: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member

Special Loads

(Lumber	Dur.Fac.=1	.25 / Plate [Dur.Fac.=1.2	25)
TC: From	61 plf at	-1.38 to	61 plf at	7.00
TC: From	31 plf at	7.00 to	31 plf at	9.06
TC: From	61 plf at	9.06 to	61 plf at	12.70
TC: From	63 plf at	12.70 to	63 plf at	33.29
BC: From	4 plf at	-1.38 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	7.03
BC: From	10 plf at	7.03 to	10 plf at	11.09
BC: From	20 plf at	11.09 to	20 plf at	33.29
TC: 40 lb	Conc. Load	at 7.03		
BC: 592 lb	Conc. Load	at 7.03		
BC: 1430 lb	Conc. Load	at 9.06		

Plating Notes

All plates are 2X4 except as noted.

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.

The overall height of this truss excluding overhang is

Additional Notes

10-8-7.



	▲ Maxir	mum Re	actions (lbs)		
		Gravity		No	on-Grav	/ity
)	Loc R	⊦ /R-	/ Rh	/ Rw	/ U	/ RL
)	B 292	9 /-	/-	/-	/580	/-
	M 186	i1 /-	/-	/-	/350	/-
	Wind re	actions b	ased on	MWFRS		
	B Bro	Wid = 3	.5 Min	Req = 2.4	1	
	M Brg	Wid = 3	.5 Min	Req = 1.5	5	
	Bearing	sB&M	are a rigi	d surface.		
	Membe	rs not list	ed have	forces less	s than 3	375#
Maximum Top Chord Forces Per Ply (lbs)						
	Chords	Tens.C	omp.	Chords	Tens.	Ćomp.
_	B-C	1445 -	7592	G-H	1330	- 7013
	C-D	1475 -	7745	H-I	839	- 4413
	D-E	1626 -	8619	I-J	468	- 2402
	E-F	1626 -	8619	J-K	251	- 1284

Maximum Bot Chord Forces Per Ply (lbs)

1647 - 8706

F-G

Chords	Tens.Comp.	Chords	Tens. Comp.	
3 - V	7133 - 1350	R - Q	8627 - 1633	
√ - U	7145 - 1355	Q-P	5843 - 1105	
J - T	7346 - 1392	P - O	3670 - 694	
Γ - S	8709 - 1649	O - N	1953 - 369	
S - R	8624 - 1631			

K-L

268 - 1329

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
D-U	671 - 335	P-I	2688 - 454
D - T	1944 - 356	I - O	484 - 2544
T-F	40 - 530	O - J	1994 - 331
F-S	385 - 21	J - N	362 - 1899
G - Q	844 - 4441	K-N	824 - 70
Q - H	3693 - 676	N - L	1465 - 275
H - P	628 - 3298	L-M	376 - 1806

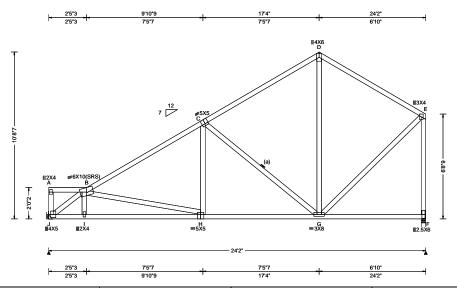
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SEQN: 75474 / SPEC Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T64 / FROM: Qty: 1 DrwNo: 061.22.1523.13997 Truntz Truss Label: A26 KD / YK 03/02/2022



Clading Criteria (psf)
TCDL: 10.00 Speed: 130 mph Pf: NA Ce: NA VERT(LL): 0.040 H 999 240 BCLL: 0.00 Enclosure: Closed Lu: NA Cs: NA VERT(LL): 0.040 H 999 240 BCDL: 10.00 Risk Category: II Snow Duration: NA HORZ(LL): 0.016 G - - Des Ld: 40.00 Mean Height: 15.48 ft HORZ(TL): 0.034 G - - NCBCLL: 10.00 TCDL: 4.2 psf Building Code: Creep Factor: 2.0 Soffit: 2.00 BCDL: 5.0 psf TDL: 4th: 2.042 Max TC CSI: 0.807
BCLL: 0.00 Enclosure: Closed Lu: NA
BCDL: 10.00 Risk Category: II EXP: C Kzt: NA Mean Height: 15.48 ft TCDL: 4.2 psf BCDL: 5.0 psf BCDL: 5.0 psf TCDL: 4.2 psf TCDL: 4.2 psf BCDL: 5.0 psf TCDL: 4.2 psf TCDL: 4.2 psf TCDL: 4.2 psf BCDL: 5.0 psf TCDL: 4.2 psf T
EXP: C Kzt: NA HORZ(LL): 0.016 G FBC 7th Ed. 2020 Res. Max TC CSI: 0.807 Max PC CSI: 0.0034 Max PC C
Des Ld: 40.00 Mean Height: 15.48 ft TCDL: 4.2 psf BCDL: 5.0 psf BCDL: 5.0 psf TDL total 2020 Res. Max TC CSI: 0.807 Max TC CSI: 0.
NCBCLL: 10.00 TCDL: 4.2 psf Building Code: Creep Factor: 2.0 Soffit: 2.00 BCDL: 5.0 psf EBC 7th Ed. 2020 Res. Max TC CSI: 0.807
Soffit: 2.00 BCDL: 5.0 psf FBC 7th Ed. 2020 Res. Max TC CSI: 0.807
TDI CAL 2044 May DC CCI, 0 C02
Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 TPI Std: 2014 Max BC CSI: 0.603
Spacing: 24.0 " C&C Dist a: 3.00 ft Rep Fac: Yes Max Web CSI: 0.793
Loc. from endwall: not in 4.50 ft FT/RT:20(0)/10(0)
GCpi: 0.18 Plate Type(s):
Wind Duration: 1.60 WAVE VIEW Ver: 21.02.01.1216.15

▲ Maximum Reactions (Ibs)								
	G	ravity		No	on-Grav	vity		
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL		
J	1005	/-	/-	/575	/169	/225		
F	1005	/-	/-	/576	/223	/-		
Win	d read	tions ba	sed on	MWFRS				
J	Brg V	√id = -	Min	Req = -				
F	Brg V	Vid = 3.5	Min	Req = 1.5	(Trus	s)		
Bea	ring F	is a rigio	surfac	e.	•	•		
Men	nbers	not listed	have t	forces less	s than 3	375#		
Max	Maximum Top Chord Forces Per Ply (lbs)							
Cho	rds T	ens.Con	np.	Chords	Tens.	Comp.		
B - (-	252 - 13 219 - 1	306 714	D-E	208	- 679		

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

End verticals not exposed to wind pressure.

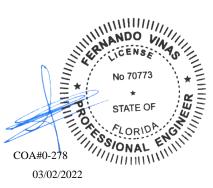
Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.		
J - I	1319 -430	H-G	1039	- 310	
I - H	1310 - 436				

Maximum Web Forces Per Ply (lbs)

vvebs	rens.Comp.	vvebs	rens. Comp.	
J - B	309 - 1605	G - E	699 - 143	
C - G	267 - 685	E - F	266 - 951	



03/02/2022

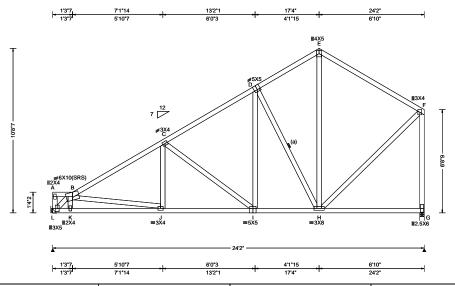
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SEQN: 75478 / SPEC Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T65 / FROM: Qty: 1 DrwNo: 061.22.1523.13014 Truntz Truss Label: A27 KD / YK 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	14
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.039 J 999 240	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.081 J 999 180	L
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.015 C	
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	EXP: C Kzt: NA Mean Height: 15.15 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 GCpi: 0.18	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.031 C Creep Factor: 2.0 Max TC CSI: 0.764 Max BC CSI: 0.467 Max Web CSI: 0.791	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15] 5
l				•

▲ Maximum Reactions (lbs)								
	G	ravity		No	on-Grav	/ity		
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL		
L	1005	/-	/-	/591	/161	/241		
G	1005	/-	/-	/578	/219	/-		
Win	d read	tions bas	sed on	MWFRS				
L	Brg V	Vid = -	Min	Req = -				
G	Brg V	Vid = 3.5	Min	Req = 1.5	(Truss	s)		
Bea	ring G	is a rigio	surfac	ce.	•	•		
Mer	nbers	not listed	have	forces les	s than 3	375#		
Maximum Top Chord Forces Per Ply (lbs)								
Cho	rds T	ens.Con	np.	Chords	Tens.	Ćomp.		
В-(С	403 - 14	169	D-E	327	- 633		
l c - i	Ď	358 - 10		E-F	282	- 675		

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

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

End verticals not exposed to wind pressure.

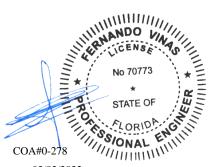
Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. (Comp.
L-K	1191	- 530	J - I	1200	- 506
K - J	1182	- 539	I - H	767	- 281

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
L-B	384 - 1523	D-H	289 - 579	
C - I	280 - 534	H - F	690 - 208	
I - D	413 - 127	F-G	375 - 948	



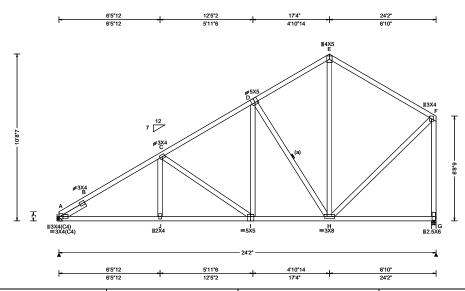
03/02/2022

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.048 B 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.100 B 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.030 B
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.063 B
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.757
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.481
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.787
-	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15

Lumber

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

Lt Slider: 2x4 SP #3; block length = 1.814'

(a) Continuous lateral restraint equally spaced on member

Hangers / Ties

(J) Hanger Support Required, by others

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.

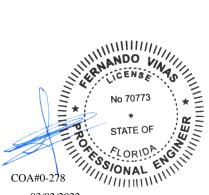
▲ Maximum Reactions (lbs)						
Gravity			Non-Gravity			
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
A 1010) /-	/-	/614	/158	/260	
G 1000) /-	/-	/575	/215	/-	
Wind rea	Wind reactions based on MWFRS					
A Brg	Wid = -	Min	Req = -			
G Brg	Wid = 3.	5 Min	Req = 1.5	(Truss	s)	
Bearing G is a rigid surface.						
Members not listed have forces less than 375#						
Maximum Top Chord Forces Per Ply (lbs)						
Chords	Tens.Co	mp.	Chords	Tens.	Comp.	
А-В	545 -	1668	D-F	318	- 645	
B-C		1478		279	-672	
C-D	359 -			_,,	U	

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

0	. oo.op.	00.00	. oo. o op.	
-	1224 - 515	I - H	811 - 30	2
.1 - 1	1221 - 516			

Maximum Web Forces Per Plv (lbs)

Webs	Tens.Comp.		Webs	Tens. Comp.	
C - I	259	- 491	H - F	687	- 205
I - D	397	- 100	F-G	371	- 944
D - H	287	- 576			



03/02/2022

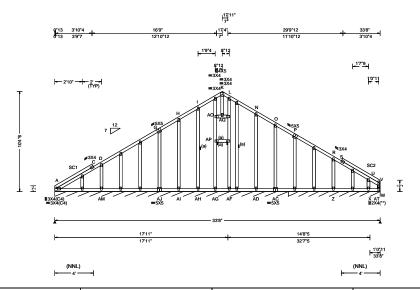
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SEQN: 75427 / GABL Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T17 / Qty: 1 FROM: DrwNo: 061.22.1523.12825 Truntz Truss Label: A29 KD / YK 03/02/2022



Loading Cr	riteria (psf)	Wind Criteria	Snow Crit	t eria (Pg	,Pf in PSF)	Defl/CSI Cr	iteria		
TCLL: 20	0.00	Wind Std: ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection	on in loc	_/defl	L/#
TCDL: 10	0.00		Pf: NA		Ce: NA	VERT(LL):	0.012 K	999	240
BCLL: 0	0.00		Lu: NA	Cs: NA		VERT(CL):	0.013 S	999	180
BCDL: 10	0.00	Risk Category: II	Snow Dura	ation: NA	ı	HORZ(LL):	0.021 S	-	-
Des Ld: 4	0.00	EXP: C Kzt: NA				HORZ(TL):	0.030 S	-	-
NCBCLL: 10	^ ^^	Mean Height: 15.00 ft TCDL: 4.2 psf	Building C	ode:		Creep Facto	or: 2.0		
Soffit: 2		BCDL: 5.0 psf	FBC 7th E	d. 2020 F	Res.	Max TC CS	l: 0.904		
Load Duration		MWFRS Parallel Dist: 0 to h/2	TPI Std: 2	2014		Max BC CS	I: 0.218		
Spacing: 24	1.0 "	C&C Dist a: 3.37 ft	Rep Fac: \	√aries by	Ld Case	Max Web C	SI: 0.444		
-		Loc. from endwall: Any	FT/RT:20(0)/10(0)					
		GCpi: 0.18	Plate Type	e(s):					
		Wind Duration: 1.60	WAVE			VIEW Ver: 2	21.02.01.1	216.15	5

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

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

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 10.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

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

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

Additional Notes

See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

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

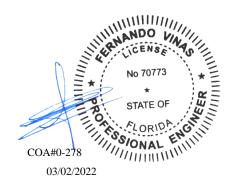
▲ Maximum Reactions (lbs), or *=PLF							
		Gravity		N	on-Grav	rity	
)	Loc R+	- /R-	/ Rh	/ Rw	/ U	/ RL	
)	A* 199	/-	/-	/112	/55	/35	
	AT* 181	/-	/-	/99	/60	/-	
	Wind re	actions b	ased o	n MWFRS			
	A Brg	Wid = 2	89 Mi	n Req = -			
	AT Brg	Wid = 1	14 Mi	n Req = -			
	Bearing	s A & AB	are a	rigid surface	Э.		
	Member	rs not list	ed have	e forces les	s than 3	75#	
	Maximu	ım Top (Chord I	Forces Per	Ply (lbs	s)	
	Chords	Tens.Co	omp.	Chords	Tens.	Comp.	
	A - C	411	- 527	I-K	728	- 242	
	C-D		- 668	K-L	691	- 175	
	D-G		- 553		752		
	G-H		- 308	N-O	541		
	H-I		- 274	0 - P	425	- 94	

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Com	p. Chords	Tens.	Comp.
A -AM	765 - 5	72 AM-AJ	771	- 588

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.C	omp.	Gables	Tens. (Comp.
D -AM	428	- 477	AP-AG	115	- 384
G -AJ	221	- 380	K -AQ	92	- 385
H -AI	203	- 418	AD- N	223	- 436
I -AH	217	- 419	AC- O	195	- 401
AO-AP	115	- 384	Z - R	294	- 490



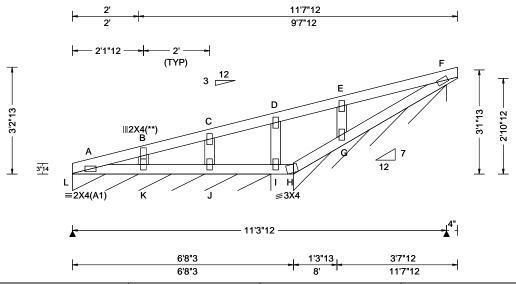
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SEQN: 75642 / GABL Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T41 / FROM: Qty: 2 DrwNo: 061.22.1523.13091 Truntz Truss Label: A30 KD / YK 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.006 F 999 240	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.010 F 999 180	L* 135 /- /- /60 /69 /51
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.004 F	H* 186 /- /- /85 /102 /-
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 18.28 ft		HORZ(TL): 0.006 F	Wind reactions based on MWFRS
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	L Brg Wid = 72.0 Min Req = -
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.267	H Brg Wid = 55.6 Min Req = - Bearings L & H are a rigid surface.
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.157	Members not listed have forces less than 375#
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.105	Maximum Web Forces Per Ply (lbs)
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		Webs Tens.Comp.
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15	E-G 351 -403
Lumber	-	-	•	

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

Loading

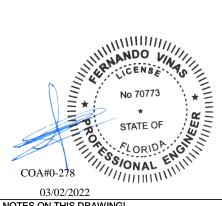
Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 10.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

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.



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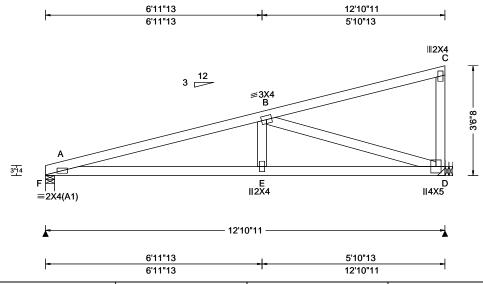
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 75429 / MONO Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 Т6 FROM: Qty: 2 DrwNo: 061.22.1523.13170 Truntz Truss Label: A31 KD / YK 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 18.43 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 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): 0.039 E 999 240 VERT(CL): 0.079 E 999 180 HORZ(LL): 0.011 D HORZ(TL): 0.022 D Creep Factor: 2.0 Max TC CSI: 0.616 Max BC CSI: 0.587 Max Web CSI: 0.782 VIEW Ver: 21.02.01.1216.15	Gravity Loc R+ /R- /Rh /
Lumber				. M

	G	ravity		NO	on-Grav	/ity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	525	/-	/-	/271	/94	/114
D	514	/-	/-	/266	/122	/-
Win	d reac	tions ba	sed on N	/WFRS		
F	Brg V	Vid = 3.5	Min F	Req = 1.5	5	
D	Brg V	Vid = -	Min F	Req = -		
Bea	ring F	is a rigio	surface) .		
Mer	nbers	not listed	d have fo	orces less	than 3	375#
Max	cimum	1 Top Ch	nord For	ces Per	Ply (lb:	s)
Cho	rds T	Tens.Cor	np.			
A - I	В	486 - 1	164			

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

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

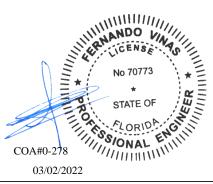
Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 1096 - 602 1086 - 605

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp.

B - D 627 - 1126



03/02/2022

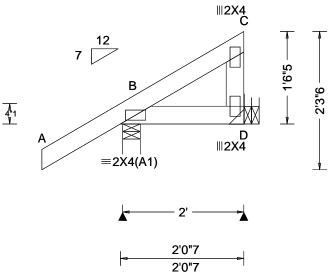
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SEQN: 75430 / MONO Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T58 / FROM: Qty: 2 DrwNo: 061.22.1523.13795 Truntz Truss Label: A32 KD / YK 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.000 B 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 B 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 B
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 B
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.137
	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.027
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.020
_	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 195 /152 /62 55 /-/49 /-/18 Wind reactions based on MWFRS Brg Wid = 3.5Min Reg = 1.5Brg Wid = -Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

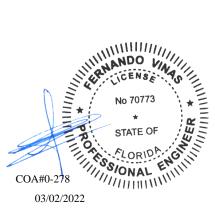
Hangers / Ties

(J) Hanger Support Required, by others

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.



03/02/2022

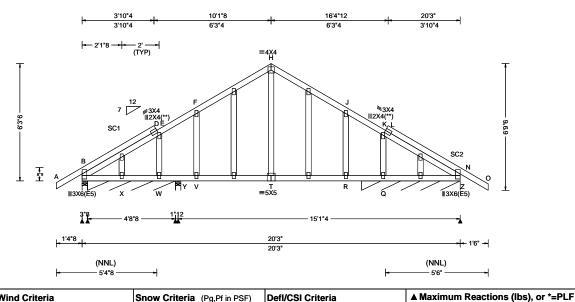
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SEQN: 75431 / GABL Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T56 / FROM: DrwNo: 061.22.1523.12607 Qty: 1 Truntz Truss Label: B01 KD / YK 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.053 G 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.111 G 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.024 G
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.050 G
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.737
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.841
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.130
' '	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

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

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 10.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

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

Bearings B, B, Y, & R 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 - D 27 - 568 H - J 498 - 1107 97 - 581 B - D .1 - K 281 - 1077 D - E 105 -832 K-L 100 -840 E-F 287 - 1086 L-N 29 - 569 499 - 1104 88 - 582 F-H

Non-Gravity

/122

/22

/225

/RL

/383

/-

/Rw /U

/471

/21

/434

/193 /87

Min Req = 1.5 (Truss)

Gravity

/-108

Wind reactions based on MWFRS Brg Wid = 3.5

Brg Wid = 56.5 Min Req = -Brg Wid = 3.5 Min Req = 1.5 (Truss) Brg Wid = 63.5 Min Req =

В 1064

B 36

Z' 369 /-

Х

В

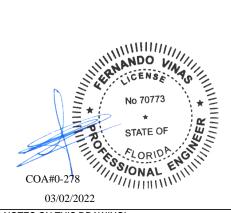
719

/Rh

/-

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - W 872 T - R 848 -84 1711 - 175 W - V R-Q 1711 - 166 V - T 848 871 - 85 Q-N -84

Maximum Gable Forces Per Ply (lbs) Gables Tens.Comp. Gables Tens. Comp. E - W 391 - 539 R-J 254 - 399 241 - 376 Q-K 371 - 505



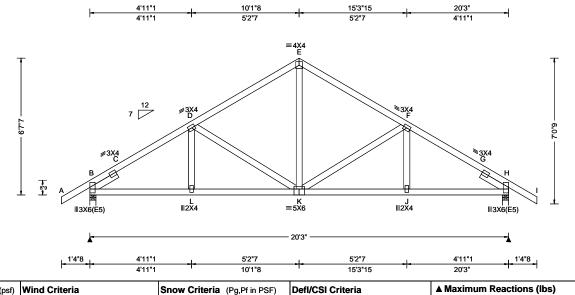
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SEQN: 75488 / COMN Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T3 / FROM: Qty: 6 DrwNo: 061.22.1523.13810 Truntz Truss Label: B02 KD / YK 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.030 K 999 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.062 K 999 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.015 H	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.029 H	
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.265	
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.331	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.252	
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15	
				- 1

Lumber

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

Lt Slider: 2x4 SP #3; block length = 1.500' Rt Slider: 2x4 SP #3; block length = 1.500'

Wind

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

Wind loading based on both gable and hip roof types.

	G	avity	•	No	n-Grav	/ity		
Lo	c R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
В	935	/-	/-	/560	/182	/193		
Н	935	/-	/-	/560	/182	/-		
Wind reactions based on MWFRS								
В	Brg V	Vid = 3.	.5 Min F	Req = 1.5	(Truss	s)		
Н	Brg V	Vid = 3.	.5 Min F	Req = 1.5	(Truss	s)		
Ве	arings	B & H a	are a rigid	surface.				
Me	mbers	not list	ed have fo	orces less	s than 3	375#		
	B H Wi B H Be	Loc R+ B 935 H 935 Wind read B Brg V H Brg V Bearings	H 935 /- Wind reactions b B Brg Wid = 3. H Brg Wid = 3. Bearings B & H a	Loc R+ / R- / Rh B 935 /- /- H 935 /- /- Wind reactions based on M B Brg Wid = 3.5 Min F H Brg Wid = 3.5 Min F Bearings B & H are a rigid	Loc R+ / R- / Rh / Rw B 935 /- /- /560 H 935 /- /- /560 Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 H Brg Wid = 3.5 Min Req = 1.5 Bearings B & H are a rigid surface.	Loc R+ / R- / Rh / Rw / U B 935 /- /- /560 /182 H 935 /- /- /560 /182 Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 (Truss Bearings B & H are a rigid surface.	Loc R+ / R- / Rh / Rw / U / RL B 935 /- /- /560 /182 /- H 935 /- /- /560 /182 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 (Truss) H Brg Wid = 3.5 Min Req = 1.5 (Truss)	

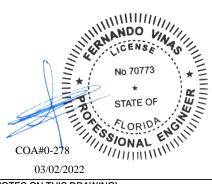
Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

B-C	279 - 1250	E-F	247	- 887
C-D	262 - 1207	F-G	261	- 1207
D - E	247 - 887	G - H	279	- 1250

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Tens. Comp. Chords B-L 993 - 133 K - J 993 - 136 993 - 131 L-K J - H 993 - 138

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp.

E - K 493



03/02/2022

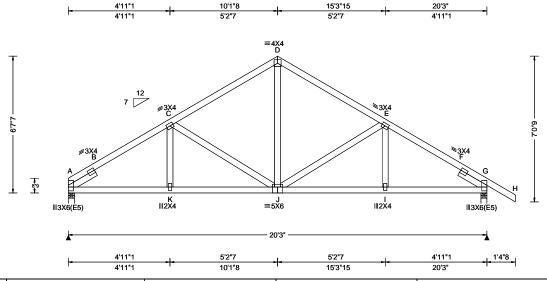
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SEQN: 75433 / COMN Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T27 / FROM: Qty: 1 DrwNo: 061.22.1523.12951 Truntz Truss Label: B03 KD / YK 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Τ.
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.030 J 999 240 VERT(CL): 0.062 J 999 180 HORZ(LL): 0.015 G HORZ(TL): 0.030 G Creep Factor: 2.0 Max TC CSI: 0.352 Max BC CSI: 0.352 Max Web CSI: 0.265 VIEW Ver: 21.02.01.1216.15	
Lauren	= 4.44.4 1.00	WAVE		ا ل

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL Α 839 /481 /177 G 938 /-/560 /-/37 Wind reactions based on MWFRS Brg Wid = 3.5Min Reg = 1.5Brg Wid = 3.5 Min Req = 1.5 Bearings A & 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. 287 - 1289 B - C 269 - 1223 E-F 265 - 1212 C-D 251 - 894 F-G 282 - 1255

Lumber

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

Lt Slider: 2x4 SP #3; block length = 1.500' Rt Slider: 2x4 SP #3; block length = 1.500'

Wind

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

Wind loading based on both gable and hip roof types.

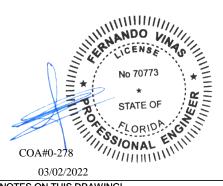
Maximum Bot Chord Forces Per Ply (lbs) Chords Tens. Comp. Chords Tens.Comp.

A - K	1013 - 147	J - I	998	- 139
K - J	1013 - 145	I-G	998	- 141

Maximum Web Forces Per Ply (lbs) Webs

Tens.Comp.

D - J 496 - 101



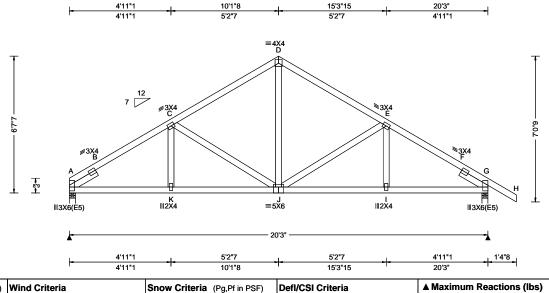
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 75434 / COMN Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T2 / FROM: Qty: 1 DrwNo: 061.22.1523.12749 Truntz Truss Label: B04 KD / YK 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 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): 0.030 J 999 240 VERT(CL): 0.062 J 999 180 HORZ(LL): 0.015 G HORZ(TL): 0.030 G Creep Factor: 2.0 Max TC CSI: 0.352 Max BC CSI: 0.332 Max Web CSI: 0.265 VIEW Ver: 21.02.01.1216.15
Lumbor			

Lumber

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

Lt Slider: 2x4 SP #3; block length = 1.500' Rt Slider: 2x4 SP #3; block length = 1.500'

Wind

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

Wind loading based on both gable and hip roof types.

		G	ravity	•	No	n-Gra	vity		
)	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
)	Α	839	/-	/-	/481	/28	/177		
	G	938	/-	/-	/560	/37	/-		
	Wind reactions based on MWFRS								
	Α	Brg V	Vid = 3.5	5 Min	Req = 1.5	;			
	G	Brg V	Vid = 3.5	5 Min	Req = 1.5	;			
	Bea	rings /	A & G a	re a rigio	l surface.				

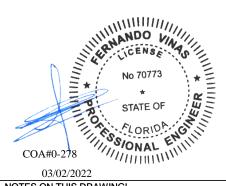
Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords

A - B	287 - 1289	D-E	251 -	893
JA-B B-C	269 - 1223	E-F	265 - 1	212
C - D	251 - 894	F-G	282 - 1	255

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Tens. Comp. Chords A - K 1013 - 147 998 - 139 1013 - 145 I-G K-J 998 - 141

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp.

D - J 496 - 101



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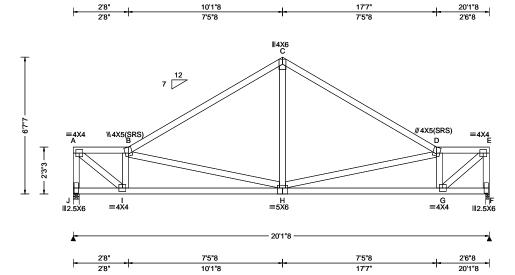
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6750 Forum Drive Suite 305 Orlando FL, 32821

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

SEQN: 75435 / COMN Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T19 / FROM: Qty: 1 DrwNo: 061.22.1523.13716 Truntz Truss Label: B05 KD / YK 03/02/2022

10'1"8



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs	s)
TCLL: 20.00	Wind Std: ASCE 7-16	Pa: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.030 H 999 240	Loc R+ /R- /Rh	/Rw /U /R
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.063 H 999 180	J 837 /- /-	/444 /34 /11
DCDL. 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.013 F	F 837 /- /-	/444 /32 /-
Decly 1000	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.027 F	Wind reactions based on M	-
NODOLL, 40 00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0		eq = 1.5
0 - 40:4-	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.631	F Brg Wid = 2.0 Min Re	•
	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.616	Bearings J & F are a rigid su	
	C&C Dist a: 3.00 ft	-1	Max Web CSI: 0.488	Members not listed have for Maximum Top Chord Ford	
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		Chords Tens.Comp. Cl	hords Tens. Con
	GCpi: 0.18	Plate Type(s):	VIEW Very 24 02 04 4246 45	A-B 280 -986 C	- D 253 -9
••	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15		- E 266 -9

Lumber

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

Wind

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

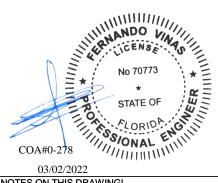
End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Loc	R+	/ R-	/ Rh	/ Rv	v /U	/ RL		
J	837	/-	/-	/444	1 /34	/111		
F	837	/-	/-	/444	1 /32	/-		
Wind reactions based on MWFRS								
J	Brg V	Vid = 3	3.5 Mi	n Req = 1	1.5			
F	Brg V	Vid = 2	2.0 Mi	n Req = 1	1.5			
Bea	rings .	J&Fa	are a rig	id surface	١.			
Members not listed have forces less than 375#								
Maximum Top Chord Forces Per Ply (lbs)								
Cho	rds 1	ens.C	omp.	Chords	Tens	. Ćomp.		
A - F	3	280	- 986	C - D	25	3 - 961		
B - 0	5	253	- 961	D-E	26			
	J F Wind J F Bear Men Max Cho	J 837 F 837 Wind read J Brg V F Brg V Bearings Members Maximum	F 837 /- Wind reactions I J Brg Wid = 2 F Brg Wid = 2 Bearings J & F a Members not lis Maximum Top Chords Tens.C A - B 280	J 837 /- /- F 837 /- /- Wind reactions based o J Brg Wid = 3.5 Mi F Brg Wid = 2.0 Mi Bearings J & F are a rig Members not listed haw Maximum Top Chord I Chords Tens.Comp. A - B 280 - 986	J 837 /- /- /444 F 837 /- /- /444 Wind reactions based on MWFRS J Brg Wid = 3.5 Min Req = 7 F Brg Wid = 2.0 Min Req = 7 Bearings J & F are a rigid surface Members not listed have forces le Maximum Top Chord Forces Pe Chords Tens.Comp. Chords A - B 280 - 986 C - D	J 837 /- /- /444 /34 F 837 /- /- /444 /32 Wind reactions based on MWFRS J Brg Wid = 3.5 Min Req = 1.5 F Brg Wid = 2.0 Min Req = 1.5 Bearings J & F are a rigid surface. Members not listed have forces less than Maximum Top Chord Forces Per Ply (I Chords Tens.Comp. Chords Tens A - B 280 - 986 C - D 25		

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 1090 - 324 1052 - 311

Maximum Web Forces Per Ply (lbs)								
Webs	Tens.C	Comp.	Webs	Tens. (Comp.			
A - J	283	- 834	D-G	306	- 723			
A - I	1281	- 361	G-E	1257	- 352			
I - B	305	- 713	E-F	277	- 837			
O 11	404	04						



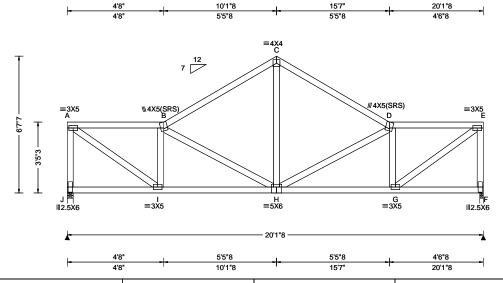
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SEQN: 75436 / COMN Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T18 / FROM: Qty: 1 DrwNo: 061.22.1523.12810 Truntz Truss Label: B06 KD / YK 03/02/2022



Loading (Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lb	s)
TCLL:	20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL:	10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.033 H 999 240	Loc R+ /R- /Rh	/Rw /U /RL
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.069 H 999 180	J 837 /- /-	/430 /70 /81
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.012 A	F 837 /- /-	/430 /68 /-
Des Ld:	40.00	EXP: C Kzt: NA		HORZ(TL): 0.025 A	Wind reactions based on M	-
NCBCLL:	10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	J Brg Wid = 3.5 Min Re	- 1
Soffit:	0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.295	F Brg Wid = 2.0 Min R	•
Load Dura		MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.381	Bearings J & F are a rigid so Members not listed have for	
Spacing: 2	24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.442	Maximum Top Chord Ford	
		Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)			hords Tens. Comp.
		GCpi: 0.18	Plate Type(s):			
		Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15		- D 304 - 894 - E 342 - 931
Lumahan					- D-C 303 -093 D	-

Lumber

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

Wind

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

End verticals not exposed to wind pressure.

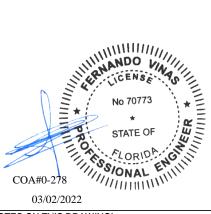
Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

hords	Tens.Comp.	Chords	Tens. Comp.	
- H	1003 - 380	H-G	984 - 370)

Maximum Web Forces Per Ply (lbs)

vvebs	rens.c	omp.	vvebs	rens. (Jonip.	
A - J A - I		- 799 - 424	D-G G-E	308 1148	- 583 - 417	
I - B C - H		- 576 - 154	E-F	394	- 801	
U-П	407	- 104				



03/02/2022

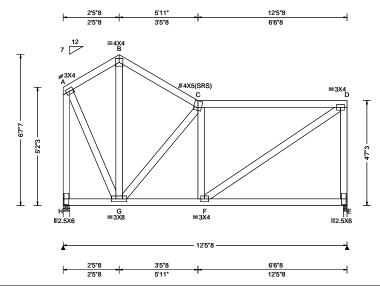
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SEQN: 75437 / COMN Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T11 / FROM: Qty: 1 DrwNo: 061.22.1523.13638 Truntz Truss Label: B07 KD / YK 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	A
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 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): 0.010 C 999 240 VERT(CL): 0.021 C 999 180 HORZ(LL): 0.005 B HORZ(TL): 0.011 B Creep Factor: 2.0 Max TC CSI: 0.693 Max BC CSI: 0.343 Max Web CSI: 0.353 VIEW Ver: 21.02.01.1216.15	

	▲ Maxi	mum Re	actions (II	os)		
		Gravity		No	on-Gra	vity
)	Loc R	+ /R-	/ Rh	/ Rw	/ U	/ RL
)	H 518	3 /-	/-	/288	/40	/51
	E 518	3 /-	/-	/266	/80	/-
	Wind re	eactions l	pased on N	/WFRS		
	H Bro	g Wid = 3	.5 Min F	Req = 1.5	5	
	E Bro	g Wid = 2	.0 Min F	Req = 1.5	5	
	Bearing	js H & E	are a rigid	surface.		
	Membe	rs not list	ed have fo	orces less	s than	375#
	Maxim	um Top	Chord For	ces Per	Ply (lk	os)
	Chords	Tens.C	omp.		•	•
Ī	C - D	271	- 421			

Lumber

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

Wind

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

End verticals not exposed to wind pressure.

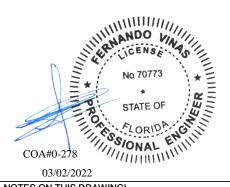
Wind loading based on both gable and hip roof types.

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

432 - 288 G-F

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. (Comp.
A - H	278 - 494	F-D	511	- 328
G-C	368 - 425	D-F	439	- 466



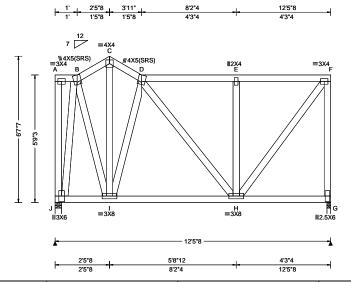
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SEQN: 75438 / COMN Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T25 / FROM: Qty: 1 DrwNo: 061.22.1523.14045 Truntz Truss Label: B08 KD / YK 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (Ib	os)
TCLL: 20.00	Wind Std: ASCE 7-16	Pa: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.009 E 999 240	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.019 E 999 180	J 518 /- /-	/269 /69 /21
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.003 C	G 518 /- /-	/265 /102 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.007 C	Wind reactions based on M	/WFRS
NCBCLL: 10.00	Mean Height: 15.32 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0		Req = 1.5 (Truss)
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.270	G Brg Wid = 2.0 Min R	
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.242	Bearings J & G are a rigid	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.368	Members not listed have for	
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		Maximum Web Forces Pe Webs Tens.Comp. V	Vebs Tens. Comp.
	GCpi: 0.18	Plate Type(s):			
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15		H-F 483 -422
Lumber	-	1	1	JI-D 377 -343 F E-H 456 -318	F - G 483 - 487

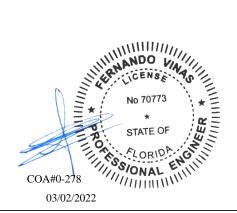
Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



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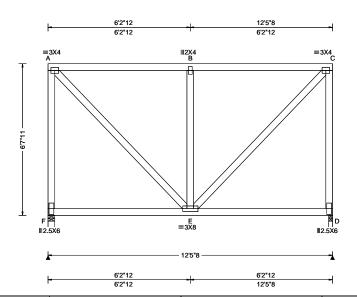
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A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

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

SEQN: 75439 / FLAT Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T36 / FROM: Qty: 1 DrwNo: 061.22.1523.14185 Truntz Truss Label: B09 KD / YK 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (Ib	s)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.77 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 21.00 ft	Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0)	VERT(LL): 0.011 B 999 240 VERT(CL): 0.023 B 999 180 HORZ(LL): 0.002 A HORZ(TL): 0.003 A Creep Factor: 2.0 Max TC CSI: 0.698 Max BC CSI: 0.464 Max Web CSI: 0.459	D 498 /- /- Wind reactions based on M F Brg Wid = 3.5 Min R D Brg Wid = 2.0 Min R Bearings F & D are a rigid s Members not listed have for Maximum Web Forces Pe	eq = 1.5 eq = 1.5 surface. rces less than 375#
Lumban	GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): WAVE	VIEW Ver: 21.02.01.1216.15		- C 433 - 31 - D 397 - 45
Lumber				B - E 531 - 464	

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

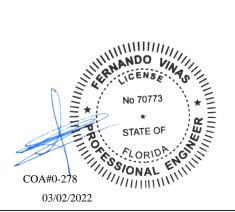
Wind

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

End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.



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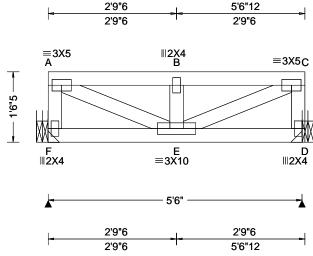
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Tens. Comp. -317

- 451

SEQN: 75451 / FLAT Ply: 2 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T47 FROM: Qty: 1 DrwNo: 061.22.1523.13311 Truntz Truss Label: C01 KD / YK 03/02/2022

2 Complete Trusses Required



				_
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	١,
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.013 B 999 240	1
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.026 B 999 180	П
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.002 A	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.003 A	١
NCBCLL: 0.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	Ш
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.163	1!
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.099	1
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.418	Ľ
' "	Loc. from endwall: Any	FT/RT:20(0)/10(0)		}
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15	ı
T	•			- 1

_						
▲ M	aximu	ım Rea	ctions (lbs)		
	G	ravity		No	on-Grav	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
F	1559	/-	/-	/-	/338	/-
D	1555	/-	/-	/-	/337	/-
Win	d read	tions b	ased on	MWFRS		
F	Brg V	Vid = -	Min	Req = -		
D	Brg V	Vid = -	Min	Req = -		
Men	nbers	not liste	ed have	forces less	s than 3	375#
Max	imun	Top C	hord Fo	orces Per	Ply (lb	s)
Cho	rds 1	ens.Co	mp.	Chords	Tens.	Comp.
A - I	3	222 -	1019	B-C	222	- 1019

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	omp.	Webs `	Tens. (Comp.
A - F A - E	166 1098	- 752 - 230	E-C C-D		- 239 - 752
A-E		960	C-D	100	- 102

Lumber

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

Nailnote

Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @ 5.75" o.c. Bot Chord: 1 Row @12.00" o.c. :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 530 plf at 0.00 to 530 plf at BC: From 10 plf at 0.00 to 10 plf at BC: 55 lb Conc. Load at 1.69, 3.69

Hangers / Ties

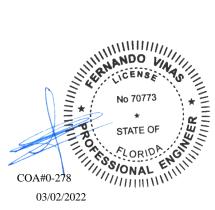
(J) Hanger Support Required, by others

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

Wind loads and reactions based on MWFRS. End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up. WIND LOAD CASE MODIFIED!



03/02/2022

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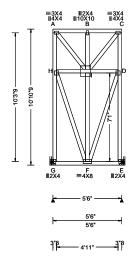
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SEQN: 77100 FLAT Ply: 2 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T49 FROM: DrwNo: 061.22.1528.41113 Qty: 1 Truntz Truss Label: C02 KD / FV 03/02/2022

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.010 F 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.020 F 999 180
	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 C
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 20.01 ft		HORZ(TL): 0.001 C
NCBCLL: 0.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.025
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.417
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.638
	Loc. from endwall: not in 14.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15
Louishau			

	▲ M	aximu	ım Re	actions	(lbs)		
		G	ravity		` N	on-Grav	rity
)	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
)		2083		/-	/-	/100	/-
	E	1995	/-	/-	/-	/89	/-
	Win	d reac	tions I	based o	n MWFRS		
	G	Brg V	Vid = -	Mi	n Req = -		
	E	Brg V	Vid = -	Mi	n Req = -		
	Men	nbers	not lis	ted have	e forces les	s than 3	75#
	Max	imum) Web	Forces	Per Ply (II	os)	
	Web	os T	ens.C	omp.	Webs	Ťens.	Comp.
	G - I	Н	43	- 820	I-F	383	- 15
	H - I	F	629	- 22	D - E	43	- 820
	F-0)	629	- 22			

Lumber

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

Nailnote

Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @ 2.25" o.c. Webs : 1 Row @ 4" o.c.

Use equal spacing between rows and stagger nails

in each row to avoid splitting.

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 30 plf at 0.00 to 30 plf at 10 plf at 0.00 to 10 plf at BC: 1930 lb Conc. Load at 1.69 BC: 1929 lb Conc. Load at 3.69

Hangers / Ties

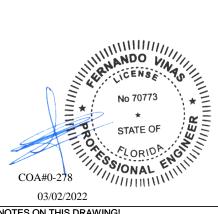
(J) Hanger Support Required, by others

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

Wind loads and reactions based on MWFRS. End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.



03/02/2022

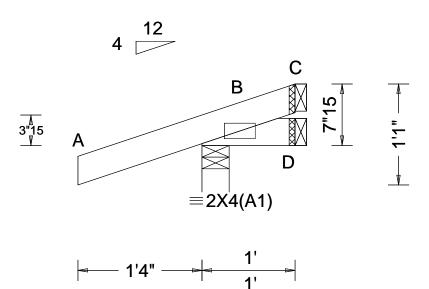
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SEQN: 75440 / JACK Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T34 / FROM: Qty: 2 DrwNo: 061.22.1523.13935 Truntz Truss Label: J01 KD / YK 03/02/2022



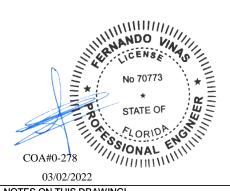
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (Ib	s)
TCLL: 20.00	Wind Std: ASCE 7-16	Pa: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	B 217 /- /-	/161 /85 /25
	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 D	D 4 /-13 /-	/17 /13 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.000 D	C - /-36 /-	/29 /32 /-
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	Wind reactions based on M	
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.211		eq = 1.5
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.026	D Brg Wid = 1.5 Min R	- 1
1	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000	C Brg Wid = 1.5 Min R Bearing B is a rigid surface	- 1
g	Loc. from endwall: Any	FT/RT:20(0)/10(0)		Members not listed have fo	
	GCpi: 0.18	Plate Type(s):		Interribers flot listed flave to	1000 1000 tridii 3/3#
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15		

Lumber

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.



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6750 Forum Drive Suite 305 Orlando FL, 32821

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

SEQN: 422333 HIP_ Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T24 FROM: DrwNo: 061.22.1527.35877 Qty: 1 Truntz Truss Label: J01HJ KD / FV 03/02/2022 8'9"1 8'9"1 12.5X6 C D 2.83 В 3"10 F E ∥2.5X6 8'9"1 **– 1'9"15** – 8'9"1

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maxi
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 0.00 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.064 B 999 240 VERT(CL): 0.121 B 904 180 HORZ(LL): 0.016 B HORZ(TL): 0.030 B Creep Factor: 2.0 Max TC CSI: 0.416 Max BC CSI: 0.250 Max Web CSI: 0.263	Loc R B 519 E 416 D - Wind re B Brg E Brg D Brg Bearing Membe
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	
Lumber				-

	0 2					
A N	laxim	um Rea	ctions (II	bs)		
	0	avity	•	N	on-Grav	/ity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	519	/-	/-	/-	/140	/-
Е	416	/-	/-	/-	/277	/-
D	-	/-173	/-	/232	/-	/-
Wir	nd rea	ctions ba	ased on M	MWFRS		
В	Brg \	Vid = 4.9	9 Min F	Req = 1.5	5	
Е	Brg \	Vid = 1.5	5			
D	Brg \	Vid = 1.5	5			
Bearing B is a rigid surface.						
Mei	mbers	not liste	d have fo	orces les	s than 3	375#

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

Loading

The following trusses need concentrated loads at the end of their overhangs: 5-0-0 span/setback member on the 1-3-8 cant side requires 79 lbs and the 5-0-0 span/setback member on the 1-3-8 cant side requires

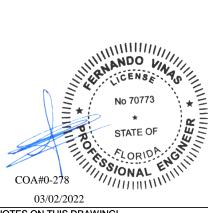
Sub-fascia beam assumptions: 6-3-8 sub-fascia beam on the 1-3-8 cantilever side. 6-3-8 sub-fascia beam on the 1-3-8 cantilever side.

Hipiack supports 6-6-0 setback jacks with 1-3-8 cantilever one face; 1-3-8 cantilever opposite face.

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

Additional Notes

The overall height of this truss excluding overhang is



03/02/2022

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

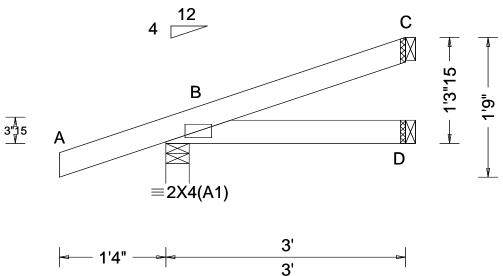
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SEQN: 75441 / JACK Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T31 / FROM: Qty: 2 DrwNo: 061.22.1523.13419 Truntz Truss Label: J02 KD / YK 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA	PP Deflection in loc L/defl L/# VERT(LL): NA
BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00	Risk Category: II EXP: C Kzt: NA	Lu: NA Cs: NA Snow Duration: NA	VERT(CL): NA HORZ(LL): 0.001 B HORZ(TL): 0.001 B
NCBCLL: 10.00 Soffit: 2.00	Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf	Building Code: FBC 7th Ed. 2020 Res.	Creep Factor: 2.0 Max TC CSI: 0.212
Load Duration: 1.25 Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any	TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0)	Max BC CSI: 0.061 Max Web CSI: 0.000
	GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): WAVE	VIEW Ver: 21.02.01.1216.15

▲ M	axim	ım Re	actions (II	os)		
	G	ravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	240	/-	/-	/166	/56	/48
D	48	/-	/-	/27	/-	/-
С	63	/-	/-	/33	/30	/-
Wind reactions based on MWFRS						
В	Brg V	Vid = 3	.5 Min F	Req = 1.5	5	
D	Brg V	Vid = 1	.5 Min F	Req = -		
С	Brg V	Vid = 1	.5 Min F	Req = -		
Bea	ring B	is a rig	gid surface).		
Mer	nbers	not list	ed have fo	orces les	s than	375#

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.



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SEQN: 422331 HIP_ Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T13 FROM: Qty: 1 DrwNo: 061.22.1527.33900 Truntz Truss Label: J02HJ KD / FV 03/02/2022 9'6"15 10'Q"3 5"4 9'6"15 ∥2.5X6 C D M В 3"10 F E ∥2.5X6 =2X4(A1) 9'6"15 — 1'9"15 —- 9'6"15

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.118 B 999 240	Loc R+ /R- /Rh /Rw /U /RL
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.226 B 526 180	B 526 /- /- /- /135 /-
10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.030 B	E 465 /- /- /- /364 /-
Dec I d: 40 00	EXP: C Kzt: NA Mean Height: 0.00 ft		HORZ(TL): 0.058 B	D - /-144 /- /302 /- /-
NCBCLL: 0.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	Wind reactions based on MWFRS
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.619	B Brg Wid = 4.9 Min Req = 1.5 E Bra Wid = 1.5
l	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.813	D Brg Wid = 1.5
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.451	Bearing B is a rigid surface.
	Loc. from endwall: NA	FT/RT:20(0)/10(0)		Members not listed have forces less than 375#
	GCpi: 0.18	Plate Type(s):		Maximum Web Forces Per Ply (lbs)
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	Webs Tens.Comp.
Lumber				C-F 404 -377

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

Loading

The following trusses need concentrated loads at the end of their overhangs: 4-0-0 span/setback member on the 1-4-0 cant side requires 56 lbs and the 4-0-0 span/setback member on the 1-4-0 cant side requires

Sub-fascia beam assumptions: 5-3-8 sub-fascia beam on the 1-4-0 cantilever side. 5-3-8 sub-fascia beam on the 1-4-0 cantilever side.

Hipiack supports 7-1-0 setback jacks with 1-4-0 cantilever one face; 1-4-0 cantilever opposite face.

Wind loads and reactions based on MWFRS.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is



03/02/2022

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

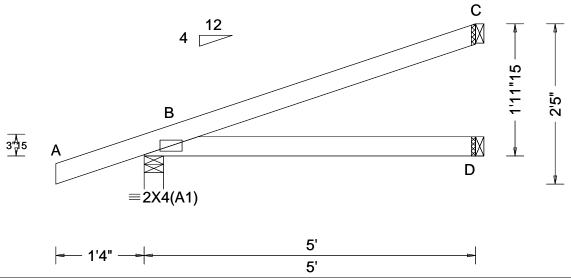
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SEQN: 75442 / **JACK** Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T8 / FROM: Qty: 2 DrwNo: 061.22.1523.13388 Truntz Truss Label: J03 KD / YK 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (Ib	s)
TCLL: 20.00 TCDL: 10.00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA	Gravity Loc R+ /R- /Rh B 310 /- /-	Non-Gravity / Rw / U / RL /208 /62 /71
10.00	Risk Category: II EXP: C Kzt: NA	Snow Duration: NA	HORZ(LL): 0.005 B HORZ(TL): 0.009 B	D 88 /- /- C 125 /- /-	/48 /- /- /69 /57 /-
NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	Mean Height: 15.00 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 GCpi: 0.18	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Creep Factor: 2.0 Max TC CSI: 0.300 Max BC CSI: 0.225 Max Web CSI: 0.000	Wind reactions based on M B Brg Wid = 3.5 Min Ro D Brg Wid = 1.5 Min Ro C Brg Wid = 1.5 Min Ro Bearing B is a rigid surface. Members not listed have for	eq = 1.5 eq = - eq = -
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15		
Lumbor				-	

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

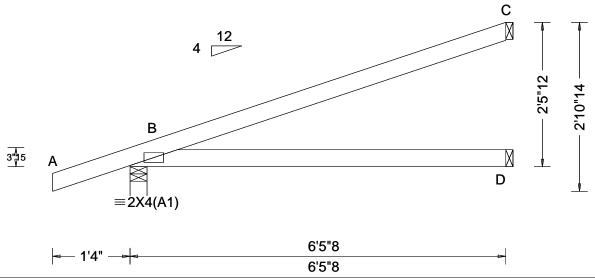
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SEQN: 75443 / **EJAC** Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T14 / FROM: Qty: 2 DrwNo: 061.22.1523.13920 Truntz Truss Label: J04 KD / YK 03/02/2022

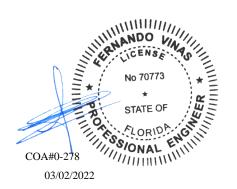


Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (lbs)	
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25		Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.012 B HORZ(TL): 0.023 B Creep Factor: 2.0 Max TC CSI: 0.566 Max BC CSI: 0.412 Max Web CSI: 0.000	Gravity Non-Gravity Non-Gravity R / R / R / R / V / V / V / V / V / V /	/ RL /88 /- /-

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

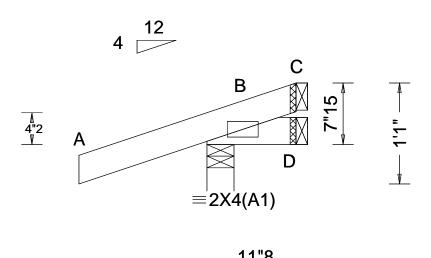
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SEQN: 75444 / JACK Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T16 / FROM: Qty: 2 DrwNo: 061.22.1523.13264 Truntz Truss Label: J05 KD / YK 03/02/2022



TCLL: 20.00 TCDL: 10.00 BCLL: 0.00	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 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 GCpi: 0.18	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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	DefI/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 D HORZ(TL): 0.000 D Creep Factor: 2.0 Max TC CSI: 0.223 Max BC CSI: 0.028 Max Web CSI: 0.000	Gravit Loc R+ /R B 228 /- D 3 /-15 C - /-45 Wind reactions B Brg Wid = D Brg Wid = C Brg Wid = Bearing B is a Members not I
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15]
Lumbor				

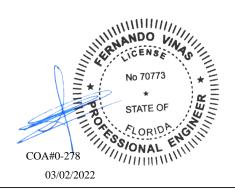
- 1'4"8

▲ Ma	aximu	ım Rea	ctions (II	os)		
	G	ravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
		/-	/-	/169	/91	/26
D :	3	/-15	/-	/17	/14	/-
c .	-	/-45	/-	/33	/39	/-
Wine	d reac	tions ba	ased on N	/WFRS		
В	Brg V	Vid = 3.	5 Min F	Req = 1.5	5	
D	Brg V	Vid = 1.	5 Min F	Req = -		
			5 Min F			
Bear	ring B	is a rigi	d surface	e		
	_	_	d have fo		s than	375#

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

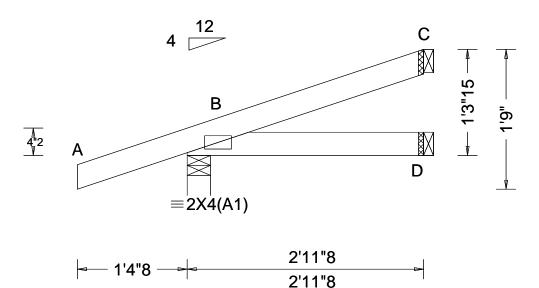
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 75445 / JACK Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T33 / FROM: Qty: 2 DrwNo: 061.22.1523.14013 Truntz Truss Label: J06 KD / YK 03/02/2022



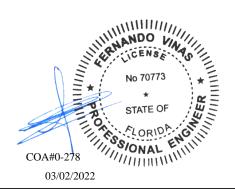
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 B
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.001 B
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.225
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.059
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15
Lumber	·	·	·

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 243 /-/168 /48 D 48 /-/26 /-61 /32 Wind reactions based on MWFRS Brg Wid = 3.5 Min Req = 1.5 Brg Wid = 1.5 Min Req = -Brg Wid = 1.5 Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375#

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.



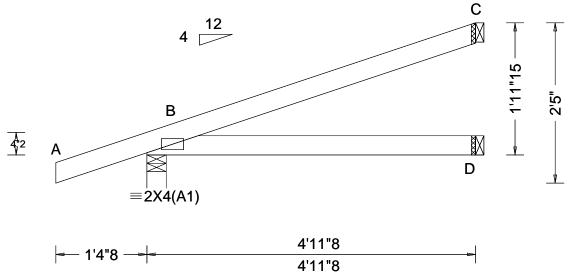
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SEQN: 75446 / JACK Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T48 / FROM: DrwNo: 061.22.1523.13467 Qty: 2 Truntz Truss Label: J07 KD / YK 03/02/2022



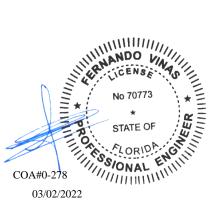
Loading Criteria (psf) Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs))
TCLL: 20.00 Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Loc R+ /R- /Rh	Non-Gravity / Rw / U / RL
TCDL: 10.00 Speed: 130 mph BCLL: 0.00 Enclosure: Closed BCDL: 10.00 Risk Category: II	Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	VERT(LL): NA VERT(CL): NA HORZ(LL): 0.004 B	B 312 /- /-	/210 /62 /71
Des Ld: 40.00 EXP: C Kzt: NA Mean Height: 15.00 ft	Building Code:	HORZ(TL): 0.004 B	D 87 /- /- C 124 /- /- Wind reactions based on MW	/48 /- /- /68 /57 /- /FRS
NCBCLL: 10.00 TCDL: 4.2 psf Soffit: 2.00 BCDL: 5.0 psf Load Duration: 1.25 MWFRS Parallel Dist: 0 to h	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.293 Max BC CSI: 0.221	B Brg Wid = 3.5 Min Red D Brg Wid = 1.5 Min Red	q = -
Load Duration: 1.25 Spacing: 24.0 " MWFRS Parallel Dist: 0 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.5	Rep Fac: Yes	Max Web CSI: 0.000	C Brg Wid = 1.5 Min Red Bearing B is a rigid surface. Members not listed have force	•
GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): WAVE	VIEW Ver: 21.02.01.1216.15	- wiembers not listed have ford	es iess uidii 3/3#

Lumber

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.



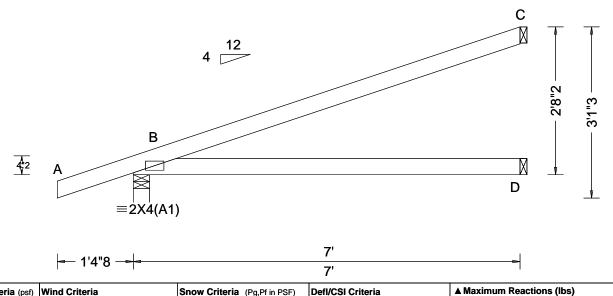
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SEQN: 75447 / **EJAC** Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T26 / FROM: Qty: 1 DrwNo: 061.22.1523.13857 Truntz Truss Label: J08 KD / YK 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-16	Pa: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc R+ /R- /Rh /Rw /U /RL
BCDL: 10.00	Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Lu: NA Cs: NA Snow Duration: NA	VERT(CL): NA HORZ(LL): 0.015 B	B 391 /- /- /258 /74 /95 D 127 /- /- /71 /- /-
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	Mean Height: 15.00 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 GCpi: 0.18	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	-HORZ(TL): 0.029 B	C 183 /- /- /102 /84 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15	
Lumber				=

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

LENANDO VIN No 70773 STATE OF IIII SSIONAL ORS FLUI COA#0-278 03/02/2022

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

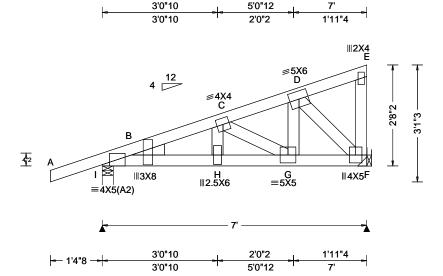
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6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 75455 / **EJAC** Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T10 FROM: Qty: 1 DrwNo: 061.22.1523.13216 Truntz Truss Label: J09 KD / YK 03/02/2022



BCLL: 0.00 Enclosure: Closed Lu: NA Cs: NA VERT(CL): 0.079 B 999 180 BCDL: 10.00 Risk Category: II Snow Duration: NA HORZ(LL): -0.011 E - Des Ld: 40.00 Mean Height: 15.00 ft HORZ(LL): -0.011 E - NCBCLL: 10.00 TCDL: 4.2 psf Building Code: Creep Factor: 2.0 Soffit: 2.00 BCDL: 5.0 psf FBC 7th Ed. 2020 Res. Max TC CSI: 0.553 Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 Max BC CSI: 0.675					_
TCDL: 10.00 Speed: 130 mph Pf: NA Ce: NA VERT(LL): 0.040 B 999 240 BCLL: 0.00 Enclosure: Closed Lu: NA Cs: NA VERT(CL): 0.079 B 999 180 BCDL: 10.00 Risk Category: II Snow Duration: NA HORZ(LL): -0.011 E - Des Ld: 40.00 Mean Height: 15.00 ft TCDL: 4.2 psf NCBCLL: 10.00 BCDL: 5.0 psf Building Code: Creep Factor: 2.0 Soffit: 2.00 BCDL: 5.0 psf FBC 7th Ed. 2020 Res. Max TC CSI: 0.553 Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 Max BC CSI: 0.675	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	1
BCLL: 0.00 Enclosure: Closed Lu: NA Cs: NA VERT(CL): 0.079 B 999 180 BCDL: 10.00 Risk Category: II Snow Duration: NA HORZ(LL): -0.011 E - Des Ld: 40.00 Mean Height: 15.00 ft HORZ(LL): -0.011 E - NCBCLL: 10.00 TCDL: 4.2 psf Building Code: Creep Factor: 2.0 Soffit: 2.00 BCDL: 5.0 psf FBC 7th Ed. 2020 Res. Max TC CSI: 0.553 Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 Max BC CSI: 0.675	TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
BCDL: 10.00	TCDL: 10.00		Pf: NA Ce: NA	VERT(LL): 0.040 B 999 240	L
EXP: C Kzt: NA HORZ(TL): 0.021 E	BCLL: 0.00		Lu: NA Cs: NA	VERT(CL): 0.079 B 999 180	ı
Des Ld: 40.00 Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.0 psf EDL: 5.0 psf TDI Std: 2014 Max BC CSI: 0.675 M	BCDL: 10.00		Snow Duration: NA	HORZ(LL): -0.011 E	F
NCBCLL: 10.00 TCDL: 4.2 psf Building Code: Creep Factor: 2.0 Soffit: 2.00 BCDL: 5.0 psf BCDL: 5.0 psf FBC 7th Ed. 2020 Res. Max TC CSI: 0.553 MWFRS Parallel Dist: 0 to h/2 TPI Std: 2014 Max BC CSI: 0.675	Des Ld: 40.00			HORZ(TL): 0.021 E	١
Soffit: 2.00 BCDL: 5.0 psf FBC 7th Ed. 2020 Res. Max TC CSI: 0.553 Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 TPI Std: 2014 Max BC CSI: 0.675	NCBCLL: 10.00		Building Code:	Creep Factor: 2.0	!
Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 TPI Std: 2014 Max BC CSI: 0.675	Soffit: 2.00	•	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.553	F
D F V h I d O M M 001- 0 700	Load Duration: 1.25		TPI Std: 2014	Max BC CSI: 0.675	ľ
Spacing: 24.0 " C&C Dist a: 3.00 ft Rep Fac: Varies by Ld Case Max Web CSI: 0.703	Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.703	ľ
Loc. from endwall: Any FT/RT:20(0)/10(0)		Loc. from endwall: Any	. , , ,		ľ
GCpi: 0.18 Plate Type(s):		GCpi: 0.18	Plate Type(s):] -
Wind Duration: 1.60 WAVE VIEW Ver: 21.02.01.1216.15		Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15] [

▲ M	axim	um Reac	tions (lbs)		
	(avity		No	on-Grav	/ity
Loc	R+	/ R-	/ Rh	/ Rw	/U	/ RL
1	2053	/-	/-	/-	/378	/-
F	1430	/-	/-	/-	/243	/-
Win	d rea	ctions bas	sed on	MWFRS		
1	Brg \	Nid = 3.5	Min	Req = 1.7	(Truss	s)
F	Brg \	Vid = -	Min	Req = -		
Bea	ring I	is a rigid	surface	э.		
Men	nbers	not listed	have	forces less	s than 3	375#
Maximum Top Chord Forces Per Ply (lbs)						
Cho	rds '	Tens.Con	np.	Chords	Tens.	Comp.
В-(0	543 - 32	225	C - D	296	- 1743

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP M-31; Webs: 2x4 SP #3; Lt Wedge: 2x4 SP #3;

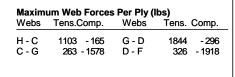
Special Loads

---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 61 plf at 31 plf at TC: From 3.06 -1.38 to 61 plf at 31 plf at TC: From 3.06 to 7.00 BC: From 4 plf at -1.38 to 4 plf at 0.00 BC: From 10 plf at 0.00 to 10 plf at BC: 1006 lb Conc. Load at 1.06 BC: 1005 lb Conc. Load at 3.06, 5.06

(J) Hanger Support Required, by others

Wind

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



Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens. Comp.

1388

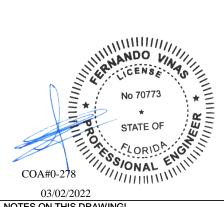
- 236

Chords Tens.Comp.

H - G

3084 - 515

2983 - 500



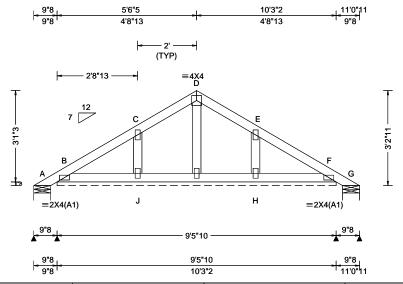
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SEQN: 75456 / GABL Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T57 / FROM: Qty: 1 DrwNo: 061.22.1523.12622 Truntz Truss Label: PB01 KD / YK 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Γ
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.001 B 999 240	!
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.003 B 999 180	١,
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 F	H
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 0.00 ft	Duitting Code	HORZ(TL): 0.002 B	9
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code: FBC 7th Ed. 2020 Res.	Creep Factor: 2.0 Max TC CSI: 0.281	ľ
Soffit: 2.00	BCDL: 2.0 psf	TPI Std: 2014	Max BC CSI: 0.281	Ì
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	Rep Fac: Varies by Ld Case	Max Web CSI: 0.116	ı
Spacing: 24.0 "	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)	Max Web CSI. 0.116	١
	Loc. from endwall: Any GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15	<u></u>

A N	laxim	um Rea	ctions (II	os), or *=	:PLF	
	G	avity		No	on-Gra	vity
Loc	: R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Α	-	/-18	/-	/99	/99	/173
В*	259	/-	/-	/87	/56	/-
G	-	/-18	/-	/13	/11	/-
В		/-139				
J		/-254				
Н		/-254				
F		/-140				
Wii	nd rea	ctions ba	ased on N	/WFRS		
Α	Brg V	Vid = 6.9	9 Min F	Req = 1.5	5	
В	Brg V	Vid = 11	3 Min F	Req = -		
G	Brg V	Vid = 6.9	9 Min F	Req = 1.5	(Trus	s)
Bea	arings	A, B, &	G are a ri	gid surfa	ce.	
Me	mbers	not liste	d have fo	rces les	s than	375#
Ma	ximun	n Web F	orces Pe	er Ply (lb	s)	

Webs

H-F

Tens. Comp.

- 525

250

Webs

C-J

Tens.Comp.

250 - 616

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 10.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

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

Wind

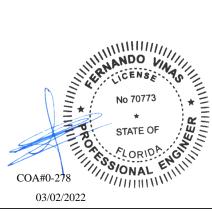
Wind loads based on MWFRS.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.



03/02/2022

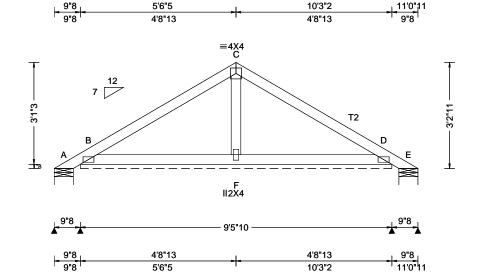
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SEQN: 75448 / GABL Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T54 / FROM: Qty: 8 DrwNo: 061.22.1523.13498 Truntz Truss Label: PB02 KD / YK 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Ī
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	l
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.005 B 999 240	l
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.014 B 999 180	l
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.003 B	l
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.009 B	l
NCBCLL: 10.00	Mean Height: 20.74 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	l
Soffit: 2.00	BCDL: 4.2 psi	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.960	l
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.325	l
Spacing: 24.0 "	C&C Dist a: 3.64 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.124	l
-	Loc. from endwall: not in 8.50 ft	FT/RT:20(0)/10(0)		l
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15	

	G	ravity		INC	n-Grav	rity
Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL
A	_	/-540	/-	/208	/309	/173
В*	358	/-	/-	/113	/53	/-
E	-	/-432	/-	/113	/209	/-
В		/-280				
D		/-239				
Wir	nd reac	tions bas	sed on M	WFRS		
Α			Min Re		;	
			B Min Re			
E	Brg W	/id = 6.9	Min Re	eq = 1.5	(Truss	s)
Bea	arings A	4, B, & E	are a rigi	id surfac	ce.	
Mei	mbers	not listed	I have for	ces less	than 3	75#
Max	ximum	Top Ch	ord Forc	es Per	Ply (lb:	s)
Cho	ords T	ens.Con	np. Cl	nords	Tens.	Comp.

C-D

- 553

214

▲ Maximum Reactions (lbs), or *=PLF

Maximum Web Forces Per Ply (lbs)

225 - 613

Webs Tens.Comp. C-F 32 - 557

B - C

Lumber

Top chord: 2x4 SP M-31; T2 2x4 SP #2;

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

Plating Notes

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

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 10.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

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

Wind

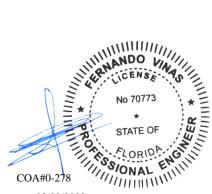
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -540# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions

Refer to DWG PB160160118 for piggyback details.



03/02/2022

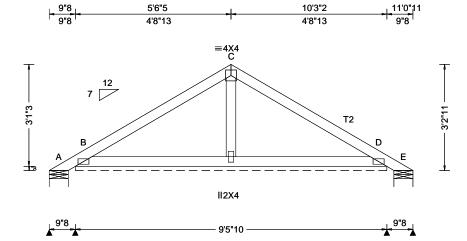
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 75457 / GABL Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T38 / FROM: Qty: 1 DrwNo: 061.22.1523.12748 Truntz Truss Label: PB03 KD / YK 03/02/2022



4'8"13

10'3"2

9"8

B - C

260 - 377

11'0"11

Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 20.74 ft TCDL: 4.2 psf BCDL: 2.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.56 ft Loc. from endwall: not in 9.00 ft	Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0)	DefI/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): -0.007 D 999 240 VERT(CL): 0.010 D 999 180 HORZ(LL): 0.006 D HORZ(TL): 0.007 D Creep Factor: 2.0 Max TC CSI: 0.653 Max BC CSI: 0.223 Max Web CSI: 0.032	
	Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	FT/RT:20(0)/10(0) Plate Type(s): WAVE	VIEW Ver: 21.02.01.1216.15	E E N

9"8

4'8"13

5'6"5

	▲ M	laxim	um Read	ctions (lbs), or *=	:PLF	
		(3ravity		No	on-Grav	vity
)	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
)	Α	-	/-322	/-	/256	/303	/167
	B*	233	/-	/-	/108	/140	/-
	Е	-	/-307	/-	/244	/206	/-
	В		/-304				
	D		/-264				
	Win	nd rea	ctions ba	sed on	MWFRS		
	Α	Brg \	Nid = 6.9) Min	Req = 1.5	5	
	В	Brg \	Nid = 11	3 Min	Req = -		
	Е	Brg \	Nid = 6.9) Min	Req = 1.5	(Trus	s)
_	Bea	arings	A, B, & E	are a ı	igid surfa	ce.	
	Mer	mbers	not liste	d have f	orces less	s than 3	375#
	Max	kimur	n Top Cl	nord Fo	rces Per	Ply (lb	s)
	Cho	ords	Tens.Cor	mp.	Chords	Tens.	Comp.

C-D

- 378

261

Lumber

Top chord: 2x4 SP M-31; T2 2x4 SP #2;

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

Plating Notes

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

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 10.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

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

Wind

Wind loads based on MWFRS.

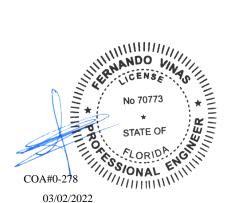
Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -322# MAX. from a non-wind load case requires uplift connection. See Maximum

See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.



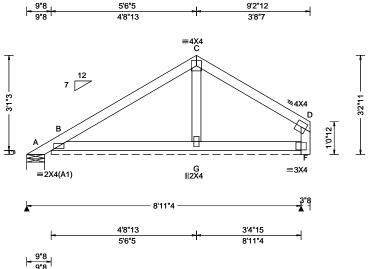
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SEQN: 75449 / GABL Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T22 FROM: Qty: 2 DrwNo: 061.22.1523.13139 Truntz Truss Label: PB04 KD / YK 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.005 B 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.014 B 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.003 B
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	EXP: C Kzt: NA Mean Height: 20.74 ft TCDL: 4.2 psf BCDL: 2.0 psf MWFRS Parallel Dist: h/2 to h	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014	HORZ(TL): 0.009 B Creep Factor: 2.0 Max TC CSI: 0.412 Max BC CSI: 0.240
Spacing: 24.0 "	C&C Dist a: 3.42 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s):	Max Web CSI: 0.183
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15

A IVI			ctions (II	bs), or *=		
	G	avity		No	on-Grav	∕ity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Α	-	/-543	/-	/212	/293	/161
В*	334	/-	/-	/116	/79	/-
В		/-263				
Win	d read	ctions ba	sed on N	/WFRS		
Α	Brg V	Vid = 6.9	Min F	Req = 1.5	5	
В	Brg V	Vid = 97	.7 Min F	Req = -		
Bea	rings	A & B ar	e a rigid	surface.		
Mer	nbers	not liste	d have fo	orces les	s than 3	375#
Max	imun	n Web F	orces P	er Ply (lb	s)	
	_	Tens.Co		- •	•	

Maximum Gable Forces Per Ply (lbs)

Lumber

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

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 10.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

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

Wind loads based on MWFRS with additional C&C

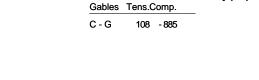
Right end vertical not exposed to wind pressure. Wind loading based on both gable and hip roof types.

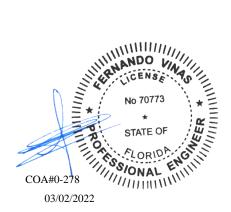
Additional Notes

Negative reaction(s) of -543# MAX. from a non-wind load case requires uplift connection. See Maximum

See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.





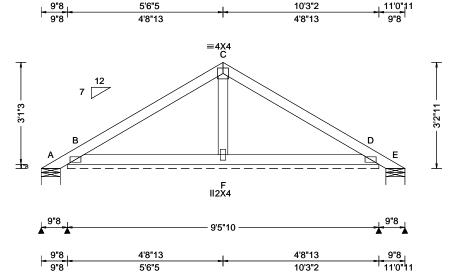
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SEQN: 75458 / MONO Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T29 / FROM: Qty: 1 DrwNo: 061.22.1523.14171 Truntz Truss Label: PB05 KD / YK 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.003 D 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.005 D 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.002 D
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.003 D
NCBCLL: 10.00	Mean Height: 20.74 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 4.2 psf BCDL: 2.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.244
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.103
Spacing: 24.0 "	C&C Dist a: 3.71 ft	Rep Fac: Yes	Max Web CSI: 0.032
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15
	•		•

	▲ N	laximu	ım Read	ctions (I	bs), or *=	:PLF	
		G	ravity		No	on-Grav	vity
0	Loc	: R+	/ R-	/ Rh	/ Rw	/ U	/ RL
0	Α	_	/-136	/-	/101	/157	/85
	В*	102	/-	/-	/66	/26	/-
.	Е	-	/-136	/-	/59	/115	/-
	В		/-142				
	D		/-122				
	Wir	nd read	tions ba	sed on I	MWFRS		
	Α	Brg V	Vid = 6.9	Min l	Req = 1.5	5	
		Brg V	Vid = 11:	3 Min l	Req = -		
	Е	Brg V	Vid = 6.9	Min l	Req = 1.5	(Trus	s)
	Bea	arings .	A, B, & E	are a r	igid surfa	ce.	
	Mei	mbers	not liste	d have f	orces less	s than 3	375#

Lumber

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

Plating Notes

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

Purlins

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

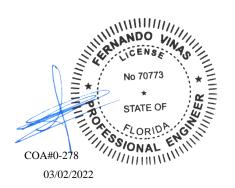
Wind

Wind loads based on MWFRS.

Wind loading based on both gable and hip roof types.

Additional Notes

Refer to DWG PB160160118 for piggyback details.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

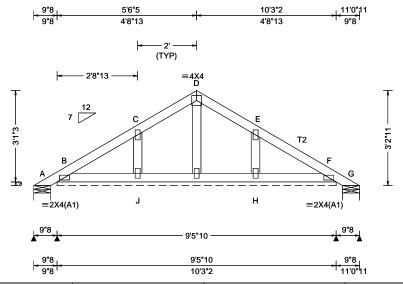
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A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

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

SEQN: 75450 / GABL Ply: 1 Job Number: 22-6958 Cust: R 215 JRef: 1Xdl2150012 T60 / FROM: Qty: 1 DrwNo: 061.22.1523.13889 Truntz Truss Label: PB06 KD / YK 03/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	4
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA		PP Deflection in loc L/defl L/# VERT(LL): 0.001 B 999 240 VERT(CL): 0.003 B 999 180 HORZ(LL): 0.001 F	L
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 20.74 ft TCDL: 4.2 psf BCDL: 2.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.55 ft Loc. from endwall: not in 17.00 ft GCpi: 0.18	TPI Std: 2014 Rep Fac: Varies by Ld Case	HORZ(TL): 0.002 B Creep Factor: 2.0 Max TC CSI: 0.238 Max BC CSI: 0.085 Max Web CSI: 0.111	G B J H F V A B
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15	ē

۸N	▲ Maximum Reactions (lbs), or *=PLF										
	Gravity Non-Gravity										
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL					
Α	-	/-23	/-	/100	/102	/173					
В*	252	/-	/-	/87	/52	/-					
G	-	/-18	/-	/12	/11	/-					
В		/-147									
J		/-248									
Н		/-254									
F		/-136									
Wii	nd read	ctions ba	sed on N	/WFRS							
Α	Brg V	Vid = 6.9	Min F	Req = 1.5	5						
В	Brg V	Vid = 11	3 Min F	Req = -							
G	Brg V	Vid = 6.9	Min F	Req = 1.5	(Trus	s)					
Bea	arings .	A, B, & (3 are a ri	igid surfa	ce.						
Me	mbers	not liste	d have fo	orces les	s than 3	375#					

Webs

H-F

Tens. Comp.

- 525

250

Maximum Web Forces Per Ply (lbs)

Tens.Comp.

246 - 590

Webs

C-J

Lumber

Top chord: 2x4 SP M-31; T2 2x4 SP #2;

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

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 10.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

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

Wind

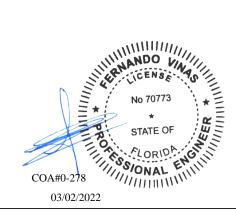
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.



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Gable Stud Reinforcement Detail

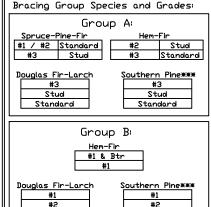
ASCE 7-16: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Dr: 120 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00

Dr: 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00

Or: 100 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure D. Kzt = 1.00

						· 100 (1p)	### OPCC	w, 10 11cu	· · ··c··g···v,·	w. v.w.,	100000, 27	(POSGI C D)	112 4 1100	
		2x4 Vertica	Brace	No	(1) 1×4 "L	Brace *	(1) 2×4 "L	" Brace *	(2) 2×4 L	Brace **	(1) 2×6 L	" Brace *	(2) 2×6 L	Brace **
_	Spacing	Species	Grade	Braces	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B
t 나		CDE	#1 / #2	4' 3"	7′ 3″	7′ 7″	8′ 7 ″	8′ 11″	10′ 3″	10′ 8″	13′ 6″	14′ 0″	14' 0"	14′ 0″
	1.7	SPF	#3	4′ 1″	6′ 7 ″	7′ 1″	8′ 6 ″	8′ 10 ″	10′ 1″	10′ 6″	13′ 4″	13′ 10″	14′ 0″	14′ 0″
$ \simeq $	Ų	HF	Stud	4′ 1″	6′ 7 ″	7′ 0 ″	8′ 6 ″	8′ 10 ″	10′ 1″	10′ 6″	13′ 4″	13′ 10″	14′ 0″	14′ 0″
>	0		Standard	4′ 1″	5′ 8 ″	6′ 0 ″	7′ 7″	8′ 1 ″	10′ 1″	10′ 6″	11′ 10″	12′ 8″	14′ 0″	14′ 0″
ا به ا			#1	4′ 6″	7′ 4″	7′ 8 ″	8′ 8 ″	9′ 0″	10′ 4″	10′ 9 ″	13′ 8 ″	14′ 0″	14′ 0″	14′ 0″
	*	SP	#2	4′ 3″	7′ 3″	7′ 7″	8′ 7 ″	8′ 11″	10′ 3″	10′ 8″	13′ 6″	14′ 0″	14′ 0″	14′ 0″
	4	l	#3	4′ 2″	6′ 0″	6′ 4″	7′ 11″	8′ 6 ″	10′ 2″	10′ 7″	12′ 5 ″	13′ 4″	14′ 0″	14′ 0″
	N	DFL	Stud	4′ 2″	6′ 0″	6′ 4″	7′ 11″	8′ 6 ″	10′ 2″	10′ 7″	12′ 5 ″	13′ 4″	14′ 0″	14′ 0″
ŭ	. –		Standard	4′ 0″	5′ 3 ″	5′ 7 ″	7′ 0 ″	7′ 6″	9′ 6″	10′ 2″	11′ 0″	11′ 10″	14′ 0″	14′ 0″
1.5		CDE	#1 / #2	4′ 11″	8′ 4″	8′ 8 ″	9′ 10″	10′ 3″	11′ 8″	12′ 2″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
+	-	SPF	#3	4′ 8″	8′ 1″	8′ 8 ″	9′ 8″	10′ 1″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
;	U	HF	Stud	4′ 8″	8′ 1″	8′ 6 ″	9′ 8″	10′ 1″	11′ 7″	12′ 1 ″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
l à l	סיַּט	1 11	Standard	4′ 8″	6′ 11″	7′ 5 ′	9′ 3 ″	9′ 11″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
1 ,			#1	5′ 1 ″	8′ 5 ″	8′ 9 ″	9′ 11″	10′ 4″	11′ 10″	12′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
/	*	SP	#2	4′ 11″	8′ 4″	8′ 8 ″	9′ 10″	10′ 3″	11′ 8″	12′ 2″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	l .'^	l	#3	4′ 9″	7′ 4″	7′ 9″	9′ 9″	10′ 2″	11′ 8″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
اسا	16	DFL	Stud	4′ 9″	7′ 4″	7′ 9 ″	9′ 9″	10′ 2″	11′ 8″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
			Standard	4′ 8″	6′ 5″	6′ 10 ″	8′ 7 ″	9′ 2 ′	11′ 7″	12′ 1″	13′ 6″	14′ 0″	14′ 0″	14′ 0″
		SPF	#1 / #2	5′ 5 ″	9′ 2″	9′ 6″	10′ 10 ″	11′ 3″	11′ 8″	13′ 5 ″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
O		722	#3	5′ 1 ″	9′ 0″	9′ 4″	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
0	\cup	HF	Stud	5′ 1 ″	9′ 0″	9′ 4″	10′ 8 ″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	Ō	1 11	Standard	5′ 1 ″	8′ 0 ″	8′ 6 ″	10′ 8″	11′ 1″	12′ 9 ″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
$ \times $			#1	5′ 8 ″	9′ 3″	9′ 8″	10′ 11″	11′ 4″	13′ 0″	13′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
8	*	SP	#2	5′ 5″	9′ 2″	9′ 6″	10′ 10″	11′ 3″	12′ 11″	13′ 5″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
ĺΣ	ù	_D _,	#3	5′ 3″	8′ 5 ″	9′ 0″	10′ 9″	11′ 2″	12′ 10″	13′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
_	1,	DFL	Stud	5′ 3″	8′ 5 ″	9′ 0″	10′ 9″	11′ 2″	12′ 10 ″	13′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
			Standard	5′ 1 ″	7′ 5″	7′ 11″	9′ 11″	10′ 7″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″



1x4 Braces shall be SRB (Stress-Rated Board) ***For 1x4 So. Pine use only Industrial 55 or Industrial 45 Stress-Rated Boards, Group B values may be used with these grades.

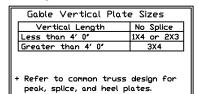
Gable Truss Detail Notes: Wind Load deflection criterion is L/240.

Provide uplift connections for 55 plf over continuous bearing (5 psf TC Dead Load).

Gable end supports load from 4' 0' outlookers with 2'0" overhang, or 12" plywood overhang.

Attach "L" braces with 10d (0.128"x3.0" min) nails. ¥ For (1) "L" brace: space nails at 2" o.c. in 18" end zones and 4" o.c. between zones. ₩₩For (2) "L" braces: space nails at 3" o.c. in 18" end zones and 6" o.c. between zones.

"L" bracing must be a minimum of 80% of web member length.



Refer to the Building Designer for conditions not addressed by this detail.

Gable Truss Diagonal brace option: vertical length may be doubled when diagonal brace is used. Connect diagonal brace for 450# at each end. Max web total length is 14'. 2x4 DF-L #2 or better diagonal brace; single Vertical length shown or double cut in table above. (as shown) at upper end. Connect diagonal at

"L" Brace End Zones, typ. € Refer to chart above for nex gable vertical length

VARNINGI 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 macing. 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 inless noted otherwise, top chord shall have properly attached structural sheathing and botton chord shall have a properly attached rigid celling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Applicable to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

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

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

chord webs face

D. STATL

ONAL

03/02/2022 No 70773 MAX, TOT, LD, 60 PSF

ASCE7-16-GAB14015 |DATE 01/26/2018 DRWG A14015ENC160118

MAX. SPACING 24.0"

514 Earth City Expressway Suite 242 Earth City, MO 63045

midpoint of vertical web.

Gable Stud Reinforcement Detail

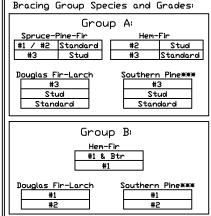
ASCE 7-16: 140 mph Wind Speed, 30' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Dr: 120 mph Wind Speed, 30' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00

Dr: 120 mph Wind Speed, 30' Mean Height, Enclosed, Exposure D, Kzt = 1.00

Or: 100 mph wind speed, 30' Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00

	2x4 Gable Ve		Brace	No	(1) 1×4 "L	Brace *	(1) 2×4 *L		(2) 2×4 *L		(1) 2×6 'L	* Brace *	(2) 2×6 *L	Brace *
\parallel $_{-}$	h	Species	Grade	-	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B
다 나		CDL	#1 / #2	4′ 1″	6′ 11″	7′ 2″	8′ 2″	8′ 6″	9′ 9″	10′ 2″	12′ 10″	13′ 4″	14′ 0″	14′ 0″
ˈo	Ū	SPF	#3	3′ 10″	6′ 2″	6′ 7 ″	8′ 1″	8′ 5 ″	9′ 8″	10′ 0 ″	12′ 8 ″	13′ 2″	14′ 0″	14′ 0″
II Z'	-	HF	Stud	3′ 10″	6′ 2″	6′ 6 ″	8′ 1″	8′ 5 ″	9′ 8″	10′ 0″	12′ 8 ″	13′ 2″	14′ 0″	14′ 0″
<		1 11	Standard	3′ 10″	5′ 3″	5′ 7 ″	7′ 0″	7′ 6″	9′ 6″	10′ 0″	11′ 0″	11′ 10″	14′ 0″	14′ 0″
به			#1	4′ 2″	7′ 0″	7′ 3 ″	8′ 3″	8′ 7″	9′ 10″	10′ 3″	13′ 0″	13′ 6″	14′ 0″	14′ 0″
-	*	SP	#2	4′ 1″	6′ 11″	7′ 2 ″	8′ 2 ″	8′ 6″	9′ 9″	10′ 2″	12′ 10″	13′ 4″	14′ 0″	14′ 0″
	4	L	#3	4′ 0″	5′ 7″	5′ 11″	7′ 5″	7′ 11″	9′ 8″	10′ 1″	11′ 7″	12′ 5″	14′ 0″	14′ 0″
d		IDFL	Stud	4′ 0″	5′ 7″	5′ 11″	7′ 5 ″	7′ 11″	9′ 8″	10′ 1″	11′ 7″	12′ 5″	14′ 0″	14′ 0″
$\Pi \cong$			Standard	3′ 9″	4′ 11″	5′ 13 ″	6′ 6″	7′ 0″	8′ 10 ″	9′ 6″	10′ 3″	11′ 0″	13′ 11″	14′ 0″
II . 🖰		SPF	#1 / #2	4′ 8″	7′ 11″	8′ 3 ″	9′ 4″	9′ 9″	11′ 2″	11′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
;;	l	U HF SP	#3	4′ 5″	7′ 6″	8′ 3 ″	9′ 3″	9′ 7″	11′ 0″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
			Stud	4′ 5 ″	7′ 6″	8′ 0 ″	9′ 3″	9′ 7″	11′ 0″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
ΠŒ	ا م		Standard	4′ 5 ″	6′ 5 ″	6′ 10 ″	8′ 7 ″	9′ 2″	11′ 0″	11′ 6″	13′ 6″	14′ 0″	14′ 0″	14′ 0″
~			#1	4′ 10″	8′ 0″	8′ 4″	9′ 6″	9′ 10″	11′ 3″	11′ 9″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
/	🔪		#2	4′ 8 ″	7′ 11″	8′ 3 ″	9′ 4″	9′ 9″	11′ 2″	11′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
			#3	4′ 7 ″	6′ 10″	7′ 3″	9′ 1″	9′ 8″	11′ 1″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
W	😛	DFL	Stud	4′ 7″	6′ 10″	7′ 3″	9′ 1″	9′ 8″	11′ 1″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
			Standard	4′ 5 ″	6′ 0″	6′ 5 ″	8′ 0″	8′ 7″	10′ 10″	11′ 6″	12′ 7″	13′ 15″	14′ 0″	14′ 0″
		SPF	#1 / #2	5′ 2 ″	8′ 9 ″	9′ 1″	10′ 4″	10′ 9″	11′ 2″	12′ 9″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
<u>ල</u>	l . .	SLL	#3	4′ 10″	8′ 7 ″	8′ 11″	10′ 2″	10′ 7″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
0	o U	HF	Stud	4′ 10″	8′ 7″	8′ 11″	10′ 2″	10′ 7″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	ا م	1 11	Standard	4′ 10″	7′ 5″	7′ 11″	9′ 11″	10′ 7″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
×	_		#1	5′ 4 ″	8′ 10 ″	9′ 2″	10′ 5″	10′ 10″	12′ 5″	12′ 11″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
ll a		SP	#2	5′ 2 ″	8′ 9″	9′ 1″	10′ 4″	10′ 9″	12′ 3″	12′ 9″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
MΩ	l à		#3	5′ 0 ″	7′ 10″	8′ 4″	10′ 3″	10′ 8″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	;;	DFL	Stud	5′ 0 ″	7′ 10″	8′ 4 ″	10′ 3″	10′ 8″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
			Standard	4′ 10″	6′ 11″	7′ 4″	9′ 3″	9′ 10″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
								Symr Abou	ις L					
l	ABOUT													



1x4 Braces shall be SRB (Stress-Rated Board) ***For 1x4 So. Pine use only Industrial 55 or Industrial 45 Stress-Rated Boards, Group B values may be used with these grades.

Gable Truss Detail Notes: Wind Load deflection criterion is L/240.

Provide uplift connections for 100 plf over continuous bearing (5 psf TC Dead Load).

Gable end supports load from 4' 0' outlookers with 2'0" overhang, or 12" plywood overhang.

Attach "L" braces with 10d (0.128"x3.0" min) nails. ★ For (1) "L" brace: space nails at 2" o.c. in 18" end zones and 4" o.c. between zones. ₩₩For (2) "L" braces: space nails at 3" o.c. in 18" end zones and 6" o.c. between zones.

"L" bracing must be a minimum of 80% of web member length.

Gable Vertical Plate	Sizes				
Vertical Length	No Splice				
Less than 4' 0"	2X4				
Greater than 4' 0", but less than 11' 6"	3X4				
Greater than 11' 6"	4X4				
+ Refer to common truss design for					

Refer to the Building Designer for conditions not addressed by this detail.

2x6 DF-L #2 or better diagonal brace; single Vertical length shown or double cut (as shown) at upper end. Connect diagonal at

Gable Truss

"L" Brace End Zones, typ. € Refer to chart above for nex gable vertical

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Refer to drawings 160A-Z for standard plate positions.

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

chord webs face D STATE STATE ON ALL STATE OF ALL STATE O No 70773 MAX, TOT, LD, 60 PSF

ASCE7-16-GAB14030 |DATE 01/26/2018

514 Earth City Expressway Suite 242 Earth City, MO 63045

Diagonal brace option:

vertical length may be doubled when diagonal

brace is used. Connect diagonal brace for 525# at each end. Max web

in table above.

midpoint of vertical web.

total length is 14'.

MAX. SPACING 24.0"

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

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

CLR Reinforcing Member Substitution

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

Notes:

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

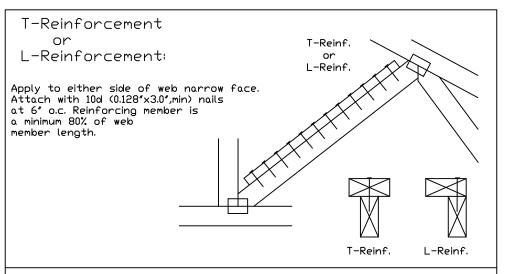
Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type.

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

Web Member	Specified CLR	Alternative Reir	
Size	Restraint	T- or L- Reinf.	
2x3 or 2x4	1 row	2×4	1-2×4
2x3 or 2x4	2 rows	2×6	2-2×4
2×6	1 row	2×4	1-2×6
2×6	2 rows	2×6	2-2×4(*)
2×8	1 row	2×6	1-2×8
2×8	2 rows		2-2×6(%)

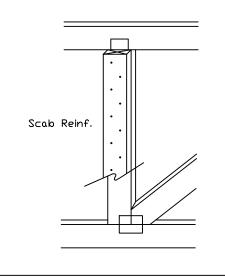
T-reinforcement, L-reinforcement, or scab reinforcement to be same species and grade or better than web member unless specified otherwise on Engineer's sealed design.

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



Scab Reinforcement:

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



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

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

No 70773 FC LL
TC DL
BC DL
BC LL
TOT. LD.
ON AL
COA#0-278 SPACING

William Contract

TC LL TC DL	PSF
C DL	PSF
BC DL	PSF
BC LL	PSF
TOT. LD.	PSF
DUR. FAC.	

REF CLR Subst.

DATE 01/02/19

DRWG BRCLBSUB0119

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.

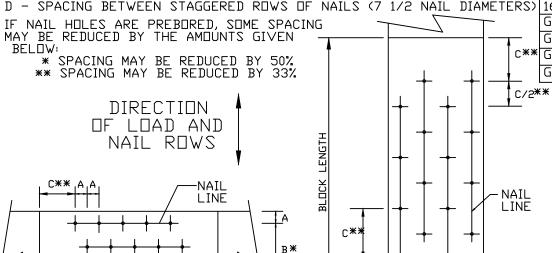
BLOCK LOCATION, SIZE, LENGTH, GRADE AND TOTAL NUMBER AND TYPE OF NAILS ARE TO BE SPECIFIED ON SEALED DESIGN REFERENCING THIS DETAIL.

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)



B/2*

TRUSS

MEMBER

Α

MINIMUM NAIL SPACING DISTANCES

	DIS	TANCES		
NAIL TYPE	Α	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 C□MM□N (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

BLOCK LENGTH

LOAD APPLIED PARALLEL TO GRAIN CENSON

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***INPLINIARY IMP LINKINSH HIS BRAWING TIL ALL CONTRACTICES INCLUDING THE INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and pracing. Refer to and follow the latest edition of BCSI (Bulding Component Safety Information, bey Fill 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 celling. Locations shown for pernament lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or BIO, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise.

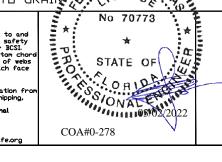
Refer to drawings 160A-Z for standard plate positions.

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



REF NAIL SPACE DATE 10/01/14 DRWG CNNAILSP1014

Camber may be built into trusses to compensate for the vertical deflection that results from the application of loads. Providing camber has the following advantages:

- Helps to ensure level ceilings and floors after dead loads are applied.
- Facilitates drainage to avoid ponding on flat or low slope roofs.
- Compensates for different deflection characteristics between adjacent trusses.
- Improves appearance of garage door headers and other long spans that can appear to "sag."
- Avoids "dips" in roof ridgelines at the transition from the gable to adjacent clear span trusses.

In accordance with ANSI/TPI 1 the Building Designer, through the Construction Documents, shall provide the location, direction, and magnitude of all loads attributable to ponding that may occur due to the design of the roof drainage system. The Building Designer shall also specify any dead load, live load, and in-service creep deflection criteria for flat or low-slope roofs subject to ponding loads.

The amount of camber is dependent on the truss type, span, loading, application, etceteras.

More restrictive limits for allowable deflection and slenderness ratio (L/D) may be required to help control vibration.

The following tables are provided as guidelines for limiting deflection and estimating camber. Conditions or codes may exist that require exceeding these recommendations, or past experience may warrant using more stringent limitations.

Commentary: Deflection and Camber

L = Span of Truss (inches)

D = Depth of Truss at Deflection Point (inches)

Recommended Truss Deflection Limits

<u>Truss Type</u>	L/D	<u>Deflection</u>	<u>Limits</u>
		<u>Live Load</u>	<u>Total Load</u>
Pitched Roof Trusses	24	L/240 (vertical)	L/180 (vertical)
Floor of Room-In-Attic Trusses	24	L/360 (vertical)	L/240 (vertical)
Flat or Shallow Pitched Roof Trusses	24	L/360 (vertical)	L/240 (vertical)
Residential Floor Trusses	24	L/360 (vertical)	L/240 (vertical)
Commercial Floor Trusses	20	L/480 (vertical)	L/240 (vertical)
Scissors Trusses	24	0.75" (horizontal)	1.25" (horizontal)

Truss Type	Recommended Camber
Pitched Trusses	1.00 x Deflection from Actual Dead Load
Sloping Parallel Chord Trusses	1.5 x Vertical Deflection from Actual Dead Load
loor Trusses	(0.25 x Deflection from Live Load) + Actual Dead Load

Flat Roof Trusses $(0.25 \times Deflection from Live Load) +$ (1.5 x Design Dead Load Deflection)

Note: The actual dead load may be considerably less than the design dead load.

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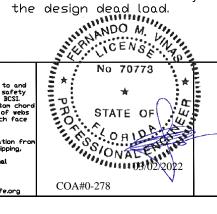
Refer to drawings 160A-Z for standard plate positions.

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

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



IREF DEFLEC/CAMB DATE 10/01/14 DRWG DEFLCAMB1014

Gable Detail For Let-in Verticals Gable Truss Plate Sizes Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs. (+) Refer to Engineered truss design for peak, splice, web, and heel plates. ₩If gable vertical plates overlap, use a single plate that covers the total area of the overlapped plates to span the web. Gable Example Length typ. (*)

Provide connections for uplift specified on the engineered truss design.

Attach each "T" reinforcing member with

End Driven Nails:

10d Common (0.148"x 3.", min) Nails at 4" o.c. plus

(4) nails in the top and bottom chords.

10d Common (0.148"x3".min) Toenails at 4" o.c. plus

(4) toenails in the top and bottom chords.

This detail to be used with the appropriate Alpine gable detail for ASCE wind load.

ASCE 7-05 Gable Detail Drawings

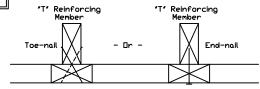
A13015051014, A12015051014, A11015051014, A10015051014, A14015051014, A13030051014, A12030051014, A11030051014, A10030051014, A14030051014

ASCE 7-10 & ASCE 7-16 Gable Detail Drawings

A11515ENC100118, A12015ENC100118, A14015ENC100118, A16015ENC100118, A18015ENC100118, A20015ENC100118, A20015END100118, A20015PED100118, A11530ENC100118, A12030ENC100118, A14030ENC100118, A16030ENC100118, A18030ENC100118, A20030ENC100118, A20030END100118, A20030PED100118, S11515ENC100118, S12015ENC100118, S14015ENC100118, S16015ENC100118,

\$18015ENC100118, \$20015ENC100118, \$20015END100118, \$20015PED100118, \$11530ENC100118, \$12030ENC100118, \$14030ENC100118, \$16030ENC100118, S11530ENC100118, S12030ENC100116, S17030ENC100116, S18030ENC100118, S20030ENC100118, S20030END100118, S20030ERQ100118, S20030

"T" Reinforcement Attachment Detail



To convert from "L" to "T" reinforcing members, multiply "T" increase by length (based on appropriate Alpine gable detail).

Maximum allowable "T" reinforced gable vertical length is 14' from top to bottom chord.

"T" reinforcing member material must match size, specie, and grade of the "L" reinforcing member.

Web Length Increase w/ "T" Brace

"T" Reinf.	"T"
Mbr. Size	Increase
2×4	30 %
2x6	20 %

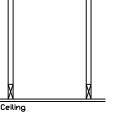
Example:

ASCE 7-10 Wind Speed = 120 mph Mean Roof Height = 30 ft, Kzt = 1.00 Gable Vertical = 24"o.c. SP #3

"T" Reinforcing Member Size = 2x4

"T" Brace Increase (From Above) = 30% = 1.30 (1) 2x4 "L" Brace Length = 8' 7"

Maximum "T" Reinforced Gable Vertical Length $1.30 \times 8' \ 7'' = 11' \ 2''$



Rigid Sheathing

4 Nails

Nails

Spaced At

4 Nails

Reinforcing Member

Gable

Truss

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

Trusses require extreme care in fabricating, shaping, shipping, installing and pracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, br PI 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 celling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise.

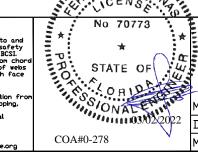
Refer to drawings 160A-Z for standard plate positions.

Alpine, a division of ITV Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, nstallation 8 bracing of trusses.

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REF LET-IN VERT DATE 01/02/2018 DRWG GBLLETIN0118

MAX. TOT. LD. 60 PSF

DUR. FAC. ANY MAX. SPACING 24.0"

Piggyback Detail - ASCE 7-16: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

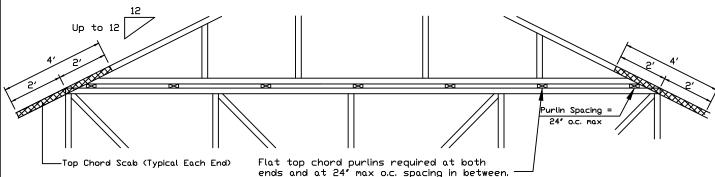
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0. Dr 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

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

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

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

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



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

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

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

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

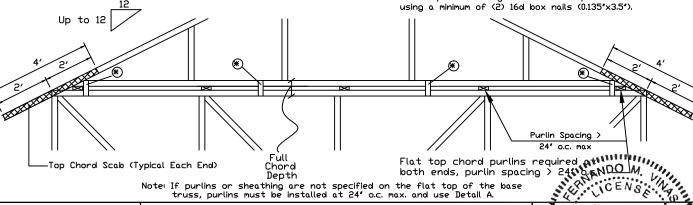
514 Earth City Expressway

Earth City, MO 63045

Suite 242

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

Attach purlin bracing to the flat top chord



Depth

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

Trusses require extreme care in fabricating, handling, shipping, installing and internacing. Refer to and follow the latest edition of BCSI (Buldling Component Safety Information, by FPI 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 botton chord shall have a properly attached rigid celling. Locations shown for pernanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or BIO, 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.

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

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

APA Rated Gusset

8'x8'x7'16' (min) APA rated sheathing gussets (each face). Attach @ 8' o.c. with (8) 6d common (0.13'x2') nalls per gusset, (4) in cap bottom chord and (4) in base truss top chord. Gussets may be staggered 4' o.c. front to back faces.

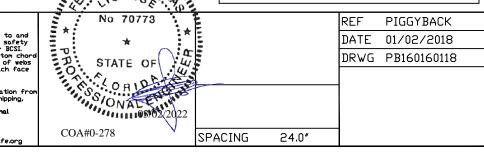
2x4 Vertical Scabs

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

28PB Wave Piggyback Plate

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

to back faces.



SPACING