



FL REG# 278, Yoonhwak Kim, FL PE #86367

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Site Information:	Page 1:			
Customer: W. B. Howland Company, Inc.	Job Number: 20-4196			
Job Description: Reinard Wilson				
Address:				

Job Engineering Criteria:	· · · · · · · · · · · · · · · · · · ·
Design Code: FBC 2017 RES	IntelliVIEW Version: 19.02.02B JRef #: 1WVR2150002
Wind Standard: ASCE 7-10 Wind Speed (mph): 130 Building Type: Closed	Roof Load (psf): 20.00-10.00- 0.00-10.00 Floor Load (psf): None

This package contains general notes pages, 84 truss drawing(s) and 3 detail(s).

Item	Drawing Number	Truss
1	153.20.0910.14067	A01
3	153.20.0910.18200	A03
5	153.20.0910.22770	A05
7	153.20.0910.27300	A07
9	153.20.0910.31730	A09
11	153.20.0910.48850	A11
13	153.20.0911.11613	A14
15	153.20.0911.15387	B02
17	153.20.0911.19410	B04
19	153.20.0911.23137	B06
21	153.20.0912.04107	B08
23	153.20.0912.38507	B10
25	153.20.0912.45850	B12
27	153.20.0912.54380	B14
29	153.20.0913.03910	B16
31	153.20.0913.07217	C02
33	153.20.0913.10593	C04
35	153.20.0913.13833	C06
37	153.20.0913.26637	C08
39	153.20.0913.31870	D01
41	153.20.0913.36143	D03
43	153.20.0913.40033	E01
45	153.20.0913.43083	E03
47	153.20.0913.49173	G02
49	153.20.0913.51913	G04
51	153.20.0913.55890	J01

Item	Drawing Number	Truss
2	153.20.0910.15860	A02
4	153.20.0910.20820	A04
6	153.20.0910.24797	A06
8	153.20.0910.29090	A08
10	153.20.0910.33580	A10
12	153.20.0910.51133	A12
14	153.20.0911.13727	B01
16	153.20.0911.16800	B03
18	153.20.0911.21247	B05
20	153.20.0911.24817	B07
22	153.20.0912.36207	B09
24	153.20.0912.42180	B11
26	153.20.0912.51263	B13 ferrors in the arm and the second leading
28	153.20.0913.00233	B15
30	153.20.0913.05810	C01
32	153.20.0913.08927	C03
34	153.20.0913.12090	C05
36	153.20.0913.24340	C07
38	153.20.0913.28907	C09
40	153.20.0913.33760	D02
42	153.20.0913.37767	D04
44	153.20.0913.41793	E02
46	153.20.0913.47457	G01
48	153.20.0913.50510	G03
50	153.20.0913.53240	G05
52	153.20.0913.57193	J01A

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.

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.: 13723 Riverport Drive, Suite 200, Maryland Heights, MO 63043; 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.sbcindustry.com.

SEON: 318564 COMN Ply: Job Number: 20-4196 Cust: R 215 JRef: 1WVR2150002 T50 FROM: CDM Qty: Reinard Wilson DrwNo: 153.20.0910.15860 Truss Label: A02 06/01/2020 49'6"9 58'9"7 3'9"9 5'5"4 5'10"13 11'4"1 16'9"5 22'7"15 28'6"8 34'3"5 40'0"3 45'9 53'4"3 64'2"11 70'1"8 5'10"13 5'5"4 5'5"4 5'10"9 5'10"9 5'8"13 5'8"13 5'8"13 3'9"9 5'5"4 5'10"13 =5X5 12X4 = 5X5 =7X8 = 7X8 G ₹7X8 =7X8 =4X5 T5 F T3 H T4 10'1"12 (a) (a) (a) W17 0 T 45 ₩ =4X5 2 = 6X10 AD 2X4 AB AA 0 = 3X5(A1)H1010 =4X8(B3) 6X12 **B7** 2X4 10'2"12 59'10"12 5'8"13 5'10"13 5'10"13 4'3"15 6'6"9 5'10"9 5'10"9 5'8"13 5'8"13 3'9"9 5'5"4 5'10"13 10'2"12 16'9"5 22'7"15 28'6"8 53'4"3 34'3"5 40'0"3 45'9' 64'2"11 70'1"8 3'9"9 5'5"4 1'6" 49'6"9 58'9"7 Loading Criteria (psf) Wind Criteria 1# 10 30 ft

TCLL: 20.00	Wind Std: ASCE 7-10
TCDL: 10.00	Speed: 130 mph
BCLL: 0.00 BCDL: 10.00	Enclosure: Closed Risk Category: II
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	EXP: C Kzt: NA Mean Height: 15.56 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 6.22 ft Loc. from endwall: not in 17.00 GCpi: 0.18 Wind Duration: 1.60
Lumber	

Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria
	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
	Pf: NA Ce: NA	VERT(LL): 0.333 J 999 246
	Lu: NA Cs: NA	VERT(CL): 0.689 J 999 186
	Snow Duration: NA	HORZ(LL): 0.127 Q -
		HORZ(TL): 0.263 Q -
	Code / Misc Criteria	Creep Factor: 2.0
	Bldg Code: FBC 2017 RES	Max TC CSI: 0.839
	TPI Std: 2014	Max BC CSI: 0.928
	Rep Fac: Yes	Max Web CSI: 0.990
	FT/RT:20(0)/10(0)	
	Plate Type(s):	
	WAVE, HS	VIEW Ver: 19.02.02B.0122.15

A. 111		im Read	CHOIIS	Access to the second se	n-Gra	vity
Loc	R+	/R-	/Rh	/ Rw	/ U	/RL
В	66	/-573	1-	/-	/289	/354
AC	3906	1-	1-	/2404	1-	1-
0	2457	1-	1-	/1582	1-	1-
Win	d read	tions ba	sed on	MWFRS		
В	Brg V	Vidth = 3	3.5	Min Re	q = 1.5	i
AC	Brg V	Vidth = 5	5.5	Min Re	q = 4.6	i
0	Brg V	Vidth = 5	5.5	Min Re	q = 2.0)
Bea	rings I	3, AC, 8	O are	a rigid surf	ace.	
Mer	nbers	not liste	d have	forces less	than :	375#
Max	cimum	Top C	hord F	orces Per	Ply (lb	s)
				Chords		
			- Com-	1 - J		

Top chord: 2x4 SP #2; T3,T4, T5 2x6 SP 2400f-2.0E; Bot chord: 2x4 SP #2; B7 2x4 SP M-31; Webs: 2x4 SP #3; W17 2x4 SP #2;

(a) Continuous lateral restraint equally spaced on

Plating Notes

All plates are 6X8 except as noted

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.

Additional Notes

Refer to General Notes for additional information

Negative reaction(s) of -573# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions

WARNING: Furnish a copy of this DWG to the installation contractor. Failure to follow provisions of BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and uninstructed people to install truspen Bit "WARNING" note below. BOST recommends retaining a registered processional engineer for the design of temporary practing.

The overall height of this trus excluded vyrtaining 10.1.13.

10-1-12

H-I 0 - 3510Maximum Bot Chord Forces Per Ply (lbs)

0

J-K

K-L

L-M

M-N

N - O

0 -3741

6 -3118

47 -3333

81 -3761

107 -4110

Chords Tens.Comp. Tens. Comp. Chords B-AD 30 - 1191 W-U 3753 AD-AC 29 - 1193 T-S 2812 0 AC-AB 31 -890 S-R 3167 0 AB-AA 729 -62 R-Q 3461 0 Y-X 2986 0 0.0 3462 0 X - W 3761 0

Maximum Web Forces Per Ply (lbs) Tens.Comp. Webs Webs C-AC 147 -483 G-X AC-D 0 - 3535X-1

1743

124 - 925

46 - 1832

0 - 2963

0 - 3510

C-D

D-E

E-F

F-G

G-H

Tens. Comp. 965 11 472 D -AB 2492 0 U-K 1582 0 E-AB 0 - 1790 U-T 3244 0 E-AA 2150 0 K-T 0 - 1677 AA-F 0 -2080 T-L 843 0 AA- Y 1851 0 L-S 533 - 156 F-Y 2018 S-M 0 220 - 568 Y-G 0 - 1159 M-R 382 -72

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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 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-2 for standard plate positions.

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

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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.sbcindustry.com; ICC: www.iccsafe.org

SEQN: 318566 COMN Ply: Job Number: 20-4196 Cust: R 215 JRef: 1WVR2150002 T49 FROM: CDM Qty: 1 Reinard Wilson DrwNo: 153.20.0910.20820 Truss Label: A04 / YK 06/01/2020 5'11"11 11'5"14 17 49'0"8 22'9"4 28'6"8 34'0"3 39'5"13 44'11"8 53'1"8 58'7"10 64'1"13 70'1"8 5'6"2 5'6"2 5'9"4 5'9"4 5'5"11 5'5"11 5'5"11 4'1' 4'1 5'6"2 5'6"2 5'11"11 =5X5112X4 = 5X5 ≡7X8 E =7X8 G =7X8 =4X5 T5 K F T3 H T4 D 10'3"5 (a)(a) 3X5 WW.17 0 1 -4:5 UE = 4X5 = 6X10 =3X5(A1) AB AA YZ ≡ H0710 ∥2.5X6 0 ■H1010 ■2.5X6 = 3X5 =4X8(B3) =6X10 **B7** 112X4 10'2"12 59'10"12 4'3"1 6'9"4 5'9"4 5'9"4 5'5"11 5'5"11 5'5"11 4'1" 4'1" 5'6"2 5'6"2 5'11"11, 5'11"11 10'2"12 22'9"4 28'6"8 34'0"3 39'5"13 44'11"8 49'0"8 53'1"8 58'7"10 64'1"13 70'1"8 1'6" Wind Criteria Loading Criteria (psf) Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) TCLL: 20.00 Wind Std: ASCE 7-10 Pa: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/# Gravity Non-Gravity Speed: 130 mph TCDL: 10.00 Pf: NA Ce: NA VERT(LL): 0.328 J 999 240 Loc R+ /R-/Rh /Rw /U /RL Enclosure: Closed BCLL: 0.00 Cs: NA Lu: NA VERT(CL): 0.679 J 999 180 R 80 1-549 1_ /37 /184 /332 Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.126 Q AC 3877 1-/2186 /81 EXP: C Kzt: NA 40.00 Des Ld: HORZ(TL): 0.259 Q 0 2461 1-/1504 /58 1-Mean Height: 15.00 ft NCBCLL: 10.00 Code / Misc Criteria Creep Factor: 2.0 Wind reactions based on MWFRS TCDL: 5.0 psf Brg Width = 3.5 Min Req = 1.5 Soffit: 2.00 Bldg Code: FBC 2017 RES Max TC CSI: 0.840 BCDL: 5.0 psf AC Brg Width = 5.5 Min Reg = 4.6 Load Duration: 1.25 TPI Std: 2014 Max BC CSI: 0.908 MWFRS Parallel Dist: h to 2h O Brg Width = 5.5 Min Reg = 2.0 Spacing: 24.0 " C&C Dist a: 6.00 ft Rep Fac: Yes Max Web CSI: 0.923 Bearings B, AC, & O are a rigid surface. FT/RT:20(0)/10(0) Loc. from endwall: not in 17.00 ft Members not listed have forces less than 375# GCpi: 0.18 Plate Type(s): Maximum Top Chord Forces Per Ply (lbs) Wind Duration: 1.60 WAVE, HS VIEW Ver: 19.02.02B.0122 15 Chords Tens.Comp. Chords Tens. Comp. Lumber Additional Notes B-C 1383 -272 1-1 1074 -3709 Top chord: 2x4 SP #2; T3,T4, Refer to General Notes for additional information C-D 1699 - 289 J-K 1073 -3723 T5 2x6 SP 2400f-2.0E; Bot chord: 2x4 SP #2; B7 2x4 SP M-31; Webs: 2x4 SP #3; W17 2x4 SP #2; Negative reaction(s) of -549# MAX. from a non-wind D-E 402 - 994 K-L 944 -3119 load case requires uplift connection. See Maximum E-F 648 - 1844 L - M 946 - 3325 F-G 892 - 2937 M-N 972 - 3760 WARNING: Furnish a copy of this DWG to the G-H 1015 - 3453 978 N - O -4117 installation contractor. Failure to follow provisions of H-1 1015 - 3453 (a) Continuous lateral restraint equally spaced on BCSI in handling and installation of trusses can result in serious injuries. Do not permit inexperienced and uninstructed people to install trusses. See "WARNING" note below. BCSinct on the pretaining a registered professionaller whee design of temporary backing. The overall height of this truss excluding over 10-3-5. Maximum Bot Chord Forces Per Ply (lbs) **Plating Notes** Chords Tens.Comp. Chords Tens. Comp All plates are 6X8 except as noted B-AD 320 - 1155 W-U 3734 AD-AC 319 - 1158 T-S 2804 -512 AC-AB 297 - 787 S-R 3165 -642 In lieu of structural panels use purlins to brace all flat TC @ 24" oc. AB-AA 787 -69 R-O 3466 -740 Y - X 2960 -548 0-0 3467 - 740 No. 86367 X-W 3707 -723 Wind loads based on MWFRS with additional C&C Maximum Web Forces Per Ply (lbs) member design. Webs Tens.Comp. Webs Tens. Comp. C-AC 161 -483 G-X 952 - 225 AC-D 829 -3510 X-1 116 -498 D-AB 2424 U-K -510 1456 -316 E-AB 413 - 1735 U-T 3222 -608 E-AA 2109 -535 K-T 399 - 1577 AA-F 544 - 2073 T-1 826 -240 AA- Y 1864 -304L-S 544 - 144 F-Y 1999 - 445 S-M 207 -577 Y-G 323 - 1151 M-R -58

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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.



SEQN: 318568 FROM: CDM

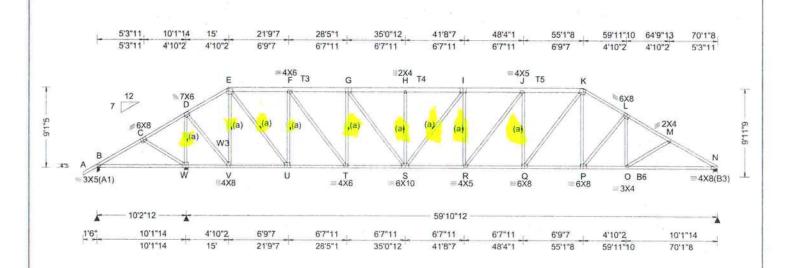
COMN Ply: 1

Qtv: 1

Job Number: 20-4196

Reinard Wilson Truss Label: A06 Cust: R 215 JRef: 1WVR2150002 T48

DrwNo: 153.20.0910.24797 06/01/2020



The state of the s	
TCLL: 20.00	Wind Std: ASCE 7-10
TCDL: 10.00	Speed: 130 mph
BCLL: 0.00	Enclosure: Closed
BCDL: 10.00	Risk Category: II
Des Ld: 40.00	EXP: C Kzt: NA
	Mean Height: 15.00 ft
NCBCLL: 10.00	TCDL: 5.0 psf
Soffit: 2.00	BCDL: 5.0 psf
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h
Spacing: 24.0 "	C&C Dist a: 6.00 ft
	Loc. from endwall: not in 8.50 ft GCpi: 0.18
	Wind Duration: 1.60
Lumber	

Wind Criteria

Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria Ct: NA CAT: NA PP Deflection in loc L/defl L/# Pg: NA Pf: NA Ce: NA VERT(LL): 0.313 I 999 240 Lu: NA Cs: NA VERT(CL): 0.650 I 999 180 Snow Duration: NA HORZ(LL): 0.102 O HORZ(TL): 0.211 O Code / Misc Criteria Creep Factor: 2.0 Bldg Code: FBC 2017 RES Max TC CSI: 0.768 TPI Std: 2014 Max BC CSI: 0.993 Rep Fac: Yes Max Web CSI: 0.933 FT/RT:20(0)/10(0) Plate Type(s): WAVE VIEW Ver: 19.02.02B.0122.15

AN		ım Rea	ctions	100		
	G	ravity		No	n-Grav	vity
Loc	R+	/ R-	/ Rh	/ Rw	/U	/RL
В	124	/-470	1-	/59	/130	/282
W	3784	1-	1-	/2064	/101	/-
N	2385	1-	/-	/1410	/53	/-
Wir	nd read	tions ba	sed on	MWFRS		
B	Brg V	Vidth = 3	3.5	Min Re	q = 1.5	5
W Brg Width = 5.5			Min Req = 4.5			
N	Brg V	Vidth = 5	5.5	Min Red	q = 2.0)
Bea	rings	B, W, &	N are a	a rigid surfa	ice.	
Mei	mbers	not liste	d have	forces less	than :	375#
Max	ximum	Top C	hord F	orces Per	Ply (lb	s)
				Chords		
В-	С	1270 -	289	H-1	1069	- 3712

I - J

J-K

K-L

L-M

M-N

- 3897

- 3667

-3532

-3914

-4191

-842

1117

1067

993

1018

1061

Loading Criteria (psf)

Top chord: 2x4 SP #2: T3.T4. T5 2x6 SP 2400f-2.0E Bot chord: 2x4 SP #2; B6 2x4 SP M-31; Webs: 2x4 SP #3; W3 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member

Plating Notes

All plates are 7X8 except as noted.

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.

Additional Notes

Refer to General Notes for additional information

Negative reaction(s) of -470# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions

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in serious injuries. Do not permit inexperienced and uninstructed people to install trusses. See "WARNING" note below. BCSI 1886 minerals retaining a registered professional business for the design of temporary bracing.

The overall height at this truss excluding overhands 9-1-5.

xoluming overba

Chords	Tens.C	Comp.	Chords	Tens.	Comp.
B-W	297	- 1050	S-R	3902	- 833
W-V	397	-1111	R-Q	3691	-789
V-U	563	-47	Q-P	2995	- 603
U-T	2097	- 384	P-0	3305	-711

T-S 3111 -632 0 - N 3544 Maximum Web Forces Per Ply (lbs)

C-D

D-E

F-F

F-G

G-H

1501

284 -719

654 - 2037

907 - 3071

1069 - 3712

-326

Webs	Tens.Comp	. Webs		Comp.
W-D	873 - 3396	0 G-S	1013	- 252
D-V	2640 - 62	1 H-S	156	-416
E-V	504 - 1989	9 J-Q	256	-749
E-U	2449 - 625	5 Q-K	1110	- 293
JU-F	521 - 1813	2 K-P	514	- 129
F-T	1663 -41	1 P-L	179	-498
T-G	355 - 121	3 1 0	375	55

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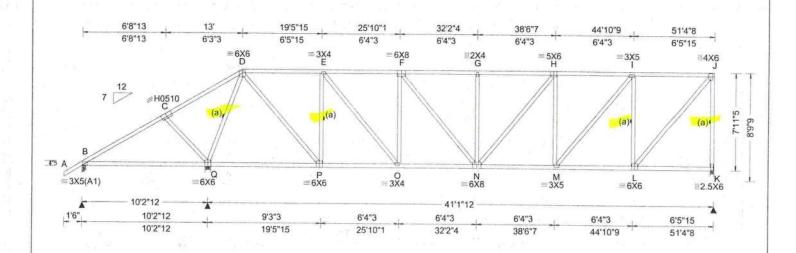
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses A seal on this drawing or cover page listing this drawing,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

6750 Forum Drive Suite 305 Orlando FL, 32821 Qtv: 1

Job Number: 20-4196 Reinard Wilson Truss Label: A08

Cust: R 215 JRef: 1WVR2150002 T46 DrwNo: 153.20.0910.29090

/ YK 06/01/2020



Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Std: ASCE 7-10	Snow Criteria (Pg,Pf in PSF) 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): 0.135 G 999 240 VERT(CL): 0.280 G 999 180 HORZ(LL): 0.031 D -
NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "		Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.065 D Creep Factor: 2.0 Max TC CSI: 0.954 Max BC CSI: 0.958 Max Web CSI: 0.870
redirect networks		WAVE, HS	VIEW Ver: 19.02.02B.0122.15

AIV		m Read	ctions (OF 11 100 CO	n-Gra	vity
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL
В	309	/-172	1-	/170	/31	/242
Q	2685	1-	1-	/1462	/542	1-
K	1602	1-	1-	/795	/301	1-
Win	d read	tions ba	sed on	MWFRS		
В	Brg V	/idth = 3	3.5	Min Re	q = 1.5	,
Q	Brg V	Vidth = 5	5.5	Min Re	q = 3.2	
K	Brg V	Vidth = 3	3.5	Min Re	q = 1.9	1 1
Bea	rings I	3. Q. & I	K are a	rigid surfa		
Mer	nbers cimum	not liste Top Cl	d have h	forces less orces Per	than 3	s)
Cho	rds T	ens.Co	mp.	Chords	Tens.	Comp.
B - (С	733 -	292	F-G	523	- 2053

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

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.

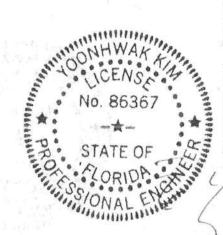
Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

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

Tens. Comp. B - Q 90 - 582 N-M 1832 -467 P-0 1219 -329 M-L 1195 -313 0-N 1843 -475

G-H

H-1

1 - J

523

459

298

- 2053

- 1808

- 1148

Maximum Web Forces Per Ply (lbs)

947 - 300

315 - 1173

468 - 1819

C-D

D-E

E-F

Webs	Tens.Comp.	Webs	Tens.	Comp.
C-Q	215 -444	G-N	152	-401
Q-D	650 - 2267	H - M	213	-648
D-P	1783 -448	M - I	986	-246
P-E	371 - 1228	1 - L	383	- 1243
E-0	971 -233	L-J	1798	- 467
0 - F	202 - 638	J-K	443	- 1551

FL REG# 278, Yoonhwak Kim, FL PE #86367 06/01/2020

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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.sbcindustry

SEQN: 318572 FROM: CDM

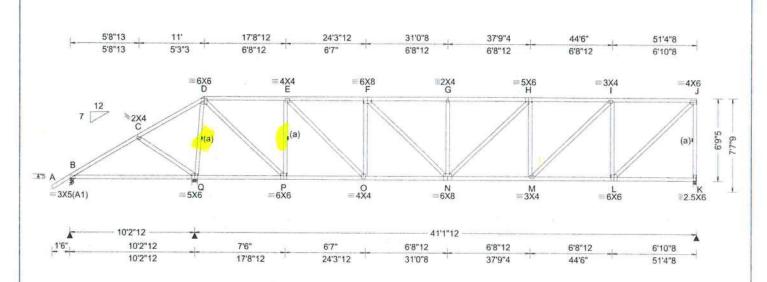
COMN Ply:

Qty:

Job Number: 20-4196

Reinard Wilson Truss Label: A10 Cust: R 215 JRef: 1WVR2150002 T45

DrwNo: 153.20.0910.33580 / YK 06/01/2020



Loading Criteria (psf)	Wind Criteria
TCLL: 20.00	Wind Std: ASCE 7-10
TCDL: 10.00	Speed: 130 mph
BCLL: 0.00	Enclosure: Closed
BCDL: 10.00	Risk Category: II
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 5.14 ft Loc. from endwall: not in 6.50 ft GCpi: 0.18

Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria Pg: NA Pf NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

Code / Misc Criteria
Bldg Code: FBC 2017 RE
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Ct: NA CAT: NA PP Deflection in loc L/defl L/# VERT(LL): 0.159 G 999 240 VERT(CL): 0.331 G 999 180 HORZ(LL): -0.030 J HORZ(TL): 0.062 J Creep Factor: 2.0 Max TC CSI: 0.907 Max BC CSI: 0.731 Max Web CSI: 0.968

VIEW Ver:	19.02.02B.0122.15

	G	ravity		Non-Gravity			
Loc	R+	/ R-	/Rh	/ Rw	/U	/ RL	
В	193	/-358	/-	/114	/90	/208	
Q	2935	/-	1-	/1547	/589	1-	
K	1557	/-	/-	/771	/288	1-	
Wir	d read	ctions ba	sed on	MWFRS			
В	Brg V	Vidth = 3	3.5	Min Re	q = 1.5	,	
Q	Brg V	Vidth = 5	5.5	Min Re	q = 3.5	i	
K	Brg V	Vidth = :	3.5	Min Re	q = 1.8	3	
Bea	rings I	B, Q, &	K are a i	rigid surfa	ce.		
				orces less		375#	

▲ Maximum Reactions (lbs)

Chords Tens Comp.

601 - 154

-		CONTRACT.				
B-C	1067	- 354	F-G	563	- 2278	
C-D	1307	- 398	G-H	563	- 2278	
D-E	209	-835	H - I	522	- 2103	
E-F	446	- 1820	1 - J	351	- 1376	

Chords Tens Comp

Maximum Top Chord Forces Per Ply (lbs)

Bracing

Lumber

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

(a) Continuous lateral restraint equally spaced on member.

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.

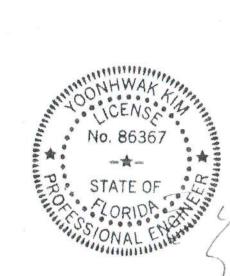
Additional Notes

Refer to General Notes for additional information

Negative reaction(s) of -358# 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 6-9-5.



maximu	im Rot	Chora I	orces Per	Ply (lb	S)
Chords	Tens.C	Comp.	Chords	Tens.	Comp.
B - Q	146	-873	0 - N	1856	- 457

57 Q 202 -780 N-M 2127 -530 P-0 899 -228 M-L 1428 - 367

Maximum Web Forces Per Ply (lbs)					
Webs	Tens.C	omp.	Webs	Tens.	Comp.
C-Q	201	-418	G-N	161	-427
Q-D	723 -	2497	H-M	185	- 547
D-P	2217	- 576	M - I	957	-231
P-E	427 -	1440	1 - L	363	- 1177
E-0	1331	- 323	L-J	1910	-487
O-F	254	-816	J-K	426	- 1502

FL REG# 278, Yoonhwak Kim, FL PE #86367 06/01/2020

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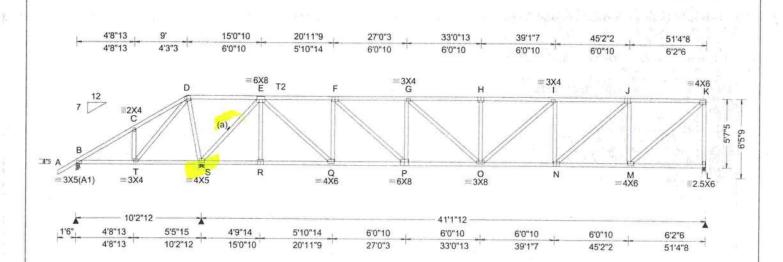
Orlando FL, 32821

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

Job Number: 20-4196

Reinard Wilson Truss Label: A12 Cust: R 215 JRef: 1WVR2150002 T44

DrwNo: 153.20.0910.51133 06/01/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Std: ASCE 7-10 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): 0.174 H 999 240 VERT(CL): 0.362 H 999 180 HORZ(LL): -0.033 K
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 5.14 ft Loc. from endwall: not in 6.50 ft GCpi: 0.18	Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.068 K Creep Factor: 2.0 Max TC CSI: 0.722 Max BC CSI: 0.677 Max Web CSI: 0.848
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15

Gravity Non-Gravity Loc R+ / R-/Rh /Rw /RI /U В /-710 /123 /299 /175 S 3376 1-1-/1763 /651 1471 1-/723 1272 Wind reactions based on MWFRS Brg Width = 3.5 Min Reg = 1.5 Brg Width = 5.5 Min Reg = 3.6 Brg Width = 3.5 Min Reg = 1.7 Bearings B, S, & 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 G-H 616 -2485 C-D 1601 - 371 H-1 616 -2485

▲ Maximum Reactions (lbs)

Lumber

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

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 5X6 except as noted.

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.

Additional Notes

Refer to General Notes for additional information

Negative reaction(s) of -710# 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 5-7-5.



D-E 1931 -482 -2234 1 - .1 558 E-F 289 - 1184 J-K 368 - 1434 F-G 521 - 2117 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

B - T 266 - 1356 P - 0 2155 -533 T-S 384 - 1597 0 - N 2265 -567 Q-P 1248 -307 N-M 1496 - 387

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. T-D 592 -213 G - O 455 -119 D-S 446 - 1475 1 - N 184 - 565 S-E 647 - 2481 N-J 1005 -244 E-Q 1913 -468 J-M 346 - 1125 Q-F 337 - 1176 M-K 1909 -489 F-P - 294 1193 K-L - 1422 404 P-G 219 - 690

FL REG# 278, Yoonhwak Kim, FL PE #86367 06/01/2020

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SEQN: 318575 COMN Ply: 2 Job Number: 20-4196 Cust: R 215 JRef: 1WVR2150002 T36 FROM: CDM Qty: 1 Reinard Wilson DrwNo: 153.20.0911.11613 Page 2 of 2 Truss Label: A14 / YK 06/01/2020

Special Loads

ecial Loads
--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
--(1.50 to 63 plf at 7.00 -1.50 to 7.00 to TC: From TC: From 32 plf at 32 plf at -1.50 to 0.00 to 7.03 to BC: From BC: From 5 plf at 5 plf at 0.00 20 plf at 10 plf at 20 plf at 10 plf at 7.03 BC: From 51.37 TC: 269 lb Conc. Load at 7.03 TC: 190 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06,19.06,21.06,23.06,25.06,27.06,29.06,31.06 33.06,35.06,37.06,39.06,41.06,43.06,45.06,47.06 49.06 TC: 197 lb Conc. Load at 50.85 470 lb Conc. Load at 7.03

130 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 49.06

BC: 132 lb Conc. Load at 50.85



FL REG# 278, Yoonhwak Kim, FL PE #86367 06/01/2020

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6750 Forum Drive Suite 305 Orlando FL, 32821

SEQN: 318577 SPEC Ply: Job Number: 20-4196 Cust: R 215 JRef: 1WVR2150002 T47 FROM: CDM Qty: 2 Reinard Wilson DrwNo: 153.20.0911.15387 Truss Label: B02 / YK 06/01/2020 7'5"5 14'5" 16'9"5 23'4"5 29'11"4 34'9"10 39'8' 45 7'5"5 6'11"11 2'4"5 6'6"15 6'6"15 4'10"6 4'10"6 5'4" = 5×6 112X4 = 5X6 2X4 M ≡4X10 = 3X4 =3X6(B1) =5X6 P 112X4 3X5(A1) 14'2"4 30'9"12 7'5"5 6'11"11 8'11"5 6'6"15 7'3"10 7'9"3 7'5"5 14'5' 23'4"5 29"11"4 37'2"13 45 Loading Criteria (psf) | Wind Criteria Snow Criteria (Pg,Pf in PSF) ▲ Maximum Reactions (lbs) Defl/CSI Criteria

TCLL:	20.00	Wi
TCDL:	10.00	Sp
BCLL:	0.00	En
BCDL:	10.00	Ris
Des Ld:	40.00	EX
NCBCLL		Me
Soffit:		TC
		BC
	ration: 1.25	MV
Spacing:	24.0 "	C8
		Lo

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

ind Std: ASCE 7-10 eed: 130 mph closure: Closed sk Category: II P: C Kzt: NA ean Height: 16.83 ft DL: 5.0 psf

DL: 5.0 psf WFRS Parallel Dist: h to 2h C Dist a: 4.50 ft

c. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60

Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA

Lu: NA Cs: NA Snow Duration: NA

Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE

PP Deflection in loc L/defl L/# VERT(LL): 0.089 H 999 240 VERT(CL): 0.167 H 999 180 HORZ(LL): -0.017 O HORZ(TL): 0.032 O Creep Factor: 2.0 Max TC CSI: 0.731 Max BC CSI: 0.955 Max Web CSI: 0.792

VIEW Ver: 19.02.02B.0122.15

	G	ravity		No	n-Gra	vity
Loc	R+	/ R-	/Rh	/ Rw	/U	/RL
В	653	1-	/-	/338	/70	/374
0	2176	1-	1-	/1325	/35	1-
J	1414	1-	1-	/845	/56	1-
Win	d reac	tions b	ased on	MWFRS		
В	Brg V	Vidth =	3.5	Min Red	g = 1.5	5
0	Brg V	Vidth =	5.5	Min Red	q = 2.6	3
J	Brg V	Vidth =	5.5	Min Red		
Bea	rings I	3, 0, &	J are a r	igid surfac		
				orces less		375#
				rces Per		
				Chords		
	28	275			1.57	

B-C	314 -638	F-G	360	- 1088
C-D	411 - 250	G-H	J	- 1586
D-E	434 - 175	H-1	409	-2181
E-F	361 - 1087	1 - J	403	-2375

Lumber

(a) Continuous lateral restraint equally spaced on member.

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

Purlins

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

Wind

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

Additional Notes

Refer to General Notes for additional information

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

	1,00,100,10	· with.	Onlordo	10170.	oomp.	
B-P	463	- 141	L-K	1654	- 144	
P-0	460	- 141	K-J	1982	- 277	
M - L	1304	- 25				

Maximum Web Forces Per Ply (lbs)

webs	Tens.Comp.	Webs	Tens. Comp.		
C-0	197 -632	F-M	17	-454	
0 - N	120 - 1778	G-L	700	- 128	
N-E	0 - 1435	L-H	190	- 548	
E-M	1321 -74	H-K	445	- 104	



FL REG# 278, Yoonhwak Kim, FL PE #86367 06/01/2020

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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.sbcindust

SEQN: 318579 SPEC Ply: 1 Job Number: 20-4196 Cust: R 215 JRef: 1WVR2150002 T17 FROM: CDM Qty: 1 Reinard Wilson DrwNo: 153.20.0911.19410 06/01/2020 Truss Label: B04 - 49'4' 16'9"5 14'5" 23'4"5 29'11"4 45'0"9 75'5 34'9"10 39'8"1 47'8" 7'5"5 2'4"5 6'11"11 6'6"15 6'6"15 4'10"7 4'10"7 5'4"8 = 5X6 2X4 =5X6 2X4 C 5X6 10,1,12 7X6(SRS) ≅5<u>X</u>6 10 Q =5X6 = 3X4 = 4X8 U 2X4 =3X5(A1) 5X5(**) =3X5(A1) =3X4

14'2"4 30'6" 47*12 7'5"5 6'11"11 8'11"5 6'6"15 73*10 7'3"10 3"1"8 14'5" 37'2"14 7'5"5 23'4"5 29'11"4 47'8 44'6"8 49'4"

Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.065 G 999 240 VERT(CL): 0.135 G 999 180 HORZ(LL): -0.014 H -
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	EXP: C Kzt: NA Mean Height: 16.83 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 4.93 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18	Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.027 J Creep Factor: 2.0 Max TC CSI: 0.718 Max BC CSI: 0.892 Max Web CSI: 0.815
Lumber	Wind Duration: 1.60	WAVE Additional Notes	VIEW Ver: 19.02.02B.0122.15

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 10-1-12.

Non-Gravity Gravity /Rh 10 Loc /R-/Rw 547 /-/357 /108 T 1936 1-/1359 /372 0 1469 1-1-/954 /339 272 1-1-/207 /146 Wind reactions based on MWFRS Brg Width = 3.5 Min Req = 1.5 Brg Width = 5.5 Min Reg = 2.3 Brg Width = 3.5 Min Req = 1.7 0 Brg Width = 5.5 Min Reg = 1.5 Bearings A, T, O, & L are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)

▲ Maximum Reactions (lbs)

Chords	Tens.C	Comp.	Chords	Tens.	Comp.
A - B	431	- 656	E-F	404	-907
B - C	461	- 297	F-G	358	- 1313
C-D	546	-221	G-H	428	- 1810
D-E	404	- 907	H - I	426	- 2005

/RL

/399

1-

1-

1-

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 482 - 167 Q-P 1373 -275 479 - 167 1667 -341 R-Q 1068 - 209

Maximum Web Forces Per Ply (lbs) Webs Tens. Comp. Tens.Comp. Webs B-T F-Q 230 - 651 500 -124 332 - 1529 Q-G 184 T-S -478 S-D 262 - 1236 G-P 390 -88 D-R 1063 - 178 1-0 341 - 1447

E-R

190 -454

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.

Special Load	ds			
(Lumber	Dur.Fac.=1	.25 / Plate [Dur.Fac.=1.	25)
TC: From	63 plf at	0.00 to	63 plf at	45.05
TC: From	32 plf at	45.05 to	32 plf at	47.67
TC: From	63 plf at	47.67 to	63 plf at	50.83
BC: From	20 plf at	0.00 to	20 plf at	44.54
BC: From	10 plf at	44.54 to	10 plf at	49.33
BC: From	5 plf at	49.33 to	5 plf at	50.83
TC: 3 lb	Conc. Load	at 45.60		
TC: 12 lb	Conc. Load	at 47.64		
BC: 21 lb	Conc. Load	d at 45.60		

(a) Continuous lateral restraint equally spaced on

Plating Notes

Top chord: 2x4 SP #2:

Bot chord: 2x4 SP #2;

Webs: 2x4 SP #3;

Bracing

member.

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

50 lb Conc. Load at 47.64

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

Wind

Wind loads based on MWFRS.

nis truss ex.

FL REG# 278, Yoonhwak Kim, FL PE #86367 06/01/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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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.sbcindustry.com; ICC: www.iccsafe.org

		2		
			10 10 10 10 10 10 10 10 10 10 10 10 10 1	

SEQN: 318581 SPEC Ply: 1 Job Number: 20-4196 Cust: R 215 JRef: 1WVR2150002 T57 FROM: CDM Qty: 1 Reinard Wilson DrwNo: 153.20.0911.23137 Truss Label: B06 / YK 06/01/2020 49'4" 13'8"14 16'9"5 23'4"5 29"11"4 36'3 43'0"9 45'8" 3'0"7 6'6"15 6'6"15 6'3"12 6'9"9 2'7"7 3'8" =5X6 12X4 =6X6 1112X4 (a), ≅5X6(SRS) ≅6X8 7 73 B3 P ON 6X8 = 3X4 = 3X5(A1) M L 6X10 02X4 2X4 =3X6(A1) 13'6"8 35'9"8 7'1"4 6'7"11 9'7"6 6'6"15 6'3"12 6'9"9

23'4"5

Loading Criteria (psf)	Wind Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	EXP: C Kzt: NA Mean Height: 16.83 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 4.93 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60

7'1"4

13'8"14

WAVE

Snow C	riteria (Pg	Pf in PSF)	Defl/CSI Criter	ria	
Pg: NA	Ct: NA	CAT: NA	PP Deflection i	n loc	L/defl
Pf: NA		Ce: NA	VERT(LL): 0.1	72 N	999
Lu: NA	Cs: NA		VERT(CL): 0.3	57 N	999
Snow Do	ration: N	A	HORZ(LL): -0.0	35 S	
20000-00000			HORZ(TL): 0.0	72 S	
Code / N	Aisc Crite	ria	Creep Factor: 2	2.0	
Bldg Co	de: FBC 2	2017 RES	Max TC CSI:	0.713	
TPI Std:	2014		Max BC CSI:	0.869	
Rep Fac	: Yes		Max Web CSI:	0.922	
FT/RT:2	0(0)/10(0)	ĝ.			
Plate Ty	pe(s):				

29"11"4

36'3"

VIEW Ver: 19.02.02B.0122.15

L/# 240 180 43'0"9

B-C

C-D

D-E

Q-F

F-P

504 -275

577 - 198

434 - 1124

129 -507

849

45'8'

	G	ravity		No	n-Gra	vity
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL
Α	486	1-	1-	/307	/57	/399
S	2206	1-	1-	/1476	/6	1-
J	1560	1-	1-	/1041	/65	1-
Win	d reac	tions b	ased on	MWFRS		
A	Brg V	Vidth =	-	Min Red	q = -	
S	Brg V	Vidth =	7.8	Min Re	7 = 2.6	6
J	Brg V	Vidth =	5.5	Min Re	q = 1.8	3
Bea	rings !	S&Ja	re a rigi	d surface.		
Mer	mbers	not liste	ed have	forces less	than	375#
Max	cimum	Top C	hord F	orces Per	Ply (lb	s)
Cho	ords T	ens.Co	omp.	Chords	Tens.	Comp
-						

49'4"

1'6"

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; B3 2x4 SP M-31; Webs: 2x4 SP #3; W3,W11 2x4 SP #2;

(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.

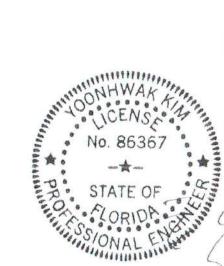
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

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 10-1-12



E - F	434	- 1124			
Maximu Chords			Forces Per		
Chords	rens.c	omp.	Chords	rens.	Comp.
A - T	402	- 140	P-N	2398	- 298
T-S	399	- 140	M-L	2016	- 349
Q-P	1423	- 15	1 - 1	2018	- 350

G-H

H-I

1-1

606 - 2862

782

549

1698

- 393

- 3286

-2419

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Tens. Comp. Webs B-S 222 -625 P-G 362 - 1245 S-R 114 - 1819 G-N 888 - 157 R-D 0 - 1554 N-H 376 - 1010 D-Q 1291 - 102 N-M 3337 -659 E-Q 9 -447 H-M 392 - 1558

M - 1

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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING

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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.sbcindustry.com; ICC: www.iccsafe.org

SEON: 318583 SPEC Ply: 1 Job Number: 20-4196 Cust: R 215 JRef: 1WVR2150002 T20 FROM: CDM Qtv: 1 Reinard Wilson DrwNo: 153.20.0912.04107 Truss Label: B08 / YK 06/01/2020 6'1"4 11'8"14 23'4"5 16'9"5 29'11"4 36'3" 41'0"9 43'8' 49'4" 6'1"4 5'0"7 6'6"15 6'6"15 6'3"12 4'9"9 2'7"7 5'8" 6X8 T3 E ≤4X6 C ≥3X6 GT4 (a) 10.1 ₹7X6 = 6X6 3.7"15 W12 = R = 4X4 = 3X4 ON =3X5(A1)= 5X10 M 7X8 ≡3X4 ⊪3X5 =4X5(A2) 11'6"8 37'9"8 6'1"4 5'7"11 5'0"7 6'6"15 6'6"15 6'3"12 4'9"9 2'7"7 5'8" 6'1"4 11'8"14 16'9"5 23'4"5 29'11"4 36'3" 41'0"9 43'8" 49'4" Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) Wind Std: ASCE 7-10 TCLL: 20.00 Pa: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/# Gravity Non-Gravity TCDL: 10.00 Speed: 130 mph Pf: NA Loc R+ /R-/Rh /RL Ce: NA VERT(LL): 0.156 N 999 240 /Rw /U Enclosure: Closed BCLL: 0.00 Lu: NA Cs. NA VERT(CL): 0.323 N 999 180 A 416 1-/302 /70 /400 Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.039 L 2182 1-/1467 /30 EXP: C Kzt: NA 40.00 Des Ld: HORZ(TL): 0.080 L 1654 1-/1091 /56 1-Mean Height: 16.83 ft Code / Misc Criteria NCBCLL: 10.00 Creep Factor: 2.0 Wind reactions based on MWFRS TCDL: 5.0 psf Brg Width = -Soffit: 2.00 Bldg Code: FBC 2017 RES Max TC CSI: Min Reg = -0.515 BCDL: 5.0 psf Brg Width = 7.8 TPI Std: 2014 Min Req = 2.6 Load Duration: 1.25 Max BC CSI: MWFRS Parallel Dist: > 2h 0.857 Brg Width = 5.5 Min Reg = 2.0 Spacing: 24.0 ' Rep Fac: Yes Max Web CSI: 0.671 C&C Dist a: 4.93 ft Bearings T & J are a rigid surface FT/RT:20(0)/10(0) Loc. from endwall: not in 13.00 ft Members not listed have forces less than 375# GCpi: 0.18 Plate Type(s): Maximum Top Chord Forces Per Ply (lbs) Wind Duration: 1.60 WAVE VIEW Ver: 19.02.02B.0122.15 Chords Tens.Comp. Chords Tens. Comp. Lumber A-B 364 -470 F-G 442 -2010 Top chord: 2x4 SP #2; T3, T4 2x6 SP 2400f-2.0E; B-C 491 - 302 G-H 636 -3134 Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; W12 2x4 SP #2; C-D 373 -913 H-1 646 -2879 D-E 441 - 1397 1 - J 547 -2582 E-F Bracing 441 - 1396 (a) Continuous lateral restraint equally spaced on Maximum Bot Chord Forces Per Ply (lbs) member Chords Tens.Comp. Chords Tens. Comp. **Plating Notes** R-Q 724 -12 M - I 2147 -349 All plates are 2X4 except as noted. Q-P 1652 -37 L-J 2145 -349 P-N Hangers / Ties 2680 -323 (J) Hanger Support Required, by others Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. In lieu of structural panels use purlins to brace all flat B-T - 529 Q-F 135 -429 TC @ 24" oc. T-S 155 - 1856 P-G 373 - 1298 S-C 161 - 1806 F-P 880 - 199 C-R 1282 -9 G-N 982 - 181 Wind loads based on MWFRS with additional C&C D-R 29 -839 N-M 2972 -486 member design. D-Q 1129 - 108 H-M 317

-1610 (E-Q -433 1233 -237

FL REG# 278, Yoonhwak Kim, FL PE #86367 06/01/2020

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

Additional Notes

Refer to General Notes for additional information 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: 318585 SPEC Ply: 1 Job Number: 20-4196 Cust: R 215 JRef: 1WVR2150002 T40 FROM: CDM Reinard Wilson Qty: 1 DrwNo: 153.20.0912.38507 Truss Label: B10 06/01/2020 5'1"4 9'8"14 13'3"2 16'9"5 23'4"5 45'3"3 29'11"4 36'3" 39'0"9 41'8" 49'4" 5'1"4 3'6"3 3'6"3 6'6"15 6'6"15 6'3"12 2'9"9 2'7"7 3'7"3 4'0"13 = 5X6 E ≅7X6 G ∌4X5 D ≅ 5X6(SRS) ≡ 5X6 10'1"12 4.8 W13 = R = 6X8 0 = 3X4 = Q = 3X5 3'5 = 3X5(A1)=6X10 = 3X4= 12X14 = 4X5(A2) 9'6"8 39'9"8 5'1"4 4'7"11 7'0"7 6'6"15 6'6"15 6'3"12 2'9"9 2'7"7 7'8' 5'1"4 9'8"14 16'9"5 23'4"5 29'11"4 36'3" 39'0"9 41'8" 49'4" Loading Criteria (psf) Wind Criteria ▲ Maximum Reactions (lbs) Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria Non-Gravity Wind Std: ASCE 7-10 Gravity TCLL: 20.00 Pg: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/# /Rw Loc R+ /Rh /RL Speed: 130 mph / R-/U TCDL: 10.00 Pf: NA Ce: NA VERT(LL): 0.185 O 999 240 Enclosure: Closed BCLL: 0.00 Lu: NA Cs: NA VERT(CL): 0.386 O 999 180 A 338 1-/265 /88 /369 Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.046 M U 2165 1-1-/1458 /63 EXP: C Kzt: NA HORZ(TL): 0.096 M 1642 1-1-/1041 /36 1-40.00 Des Ld: Mean Height: 17.26 ft Wind reactions based on MWFRS Code / Misc Criteria Creep Factor: 2.0 **NCBCLL: 10.00** TCDL: 5.0 psf Brg Width = -Min Reg = Bldg Code: FBC 2017 RES Max TC CSI: 2.00 0.551 Soffit: BCDL: 5.0 psf Brg Width = 7.8 Min Reg = 2.6 TPI Std: 2014 Max BC CSI: 0.894 Load Duration: 1.25 MWFRS Parallel Dist: > 2h Brg Width = 5.5 Min Reg = 1.9 Spacing: 24.0 " Rep Fac: Yes Max Web CSI: 0.803 C&C Dist a: 4.93 ft Bearings U & L are a rigid surface. FT/RT:20(0)/10(0) Loc. from endwall: not in 13.00 ft Members not listed have forces less than 375# Plate Type(s): GCpi: 0.18 Maximum Top Chord Forces Per Ply (lbs) Wind Duration: 1.60 WAVE VIEW Ver: 19.02.02B.0122.15 Chords Tens.Comp. Chords Tens. Comp. Lumber A-B 283 G-H 457 - 2228 Top chord: 2x4 SP #2; B-C 475 - 291 H-1 678 - 3340 Bot chord: 2x4 SP #2 C-D 446 -229 1-1 593 - 2671 No. 86.9 Webs: 2x4 SP #3; W13 2x4 SP #2; D-E 375 - 1274 J-K 568 - 2615 F-F 447 - 1656 K-L 606 - 2813 F-G 447 - 1656 (a) Continuous lateral restraint equally spaced on member Maximum Bot Chord Forces Per Ply (lbs) **Plating Notes** Tens.Comp. Chords Chords Tens. Comp. All plates are 2X4 except as noted. T-S 716 -22 Q - O 2882 -407 S-R 1061 -12 N-M 2212 -355 Hangers / Ties R-Q 1838 -93 M-L 2366 - 465 (J) Hanger Support Required, by others Maximum Web Forces Per Ply (lbs) Tens. Comp. Webs Tens.Comp. Webs In lieu of structural panels use purlins to brace all flat TC @ 24" oc. B-U 166 -425 G - Q 908 -218 U-T 211 - 1898 Q-H 401 -1334T-D 124 - 1791 H - O 1075 -223 Wind loads based on MWFRS with additional C&C D-S 744 0 0-N 2906 -470 member design. E-S 7 -517 1-N 327 - 1918 E-R 998 - 134 N-J 956 - 164 **Additional Notes** F 5 -434 Refer to General Notes for additional information

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The overall height of this truss excluding overhang is

WARNING

IMPORTANT FURNISH

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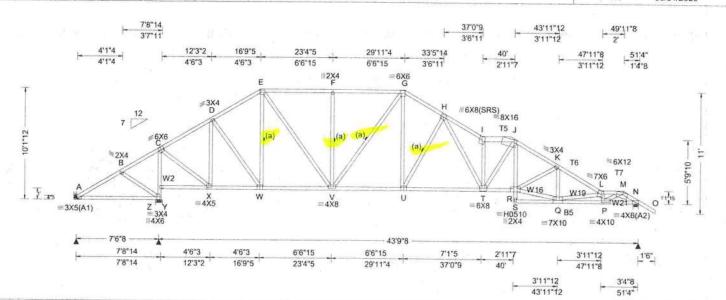


SEQN: 318587 FROM: CDM

SPEC Plv: 1 Qty: 1

Job Number: 20-4196 Reinard Wilson Truss Label: B12

Cust: R 215 JRef: 1WVR2150002 T67 DrwNo: 153.20.0912.45850 / YK 06/01/2020



1	Louding	Officeria (hor)	
I	TCLL:	20.00	W
ı	TCDL:	10.00	Sp
١	BCLL:	0.00	Er
1	BCDL:	10.00	Ri
I	Des Ld:	40.00	E
ļ	NCBCLL	10.00	TC
ı	Soffit:	2.00	BC
ı	Load Dur	ation: 1.25	M
l	Spacing:	24.0 "	C8
l			Lo
1			100

Loading Criteria (psf) Wind Criteria ind Std: ASCE 7-10 peed: 130 mph nclosure: Closed isk Category: II XP: C Kzt: NA ean Height: 16.83 ft CDL: 5.0 psf CDL: 5.0 psf WFRS Parallel Dist: > 2h &C Dist a: 5.13 ft c. from endwall: not in 13.00 ft

GCpi: 0.18

Wind Duration: 1.60

Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s):

WAVE, HS

Pg: NA

Pf- NA

Ct: NA CAT: NA PP Deflection in loc L/defl L/# VERT(LL): 0.317 I 999 240 VERT(CL): 0.654 I 802 180 HORZ(LL): 0.067 E HORZ(TL): 0.139 E Creep Factor: 2.0 Max TC CSI: 0.686 Max BC CSI: 0.877 Max Web CSI: 0.917

Defl/CSI Criteria

VIEW Ver: 19.02.02B.0122.15

▲ Maximum Reactions (lbs) Non-Gravity Gravity Loc R+ / R-/Rw /Rh /RI /U 210 /-38 1-/213 /132 /400 Z 2362 1-/1565 /474 1917 N 1-1-/1199 /433 Wind reactions based on MWFRS Brg Width = -Min Reg = Brg Width = 7.8 Min Req = 2.8 Brg Width = 5.5 Min Req = 1.6

Bearings Z & N are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)

Chords Tens.Comp. A - B 450 -316 H-I 894 -4309 B-C 567 -319 1-1 714 -3613 C-D 369 - 1276 J-K 801 -3995 D-E 413 - 1686 K-L 796 -3978 E-F 488 - 2007 1045 L-M - 5242 F-G 488 - 2007 M-N 608 -2862

Chords

Tens. Comp.

Lumber

Top chord: 2x4 SP #2; T5 2x6 SP 2400f-2.0E; T6. T7 2x4 SP M-31; Bot chord: 2x4 SP #2; B5 2x4 SP M-31; Webs: 2x4 SP #3; W2,W16,W19,W21 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

-(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 63 plf at 0.00 to 63 plf at 52.83 BC: From 20 plf at 0.00 to 20 plf at 51.33 51.33 to BC: From 5 plf at 5 plf at TC -1 lb Conc. Load at 49.96 18 lb Conc. Load at 49.96

Plating Notes

All plates are 5X6 except as noted.

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.

Additional Notes

Snow Criteria (Pg,Pf in PSF)

Ce: NA

Refer to General Notes for additional information 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.

uss exclus. The overall height of this truss excluding overhang is

Maximum Bot Chord Forces Per Ply (lbs)

531 - 2583

G-H

Chords	Tens.(comp.	Chords	Tens.	Comp.
X - W	1071	- 200	T-R	3350	-661
W-V	1398	- 267	Q-P	5773	- 1161
V - U	2185	-422	P-N	2370	-496
U - T	2754	- 545			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens.	Comp.
Z - Y	462 - 2156	H - T	1938	- 464
Y-C	476 - 2094	1 - T	504	-2190
C-X	1668 - 328	T - J	501	-73
X-D	254 - 950	J-R	1236	- 244
5 - W	568 - 116	R-Q	3495	-691
E-V	1021 - 205	Q-L	537	-2419
F-V	188 -446	L-P	376	- 1650
G-U	1201 - 298	P-M	3213	- 664
U-H	362 - 1198			

FL REG# 278, Yoonhwak Kim, FL PE #86367 06/01/2020

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

6750 Forum Drive Suite 305 Orlando FL, 32821

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

SEQN: 318589 SPEC Plv: 1 Job Number: 20-4196 Cust: R 215 JRef: 1WVR2150002 T55 FROM: CDM Reinard Wilson Qty: 1 DrwNo: 153.20.0912.54380 Truss Label: B14 06/01/2020 7'10 37'8" 51'4" 2'3"8 3'4"8 16'9"5 23'4"5 5'6"8 12'3"11 29'11"4 35'0"9 39'9"10 45'11"8 47'11"8 5'6"8 4'5"11 4'5"11 6'6"15 6'6"15 5'1"5 2'1"10 6'1"14 2 ≅7X6 G ₩6X8 F Т3 #6X8 T4 =6X6 ∌3X4 D **T5** 12 ≥3X6 12 (a) ≨5X6 B 10.1 (a) 6X6(SRS) 15 6X8 7.1"1 K) TS Q.R = 4X5 = 5X6 = 4X8 = 4×8 N =5X6 =3X5(A1) Z XY =4X4=6X8 H1014 =4X6(A2) =7X10 5'6"8 45'9"8 A 5'6"8 4'5"11 4'5"11 6'6"15 6'6"15 7'8"12 2'1"10 6'1"14 5'6"8 16'9"5 12'3"11 23'4"5 29'11"4 37'8" 39'9"10 45'11"8 47'11"8 2'3"8 3'4"8 7'10 51'4" Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) Wind Std: ASCE 7-10 Non-Gravity Gravity TCLL: 20.00 Pg: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/# /Rw / RI Loc R+ /R-/Rh Speed: 130 mph /U TCDL: 10.00 Pf: NA Ce: NA VERT(LL): 0.257 H 999 240 Enclosure: Closed BCLL 0.00 Lu: NA Cs: NA VERT(CL): 0.531 H 999 180 /413 A 1-727 124 /402 Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.092 O 7 3062 1-/1883 /32 EXP: C Kzt: NA HORZ(TL): 0.190 O M 1905 1-1-/1186 /22 1-40.00 Des Ld: Mean Height: 16.83 ft Wind reactions based on MWFRS Code / Misc Criteria Creen Factor: 2.0 **NCBCLL: 10.00** TCDL: 5.0 psf Brg Width = -Min Reg = Bldg Code: FBC 2017 RES Max TC CSI: 0.939 2.00 Soffit: BCDL: 5.0 psf Brg Width = 7.8 Min Reg = 3.6 TPI Std: 2014 Max BC CSI: 0.934 Load Duration: 1.25 MWFRS Parallel Dist: > 2h Brg Width = 5.5 Min Reg = 2.2Rep Fac: Yes Max Web CSI: 0.915 Spacing: 24.0 " C&C Dist a: 5.13 ft Bearings Z & M are a rigid surface. FT/RT:20(0)/10(0) Loc. from endwall: not in 13.00 ft Members not listed have forces less than 375# Plate Type(s): GCpi: 0.18 Maximum Top Chord Forces Per Ply (lbs) Wind Duration: 1.60 WAVE, HS VIEW Ver: 19.02.02B.0122.15 Chords Tens.Comp. Chords Tens. Comp. Lumber **Additional Notes** ar to Gene.

gative reaction(s)
d case requires uplift co.
sactions.

/ARNING: Furnish a copy of this DWo
nstallation contractor. Special care must be
during handling, shipping and installation of trusses.
See "WARNING" note below.

The overall height of this truss extending by phang is
10-1-12.

A.

V.

NO. 86367 A-B 1598 -218 H-1 615 -2877 Top chord: 2x4 SP #2; T3,T4, Refer to General Notes for additional information C-D 229 - 1312 1 - J 697 -3324 T5 2x6 SP 2400f-2.0E; D-E 315 - 1706 J-K 765 -4007 Bot chord: 2x4 SP #2 E-F 443 - 2036 K-L - 3960 826 Webs: 2x4 SP #3; W18 2x4 SP #2; F-G 443 - 2036 L-M 624 -3042 G-H 510 - 2629 Bracing (a) Continuous lateral restraint equally spaced on Maximum Bot Chord Forces Per Ply (lbs) member. Tens. Comp. Chords Tens.Comp. Chords **Plating Notes** PROSTA.
FIORI 201 - 1338 3093 - 365 All plates are 2X4 except as noted. X-W 295 -415 3397 S-Q -487 P-0 W-V 1107 - 160 2545 -447 Hangers / Ties V-U 1417 -76 0 - M 2550 -448 (J) Hanger Support Required, by others U-T 2226 - 107 Maximum Web Forces Per Ply (lbs) In lieu of structural panels use purlins to brace all flat Webs Tens.Comp. Webs Tens. Comp. TC @ 24" oc. B - 7 326 - 2087 T-H 389 - 1307 Wind B - X 1629 - 137 H-S 69 -551 Wind loads based on MWFRS with additional C&C Z-X 239 - 1589 S-1 1514 -319 member design X-C 245 - 1982 S-J 341 - 1207 C-W 1642 - 167 J - Q 1103 - 198 W - D 116 -936 Q-K 299 -739 D-V 547 Q-P 0 4055 -744 E-U 1035 -72 K-P 455 -2171 F-11 P-L 12 -439 2095 -402 G-T 1120 - 268

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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FL REG# 278, Yoonhwak Kim, FL PE #86367

06/01/2020

SEQN: 318590 HIPM Ply: 2 Job Number: 20-4196 Cust: R 215 JRef: 1WVR2150002 T37 FROM: CDM Qty: 1 Reinard Wilson DrwNo: 153.20.0913.00233 Page 2 of 2 Truss Label: B15 / YK 06/01/2020 Special Loads

-(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 63 plf at 32 plf at 5 plf at 20 plf at TC: From -1.50 to 63 plf at 7.00 7.00 to -1.50 to 0.00 to 32 plf at 45.00 BC: From 5 plf at 20 plf at 10 plf at 0.00 BC: From 7.03 BC: From 10 plf at 7.03 to 45.00 TC: 435 lb Conc. Load at 7.03 TC: 210 lb Conc. Load at 9.06,11.06,13.06,15.06 TC: 17.06 TC: 206 lb Conc. Load at 19.06 TC: 197 lb Conc. Load at 21.06,23.06,25.06,27.06 29.06,31.06,33.06,35.06,37.06,39.06 190 lb Conc. Load at 41.06,43.06 277 lb Conc. Load at 7.03 TC: BC: BC: 78 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06 104 lb Conc. Load at 19.06 132 lb Conc. Load at 21.06,23.06,25.06,27.06 29.06,31.06,33.06,35.06,37.06,39.06 130 lb Conc. Load at 41.06,43.06



FL REG# 278, Yoonhwak Kim, FL PE #86367 06/01/2020

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SEQN: 318592 SPEC Ply: 1 Job Number: 20-4196 Cust: R 215 JRef: 1WVR2150002 T5 FROM: CDM Qty: 4 Reinard Wilson DrwNo: 153.20.0913.05810 Truss Label: C01 / YK 06/01/2020 12'3"8 18'2"7 24'5" 5'10"15 5'10"15 6'2"9 H 5X5 = 5X5 3X5(A1) = 3X4(B1) 24'5" 8'4"3 7'10"10 8'4"3 16'2"13 24'5

Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	ipsf) Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Snow Criteria (Pg.Pf in PSF) 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): 0.061 G 999 240 VERT(CL): 0.118 G 999 180 HORZ(LL): 0.027 G -
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCoi: 0.18	Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.051 G
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15

	G	ravity		N	on-Gra	vity	
Loc	R+	/R-	/Rh	/ Rw	/U	/RL	
В	1190	/-	1-	/671	/18	/209	
F	1082	1-	1-	/582	/11	/-	
Win	d read	ctions b	ased or	MWFRS			
В	Brg V	Vidth =	5.5	Min Re	Min Reg = 1.5		
F	Brg V	Vidth =	3.5	Min Re	Min Reg = 1.5		
Bea	rings	B&Fa	re a rigi	d surface.			
Mer	nbers	not liste	ed have	forces les	s than :	375#	
Max	cimun	Top C	hord F	orces Per	Ply (lb	s)	
Cho	ords 7	Tens.Co	mp.	Chords	Tens.	Comp.	
B - 0	C	322 -	1698	D-E	373	- 1508	
C-		361 -	1510	E-F	334	- 1688	

Lumber

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

Loading

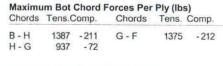
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance

Wind

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

Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 7-6-5.



D-G

590

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

609 - 130



FL REG# 278, Yoonhwak Kim, FL PE #86367 06/01/2020

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SEQN: 318594 HIPS Ply: 1 Job Number: 20-4196 Cust: R 215 JRef: 1WVR2150002 T10 FROM: CDM Qty: 1 Reinard Wilson DrwNo: 153.20.0913.08927 Truss Label: C03 / YK 06/01/2020 5'8"13 11 18'10"3 24'5" 5'8"13 5'3"3 5'3"3 5'6"13 ■2X4 H III2X4 =3X4(A1) ≡5X5 = 3X4 =3X4(B1) 24'5' 5'8"13 5'3"3 5'3"3 5'6"13 5'8"13 11 13'7' 18'10"3 24'5" Loading Criteria (nsf) Wind Criteria

TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Criteria Wind Std: ASCE 7-10 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	
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ Creep Max TO Max BO Max W
	Wind Duration: 1.60	WAVE	VIEW

=)	Defl/CSI Criteria	I
IA	PP Deflection in loc L/defl L/#	l
	VERT(LL): 0.051 I 999 240	-
	VERT(CL): 0.136 I 999 180	
	HORZ(LL): 0.025 H	l
-	HORZ(TL): 0.052 H	
	Creep Factor: 2.0	
S	Max TC CSI: 0.344	
	Max BC CSI: 0.516	
	Max Web CSI: 0.372	
		1
1	VIEW Ver: 19.02.02B.0122.15	

A M			ections	(lbs)		1-142
	G	ravity		N	Ion-Gra	vity
Loc	R+	/R-	/ Rh	/ Rw	10	/RL
В	1121	1-	1-	/672	/35	/190
G	1011	1-	1-	/583	/21	1-
Win	d read	ctions b	ased or	MWFRS		
В	Brg V	Vidth =	5.5	Min Re	eq = 1.	5
G	Brg V	Vidth =	3.5			
Bea	rings	B&Ga	re a rig	id surface.		
				forces les		375#
				orces Per		
				Chords		
B - 0	С	356 -	1591	E-F	338	- 1172
C - 1	D	328 -	1173	F-G	360	- 1572
D - I	Ε	320 -	935			

Maximum Bot Chord Forces Per Ply (lbs)

Chords

I-H

Tens. Comp.

- 240

1279

Lumber Top chord: 2x4 SP #2:

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

Purlins

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

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

Additional Notes

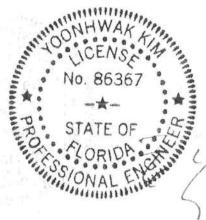
Refer to General Notes for additional information The overall height of this truss excluding overhang is 6-9-5

	K - J J - I	1298	- 246 - 119	H-G	1281	- 240	
HWAW PERO		13.55 Al.	Forces	Per Ply (I	bs) Tens. (Comp.	
CENIO TIME	C - J	152	- 480	I-F	153	- 464	

Chords Tens.Comp.

1300 - 246

B-K



FL REG# 278, Yoonhwak Kim, FL PE #86367 06/01/2020

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SEQN: 318596 SPEC Ply: 1 Job Number: 20-4196 Cust: R 215 JRef: 1WVR2150002 T1 FROM: CDM Qty: 1 Reinard Wilson DrwNo: 153.20.0913.12090 Truss Label: C05 / YK 06/01/2020 4'8"13 13'10" 18'8 19'9' 24'5" 4'8"13 4'3"3 4'10" 4'10' 4'8' 112X4 =5X6 G 4X6 D 2X4 1 4X5(SRS) 2X4 C 6.2 =3X4 = 5X6 = 3X5 =3X5(A1)3X5 24'5" 5'11" 4'10" 4'8" - 1'6" -9 13'10' 19'9" 24'5"

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Std: ASCE 7-10 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): 0.050 E 999 240 VERT(CL): 0.103 E 999 180 HORZ(LL): 0.019 I
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.040 I
Lumber	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member

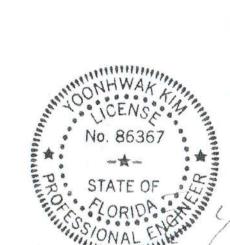
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

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

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is



▲ Maximum Reactions (Ibs) Non-Gravity Gravity Loc R+ /Rh /RL /R-/Rw /U В /702 1127 /-1-/101 /128 1005 /-1-/537 Wind reactions based on MWFRS Brg Width = 5.5 Min Reg = 1.5 Brg Width = 3.5 Min Reg = 1.5 Bearings B & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B-C 360 - 1591 E-F 328 - 1158 F-G C-D 328 - 1334 220 - 784 D-E 328 - 1158

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

1315 - 446 K-J 837 - 253 L-K 1092 - 341 J - I647 - 189

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	s Tens. Con		
K-F	476	- 144	G-J	1053	- 291	
F-J	318	- 951	G-1	306	- 1047	

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SEQN: 318598 SPEC Ply: 1 Job Number: 20-4196 Cust: R 215 JRef: 1WVR2150002 T29 FROM: CDM Qty: 1 Reinard Wilson DrwNo: 153.20.0913.24340 Truss Label: C07 / YK 06/01/2020 11'10" 16'8" 21'9" 5'1 2'8" 112X4 M.7X6 12X4 D 12X10 =4X10(B3) =8X8 ■5X5 113X6

4'10"

Snow Criteria (Pg,Pf in PSF)

Loading Criteria (psf)	Wind Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Stiteria Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60
Lumber	

Ct: NA CAT: NA PP Deflection in loc L/defl L/# Pg: NA Pf: NA VERT(LL): 0.117 D 999 240 Ce: NA Lir NA Cs: NA VERT(CL): 0.237 D 999 180 Snow Duration: NA HORZ(LL): -0.033 G HORZ(TL): 0.066 G Code / Misc Criteria Creep Factor: 2.0 Bldg Code: FBC 2017 RES Max TC CSI: 0.935 TPI Std: 2014 Max BC CSI: 0.743 Rep Fac: Varies by Ld Case Max Web CSI: 0.723 FT/RT:20(0)/10(0) Plate Type(s):

Defl/CSI Criteria

VIEW Ver: 19.02.02B.0122.15

9111 21'9"

A 1		um Rea	ctions	March College	F		
	G	iravity		N	on-Gra	vity	
Lo	R+	/ R-	/Rh	/ Rw	/ U	/RL	
В	2441	1-	1-	1-	/420	1-	
H	1714	1-	1-	1-	/276	1-	
Wi	nd read	ctions ba	sed on	MWFRS			
B	Brg V	Vidth = 5 Vidth = 3	5.5	Min Re	q = 2.0)	
H	Brg V	Vidth = 3	3.5	Min Reg = 1.5			
				d surface.			
				forces les	s than :	375#	
				orces Per			
				Chords			
В-	С	686 -4	198	D-E	555	- 3810	
C-	D	555 - 3	810	E-F	136	- 790	

Londing Coltage Co

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

Bracing

(a) Continuous lateral restraint equally spaced on

Special Loads

(Lumber	Dur.Fac.=1.	25 / Plate [Our.Fac.=1.	25)
TC: From	63 plf at		63 plf at	7.00
TC: From	32 plf at	7.00 to	32 plf at	9.60
TC: From	63 plf at	9.60 to	63 plf at	24.42
BC: From	5 plf at	-1.50 to	5 plf at	
BC: From	20 plf at		20 plf at	7.03
	10 plf at	7.03 to	10 plf at	9.60
BC: From	20 plf at	9.60 to	20 plf at	24.42
TC: 269 lb	Conc. Load	at 7.03	100.000	
TC: 190 lb	Conc. Load	at 9.06		
BC: 470 lb	Conc. Load	at 7.03		
BC: 130 lb	Conc. Load	at 9.06		
BC: 1073 lb	Conc. Load	at 9.60		

Purlins

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

Wind

Wind loads and reactions based on MWFRS. Right end vertical not exposed to wind pressure.

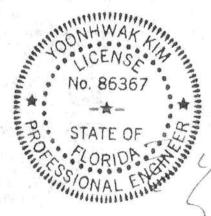
Additional Notes

WAVE

Refer to General Notes for additional information The overall height of this truss excluding overhang is

Chords	Tens.C	comp.	Chords	Tens.	Comp.
B - K	3536	- 558	J-1	2672	- 439
K-J	3579	- 560	1 - H	602	-85

Maximum Web Forces Per Ply (lbs) Tens.Comp. Webs Tens. Comp. 1189 F-1 1715 - 184 J-E 1485 - 151 F-H 238 - 1694 E-1 453 - 2648



FL REG# 278, Yoonhwak Kim, FL PE #86367 06/01/2020

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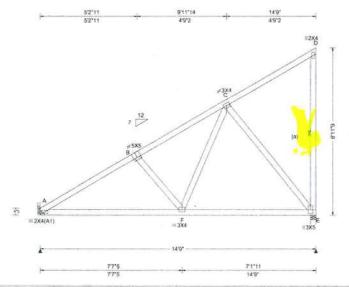
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry

SEQN: 318600 FROM: CDM

MONO Ply: 1 Qty: 3 Job Number: 20-4196

Reinard Wilson Truss Label: C09 Cust: R 215 JRef: 1WVR2150002 T68 DrwNo: 153.20.0913.28907

/ YK 06/01/2020



Loading Criteria (psf)	Wind Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 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: 1.60

Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria Ct: NA CAT: NA PP Deflection in loc L/defl L/# Pa: NA Pf: NA Ce: NA VERT(LL): 0.016 F 999 240 VERT(CL): 0.031 F 999 180 Lu: NA Cs: NA Snow Duration: NA HORZ(LL): -0.007 D HORZ(TL): 0.013 D Code / Misc Criteria Creep Factor: 2.0 Bldg Code: FBC 2017 RES Max TC CSI: 0.363 TPI Std: 2014 Max BC CSI: 0.701 Max Web CSI: 0.648 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE VIEW Ver: 19.02.02B.0122.15

	(Gravity		1	Non-Gra	vity
Loc	R+	/R-	/ Rh	/ Rw	/ / U	/RL
Α	644	/-	/-	/402	! /-	/164
E	669	/-	1-	/429	/80	/-
Wir	id rea	ctions b	ased on	MWFRS	3	
A	Brg 1	Width =	-	Min F	Req = -	
E	Brg 1	Width =	3.5	Min F	Reg = 1.	5
Bea	ring l	E is a rig	gid surfa	ce.		
Mer	mbers	not list	ed have	forces le	ss than	375#
Max	kimui	n Top (Chord F	orces Pe	er Ply (It	os)
Cho	ords	Tens.C	omp.	Chords	Tens.	Comp
Λ.	B	41	- 923	B-C	48	-73

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on

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=0' uses the following support conditions: 0'

Bearing A (0', 10'1"2) LUS26

Supporting Member: (1)2x6 SP 2400f-2.0E (4) 0.148"x3" nails into supporting member

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

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

Wind

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

Right end vertical not exposed to wind pressure.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 739 - 247 F-E 387 - 130

Maximum Web Forces Per Ply (lbs) Webs

Tens.Comp. Webs Tens. Comp. F-C 493 -93 C-E 204 -607

Refer to General Notes to acquirrant Metro Sopphiblish Mishing

The overall height on 8-11-9.

FL REG# 278, Yoonhwak Kim, FL PE #86367 06/01/2020

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COMN Ply: 2 SEQN: 318602 Job Number: 20-4196 Cust: R 215 JRef: 1WVR2150002 T33 FROM: CDM Qty: Reinard Wilson DrwNo: 153.20.0913.33760 Truss Label: D02 / YK 06/01/2020 2 Complete Trusses Required 3'11"13 7'6" 11'0"3 15' 3'11"13 3'6"3 3'6"3 3'11"13 12 ≥2X4 C =4X4(A1) = 3X5(A1) 7'6' 7'6" - 1'6" --1'6" --7'6' 15 Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) **Defl/CSI Criteria** ▲ Maximum Reactions (lbs) 20.00 Wind Std: ASCE 7-10 TCLL: Pa: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/# Gravity Non-Gravity TCDL: Speed: 130 mph 10.00 Loc R+ Pf: NA /R-/Rh /RL Ce: NA VERT(LL): 0.039 H 999 240 /Rw / U Enclosure: Closed BCII: 0.00 Lu: NA Cs: NA VERT(CL): 0.077 H 999 180 В 3028 1-/669 1-Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.012 H 2148 1-EXP: C Kzt: NA /402 HORZ(TL): 0.023 H Des Ld: 40.00 Wind reactions based on MWFRS Mean Height: 15.00 ft NCBCLL: 0.00 Code / Misc Criteria Creep Factor: 2.0 Brg Width = 5.5 Min Reg = 1.5 TCDL: 5.0 psf Brg Width = 5.5 Soffit 2.00 Bldg Code: FBC 2017 RES Min Reg = 1.5 Max TC CSI: 0.392 BCDL: 5.0 psf Bearings B & F are a rigid surface. Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 TPI Std: 2014 Max BC CSI: 0.520 Members not listed have forces less than 375# Rep Fac: No Spacing: 24.0 ' Max Web CSI: 0.639 C&C Dist a: 3.00 ft Maximum Top Chord Forces Per Ply (lbs) Loc. from endwall: not in 13.00 ft FT/RT:20(0)/10(0) Chords Tens.Comp. Chords Tens. Comp. Plate Type(s): GCpi: 0.18 Wind Duration: 1.60 B-C WAVE VIEW Ver: 19.02.02B.0122.15 377 - 1946 D-E 324 - 1800 C-D 326 - 1810 E-F 359 - 1885 Lumber Top chord: 2x4 SP #2; Bot chord: 2x6 SP 2400f-2.0E; Maximum Bot Chord Forces Per Ply (lbs) Webs: 2x4 SP #3; Chords Tens.Comp. Chords Tens. Comp. 1689 - 325 H-F 1596 - 298 Nailnote Nail Schedule:0.131"x3", min. nails Maximum Web Forces Per Ply (lbs) Webs Tens.Comp

Top Chord: 1 Row @12.00" o.c.

Bot Chord: 1 Row @ 6.00" o.c.

Webs : 1 Row @ 4" o.c.

Use equal spacing between rows and stagger nails

in each row to avoid splitting.

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 63 plf at -1.50 to 63 plf at 5 plf at 16.50 BC: From -1.50 to 5 plf at 0.00 0.00 to BC: From 10 plf at 10 plf at 7.88 BC: From 20 plf at 7.88 to 20 plf at 15.00 BC: From 5 plf at 15.00 to 5 plf at 16.50 653 lb Conc. Load at 1.94 657 lb Conc. Load at 3.94 BC: 884 lb Conc. Load at 5.94

Wind

Wind loads and reactions based on MWFRS.

BC: 1610 lb Conc. Load at 7.88

Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is



FL REG# 278, Yoonhwak Kim, FL PE #86367 06/01/2020

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6750 Forum Drive Suite 305 Orlando FL, 32821

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

D-H 1677 - 271

SEQN: 318604 HIPS Ply: 2 Job Number: 20-4196 Cust: R 215 JRef: 1WVR2150002 T12 FROM: CDM Qty: 1 Reinard Wilson DrwNo: 153.20.0913.37767 Truss Label: D04 / YK 06/01/2020 2 Complete Trusses Required 4'9" 11'9' 16'6" 4'9' 4'9' 4X6 B = 4X4 C 3'1"9 D 4.5 ≡3X4 = 5X5 = 3X4(A1) = 3X4(A1)16'6" 4'9" 4'9" 4'9' 11'9" 16'6" Loading Criteria (psf) Wind Criteria ▲ Maximum Reactions (lbs) Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria

TCLL:	20.00	Wind
TCDL:	10.00	Speed
BCLL:	0.00	Enclo
BCDL:	10.00	Risk (
Des Ld:	40.00	EXP:
NCBCLL		Mean
Soffit:		BCDL
	ration: 1.25	MWF
Spacing:		C&C
		Loc. f

Std: ASCE 7-10 d: 130 mph sure: Closed Category: II C Kzt; NA Height: 15.00 ft L: 5.0 psf L: 5.0 psf

RS Parallel Dist: 0 to h/2 Dist a: 3.00 ft from endwall: not in 9.00 ft GCni: 0 18 Wind Duration: 1.60

Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE

PP Deflection in loc L/defl L/# VERT(LL): 0.032 F 999 VERT(CL): 0.062 F 999 HORZ(LL): 0.015 E HORZ(TL): 0.029 E Creep Factor: 2.0 Max TC CSI: 0.406 Max BC CSI: 0.966 Max Web CSI: 0.182

240 180 VIEW Ver: 19.02.02B.0122.15

Gravity Non-Gravity Loc R+ /R-/Rh /Rw /U /RL A 1835 1-1-/125 /-D 1743 /-1-/129 Wind reactions based on MWFRS Brg Width = 5.5 Min Reg = 1.5 Brg Width = 5.5 Min Reg = 1.5Bearings A & D are a rigid surface.

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

A-B 104 - 1359 B-C

104 - 1352

C-D 77 - 1192

Chords Tens.Comp. Chords Tens. Comp. A-F 1149 -80 E-D 1143 -80 F-E -78 1173

Maximum Bot Chord Forces Per Ply (lbs)

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Tens. Comp. Webs B-F 471 E-C 478

Lumber

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2;

Webs: 2x4 SP #3;

Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @10.75" 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) 63 plf at 10 plf at TC: From 63 plf at 0.00 to 16.50 10 plf at 0.00 to BC: From 16.50 296 lb Conc. Load at 0.94, 2.94, 4.94, 6.94 8.94,10.94,12.94,14.94

Purlins

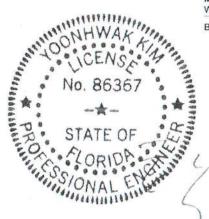
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

Wind loads and reactions based on MWFRS.

Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is



FL REG# 278, Yoonhwak Kim, FL PE #86367 06/01/2020

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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.sbcindustry.com; ICC: www.iccsafe.org

SEQN: 318606 HIPS Ply: Job Number: 20-4196 Cust: R 215 JRef: 1WVR2150002 T41 FROM: CDM Qty: 1 Reinard Wilson DrwNo: 153.20.0913.41793 Truss Label: E02 / YK 06/01/2020 5' 6'8" 11'8" 5' 1'8" 5' = 4X4 C ≡4X4 D 4*5 H 2X4 G 2X4 = 2X4(A1) 2X4(A1) 1'6"8 1'6"8 -1'8" 5' - 1'6" -1'6" --5' 6'8" 11'8"

Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18	Snow Criteria (Pg,Pf in PSF) 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): 0.073 G 288 240 VERT(CL): 0.168 G 126 180 HORZ(LL): -0.019 C -	l J
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "		Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.037 C	Wind I J Bear Men
Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15	11 }	

	- 0	Gravity		N	on-Gra	vity
Lo	: R+	/R-	/Rh	/ Rw	/ U	/RL
1	613	1-	1-	/432	/96	/119
J	613	1-	1-	/432	/96	1-
Wi	nd read	ctions b	ased on	MWFRS		
1	Brg V	Vidth =	5.5	Min Re	a = 1.5	5
J	Brg V	Vidth =	5.5	Min Re		
Bea	arings	& Jare	a rigid s	surface.	-	
				orces les	e than	375#

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP M-31; 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 member design.

Left and right cantilevers are exposed to wind

Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 3-3-5.



FL REG# 278, Yoonhwak Kim, FL PE #86367 06/01/2020

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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.sbcindustry

SEQN: 318608 COMN Ply: 1 Job Number: 20-4196 Cust: R 215 JRef: 1WVR2150002 T60 FROM: CDM Reinard Wilson Qty: 1 DrwNo: 153.20.0913.47457 Page 1 of 2 Truss Label: G01 06/01/2020 12'5"8 5'5"8 5X6 C 112X4 D T2

	7 12			(a)	4.5.8
A =3X	B 4(A1)	7	F 13X4		₩3x5
	•		12'5"8		-1
- 1'6" -	•	7° 7°		5'5"8 12'5"8	

Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.023 F 999 240 VERT(CL): 0.045 F 999 180 HORZ(LL): 0.010 E - -
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "		Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.019 E Creep Factor: 2.0 Max TC CSI: 0.894 Max BC CSI: 0.820 Max Web CSI: 0.370
Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15	

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh / Rw /RI /R-/U В 1033 /-1-/238 /-1256 /-1-/285 1-Wind reactions based on MWFRS Brg Width = 3.5 Min Req = 1.5 Brg Width = -Min Reg = -Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B-C 310 - 1351

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 1061 - 225 F-E 1087 - 226

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. C-E 284 - 1365

Lumber

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 member

Special Loads

(Lumber	Dur.Fac.=1.	25 / Plate D	Our.Fac.=1.2	25)
TC: From	63 plf at	-1.50 to	63 plf at	7.00
TC: From	32 plf at	7.00 to	32 plf at	12.46
BC: From	5 plf at	-1.50 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	7.03
BC: From	10 plf at	7.03 to	10 plf at	12.46
TC: 269 lb	Conc. Load	at 7.03		
TC: 190 lb	Conc. Load	at 9.06,11	.06	
BC: 470 lb	Conc. Load	at 7.03		
BC: 130 lb	Conc. Load	at 9.06,11	.06	

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.

Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 4-5-5.



FL REG# 278, Yoonhwak Kim, FL PE #86367 06/01/2020

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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.sbcindustry.com; ICC: www.iccsafe.org

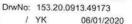
SEQN: 318609 FROM: CDM

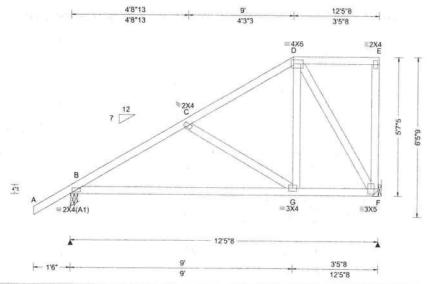
COMN Ply: 1

Qty: 1

Job Number: 20-4196 Reinard Wilson Truss Label: G02

Cust: R 215 JRef: 1WVR2150002 T58





Defl/CSI Criteria

HORZ(LL): 0.004 G

HORZ(TL): 0.013 G

Max TC CSI: 0.289

Max BC CSI: 0.639

Max Web CSI: 0.337

VIEW Ver: 19.02.02B.0122.15

Creep Factor: 2.0

PP Deflection in loc L/defl L/#

VERT(LL): 0.009 C 999 240

VERT(CL): 0.021 G 999 180

Loading Criteria (psf)	Wind Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60

Simpson Construction Hardware is specified based

on the most current information provided by Simpson

Strong-Tie. Please refer to the most recent Simpson

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

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.

WAVE Wind

Pa: NA

Pf: NA

III NA

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

Right end vertical not exposed to wind pressure.

Additional Notes

Snow Criteria (Pg,Pf in PSF)

Cs: NA

Bldg Code: FBC 2017 RES

Snow Duration: NA

Code / Misc Criteria

TPI Std: 2014

Rep Fac: Yes

Plate Type(s):

FT/RT:20(0)/10(0)

Ct: NA CAT: NA

Ce: NA

The overall height of this truss excluding overhang is

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /R-/Rh /RL /Rw /U B 633 /429 /81 /175 504 1-/302 /120 1-Wind reactions based on MWFRS Brg Width = 3.5 Min Req = 1.5 Brg Width = -Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B-C 117 -661 C-D 69 - 380

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

B-G 523 - 226

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. D-G 167 -467

Refer to General Notes for additional information

Bearing at location x=12'2"8 uses the following support conditions: 12'2"8 Bearing F (12'2"8, 10'1"2) LUS26

Supporting Member: (1)2x6 SP 2400f-2.0E

(4) 0.148"x3" nails into supporting member,

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

Purlins

coverage

Lumber

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2;

Webs: 2x4 SP #3:

Hangers / Ties

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

> FL REG# 278, Yoonhwak Kim, FL PE #86367 06/01/2020

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SEQN: 318611 MONO Ply: 1 FROM: CDM Qty: 3 Job Number: 20-4196 Reinard Wilson Truss Label: G04

Cust: R 215 JRef: 1WVR2150002 T63 DrwNo: 153.20.0913.51913 / YK 06/01/2020

17.8 13X5 12518

mountained orinoring (book	
TCLL: 20.00	Wind Std: ASCE 7-10
TCDL: 10.00	Speed: 130 mph
BCLL: 0.00	Enclosure: Closed
BCDL: 10.00	Risk Category: II
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0."	EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 f
	GCpi: 0.18

Loading Criteria (psf) Wind Criteria

Snow C	riteria (Pg	Pf in PSF
Pg: NA	Ct: NA	CAT: N
Pf: NA		Ce: NA
Lu: NA	Cs: NA	
Snow Du	uration: N	A

Code / Misc Criteria
Bldg Code: FBC 2017 RI
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

in 9.00 ft

Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.009 F 999 240 VERT(CL): 0.019 F 999 180 HORZ(LL): 0.004 E HORZ(TL): 0.008 E Creep Factor: 2.0 Max TC CSI: 0.621 Max BC CSI: 0.501 Max Web CSI: 0.533

VIEW Ver: 19.02.02B.0122.15

	G	Gravity		bs) No	on-Grav	vity	
Loc	R+	/ R-	/Rh	/ Rw	/ U	the state of the s	
В	633	1-	/-	/430	/51	/232	
E	504	/-	1-	/355	/144	/-	
Wir	nd read	ctions b	ased on I	MWFRS			
В	Brg V	Vidth =	3.5	Min Re	q = 1.5	5	
E	Brg V	Vidth =	5.5	Min Re	q = 1.5	5	
Bea	arings	В&Еа	re a rigid	surface.	35		
Me	mbers	not liste	ed have f	orces les	s than 3	375#	
Ma	ximun	n Top C	hord Fo	rces Per	Ply (lb	s)	
		Tens.Co			W 134/3655	200	

Lumber

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

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

Wind Duration: 1.60

Right end vertical not exposed to wind pressure.

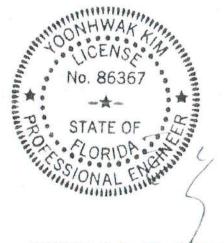
Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 7-7-8

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 485 - 175 F-E

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

C-E 209 - 575



FL REG# 278, Yoonhwak Kim, FL PE #86367 06/01/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

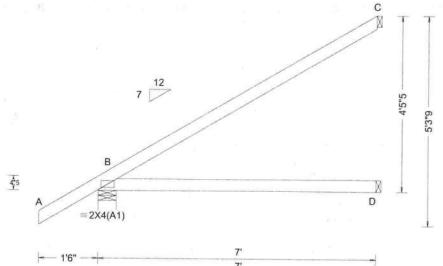
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SEQN: 318613 **EJAC** Ply: 1 Job Number: 20-4196 Cust: R 215 JRef: 1WVR2150002 T9 FROM: CDM Qty: 38 Reinard Wilson DrwNo: 153.20.0913.55890 Truss Label: J01 06/01/2020



	1'6"	+	7' 7'			
Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00	Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA	▲ Maximum Reactions (Ib Gravity Loc R+ /R- /Rh	Non-Grav	vity / RL
BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00	Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Lu: NA Cs: NA Snow Duration: NA	VERT(CL): NA HORZ(LL): 0.014 D - HORZ(TL): 0.027 D -	B 412 /- /- D 130 /- /- C 190 /- /-	/288 /42 /90 /0 /99 /78	/141 /-
NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft C&C Dist a: 3.00 ft C&C Dist a: 3.		Creep Factor: 2.0 Max TC CSI: 0.730 Max BC CSI: 0.520 Max Web CSI: 0.000	Wind reactions based on MWFRS B Brg Width = 5.5 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#		
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15	1 7 4		

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

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

Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is



FL REG# 278, Yoonhwak Kim, FL PE #86367 06/01/2020

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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.sbcindt

SEQN: 318615 FROM: CDM

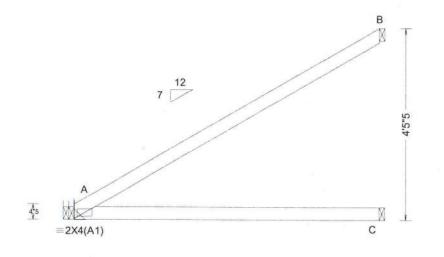
EJAC Ply: 1

Qty: 8

Job Number: 20-4196

Reinard Wilson Truss Label: J01A Cust: R 215 JRef: 1WVR2150002 T83

DrwNo: 153.20.0913.58310 / YK 06/01/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	A M			actions (I			
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	1	G	Gravity		N	on-Gra	ivity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc	R+	/ R-	/Rh	/Rw	/ U	/RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	Α	296	1-	/-	/192	1-	177
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.017 C	C	132	1-	1-	/96	1-	1-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.034 C	В	197	1-	/-	/106	/41	1-
NCBCLL: 10.00	Mean Height: 15.00 ft	Code / Misc Criteria Cre	Creep Factor: 2.0	Wind reactions based on MV	MWFRS	VFRS Min Req = -				
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.787	A Brg Width = - Min F			Min Re			
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.543	18500	-	Vidth =		Min Re	q = -	
Spacing: 24.0 "		Rep Fac: Yes	Max Web CSI: 0.000	В	Brg V	Vidth =	1.5	Min Re	q = -	
Spacing, 24.0	C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	FT/RT:20(0)/10(0) Plate Type(s):	IVIAX VVED CGI. 0.000	Members not listed have forces less		s than	375#			
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15	1						

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

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

Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 4-5-5.



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SEQN: 318617 FROM: CDM

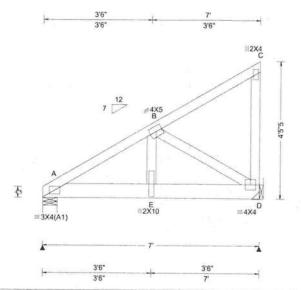
EJAC Ply: 1 Qty: 1 Job Number: 20-4196 Reinard Wilson

Truss Label: J01C

Cust: R 215 JRef: 1WVR2150002 T30 DrwNo: 153.20.0914.05430

06/01/2020

/ YK



Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60
--	--

Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria				
Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.015 E 999 240				
Lu: NA Cs: NA	VERT(CL): 0.029 E 999 180				
Snow Duration: NA	HORZ(LL): -0.005 C				
Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s):	Max BC CSI: 0.290				
WAVE	VIEW Ver: 19.02.02B.0122.15				

		ravity	ctions (on-Gra	vity
Loc	R+	/R-	/Rh	/ Rw	/ U	/RL
Α	1372	1-	1-	1-	/40	1-
D	1073	1-	1-	1-	/46	1-
Win	d read	ctions b	ased on	MWFRS		
A	Brg V	Vidth =	5.5	Min Re	q = 1.5	5
D	Brg V	Vidth =		Min Re		
Bea	ring A	is a rig	id surfac	e.		
				orces les	s than	375#
Max	imum		hord Fo	rces Per		
A - I	В	57 -	1544			

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

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 63 plf at 0.00 to 63 plf at BC: From 10 plf at 0.00 to 10 plf at BC: 644 lb Conc. Load at 1.06, 3.06, 5.06

Hangers / Ties

member.

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=6'9" uses the following support conditions: 6'9" Bearing D (6'9", 10'1"2) HUS26 Supporting Member: (1)2x6 SP 2400f-2.0E (14) 0.148"x3" nails into supporting member (4) 0.148"x3" nails into supported

Wind

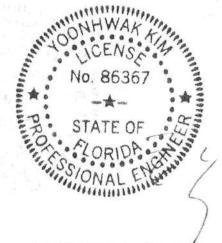
Wind loads and reactions based on MWFRS. Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is

Maximu	Maximum Bot Chord Forces Per Ply (lbs)						
Chords			Chords				
A-E	1312	-37	E-D	1268	- 39		

Maximum Web Forces Per Ply (lbs) Webs Webs Tens.Comp. Tens. Comp. E-B 1260 B-D 45 - 1476



FL REG# 278, Yoonhwak Kim, FL PE #86367 06/01/2020

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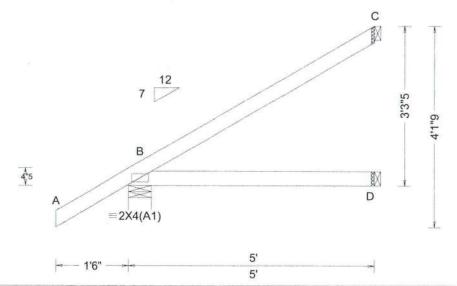
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC

SEQN: 318619 Ply: 1 JACK Job Number: 20-4196 Cust: R 215 JRef: 1WVR2150002 T6 FROM: CDM Reinard Wilson Qty: 14 DrwNo: 153.20.0914.09270 Truss Label: J02 / YK 06/01/2020



Loading Criteria (psf) TCLL: 20.00	Wind Criteria Wind Std: ASCE 7-10	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/#	▲ Maximum Reactions (Ibs) Gravity Non-Gravity
TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18	Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	VERT(LL): NA VERT(CL): NA HORZ(LL): 0.004 D HORZ(TL): 0.008 D Creep Factor: 2.0 Max TC CSI: 0.319 Max BC CSI: 0.251 Max Web CSI: 0.000	Loc R+ /R- /Rh /Rw /U /RL
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15	

Lumber

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

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

Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 3-3-5.



FL REG# 278, Yoonhwak Kim, FL PE #86367 06/01/2020

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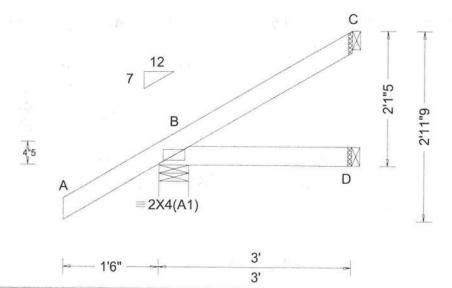
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses A seal on this drawing or cover page listing this drawing,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

6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 318621 FROM: CDM

JACK Ply: Qty: 25

Job Number: 20-4196 Reinard Wilson Truss Label: J03

Cust: R 215 JRef: 1WVR2150002 T7 DrwNo: 153.20.0914.13487 / YK 06/01/2020



Loading	Criteria (psf)	
TCLL:	20.00	
TCDL:	10.00	ı
BCLL:	0.00	ı
BCDL:	10.00	ı
Des Ld:	40.00	1
NCBCLL	: 10.00	ŀ
Soffit:	2.00	ŀ
Load Du	ration: 1.25	1
Spacing:	24.0 "	1
		1

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft

GCpi: 0.18 Wind Duration: 1.60

FI. NA CE, NA
Lu: NA Cs: NA
Snow Duration: NA
Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Snow Criteria (Pg,Pf in PSF)

Pg: NA

Pf. NA

Criteria (Pg,Pf in PSF) Ct: NA CAT: NA Ce: NA Cs: NA Ouration: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 D HORZ(TL): 0.001 D Creep Factor: 2.0 Max TC CSI: 0.182 Max BC CSI: 0.073 Max Web CSI: 0.000				
Misc Criteria dde: FBC 2017 RES : 2014 c: Yes 20(0)/10(0)					

VIEW Ver: 19.02.02B.0122.15

Gravity			Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/U	/ RL
В	265	/-	1-	/196	/40	174
D	50	1-	1-	/39	12	1-
C	63	1-	1-	/27	/28	1-
Win	d read	ctions b	ased on	MWFRS		
В	Brg Width = 5.5 Min Reg = 1.5					
D						
C						
Bea	ring B	is a rig	id surfac			
				orces less	than	375#

Lumber

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

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

Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 2-1-5



FL REG# 278, Yoonhwak Kim, FL PE #86367 06/01/2020

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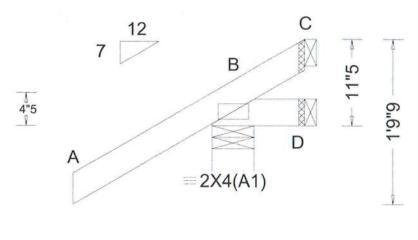
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6750 Forum Drive Suite 305 Orlando FL, 32821

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

Ply: 1 SEQN: 318623 JACK Job Number: 20-4196 FROM: CDM Qty: 26 Reinard Wilson Truss Label: J04

Cust: R 215 JRef: 1WVR2150002 T8 DrwNo: 153.20.0914.20417 06/01/2020





Coading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Snow Criteria (Pg,Pf in PSF) 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): NA VERT(CL): NA HORZ(LL): -0.000 D	Loc B D
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18	Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.001 D	Win B D C Bea Mer
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15	

Gravity			Non-Gravity			
Loc	R+	/ R-	/Rh	/ Rw	/ U	/RL
В	257	1-	/-	/210	/65	/41
D	5	1-17	/-	/17	/18	1-
C	*	/-55	1-	/33	/60	1-
Wir	nd read	ctions b	ased on	MWFRS		
B Brg Width = 5.5			Min Req = 1.5			
D Brg Width = 1.5			Min Reg = -			
C Brg Width = 1.5			Min Reg = -			
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;

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

Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is



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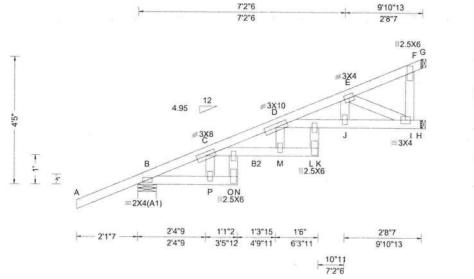
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

SEQN: 318625 Ply: 1 FROM: CDM Qty: 1

Job Number: 20-4196 Reinard Wilson Truss Label: J05AHJ Cust: R 215 JRef: 1WVR2150002 T32 DrwNo: 153.20.0914.31463 / YK 06/01/2020



Loading Criteria (psf)	Wind Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration; 1.25 Spacing: 24.0 "	EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60

Snow C	riteria (Pg	Defl/CSI Criteria	
Pg: NA	Ct: NA	CAT: NA	PP Deflection in
Pf: NA		Ce: NA	VERT(LL): 0.230
Lu: NA	Cs: NA	1	VERT(CL): 0.516
Snow Duration: NA			HORZ(LL): 0.101
			HORZ(TL): 0.226
Code / N	Aisc Crite	ria	Creep Factor: 2.0
Bldg Code: FBC 2017 RES			Max TC CSI: 0.4
TPI Std:	2014		Max BC CSI: 0.9
Rep Fac	: Varies b	v I d Case	Max Web CSI: 0.4

FT/RT:20(0)/10(0) Plate Type(s):

WAVE

PP Deflection in loc L/de	efl L/#
VERT(LL): 0.230 M 50	09 240
VERT(CL): 0.516 M 22	26 180
HORZ(LL): 0.101 I -	
HORZ(TL): 0.226 1 -	
Creep Factor: 2.0	
Max TC CSI: 0.473	
Max BC CSI: 0.968	
Max Web CSI: 0.485	
VIEW Ver: 19.02.02B.012	22.15

	/	N	on-Gra	vity	
Loc R+ /R-	/Rh	/Rw	/ U	/ RL	
B 372 /-	/-	/-	/188	/-	
H 200 /-	1-	1-	/35	1-	
G 225 /-	1-	1-	/28	1-	
Wind reactions	based on	MWFRS			
B Brg Width	= 7.8	Min Req = 1.5			
H Brg Width = 1.5		Min Reg = -			
G Brg Width	= 1.5	Min Reg = -			
Bearing B is a	rigid surfac	e.			
Members not li	sted have f	orces les	s than 3	375#	

D-E 229 - 1187

Chords Tens.Comp.

Top chord: 2x4 SP M-31; Bot chord: 2x4 SP #2; B2 2x4 SP M-31;

Webs: 2x4 SP #3;

Special Loads

Lumber

(Lumbe	r Dur.Fac.=1.	.25 / Plate [Dur.Fac.=1.2	(5)
TC: From	0 plf at	-2.12 to	62 plf at	0.00
TC: From	2 plf at	0.00 to		9.90
BC: From	0 plf at	-2.12 to	4 plf at	0.00
	2 plf at			
	24 plf at			
BC: From	20 plf at	6.31 to	20 plf at	9.90
TC: -44 lb	Conc. Load	at 1.48	. —	
TC: 144 I	b Conc. Load	at 4.31		
TC: 267 I	b Conc. Load	at 7.13		
	b Conc. Load			
BC: 381	b Conc. Load	at 4.31		
BC: 991	b Conc. Load	at 7.13		

Plating Notes

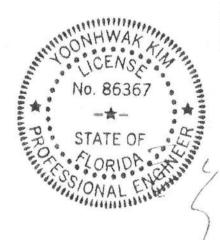
All plates are 2X4 except as noted.

Wind

Wind loads and reactions based on MWFRS.

Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 4-5-0.



D-L	1082	- 205	J-1	1115	-219
L-J	1156	- 225			
Maximu	ım Web	Forces	s Per Ply (lbs)	

Chords Tens. Comp.

Maximum Bot Chord Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
D-M	99	-419	J-E	477	-71
L-K	390	- 79	E-1	239	- 1216

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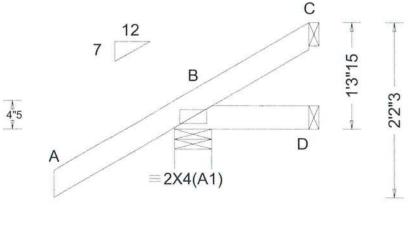
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		ng rawar miking	

Ply: 1 SEQN: 318627 EJAC Job Number: 20-4196 Cust: R 215 JRef: 1WVR2150002 T74 FROM: CDM Qty: 2 Reinard Wilson DrwNo: 153.20.0914.34230 Truss Label: J07 / YK 06/01/2020



1'6" _		1'8"	_1
10	(345)	1'8"	

Loading Criteria (psf) TCLL: 20.00	Wind Criteria Wind Std: ASCE 7-10	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/#	AN		um Rea	ctions (I		on-Gra	vity
TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 D	B D	131.70	/ R- /- /-1	/ Rh /- /-	/ Rw /186 /23	/47 /10	/ RL /52 /-
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCDi: 0.18	Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.001 D C 3 /- Creep Factor: 2.0 Wind reactions ba B Brg Width = 5 D Brg Width = 1 C Brg Width = 1 Bearing B is a rigid	5.5 1.5 1.5 jid surfac	Min Req = 1.5 Min Req = - Min Req = -					
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15							

Lumber

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

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

Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is



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6750 Forum Drive Suite 305 Orlando FL, 32821

SEQN: 318629 HIP_ Ply: Job Number: 20-4196 Cust: R 215 JRef: 1WVR2150002 T66 FROM: CDM Qty: 1 Reinard Wilson DrwNo: 153.20.0914.37450 Truss Label: J09HJ 06/01/2020 4.95 B D \equiv 2X4(A1)

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (It	os)	1977
TCLL: 20.00 TCDL: 10.00	Wind Std: ASCE 7-10 Speed: 130 mph	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA	PP Deflection in loc L/defl L/#	Gravity Loc R+ /R- /Rh	Non-Gra	avity / RL
BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00	Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Lu: NA Cs: NA Snow Duration: NA	VERT(LL): NA VERT(CL): NA HORZ(LL): -0.001 D	B 157 /- /- D 18 /-12 /-	/235 /91 /32 /20	/48 /-
NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24,0 "	00 Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf WWFRS Parallel Dist: 0 to h/2	Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Max TC CSI: 0.600 B Brg Width = 7.8 Max BC CSI: 0.136 D Brg Width = 1.5 C Brg Width = 1.5 Brg Width = 1.5 Brg Width = 1.5 Brg Width = 1.5	Wind reactions based on MB Brg Width = 7.8 D Brg Width = 1.5	Min Req = 1. Min Req = - Min Req = -	by:
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15	e garage		

Lumber

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

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

Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 1-1-10.



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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.sbcindustry.co

SEQN: 318631 HIPS Job Number: 20-4196 Cust: R 215 JRef: 1WVR2150002 T25 Ply: 1 FROM: CDM Reinard Wilson DrwNo: 153.20.0914.45103 Qty: 1 Truss Label: PB02 / YK 06/01/2020 9"8 6'2"4 12'3"8 13'1"1 9"8 5'4"11 6'1"5 3'3"7 (TYP) Н 2X4(A1) = 2X4(A1) 11'6" 11'6" 9"8 9"8 13'1"1 12'3"8 ▲ Maximum Reactions (lbs), or *=PLF Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria Wind Std: ASCE 7-10 Ct: NA CAT: NA PP Deflection in loc L/defl L/# Gravity Non-Gravity 20.00 Pa: NA TCLL: /R-10 /RL Speed: 130 mph TCDL: 10.00 Pf: NA VERT(LL): 0.000 D 999 240 Enclosure: Closed VERT(CL): 0.001 D Cs: NA 999 180 0.00 Lu: NA BCLL: 19 1-1-/55 144 /98 Risk Category: II Snow Duration: NA HORZ(LL): 0.001 E B* 144 BCDL: 10.00 88 1-1-EXP: C Kzt: NA G 19 1-1-19 HORZ(TL): 0.001 E Des Ld: 40.00 Mean Height: 16.72 ft Wind reactions based on MWFRS Code / Misc Criteria Creep Factor: 2.0 NCBCLL: 10.00 TCDL: 5.0 psf Brg Width = 6.5

Bldg Code: FBC 2017 RES

TPI Std: 2014

Rep Fac: Yes

Plate Type(s):

WAVE

FT/RT:20(0)/10(0)

Lumber

Soffit:

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

2.00

Load Duration: 1.25

Spacing: 24.0 "

Plating Notes

All plates are 2X4 except as noted.

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

BCDL: 5.0 psf

C&C Dist a: 3.00 ft

MWFRS Parallel Dist: h to 2h

GCpi: 0.18 Wind Duration: 1.60

Loc. from endwall: not in 13.00 ft

Wind

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

Additional Notes

Refer to General Notes for additional information Refer to DWG PB160101014 for piggyback details. The overall height of this truss excluding overhang is 3-7-9



Max TC CSI: 0.135

Max BC CSI: 0.077

Max Web CSI: 0.040

VIEW Ver: 19.02.02B.0122.15

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Suite 305 Orlando FL, 32821

Min Reg = 1.5

Min Req = 1.5

Min Req =

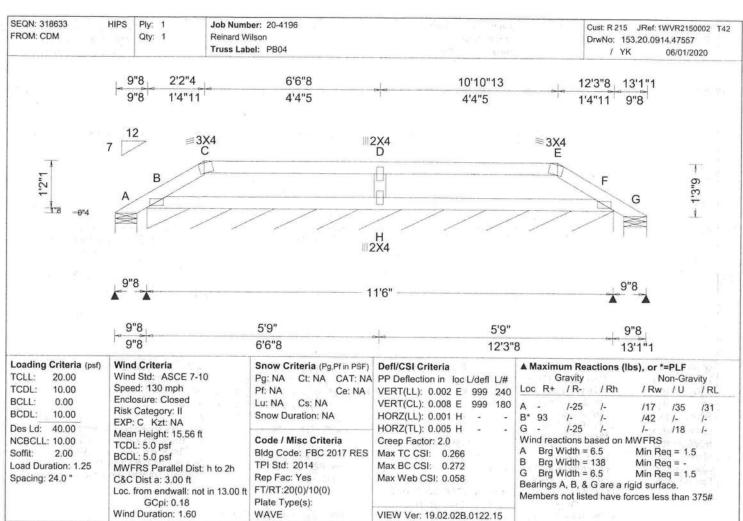
Brg Width = 138

Brg Width = 6.5

Bearings A, B, & G are a rigid surface

Members not listed have forces less than 375#

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



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.

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

Wind

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

Additional Notes

Refer to General Notes for additional information Refer to DWG PB160101014 for piggyback details. The overall height of this truss excluding overhang is



FL REG# 278, Yoonhwak Kim, FL PE #86367 06/01/2020

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or more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.co

Truss Label: PB06 06/01/2020 =2X4(A1)

Coading Criteria (psf)	Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.83 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.45 ft Loc. from endwall: not in 17.00 ft GCpi: 0.18	Snow Criteria (Pg.Pfin PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	VERT(LL): 0.025 H 999 240 VERT(CL): 0.080 H 999 180 HORZ(LL): 0.008 H HORZ(TL): 0.024 H Creep Factor: 2.0 Max TC CSI: 0.543 Max BC CSI: 0.474 Max Web CSI: 0.065
Lumber	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15

Job Number: 20-4196

Reinard Wilson

		Gravity		bs), or *= N	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	10	/ RL
1*	41	/-	1-	/19	1-	/3
F		/-111	1-	/2	/46	1-
Wir	id read	ctions ba	ased on	MWFRS		
1	Brg V	Vidth = 3	394	Min Re	q = -	
F	Brg V	Vidth = 6	5.5	Min Re	q = 1.	5
Bea	rings	1 & Fare	a rigid	surface.	12.74 C.175	
Mer	mbers	not liste	d have f	orces les	s than	375#

Cust: R 215 JRef: 1WVR2150002 T73

DrwNo: 153.20.0914.52403

SEQN: 318635

FROM: CDM

COMN Ply: 1

Qty: 1

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

Plating Notes

All plates are 2X4 except as noted.

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

Wind

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

Additional Notes

Refer to General Notes for additional information Refer to DWG PB160101014 for piggyback details. The overall height of this truss excluding overhang is



FL REG# 278, Yoonhwak Kim, FL PE #86367 06/01/2020

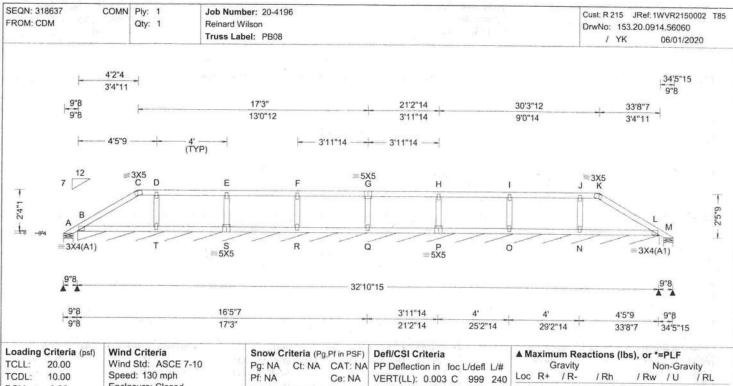
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg.Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (bs), or *=	PLF	
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	No	n-Gra	vity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.003 C 999 240	Loc R+ /R- /Rh	/ Rw	10	/RL
BCLL: 0.00 BCDL: 10.00	Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Lu: NA Cs: NA Snow Duration: NA	VERT(CL): 0.008 K 999 180 HORZ(LL): 0.002 C	A - /-55 /- B* 89 /- /-	/51 /39	/83 /-	/67 /-
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 16.14 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.45 ft Loc. from endwall: not in 17.00 ft GCpi: 0.18	Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.005 N	M - I-55 I- Wind reactions based on A Brg Width = 6.5 B Brg Width = 394 M Brg Width = 6.5 Bearings A, B, & M are a Members not listed have f	Min Red Min Red Min Red rigid surface	q = - q = 1.5 ce.	5
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15				

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

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.

Additional Notes

Refer to General Notes for additional information Refer to DWG PB160101014 for piggyback details. The overall height of this truss excluding overhang is 2-5-9



FL REG# 278, Yoonhwak Kim, FL PE #86367 06/01/2020

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6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 318639 VAL Ply: 1 Job Number: 20-4196 Cust: R 215 JRef: 1WVR2150002 T35 FROM: CDM Qty: 1 Reinard Wilson DrwNo: 153.20.0915.02420 Truss Label: V01 / YK 06/01/2020 4'10"1 7'10"1 12'8"2 4'10"1 3 4'10"1 (TYP) 2'4"1 112X4 ≅3X4 E ≅3X4 C 3X4(D1) =3X4(D1)H 2X4 112X4 112X4 12'8"2 12'8"2 12'8"2 Wind Criteria ▲ Maximum Reactions (lbs), or *=PLF Loading Criteria (psf) Snow Criteria (Pg.Pf in PSF) Defl/CSI Criteria Wind Std: ASCE 7-10 Gravity Non-Gravity TCLL: 20.00 Pg: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/# Speed: 130 mph Loc R+ /R /Rw /U /RL Pf: NA TCDL 10.00 Ce: NA VERT(LL): 0.004 E 999 240 Enclosure: Closed BCLL 0.00 Lu: NA Cs: NA VERT(CL): 0.007 C 999 180 G* 82 1-1-/41 /13 15 Risk Category: II HORZ(LL): -0.003 E BCDL: 10.00 Snow Duration: NA Wind reactions based on MWFRS EXP: C Kzt: NA HORZ(TL): 0.004 B G Brg Width = 152 Min Reg = -Des Ld: 40.00 Mean Height: 15.00 ft Code / Misc Criteria Bearing A is a rigid surface. Creep Factor: 2.0 NCBCLL: 10.00 TCDL: 5.0 psf Members not listed have forces less than 375# Bldg Code: FBC 2017 RES Max TC CSI: 0.091 Soffit: 2.00 BCDL: 5.0 psf

Lumber

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

Load Duration: 1.25

Spacing: 24.0 "

Purlins

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

MWFRS Parallel Dist: h/2 to h

Loc. from endwall: not in 4.50 ft

GCpi: 0.18

C&C Dist a: 3.00 ft

Wind Duration: 1.60

Wind

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

Additional Notes

Refer to General Notes for additional information See DWG VAL160101014 for valley details.

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

PROMINETO ... PROMINETO

Max BC CSI: 0.125

Max Web CSI: 0.033

VIEW Ver: 19.02.02B.0122.15

FL REG# 278, Yoonhwak Kim, FL PE #86367 06/01/2020

TPI Std: 2014

Rep Fac: Yes

Plate Type(s):

WAVE

FT/RT:20(0)/10(0)

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

SEQN: 318641 FROM: CDM

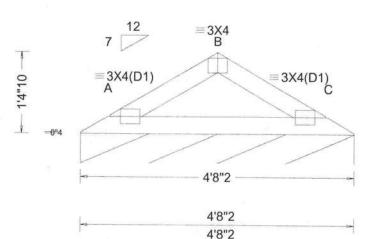
VAL

Ply: 1 Qty: 1

Job Number: 20-4196 Reinard Wilson Truss Label: V03

Cust: R 215 JRef: 1WVR2150002 T77 DrwNo: 153.20.0915.04917 / YK 06/01/2020





Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.005 999 240 VERT(CL): 0.010 999 180 HORZ(LL): -0.002 -	Loc C* Wi
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist; h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.004 Creep Factor: 2.0 Max TC CSI: 0.102 Max BC CSI: 0.133 Max Web CSI: 0.000	C Bei Me
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15	

A M		um Rea Gravity	ctions (I	bs), or *=	PLF on-Gra	wity
Loc		/R-	/Rh	/ Rw	/ U	/ RL
C.	79	1-	/-	/38	/9	/6
Win	d read	ctions b	ased on I	MWFRS	, .	
		Vidth =		Min Re	g = -	
			id surfac			
				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 member design.

Additional Notes

Refer to General Notes for additional information See DWG VAL160101014 for valley details. The overall height of this truss excluding overhang is 1-4-10.



FL REG# 278, Yoonhwak Kim, FL PE #86367 06/01/2020

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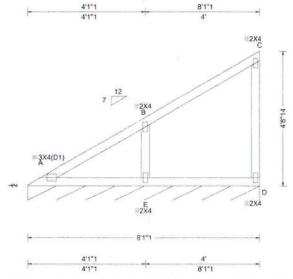


or more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindu

Orlando FL, 32821

 SEQN: 318643
 VAL
 Ply: 1
 Job Number: 20-4196
 Cust: R 215
 JRef: 1WVR2150002
 T79

 FROM: CDM
 Qty: 1
 Reinard Wilson
 DrwNo: 153.20.0915.07077
 / YK
 06/01/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Std: ASCE 7-10 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): 0.006 E 999 240 VERT(CL): 0.011 E 999 180 HORZ(LL): 0.002 E HORZ(TL): 0.003 E
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 15.24 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Creep Factor: 2.0 Max TC CSI: 0.280 Max BC CSI: 0.184 Max Web CSI: 0.058
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15
Lumber			

	Gravity		No	on-Gra	vity
Loc R	+ /R-	/Rh	/ Rw	/ U	/RL
D* 82	/-	/-	/55	/4	/10
Wind r	eactions l	pased on I	WFRS		
D Br	g Width =	97.1	Min Re	q = -	

Lumber

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

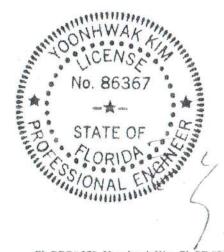
Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information See DWG VAL160101014 for valley details. The overall height of this truss excluding overhang is 4-8-14.



FL REG# 278, Yoonhwak Kim, FL PE #86367 06/01/2020

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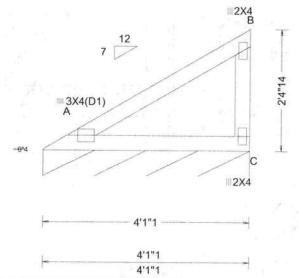
6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 318645 FROM: CDM

VAL

Ply: Qty: Job Number: 20-4196 Reinard Wilson Truss Label: V07

Cust: R 215 JRef: 1WVR2150002 T81 DrwNo: 153.20.0915.09417

06/01/2020



Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00	Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Snow Criteria (Pg.Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.003 C HORZ(TL): 0.007 C
NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 16.40 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Creep Factor: 2.0 Max TC CSI: 0.194 Max BC CSI: 0.191 Max Web CSI: 0.046 VIEW Ver: 19.02.028.0122.15

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R-/Rw 10 /RL C* 81 1-1-/53 /10 Wind reactions based on MWFRS Brg Width = 49.1 Min Reg = 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;

2-4-14

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

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information See DWG VAL160101014 for valley details. The overall height of this truss excluding overhang is



FL REG# 278, Yoonhwak Kim, FL PE #86367 06/01/2020

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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.

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

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 Reinforecement	Scab Reinf.
Size	Restraint	T- or L- Reinf. Scab Reinf.	
2x3 or 2x4	1 row	2x4	1-2×4
2x3 or 2x4	2 rows	2x6	2-2×4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x40#0
2x8	1 row	2×6	1-2×8
2x8	2 rows	2×6	2-2×6(#)

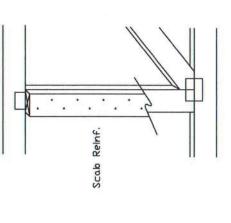
T-reinforcement, L-reinforcement, or scab reinforcement to be same species and grade or better than web member unless specified otherwise on Engineer's sealed design.

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

L-Reinf. I-Reinf. CLR Reinforcing Member Substitution L-Reinf. Apply to either side of web narrow face. Attach with 10d (0.128"x3.0", min) nalls at 6' o.c. Reinforcing member is a minimum 80% of web member length. L-Reinforcement T-Reinforcement

Scab Reinforcement

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



TOT. LD. Trusses require extreme classics in the continue or into applying the DSTALLER.

Trusses require extreme to the factoring broading skipping, installing and broading Refer to once the factoring broading skipping, installing and broading skipping, installing the state of SESS of No. 86367 STATE OF P

BRCL BSUB0119

DRWG DATE REF

> PSF PSF PSF

CLR Subst. 01/02/19

DIJR. FAC.

SPACING

13723 Riverport Drive Suite 200 Maryland Heights, MO 63043

C, Kzt=1,00 Exp. Enclosed, Mean Height, 30, 7-10: 160 mph, ASCE Ī Valley Detail

SPF #1/#2, DF-L #2 or better. 2×4 SP #2N, SPF #1/#2, DF-L #2 or better 2×4 SP #2N or SPF #1/#2 or better, 2×4 SP #3, SPF #1/#2, DF-L #2 or better. Top Chord Bot Chord Webs

** Attach each valley to every supporting truss with: (2) 16d box (0.135" x 3.5") nails toe-nailed for 30' Mean Height, Enclosed Bullding, Exp. C, Wind TC DL=5 psf, Kzt = 1.00 ASCE 7-10 160 mph.

ASCE 7-10 140 mph. 30' Mean Height, Enclosed 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.

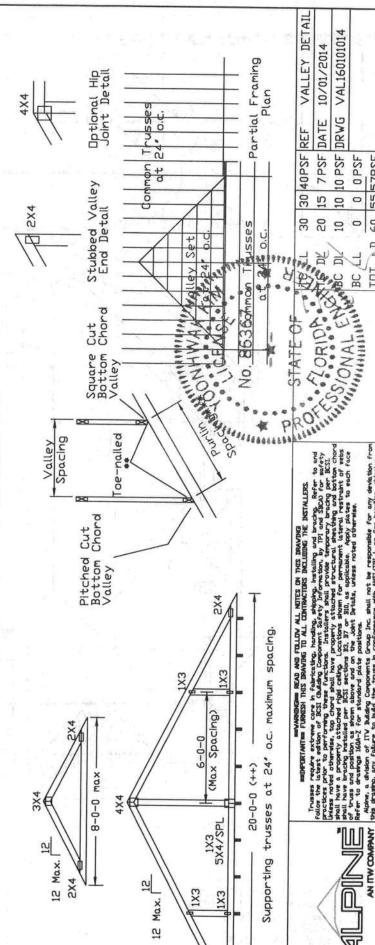
All plates shown are ITW BCG Wave Plates.

(0.128' x 3.0') nalls at 6' o.c. In lieu of 'T' reinforcement, 2x4 Continuous Lateral Restraint applied at mid-length of web is permitted with diagonal 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 bracing as shown in DRWG BRCLBANC1014.

Top chord of truss beneath valley set must be braced with properly attached, rated sheathing applied prior to valley truss installation. or as otherwise specified on engineer's sealed design By valley trusses used in lieu of purlin spacing as specified on Engineer's sealed design. Purlins at 24" o.c.

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" ++



PP RES9278, Yoonhwak Kim, FL PE #86367

general notes page and these web sites 31 SBCA: www.sbcindustry.org; ICD: www.lccsafe.org

for any stru

13723 Riverport Drive Suite 200 Maryland Heights, MO 63043

AN ITW COMPANY

DUR.F AC. 1.25/1.33 1.15 1.15

TOT, &D.

24.0"

SPACING

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DRWG DATE

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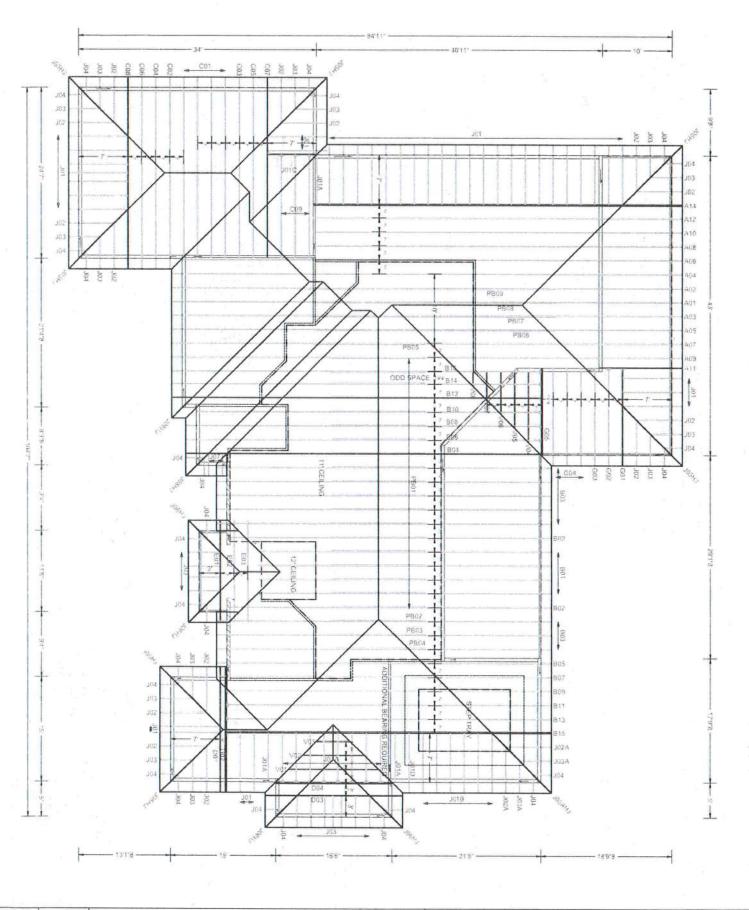
reme care in fabrication, braidly, shipping brasuling and bracing. Refer to and not BESSI (Mading Component Safety) information, by 171 and SBCA) for safety, from the frees functions. Installers shall provide transcrupt more accepting per BESSI. For chorder finds shall have properly extended structural shearbing and botton channels and find and performance shown for permanent instruct restructs of which alled per BESSI sections 35, 37 or 3810, as applicable. Apply plates to each face as shown above and on the John Betals, unless noted otherwise, to each face it for sections and on the John Betals, unless noted otherwise.

 Building Corporents Group Inc. shall not be responsible for any deviation fro to build the truss in conformance with ANSI/TPI I, or for handling, shipping, or cover page latting this dreating, indicates acceptance of professional salety for the design storm. The subskilly and use of this dreating a responsibility of the Building beingwer per MSI/TPI I Sec2.

10/01/2014

15 7 PSF 10 PSF 0 OPSF 55 57PSF

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JOB NO: 20-4196 PAGE NO: 1 OF 1 Job Name: Reinard Wilson Customer: OWNER BUILDER Designer: Bill Ecklund ADDRESS: SALESMAN: HOUSE

: <Not Found>

JOB #: 20-4196