



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

FL REG# 278, Yoonhwak Kim, FL PE #86367 Florida Certificate of Product Approval #FL 1999

07/20/2023

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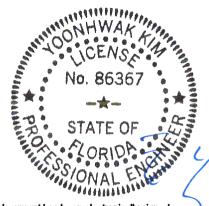
Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 23-9417
Job Description: Elfers	
Address:	

Job Engineering Criteria:				
Design Code: FBC 7th Ed. 2020 Res.	IntelliVIEW Version: 22.02.00			
	JRef #: 1XRI2150003			
Wind Standard: ASCE 7-16 Wind Speed (mph): 130	Design Loading (psf): 37.00			
Building Type: Closed				

This package contains general notes pages, 63 truss drawing(s) and 7 detail(s).

Item	Drawing Number	Truss
1	201.23.0740.12287	A01
3	201.23.0740.18553	A03
5	201.23.0740.34387	A05
7	201.23.0740.48180	A07
9	201.23.0741.03170	A09
11	201.23.0741.16053	A11
13	201.23.0741.46883	A13
15	201.23.0741.51433	A15
17	201.23.0741.56197	A17
19	201.23.0757.25003	A19
21	201.23.0757.52377	A21
23	201.23.0757.58363	B02
25	201.23.0758.04763	B04
27	201.23.0758.08793	B06
29	201.23.0759.40843	C01
31	201.23.0759.58970	C03
33	201.23.0800.34243	D01
35	201.23.0800.48000	FG01
37	201.23.0800.52713	G02
39	201.23.0802.31440	H01
41	201.23.0802.38637	HJ01
43	201.23.0803.05037	J01
45	201.23.0803.08237	J03
47	201.23.0803.11980	J05
49	201.23.0803.15997	J07

Item	Drawing Number	Truss
2	201.23.0740.15843	A02
4	201.23.0740.26050	A04
6	201.23.0740.41813	A06
8	201.23.0740.55563	A08
10	201.23.0741.09177	A10
12	201.23.0741.38303	A12
14	201.23.0741.49170	A14
16	201.23.0741.53860	A16
18	201.23.0757.22927	A18
20	201.23.0757.26640	A20
22	201.23.0757.54910	B01
24	201.23.0758.00043	B03
26	201.23.0758.06740	B05
28	201.23.0758.57467	B07
30	201.23.0759.48653	C02
32	201.23.0800.17267	C04
34	201.23.0800.36027	D02
36	201.23.0800.49980	G01
38	201.23.0802.29513	G03
40	201.23.0802.33027	H02
42	201.23.0803.02060	HJ02
44	201.23.0803.06503	J02
46	201.23.0803.10400	J04
48	201.23.0803.13773	J06
50	201.23.0803.17970	J08





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Site Information:	Page 2:	
Customer: W. B. Howland Company, Inc.	Job Number: 23-9417	
Job Description: Elfers		
Address:		

Item	Drawing Number	Truss
51	201.23.0803.24673	J09
53	201.23.0803.41710	M02
55	201.23.0804.23953	M04
57	201.23.0804.29263	PB01
59	201.23.0805.00323	PB03
61	201.23.0805.04947	V02
63	201.23.0805.10113	V04
65	A14030ENC160118	
67	A14015ENC160118	
69	VAL180160118	

Item	Drawing Number	Truss
52	201.23.0803.26753	M01
54	201.23.0804.12040	M03
56	201.23.0804.26143	M05
58	201.23.0804.31227	PB02
60	201.23.0805.02747	V01
62	201.23.0805.06343	V03
64	BRCLBSUB0119	
66	GBLLETIN0118	
68	PB160160118	
70	VALTN160118	

General Notes

Truss Design Engineer Scope of Work, Design Assumptions and Design Responsibilities:

The design responsibilities assumed in the preparation of these design drawings are those specified in ANSI/TPI 1, Chapter 2; and the National Design Standard for Metal Plate Connected Wood Truss Construction, by the Truss Plate Institute. The truss component designs conform to the applicable provisions of ANSI/TPI 1 and NDS, the National Design Specification for Wood Construction by AWC. The truss component designs are based on the specified loading and dimension information furnished by others to the Truss Design Engineer. The Truss Design Engineer has no duty to independently verify the accuracy or completeness of the information provided by others and may rely on that information without liability. The responsibility for verification of that information remains with others neither employed nor controlled by the Truss Design Engineer. The Truss Design Engineer's seal and signature on the attached drawings, or cover page listing these drawings, indicates acceptance of professional engineering responsibility solely for the truss component designs and not for the technical information furnished by others which technical information and consequences thereof remain their sole responsibility.

The suitability and use of these drawings for any particular structure is the responsibility of the Building Designer in accordance with ANSI/TPI 1 Chapter 2. The Building Designer is responsible for determining that the dimensions and loads for each truss component match those required by the plans and by the actual use of the individual component, and for ascertaining that the loads shown on the drawings meet or exceed applicable building code requirements and any additional factors required in the particular application. Truss components using metal connector plates with integral teeth shall not be placed in environments that will cause the moisture content of the wood in which plates are embedded to exceed 19% and/or cause corrosion of connector plates and other metal fasteners.

The Truss Design Engineer shall not be responsible for items beyond the specific scope of the agreed contracted work set forth herein, including but not limited to: verifying the dimensions of the truss component, calculation of any of the truss component design loads, inspection of the truss components before or after installation, the design of temporary or permanent bracing and their attachment required in the roof and/or floor systems, the design of diaphragms or shear walls, the design of load transfer connections to and from diaphragms and shear walls, the design of load transfer to the foundation, the design of connections for truss components to their bearing supports, the design of the bearing supports, installation of the truss components, observation of the truss component installation process, review of truss assembly procedures, sequencing of the truss component installation, construction means and methods, site and/or worker safety in the installation of the truss components and/or its connections.

This document may be a high quality facsimile of the original engineering document which is a digitally signed electronic file with third party authentication. A wet or embossed seal copy of this engineering document is available upon request.

Temporary Lateral Restraint and Bracing:

Temporary lateral restraint and diagonal bracing shall be installed according to the provisions of BCSI chapters B1, B2, B7 and/or B10 (Building Component Safety Information, by TPI and SBCA), or as specified by the Building Designer or other Registered Design Professional. The required locations for lateral restraint and/or bracing depicted on these drawings are only for the permanent lateral support of the truss members to reduce buckling lengths, and do not apply to and may not be relied upon for the temporary stability of the truss components during their installation.

Permanent Lateral Restraint and Bracing:

The required locations for lateral restraint or bracing depicted on these drawings are for the permanent lateral support of the truss members to reduce buckling lengths. Permanent lateral support shall be installed according to the provisions of BCSI chapters B3, B7 and/or B10, or as specified by the Building Designer or other Registered Design Professional. These drawings do not depict or specify installation/erection bracing, wind bracing, portal bracing or similar building stability bracing which are parts of the overall building design to be specified, designed, and detailed by the Building Designer.

Connector Plate Information:

Alpine connector plates are made of ASTM A653 or ASTM A1063 galvanized steel with the following designations, gauges and grades: W=Wave, 20ga, grade 40; H=High Strength, 20ga, grade 60; S=Super Strength, 18ga, grade 60. Information on model code compliance is contained in the ICC Evaluation Service report ESR-1118, available on-line at www.icc-es.org.

Fire Retardant Treated Lumber:

Fire retardant treated lumber must be properly re-dried and maintained below 19% or less moisture level through all stages of construction and usage. Fire retardant treated lumber may be more brittle than untreated lumber. Special handling care must be taken to prevent breakage during all handling activities.

General Notes (continued)

Key to Terms:

Information provided on drawings reflects a summary of the pertinent information required for the truss design. Detailed information on load cases, reactions, member lengths, forces and members requiring permanent lateral support may be found in calculation sheets available upon written request.

BCDL = Bottom Chord standard design Dead Load in pounds per square foot.

BCLL = Bottom Chord standard design Live Load in pounds per square foot.

CL = Certified lumber.

Des Ld = total of TCLL, TCDL, BCLL and BCDL Design Load in pounds per square foot.

FRT = Fire Retardant Treated lumber.

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

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

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

FRT-PR = ProWood Fire Retardant Treated lumber.

g = green lumber.

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

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

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

Ic = Incised lumber.

FJ = Finger Jointed lumber.

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

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

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

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

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

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

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

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

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

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

PP = Panel Point.

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

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

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

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

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

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

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

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

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

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

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

VERT(TL) = maximum Vertical panel point long term deflection in inches due to Total load, including creep adjustment. W = Width of non-hanger bearing, in inches.

Refer to ASCE-7 for Wind and Seismic abbreviations.

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

References:

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

SEQN: 466030 COMN Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T24 FROM: CDM Elfers DrwNo: 201.23.0740.12287 Qty: 4 Truss Label: A01 KD / YK 07/20/2023 6'6"4 12'4"10 18'3"1 24'1"8 29'11"15 35'10"6 41'8"12 48'3" 6'6"4 5'10"7 5'10"7 5'10"7 5'10"7 5'10"7 5'10"7 6'6"4 Bracing ≥3X5 _ G [≷]6X8 H 10'4"11 /// 2X4 ______ ≡5X6 Q ≡5X6 P ≡3X4 =6X8 N ∥4X6 =3X5(A1) ≡3X4 3X6(A1) 12'6" 35'9"

7'9"14

31'11"6

3'10"15

35'10"6

3'10"15

39'9"5

7'9"14

24'1"8

Loading Criteria (psf) Wind Criteria Snow Crit		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: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.159 D 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.281 D 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.048 N
Des Ld: 37.00	EXP: C Kzt: NA Mean Height: 15.05 ft		HORZ(TL): 0.086 N
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.615
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.803
Spacing: 24.0 "	C&C Dist a: 4.83 ft	Rep Fac: Yes	Max Web CSI: 0.688
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12
Lumber			

7'9"14

16'3"10

		G	ravity	No	n-Grav	vity	
)	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ F
)	В	1420	/-	/-	/799	/160	/2
	М	2508	/-	/-	/1103	/184	/-
	J	332	/-97	/-	/244	/115	/-
	Wir	nd read	tions b	oased on M	IWFRS		
	В	Brg V	/id = 6	6.0 Min R	eq = 1.7	(Truss	3)

▲ Maximum Reactions (lbs)

SS) Brg Wid = 6.0 Min Req = 3.0 Brg Wid = 6.0 Min Req = 1.5

8'5"11

48'3'

1'6"

/RL /293 /-/-

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

B - C	309 - 2782	F-G	168	- 1101
C - D	301 - 2584	H - I	688	- 132
D - E	230 - 1897	I - J	629	- 165
E-F	157 - 1100			

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

Top chord: 2x4 SP #2;

(a) Continuous lateral restraint equally spaced on

8'5"11

8'5"11

Loading

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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

THIS TRUSS MUST BE INSTALLED AS SHOWN AND NOT END FOR END.

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chords Tens. Comp. B-Q 2512 - 414 N - M 148 - 906 Q - P 2037 - 303 M - I 146 - 879 P - 0 1520 - 196 125 - 556 L-J O - N 545

Maximum Web Forces Per Ply (lbs)

vvebs	rens.c	omp.	webs	i ens.	Comp.
Q - D	505	- 63	O - G	707	- 117
D - P	149	- 563	G - N	133	- 1229
P - E	721	-74	N - H	1805	- 110
E - O	193	- 918	M - H	194	- 2499
F-O	480	- 51	H-L	570	- 75

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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have 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: 466031 COMN Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T35 FROM: CDM DrwNo: 201.23.0740.15843 Qty: 1 Truss Label: A02 KD / YK 07/20/2023 6'6"4 12'4"10 18'3"1 24'1"8 29'11"15 35'10"6 41'8"12 48'3" 6'6"4 5'10"7 5'10"7 5'10"7 5'10"7 5'10"7 5'10"7 6'6"4 Bracing [≷]3X5 ✓ G [≷]6X8 ∼ H P ≡5X6 ____O ≡3X4 N ≡6X8 M ≡4X5 K ≡3X4 3X6(A1) \equiv 2.5X6(A1) =5Xคื 35'9" 12'6" 8'5"11 7'9"14 7'9"14 7'9"14 3'10"15₁ 3'10"15 8'5"11 8'5"11 16'3"10 24'1"8 31'11"6 35'10"6 39'9"5 48'3'

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 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: 15.05 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 4.83 ft Loc. from endwall: not in 13.00 ft 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: Yes	PP Deflection in loc L/defl L/# VERT(LL): 0.135 D 999 240 VERT(CL): 0.254 D 999 180 HORZ(LL): 0.040 M HORZ(TL): 0.077 M Creep Factor: 2.0 Max TC CSI: 0.617 Max BC CSI: 0.784 Max Web CSI: 0.586 VIEW Ver: 22.02.00.0914.12	Gravity Loc R+ /R- /Rh /
Lumber				P. C. 207 2577 F. C

Wind reactions based on MWFRS Brg Wid = 6.0 Min Req = 1.6 (Truss) Brg Wid = 6.0Min Req = 2.7 Brg Wid = 6.0 Min Reg = 1.5 Bearings B, L, & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chords Tens. Comp. F-G B - C - 948 307 - 2577 166

Non-Gravity

/159

/281

/-

/Rw /U

/1108 /188

/800

/168 /97

C-D 299 - 2378 H - I 593 - 141 D-E 228 - 1669 534 - 191 I - J F-F 155 - 947

Bracing

Top chord: 2x4 SP #2;

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

(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.

The overall height of this truss excluding overhang is 10-4-11.

Maximum Bot Chord Forces Per Ply (lbs)

Cilolus	Tello.C	onip.	Cilolus	i ciio. V	Jonnp.
B - P P - O	2322	- 395 - 284	M - L L - K	133 131	- 807 - 783
O - N N - M		- 176 0	K-J	155	

Maximum Web Forces Per Ply (lbs)

				. 0	• • · · · · · · · ·
P - D	510	- 63	N - G	622	- 117
D - O	149	- 573	G - M	135	- 1130
O - E	630	- 74	M - H	1539	- 114
E - N	193	- 842	L-H	198	- 2225
F-N	405	- 49	H - K	583	- 80

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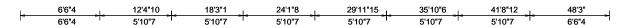
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

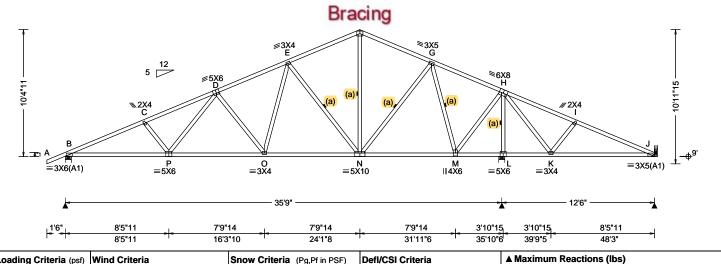
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have 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: 466032 COMN Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T67 FROM: CDM Qty: 2 DrwNo: 201.23.0740.18553 Truss Label: A03 KD / YK 07/20/2023





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximu
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	G
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.158 D 999 240	Loc R+
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.281 D 999 180	B 1420
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.048 M	L 2512
Des Ld: 37.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.085 M	J 238
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	Wind read
Soffit: 2.00	BCDL: 4.2 psi	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.641	B Brg V
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.803	L Brg W J Brg W
Spacing: 24.0 "	C&C Dist a: 4.83 ft	Rep Fac: Yes	Max Web CSI: 0.687	Bearings I
	Loc. from endwall: not in 13.00 ft			Members
	GCpi: 0.18	Plate Type(s):		Maximum
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12	Chords T
Lumber				

В	1420	/-	/-	/799	/158	/281	
L	2512	/-	/-	/1112	/237	/-	
J	238	/-128	/-	/165	/97	/-	
Wi	nd read	tions ba	sed or	MWFRS			
В	Brg V	/id = 6.0) Mir	n Req = 1.7	7 (Truss	s)	
L	Brg V	/id = 6.0) Mir	n Req = 3.0)		
J	Brg V	/id = -	Mir	Req = -			
Ве	Bearings B & L are a rigid surface.						
Members not listed have forces less than 375#							
Maximum Top Chord Forces Per Ply (lbs)							
Ch	ords T	ens.Co	mp.	Chords	Tens.	Comp.	

Rh

Non-Gravity

/RL

/Rw /U

B - C - 1101 306 - 2782 183 C-D 298 - 2583 H - I 685 - 140 D - E - 175 228 - 1896 I - J 625

Gravity

/R

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2:

Webs: 2x4 SP #3;

(J) Hanger Support Required, by others

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.

The overall height of this truss excluding overhang is 10-4-11.

E-F	183 - 1100	
Maximu	m Bot Chord Forces Per Ply (lbs)	

Chords	Tens.Comp.		Chords	Tens. (Comp.
B - P	2511	- 394	M - L	148	- 902
P - O	2036	- 284	L-K	145	- 875
O - N	1519	- 176	K - J	154	- 552
N - M	545	0			

Maximum Web Forces Per Ply (lbs)

webs	Tens.c	omp.	webs	i ens.	Comp.
P-D	505	-63	N - G	705	- 116
D - O	149	- 563	G - M	135	- 1228
O - E	721	- 74	M - H	1804	- 113
E - N	193	- 918	L-H	247	- 2507
F-N	480	- 55	H - K	593	- 80

FL REG# 278, Yoonhwak Kim, FL PE #86367 Flori 20/20/2013 icate of Product Approval #FL 1999

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SEQN: 466033 HIPS Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T23 FROM: CDM Qty: 1 DrwNo: 201.23.0740.26050 Truss Label: A04 KD / YK 07/20/2023 6'2"14 11'9"14 17'4"15 30'10"1 36'5"2 42'0"2 48'3" 6'2"14 5'7"1 5'7"1 5'7"1 5'7"1 5'7"1 6'2"14 Bracing ≷3X5 _ H **≋6**X8 9'11"1 /// 2X4 N^E1 ≡5X6 R ≡3X4 Q P ≡5X6 ≡3X8 0 ∥4X5 $\equiv 3X4$ ≅3X6(A1) =3X5(A1) S ≡5X6 35'9' 12'6" 1'6" 2'3" 8'1"3 7'5"6 7'5"6 7'5"6 3'0"10 4'4"13 8'1"3 25'3 8'1"3 15'6"10 23' 32'8"6 35'9" 40'1"13 48'3'

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: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.140 D 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.262 D 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.040 O
Des Ld: 37.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.077 O
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.520
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.732
Spacing: 24.0 "	C&C Dist a: 4.83 ft	Rep Fac: Yes	Max Web CSI: 0.634
	Loc. from endwall: not in 13.00 ft		
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12
Lumbor			

▲ M	▲ Maximum Reactions (lbs)						
	G	ravity		No	n-Grav	rity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
В	1340	/-	/-	/803	/163	/281	
N	2243	/-	/-	/1093	/187	/-	
K	378	/-37	/-	/256	/114	/-	
Win	d reac	tions bas	sed on MV	VFRS			
В	Brg W	/id = 6.0	Min Re	q = 1.6	(Truss	:)	
N	Brg W	/id = 6.0	Min Re	q = 2.6	,	-	
K	Brg W	/id = 6.0	Min Re	q = 1.5	i		
Bearings B, N, & K are a rigid surface.							
Members not listed have forces less than 375#							
Maximum Top Chord Forces Per Ply (lbs)							
Cho	Chords Tens.Comp. Chords Tens.Comp.						

Lumbei

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

Bracing

(a) Continuous lateral restraint equally spaced on

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

Wind

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

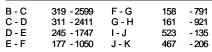
Wind loading based on both gable and hip roof types.

Additional Notes

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The overall height of this truss excluding overhang is

THIS TRUSS MUST BE INSTALLED AS SHOWN AND NOT END FOR END.



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens.	Comp.
B-S	2345	- 412	O - N	161	- 1015
S - R	1889	- 309	N - M	137	- 690
R - Q	1413	- 206	M - K	147	- 408
O - P	QO.R	- 96			

Maximum Web Forces Per Ply (lbs)

webs	Tens.C	omp.	webs	i ens.	Comp.
S-D	475	- 59	P - H	727	- 98
D-R	142	- 542	H - O	142	- 1246
R-E	609	- 69	O - I	1665	- 120
E - Q	179	- 822	N - I	196	- 2218
F-Q	716	- 113	I - M	532	- 69
F-P	164	- 564			

FL REG# 278, Yoonhwak Kim, FL PE #86367 Flor 2020 Ficate of Product Approval #FL 1999

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SEQN: 466034 HIPS Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T22 FROM: CDM Qty: 1 DrwNo: 201.23.0740.34387 Truss Label: A05 KD / YK 07/20/2023 7'5"3 14'2"10 21' 34'0"6 40'9"13 48'3" 6'3' 7'5"3 6'9"6 6'9"6 6'9"6 6'9"6 7'5"3 Bracing /3X4 D 5 12 [≷]6X8 **≷5X6** √ H 5X€ М ≡5X6 =5X6 N ≡4X8 =3X5(A1) P ≡3X4 K ∥2X4 =3X6(A1) =5X6 **∥2X4** 35'9" 12'6" 1'6" 6'9"6 1'8"10 6'9"6 6'9"6 6'3" 7'5"3 5'0"13 7'5"3 7'5"3 14'2"10 21' 27'3' 34'0"6 35'9" 40'9"13 48'3" ▲ Maximum Reactions (lbs)

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: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.132 P 999 240			
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.248 P 999 180			
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.042 N			
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.080 N			
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0			
Soffit: 2.00	BCDL: 3.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.664			
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.661			
Spacing: 24.0 "	C&C Dist a: 4.83 ft	Rep Fac: Yes	Max Web CSI: 0.678			
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)				
	GCpi: 0.18	Plate Type(s):				
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12			

Non-Gravity Gravity Loc R+ /Rh /Rw /U В

1325 /797 /168 /259 2276 /-/-/1113 /190 365 /-71 /241 /122 Wind reactions based on MWFRS

Brg Wid = 6.0 Min Req = 1.6 (Truss) Brg Wid = 6.0Min Req = 2.7

Brg Wid = 6.0 Min Req = 1.5 Bearings B, L, & 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	315 - 2527	F-G	146	- 805
C - D	261 - 1901	G-H	981	- 71
D - E	204 - 1232	H-I	564	- 158

Lumber

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

(a) Continuous lateral restraint equally spaced on

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

Wind

Wind loads based on MWFRS with additional C&C

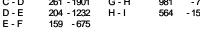
Wind loading based on both gable and hip roof types.

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.

The overall height of this truss excluding overhang is

THIS TRUSS MUST BE INSTALLED AS SHOWN AND NOT END FOR END.

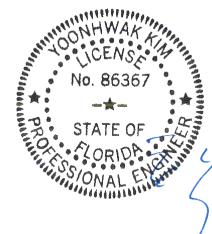


Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	Comp.	Chords	Tens. (Comp.
B - Q	2268	- 375	O - N	1069	- 121
Q - P	2264	- 376	L-K	125	- 501
P - O	1673	- 249	K - I	127	- 497

Maximum Web Forces Per Ply (lbs)

webs	rens.comp.		webs	rens.	Comp.
C - P	141	- 639	E-N	149	- 707
P - D	482	- 19	N - G	1249	- 115
D - O	172	- 811	G-L	160	- 1960
E - O	666	-77	L-H	135	- 650
E - O	666	-77	L-H	135	- 650



FL REG# 278, Yoonhwak Kim, FL PE #86367 Flor 2000 Ficate of Product Approval #FL 1999

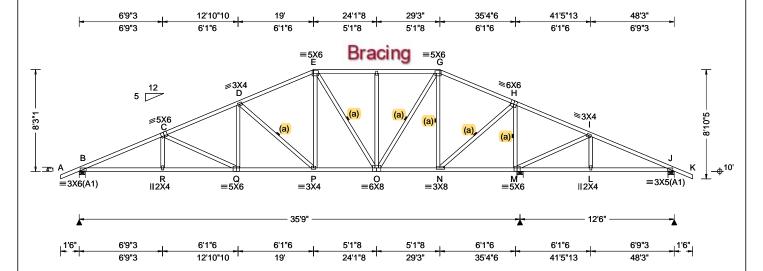
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SEQN: 466035 HIPS Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T21 FROM: CDM DrwNo: 201.23.0740.41813 Qty: 1 Elfers Truss Label: A06 KD / YK 07/20/2023



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: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.135 Q 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.253 Q 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.041 N
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.078 N
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: 0.582
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.614
Spacing: 24.0 "	C&C Dist a: 4.83 ft	Rep Fac: Yes	Max Web CSI: 0.584
' "	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12
Lumber			

Loc	: R+	/ R-	/Rh	/Rw	/U	/ RL	
В	1318	/-	/-	/791	/171	/237	
М	2274	/-	/-	/1117	/199	/-	
J	366	/-55	/-	/242	/118	/-	
Wir	nd read	tions ba	sed on MV	VFRS			
В	Brg V	/id = 6.0	Min Re	q = 1.6	(Truss	s)	
М	Brg V	/id = 6.0	Min Re	q = 2.7	•		
J	Brg V	/id = 6.0	Min Re	q = 1.5	;		
Bea	Bearings B, M, & J are a rigid surface.						
Members not listed have forces less than 375#							
Maximum Top Chord Forces Per Ply (lbs)							
Cho	ords T	ens.Cor	np. Ch	nords	Tens.	Comp.	

Non-Gravity

▲ Maximum Reactions (lbs)

Gravity

B - C 326 - 2537 F-G 188 - 968 C-D 281 - 1992 G-H 133 - 578 D-E 229 - 1393 H - I 931 -67 F-F 188 - 968 495 - 180

Top chord: 2x4 SP #2;

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

(a) Continuous lateral restraint equally spaced on

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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

THIS TRUSS MUST BE INSTALLED AS SHOWN AND NOT END FOR END.

No. 86367 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - R 2282 - 364 O - N 476 -23 R - Q 2278 - 365 N - M 128 -722 Q - P 1764 - 253 M - L 117 - 440 P - O 1223 - 137 118 - 435

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. C-Q 124 - 556 0 - G 930 - 133 Q-D 429 - 17 G-N 126 -910 D-P 156 - 728 N-H 1534 - 136 E-P H - M - 1870 606 - 70 191 E - O 111 - 491 M - I 133 - 657

FL REG# 278, Yoonhwak Kim, FL PE #86367 Flori 20/2020 ficate of Product Approval #FL 1999

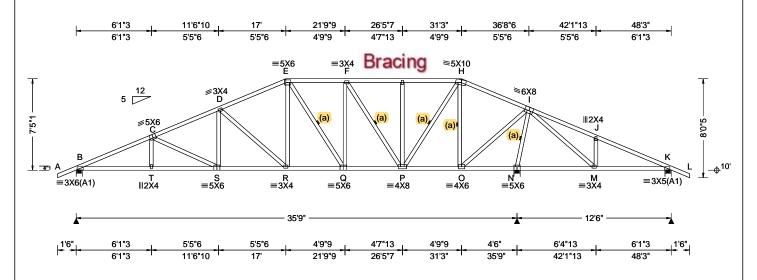
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SEQN: 466036 HIPS Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T20 FROM: CDM DrwNo: 201.23.0740.48180 Qty: 1 Elfers Truss Label: A07 KD / YK 07/20/2023



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: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.141 S 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.265 S 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.043 O
Des Ld: 37.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.083 O
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.369
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.595
Spacing: 24.0 "	C&C Dist a: 4.83 ft	Rep Fac: Yes	Max Web CSI: 0.699
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12
Lumber			

▲ M	▲ Maximum Reactions (lbs)							
	G	ravity		No	n-Grav	/ity		
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL		
В	1332	/-	/-	/792	/174	/216		
Ν	2274	/-	/-	/1113	/209	/-		
K	357	/-58	/-	/234	/114	/-		
Wir	nd read	tions bas	sed on N	/WFRS				
В	Brg V	/id = 6.0	Min F	Req = 1.6	(Truss	s)		
Ν	Brg V	/id = 6.0	Min F	Req = 2.7	• *			
K	Brg V	/id = 6.0	Min F	Req = 1.5	i			
Bea	Bearings B, N, & K are a rigid surface.							
Members not listed have forces less than 375#								
Maximum Top Chord Forces Per Ply (lbs)								
Cho	Chords Tens.Comp. Chords Tens. Comp.							

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

(a) Continuous lateral restraint equally spaced on

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

Wind

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

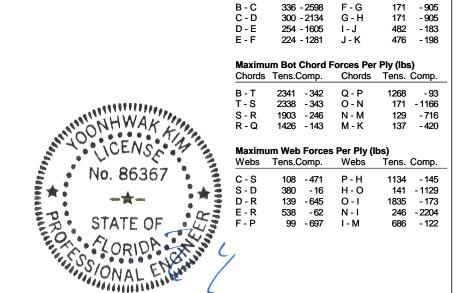
Wind loading based on both gable and hip roof types.

Additional Notes

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

THIS TRUSS MUST BE INSTALLED AS SHOWN AND NOT END FOR END.

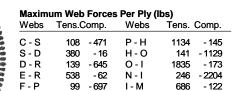


S - R

R - Q

1903 - 246

1426 - 143



N - M

M - K

129

137

-716

- 420

FL REG# 278, Yoonhwak Kim, FL PE #86367 Flora 2002 Pricate of Product Approval #FL 1999

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SEQN: 466037 HIPS Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T19 FROM: CDM DrwNo: 201.23.0740.55563 Qty: 1 Truss Label: A08 KD / YK 07/20/2023 5'5"3 10'2"10 21'1"9 33'3" 38'0"6 42'9"13 48'3' 15' 27'1"7 5'5"3 4'9"6 4'9"6 6'1"9 5'11"13 6'1"9 4'9"6 4'9"6 5'5"3 Bracing =3<u>X</u>4 =5X6 =6X8 H 5 12 **₹7**X8 **∌3X4** ≤5X6 ≅3X6(A1) N ≡5X6 S ≡5X6 R ≡3X4 Q ≡5X6 P ≡4X10 O ≡4X8 M ≡3X4 =3X5(A1)

A		35'9"			*		12'6" ————	- ⊀
1'6" 7'9"14 7'9"14	7'2"2 15'	6'1"9	5'11"13 27'1"7	6'1"9 33'3"	2'6" 35'9"	4'8"2 40'5"2	7'9"14 48'3"	1'6"

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: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.149 R 999 240	ı
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.279 R 999 180	ı
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.044 P	
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.084 P	
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 3.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.407	
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.707	
Spacing: 24.0 "	C&C Dist a: 4.83 ft	Rep Fac: Yes	Max Web CSI: 0.830	
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		ı
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12	l
Lumber				•

Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL /791 В 1339 /173 Ν 2240 /-/-/1080 /306 /-380 /-38 /251 /108 Wind reactions based on MWFRS Brg Wid = 6.0 Min Req = 1.6 (Truss) Brg Wid = 6.0 Brg Wid = 6.0 Min Req = 2.6 Min Rea = 1.5Bearings B, N, & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)

▲ Maximum Reactions (lbs)

Chords Tens.Comp. Chords Tens. Comp. B - C - 990 348 - 2623 221 324 - 2418 G-H 221

Top chord: 2x4 SP #2;

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

(a) Continuous lateral restraint equally spaced on

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

Wind

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

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The overall height of this truss excluding overhang is

THIS TRUSS MUST BE INSTALLED AS SHOWN AND NOT END FOR END.



Maximum Bot Chord Forces Per Ply (lbs)

Cilolus	rens.comp.		Onorda	i ciio.	Comp.
 В - S	2371	- 325	O - N	292	- 1724
S - R	2019	- 242	N - M	133	- 574
R - Q	1628	- 148	M - K	192	- 387
Q - P	1514	- 139			

Chords

Tens Comp

Maximum Web Forces Per Ply (lbs)

Chards Tens Comp

Webs	Tens.C	Comp.	Webs `	Ťens.	Comp.
S-D	402	- 26	H - O	208	- 1384
D-R	130	- 522	0-1	2179	- 263
E-R	501	- 47	N - I	356	- 2453
F-P	134	- 789	I - M	410	- 35
P - H	1462	- 205			

FL REG# 278, Yoonhwak Kim, FL PE #86367 Flori 20/2020 ficate of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

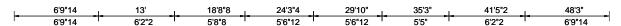
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

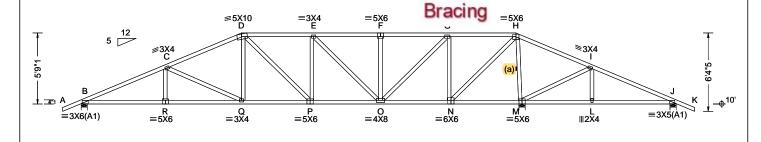
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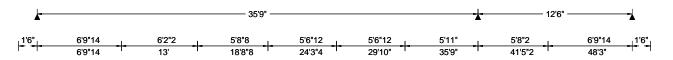
PR



SEQN: 466038 HIPS Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T18 Qty: 1 FROM: CDM DrwNo: 201.23.0741.03170 Truss Label: A09 KD / YK 07/20/2023







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: N	A PP Deflection in loc L/defl L/#
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.139 Q 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.261 Q 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.042 N
Des Ld: 37.00	EXP: C Kzt: NA		
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: 0.762
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.600
Spacing: 24.0 "	C&C Dist a: 4.83 ft	Rep Fac: Yes	Max Web CSI: 0.717
' "	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12
Lumber	•		<u> </u>

/U Loc R+ /Rh /Rw В 1281 /-/750 /186 /172 2466 /-/1178 /359 М /-298 /-207 /171 /119 Wind reactions based on MWFRS Brg Wid = 6.0 Min Req = 1.5 (Truss) Brg Wid = 6.0Min Req = 2.9 Brg Wid = 6.0 Min Rea = 1.5Bearings B, M, & J 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.

Non-Gravity

▲ Maximum Reactions (lbs) Gravity

B - C	364 - 2446	F-G	283	- 1224
C - D	316 - 1871	H - I	1320	- 156
D-E	357 - 1659	I - J	868	- 174
E-F	283 - 1224			

Bracing

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

(a) Continuous lateral restraint equally spaced on

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -207# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

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 5-9-1.

THIS TRUSS MUST BE INSTALLED AS SHOWN AND NOT END FOR END.

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

B - R	2198	- 323	O - N	403	- 67
R - Q	2194	- 324	N - M	218	- 988
Q - P	1665	- 207	M - L	194	- 781
P - O	1653	- 214	L - J	195	- 776

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens.	Comp.
C-Q	139	- 588	G - N	283	- 1188
D-Q	425	- 24	N - H	1806	- 344
E - O	112	- 628	H - M	378	- 2044
O - G	1185	- 206	M - I	154	- 695



FL REG# 278, Yoonhwak Kim, FL PE #86367 Flori 200202 Ficate of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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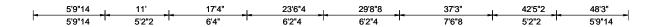
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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.

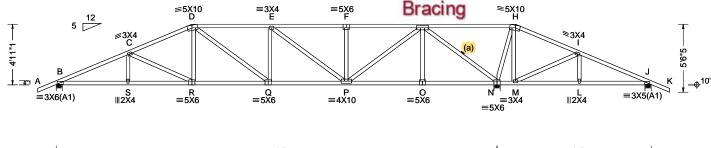
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, 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: 466039 HIPS Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T17 FROM: CDM Qty: 1 DrwNo: 201.23.0741.09177 Truss Label: A10 KD / YK 07/20/2023





k			35'9	"		•	*	12'6" —	-
1'6"	5'9"14	5'2"2	6'4"	6'2"4	6'2"4	6'0"8	1'6 <u>"</u>	5'2"2	5'9"14 1'6"
	5'9"14	11'	17'4"	23'6"4	29'8"8	35'9"	37'3"	42'5"2	48'3"

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: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.147 Q 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.279 Q 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.042 N
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.080 N
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.637
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.553
Spacing: 24.0 "	C&C Dist a: 4.83 ft	Rep Fac: Yes	Max Web CSI: 0.764
-	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12
Lumber			

	▲ Maximum Reactions (lbs)								
Gravity						Non-Gravity			
5	Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL		
)	В	1247		/-	/720	/178	/151		
	N	2600	/-	/-	/1229	/417	/-		
	J	251	/-305	/-	/159	/156	/-		
	Win	d read	tions ba	sed on l	MWFRS				
	В	Brg W	/id = 6.0	Min	Req = 1.5				
	N	Brg W	/id = 6.0	Min	Req = 3.1				
	J	Brg W	/id = 6.0	Min	Req = 1.5				
	Bea	rings E	3, N, & J	are a r	igid surfac	e.			
	Members not listed have forces less than 375#								
	Max	cimum	Top Ch	ord Fo	rces Per	Ply (lb	s)		
	Cho	rds T	ens.Cor	np.	Chords	Tens.	Ćomp.		

E 0 - 1377

Bracing

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

(a) Continuous lateral restraint equally spaced on

Top chord: 2x4 SP #2; T3 2x4 SP M-31;

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

Wind

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -305# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

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 4-11-1.

THIS TRUSS MUST BE INSTALLED AS SHOWN AND NOT END FOR END.

D-C	J40 - 2J 34	1 - G	J2 4	- 13//
C - D	354 - 1956	G - H	1622	- 207
D-E	425 - 1889	H - I	1419	- 195
E-F	324 - 1377	I - J	1062	- 210

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - S 2155 - 305 N - M 278 - 1273 S-R 2152 - 306 M - I 226 - 964

R - Q Q - P	1759 - 215 1887 - 301	L-J	227	- 958
	um Web Forces Tens.Comp.		•	Comp.

Maximum web Forces Per Ply (lbs)									
Webs	Tens.C	comp.	Webs	Tens.	Comp.				
C-R	114	- 440	G-N	462	- 2293				
D - R	377	- 16	N - H	189	- 1131				
E - P	135	- 666	M - I	133	-622				
P-G	1385	- 275							

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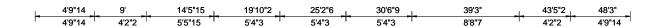
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

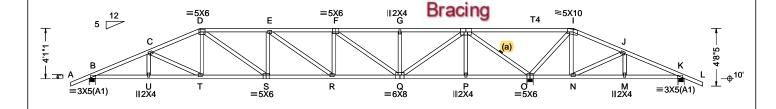
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

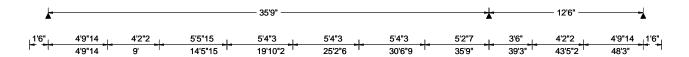
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SEQN: 466040 HIPS Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T16 FROM: CDM Qty: 1 DrwNo: 201.23.0741.16053 Truss Label: A11 KD / YK 07/20/2023







L								
	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria				
	TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 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: 3.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 4.83 ft Loc. from endwall: not in 13.00 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	PP Deflection in loc L/defl L/# VERT(LL): 0.179 E 999 240 VERT(CL): 0.338 E 999 180 HORZ(LL): 0.044 Q HORZ(TL): 0.084 Q Creep Factor: 2.0 Max TC CSI: 0.715 Max BC CSI: 0.604 Max Web CSI: 0.800				
		GCpi: 0.18 Wind Duration: 1.25	WAVE, HS	VIEW Ver: 22.02.00.0914.12				
İ	Lumber	•	THIS TRUSS MUST BE IN	STALLED AS SHOWN				

AND NOT END FOR END.

Lumber

Top chord: 2x4 SP #2; T4 2x4 SP M-31;

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

Bracing

(a) Continuous lateral restraint equally spaced on

Plating Notes

All plates are 3X4 except as noted.

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -375# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

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

Chords	Tens.Comp.	Chords		
B-C	354 - 2356	G-H	282	- 1205
C-D	398 - 2055	H-I	2225	- 365
D - E	508 - 2215	I - J	1441	- 234
E-F	477 - 2006	J - K	1184	- 222
F-G	282 - 1205			

Non-Gravity

/188

/176

/1262 /466

/RL

/129

/-

/Rw /U

/693

/150

Min Req = 1.5

Min Req = 3.2

Min Rea = 1.5

Maximum Bot Chord Forces Per Ply (lbs)

▲ Maximum Reactions (lbs) Gravity

> /-375 /-

Brg Wid = 6.0

Brg Wid = 6.0

Wind reactions based on MWFRS Brg Wid = 6.0

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

/Rh

/-

Loc R+

2681 /-

231

В 1223 /-

Chords	Tens.Comp.		Chords	Tens.	Comp.
B - U	2126	- 288	R-Q	1985	- 369
U - T	2124	- 289	O - N	300	- 1324
T-S	1862	- 269	N - M	235	- 1079
S - R	2226	- 409	M - K	236	- 1073

Maximum Web Forces Per Ply (lbs)

webs	rens.c	omp.	webs	I ens.	Comp.
D-S F-Q	242	- 159 - 990	H - O O - I	255	- 2548 - 1456
Q - H	1596	- 327	N - J	110	- 505



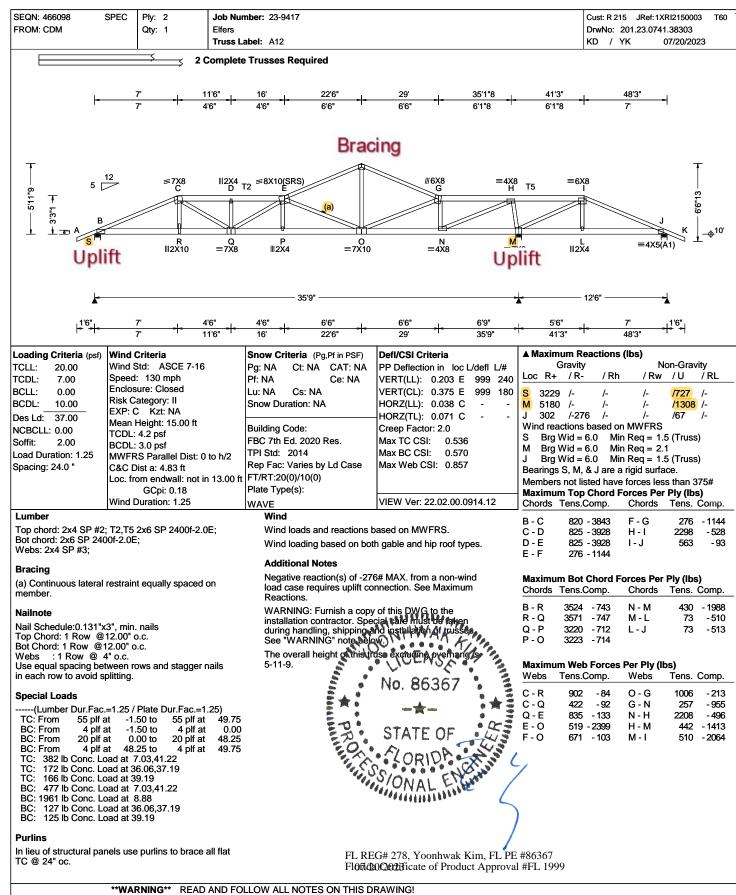
FL REG# 278, Yoonhwak Kim, FL PE #86367 Flori 200202 Ficate of Product Approval #FL 1999

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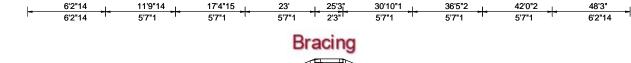
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

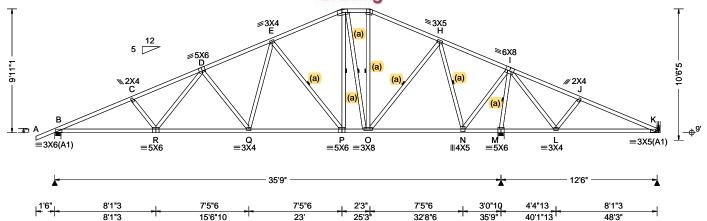
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SEQN: 466041 HIPS Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T66 FROM: CDM Qty: 1 DrwNo: 201.23.0741.46883 Truss Label: A13 KD / YK 07/20/2023





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 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: 3.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.83 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind 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	PP Deflection in loc L/defl L/# VERT(LL): 0.139 D 999 240 VERT(CL): 0.262 D 999 180 HORZ(LL): 0.040 N HORZ(TL): 0.077 N Creep Factor: 2.0 Max TC CSI: 0.546 Max BC CSI: 0.732 Max Web CSI: 0.634 VIEW Ver: 22.02.00.0914.12	
Lumber	•	•	•	

	▲ Maximum Reactions (lbs)								
		G	ravity		No	n-Grav	∕ity		
)	Loc	: R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
)	В	1340	/-	/-	/803	/162	/269		
	М	2246	/-	/-	/1102	/234	/-		
	K	284	/-69	/-	/176	/96	/-		
	Wii	nd read	tions b	ased on N	/WFRS				
	В	Brg V	/id = 6	0 Min F	Req = 1.6	(Truss	s)		
	М	Brg V	/id = 6	0 Min F	Req = 2.7		•		
	K	Brg V	/id = -	Min F	Req = -				
	Bearings B & M are a rigid surface.								
	Members not listed have forces less than 375#								
_	Ma	ximum	Top C	hord For	ces Per	Ply (lb	s)		
	Ch	ords T	ens.Co	omp. (Chords	Tens.	Comp.		

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

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

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.

The overall height of this truss excluding overhang is 9-11-1.

B-C	316 - 2599	F-G	180	- 790
C - D	309 - 2411	G-H	177	- 920
D-E	243 - 1747	I - J	519	- 144
F-F	192 - 1050	.l - K	462	- 232

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

					· · · · · · · · · ·
B - R	2344	- 394	N - M	165	- 1011
R - Q	-	- 290	M - L	129	- 684
Q - P	1412	- 187	L-K	175	- 403
P - O	908	-77			

Maximum Web Forces Per Ply (lbs)

vvebs	rens.comp.		vvebs	i ens.	Comp.
R - D	475	- 59	O - H	725	- 97
D - Q	142	- 542	H - N	148	- 1245
Q - E	609	- 69	N - I	1664	- 127
E - P	179	- 822	M - I	244	- 2227
F-P	716	- 113	I - L	556	- 74
F-0	164	- 564			

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SEQN: 466042 HIPS Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T65 FROM: CDM Qty: 1 DrwNo: 201.23.0741.49170 Truss Label: A14 KD / YK 07/20/2023 7'5"3 14'2"10 34'0"6 40'9"13 48'3" 7'5"3 6'9"6 6'9"6 6'9"6 6'9"6 7'5"3 Bracing ≅6X6 G 5 12 ≷3X4 _ H ≡3X5(A1) N ≡5X6 M ≡5X6 0 ∥2X4 =3X6(A1) ≡4X8 ∥2X4 =5X6 35'9' 12'6" 7'5"3 5'0"13 8'6' 6'3" 8'6" 5'0"13 7'5"3 7'5"3 27'3" 35'9" 40'9"13 12'6' 21 48'3' ▲ Maximum Reactions (lbs)

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: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.131 N 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.247 N 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.041 L
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.078 L
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.702
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.721
Spacing: 24.0 "	C&C Dist a: 4.83 ft	Rep Fac: Yes	Max Web CSI: 0.484
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12
Lumber			

Gravity Non-Gravity Loc R+ /Rh /Rw /U В 1325 /-/797 /167 /247 2281 /-/-/1123 /232 /-271 /-103 /161 /103 Wind reactions based on MWFRS Brg Wid = 6.0 Min Req = 1.6 (Truss) Brg Wid = 6.0 Min Req = 2.7

Brg Wid = -Min Reg = -Bearings B & K are a rigid surface.

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

B - C	315 - 2519	F-G	158	- 806
C - D	273 - 2013	G-H	964	-82
D-E	203 - 1237	H-I	563	- 166
E-F	166 - 677			

Webs: 2x4 SP #3; **Bracing**

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

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

(J) Hanger Support Required, by others

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

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.

The overall height of this truss excluding overhang is



Cilolus	16113.0	winp.	Ciloius	i ciio. V	Julip.
B - O O - N		- 358 - 358	M - L K - J	1072 143	
N - M		- 237	J-1	144	

Chords

Tens Comp

Maximum Web Forces Per Ply (lbs)

Chards Tens Comp

rens.comp.		webs	i ens.	Comp.
135	- 550	E-L	150	- 709
506	- 29	L-G	1271	- 111
179	- 793	G-K	224	- 1865
664	- 74	K - H	148	- 658
	135 506 179	135 - 550 506 - 29 179 - 793 664 - 74	135 -550 E - L 506 -29 L - G 179 -793 G - K	135 -550 E - L 150 506 -29 L - G 1271 179 -793 G - K 224



FL REG# 278, Yoonhwak Kim, FL PE #86367 Flori 20/20/20 Ficate of Product Approval #FL 1999

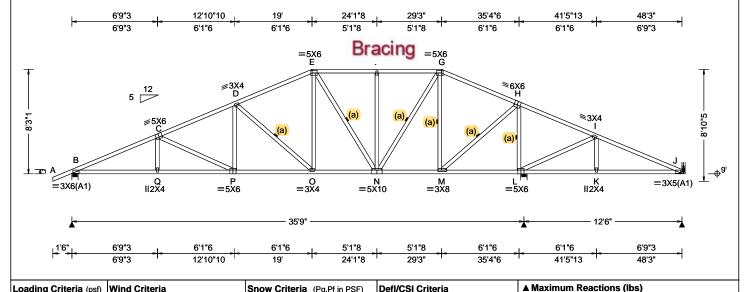
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 466043 HIPS Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T36 FROM: CDM Qty: 1 DrwNo: 201.23.0741.51433 Truss Label: A15 KD / YK 07/20/2023



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: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.134 P 999 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.253 P 999 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.041 M	
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.078 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: 0.603	
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.614	
Spacing: 24.0 "	C&C Dist a: 4.83 ft	Rep Fac: Yes	Max Web CSI: 0.590	
-	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12	
Lumber				

Gravity Non-Gravity Loc R+ /Rh /Rw /U В 1318 /-/791 /170 /225 2278 /-/1126 /233 272 /-86 /162 /100 Wind reactions based on MWFRS Brg Wid = 6.0 Min Req = 1.6 (Truss) Brg Wid = 6.0Min Req = 2.7 Brg Wid = -Min Rea = -Bearings B & L are a rigid surface. Members not listed have forces less than 375# **Maximum Top Chord Forces Per Ply (lbs)** Chords Tens.Comp. Chords Tens. Comp.

B - C 323 - 2537 190 -967 C-D 278 - 1992 G-H 130 - 578 D-E 226 - 1393 926 -74 H - I F-F 190 - 967 489 - 206

member.

Top chord: 2x4 SP #2;

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

(a) Continuous lateral restraint equally spaced on

Hangers / Ties

(J) Hanger Support Required, by others

Bracing

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

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.

The overall height of this truss excluding overhang is 8-3-1.

Maximum Bot Chord Forces Per Ply (lb	s)

Cilolus	Tello.C	onip.	Cilolus	i ciio. V	Jonnp.
B-Q	2281	- 346	N - M	476	-5
Q - P	2278	- 347	M - L	126	- 719
P - O	1764	- 235	L-K	143	- 434
O - N	1223	- 119	K-J	144	- 429

Maximum Web Forces Per Ply (lbs)

webs	rens.com	ıp.	webs	rens.	Comp.
C-P	124 - 5	556	N - G	929	- 135
P - D	429 -	17	G - M	129	- 909
D - O	156 - 7	28	M - H	1533	- 141
E - O	606 -	70	H - L	224	- 1866
E - N	111 -4	190	L-I	138	- 682

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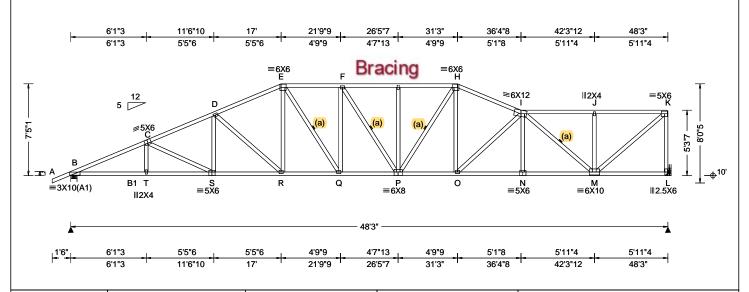
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 466044 SPEC Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T4 Qty: 1 FROM: CDM DrwNo: 201.23.0741.53860 Truss Label: A16 KD / YK 07/20/2023



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: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.332 F 999 240
BCLL: 0.00		Lu: NA Cs: NA	VERT(CL): 0.620 F 930 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.109 M
Des Ld: 37.00 NCBCLL: 10.00	EXP: C Kzt: NA Mean Height: 15.00 ft	Building Code:	HORZ(TL): 0.204 M Creep Factor: 2.0
Soffit: 2.00	TCDL: 4.2 psf BCDL: 3.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.607
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.800
Spacing: 24.0 "	C&C Dist a: 4.83 ft	Rep Fac: Yes	Max Web CSI: 0.964
	Loc. from endwall: not in 13.00 ft		
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12
1		WAVE	

Lumber

Top chord: 2x4 SP #2;

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

Bracing

(a) Continuous lateral restraint equally spaced on

Plating Notes

All plates are 3X4 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

Purlins

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

Wind

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

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

Additional Notes

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

The overall height of this truss excluding overhang is

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U

В 1910 /-/1084 /246 /194 1806 /848 /315 Wind reactions based on MWFRS

/RL

Brg Wid = 6.0Min Reg = 1.6 (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)

Onlords	r cris.comp.	Onlords	i ciio.	Comp.	
B-C	511 - 4021	G-H	435	- 3034	
C - D	482 - 3603	H - I	427	- 3094	
D - E	438 - 3085	I-J	321	- 1937	
E-F	440 - 3022	J - K	321	- 1937	
F-G	435 - 3034				

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	comp.	Chords	Tens. (Comp.
B - T	3651	- 577	Q-P	3033	- 410
T-S	3649	- 578	P - O	2807	- 369
S - R	3261	- 490	O - N	3260	- 466
R - Q	2792	- 390	N - M	3263	- 465

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens.	Comp.
C-S	109 - 417	H-0	548	- 65
D-R	139 - 634	I - M	191	- 1732
E-R	531 - 62	J - M	190	- 379
E-Q	421 - 69	M - K	2531	- 420
P - H	407 - 81	K-L	329	- 1758
O - I	136 - 633			

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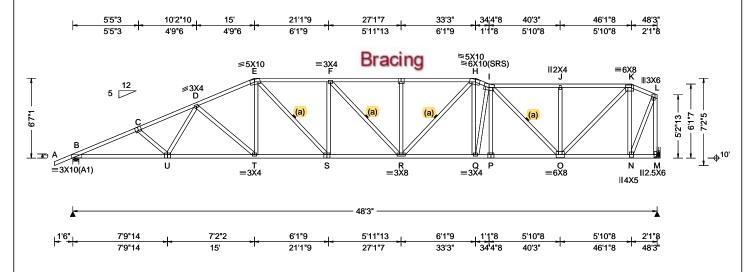
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SEQN: 466045 SPEC Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T30 FROM: CDM Qty: 1 DrwNo: 201.23.0741.56197 Truss Label: A17 KD / YK 07/20/2023



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: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.368 F 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.688 F 839 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.117 N
Des Ld: 37.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.219 N
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.629
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.992
Spacing: 24.0 "	C&C Dist a: 4.83 ft	Rep Fac: Yes	Max Web CSI: 0.940
	Loc. from endwall: not in 13.00 ft		
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12
Lumber			

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on

Plating Notes

All plates are 5X6 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

Purlins

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

Wind

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

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

Additional Notes

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

The overall height of this truss excluding overhang is

▲ Maximum Reactions (lbs) Gravity

Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL	
В	1910	/-	/-	/1082	/259	/173	_
М	1806	/-	/-	/848	/313	/-	
Wind reactions based on MWFRS							
В	Brg V	lid = 6	6.0 Min R	eq = 2.3	(Truss	s)	
М	Bra W	/id = -	Min R	ea = -	-		

Non-Gravity

Bearing B is a rigid surface.

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

Cilolus	rens.comp.	Cilolus	16115.	comp.
 В - С	559 - 4034	G-H	533	- 3431
C - D	537 - 3842	H - I	534	- 3229
D-E	488 - 3274	I - J	393	-2110
E-F	523 - 3411	J - K	393	- 2110
F-G	533 - 3431	K-L	131	- 713

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. (Comp.
B - U	3666	- 616	R - Q	2991	- 473
U - T		- 539	Q-P	3075	- 500
T-S	2976	- 448	P - O	3076	- 500
S - R	3427	- 507	O - N	650	- 118

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
D-T	130	- 504	1-0	170	- 1360
E - T	497	- 47	0 - K	2055	- 368
E-S	632	- 80	K - N	302	- 1415
R - H	629	- 76	N - L	1643	- 298
H - Q	536	- 122	L - M	313	- 1802
Q - I	144	- 442			

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SEQN: 466046 HIPS Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T28 FROM: CDM Qty: 1 DrwNo: 201.23.0757.22927 Truss Label: A18 KD / YK 07/20/2023 6'9"14 19'10"10 33'4"7 40'1"6 6'9"14 6'2"2 6'10"10 6'8"14 6'8"14 6'8"14 6'10"10 =6X8 Bracing ≡6X8 =3X4 =3X4 =5X6 H 4X6 3X4 5'9"1 =4X8R ≡5X6 Q ≡3X4 P ≡5X6 O ≡3X8 N ≡5X6 ≡3X10(A1) 48'3' 6'9"14 6'10"10 6'8"14 6'8"14 6'8"14 6'10"10 6'9"14 19'10"10 26'7"9 33'4"7 40'1"6 47

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: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.436 F 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.814 F 709 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.119 L
Des Ld: 37.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.223 L
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.932
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.949
Spacing: 24.0 "	C&C Dist a: 4.83 ft	Rep Fac: Yes	Max Web CSI: 0.944
-	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12
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

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

Wind

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

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

Additional Notes

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 5-9-1.

▲ Maximum Reactions (lbs) Gravity

D-E

Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL	
В	1910	/-	/-	/1070	/519	/191	
K	1806	/-	/-	/855	/509	/-	
Wind reactions based on MWFRS							
В	Brg W	/id = 6.0	Min	Req = 2.3	(Truss	()	
K	Brg W	/id = -	Min	Reg = -	•	•	
Bear	ring B	is a rigid	surfac	e.			
Men	nbers	not listed	l have t	forces less	than 3	75#	
Maximum Top Chord Forces Per Ply (lbs)							
		•		Chords		•	
B - 0	;	1084 - 40	004	F-G	1157	- 3978	
C - C	5	990 - 34		G-H	990	- 3416	

Non-Gravity

654 - 2248

- 444

Maximum Bot Chord Forces Per Ply (lbs)

1138 - 3876

1157 - 3978

Chords	Tens.Comp.	Chords	Tens. Comp	
B-R	3630 - 1110	O - N	3458	- 988
R-Q	3627 - 1111	N - M	2319	- 661
Q - P	3158 - 931	M - L	435	- 122
P - O	3900 - 1131			

H - I

Maximum Web Forces Per Ply (lbs)

webs	rens.co	mp.	vvebs	i ens.	Comp.
C-Q	200	- 521	N - H	1437	- 407
D - Q	434	-51	H - M	458	- 1327
D - P	924	- 244	M - I	2332	- 662
P - E	195	- 449	I-L	522	- 1608
O - G	675	- 196	L-J	1770	- 495
G - N	304	- 796	J - K	495	- 1827



FL REG# 278, Yoonhwak Kim, FL PE #86367 Flor 20202 Ficate of Product Approval #FL 1999

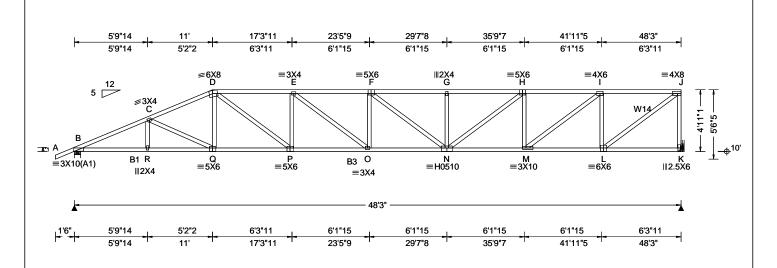
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SEQN: 466047 HIPM Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T27 FROM: CDM Qty: 1 DrwNo: 201.23.0757.25003 Truss Label: A19 KD / YK 07/20/2023



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: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.513 F 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.958 F 602 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.112 L
Des Ld: 37.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.209 L
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.856
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.887
Spacing: 24.0 "	C&C Dist a: 4.83 ft	Rep Fac: Yes	Max Web CSI: 0.770
	Loc. from endwall: not in 6.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.25	WAVE, HS	VIEW Ver: 22.02.00.0914.12

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; B1,B3 2x4 SP M-31; Webs: 2x4 SP #3; W14 2x4 SP #2;

Hangers / Ties

(J) Hanger Support Required, by others

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

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

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

Additional Notes

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The overall height of this truss excluding overhang is

now Criteria (Pg,Pf in PSF)	Defl/CSI Criteria				
g: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#				
: NA Ce: NA	VERT(LL): 0.513 F 999 240				
ı: NA Cs: NA	VERT(CL): 0.958 F 602 180				
now Duration: NA	HORZ(LL): 0.112 L				
	HORZ(TL): 0.209 L				
uilding Code:	Creep Factor: 2.0				
BC 7th Ed. 2020 Res.	Max TC CSI: 0.856				
PI Std: 2014	Max BC CSI: 0.887				
ep Fac: Yes	Max Web CSI: 0.770				
Γ/RT:20(0)/10(0)					
ate Type(s):					
AVE HS	VIEW Ver: 22.02.00.0914.12				

Gravity				Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rv	v /U	/ RL
В	1910) /-	/-	/10	51 /522	/179
Κ	1806	3 /-	/-	/86	1 /511	/-
Win	d rea	actions I	pased or	n MWFR	S	
В	Brg	Wid = 6	6.0 Mi	n Reg = 1	1.6 (Trus	s)
κ	Brg	Wid = -	Mi	n Req = -	. `	,
Bea	ring	B is a ri	gid surfa	ace.		
	_		_	e forces le	ess than :	375#
Max	timu	m Top	Chord F	orces P	er Plv (lb	s)
				Chords		•
B - 0	0	1093	- 4022	F-G	1283	- 4495
C-i	Ď	1031	3644	G-H	1283	- 4495
D - I	E	1252	- 4322	H-I	1023	- 3606
E - I	F	1350	4713	i - J	607	- 2146

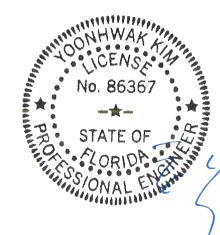
▲ Maximum Reactions (lbs)

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.	
B-R	3653 - 1114	O - N	4723 - 1357	
R-Q	3651 - 1115	N - M	3666 - 1044	
Q-P	3318 - 982	M - L	2239 - 638	
P - O	4362 - 1267			

Maximum Web Forces Per Ply (lbs)

vvebs	rens.c	omp.	webs	rens.	Comp.
D-P		- 337	M - I	1741	- 489
P - E	242	- 635	I-L	499	- 1479
E - O	448	- 160	L-J	2684	- 759
N - H	1045	- 301	J - K	526	- 1755
H - M	340	- 958			



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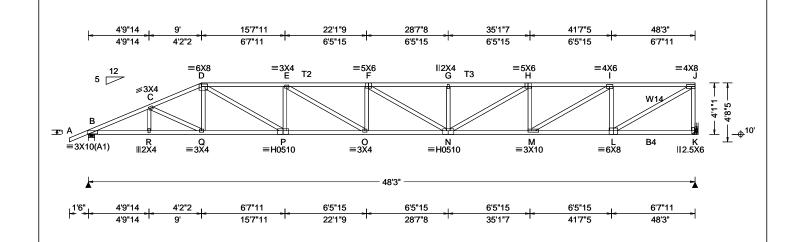
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SEQN: 466048 HIPM Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T26 FROM: CDM Qty: 1 DrwNo: 201.23.0757.26640 Truss Label: A20 KD / YK 07/20/2023



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: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.608 F 949 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 1.136 F 508 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.117 D
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.218 D
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 4.2 psf BCDL: 3.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.922
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.558
Spacing: 24.0 "	C&C Dist a: 4.83 ft	Rep Fac: Yes	Max Web CSI: 0.857
-	Loc. from endwall: not in 6.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.25	WAVE, HS	VIEW Ver: 22.02.00.0914.12

L	u	m	be	er

Top chord: 2x4 SP #2; T2,T3 2x4 SP M-31; Bot chord: 2x4 SP M-31; B4 2x4 SP #2; Webs: 2x4 SP #3; W14 2x4 SP #2;

Hangers / Ties

(J) Hanger Support Required, by others

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

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

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

ow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria				
NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#				
NA Ce: NA	VERT(LL): 0.608 F 949 240				
NA Cs: NA	VERT(CL): 1.136 F 508 180				
ow Duration: NA	HORZ(LL): 0.117 D				
	HORZ(TL): 0.218 D				
Iding Code:	Creep Factor: 2.0				
C 7th Ed. 2020 Res.	Max TC CSI: 0.922				
Std: 2014	Max BC CSI: 0.558				
o Fac: Yes	Max Web CSI: 0.857				
RT:20(0)/10(0)					
te Type(s):					
VE HS	VIEW Ver: 22.02.00.0914.12				

	В	1910	/-	/-	/1030	/525	/150
	K	1806	/-	/-	/854	/509	/-
	Wi	nd rea	ctions	based o	n MWFRS		
	В	Brg \	Nid =	6.0 Mi	n Req = 1.6	(Truss	s)
	K	Brg \	Nid =	- Mi	n Req = -		
	Be	aring E	3 is a ı	rigid surfa	ace.		
	Me	mbers	not li	sted have	e forces less	s than 3	375#
	Ma	ximun	n Top	Chord I	Forces Per	Ply (lb:	s)
	Ch	ords ⁻	Tens.	Comp.	Chords	Tens.	Comp.
_	В-	С	1099	- 4015	F-G	1582	- 5582
_	١ō-	-		- 3807	G - H	1582	- 5582
	D-	E	1438	- 5013	H - I	1283	- 4549
	Ε-	F	1622	- 5709	I - J	770	- 2737

/Rh

Non-Gravity

/RL

/Rw /U

▲ Maximum Reactions (lbs) Gravity

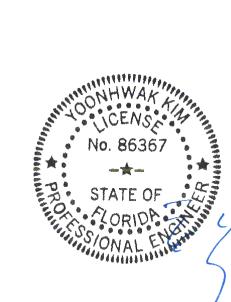
Loc R+

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.		
B-R	3651 - 1097	O - N	5729 - 16	33	
R - Q	3651 - 1099	N - M	4619 - 13	80	
Q-P	3485 - 1019	M - L	2849 - 8	80	
P - O	5072 - 1460				

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens. Comp.		
D-P	1769	- 485	M - I	1993	- 556	
P - E	287	- 770	I-L	493	- 1454	
E - O	747	- 217	L-J	3152	- 887	
N - H	1122	- 320	J - K	524	- 1749	
H - M	330	- 916				



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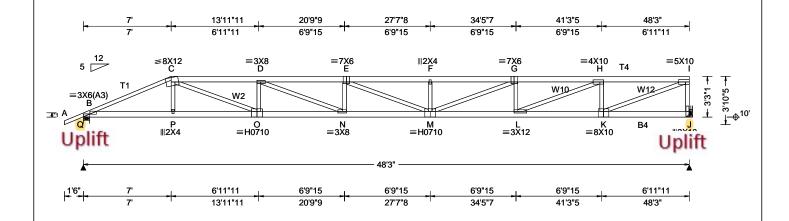
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SEQN: 466100 HIPM Ply: 2 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T37 Qty: 1 FROM: CDM DrwNo: 201.23.0757.52377 Page 1 of 2 Truss Label: A21 KD / YK 07/20/2023





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: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.855 F 675 240		
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 1.584 F 364 180		
	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.126 C		
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.233 C		
NCBCLL: 0.00	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: 0.938		
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.589		
Spacing: 24.0 "	C&C Dist a: 4.83 ft	Rep Fac: No	Max Web CSI: 0.750		
' " '	Loc. from endwall: not in 6.50 ft	FT/RT:20(0)/10(0)			
	GCpi: 0.18	Plate Type(s):			
	Wind Duration: 1.25	WAVE, HS	VIEW Ver: 22.02.00.0914.12		

Lumber

Top chord: 2x6 SP 2400f-2.0E; T1 2x4 SP #2; T4 2x6 SP #2 Bot chord: 2x6 SP 2400f-2.0E; B4 2x6 SP #2; Webs: 2x4 SP #3; W2,W10 2x4 SP #2; W12 2x4 SP M-31;

Nailnote

Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @12.00" 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 55 plf at -1.50 to 55 plf at 7 00 28 plf at 4 plf at TC: From 28 plf at 4 plf at 7.00 to -1.50 to 48 25 0.00 BC: From 20 plf at 0.00 to BC: From 20 plf at 7.03 BC: From 10 plf at 7.03 to 10 plf at 382 lb Conc. Load at 7.03 TC: 166 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06,19.06,21.06,23.06,25.06,27.06,29.06,31.06 33.06,35.06,37.06,39.06,41.06,43.06,45.06,47.06 477 lb Conc. Load at 7.03 BC: 125 lb Conc. Load at 9.06,11.06,13.06,15.06

17.06,19.06,21.06,23.06,25.06,27.06,29.06,31.06 33.06,35.06,37.06,39.06,41.06,43.06,45.06,47.06

Hangers / Ties

(J) Hanger Support Required, by others

Purlins

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

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 Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U / RL Q 4425 /-/1298 /-4424 /1300 /-/-Wind reactions based on MWFRS Brg Wid = 6.0 Min Reg = 1.8 (Truss) a Brg Wid = -Min Req = -Bearing Q is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 2779 - 9476 1556 - 5356 C-D 2340 - 8014 G-H 2291 - 7822 D-E 2776 - 9498 1396 - 4766 H - I 2779 - 9476

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.		
B - P	4927 - 1425	N - M	9534 - 2796		
P - O	4945 - 1425	M - L	7927 - 2330		
O - N	8120 - 2381	I-K	4940 - 1458		

Maximum Web Forces Per Plv (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.		
C-0	3321 - 990	L-H	3134 - 905		
O - D	404 - 1029	H - K	599 - 1678		
D - N	1499 - 429	K-I	5134 - 1504		
M - G	1680 - 486	I - J	655 - 2106		
G - I	383 - 1007				

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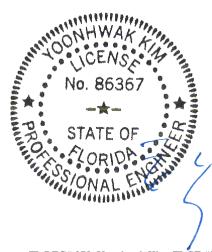


SEQN: 466100 HIPM Ply: 2 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T37 FROM: CDM Qty: 1 DrwNo: 201.23.0757.52377 Page 2 of 2 Truss Label: A21 KD / YK 07/20/2023

Additional Notes

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

The overall height of this truss excluding overhang is



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SEQN: 466049 COMN Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T41 FROM: CDM Qty: 8 DrwNo: 201.23.0757.54910 Truss Label: B01 KD / YK 07/20/2023 7'0"14 13'6" 19'11"2 7'0"14 6'5"2 6'5"2 7'0"14 [≥]5X5 E 4"1 H ∥2X4 J ∥2X4 =2X10(A1) =2X10(A1) =5X6 7'0"14 6'5"2 6'5"2 7'0"14 1'6" 7'0"14 13'6" 19'11"2

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.103 I 999 240 VERT(CL): 0.189 I 999 180 HORZ(LL): 0.041 F -
Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.25	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.075 F Creep Factor: 2.0 Max TC CSI: 0.425 Max BC CSI: 0.570 Max Web CSI: 0.594 VIEW Ver: 22.02.00.0914.12

▲ Maximum Reactions (lbs)							
	G	ravity			Non-Grav	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ / U	/ RL	
В	1101	/-	/-	/591	/126	/156	
F	1101	/-	/-	/591	/126	/-	
Win	d read	ctions b	ased o	n MWFRS	;		
В	Brg V	Vid = 6	.0 Mi	n Req = 1	.5		
F	Brg V	Vid = 6	.0 Mi	n Req = 2	.6		
Bea	rings	B&Fa	re a rig	id surface			
Men	nbers	not list	ed have	e forces le	ss than 3	375#	
Maximum Top Chord Forces Per Ply (lbs)							
Cho	rds 7	Tens.Co	omp.	Chords	Tens.	Ćomp.	
B - 0	c	215 -	1987	D-E	182	- 1376	
i - ت ا	-		1376		215		

27

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

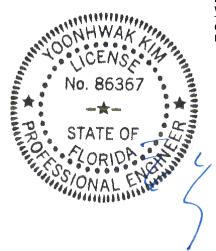
The overall height of this truss excluding overhang is



Chords	Tens.Comp.	Chords	Tens. Comp.	
B - J	1773 - 171	I-H	1769 - 143	
J - I	1769 - 172	H-F	1773 - 141	

Maximum Web Forces Per Ply (lbs)

	Tens.Comp.		Webs	Tens. Comp.		
	150	- 623	I-E	153	- 623	
D - I	888	- 50				



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SEQN: 466050 COMN Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T42 FROM: CDM Qty: 1 DrwNo: 201.23.0757.58363 Truss Label: B02 KD / YK 07/20/2023 7'0"14 13'6" 19'11"2 7'0"14 6'5"2 6'5"2 ≡4X4 C ≅3X4 _ D **∌3X4** B **⊕**10′ 4"1 H ∥2X4 G ≡5X6 F ∥2X4 =2X10(B1) =2X10(B1) 27 7'0"14 6'5"2 6'5"2 7'0"14 7'0"14 13'6' 19'11"2 27'

Loading Criteria (psf) Wind Criteria			1 4
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 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: 3.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind 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):	Defl/CSI Criteria	1

▲ Ma	ximu	m React	ions (l	bs)		
	Gı	ravity		No	on-Grav	/ity
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL
A 1	015	/-	/-	/522	/112	/126
E 1	015	/-	/-	/522	/112	/-
Wind	reac	tions bas	ed on l	MWFRS		
A E	3rg W	/id = 6.0	Min	Req = 1.5	5	
E E	3rg W	id = 6.0	Min	Req = 2.6	3	
Beari	ngs A	& E are	a rigid	surface.		
Meml	bers r	not listed	have f	orces less	s than 3	375#
Maxi	mum	Top Ch	ord Fo	rces Per	Ply (lb:	s)
Chord	ds T	ens.Com	ıp.	Chords	Tens.	Comp.
А-В		224 - 20	30	C-D	172	- 1394
B-C		-			225	- 2030
	Loc A 1 E 1 Wind A E Beari Memi Maxii Chord A - B	A 1015 E 1015 Wind react A Brg W E Brg W Bearings A Members I Maximum Chords T A - B	Gravity Loc R+ /R- A 1015 /- E 1015 /- Wind reactions bas A Brg Wid = 6.0 E Brg Wid = 6.0 Bearings A & E are Members not listed Maximum Top Chochords Tens.Com A - B 224 - 20	Gravity Loc R+ /R- /Rh A 1015 /- E 1015 /- /- Wind reactions based on A Brg Wid = 6.0 Min Bearings A & E are a rigid Members not listed have f Maximum Top Chord Fo Chords Tens.Comp. A - B 224 - 2030	Loc R+ /R- /Rh /Rw A 1015 /- /- /522 E 1015 /- /- /522 Wind reactions based on MWFRS A Brg Wid = 6.0 Min Req = 1.5 E Brg Wid = 6.0 Min Req = 1.5 Bearings A & E are a rigid surface. Members not listed have forces less Maximum Top Chord Forces Per Chords Tens.Comp. Chords A - B 224 - 2030 C - D	Cravity

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

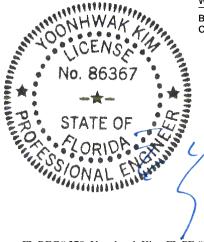
The overall height of this truss excluding overhang is

Maximum Bot Chord Forces Per Ply (lbs)

Cilolus	rens.comp.		Cilolus	rens. comp.		
A - H	1816	- 203	G-F	1811	- 159	
H-G	1811	- 204	F-E	1816	- 158	

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	omp.	
B - G	155 - 653	G - D	157 - 653		



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SEQN: 466051 COMN Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T25 FROM: CDM Qty: 3 DrwNo: 201.23.0758.00043 Truss Label: B03 KD / YK 07/20/2023 7'0"14 13'6" 19'11"2 7'0"14 6'5"2 6'5"2 ≡4X4 C ≅3X4 _ D **∌3X4** B **⊕**10′ 4"1 =2X10(B1) H ∥2X4 G ≡5X6 F ∥2X4 =2X10(B1) 27 7'0"14 6'5"2 6'5"2 7'0"14 7'0"14 13'6' 19'11"2 27

				_
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/#	ı
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.101 G 999 240	ı
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.190 G 999 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.041 E	
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.076 E	
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 3.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.471	
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.606	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.628	
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12	
I	•		•	-

	▲ Ma	ximu	m React	ions (It	os)		
		Gı	ravity		No	n-Grav	ity
	Loc	R+	/ R-	/Rh	/ Rw	/U	/ RL
	A 1	014	/-	/-	/522	/112	/126
	E 1	016	/-	/-	/522	/112	/-
	Wind	reac	tions bas	ed on M	IWFRS		
	А	3rg W	/id = -	Min R	Reg = -		
	E	3ra W	id = 6.0	Min R	Req = 1.5	(Truss)
			is a rigid				,
	Mem	bers ı	not listed	have fo	rces less	than 3	75#
	Maximum Top Chord Forces Per Ply (lbs)						
					Chords		•
_	A - B		225 - 20	37 (C - D	172	- 1396
	B-C		172 - 13	196 F) - F	225	- 2032

Lumber

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.

Wind loading based on both gable and hip roof types.

Additional Notes

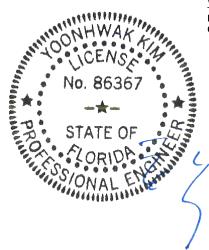
The overall height of this truss excluding overhang is 5-11-9

Maximum Bot Chord Forces Per Ply (lbs)

Cilolus	Tells.C	onip.	Cilolus	i ciis. v	Jonep.	ıp.	
A - H			G-F		- 159		
H-G	1818	- 204	F-E	1818	- 158		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	omp.	Webs	Tens. Comp.		
B-G			G - D	157	- 653	



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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: 466052 HIPS Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 FROM: CDM Qty: 1 DrwNo: 201.23.0758.04763 Truss Label: B04 KD / YK 07/20/2023 6'9"14 20'2"2 13' 6'9"14 6'2"2 6'2"2 Bracing **∥2X**4 **3** X 4 5'9", 4"1 K ∥2X4 =3X4 =2X10(A1) =6X8 =2X10(A1) 6'9"14 1'6" 6'2"2 7'2"2 6'9"14 6'9"14 13' 20'2"2 27 Loading Criteria (nef) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) Gravity Non-Gravity AT: NA PP Deflection in loc L/defl L/# Loc R+ /Rh /Rw /U e: NA VERT(LL): 0.103 J 999 240 VERT(CL): 0.189 J 999 180 В 1104 /-HORZ(LL): 0.038 G 1104 /592 /302 /-

Loading Criteria (psi)	willa Criteria	Show Criteria (Pg,Pi in
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CA
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce:
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA
Des Ld: 37.00	EXP: C Kzt: NA	
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:
Soffit: 2.00	BCDL: 3.0 psf	FBC 7th Ed. 2020 Res.
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)
	GCpi: 0.18	Plate Type(s):
	Wind Duration: 1.25	WAVE

HORZ(TL): 0.070 G Creep Factor: 2.0 Max TC CSI: 0.394 Max BC CSI: 0.570 Max Web CSI: 0.561 VIEW Ver: 22.02.00.0914.12

Wind reactions based on MWFRS Brg Wid = 6.0Min Reg = 1.5Brg Wid = 6.0 Min Req = 2.6 Bearings B & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 549 - 2009 640 - 1997 C - D 430 - 1411 - 2015 D-E 431 - 1247

Top chord: 2x4 SP #2;

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

Lumber

(a) Continuous lateral restraint equally spaced on

In lieu of structural panels use purlins to brace all flat

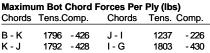
Wind

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 5-9-1.



Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. Webs Tens. Comp. 229 - 612 E - I 729 - 255



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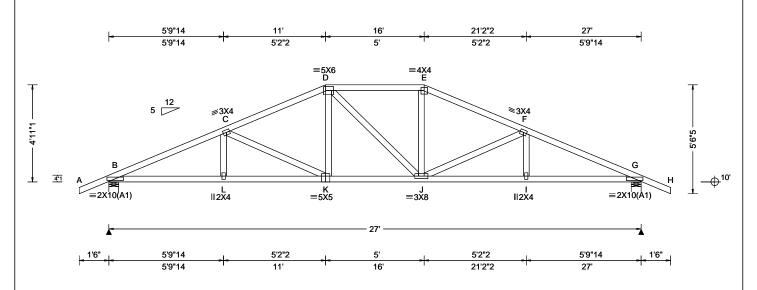
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SEQN: 466053 HIPS Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T39 FROM: CDM Qty: 1 DrwNo: 201.23.0758.06740 Truss Label: B05 KD / YK 07/20/2023



Loading Criteria (p	osf) Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	1
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.105 K 999 240	1
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.192 K 999 180	П
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.041 G	١,
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.075 G	١
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 3.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.262	1
Load Duration: 1.25		TPI Std: 2014	Max BC CSI: 0.476	Ш
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.312	Н
'	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		Ľ
	GCpi: 0.18	Plate Type(s):] :
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12	
Lumber	•	•	•	- (

▲ Maximum Reactions (lbs)							
	Gravity		No	on-Grav	vity		
Loc R	- /R-	/ Rh	/ Rw	/ U	/ RL		
B 110	4 /-	/-	/595	/303	/132		
G 110	4 /-	/-	/595	/303	/-		
Wind re	actions b	ased on	MWFRS				
B Brg	Wid = 6	0 Min	Req = 1.5	5			
G Brg	Wid = 6	0 Min	Req = 2.6	3			
Bearing	s B & G a	are a rigio	d surface.				
Membe	rs not list	ed have t	forces les	s than 3	375#		
Maximu	ım Top (hord Fo	rces Per	Ply (lb	s)		
Chords	Tens.Co	omp.	Chords	Tens.	Ćomp.		
в-с	561 -	2047	E-F	473	- 1577		
C-D	475 -	1584	F-G	561	- 2047		
D-E	466 -	1415					

Maximum Bot Chord Forces Per Ply (lbs)

Chords

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

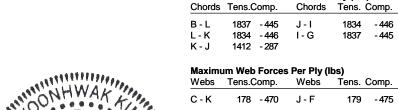
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is





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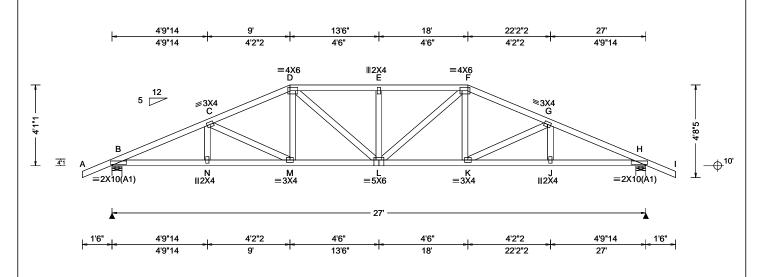
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SEQN: 466054 HIPS Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T38 FROM: CDM Qty: 1 DrwNo: 201.23.0758.08793 Truss Label: B06 KD / YK 07/20/2023



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: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.118 E 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.217 E 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.041 H
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.076 H
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.250
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.526
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.144
-	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12
Lumber			

▲ Ma	aximu	ım Read	tions	(lbs)		
	G	ravity		N	on-Grav	vity
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL
В	1104	/-	/-	/594	/305	/114
Н	1104	/-	/-	/594	/305	/-
Win	d reac	tions ba	sed or	MWFRS		
В	Brg V	Vid = 6.0) Mir	Req = 1.	5	
Н	Brg V	Vid = 6.0) Mir	n Req = 2.	6	
Bea	rings l	B&Har	e a rig	id surface.		
Men	nbers	not liste	d have	forces les	s than 3	375#
Max	imum	Top Cl	nord F	orces Per	Ply (lb	s)
Cho	rds T	ens.Co	mp.	Chords	Tens.	Ćomp.
В-0		570 - 2	072	E-F	554	- 1774
_ C - [)	515 - 1	749	F-G	515	- 1749
D - E	=	554 - 1	774	G-H	570	- 2072

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

Top chord: 2x4 SP #2;

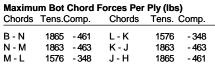
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is





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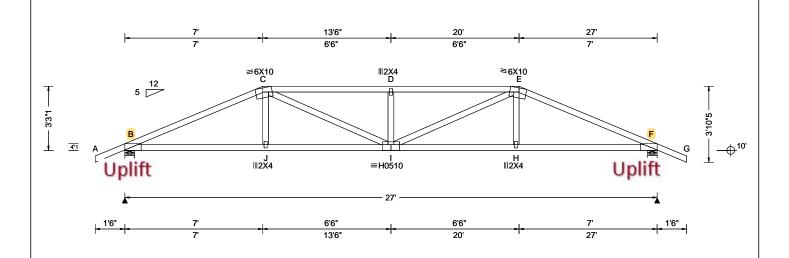
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SEQN: 466102 HIPS Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T5 FROM: CDM DrwNo: 201.23.0758.57467 Qty: 1 Truss Label: B07 KD / YK 07/20/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	ſ
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	İ
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.344 D 931 240	İ
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.634 D 505 180	l
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.091 F	ľ
Des Ld: 37.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.167 F	İ
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	İ
Soffit: 2.00	BCDL: 3.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.909	İ
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.715	İ
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.662	İ
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		İ
	GCpi: 0.18	Plate Type(s):		ĺ
	Wind Duration: 1.25	WAVE, HS	VIEW Ver: 22.02.00.0914.12	ĺ
Lumbor	<u> </u>	<u> </u>		

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 2592 /-/755 2592 /755 Wind reactions based on MWFRS Brg Wid = 6.0Min Reg = 2.1 (Truss) Brg Wid = 6.0 Min Req = 2.1 (Truss) Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 1646 - 5734 1971 - 6839 1971 - 6839 E-F 1646 - 5734

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

Special Loads

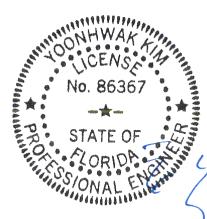
(Lumber	Dur.Fac.=1.	25 / Plate D	Our.Fac.=1.2	25)
TC: From	55 plf at	-1.50 to	55 plf at	7.00
TC: From	28 plf at	7.00 to	28 plf at	20.00
TC: From	55 plf at	20.00 to	55 plf at	28.50
BC: From	4 plf at	-1.50 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	7.03
BC: From	10 plf at	7.03 to	10 plf at	19.97
BC: From	20 plf at	19.97 to	20 plf at	27.00
BC: From	4 plf at	27.00 to	4 plf at	28.50
TC: 382 lb	Conc. Load	at 7.03,19	.97	
TC: 166 lb	Conc. Load	at 9.06,11.	.06,13.06,13	3.94
15.94,17.94				
BC: 477 lb				
BC: 125 lb	Conc. Load	at 9.06,11	.06,13.06,1	3.94
15.94,17.94				

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

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



C - J 1737 675 1 - E - 534 C - I 1737 - 534 H-E 675 0 478 - 867

Maximum Bot Chord Forces Per Ply (lbs)

Chords

H-F

Webs

Tens. Comp.

5224 - 1485

5257 - 1485

Tens. Comp.

Chords Tens.Comp.

J - I

Webs

5224 - 1485

5257 - 1485

Tens.Comp.

Maximum Web Forces Per Ply (lbs)

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SEQN: 466092 HIPS Ply: 2 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T68 FROM: CDM Qty: 1 DrwNo: 201.23.0759.40843 Truss Label: C01 KD / YK 07/20/2023 2 Complete Trusses Required 6'3"5 11'6" 14'6" 22'8"11 29 17'6' 5'2"11 5'2"11 6'3"5 6'3"5 Bracing ₩5X10 D ∥2X4 W: WE 5,1 9 M ∥2X4 K ≡12X14 L ∥4X12 ∥2X4 =4X5(A1) Uplift 18'9" 10'3" 4'1"8 4'1"3 3'11"11 6'3"5 6'3"5 4'3" 6'3"5 10'4"13 14'6' 18'9" 22'8"11 29' Loading Criteria (nef) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria lbs) Non-Gravity Ct: NA CAT: NA Pg: NA PP Deflection in loc L/defl /Rw /U /RL

Loading Criteria (psi)	Willia Criteria
TCLL: 20.00	Wind Std: ASCE 7-16
TCDL: 7.00	Speed: 130 mph
BCLL: 0.00	Enclosure: Closed
BCDL: 10.00	Risk Category: II
	EXP: C Kzt: NA
Des Ld: 37.00	Mean Height: 15.00 ft
NCBCLL: 0.00	TCDL: 4.2 psf
Soffit: 2.00	BCDL: 3.0 psf
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2
Spacing: 24.0 "	C&C Dist a: 3.00 ft
	Loc. from endwall: not in 9.00 ft
	GCpi: 0.18
	Wind Duration: 1.25

Pf: NA VERT(LL): 0.083 L 999 Ce: NA VERT(CL): 0.156 L 999 Lu: NA Cs: NA Snow Duration: NA HORZ(LL): 0.016 C HORZ(TL): 0.029 C **Building Code:** Creep Factor: 2.0 FBC 7th Ed. 2020 Res. Max TC CSI: 0.428 TPI Std: 2014 Max BC CSI: 0.264 Rep Fac: No Max Web CSI: 0.743 FT/RT:20(0)/10(0) Plate Type(s):

Defl/CSI Criteria	▲ Maximum Reactions (II	os)
PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
VERT(LL): 0.083 L 999 240	Loc R+ /R- /Rh	/Rw /U /
VERT(CL): 0.156 L 999 180	_	/- <mark>/743</mark> /
HORZ(LL): 0.016 C	J 9145 /- /-	/- /2488 /
HORZ(TL): 0.029 C	H - /- /-	/- /- /
Creep Factor: 2.0	Wind reactions based on N	/WFRS
Max TC CSI: 0.428	N Brg Wid = 6.0 Min F	
Max BC CSI: 0.264	J Brg Wid = 6.0 Min F	
Max Web CSI: 0.743	H Brg Wid = 6.0 Min F	≀eq = 1.5
Max Web CSI. 0.745	Bearings N, J, & H are a rig	gid surface.
	Members not listed have for	rces less than 37
	Maximum Top Chord For	ces Per Ply (lbs)
VIEW Ver: 22.02.00.0914.12	Chords Tens.Comp. (Chords Tens. Ć

J Brg	Wid = 6.0	Min Req = 3.	8 (Truss	s)				
H Brg	Wid = 6.0	Min Req = 1.	5	•				
Bearings N, J, & H are a rigid surface.								
Member	Members not listed have forces less than 375#							
Maximum Top Chord Forces Per Ply (lbs)								
Chords	Chords Tens.Comp. Chords Tens. Comp.							
3 - C	844 - 361	8 E-F	327	- 1930				
C - D	736 - 324	1 F-G	973	- 411				

/743 /-

/2488 /-

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31; Bot chord: 2x8 SP 2400f-2.0E; Webs: 2x4 SP #3; W3,W6 2x4 SP #2;

(a) Continuous lateral restraint equally spaced on

Nailnote

Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @ 4.25" o.c. Webs : 1 Row @ 4" o.c. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

opoola. Loado						
(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)						
TC: From	55 plf at	-1.50 to	55 plf at	7.12		
TC: From	28 plf at	7.12 to	28 plf at	17.50		
TC: From			55 plf at	29.00		
BC: From			4 plf at	0.00		
BC: From		0.00 to	20 plf at	7.12		
BC: From		7.12 to	10 plf at	29.00		
BC: 1806 II	Conc. Load	lat 9.06,11	.06,13.06,1	5.06		
17.06						
BC: 272 II	Conc. Load	l at 19.06,2	1.06			
	Conc. Load					
BC: 238 II	Conc. Load	l at 25.06,2°	7.06			

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

WAVE Wind

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

Additional Notes

The overall height of this truss excluding overhang is



D-E	327 - 1930	_	578	

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	Comp.	Chords	Tens. (Comp.
B - M	3316	- 767	J - I	194	- 511
M - L	3308	- 766	I - H	191	- 503
I - K	2492	- 535			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C-L	113 - 397	K-F	3289 - 843
L - D	2106 - 590	F-J	934 - 3328
D - K	385 - 1108	J - G	209 - 442

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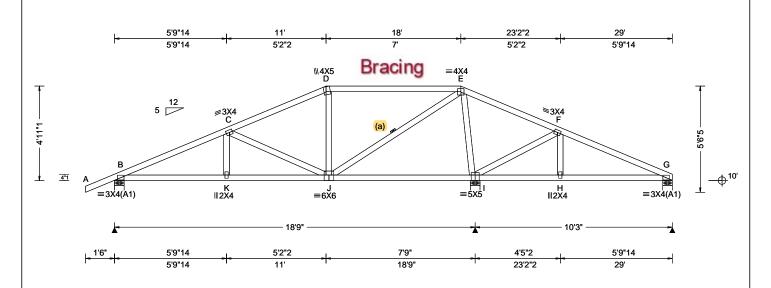
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 466055 HIPS Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 FROM: CDM Qty: 1 DrwNo: 201.23.0759.48653 Truss Label: C02 KD / YK 07/20/2023



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: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.034 K 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.065 K 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.009 C
Des Ld: 37.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.017 C
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.674
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.454
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.416
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12
Lumbor	·	·	

Loc R+ /Rh /Rw /U /RL В 725 /418 /117 /120 1347 /-/-/645 /200 /-276 /159 /67 Wind reactions based on MWFRS Brg Wid = 6.0 Min Req = 1.5 Brg Wid = 6.0 Min Req = 2.6 Brg Wid = 6.0 Min Req = 1.5 Bearings B, I, & 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.

Non-Gravity

▲ Maximum Reactions (lbs) Gravity

B - C D-E - 538 196 - 1103 163 - 635 C-D E-F 483 - 36

Maximum Bot Chord Forces Per Ply (lbs)

onordo rono.comp. chor	
B - K 968 - 175 K - J	964 - 175

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Com	np. Webs	Tens.	Comp.
C-J	118 -4	168 E-I	208	- 959
J-E	909 - 1	76 I-F	131	- 550

Lumbei

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

Bracing

(a) Continuous lateral restraint equally spaced on

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

Wind

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 4-11-1.



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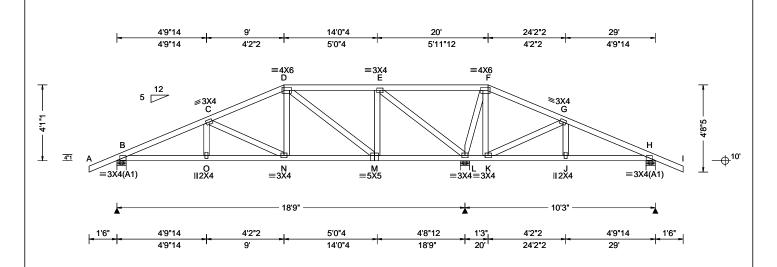
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SEQN: 466056 HIPS Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T2 FROM: CDM Qty: 1 DrwNo: 201.23.0759.58970 Truss Label: C03 KD / YK 07/20/2023



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: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.031 C 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.060 C 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.011 L
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.021 L
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.523
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.276
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.793
'	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12
Lumber			

▲ Maximum Reactions (lbs)							
	G	ravity		No	on-Grav	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
В	700	/-	/-	/402	/121	/114	
L	1414	/-	/-	/674	/265	/-	
Н	347	/-	/-	/209	/79	/-	
Wi	nd read	tions b	ased on N	/WFRS			
В	Brg V	Vid = 6	.0 Min F	Req = 1.5	5		
L	Brg V	Vid = 6	.0 Min F	Req = 2.6	3		
Н	Brg V	Vid = 6	.0 Min F	Req = 1.5	5		
Bea	arings l	B, L, &	H are a rig	gid surfa	ce.		
Members not listed have forces less than 375#							
Maximum Top Chord Forces Per Ply (lbs)							
Ch	ords 1	ens.Co	omp. (Chords	Tens.	Ćomp.	
	_						

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

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is

THIS TRUSS MUST BE INSTALLED AS SHOWN AND NOT END FOR END.

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Bearings B, L, & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)						
Chords Tens.Comp. Chords Tens.Comp.						
B - C C - D	212 - 1093 185 - 728		617 485	- 71 - 64		
Maximum Bot Chord Forces Per Ply (Ibs)						

Chords	Tens.Comp.		Chords	Tens. Comp.	
B - O	967	- 167	N - M	631	- 97
O - N	963	- 168	L-K	128	- 417

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens. Comp.	
C - N	90	- 376	E-L	278	- 1105
D - M	55	- 412	L-F	132	- 638
M - E	390	-3	K-G	101	- 463

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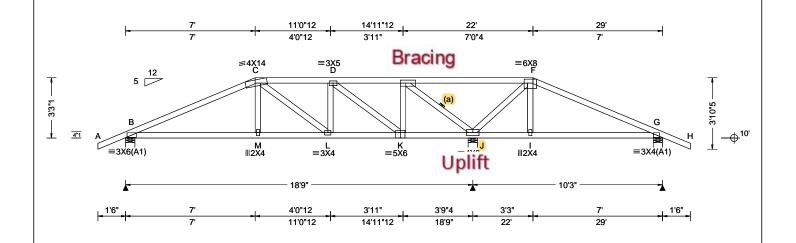
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SEQN: 466104 HIPS Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T34 FROM: CDM Qty: 1 DrwNo: 201.23.0800.17267 Truss Label: C04 KD / YK 07/20/2023



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: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.093 M 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.172 M 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.032 J
Des Ld: 37.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.059 J
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.765
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.757
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.868
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12
Lumber		Wind	

er	

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

Bracing

(a) Continuous lateral restraint equally spaced on

Special Loads

(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)							
TC: From	55 plf at	-1.50 to	55 plf at	7.00			
TC: From	28 plf at	7.00 to	28 plf at	22.00			
TC: From		22.00 to	55 plf at	30.50			
BC: From	4 plf at	-1.50 to	4 plf at	0.00			
	20 plf at		20 plf at	7.03			
BC: From	10 plf at	7.03 to	10 plf at	21.97			
	20 plf at		20 plf at	29.00			
	4 plf at		4 plf at	30.50			
TC: 382 lb	Conc. Load	at 7.03					
TC: 166 lb	Conc. Load	lat 9.06,11	.06,13.06,1	4.50			
15.94,17.94,							
	TC: 388 lb Conc. Load at 21.97						
	Conc. Load						
	Conc. Load	at 9.06,11	.06,13.06,1	4.50			
15.94,17.94,							
BC: 479 lb	Conc. Load	d at 21.97					
I							

Purlins

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

THIS TRUSS MUST BE INSTALLED AS SHOWN AND NOT END FOR END.

Wind

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

Additional Notes

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

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 1397 /414 /-3922 /-/-/1125 /-G 433 /83 Wind reactions based on MWFRS Brg Wid = 6.0 Min Req = 1.6 (Truss) Brg Wid = 6.0 Min Req = 4.6 (Truss) Brg Wid = 6.0 Min Req = 1.5 (Truss) Bearings B, J, & G are a rigid surface. Members not listed have forces less than 375# **Maximum Top Chord Forces Per Ply (lbs)** Chords Tens.Comp. Chords Tens. Comp.

B - C	786 - 2708	D - E	261	- 808
C - D	580 - 2025	E - F	1936	- 593

Maximum Bot Chord Forces Per Ply (IDS)							
Chords Tens.Comp.		Chords	Tens. (Comp.			
B - M	2436	- 692	L-K	1964	- 573		
M - I	2467	- 692	KI	681	- 239		

Maximum Web Forces Per Ply (lbs)							
Webs	Tens.C	omp.	Webs	Tens.	Comp.		
C - M	622	0	K-E	1291	- 218		
C - L	140	- 554	E - J	1075	- 3379		
L-D	619	- 70	J - F	678	- 2294		
D - K	403 -	1493	I-F	655	- 20		



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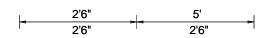
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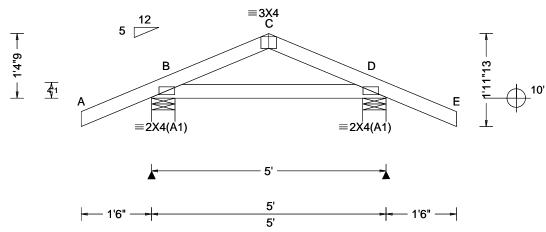
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SEQN: 466057 COMN Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T1 FROM: CDM Qty: 8 DrwNo: 201.23.0800.34243 Truss Label: D01 KD / YK 07/20/2023





NCBCLL: 10.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Spacing: 24.0 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi: 0.10 ft GCpi	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
WAVE VIII DEIGHOUS 11.12	TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 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: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any	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)	PP Deflection in loc L/defl L/# VERT(LL): 0.001 D 999 240 VERT(CL): 0.004 D 999 180 HORZ(LL): 0.001 B HORZ(TL): 0.002 B Creep Factor: 2.0 Max TC CSI: 0.139 Max BC CSI: 0.125

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 277 /177 277 /105 /86 /-Wind reactions based on MWFRS Brg Wid = 6.0 Min Req = 1.5 Brg Wid = 6.0 Min Req = 2.6 Bearings B & D are 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.

Additional Notes

The overall height of this truss excluding overhang is



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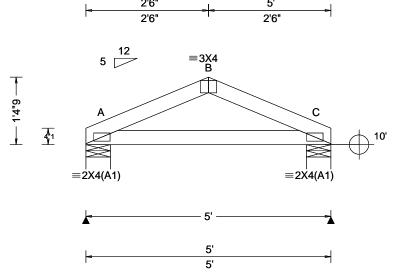
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 466058 COMN Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T44 FROM: CDM Qty: 1 DrwNo: 201.23.0800.36027 Truss Label: D02 KD / YK 07/20/2023



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: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.002 C 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.005 C 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 A
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.002 A
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.080
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.140
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 188 /97 /23 188 /97 /20 /-Wind reactions based on MWFRS Brg Wid = 6.0 Min Req = 1.5 Brg Wid = 6.0 Min Req = 2.6 Bearings A & C are a rigid surface. Members not listed have forces less than 375#

Lumber

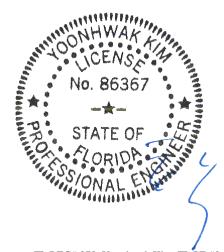
Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is



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SEQN: 466081 FLAT Ply: 2 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T54 Qty: 1 FROM: CDM DrwNo: 201.23.0800.48000 Page 1 of 2 Truss Label: FG01 KD / YK 07/20/2023 2 Complete Trusses Required 6'8"8 13'3"4 19'10" 26'4"12 32'11"8 39'8" 6'8"8 6'6"12 6'6"12 6'6"12 6'6"12 6'8"8 ≡5X10 ≡4X6 B =5X5 ∥2X4 D ≡5X5 F ≡4X6 F ≡5X10 G W1 5'5"3 W2 **→**^{14'} =8X8B2 L K ≡7X8 вз Ј H =8X8 Uplift =4X6 =4X6 39'8' 6'8"8 6'6"12 6'6"12 6'6"12 6'6"12 6'8"8 6'8"8 13'3"4 19'10' 26'4"12 32'11"8 39'8" ▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U / RL 4795 /-/1822 /-4890 /-/1860 /-

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 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: 19.43 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.97 ft Loc. from endwall: Any GCpi: 0.18 Wind 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: No FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.337 D 999 240 VERT(CL): 0.623 D 764 180 HORZ(LL): 0.090 A HORZ(TL): 0.167 A Creep Factor: 2.0 Max TC CSI: 0.727 Max BC CSI: 0.553 Max Web CSI: 0.802 VIEW Ver: 22.02.00.0914.12
Lumber	Willa Daration. 1.25	WAVE	VIEW Vei. 22.02.00.0314.12

Wind reactions based on MWFRS

Chords Tens.Comp.

Brg Wid = 6.0 Min Reg = 2.8 (Truss) Brg Wid = -Min Req = Bearing N is a rigid surface.

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

A - B	1068 - 2808	D-E	1899	- 4990
B-C	1684 - 4426	E-F	1685	- 4429
C-D	1899 - 4990	F-G	1071	- 2815

Chords Tens. Comp.

Bot chord: 2x6 SP #2; B2,B3 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W2,W12 2x4 SP #2; **Nailnote**

Top chord: 2x4 SP #2:

Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @ 7.50" 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 0.00 to 27 plf at 27 plf at 0.00 to 10 plf at 39.67 10 plf at BC: 433 lb Conc. Load at 2.06, 4.06, 6.06, 8.06 10.06,12.06,14.06,16.06,18.06,20.06,22.06,24.06 26.06,28.06,30.06,32.06,34.06,36.06,38.06

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



Chords	Tens.Comp.	Chords	Tens. Comp.
M - L	2885 - 1099	K - J	4458 - 1697
L - K	4455 - 1696	J - I	2893 - 1102

Maximum Web Forces Per Ply (lbs)

webs	rens.comp.	vvebs	rens.	Comp.
A - N	845 - 2202	K-E	678	- 257
A - M	3545 - 1348	E-J	209	- 505
M - B	532 - 1346	J - F	1973	- 749
B-L	1979 - 751	F-I	531	- 1342
L-C	209 - 507	I - G	3554	- 1352
C - K	681 - 259	G - H	847	- 2207



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SEQN: 466081 FLAT Ply: 2 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T54 FROM: CDM DrwNo: 201.23.0800.48000 Qty: 1 Page 2 of 2 Truss Label: FG01 KD / YK 07/20/2023

Hangers / Ties

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

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

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

Bearing at location x=39'5" uses the support conditions: 39'5" Bearing H (39'5", 14') HGUS28-2 Supporting Member: (2)2x8 SP #2 (36) 0.148"x3" nails into supporting uses the following member (12) 0.148"x3" nails into supported member.



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SEQN: 466059 GABL Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T55 FROM: CDM DrwNo: 201.23.0800.49980 Qty: 1 Truss Label: G01 KD / YK 07/20/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	•
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 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: 19.70 ft TCDL: 4.2 psf BCDL: 2.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 5.00 ft Loc. from endwall: Any 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: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.002 AA 999 240 VERT(CL): 0.003 AA 999 180 HORZ(LL): 0.015 N HORZ(TL): 0.020 N Creep Factor: 2.0 Max TC CSI: 0.186 Max BC CSI: 0.078 Max Web CSI: 0.131	Lo
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12	
Lumber		Additional Notes		

Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity oc R+ /R /Rw /U /RL A*77 /-/39 Vind reactions based on MWFRS A Brg Wid = 599 Min Req = searing BA is a rigid surface. Members not listed have forces less than 375#

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

(a) Continuous lateral restraint equally spaced on member

Plating Notes

All plates are 2X4 except as noted.

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

Purlins

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

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.

See DWGS A14030ENC160118 & 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.

WARNING: Furnish a copy of this DWG to the installation contractor. Special calculations of true See "WARNING" note held the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the warm of the w

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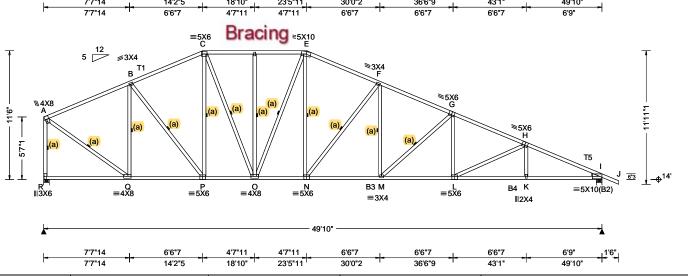
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A 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: 466060 COMN Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T62 FROM: CDM Qty: 19 Elfers DrwNo: 201.23.0800.52713 Truss Label: G02 KD / YK 07/20/2023 14'2"5 18'10" 23'5"11 30'0"2 36'6"9 43'1" 49'10"



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: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.362 M 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.600 M 994 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.125 I
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.207 I
NCBCLL: 10.00	Mean Height: 19.70 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: 0.901
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.753
Spacing: 24.0 "	C&C Dist a: 4.98 ft	Rep Fac: Yes	Max Web CSI: 0.826
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12
Lumban			

▲ Maximum Reactions (lbs) Non-Gravity Gravity Loc R+ /R /Rh /Rw /U /RL R 2276 /-/905 /356 /304 /-/1137 /456 /-2211 Wind reactions based on MWFRS Brg Wid = 6.0Min Reg = 2.7 (Truss) Brg Wid = 6.0 Min Req = 1.8 (Truss) Bearings R & 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. 327 - 1988 - 2803 B - C 417 - 2332 F-G 643 - 3523 C-D 438 - 2377 G-H 767 - 4131

Top chord: 2x4 SP #2; T1,T5 2x4 SP M-31; Bot chord: 2x4 SP #2; B3,B4 2x4 SP M-31; Webs: 2x4 SP #3;

Rt Wedge: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member

Loading

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

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

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

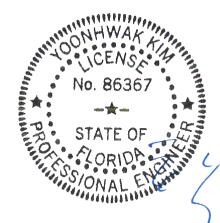
Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

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

The overall height of this truss excluding overhang is 11-6-0.



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Maximum Bot Chord Forces Per Ply (lbs)

438 - 2377

Chords	Tens.C	omp.	Chords	Tens. (Comp.	
Q - P	1800	- 70	M - L	3743	- 518	
-0	2076	0	L-K	4041	- 704	
N - C	2520	- 70	K-I	4041	- 702	
N - M	3166	- 299				

854 - 4480

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
A - R	374 - 2159	E-N	1087 - 268	
A - Q	2168 - 292	N - F	379 - 1069	
Q - B	219 - 960	F-M	763 - 154	
B - P	457 - 56	M - G	291 - 755	
C - O	786 - 99	G-L	394 - 58	
0 - F	190 - 375			

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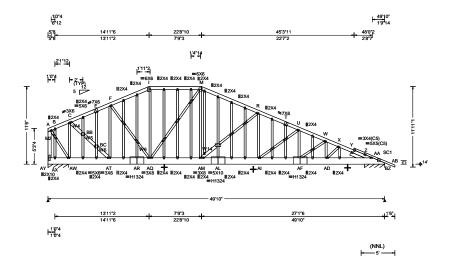
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SEQN: 466082 GABL Ply: 4 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 DrwNo: 201.23.0802.29513 FROM: CDM Qty: 1 Page 1 of 2 Truss Label: G03 KD / YK 07/20/2023

4 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 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: 2.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft Loc. from endwall: Any 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: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.028 Q 999 240 VERT(CL): 0.052 Q 999 180 HORZ(LL): 0.007 I HORZ(TL): 0.013 I Creep Factor: 2.0 Max TC CSI: 0.066 Max BC CSI: 0.169 Max Web CSI: 0.121
	Wind Duration: 1.25	WAVE, HS	VIEW Ver: 22.02.00.0914.12

▲ Maxim	um Read Gravity	ctions (I		PLF	<i>i</i> itv
oc R+		/ Rh		/U	/RL
Y*645	/-	/-	/317	/171	/97
Z* 662	/-	/-	/381	/188	/-
ΑY	/-564				
ΑX	/-270				
Wind read	ctions ba	ased on N	MWFRS		
AY Brg V	Vid = 36	.0 Min f	Req = -		
BZ Brg V	Vid = 36	.0 Min I	Req = -		
Bearings	AY & Z	are a rigi	d surface	١.	
Members	not liste	d have fo	orces les	s than 3	375#
Maximun	Top C	hord Fo	rces Per	Ply (lb	s)
Chords 7					

T56

M - R U - W 120 - 438 187 -682 - 600 W - X 183 - 659 R - T 164 X - Y T - U 166 - 604 145 - 526

Stack Chord: SC1 2x4 SP #2; Rt Slider: 2x6 SP #2; block length = 2.200'

Bot chord: 2x12 SP #2; Webs: 2x4 SP #3; W4,W5,W6,W14,M2 2x6 SP #2;

Nailnote

Top chord: 2x6 SP #2;

Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @12.00" o.c. Webs : 1 Row @ 4" o.c.

Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

In addition, apply (1) 0.22"-0.25" min/max dia. X 6.0" length wood screw at each joint location.

Plating Notes

All plates are 3X4 except as noted.

Purlins

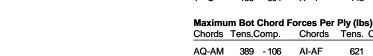
In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" oc, all BC @ 24" oc.

Wind loads based on MWFRS.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

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



Tens. Comp. 621 - 170 AF-AD AM-AL 547 - 149 605 - 166 546 - 149 AI -AI AD-AA 989 - 276

Maximum Web Forces Per Ply (lbs) Tens.Comp. Webs Tens. Comp. C-BB 379 - 102 BC-AT 408 - 110

Maximum Gable Forces Per Ply (lbs)

Gables Tens.Comp.

AW- C 111 - 389

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SEQN: 466082 GABL Ply: 4 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T56 FROM: CDM DrwNo: 201.23.0802.29513 Qty: 1 Page 2 of 2 Truss Label: G03 KD / YK 07/20/2023

Additional Notes

See DWGS A14030ENC160118 & 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.

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

The overall height of this truss excluding overhang is 11-6-0.

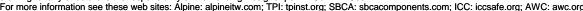


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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

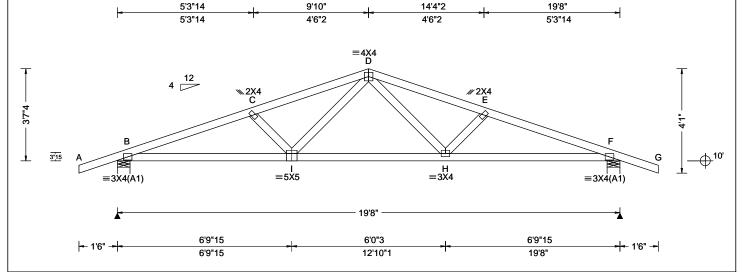
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SEQN: 466061 COMN Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T51 FROM: CDM Qty: 5 DrwNo: 201.23.0802.31440 Truss Label: H01 KD / YK 07/20/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	4
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 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: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any 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: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.076 D 999 240 VERT(CL): 0.138 D 999 180 HORZ(LL): 0.023 F HORZ(TL): 0.042 F Creep Factor: 2.0 Max TC CSI: 0.219 Max BC CSI: 0.489 Max Web CSI: 0.166	E F V E F E N
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12] E
Lumber				•

	▲ Maximum Reactions (lbs)						
			Gravity	CLIOIIS		on-Grav	vitv
0	Loc		/ R-	/Rh		/ U	
n	В 8	324	/-	/-	/407	/230	/74
-		324		/-	/365		
	Wind	read	ctions b	ased or	MWFRS		•
		Brg V	Vid = 6.	0 Mir	Req = 1.5	5	
					n Req = 2.6	6	
		_		_	d surface.		
	_				forces les		-
					orces Per		•
	Choi	us	rens.cc	mp.	Chords	rens.	Comp.
	B - C				D-E	423	- 1455
	' C - D)	424 -	1454	E-F	466	- 1633

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is

Maximum Bot Chord Forces Per Ply (lbs)

Cnoras	rens.Comp.	Cnoras	rens. Co	mp.
B - I	1513 - 387	H-F	1514 -	387
I - H	1049 - 227			

Maximum Web Forces Per Ply (lbs)

ebs	Tens.C	omp.	Webs	Tens. C	omp.
D	435	- 98	D-H	436	- 97



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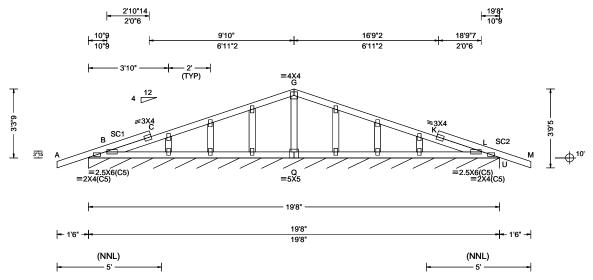
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SEQN: 466062 GABL Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T52 FROM: CDM Qty: 1 DrwNo: 201.23.0802.33027 Truss Label: H02 KD / YK 07/20/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
	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): 0.002 K 999 240
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.005 B 999 180
	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 K
Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.001 K Creep Factor: 2.0 Max TC CSI: 0.199 Max BC CSI: 0.063 Max Web CSI: 0.026
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12
I			

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL U* 84 /-/-Wind reactions based on MWFRS U Brg Wid = 236 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; Stack Chord: SC1 2x4 SP #2;

Stack Chord: SC2 2x4 SP #2;

Plating Notes

All plates are 2X4 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

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.

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



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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: 466094 HIP_ Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T14 FROM: CDM Qty: 6 DrwNo: 201.23.0802.38637 Truss Label: HJ01 KD / YK 07/20/2023 5'5"1 9'10"13 5'5"1 4'5"12 D Ĉ В 3"13 G ∥2X4 F E ≡4X4 5'5"1 4'2"4 5'5"1 9'7"5 ▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 418 /125 /-

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: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.027 G 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.050 G 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.006 F
Des Ld: 37.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.011 F
NCBCLL: 0.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.509
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.525
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.325
	Loc. from endwall: NA	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12
Lumber			

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

Loading

Hipjack supports 7-0-0 setback jacks with no webs.

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

The overall height of this truss excluding overhang is

В Е Wind reactions based on MWFRS

B - C 204 - 774

352

216

Brg Wid = 8.5

Brg Wid = 1.5

Brg Wid = 1.5

Chords Tens.Comp.

Bearing B is a rigid surface.

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

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

/-

/51 /-/-

Min Req = 1.5 (Truss)

Min Req = -

Min Req = -

/101

B - G 725 - 188 G-F 716 - 191

Maximum Web Forces Per Ply (lbs)

Tens.Comp. Webs C-F 206 - 772



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SEQN: 466096 HIP_ Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T15 FROM: CDM Qty: 1 DrwNo: 201.23.0803.02060 Truss Label: HJ02 KD / YK 07/20/2023 5'5"1 9'10"13 5'5"1 4'5"12 D C В 3"13 G ∥2X4 F E ≡4X4 5'5"1 4'2"4 9'10"13 5'5"1 9'7"5 ▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL

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: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.027 G 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.050 G 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.006 F
Des Ld: 37.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.011 F
NCBCLL: 0.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.509
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.525
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.325
	Loc. from endwall: NA	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12

Lumber

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

Loading

Hipjack supports 7-0-0 setback jacks with no webs.

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

The overall height of this truss excluding overhang is

В Е Wind reactions based on MWFRS Bearing B is a rigid surface. Members not listed have forces less than 375#

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

Brg Wid = 8.5

Brg Wid = 1.5

Brg Wid = 1.5

418

352

216

B - C

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

/-

B - G 725 - 188 G-F 716 - 191

/125 /-

/51 /-/-

Min Req = 1.5 (Truss)

Min Req =

Min Req = -

/101

Maximum Web Forces Per Ply (lbs)

204 - 774

Tens.Comp. Webs C-F 206 - 772



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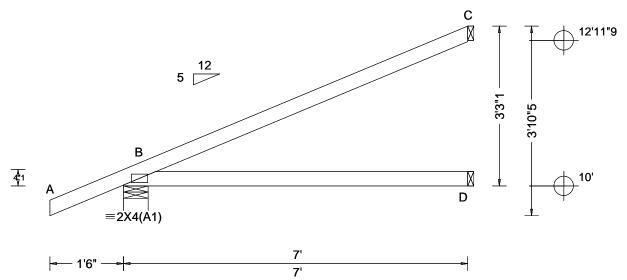
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SEQN: 466063 **EJAC** Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T12 FROM: CDM Qty: 40 DrwNo: 201.23.0803.05037 Truss Label: J01 KD / YK 07/20/2023



Defl/CSI Criteria

Loading Criteria (psi)	Willia Criteria	Show Cinteria (Pg,Pi in PSF)	Deli/Coi Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 7.00	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): 0.015 B
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.026 B
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.629
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.485
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12

Snow Criteria (Pa Pf in PSE)

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 370 /230 /120 125 /-/68 /-166 /84 Wind reactions based on MWFRS Brg Wid = 6.0 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#

Lumber

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

Loading Criteria (nef) Wind Criteria

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

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



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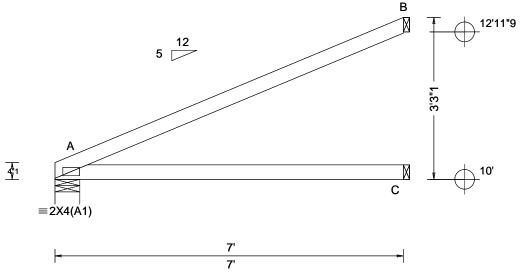
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SEQN: 466064 **EJAC** Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T13 FROM: CDM Qty: 3 DrwNo: 201.23.0803.06503 Truss Label: J02 KD / YK 07/20/2023



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: 7.00	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): 0.017 A
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.032 A
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.675
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.500
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12

	G	avity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Α	269	/-	/-	/155	/48	/102
С	127	/- /-	/-	/73	/-	/-
В	172	/-	/-	/89	/94	/-
Win	d read	ctions b	ased on N	/WFRS		
Α	Brg V	Vid = 6	.0 Min F	Req = 1.5	5	
С	Brg V	Vid = 1.	5 Min F	Req = -		
В	Brg V	Vid = 1.	5 Min F	Req = -		
Bea	ring A	is a rig	id surface	e		
	_	_	ed have fo		s than	375#

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.

Additional Notes

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



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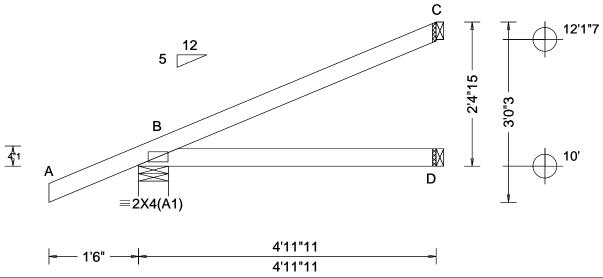
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SEQN: 466065 JACK Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 FROM: CDM Qty: 13 DrwNo: 201.23.0803.08237 Truss Label: J03 KD / YK 07/20/2023



Defl/CSI Criteria

Loading Criteria (psi)	Willia Criteria	Show Chiteria (Pg,Phin PSF)	Deli/Coi Cilleria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 7.00	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): 0.004 B
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.008 B
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.269
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.219
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
-	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12
Lumber			

Snow Criteria (Pa Pf in PSE)

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 298 /190 /90 D 87 /-/46 /-112 /56 /63 Wind reactions based on MWFRS Brg Wid = 6.0 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;

Loading Criteria (nef) Wind Criteria

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is



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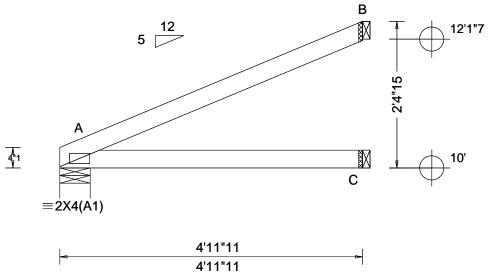
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SEQN: 466066 JACK Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 FROM: CDM Qty: 1 DrwNo: 201.23.0803.10400 Truss Label: J04 KD / YK 07/20/2023



Defl/CSI Criteria

Luaumy Cinteria (psi)	Willia Criteria	SHOW CITIENTA (FG,FIIII FSF)	Deli/Col Ciliteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 7.00	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): 0.006 A
Des Ld: 37.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.011 A
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.312
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.231
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12
Lumber			

Snow Criteria (Pa Pf in PSF)

Gravity			Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
	193		/-	/111	/34	/73
С	89	/-	/-	/51	/-	/-
В	121	/-	/-	/62	/66	/-
Win	d read	ctions b	ased on N	/WFRS		
Α	Brg V	Vid = 6.	0 Min F	Req = 1.5	5	
С	Brg V	Vid = 1.	5 Min F	. = eq		
В	Brg V	Vid = 1.	5 Min F	?eq = -		
Bea	ring A	is a rig	id surface).		
Mer	nbers	not liste	ed have fo	rces les	s than	375#

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

Loading Criteria (nef) Wind Criteria

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 2-4-15.



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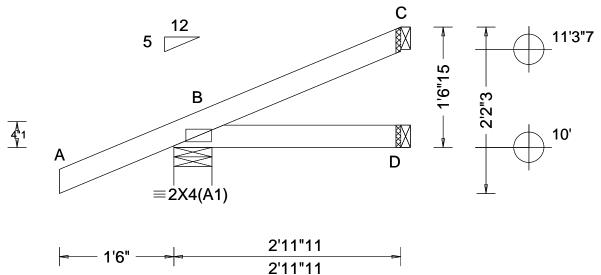
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SEQN: 466067 JACK Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T7 FROM: CDM Qty: 13 DrwNo: 201.23.0803.11980 Truss Label: J05 KD / YK 07/20/2023



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/#	١.
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	ı
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 B	ı
Des Ld: 37.00	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	١.
Soffit: 2.00	BCDL: 3.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.139	Ľ
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.060	ľ
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000	Lì
-	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		li
	GCpi: 0.18	Plate Type(s):		Ι.
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12	
Lumber		•		

	um Rea	Non-Gravity			
Gravity					•
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B 235	/-	/-	/155	/59	/61
D 48	/-	/-	/26	/-	/-
C 54	/-	/-		/33	
Wind read	ctions b	ased on N	/WFRS		
B Brg V	Vid = 6.	0 Min F	Req = 1.5	5	
D Brg V	Vid = 1.	5 Min F	Req = -		
C Brg V	Vid = 1.	5 Min F	Req = -		
Bearing E	is a rig	id surface).		
Members	not liste	ed have fo	rces 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.

Additional Notes

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



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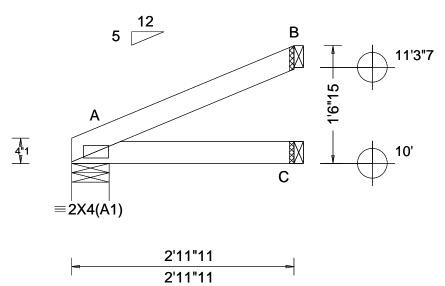
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SEQN: 466068 JACK Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T10 FROM: CDM Qty: 1 DrwNo: 201.23.0803.13773 Truss Label: J06 KD / YK 07/20/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 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: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18	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): NA VERT(CL): NA HORZ(LL): 0.001 A HORZ(TL): 0.002 A Creep Factor: 2.0 Max TC CSI: 0.095 Max BC CSI: 0.078 Max Web CSI: 0.000
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12
Lumber			

	G	avity		N	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Α	118	/-	/-	/67	/20	/43
С	52	/-	/-	/30	/0	/-
В	70	/-	/-	/36	/38	/-
Win	d read	ctions b	ased on N	/WFRS		
Α	Brg V	Vid = 6.	0 Min F	Req = 1.8	5	
С	Brg V	Vid = 1.	5 Min F	Req = -		
В	Brg V	Vid = 1.	5 Min F	Req = -		
Bea	ring A	is a rig	id surface	e		
Mer	nbers	not liste	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 member design.

Wind loading based on both gable and hip roof types.

Additional Notes

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



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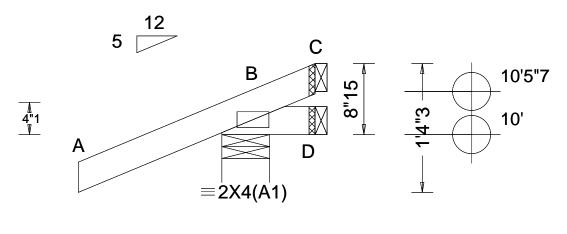
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SEQN: 466069 JACK Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 FROM: CDM Qty: 13 DrwNo: 201.23.0803.15997 Truss Label: J07 KD / YK 07/20/2023



1'6 "	11"11 _	
10	11"11	1

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: 7.00	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): -0.000 B
Des Ld: 37.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.000 B
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 3.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.139
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.019
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: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12
Lumber			_

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 229 /-/165 /31 D /-17 /-/17 /17 /-5 /-/-50 /36 /43 Wind reactions based on MWFRS Brg Wid = 6.0 Min Req = 1.5 Brg Wid = 1.5 Brg Wid = 1.5 Min Req = -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.

Additional Notes

The overall height of this truss excluding overhang is 0-8-15.



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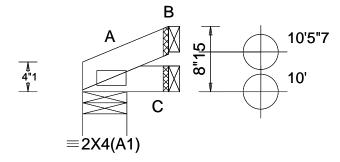
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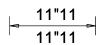
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 466070 JACK Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T11 FROM: CDM Qty: 1 DrwNo: 201.23.0803.17970 Truss Label: J08 KD / YK 07/20/2023







Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ N
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Stid: 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: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any 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: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.000 A HORZ(TL): 0.000 A Creep Factor: 2.0 Max TC CSI: 0.006 Max BC CSI: 0.006 Max Web CSI: 0.000	Loc A C B Wii A C B Bea Me
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12	

▲ IVI			ctions (II	•	_	
	G	ravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Α	43	/- /- /- /-	/-	/24	/6 /2	/14
С	14	/-	/-	/9	/2	/-
В	18	/-	/-	/10	/10	/-
Win	d read	ctions ba	ased on N	/WFRS		
Α	Brg V	Vid = 6.	0 Min F	Req = 1.5	5	
С	Brg V	Vid = 1.	5 Min F	Reg = -		
В	Brg V	Vid = 1.	5 Min F	Req = -		
Bea	ring A	is a rig	id surface). •		
Men	nbers	not liste	ed have fo	orces les	s than	375#

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.

Additional Notes

The overall height of this truss excluding overhang is 0-8-15.



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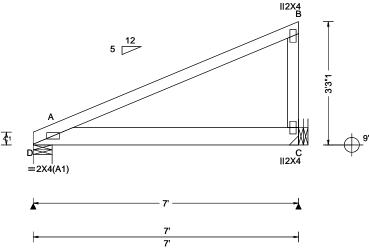
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SEQN: 466085 **EJAC** Ply: 2 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T64 FROM: CDM Qty: 1 DrwNo: 201.23.0803.24673 Truss Label: J09 KD / YK 07/20/2023

2 Complete Trusses Required



DefI/CSI Criteria
P Deflection in loc L/defl L/#
/ERT(LL): NA
/ERT(CL): NA
IORZ(LL): 0.027 A
IORZ(TL): 0.050 A
Creep Factor: 2.0
Max TC CSI: 0.673
Max BC CSI: 0.724
Max Web CSI: 0.248
/IEW Ver: 22.02.00.0914.12
0//112///

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 1537 /-/232 1961 /-/-Wind reactions based on MWFRS Brg Wid = 6.0 Min Reg = 1.5 (Truss) Brg Wid = -Min Req = -Bearing D is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Nailnote

Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @ 3.50" 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) 0.00 to TC: From 55 plf at 55 plf at 10 plf at 0.00 to 10 plf at BC: 1014 lb Conc. Load at 2.06, 4.06, 6.06

Hangers / Ties

(J) Hanger Support Required, by others

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

Additional Notes

The overall height of this truss excluding overhang is



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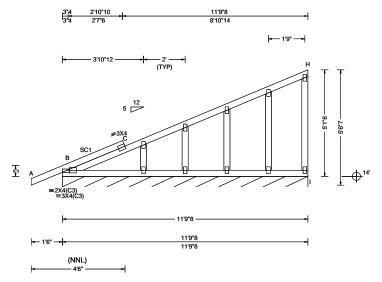
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 466071 GABL Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T50 FROM: CDM Qty: 1 DrwNo: 201.23.0803.26753 Truss Label: M01 KD / YK 07/20/2023



TCLL: 20.00	Wind Std: ASCE 7-16 Speed: 130 mph	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
	Speed: 130 mph		
	•	Pf: NA Ce: NA	VERT(LL): 0.003 C 999 240
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.005 C 999 180
10.00 I	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.004 G
Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	EXP: C Kzt: NA Mean Height: 16.50 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCD: 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): 0.005 G Creep Factor: 2.0 Max TC CSI: 0.184 Max BC CSI: 0.079 Max Web CSI: 0.041
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /Rw /U /RL 83 /-/17 Wind reactions based on MWFRS Brg Wid = 141 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;

Stack Chord: SC1 2x4 SP #2;

Plating Notes

All plates are 2X4 except as noted.

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

See DWGS A14030ENC160118 & 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.

The overall height of this truss excluding overhang is



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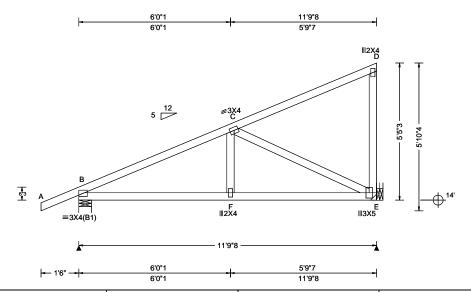
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SEQN: 466072 MONO Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T47 FROM: CDM Qty: 19 DrwNo: 201.23.0803.41710 Page 1 of 2 Truss Label: M02 KD / YK 07/20/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	14
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 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: 16.66 ft TCDL: 4.2 psf BCDL: 3.0 psf	Pg: NA Ct: NA CAT: NA	DefI/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.016 F 999 240 VERT(CL): 0.030 F 999 180 HORZ(LL): 0.006 E HORZ(TL): 0.011 E Creep Factor: 2.0 Max TC CSI: 0.458 Max BC CSI: 0.433	
	MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.25	Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Max Web CSI: 0.446 VIEW Ver: 22.02.00.0914.12	N N

▲ M	aximu	ım Read	ctions (lb	s)		
	G	ravity		No	on-Grav	vity .
Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL
В	543	/-	/-	/326	/126	/203
E	433	/-	/-	/267	/170	/-
Win	d reac	tions ba	sed on M	WFRS		
В	Brg V	Vid = 6.0	Min R	eq = 1.5	(Trus	s)
E	Brg V	Vid = -	Min Re	eq = -		
Bea	ring B	is a rigi	d surface.			
Men	nbers	not liste	d have for	ces les	s than 3	375#
Max	imum	Top C	hord Ford	es Per	Ply (lb	s)
Cho	rds T	ens.Co	mp.		•	•
В-(2	94 -	648			

Lumber

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

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

The overall height of this truss excluding overhang is

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 542 - 217 538 - 218

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

243 - 598



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SEQN: 466072 MONO Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T47 FROM: CDM DrwNo: 201.23.0803.41710 Qty: 19 Page 2 of 2 Truss Label: M02 KD / YK 07/20/2023

Hangers / Ties

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

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

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

Bearing at location x=11'6"8 uses the following support conditions: 11'6"8
Bearing E (11'6"8, 14') LUS26

Supporting Member: (2)2x6 SP #2 (4) 0.148"x3" nails into supporting member (3) 0.148"x3" nails into supported

member.

Bearing E (11'6"8, 14') LUS26 Supporting Member: (2)2x6 SP 2400f-2.0E (4) 0.148"x3" nails into supporting

(3) 0.148"x3" nails into supported member.

member.

(J) Hanger Support Required, by others



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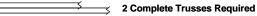


SEQN: 466091 COMN Ply: 2 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T49 FROM: CDM Qty: 1 DrwNo: 201.23.0804.12040 Truss Label: M03 KD / YK 07/20/2023

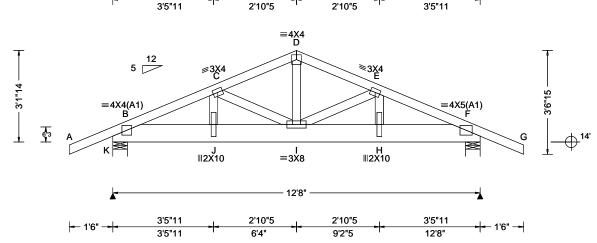
9'2"5

12'8'

6'4"



3'5"11



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	1
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 2.00	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.52 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18	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): 0.020 F 999 240 VERT(CL): 0.037 F 999 180 HORZ(LL): -0.004 F HORZ(TL): 0.008 F Creep Factor: 2.0 Max TC CSI: 0.297 Max BC CSI: 0.784 Max Web CSI: 0.172	
-	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12] [
Lumber				

▲ Maxi	mum Re	actions ((lbs)		
	Gravity		No	on-Grav	rity
Loc R-	+ /R-	/ Rh	/ Rw	/ U	/ RL
K 804	l /-	/-	/-	/270	/-
F 521	7 /-	/-	/-	/1948	/-
Wind re	actions I	based on	MWFRS		
K Bro	y Wid = 6	6.0 Min	Req = 1.5	(Truss	:)
F Bro	Wid = 6	6.0 Min	Req = 3.1	Ŭ (Truss	
Bearing	sK&F	are a rigio	d surface.	•	-
Membe	rs not lis	ted have	forces less	than 3	75#
Maxim	um Top	Chord Fo	orces Per	Ply (lbs	s)
Chords	Tens.C	omp.	Chords	Tens.	Comp.
B-C	200	- 629	D-E	196	- 590
C-D	193	- 585	E-F	435	- 1247

Top chord: 2x4 SP #2; Bot chord: 2x8 SP #2; Webs: 2x4 SP #3;

Nailnote

Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @ 4.00" o.c. Webs : 1 Row @ 4" o.c.

Use equal spacing between rows and stagger nails

in each row to avoid splitting.

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) -1.50 to TC: From 55 plf at 55 plf at 14.17 BC: From 4 plf at -1.50 to 4 plf at 0.00 BC: From 20 plf at 0.00 to 20 plf at 12.67 BC: From 4 plf at 12.67 to BC: 4890 lb Conc. Load at 11.92 12 67 to 4 plf at 14.17

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

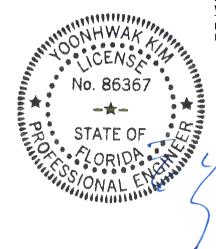
THIS TRUSS MUST BE INSTALLED AS SHOWN AND NOT END FOR END.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.		
B-J	566 - 177	I-H	1136 - 395		
J - I	568 - 179	H-F	1162 - 404		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Con	np.	Webs	Tens.	Comp.
D - I I - F	375 - ·		E-H	450	- 150



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SEQN: 466073 COMN Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T45 FROM: CDM Qty: 1 DrwNo: 201.23.0804.23953 Truss Label: M04 KD / YK 07/20/2023 6'4" 12'8" 6'4" 6'4' 36" F ∥2X4 =3X4(B1) =3X4(B1) 12'8" 6'4" 6'4" 1'6" -- 1'6" - - 6'4" 12'8"

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: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.016 F 999 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.029 F 999 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.006 D	
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.011 D	
NCBCLL: 10.00	Mean Height: 15.52 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 3.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.312	
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.366	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.101	
-	Loc. from endwall: Any	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12	I
Lumber			·	-

▲ M	axim	um Rea	actions	(lbs)		
	(Gravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	565	/-	/-	/315	/161	/89
D	565	/-	/-	/315	/161	/-
Win	d rea	ctions b	ased or	MWFRS		
В	Brg	Wid = 6	.0 Mir	n Req = 1.5	(Trus	s)
D	Brg	Wid = 6	.0 Mir	n Req = 1.5	(Trus	s)
Bea	rings	B&Da	are a rig	id surface.	-	-
Men	nbers	s not list	ed have	forces les	s than :	375#
Max	imu	m Top (Chord F	orces Per	Ply (lb	s)
Cho	rds	Tens.C	omp.	Chords	Tens.	Ćomp.
В-0	С	192	- 670	C - D	192	- 670

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 558 - 102 558

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

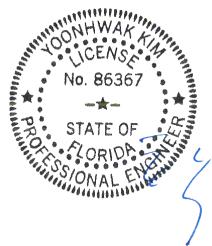
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

Top chord: 2x4 SP #2;

The overall height of this truss excluding overhang is



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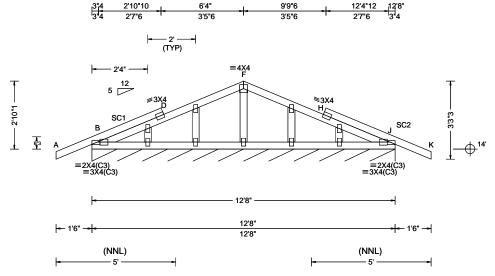
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SEQN: 466074 GABL Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T29 FROM: CDM Qty: 1 DrwNo: 201.23.0804.26143 Truss Label: M05 KD / YK 07/20/2023



TCDL: 7.00 Speed: 130 mph Pf: NA Ce: NA VERT(LL): 0.002 J 999 24	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
NCBCLL: 10.00 Soffit: 2.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GCpi: 0.18 GC	TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.002 J 999 240 VERT(CL): 0.003 J 999 180 HORZ(LL): -0.001 D -
Wind Duration: 1.25 WAVE VIEW Ver: 22.02.00.0914.12	NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any	FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0)	Max TC CSI: 0.192 Max BC CSI: 0.069
Lumbor		Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL J* 89 /-/-Wind reactions based on MWFRS Brg Wid = 152 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; Stack Chord: SC1 2x4 SP #2;

Stack Chord: SC2 2x4 SP #2;

Plating Notes

All plates are 2X4 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

See DWGS A14030ENC160118 & 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.

The overall height of this truss excluding overhang is 2-10-1.



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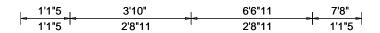
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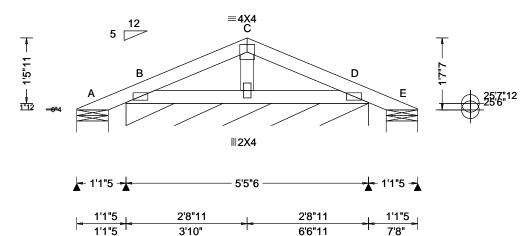
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

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

SEQN: 466075 GABL Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T53 FROM: CDM Qty: 1 DrwNo: 201.23.0804.29263 Truss Label: PB01 KD / YK 07/20/2023





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: 7.00	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): 0.002 B 999 180	L
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 B	ı
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.001 B	ı
NCBCLL: 10.00	Mean Height: 26.32 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	١
Soffit: 2.00	BCDL: 4.2 psi	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.057	1:
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.039	ŀ
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.016	Ιi
	Loc. from endwall: Any	FT/RT:20(0)/10(0)		١ì
	GCpi: 0.18	Plate Type(s):		1.
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12	
Louishau	•			_

▲ M	laxim	um Rea	ctions (II			
	G	ravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Α	6	/-	/-	/20	/14	/38
B*	74	/-	/-	/45	/31	/-
Е	6	/-	/-	/6	/1	/-
Wir	nd read	ctions b	ased on N	/WFRS		
Α	Brg V	Vid = 8.	5 Min F	Req = 1.5	(Trus	s)
В	Brg V	Vid = 69	5.4 Min F	Req = -		•
Е	Brg V	Vid = 8.	5 Min F	Req = 1.5	(Trus	s)
Bea	rings .	A, B, &	E are a ri	gid surfa	ce.	•
Mei	mbers	not list	ed have fo	rces les	s than	375#
			ou navo ic	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	oaii	υ. υπ

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.

Loading

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

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

Wind

Wind loads based on MWFRS with additional C&C

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.

The overall height of this truss excluding overhang is



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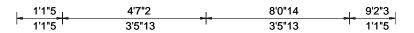
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

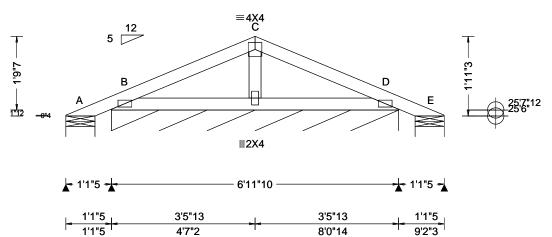
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 466076 COMN Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T61 FROM: CDM Qty: 19 Elfers DrwNo: 201.23.0804.31227 Truss Label: PB02 KD / YK 07/20/2023





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/#	
TCDL: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.002 D 999 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.003 D 999 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 D	
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.001 D	
NCBCLL: 10.00	Mean Height: 26.48 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 2.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.102	
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.066	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.020	
-	Loc. from endwall: Any	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		4
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12	
Lumber				_

▲ M	axim	um Rea	ctions (II	bs), or *=	:PLF	
	G	ravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Α	-	/-13	/-	/25	/26	/46
В*	76	/-	/-	/46	/33	/-
Е	-	/-13	/-	/10	/8	/-
Win	d read	ctions b	ased on N	/WFRS		
Α	Brg V	Vid = 8.	5 Min F	Req = 1.5	(Trus	s)
В	Brg V	Vid = 83	3.6 Min F	Reg = -	•	•
Е	Brg V	Vid = 8.	5 Min F	Reg = 1.5	(Trus	s)
Bea	rings.	A, B, &	E are a ri	gid surfa	cè.	•
	_		ed have fo	_		375#

Lumbe

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

Plating Notes

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

Loading

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

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

Wind

Wind loads based on MWFRS with additional C&C

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.

The overall height of this truss excluding overhang is 1-11-3.



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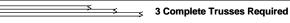
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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.

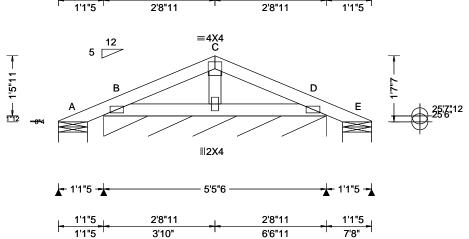


SEQN: 466086 GABL Ply: 3 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T63 FROM: CDM Qty: 1 DrwNo: 201.23.0805.00323 Truss Label: PB03 KD / YK 07/20/2023

6'6"11

3'10"





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: 7.00	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: 37.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	EXP: C Kzt: NA Mean Height: 0.00 ft TCDL: 4.2 psf BCDL: 2.0 psf MWFRS Parallel Dist: > 2h 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): 0.000 B Creep Factor: 2.0 Max TC CSI: 0.019 Max BC CSI: 0.013 Max Web CSI: 0.005
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12
I complete		A -1-11411 N1 - 4	

▲ Maxim ι	ım Rea	ctions (II	bs), or *:	:PLF	
G	ravity		N	on-Gra	vity
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A 6	/-	/-	/20	/14	/38
A 6 B* 74	/-	/-	/45	/31	/-
E 6	/-	/-	/6	/1	/-
Wind read	tions b	ased on N	/WFRS		
A Brg V	Vid = 8.	5 Min F	Req = 1.5	(Trus	s)
B Brg V	Vid = 6	5.4 Min F	Reg = -	•	•
		5 Min F		(Trus	s)
Bearings .	A, B, &	E are a ri	gid surfa	cè.	•
Members	not list	ed have fo	orces les	s than	375#

Lumber

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

Nailnote

Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @12.00" o.c. :1 Row @ 4" o.c.

Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Plating Notes

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

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

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

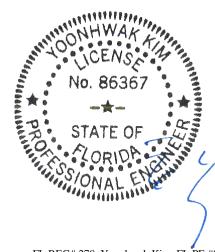
Wind

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. The overall height of this truss excluding overhang is



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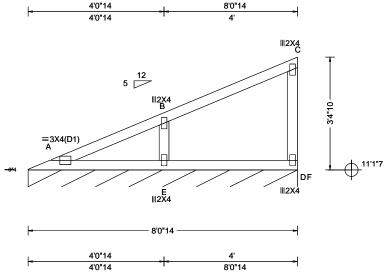
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SEQN: 466077 VAL Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T48 FROM: CDM Qty: 1 DrwNo: 201.23.0805.02747 Truss Label: V01 KD / YK 07/20/2023



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: 7.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.007 A 999 240					
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.013 A 999 180					
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 A					
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.003 A					
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: 0.242					
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.175					
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.047					
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)						
GCpi: 0.18		Plate Type(s):						
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12					
Lumbor			-					

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL F* 75 /-/-/43 /10 Wind reactions based on MWFRS Brg Wid = 96.9 Min Req = Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.

The overall height of this truss excluding overhang is 3-4-10.



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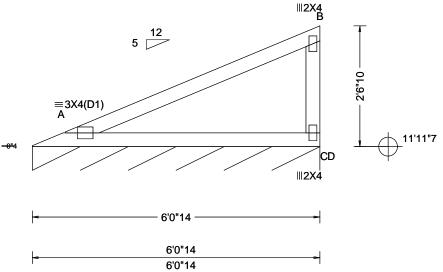
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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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: 466078 VAL Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T57 FROM: CDM Qty: 1 DrwNo: 201.23.0805.04947 Truss Label: V02 KD / YK 07/20/2023



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: 7.00	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): 0.010 A			
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.019 A			
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0			
Soffit: 2.00	BCDL: 3.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.417			
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.375			
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.127			
	Loc. from endwall: not in 9.00 ft					
	GCpi: 0.18	Plate Type(s):				
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12			

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL D* 75 /-/-/42 Wind reactions based on MWFRS D Brg Wid = 72.9 Min Req = Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.

The overall height of this truss excluding overhang is 2-6-10.



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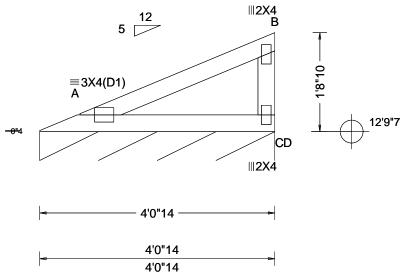
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SEQN: 466079 VAL Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T58 FROM: CDM Qty: 1 DrwNo: 201.23.0805.06343 Truss Label: V03 KD / YK 07/20/2023



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: 7.00	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): 0.003 A			
Des Ld: 37.00	EXP: C Kzt: NA		HORZ(TL): 0.005 A			
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: 0.179			
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.143			
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.034			
'	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)				
	GCpi: 0.18	Plate Type(s):				
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12			
Lumbor		•	•			

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL D* 75 /-/-Wind reactions based on MWFRS D Brg Wid = 48.9 Min Req = Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.

The overall height of this truss excluding overhang is 1-8-10.



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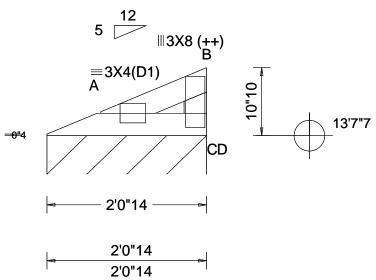
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SEQN: 466080 VAL Ply: 1 Job Number: 23-9417 Cust: R 215 JRef: 1XRI2150003 T59 FROM: CDM Qty: 1 DrwNo: 201.23.0805.10113 Truss Label: V04 KD / YK 07/20/2023



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: 7.00	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): 0.000 C				
Des Ld: 37.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.000 C				
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Creep Factor: 2.0				
Soffit: 2.00	BCDL: 3.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.036				
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.038				
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.004				
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)					
	GCpi: 0.18	Plate Type(s):					
	Wind Duration: 1.25	WAVE	VIEW Ver: 22.02.00.0914.12				
Lumber							

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL D* 75 /-/-/7 Wind reactions based on MWFRS D Brg Wid = 24.9 Min Req = Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

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

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.

The overall height of this truss excluding overhang is



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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

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-reinforecement or scab reinforcement.

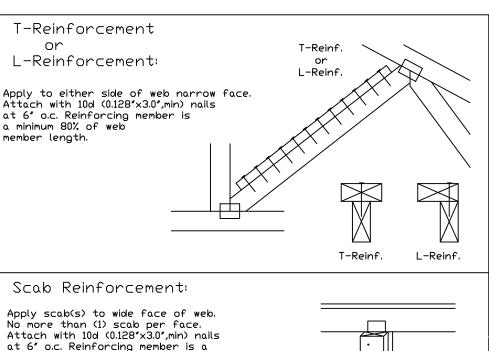
Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type.

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(*)		
5×8	1 row	2×6	1-2×8		
5×8	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.



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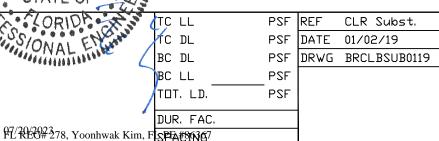
Refer to drawings 160A-Z for standard plate positions.

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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



Scab Reinf.



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 = 1.00 120 mph Wind Spand 20' Mann Haight England Exposure D Kat

					⊔r Or), Kzt = 1.0 (posure D,		I
		2x4 Vertical	Brace	No	(1) 1×4 "L	Brace *	(1) 2×4 *L	." Brace *	(2) 2x4 *L	Brace **	(1) 2×6 'L	." Brace *	(2) 2x6 *L	Brace *
_ sp		Species	_	Braces	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B
コイ		CDE	#1 / #2	4′ 1″	6′ 11″	7′ 2″	8′ 2″	8′ 6″	9′ 9″	10′ 2″	12′ 10″	13′ 4″	14′ 0″	14′ 0″
'ol		SPF	#3	3′ 10″	6′ 2″	6′ 7 ″	8′ 1″	8′ 5 ″	9′ 8″	10′ 0″	12′ 8″	13′ 2″	14′ 0″	14′ 0″
\geq 1	ا بِ	HF	Stud	3′ 10″	6′ 2″	6′ 6 ″	8′ 1″	8′ 5 ″	9′ 8″	10′ 0″	12′ 8″	13′ 2″	14′ 0″	14′ 0″
<u> </u>	0 l		Standard	3′ 10″	5′ 3 ″	5′ 7 ″	7′ 0″	7′ 6″	9′ 6″	10′ 0″	11′ 0″	11′ 10″	14′ 0″	14′ 0″
ا 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 I	#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″
	α \perp	DFL	Stud	4′ 0″	5′ 7″	5′ 11″	7′ 5 ″	7′ 11″	9′ 8″	10′ 1″	11′ 7″	12′ 5″	14′ 0″	14′ 0″
g L			Standard	3′ 9″	4′ 11″	5′ 13 ″	6′ 6″	7′ 0″	8′ 10 ″	9′ 6″	10′ 3″	11′ 0″	13′ 11″	14′ 0″
\subseteq $ $		CDE	#1 / #2	4′ 8″	7′ 11″	8′ 3 ″	9′ 4″	9′ 9″	11′ 2″	11′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
\vdash		SPF	#3	4′ 5″	7′ 6″	8′ 3 ″	9′ 3″	9′ 7″	11′ 0″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	\cup	HF	Stud	4′ 5 ″	7′ 6″	8′ 0 ″	9′ 3″	9′ 7″	11′ 0″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
ا رَهُ	<u> </u>	1 11	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″
<i>></i>		SP	#2	4′ 8 ″	7′ 11″	8′ 3 ″	9′ 4″	9′ 9″	11′ 2″	11′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
		ъ. —,	#3	4′ 7″	6′ 10 ″	7′ 3″	9′ 1″	9′ 8″	11′ 1″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
ωl	16	DFL	Stud	4′ 7″	6′ 10 ″	7′ 3″	9′ 1″	9′ 8″	11′ 1″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
≓ L			Standard	4′ 5″	6′ 0″	6′ 5 ″	8′ 0″	8′ 7″	10′ 10″	11′ 6″	12′ 7″	13′ 15″	14′ 0″	14′ 0″
온		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″
♂ l		755	#3	4' 10"	l 8′ 7″	8′ 11″	10′ 2″	10′ 7″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″

10' 2"

9' 11"

10′ 5**″**

10' 4"

10' 3"

10' 3"

9' 3"

"L" Brace End

Zones, typ.

10' 7"

10′ 7″

10′ 9″

10' 8"

10' 8"

9' 10"

Symm C

12' 2"

12' 2"

12' 5"

12' 3"

12' 2"

12' 2"

12' 2"

12' 8"

12' 8**"**

12' 11"

12' 9"

12' 8"

12' 8"

12' 8"

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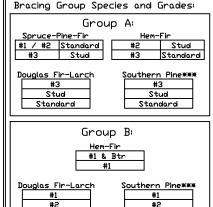
14' 0"

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 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 peak, splice, and heel plates.								

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

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

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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

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FL/REG#378, Yoonhwak Kim FLYE \$\$6367NG

MAX. TOT. LD. 60 PSF

Vertical length shown

Connect diagonal at

midpoint of vertical web.

in table above.

0

 Ω

Diagonal brace option:

vertical length may be doubled when diagonal

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

total length is 14'.

SP

X

Q

Standard

#1

#2

#3

Stud

Standard

Stud

4' 10"

4' 10"

5′ 4″

5' 2"

5′ 0**″**

5′ 0″

Gable Truss

4' 10"

8' 7"

7′ 5″

8' 10"

8' 9"

7' 10"

7' 10"

6' 11"

2x6 DF-L #2 or better diagonal brace; single

or double cut

(as shown) at upper end.

8' 11"

7′ 11″

9′ 2″

9' 1"

8' 4"

8' 4"

7′ 4″

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

ASCE7-16-GAB14030 01/26/2018 DRWG A14030ENC160118

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 Vertical Length \ typ. Example:

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) toenalls 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

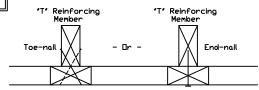
SCE 7-10 & ASCE 7-16 Gable Detail Drawings
A11515ENC100118, A12015ENC100118, A14015ENC100118, A14015ENC100118, A14015ENC100118, A20015ENC100118, A20015ENC100118, A20015ENC100118, A20015ENC100118, A15010ENC100118, 18030ENC100118, A20030ENC100118, A20030END10018, A20030EED100118, S11515ENC100118, S12015ENC100118, S14015ENC100118, S12015ENC100118, S14015ENC100118, S14015E

\$18015ENC100118, \$20015ENC100118, \$20015END100118, \$20015ED100118, \$11530ENC100118, \$12030ENC100118, \$14030ENC100118, \$16030ENC100118, \$16030E

\$18030ENC100118, \$20030ENC100118, \$20030E10100118, \$20030PED100118

See appropriate Alpine gable detail for maximum unreinforced gable vertical length

"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 $1.30 \times 8' \ 7'' = 11' \ 2''$

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

maintenantam Furnish this Drawing to All Contractors in this Drawing the Installers.

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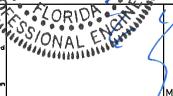
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IREF LET-IN VERT DATE 01/02/2018 DRWG GBLLETIN0118

MAX, TOT, LD, 60 PSF

DUR. FAC. ANY

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

Rigid Sheathing

Ceiling

4 Nails

Nails

Spaced At

4 Nails

Reinforcing

Member

Gable

Truss

F7/20/2023 78, Yoonhwak Kim, FIMPEX#86F6ACING

24.0"

Gable Stud Reinforcement Detail

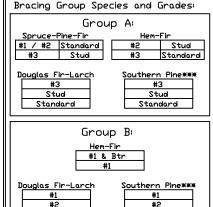
ASCE 7-16: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

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 mpm	opcc	0, 10 1,00	· · · · · · · · · · · · · · · · · · ·	ai viakty Li	100000, 27	(poson c s)	112 4 2100	
		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) 2x6 1 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
†		SPF	#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 1	12LL	#3	4′ 1″	6′ 7 ″	7′ 1″	8′ 6 ″	8′ 10 ″	10′ 1″	10′ 6 ″	13′ 4″	13′ 10″	14′ 0″	14′ 0″
	<u>ب</u> ا	HF	Stud	4′ 1″	6′ 7 ″	7′ 0″	8′ 6 ″	8′ 10 ″	10′ 1″	10′ 6″	13′ 4″	13′ 10″	14′ 0″	14′ 0″
Č		1 11	Standard	4′ 1″	5′ 8″	6′ 0 ″	7′ 7″	8′ 1 ″	10′ 1″	10′ 6″	11′ 10″	12′ 8″	14′ 0″	14′ 0″
ا م			#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	IDFL	Stud	4′ 2″	6′ 0″	6′ 4″	7′ 11″	8′ 6 ″	10′ 2″	10′ 7″	12′ 5″	13′ 4″	14′ 0″	14′ 0″
			Standard	4′ 0″	5′ 3 ″	5′ 7 ″	7′ 0 ″	7′ 6 ″	9′ 6″	10′ 2″	11′ 0″	11′ 10″	14′ 0″	14′ 0″
1.9		SPF	#1 / #2	4′ 11″	8′ 4″	8′ 8 ″	9′ 10″	10′ 3 ″	11′ 8″	12′ 2 ′	14′ 0″	14′ 0″	14′ 0″	14′ 0″
==	l . -		#3	4′ 8″	8′ 1 ″	8′ 8 ″	9′ 8″	10′ 1″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	o 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″
1 0	l	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″
	Ú.	L	#3	4′ 9″	7′ 4″	7′ 9″	9′ 9″	10′ 2″	11′ 8″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
Ι ω Ι] (IDFL	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″
2		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″
て	l . .		#3	5′ 1 ′	9′ 0″	9′ 4″	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
0	Ų	HF	Stud	5′ 1 ′	9′ 0″	9′ 4″	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	Ιō	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″
G		SP	#2	5′ 5″	9′ 2″	9′ 6″	10′ 10″	11′ 3″	12′ 11″	13′ 5″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
ĮΣ	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.

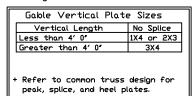
Gable Truss Detail Notes: Wind Load deflection criterion is 1/240.

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 "L" Brace End total length is 14'. Zones, typ. 2x4 DF-L #2 or better diagonal brace; single Vertical length shown or double cut in table above. (as shown) at upper end. Con Lucys Bearing Connect diagonal at Refer to chart above tor midpoint of vertical web.

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 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 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. 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, installation & bracing of trusses.

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

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

MAX. TOT. LD. 60 PSF 67/2023278. Yoonhwak Kim, MARE #8626CING 24.0"

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

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

DRWG A14015ENC160118

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

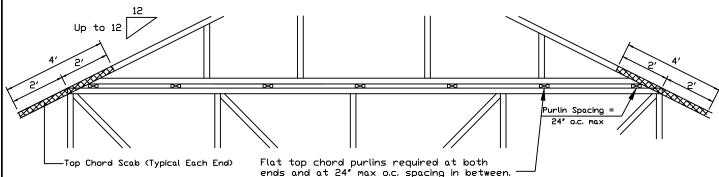
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0. Dr 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

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 sultable anchorage to permanently restrain purlins, and lateral bracing for out of plane loads over gable ends.

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

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

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



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

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

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

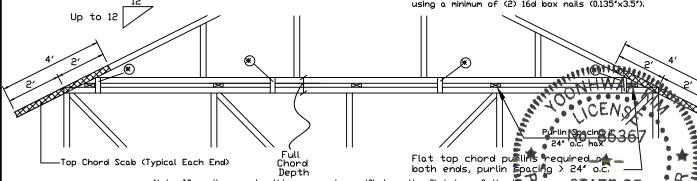
Detail B: Purlin Spacing > 24" o.c.

155 Harlem Ave North Building, 4th Floor

Glenview, IL 60025

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

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



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

* 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

24.0"

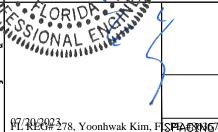
Dine 28PB wave piggyback plate to each face 8 8' o.c. Attach teeth to piggyback at time of fabrication. Attach to supporting truss with (4) 0.120'x1.375' nails per face per ply.
Piggyback plates may be staggered 4' o.c. front to back faces.

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.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional

engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

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



IREF PIGGYBACK DATE 01/02/2018

DRWG PB160160118

Valley Detail - ASCE 7-16: 180 mph, 30' Mean Height, Partially Enclosed, Exp. C, Kzt=1.00

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

** Attach each valley to every supporting truss with 535# connection or with (1) Simpson H2.5A or equivalent connector for

ASCE 7-16 180 mph. 30' Mean Height, Part. Enc. Building, Exp. C, Wind TC DL=5 psf, Kzt = 1.00

ASCE 7-16 160 mph. 30' Mean Height, Part. Enc. Building, Exp. D, Wind TC DL=5 psf, Kzt = 1.00

Bottom chord may be square or pitched cut as shown.

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

All plates shown are Alpine Wave Plates.

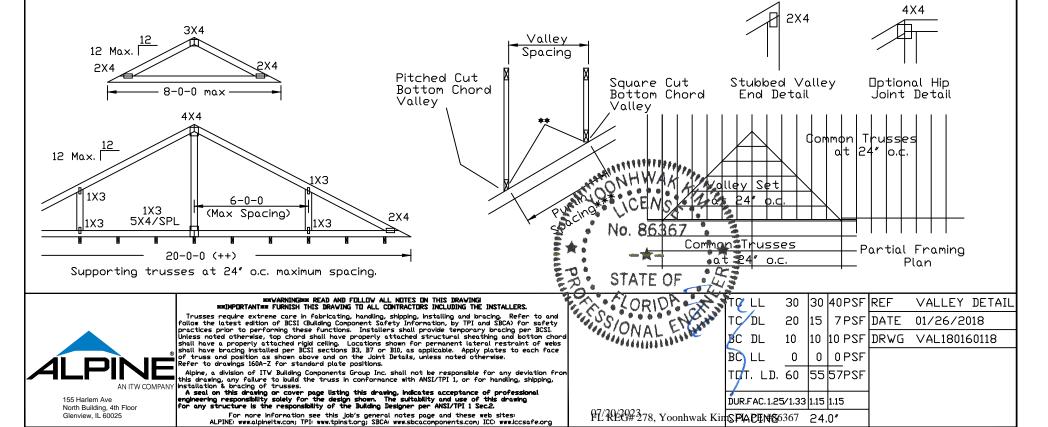
Unless specified otherwise on engineer's sealed design, for vertical valley webs taller than 7-9" apply 2x4 "T" reinforcement, 80% length of web, same species and grade or better, attached with 10d box (0.128" x 3.0") nails at 6" o.c. In lieu of "T" reinforcement, 2x4 Continuous Lateral Restraint applied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

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

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

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

- *** Note that the purlin spacing for bracing the top chord of the truss beneath the valley is measured along the slope of the top chord.
- ++ Larger spans may be built as long as the vertical height does not exceed 14'-0''.



Valley Detail - ASCE 7-16: 30' Mean Height, Enclosed, Exp. C, Kzt=1.00

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

** Attach each valley to every supporting truss with: (2) 16d box $(0.135" \times 3.5")$ nails toe-nailed for ASCE 7-16, 30' Mean Height, Enclosed Building, Exp. C. Wind TC DL=5 psf, Kzt = 1.00, Max. Wind Speed based on supporting truss material at connection location: 170 mph for SP (G = 0.55, min.), 155 mph for DF-L (G = 0.50, min.), or 120 mph for HF & SPF (G = 0.42, min.).

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

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

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

All plates shown are Alpine Wave Plates.

155 Harlem Ave

Glenview, IL 60025

North Building, 4th Floor

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

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

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

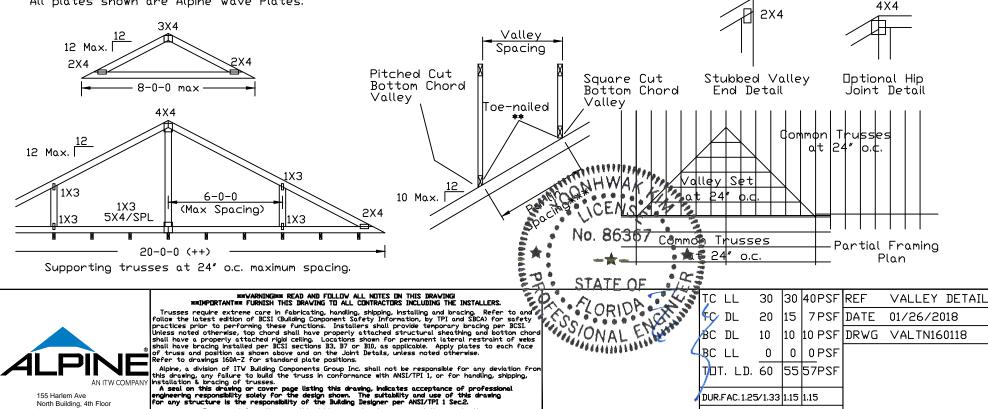
DUR.FAC. 1.25/1.33 1.15 1.15

24.0"

SPACING

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

- *** Note that the purlin spacing for bracing the top chord of the truss beneath the valley is measured along the slope of the top chord.
- ++ Larger spans may be built as long as the vertical height does not exceed 14'-0''.



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