



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

Site Information:

Customer: W. B. Howland Company, Inc.

Job Number: 21-5856

Job Description: Shelley

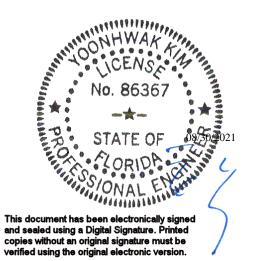
Address:

Job Engineering Criteria:			
Design Code: FBC 7th Ed. 2020 Res. HVHZ	IntelliVIEW Version: 21.01.01A		
	JRef #: 1X8e2150003		
Wind Standard: ASCE 7-16 Wind Speed (mph): 120	Design Loading (psf): 40.00		
Building Type: Closed			

This package contains general notes pages, 133 truss drawing(s) and 7 detail(s).

Item	Drawing Number	Truss
1	242.21.1212.12451	A01
3	242.21.1212.08218	A03
5	242.21.1212.12748	A05
7	242.21.1212.09873	A07
9	242.21.1212.06295	A09
11	242.21.1212.12623	A11
13	242.21.1212.06420	B01
15	242.21.1212.11357	C01
17	242.21.1212.12966	C03
19	242.21.1212.06889	C05
21	242.21.1212.06920	C07
23	242.21.1212.09373	C09
25	242.21.1212.11857	C11
27	242.21.1212.07420	C13
29	242.21.1212.12624	CPC02
31	242.21.1212.11388	CPC04
33	242.21.1212.09060	CPD01
35	242.21.1212.07826	CPD03
37	242.21.1212.05857	CPD05
39	242.21.1212.07326	CPD07
41	242.21.1212.10763	D02
43	242.21.1212.11935	D04
45	242.21.1212.10951	D06
47	242.21.1212.08435	D08
49	242.21.1212.11029	D10
51	242.21.1212.11748	D12

Item	Drawing Number	Truss
2	242.21.1212.12655	A02
4	242.21.1212.12138	A04
6	242.21.1212.04111	A06
8	242.21.1212.02451	A08
10	242.21.1212.05749	A10
12	242.21.1212.06092	A12
14	242.21.1212.05264	B02
16	242.21.1212.08076	C02
18	242.21.1212.06155	C04
20	242.21.1212.12013	C06
22	242.21.1212.10796	C08
24	242.21.1212.11716	C10
26	242.21.1212.08702	C12
28	242.21.1212.06592	CPC01
30	242.21.1212.08889	CPC03
32	242.21.1212.02390	CPC05
34	242.21.1212.08717	CPD02
36	242.21.1212.07764	CPD04
38	242.21.1212.11529	CPD06
40	242.21.1212.07014	D01
42	242.21.1212.07435	D03
44	242.21.1212.09326	D05
46	242.21.1212.09592	D07
48	242.21.1212.06810	D09
50	242.21.1212.09623	D11
52	242.21.1212.07951	D13





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Site Information:

Customer: W. B. Howland Company, Inc.

Job Number: 21-5856

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Address:

Item	Drawing Number	Truss
53	242.21.1212.10545	E01
55	242.21.1212.06639	F01
57	242.21.1212.09482	F03
59	242.21.1212.05686	FG01
61	242.21.1212.04092	G02
63	242.21.1338.52297	G04
65	242.21.1339.34623	G06
67	242.21.1212.07482	G08
69	242.21.1212.12499	J01
71	242.21.1212.09999	J02HJ
73	242.21.1212.09795	J03HJ
75	242.21.1212.10029	J04HJ
77	242.21.1339.44500	J06
79	242.21.1212.07219	J07
81	242.21.1212.04873	J08HJ
83	242.21.1212.04113	J10
85	242.21.1212.12341	J11
87	242.21.1212.11841	J12
89	242.21.1212.04982	J13
91	242.21.1212.05671	J14
93	242.21.1212.06373	J15
95	242.21.1212.04811	J16HJ
97	242.21.1212.12076	J20
99	242.21.1212.10248	J25
101	242.21.1212.11530	J27
103	242.21.1212.04110	J29
105	242.21.1212.11232	J31
107	242.21.1212.08060	J33
109	242.21.1212.10404	J35
111	242.21.1212.05092	J39
113	242.21.1212.12951	JG02
115	242.21.1212.07045	SP01
117	242.21.1212.08326	SP03
119	242.21.1212.10138	SP05

Item	Drawing Number	Truss
54	242.21.1212.11091	E02
56	242.21.1212.04112	F02
58	242.21.1212.09654	F04
60	242.21.1212.09185	G01
62	242.21.1338.48280	G03
64	242.21.1339.30173	G05
66	242.21.1339.42347	G07
68	242.21.1212.05218	G09
70	242.21.1212.10764	J02
72	242.21.1212.05982	J03
74	242.21.1212.12326	J04
76	242.21.1212.05404	J05
78	242.21.1339.46847	J06HJ
80	242.21.1212.09310	J08
82	242.21.1212.07796	J09
84	242.21.1212.05998	J10HJ
86	242.21.1212.11591	J11HJ
88	242.21.1212.06529	J12HJ
90	242.21.1212.06217	J13HJ
92	242.21.1212.12529	J14HJ
94	242.21.1212.04436	J15HJ
96	242.21.1212.05014	J19
98	242.21.1212.10716	J21
100	242.21.1339.49473	J26
102	242.21.1212.05436	J28
104	242.21.1212.12810	J30
106	242.21.1212.09123	J32
108	242.21.1212.10576	J34
110	242.21.1212.09529	J36
112	242.21.1212.11138	JG01
114	242.21.1340.00010	JG03
116	242.21.1212.05545	SP02
118	242.21.1212.08890	SP04
120	242.21.1212.07218	SP06





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and sealed using a Digital Signature. Printed copies without an original signature must be verified using the original electronic version.

Site Information:	Page 3:	
Customer: W. B. Howland Company, Inc.	Job Number: 21-5856	
Job Description: Shelley		
Address:		

Item	Drawing Number	Truss
121	242.21.1212.08967	SP07
123	242.21.1212.08763	SP10
125	242.21.1212.12841	SP12
127	242.21.1212.08061	V01
129	242.21.1212.10076	V03
131	242.21.1212.07108	V05
133	242.21.1340.16760	VG01
135	A12030ENC160118	
137	GABRST160118	
139	PB160160118	

Item	Drawing Number	Truss
122	242.21.1212.08545	SP08
124	242.21.1212.08467	SP11
126	242.21.1212.08029	SP13
128	242.21.1212.05326	V02
130	242.21.1212.09858	V04
132	242.21.1340.03957	V07
134	A12015ENC160118	
136	BRCLBSUB0119	
138	GBLLETIN0118	
140	VALTN160118	

General Notes

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

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

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

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

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

Temporary Lateral Restraint and Bracing:

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

Permanent Lateral Restraint and Bracing:

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

Connector Plate Information:

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

Fire Retardant Treated Lumber:

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

General Notes (continued)

Key to Terms:

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

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

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

CL = Certified lumber.

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

FRT = Fire Retardant Treated lumber.

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

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

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

g = green lumber.

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

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

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

Ic = Incised lumber.

FJ = Finger Jointed lumber.

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

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

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

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

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

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

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

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

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

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

PP = Panel Point.

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

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

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

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

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

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

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

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

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

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

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

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

Refer to ASCE-7 for Wind and Seismic abbreviations.

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

References:

- 1. AWC: American Wood Council; 222 Catoctin Circle SE, Suite 201; Leesburg, VA 20175; www.awc.org.
- 2. ICC: International Code Council; www.iccsafe.org.
- 3. Alpine, a division of ITW Building Components Group Inc.: 514 Earth City Expressway, Suite 242, Earth City, MO 63045; www.alpineitw.com.
- 4. TPI: Truss Plate Institute, 2670 Crain Highway, Suite 203, Waldorf, MD 20601; www.tpinst.org.
- 5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www.sbcindustry.com.

SEQN: 17229 / SPEC Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T97 / FROM: Qty: 1 DrwNo: 242.21.1212.12451 Shellev Truss Label: A01 / YK 08/30/2021 11'1" 17'6" 21'7" 25'3" 6'1" 1'2" 5'3" 4'1" 3'8" #8X8 ≋8X10(SRS) D ≡6X8 C T2 **|||2X4** ≅8X14 G F T4 3'3"9 5"12 4"9 L K ∥2X4(**) ⊧H0510 N ⊪3X4 I ∥2X4 =6X12 ≡4X8(B3) =3X10(B3) 25'3" 1'6"8 5'1"12 5'9"8 4'11"12 3'11"4 3'9"12 10'11"4 5'1"12 12 17'6' 21'5"4 25'3' 6"4 12'6"4

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 2251 /-/337 2126 /-/-/-/287 Wind reactions based on MWFRS Brg Width = 5.5Min Reg = 1.9Brg Width = 3.5 Min Req = 1.8 Bearings B & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 566 - 3832 702 - 5374 C-D 700 - 4986 F-G 702 - 5374 D-E 770 - 5551 G-H 503 - 3624

Top chord: 2x4 SP #2; T2,T4 2x4 SP M-31; Bot chord: 2x6 SP 2400f-2.0E;

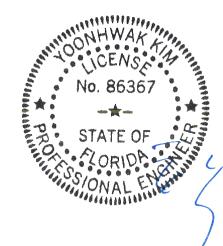
Webs: 2x4 SP #3; **Special Loads**

---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 63 plf at 5 plf at 20 plf at 63 plf at 5 plf at TC: From -1.54 to -1.54 to 25.25 BC: From 0.00 0.00 to 20 plf at BC: From 25.25 129 lb Conc. Load at 5.06, 7.06, 9.02,11.02 91 lb Conc. Load at 17.52,19.52,21.52 296 lb Conc. Load at 5.03,11.05 90 lb Conc. Load at 7.06, 9.02 BC: BC: 221 lb Conc. Load at 16.15 BC: 67 lb Conc. Load at 17.52,19.52 255 lb Conc. Load at 21.55

Plating Notes

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

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



Cilolus	16113.0	onip.	Ciloius	i ciio. V	Jonep.	
B - N		- 477	K - J	6318		
N - M	3283	- 474	J - I	3087	- 420	
M - L	6315	- 867	I - H	3073	- 420	
L-K	6315	- 867				

Maximum Bot Chord Forces Per Ply (lbs)

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp	. Webs	Tens.	Comp.
C-N	464	0 E-J	178	- 1026
C - M	1897 - 25	1 F-J	139	- 458
M - D	2120 - 14	5 J-G	2606	- 322
M - E	344 - 283	1		

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

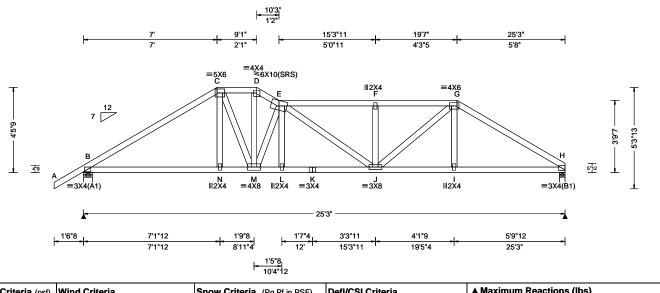
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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



SEQN: 17234 / SPEC Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T113 FROM: Qty: 1 DrwNo: 242.21.1212.12655 Shelley Truss Label: A02 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	Ī
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 120 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: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. HVHZ	Defi/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.080 F 999 240 VERT(CL): 0.165 F 999 180 HORZ(LL): 0.028 H - - HORZ(TL): 0.058 H - - Creep Factor: 2.0 - - Max TC CSI: 0.493 - - Max BC CSI: 0.508 - - Max Web CSI: 0.352 - -	
Lumbar	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

▲ Maximum Reactions (IDS)								
	Gravity				Non-Gravity			
	Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL	
	В 1	159	/-	/-	/661	/134	/111	
	H 1	045	/-	/-	/574	/114	/-	
	Wind	l reac	tions ba	sed on	MWFRS			
	B Brg Width = 5.5				Min Reg = 1.5			
	H Brg Width = 3.5			.5	Min Req = 1.5			
	Beari	ings E	3 & Har	e a rigi	d surface.	•		
	Mem	bers	not listed	d have	forces less	s than 3	375#	
	Maxi	mum	Top Ch	ord F	orces Per	Ply (lb:	s)	
	Chor	ds T	ens.Cor	np.	Chords	Tens.	Ćomp.	
_	B-C	:	530 - 1	586	F-F	770	- 1805	
	J C - D				F-G	770	- 1805	
	D-E		669 - 10		G-H	579	- 1611	

Maximum Bot Chord Forces Per Ply (lbs)

Onlords	rens.comp.		Onlords	rens. comp.	
B - N	1275	- 391	K-J	1799	- 634
N - M	1279	- 388	J - I	1310	- 429
M - L	1796	- 636	I - H	1306	- 431
L-K	1799	- 634			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
M - D	807 -331 511 1180	J - G	638 - 329



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SEQN: 17240 / HIPS Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T91 / FROM: Qty: 1 DrwNo: 242.21.1212.08218 Shellev Truss Label: A03 / YK 08/30/2021 7'10" 12'4"9 17'7' 25'3' 7'10' 4'6"9 5'2"7 7'8' =4X10 C ∥2X4 D 5"12 4"9 G ∥2X4 J ∥2X4 =3X8 =3X4(A1) =3X4(B1) _ 3X4 25'3" 7'11"12 4'4"13 10"7 4'2"4 7'9"12 13'3 7'11"12 12'4"9 17'5"4 25'3' Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) Gravity Non-Gravity 20.00 Wind Std: ASCE 7-16 Ct: NA CAT: NA TCLL: Pg: NA PP Deflection in loc L/defl L/# Loc R+ /R /Rh /Rw /U /RL Speed: 120 mph TCDL: 10.00 Pf: NA VERT(LL): 0.051 D 999 240 Ce: NA Enclosure: Closed VERT(CL): 0.105 D 999 180 BCI I · 0.00 Lu: NA Cs: NA В 1159 /-/668 /135 /122 Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.023 F 1045 /-/-/584 /113 EXP: C Kzt: NA Wind reactions based on MWFRS HORZ(TL): 0.047 F Des Ld: 40.00 Mean Height: 15.00 ft Brg Width = 5.5В Min Rea = 1.5**Building Code:** NCBCLL: 10.00 TCDL: 5.0 psf Brg Width = 3.5 Min Req = 1.5

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 "

Wind

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

BCDL: 5.0 psf

C&C Dist a: 3.00 ft

Wind Duration: 1.60

MWFRS Parallel Dist: h/2 to h

Loc. from endwall: not in 9.00 ft

GCpi: 0.18

Wind loading based on both gable and hip roof types.

Creep Factor: 2.0 Max TC CSI: 0.775 Max BC CSI: 0.609 Max Web CSI: 0.157

VIEW Ver: 21.01.01A.0521.20

Maximum Bot Chord Forces Per Ply (lbs)

Members not listed have forces less than 375#

Chords

Tens. Comp.

507 - 1550

Maximum Top Chord Forces Per Ply (lbs)

Bearings B & F are a rigid surface.

505 - 1556

594 - 1397

Chords Tens.Comp.

Chords	Tens.Comp.		Chords	Tens. Comp.	
B-J	1240	- 350	H-G	1240	- 347
J - I	1245	- 348	G-F	1235	- 350
I - H	1240	- 347			



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FBC 7th Ed. 2020 Res. HVHZ

TPI Std: 2014

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

Rep Fac: Yes

Plate Type(s):

<u>WA</u>VE



SEQN: 17243 / HIPS Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T57 / FROM: Qty: 1 DrwNo: 242.21.1212.12138 Shelley Truss Label: A04 / YK 08/30/2021 4'5"1 9'10" 15'7' 20'11"15 25'3' 4'5"1 5'4"15 5'9" 5'4"15 4'3"1 =5X6 D ≅4<u>X</u>5 5"12 4"9 ≡3X5(B1) H ≡3X8 ≡3X4 ≡3X4 =2.5X6(A1) 25'3" 9'10" 2'2" 3'5"4 9'9"12 9'10" 12' 15'5"4 25'3' ▲ Maximum Reactions (lbs)

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Max
TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	Wind Std: ASCE 7-16 Speed: 120 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: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.054 J 999 240 VERT(CL): 0.111 J 999 180 HORZ(LL): 0.028 G HORZ(TL): 0.057 G Creep Factor: 2.0 Max TC CSI: 0.322 Max BC CSI: 0.783 Max Web CSI: 0.229	B 11 G 10 Wind r B Br G Br Bearin Membr Maxim Chords
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	B-C C-D
Lumber				D-E

Gravity				Non-Gravity			
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL	
В	1159	/-	/-	/675	/132	/148	
G	1045	/-	/-	/591	/110	/-	
Win	d read	tions ba	sed on	MWFRS			
В	B Brg Width = 5.5			Min Req = 1.5			
G	G Brg Width = 3.5			Min Req = 1.5			
Bea	rings I	B & G ar	e a rigi	d surface.			
Mer	nbers	not listed	d have	forces les	s than 3	375#	
Maximum Top Chord Forces Per Ply (lbs)							
Cho	rds T	ens.Cor	np.	Chords	Tens.	Ćomp.	
В-	С	421 - 1	648	E-F	386	- 1338	
c-	-	387 - 1		F-G	423	- 1634	

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

Wind

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

Wind loading based on both gable and hip roof types.

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

375 - 1091

B - J	1369	- 307	I - H	1091	- 202
J - I	1091	- 202	H-G	1353	- 310



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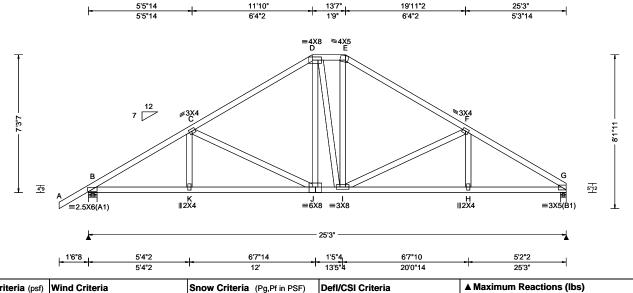
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SEQN: 17246 / HIPS Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T94 / FROM: Qty: 1 DrwNo: 242.21.1212.12748 Shellev Truss Label: A05 / YK 08/30/2021



Loading Criteria (psf) Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Max
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf BCDL: 5.0 psf WFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. HVHZ 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): 0.058 J 999 240 VERT(CL): 0.120 J 999 180 HORZ(LL): 0.031 G HORZ(TL): 0.064 G Creep Factor: 2.0 Max TC CSI: 0.470 Max BC CSI: 0.545 Max Web CSI: 0.496 VIEW Ver: 21.01.01A.0521.20	Loc F B 11 G 10 Wind I B Bi G Bi Bearin Memb Maxim Chord: B - C C - D

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Loc R+ 1159 /-1045 Wind reactions based on MWFRS В Bearings B & G are a rigid surface. Members not listed have forces less than 375#

Maximum Bot Chord Forces Per Ply (lbs)

Maximum Top Chord Forces Per Ply (lbs)

/Rh

/-

Gravity

/-

Brg Width = 5.5

Brg Width = 3.5

Chords Tens.Comp.

D-E

261 - 1675

265 - 1202

269 - 950

/R

Chords	Tens.Comp.		Chords	Tens. Comp.		
B - K	1378	- 168	I - H	1360	- 173	
K-J	1376	- 170	H-G	1362	- 171	
J - I	947	- 58				

Non-Gravity

/107 /-

/RL

/129 /174

Tens. Comp.

264 - 1197

263 - 1658

/Rw /U

Min Req = 1.5

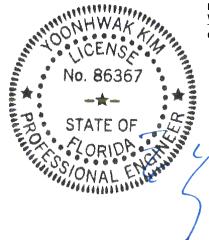
Min Req = 1.5

/677

/593

Chords

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. C-J 1 - F 125 - 481 129 - 464



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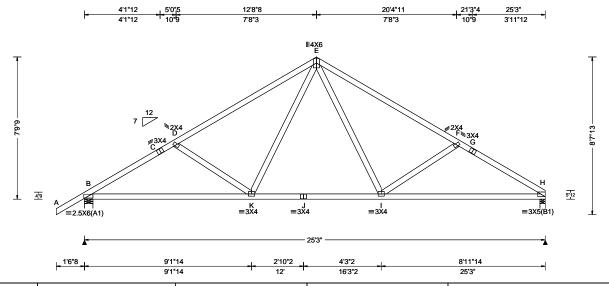
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SEQN: 17254 / SPEC Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T86 / FROM: Qty: 2 DrwNo: 242.21.1212.04111 Shelley Truss Label: A06 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	Wind Std: ASCE 7-16 Speed: 120 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: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. HVHZ 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): 0.070 I 999 240 VERT(CL): 0.136 I 999 180 HORZ(LL): 0.035 H HORZ(TL): 0.068 H Creep Factor: 2.0 Max TC CSI: 0.685 Max BC CSI: 0.714 Max Web CSI: 0.199 VIEW Ver: 21.01.01A.0521.20
Lumbor			

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 loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

riteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions	(lbs)
Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
Ce: NA	VERT(LL): 0.070 I 999 240	Loc R+ /R- /Rh	/Rw /U /RL
Cs: NA	VERT(CL): 0.136 I 999 180	B 1225 /- /-	/677 /- /185
uration: NA	HORZ(LL): 0.035 H	H 1112 /- /-	/593 /- /-
	HORZ(TL): 0.068 H	Wind reactions based on	MWFRS
Code:	Creep Factor: 2.0	B Brg Width = 5.5	Min Req = 1.5
Ed. 2020 Res. HVHZ	Max TC CSI: 0.685	H Brg Width = 3.5	Min Req = 1.5
2014	Max BC CSI: 0.714	Bearings B & H are a rigi	d surface.
: Yes	Max Web CSI: 0.199	Members not listed have	forces less than 375#
	Wax vveb eei. 0.133	Maximum Top Chord Fo	orces Per Ply (lbs)
0(0)/10(0)		Chords Tens.Comp.	Chords Tens. Comp.
pe(s):	VIEW Ver: 21.01.01A.0521.20	B - C 245 - 1801 C - D 250 - 1680	E - F 222 - 1492 F - G 253 - 1668
		C - D 250 - 1680	F-G 253 -166

Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.C	Comp.	Chords	Tens.	Comp.		
B - K	1499	- 162	J - I	987	-9		
K - J	987	-9	I - H	1484	- 167		

G - H

248 - 1789

221 - 1501

Maximum web Forces Per Ply (lbs)							
Webs	Tens.C	omp.	Webs	Tens. C	omp.		
K-E	489	- 20	E-I	473	- 23		



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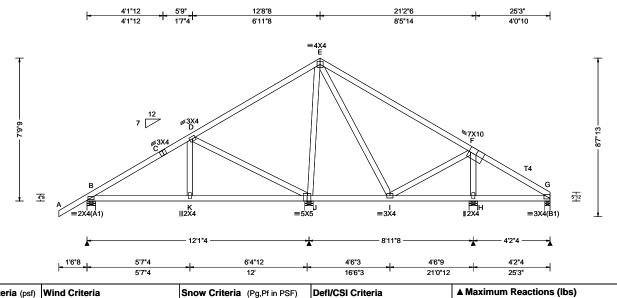
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SEQN: 17259 / SPEC Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T89 / FROM: DrwNo: 242.21.1212.09873 Qty: 1 Shellev Truss Label: A07 / YK 08/30/2021



Loading Criteria (psf) Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	4
TCLL: 20.00 Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA P	P Deflection in loc L/defl L/#	١.
TCDL: 10.00 Speed: 120 mph	Pf: NA Ce: NA V	/ERT(LL): 0.010 K 999 240	1
BCLL: 0.00 Enclosure: Closed	Lu: NA Cs: NA V	/ERT(CL): 0.019 K 999 180	П
BCDL: 10.00 Risk Category: II	Snow Duration: NA	IORZ(LL): 0.004 G	١,
Des Ld: 40.00 EXP: C Kzt: NA	H	IORZ(TL): 0.008 G	
NCBCLL: 10.00 Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code: C	Creep Factor: 2.0	1
Soffit: 2.00 BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ N	Max TC CSI: 0.950	T.
Load Duration: 1.25 MWFRS Parallel Dist: h to	2h TPI Std: 2014 M	Max BC CSI: 0.313	1
Spacing: 24.0 " C&C Dist a: 3.00 ft		Max Web CSI: 0.640	П
Loc. from endwall: not in 9	.00 ft FT/RT:20(0)/10(0)		П
GCpi: 0.18	Plate Type(s):		4
Wind Duration: 1.60	WAVE V	/IEW Ver: 21.01.01A.0521.20	1

Lumber

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

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

Wind

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

Wind loading based on both gable and hip roof types.

Pf in PSF)	DefI/CSI Criteria	▲ N	laxim
CAT: NA	PP Deflection in loc L/defl L/#		C
Ce: NA	VERT(LL): 0.010 K 999 240	Loc	: R+
	VERT(CL): 0.019 K 999 180	В	535
	HORZ(LL): 0.004 G	J	989
	HORZ(TL): 0.008 G	Н	673
	Creep Factor: 2.0	G	155
Res. HVHZ	Max TC CSI: 0.950	Wir	nd rea
	Max BC CSI: 0.313	В	Brg \
	Max Web CSI: 0.640	J	Brg \
	Max Web CSI: 0.640	Н	Brg \
		G	Brg \
		Bea	arings
	VIEW Ver: 21.01.01A.0521.20	Mei	mhers

535 /317 /185 989 /-/622 /-/418 673 /58 /-/-85 /42 /-155 Vind reactions based on MWFRS Brg Width = 5.5 Min Req = 1.5 Brg Width = 5.5 Min Req = 1.5 Brg Width = 5.5 Min Req = 1.5Brg Width = 3.5Min Req = 1.5Bearings B, J, H, & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

/Rh

Non-Gravity

/RL

/Rw / U

Gravity

B - C 65 - 509 C-D 73 - 389

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - K 384 382 - 75 K - .I

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

Tens. Comp. D-J F-H 166 - 598 182 - 582 J-E 88 - 592



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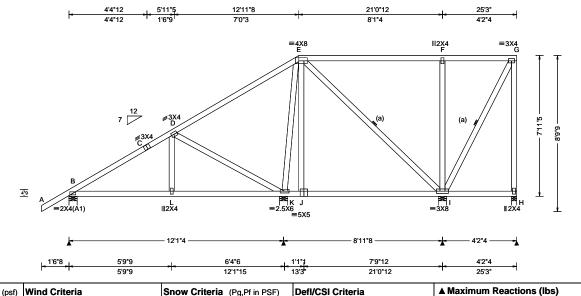
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SEQN: 17264 / HIPM Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T93 / FROM: Qty: 1 DrwNo: 242.21.1212.02451 Shellev Truss Label: A08 / YK 08/30/2021



Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	4
Vind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
	Pf: NA Ce: NA	VERT(LL): 0.010 L 999 240	L
	Lu: NA Cs: NA	VERT(CL): 0.019 L 999 180	lε
	Snow Duration: NA	HORZ(LL): 0.004 K	k
		HORZ(TL): 0.008 K	1
	Building Code:	Creep Factor: 2.0	H
·	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.895	٧
•	TPI Std: 2014	Max BC CSI: 0.418	E
	Rep Fac: Yes	Max Web CSI: 0.632	ľ
	FT/RT:20(0)/10(0)		۱'n
	Plate Type(s):		Ė
Vind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	N
^ S = V F 8 V S -	/ind Std: ASCE 7-16 peed: 120 mph nclosure: Closed isk Category: II XP: C Kzt: NA lean Height: 15.00 ft CDL: 5.0 psf CDL: 5.0 psf IWFRS Parallel Dist: h/2 to h &C Dist a: 3.00 ft oc. from endwall: not in 9.00 ft GCpi: 0.18	Vind Std: ASCE 7-16 peed: 120 mph nclosure: Closed isk Category: Il XP: C Kzt: NA lean Height: 15.00 ft CDL: 5.0 psf CDL: 5.0 psf WFRS Parallel Dist: h/2 to h &C Dist a: 3.00 ft oc. from endwall: not in 9.00 ft GCpi: 0.18 Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Snow Duration: NA Snow Duration: NA Snow Duration: NA The Market Struck FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Pg: NA

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on

Wind

Wind loads based on MWFRS with additional C&C

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Gravity Loc R+ / R-

	U 11.1	/ 13	7 1311	/ 1244	, 0	/ ILL
В	559	/-	/-	/348	/8	/249
K	926	/-	/-	/590	/134	/-
1	772	/-	/-	/373	/119	/-
Н	42	/-98	/-	/7	/26	/-
Wind reactions based on MWFRS						
В	Brg Width = 5.5			Min Re	q = 1.5	;
K	Brg \	Nidth =	5.5	Min Re	q = 1.5	;
1	Brg \	Nidth =	5.5	Min Re	q = 1.5	;
Н	Brg \	Nidth =	3.5	Min Re	q = 1.5	;
Be	arings	B, K, I,	& H are a	rigid sur	face.	
Me	mhers	not list	ed have fo	orces les	s than 3	375#

/Rh

Non-Gravity / RI

/Rw /U

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

B - C 0 0 - 542 C-D - 414

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chords Tens. Comp. B-L 410 - 151 407 - 153 L-K

Maximum Web Forces Per Ply (lbs)

Webs	rens.comp.	webs	rens. Comp.		
D-K	168 - 598	F-I	433 - 526		
K-F	164 - 560				



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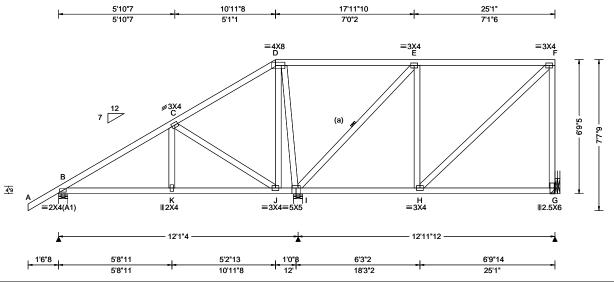
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SEQN: 17267 / HIPM Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T63 / FROM: Qty: 1 DrwNo: 242.21.1212.06295 Shellev Truss Label: A09 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
1.0220.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.008 K 999 240
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.018 K 999 180
10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.003 C
Dec 1 d: 40 00	EXP: C Kzt: NA		HORZ(TL): 0.007 C
NODOLL, 40 00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
0.46.4	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.980
	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.461
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.540
-	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

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

Bearing at location x=24'10" uses the following support conditions: 24'10"
Bearing G (24'10", 10') LUS26
Supporting Member: (2)2x6 SP 2400f-2.0E

(4) 0.148"x3" nails into supporting

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

Wind

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

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

▲ Maximum Reactions (lbs)

	A Maximum Reactions (ibs)							
	Gravity				No	on-Grav	/ity	
,	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
)	В	530	/-	/-	/332	/15	/214	
	1	1250	/-	/-	/713	/180	/-	
	G	466	/-	/-	/222	/66	/-	
	Wi	nd read	tions b	ased on I	MWFRS			
	В	Brg V	Vidth =	5.5	Min Re	q = 1.5	i	
	1	Brg V	Vidth =	5.5	Min Re	q = 1.5	i	
	G	Brg V	Vidth =	-	Min Re	q = -		
	Bearings B & I are a rigid surface.							
	Members not listed have forces less than 375#							
	Ma	ximum	Top C	hord Fo	rces Per	Ply (lb:	s)	
	Ch	ords T	ens.Co	mp.			-	

B - C 0 - 470

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp	. Webs	Tens.	Tens. Comp.		
C - J	131 - 49	4 I-E		- 668		
D - I	252 - 65	6 F-G		- 411		



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org 6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 9604 / HIPM Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T120 FROM: Qty: 1 DrwNo: 242.21.1212.05749 Shellev Truss Label: A10 / YK 08/30/2021 4'8"12 8'11"8 12'3" 18'7"7 25'1" 4'8"12 4'2"12 3'3"8 6'4"7 6'5"9 =5<u>¥</u>5 =4X6 =3X4 =3X4 G ⁸2X4 C 57"5 6,2,9 4"9 K ≡3X4 H ⊪2.5X6 =3X8 =2X4(Å1) 12'1"4 12'11"12 1'6"8 8'11"8 3'0"8 6'7"7 6'5"9 8'11"8 12 18'7"7 25'1

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.012 F 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.025 F 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.004 B
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.012 B
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.554
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.577
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.392
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
Lumber		Wind	

Lumber

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

Hangers / Ties

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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=24'10" uses the following support conditions: 24'10" Bearing H (24'10", 10') LUS26

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

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

Wind

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

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

▲ Maximum Reactions (lbs)

	= maximum reactions (ibs)						
	Gravity			Non-Gravity			
	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
	В	545	/-	/-	/352	/13	/178
	J	1200	/-	/-	/642	/201	/-
	Н	498	/-	/-	/249	/54	/-
	Wi	nd read	tions b	ased on I	MWFRS		
	В	Brg V	/idth =	5.5	Min Re	q = 1.5	;
	J			5.5	Min Req = 1.5		
	Н	H Brg Width = -		-	Min Re	q = -	
	Bearings B & J are a rigid surface.						
	Members not listed have forces less than 375#						
_	Ma	ximum	Top C	hord Fo	rces Per	Ply (lb	s)
	Ch	ords T	ens.Co	mp.		- •	•

B - C 0 - 484

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
D-J	126 - 499	F-I	386 - 470	
J - E	454 - 702	I-G	451 - 202	
E-I	572 - 280	G-H	265 - 448	



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

SEQN: 9606 / HIPM Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T128 FROM: DrwNo: 242.21.1212.12623 Qty: 1 Shellev Truss Label: A11 / YK 08/30/2021 25'1" 6'11"8 12'3" 18'2"13 6'11"8 5'3"8 5'11"13 6'10"3 =3X4 D ≡5X5 E ≡4X6 C =3X4_ 5'3"9 4"9 ≡3X8 G ∥2.5X6 J ∥2X4 =2X4(A1) 12'11"12 12'1"4 1'6"8 7'1"4 4'10"12 6'2"13 6'10"3 7'1"4 12' 18'2"13 25'1"

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.014 E 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.029 E 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.009 B
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.019 B
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.712
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.473
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.378
' •	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
Lumber		Wind	

Wind

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

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

۸N	▲ Maximum Reactions (lbs)						
	G	ravity		Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
В	603	/-	/-	/378	/60	/143	
1	1102	/-	/-	/562	/127	/-	
G	511	/-	/-	/256	/74	/-	
Wi	nd read	tions b	ased on N	MWFRS			
В	Brg V	/idth =	5.5	Min Re	q = 1.5	;	
1	Brg V	/idth =	5.5	Min Re	q = 1.5	;	
G	Brg V	/idth =	-	Min Re	q = -		
Bearings B & I are a rigid surface.							
Members not listed have forces less than 375#							
Maximum Top Chord Forces Per Ply (lbs)							
Ch	Charde Tene Comp Charde Tene Comp						

D-E	231	- 459
Maximum	Web	Forces Per Ply (lbs)

- 504

48

B - C

vvebs	rens.Comp.	vvebs	rens. Comp.
C-I	153 - 477	E-H	382 - 474
I - D	472 - 712	H - F	537 - 271
D - H	620 - 290	F-G	290 - 455

E-F

- 459

231

Webs: 2x4 SP #3; Hangers / Ties

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2;

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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=24'10" uses the following support conditions: 24'10" Bearing G (24'10", 10') LUS26

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

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

member.



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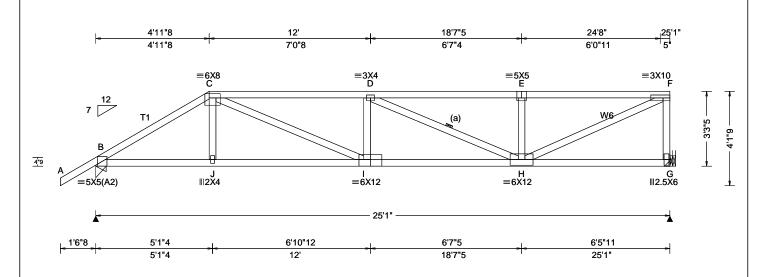
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SEQN: 10130 / HIPM Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T10 / FROM: Qty: 1 DrwNo: 242.21.1212.06092 Shellev Page 1 of 2 Truss Label: A12 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.181 D 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.365 D 820 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.042 C
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.084 C
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.610
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.653
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.814
' "	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
Lumber	•	•	

▲ Maximum Reactions (lbs)							
Gravity			No	on-Grav	vity		
Loc R	+ / R-	/ Rh	/ Rw	/ U	/ RL		
B 196	5 /-	/-	/-	/289	/-		
G 204	8 /-	/-	/-	/248	/-		
Wind re	actions b	ased on	MWFRS				
B Brg	Width =	5.5	Min Re	q = 1.6	6		
G Brg	Width =	-	Min Re	q = -			
Bearing	B is a rig	gid surfac	ce.				
Membe	rs not list	ed have	forces less	s than 3	375#		
Maximu	ım Top (Chord Fo	orces Per	Ply (lb	s)		
Chords	Tens.Co	omp.	Chords	Tens.	Comp.		
B-C	468 -	3214	D-E	452	- 3308	•	
C-D		4199	E-F	452			

Maximum Bot Chord Forces Per Ply (lbs)

Chords

Webs

E-H

H-F

F-G

Tens. Comp.

Tens. Comp.

197

3607

237 - 1625

- 647

- 609

- 495

4226

Chords Tens.Comp.

J - I

Webs

C-J

C-I

D-H

2704 - 387

2725 - 384

Tens.Comp.

1610 - 268

214 - 1008

428

Maximum Web Forces Per Ply (lbs)

Top chord: 2x4 SP M-31; T1 2x4 SP #2; Bot chord: 2x4 SP M-31; Webs: 2x4 SP #3; W6 2x4 SP #2;

(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 -1.54 to 63 plf at TC: From 32 plf at 4.96 to 32 plf at 25.08 5 plf at 20 plf at 5 plf at 20 plf at BC: From BC: From -1.54 to 0.00 0.00 to 4.99 10 plf at 4.99 to BC: From 10 plf at 129 lb Conc. Load at 5.02, 7.02, 9.02,11.02 13.02,15.02,17.02 TC: 140 lb Conc. Load at 19.02 TC: 118 lb Conc. Load at 21.02 BC: 294 lb Conc. Load at 4.99 90 lb Conc. Load at 7.02, 9.02,11.02,13.02 15.02.17.02.21.02 94 lb Conc. Load at 19.02 BC: BC: 215 lb Conc. Load at 23.02 263 lb Conc. Load at 24.52

Wind

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

08/30/2021

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SEQN: 10130 / HIPM Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T10 / FROM: Qty: 1 DrwNo: 242.21.1212.06092 Shellev Page 2 of 2 Truss Label: A12 / YK 08/30/2021

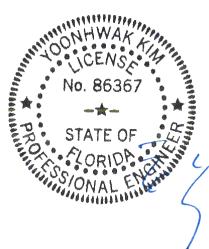
Hangers / Ties

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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=24'10" uses the following support conditions: 24'10"
Bearing G (24'10", 10') HUS26
Supporting Member: (2)2x6 SP 2400f-2.0E
(14) 0.148"x3" nails into supporting member. (6) 0.148"x3" nails into supported member.

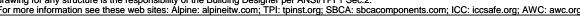


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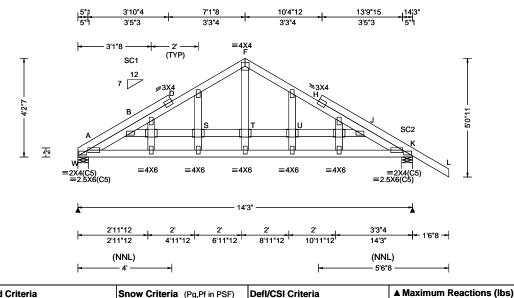
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SEQN: 392986 / GABL Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T17 / FROM: Qty: 1 DrwNo: 242.21.1212.06420 Shellev Truss Label: B01 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.028 D 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.066 D 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.013 D
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.031 D
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.279
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.387
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.182
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
Lumber		Additional Natas	

Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL W 447 /217 496 /-/-/289 Wind reactions based on MWFRS Brg Width = 5.5Min Reg = 1.5Brg Width = 5.5 Min Req = 1.5 Bearings W & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 272 - 529 184 - 382 H - K - 493

Lumber

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

Special Loads

---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 32 plf at 0.00 to 32 plf at 13.83 TC: From 13.83 to 63 plf at 15.79 63 plf at BC: From 10 plf at 0.00 to 10 plf at 14.25 rom 5 plf at 14.25 to 5 plf at -9 lb Conc. Load at 1.40, 3.40, 5.40, 7.13 BC: From 15.79 TC: 8.85,10.85 3 lb Conc. Load at 12.89 BC: 27 lb Conc. Load at 1.36 BC: 13 lb Conc. Load at 3.40, 5.40, 7.13, 8.85 10.85

Plating Notes

All plates are 2X4 except as noted.

14 lb Conc. Load at 12.89

Loading

BC:

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

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

See DWGS A12015ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.

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

The overall height of this russ eviduory symmators, 4-2-7.

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

722 - 322

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. 170 - 388 T-U 171 - 382

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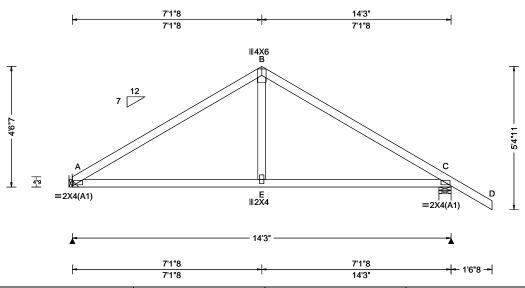
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SEQN: 9616 / COMN Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T35 / FROM: DrwNo: 242.21.1212.05264 Qty: 2 Shelley Truss Label: B02 / YK 08/30/2021



TCDL: 10.00 Speed: 120 mph	J	PP Deflection in loc L/defl L/#	
Risk Category: II	Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	VERT(LL): 0.010 A 999 240 VERT(CL): 0.020 A 999 180 HORZ(LL): 0.008 A HORZ(TL): 0.016 A Creep Factor: 2.0 Max TC CSI: 0.542 Max BC CSI: 0.495 Max Web CSI: 0.122 VIEW Ver: 21.01.01A.0521.20	

▲ Maximum Reactions (lbs)							
Gravity			N	Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
Α	585	/-	/-	/335	/57	/115	
С	705	/-	/-	/419	/81	/-	
Win	d rea	actions b	ased o	n MWFRS			
Α	Brg	Width =	: -	Min R	eq = -		
С	Brg	Width =	5.5	Min R	eq = 1.	5	
Bea	ring	C is a rig	gid surfa	ace.			
Mer	nber	s not list	ed have	e forces les	s than	375#	
Maximum Top Chord Forces Per Ply (lbs)					os)		
Cho	rds	Tens.C	omp.	Chords	Tens.	Ćomp.	
A - I	В	286	- 748	B - C	281	- 752	

Lumber

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

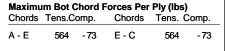
Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

Wind loading based on both gable and hip roof types.





FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org 6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 392984 / SPEC Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T72 / FROM: Qty: 1 DrwNo: 242.21.1212.11357 Shellev Truss Label: C01 / YK 08/30/2021 8'4"8 13' 15'1"8 22'3" 4'7"8 2'1"8 7'1"8 3'4"8 ≡4X4 F =5X6 C ∥2X4 D 4'6"7 3'3"9 4"9 B2 M ∥2X4 Κ _3X10 ∥2X4 ≡4X6 =4X6(B1) =2.5X6(A1) =H0308 22'3' 7'1"8 1'6"8 _ 3'4"8 4'7"8 2'1"8 8'4"8 13' 15'1"8 22'3" ▲ Maximum Reactions (lbs) Gravity Non-Gravity

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 120 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014	PP Deflection in loc L/defl L/# VERT(LL): 0.115 D 999 240 VERT(CL): 0.232 D 999 180 HORZ(LL): 0.034 G HORZ(TL): 0.068 G Creep Factor: 2.0 Max TC CSI: 0.619 Max BC CSI: 0.728 Max Web CSI: 0.615 VIEW Ver: 21.01.01A.0521.20

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP M-31; B2 2x4 SP #2; Webs: 2x4 SP #3;

Special Loads

(Lumber	Dur.Fac.=1	.25 / Plate [Our.Fac.=1.2	25)
TC: From	63 plf at	-1.54 to	63 plf at	5.00
TC: From	32 plf at	5.00 to	32 plf at	7.94
TC: From	63 plf at	7.94 to	63 plf at	23.79
BC: From	5 plf at	-1.54 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	5.03
BC: From	10 plf at	5.03 to	10 plf at	7.94
BC: From	20 plf at	7.94 to	20 plf at	22.25
BC: From	5 plf at	22.25 to	5 plf at	23.79
TC: 347 lb	Conc. Load	at 5.03	•	
BC: 188 lb	Conc. Load	at 5.03		
BC: 140 lb	Conc. Load	at 7.06		
BC: 650 lb	Conc. Load	lat 7.94		

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

Additional Notes

The overall height of this truss excluding overhang is 4-6-7.

Loc R+ /Rh /Rw /U /RL В 1874 /-/260 /-1388 /-/-/-/180 Wind reactions based on MWFRS Min Req = 1.6 В Brg Width = 5.5 Brg Width = 5.5 Min Req = 1.6 Bearings B & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 406 - 2986 234 - 1970 C-D 416 - 3235 260 - 2020

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

B - M	2492 - 327	K-J	2681	- 327
M - L	2508 - 334	J - I	2682	- 328
L - K	2681 - 327	I - G	1648	- 195

Maximum Web Forces Per Ply (lbs)

416 - 3234

D-E

Webs	Tens.Comp.	Webs	Tens. Comp.		
C-L	970 - 109	E-I	233 - 1776		
L-E	658 - 106	I-F	1614 - 138		



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

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SEQN: 9620 / HIPS Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T42 / FROM: DrwNo: 242.21.1212.08076 Qty: 1 Shelley Truss Label: C02 / YK 08/30/2021 11'7"15 15'3" 4'7"15 3'7"1 ≡4X8 C ∥2X4 D ≡5X6 E 4"9 H ∥2X4 K ∥2X4 ≡3X4 =3X8 =3X4(A1) =3X4(A1) - 22'3" 7'1"12 2'10"4 3'5"5 7'1"12 __1'6"8 1'6"8 7'1"12 22'3" 10' 15'1"4 1'7"15 11'7"15

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.039 D 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.080 D 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.018 F
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.036 F
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.514
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.487
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.117
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
Lumber			

▲ Maximum Reactions (lbs)										
	G	ravity		No	on-Grav	vity				
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL				
B 1	030	/-	/-	/598	/120	/128				
F 1	030	/-	/-	/598	/120	/-				
Wind	reac	tions ba	sed on	MWFRS						
В	B Brg Width = 5.5				Min Reg = 1.5					
FE	3rg W	/idth = 5	.5	Min Re	q = 1.5	;				
Beari	ngs E	3 & Fare	a rigio	d surface.	-					
Mem	bers i	not listed	d have	forces less	s than 3	375#				
Maxi	mum	Top Ch	ord Fo	orces Per	Ply (lb	s)				
Chor	ds T	ens.Cor	np.	Chords	Tens.	Comp.				
B-C		462 - 13	345	D-E	535	- 1187				
C-D		535 - 1		Ē-F	460	- 1341				

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

Wind

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

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Choras	rens.comp.		Choras	rens. Comp	
B - K K - J J - I	1069 - 2 1074 - 2 1074 - 2	285	I-H H-F	1069 1065	



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

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SEQN: 9622 / HIPS Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T41 / FROM: DrwNo: 242.21.1212.12966 Qty: 1 Shellev Truss Label: C03 / YK 08/30/2021 4'9"9 13'3" 17'5"7 22'3" 4'2"7 4'2"7 ≡4X6 D =4<u>X</u>4 4"9 K ≡3X4 J I ≡3X4 ≡3X8 =3X4(A1) ≡3X4(Å1) 22'3" -9'1"12 1'6"8 13'1'4 22'3" Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) Wind Std: ASCE 7-16 Ct: NA CAT: NA TCLL: 20.00 Pg: NA PP Deflection in loc L/defl L/# Speed: 120 mph TCDL: 10.00 Pf: NA Ce: NA VERT(LL): 0.039 K 999 240 Enclosure: Closed Lu: NA BCI I · 0.00 Cs: NA

Lumber

BCDL:

Soffit:

Des Ld:

NCBCLL: 10.00

Spacing: 24.0 "

Load Duration: 1.25

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

10.00

40.00

2.00

Wind

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

Risk Category: II

EXP: C Kzt: NA

TCDL: 5.0 psf

BCDL: 5.0 psf

Mean Height: 15.00 ft

C&C Dist a: 3.00 ft

MWFRS Parallel Dist: h/2 to h

Loc. from endwall: not in 9.00 ft

GCpi: 0.18 Wind Duration: 1.60

Wind loading based on both gable and hip roof types.

VERT(CL): 0.079 K 999 180 HORZ(LL): 0.019 G HORZ(TL): 0.038 G Creep Factor: 2.0 Max TC CSI: 0.223 Max BC CSI: 0.678

Max Web CSI: 0.143 VIEW Ver: 21.01.01A.0521.20

	(3ravity		` ´ N	on-Grav	vity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
В	1030	/-	/-	/604	/117	/154		
G	1030	/-	/-	/604	/117	/-		
Win	id rea	ctions b	ased or	MWFRS				
В	Brg \	Width =	5.5	Min Re	Min Req = 1.5			
G	Brg \	Width =	5.5	Min Re	q = 1.5	5		
Bea	ırings	B & G	are a rig	id surface.				
Mer	nbers	not list	ed have	forces les	s than 3	375#		
Maximum Top Chord Forces Per Ply (lbs)								
Cho	ords	Tens.C	omp.	Chords	Tens.	Comp.		
В-	С	347 -	1387	E-F	324	- 1126		

348 - 1386

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

325 - 1131

311 - 919

C-D

D-E

B - K	1137 - 201	J - I	916	- 119
K - J	916 - 119	I - G	1136	- 210



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Snow Duration: NA

FBC 7th Ed. 2020 Res. HVHZ

Building Code:

TPI Std: 2014

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

Rep Fac: Yes

Plate Type(s):

WAVE

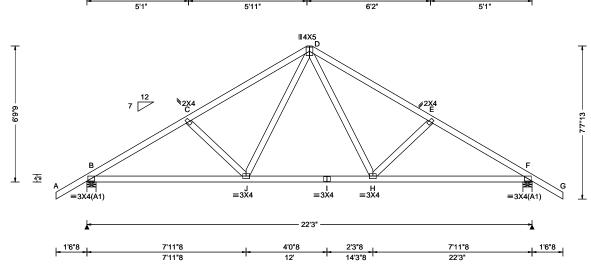
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SEQN: 9624 / HIPS Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T51 / FROM: Qty: 1 DrwNo: 242.21.1212.06155 Shellev Truss Label: C04 / YK 08/30/2021



TCLL: 20.00	Wind Std: ASCE 7-16	l		1 -
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 "	C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft	Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014	PP Deflection in loc L/defl L/# VERT(LL): 0.042 H 999 240 VERT(CL): 0.085 H 999 180 HORZ(LL): 0.018 F HORZ(TL): 0.037 F Creep Factor: 2.0 Max TC CSI: 0.386 Max BC CSI: 0.551 Max Web CSI: 0.157	
Lumber	GCpi: 0.18 Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 1030 /-/605 /112 /180 1030 /-/605 /112 Wind reactions based on MWFRS Min Req = 1.5 Brg Width = 5.5В Brg Width = 5.5 Min Req = 1.5 Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 196 - 1408 196 - 1185 196 - 1185 E-F 196 - 1408

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

Wind

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

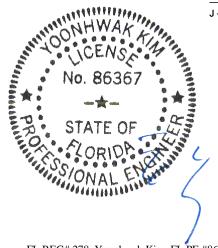
Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. C	omp.
B-J	1155	- 80	I - H	774	0
J - I	774	0	H-F	1155	- 82

Maximum Web Forces Per Ply (lbs)

/ebs	Tens.Comp.		Webs	Tens. C	omp.
- D	412	- 34	D-H	412	- 34



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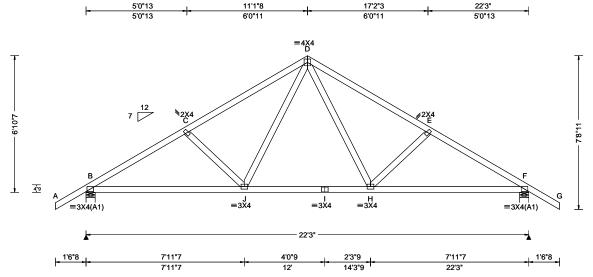
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SEQN: 17455 / COMN Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T46 / FROM: Qty: 4 DrwNo: 242.21.1212.06889 Shelley Truss Label: C05 / YK 08/30/2021



Loading Crite	eria (psf)	Wind Criteria	Snow Criteria (P	g,Pf in PSF)	Defl/CSI Cr	iteria			•
TCLL: 20. TCDL: 10. BCLL: 0.0 BCDL: 10. Des Ld: 40. NCBCLL: 10. Soffit: 2.0 Load Duration Spacing: 24.0	00 00 00 00 00 00 00 00 00 n: 1.25	Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 0.00 ft TCDL: 5.0 psf BCDL: 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	Pg: NA Ct: NA Pf: NA Lu: NA Cs: NA Snow Duration: N/ Building Code: FBC 7th Ed. 2020 TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Ce: NA	PP Deflection VERT(LL): VERT(CL): HORZ(LL): HORZ(TL): Creep Factor Max TC CSI Max BC CSI Max Web C	0.049 H 0.095 H 0.022 F 0.043 F or: 2.0 l: 0.397 l: 0.550 Sl: 0.169	999 999 - -	240 180 - -	
Lumber		Wind Duration: 1.60	WAVE		VIEW Ver: 2	21.01.01A.0	J5Z1.Z	20	C

	▲ Maximum Reactions (Ibs)											
		G	aravity		No	on-Gra	vity					
	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL					
	В	1079	/-	/-	/605	/-	/181					
	F	1079	/-	/-	/605	/-	/-					
Wind reactions based on MWFRS												
	B Brg Width = 5.5				Min Req = 1.5							
	F	Brg \	Nidth = 5	.5	Min Re	q = 1.5	5					
	Bea	rings	B&Fare	e a rigi	d surface.							
	Mer	nbers	not listed	d have	forces less	s than :	375#					
	Max	timun	n Top Ch	ord F	orces Per	Ply (lb	s)					
	Cho	rds ⁻	Tens.Cor	np.	Chords	Tens.	Comp.					
	В-(С	199 - 1	511	D-E	198	- 1289					
	ا ـ ت ا	Ď	198 - 1	280	F-F	100	- 1511					

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

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	omp.	Chords	Tens. Comp.		
B-J	1241	- 78	I-H	840	0	
J - I	840	0	H-F	1242	- 85	

Maximum Web Forces Per Ply (lbs)

webs	ebs Tens.Comp.		vvebs	rens. Comp.	
I - D	444	- 33	D-H	444	- 33



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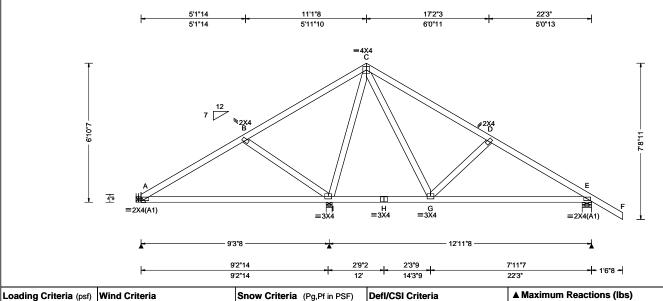
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SEQN: 17449 / COMN Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T137 FROM: Qty: 5 DrwNo: 242.21.1212.12013 Shellev Truss Label: C06 / YK 08/30/2021



Loading Criteria (psi)	wind Criteria	Show Criteria (Pg,Pt in PSF)	Den/Col Criteria	1
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.011 D 999 240	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.025 A 999 180	1
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.006 A	ı
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 0.00 ft		HORZ(TL): 0.017 A	E
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	١,
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.655	[
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.601	ľ
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.564	Ė
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		l
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	(
Lumban				-

Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 362 /215 /167 1019 /-/-/527 /-626 /420 Wind reactions based on MWFRS Brg Width = Min Req = Brg Width = 3.5 Min Req = 1.5 Brg Width = 5.5 Min Req = 1.5Bearings I & E are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

D-E

- 656

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

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

Wind loading based on both gable and hip roof types.

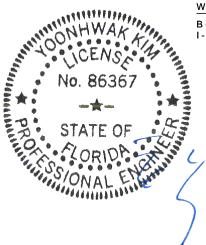
Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp.

G-E 519

C-D

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.		
B - I	182 - 421 139 - 633		412	-63	



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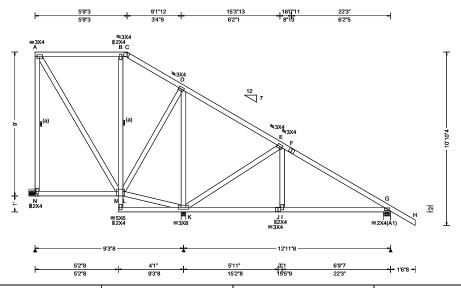
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 17317 / MONO Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T127 FROM: Qty: 7 DrwNo: 242.21.1212.06920 Shellev Truss Label: C07 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.008 B 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.015 B 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.005 G
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.011 G
NCBCLL: 10.00	Mean Height: 15.91 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.489
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.375
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.756
-	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL Ν 414 /-/172 /228 1106 /-/662 /-590 /387 Wind reactions based on MWFRS Brg Width = Min Req = Brg Width = 3.5 Min Req = 1.5 Brg Width = 5.5 Min Rea = 1.5Bearings K & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.

F-G 39 - 534

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

(J) Hanger Support Required, by others

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

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

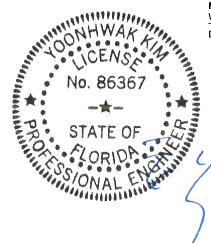
Left end vertical not exposed to wind pressure. Wind loading based on both gable and hip roof types.

Additional Notes

Refer to DWG PB160160118 for piggyback details.



Maximum Web Forces Per Ply (lbs)							
W	ebs	Tens.Co	omp.	W	ebs	Tens.	Comp.
_	· /		cco		_	4.46	FCF



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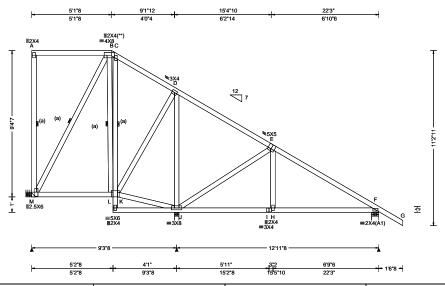
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SEQN: 17314 / HIPM Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T123 FROM: Qty: 1 DrwNo: 242.21.1212.10796 Shellev Truss Label: C08 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.007 H 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.015 H 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.005 F
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.011 F
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.494
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.379
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.675
-	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 354 /-/187 /107 /233 1017 /-/-/638 612 /394 Wind reactions based on MWFRS Brg Width = Min Reg = -Brg Width = 3.5 Min Req = 1.5 Brg Width = 5.5 Min Rea = 1.5Bearings J & F are a rigid surface. Members not listed have forces less than 375# **Maximum Top Chord Forces Per Ply (lbs)** Chords Tens.Comp.

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on

Plating Notes

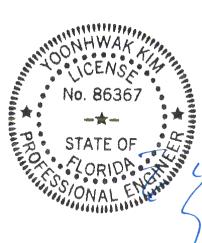
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Hangers / Ties

(J) Hanger Support Required, by others

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

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



412 H-F 415 0 I - H 412 Maximum Web Forces Per Ply (lbs) Tens. Comp. Webs Tens.Comp. Webs 19 - 589 J-E 141 - 561

Chords Tens. Comp.

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp.

FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

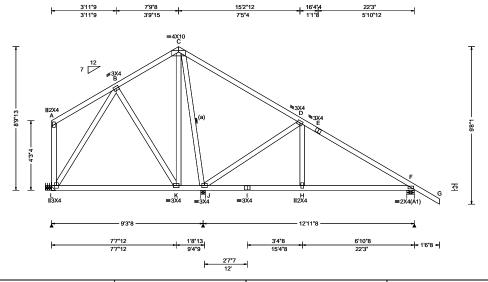
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SEQN: 17304 / SPEC Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T142 FROM: Qty: 7 DrwNo: 242.21.1212.09373 Shellev Truss Label: C09 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.010 H 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.018 H 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.006 F
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.012 F
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.780
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.535
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.661
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 464 /-/194 /199 1008 /-/-/540 /-631 /399 Wind reactions based on MWFRS Brg Width = Min Req = Brg Width = 3.5 Min Req = 1.5 Brg Width = 5.5 Min Req = 1.5Bearings J & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

- 628

0

- 641

Chords Tens. Comp.

Tens. Comp.

181

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

(J) Hanger Support Required, by others

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

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

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



Maximum Web Forces Per Ply (lbs)

- 11 - 674 16

86 - 451

Chords Tens.Comp.

466

466

Tens.Comp.

385

Maximum Bot Chord Forces Per Ply (lbs)

H-F

Webs

J-D

D-E

I - H

Webs

K-C

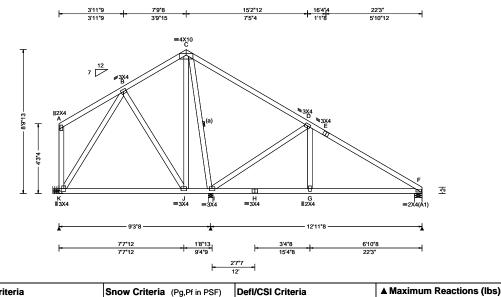
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org 6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 17301 / SPEC Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T139 FROM: Qty: 1 DrwNo: 242.21.1212.11716 Shelley Truss Label: C10 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.008 G 999 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.017 G 999 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.006 F	
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.012 F	
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.789	
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.475	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.681	
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		4
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	

Gravity Non-Gravity				avity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
K	393	/-	/-	/198	/-	/185
1	965	/-	/-	/527	/-	/-
F	522	/-	/-	/323	/-	/-
Win	d rea	ctions b	ased on I	MWFRS		
K	Brg \	Width =	-	Min Re	q = -	
ı	Brg \	Width =	3.5	Min Re	q = 1.	5
F	Brg \	Width =	5.5	Min Re	q = 1.	5
Bearings I & F are a rigid surface.						
Members not listed have forces less than 375#						
Maximum Top Chord Forces Per Ply (lbs)						
Cho	rds	Tens.Co	omp.	Chords	Tens.	. Comp.

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

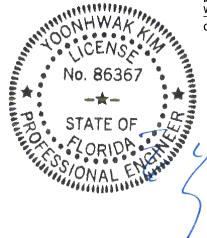
D-E 93 - 470 E-F - 647

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp	
I - H H - G	486 486	-	G-F	489	-8

Maximum Web Forces Per Ply (lbs)

vvebs	rens.Comp.	vvebs	rens. (omp.
C - I	9 - 557	I - D	188	- 660



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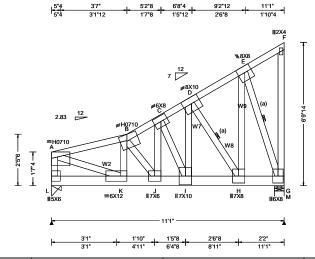
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SEQN: 17340 / SPEC Ply: 2 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T83 / FROM: DrwNo: 242.21.1212.11857 Qty: 1 Shellev Truss Label: C11 / YK 08/30/2021

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.114 J 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.229 J 580 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.063 F
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.126 F
NCBCLL: 0.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.925
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.532
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.998
'	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	HS, WAVE	VIEW Ver: 21.01.01A.0521.20
Lumber		Wind	

▲ Ma	aximu	ım Reac	tions (lbs)		
	G	ravity		No	on-Grav	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
L 9	9135	/-	/-	/-	/206	/-
М 8	3594	/-	/-	/-	/366	/-
Wind	d reac	tions bas	sed on	MWFRS		
L	Brg W	/idth = 5	.5	Min Re	q = 3.8	}
М	Brg W	/idth = 5	.5	Min Re	q = 3.6	;
Bear	ings L	& M are	e a rigio	d surface.		
Mem	bers	not listed	have	forces less	s than 3	375#
Max	imum	Top Ch	ord Fo	orces Per	Ply (lb	s)
Chor	ds T	ens.Con	np.	Chords	Tens.	Comp.
A - F	}	173 - 6	553	C - D	182	- 5501
B - C	;	221 - 60		Ď-Ē	81	- 1986

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W2,W7,W9 2x4 SP M-31; W8 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member

Nailnote

Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 2 Rows @ 2.00" o.c. (Each Row) 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 61 plf at 0.00 to 61 plf at TC: From 63 plf at 3.59 to 63 plf at 1 TC: From 3.59 11.08 20 plf at 0.00 to 20 plf at 11.08 BC: 2224 lb Conc. Load at 1.52, 3.52 BC: 2048 lb Conc. Load at 5.06 BC: 2068 lb Conc. Load at 5.52 BC: 6777 lb Conc. Load at 6.52 511 lb Conc. Load at 7.06 498 lb Conc. Load at 9.06 466 lb Conc. Load at 10.40

Additional Notes

The maximum concentrated load is 6778#

Wind

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

It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data, including dimensions and loads, conform to the architectural plans/specifications and fabricators truss layout.



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Co	mp.
K - J	6474 - 180	I - H	4410 -	147
J - I	5567 - 181	H - G	1497	- 58

Maximum Web Forces Per Ply (lbs)

vvebs	rens.Comp.	webs	rens. Comp.
A - L	116 - 3915	C-I	64 - 2081
A - K	6752 - 174	I - D	6132 - 166
K - B	110 - 781	D-H	157 - 5198
B - J	0 - 1338	H - E	4973 - 171
J - C	2471 - 70	E-G	167 - 4332

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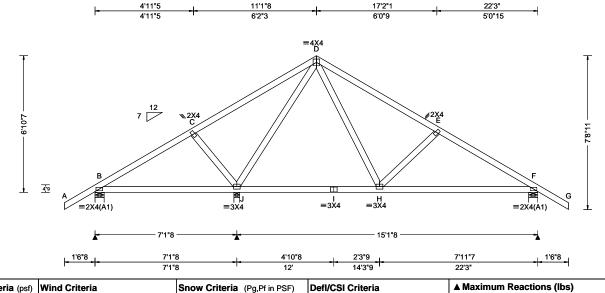
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SEQN: 17328 / COMN Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T40 / FROM: Qty: 2 DrwNo: 242.21.1212.08702 Shellev Truss Label: C12 / YK 08/30/2021



Loading (Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (lbs	s)
TCLL:	20.00	Wind Std: ASCE 7-16	Pa: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-C
TCDL:	10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.018 E 999 240	Loc R+ /R- /Rh	/Rw /l
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.036 E 999 180	B 348 /- /-	/215 /-
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.008 D	J 1151 /- /-	/572 /-
Des Ld:	40.00	EXP: C Kzt: NA		HORZ(TL): 0.015 D	F 726 /- /-	/460 /-
NCBCLL:	10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	Wind reactions based on M	-
Soffit:	2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.538	. •	Min Req =
Load Dura	ation: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.504		Min Req = Min Rea =
Spacing: 2	24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.875	Bearings B, J, & F are a rigi	- 1
		Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		Members not listed have for	rces less tha
		GCpi: 0.18	Plate Type(s):		Maximum Top Chord Ford	es Per Ply
		Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	Chords Tens.Comp. Cl	hords Te
Lumber					D_E 101 -627 E	_F 1

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

E-F

Non-Gravity

/RL

/181

/-

/Rw / U

Min Req = 1.5

Min Req = 1.5

Min Req = 1.5

106

- 864

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

H - F 694

D-E

Maximum Web Forces Per Ply (lbs)

101 - 627

Tens.Comp. Webs Webs Tens. Comp. J - D 124 - 760 D-H 522 - 46

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

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

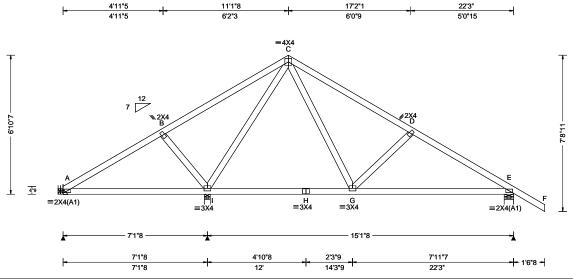
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 17452 / COMN Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T31 / FROM: Qty: 4 DrwNo: 242.21.1212.07420 Shelley Truss Label: C13 / YK 08/30/2021



1	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	١,
ŀ	TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
ľ	TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.018 D 999 240	!
1	BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.036 D 999 180	١,
1	BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.008 C	ı
	Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.016 C	ı
1	NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	١
١	Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.601	1
	Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.503	Ľ
1	Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.828	ľ
	. •	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		ľ
		GCpi: 0.18	Plate Type(s):		li
		Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	(

▲ M	aximu	ım Read	tions	(lbs)		
	G	ravity		No	on-Gra	vity
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL
Α	249	/-	/-	/141	/-	/167
1	1136	/-	/-	/560	/-	/-
E	730	/-	/-	/460	/-	/-
Win	d read	tions ba	sed on	MWFRS		
Α	Brg V	/idth = -		Min Re	q = -	
1	Brg V	/idth = 3	.5	Min Re	q = 1.5	5
Е	Brg V	/idth = 5	.5	Min Re	q = 1.5	5
Bea	rings I	& E are	a rigio	l surface.		
Men	nbers	not liste	d have	forces less	s than	375#
Max	imum	Top Cl	nord F	orces Per	Ply (lb	s)
Cho	rds T	ens.Cor	np.	Chords	Tens.	Ćomp.
C - I	D	113 -	635	D-E	120	- 871

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

Loading

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

Wind

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

Wind loading based on both gable and hip roof types.

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

G-E 700

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens. C	comp.
B - I I - C		- 382 - 720	C - G	521	- 44



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

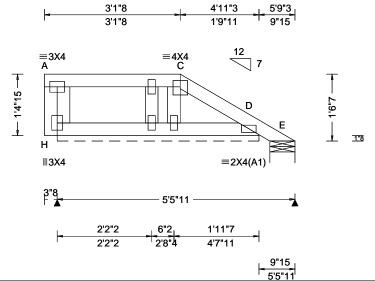
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SEQN: 17408 / GABL Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T84 / FROM: Qty: 1 DrwNo: 242.21.1212.06592 Shellev Truss Label: CPC01 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.000 D 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.000 D 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 D
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.000 D
NCBCLL: 10.00	Mean Height: 20.77 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 2.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.084
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.019
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.069
-	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

▲ M	axim	um Rea	ctions (I	bs), or *=	:PLF	
	G	ravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
H*	77	/-	/-	/51	/21	/7
Е	8	/-	/-	/2	/1	/-
Win	d read	ctions b	ased on I	MWFRS		
Н	Brg V	Vidth =	55.7	Min Re	q = -	
H Brg Width = 55.7 Min Req = - E Brg Width = 6.9 Min Req = 1.5						
Bea	rings	Н&Еа	re a rigid	surface.	•	
	_		ed have f		s than	375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

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

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other

Refer to DWG PB160160118 for piggyback details.



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

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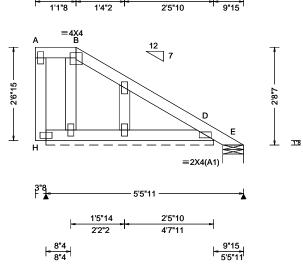
SEQN: 17411 / GABL Ply: 1 Job Number: 21-5856 FROM: Qty: 1 Shellev

1'1"8

2'5"10

Truss Label: CPC02

Cust: R 215 JRef: 1X8e2150003 T58 / DrwNo: 242.21.1212.12624 / YK 08/30/2021



1 = " ' 1	Criteria (Pg,Pf in PSF) Defl/CSI Criteria
EXP: C KZt: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.000 D 999 240 VERT(LL): 0.000 D 999 240 VERT(CL): 0.001 D 999 180 HORZ(LL): -0.000 D HORZ(TL): 0.001 D Toreep Factor: 2.0 Max TC CSI: 0.039 Max BC CSI: 0.020 Max Web CSI: 0.032 VERT(LL): 0.000 D 999 240 VERT(CL): 0.000 D MORZ(LL): -0.000 D MORZ(TL): 0.001 D VIEW NOTE: 0.003

▲ M	axim	um Rea	ctions (I	bs), or *=	:PLF	
	G	ravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Н*	78	/-	/-	/59	/16	/13
Е	0	/0	/-	/3	/6	/-
Win	d read	ctions b	ased on I	MWFRS		
Н	Brg V	Vidth =	55.7	Min Re	q = -	
E Brg Width = 6.9			Min Re	$\dot{q} = 1.5$	5	
Bea	rings	Н&Еа	re a rigid	surface.	•	
	_		•	orces les	s than	375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

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

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

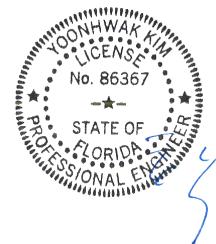
Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.



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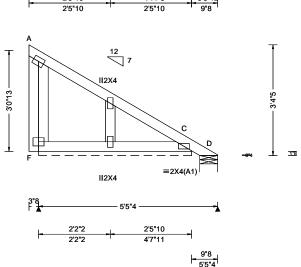
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SEQN: 17414 / GABL Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 FROM: Qty: 3 DrwNo: 242.21.1212.08889 Shellev Truss Label: CPC03 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.000 C 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 C 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 A
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.000 A
NCBCLL: 10.00	Mean Height: 21.69 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 2.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.073
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.024
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.058
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 77 /62 /12 /16 D /-5 /2 /2 /-Wind reactions based on MWFRS Brg Width = 55.7 Min Reg = -Brg Width = 6.5 Min Req = 1.5 Bearings F & D are a rigid surface. Members not listed have forces less than 375#

T132

Lumber

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

Plating Notes

All plates are 3X4 except as noted.

Loading

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

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

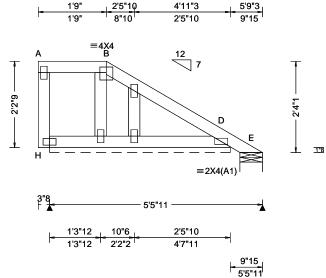
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SEQN: 17417 / GABL Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T131 FROM: Qty: 1 DrwNo: 242.21.1212.11388 Shellev Truss Label: CPC04 / YK 08/30/2021



Loading	Criteria (psf)	Wind Criteria	Snow Cri	i teria (Pg	,Pf in PSF)	Defl/CSI Cri	teria		
TCLL:	20.00	Wind Std: ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflectio	n in loc L	./defl	L/#
TCDL:	10.00	Speed: 120 mph	Pf: NA		Ce: NA	VERT(LL):	0.000 D	999	240
BCLL:	0.00	Enclosure: Closed	Lu: NA	Cs: NA		VERT(CL):	0.001 D	999	180
BCDL:	10.00	Risk Category: II	Snow Du	ration: NA		HORZ(LL):	-0.000 D	-	-
Des Ld:	40.00	EXP: C Kzt: NA				HORZ(TL):	0.001 D	-	-
NCBCLL	: 10.00	Mean Height: 15.91 ft TCDL: 5.0 psf	Building (Code:		Creep Facto	r: 2.0		
Soffit:	2.00	BCDL: 5.0 psf	FBC 7th E	Ed. 2020 F	Res. HVHZ	Max TC CSI:	0.039		
Load Du	ration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std:	2014		Max BC CSI	0.021		
Spacing:	24.0 "	C&C Dist a: 3.00 ft	Rep Fac:	Yes		Max Web CS	SI: 0.019		
' -		Loc. from endwall: not in 9.00 ft	FT/RT:20	(0)/10(0)					
		GCpi: 0.18	Plate Typ	e(s):					
		Wind Duration: 1.60	WAVE			VIEW Ver: 2	1.01.01A.	0521.2	20

▲ M	axim	um Rea	ctions (I	bs), or *=	:PLF	
	G	ravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
H*	79	/-	/-	/58	/13	/10
Е	1	/-	/-	/5	/1	/-
Win	d read	ctions b	ased on I	MWFRS		
Н	Brg V	Vidth =	55.7	Min Re	q = -	
Е	Brg V	Vidth =	6.9	Min Re	q = 1.5	5
Bea	rings	Н&Еа	re a rigid	surface.	•	
			ed have f		s than	375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

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

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

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

Additional Notes

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.



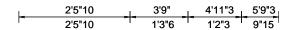
FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

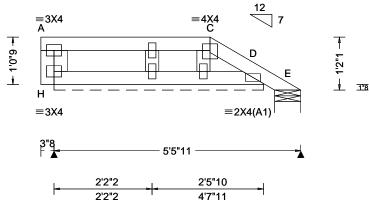
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1_	9"15	
Г	5'5"11	

			55"11"
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.000 B 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.000 B 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 D
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.33 ft		HORZ(TL): 0.000 D
NCBCLL: 0.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.068
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.017
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.029
' -	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

	G	avity	•	, No	on-Gra	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
H*	75	/-	/-	/49	/16	/5	
Е	19	/-	/-	/16	/3	/-	
Win	d read	ctions b	ased on I	MWFRS			
Н	Brg V	Vidth =	55.7	Min Reg = -			
Е	Brg V	Vidth =	6.9	Min Re	q = 1.5	5	
Bea	rings	Н&Еа	re a rigid	surface.	•		
	_		_	orces les	s than	375#	

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Wind loads based on MWFRS.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other

Refer to DWG PB160160118 for piggyback details.



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

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SEQN: 17359 / GABL Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T77 / FROM: Qty: 1 DrwNo: 242.21.1212.09060 Shellev Truss Label: CPD01 / YK 08/30/2021 16'8"7 9"8 2'5"12 1'8"3 15'10"15 14'2"12 11'9" 1'8"3 (TYP) 15'1"7 · 15'1"7 9"8 15'10"15

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.000 E 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.000 E 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 H
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.000 H
NCBCLL: 10.00	Mean Height: 20.74 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 2.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.181
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.048
Spacing: 24.0 "	C&C Dist a: 3.40 ft	Rep Fac: Yes	Max Web CSI: 0.051
'	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
Lumber			

uxii	Gravity	actions (II	=* bs), or /۱۸	⊧PLF on-Gra	vitv	
Loc R-	F /R-	/ Rh	/ Rw		/ RL	
A 12	/-	/-	/23	/13	/30	
B* 70	/-	/-	/45	/13	/-	
l 12	/-	/-	/12	/1	/-	
Wind re	actions l	pased on N	MWFRS			
A Bro	Width =	6.5	Min Req = 1.5			
B Bro	Width =	: 181	Min Re	q = -		
l Br	Width =	6.5	Min Re	$\dot{q} = 1.5$	5	
Bearings A, B, & I are a rigid surface.						
Membe	rs not list	ted have fo	orces les	s than	375#	

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

Plating Notes

All plates are 2X4 except as noted.

Loading

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

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.



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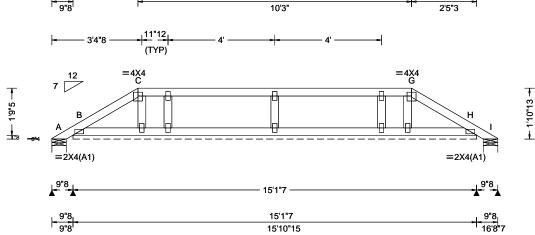
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SEQN: 17354 / GABL Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T110 FROM: Qty: 1 DrwNo: 242.21.1212.08717 Shellev Truss Label: CPD02 / YK 08/30/2021 16'8"7 9"8 3'2"12 2'5"3 13'5"12 15'10"15



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	ſ
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.001 H 999 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 H 999 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 B	
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 20.96 ft		HORZ(TL): 0.001 B	
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 2.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.182	
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.049	
Spacing: 24.0 "	C&C Dist a: 3.40 ft	Rep Fac: Yes	Max Web CSI: 0.052	
	Loc. from endwall: not in 13.00 ft			
	GCpi: 0.18	Plate Type(s):		4
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	
Lumbor	·	·	·	

	▲ Maximum Reactions (lbs), or *=PLF								
Gravity					No	Non-Gravity			
	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
	Α	_	/-6	/-	/25	/25	/41		
	В*	73	/-	/-	/47	/11	/-		
	1	-	/-6	/-	/4	/4	/-		
	Win	d read	ctions b	ased on I	MWFRS				
	Α	Brg V	Vidth =	6.5	Min Req = 1.5				
	В	Brg V	Vidth =	181	Min Reg = -				
	1	Brg V	Vidth =	6.5	Min Re	q = 1.5	5		
	Bea	rings /	A, B, &	I are a rig	gid surfac	e.			
	Mer	nbers	not list	ed have f	orces les	s than	375#		
	_								

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

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

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.



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

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

6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 17458 / GABL Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T105 FROM: DrwNo: 242.21.1212.07826 Qty: 1 Shellev Truss Label: CPD03 / YK 08/30/2021 16'8"7 5'2"12 11'5"12 15'10"15 4'5"3 6'3' 4'5"3 1'0"4 2'11"12 (TYP) =4X4 =4<u>×</u>4 2'11"5 Ν L J ≡2ٰX4(A1) =2X4(A1) 15'1"7 15'1"7 15'10"15

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	Wind Criteria Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 21.55 ft TCDL: 5.0 psf BCDL: 2.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.40 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. HVHZ 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): 0.001 B 999 240 VERT(CL): 0.002 B 999 180 HORZ(LL): 0.001 H HORZ(TL): 0.001 H Creep Factor: 2.0 Max TC CSI: 0.139 Max BC CSI: 0.040 Max Web CSI: 0.075 VIEW Ver: 21.01.01A.0521.20
Lumber	Trina Baraton. 1.00	IVVAVE	11211 1011 2110 110 111002 1120

▲ M			ctions (II			
	G	Gravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/U	/ RL
Α	_	/-34	/-	/46	/67	/69
B*	76	/-	/-	/49	/14	/-
1	-	/-34	/-	/12	/33	
N		/-100				
L		/-237				
J		/-101				
Wir	nd read	ctions ba	ased on M	MWFRS		
Α	Brg V	Vidth = 0	6.5	Min Re	q = 1.5	5
В	B Brg Width = 181			Min Re	q = -	
- 1	Brg V	Vidth = 0	6.5	Min Re	q = 1.5	5
Bea	arings	A, B, & I	are a ric	id surfac	e.	

Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

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

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.



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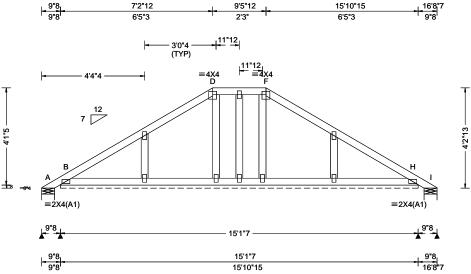
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SEQN: 17348 / GABL Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T78 / FROM: Qty: 1 DrwNo: 242.21.1212.07764 Shellev Truss Label: CPD04 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 22.13 ft TCDL: 5.0 psf BCDL: 2.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.40 ft	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Yes	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.001 H 999 240 VERT(CL): 0.001 H 999 180 HORZ(LL): 0.001 G HORZ(TL): 0.001 H Creep Factor: 2.0 Max TC CSI: 0.122 Max BC CSI: 0.048 Max Web CSI: 0.044
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

▲ Maximum Reactions (lbs), or *=PLF						
	G	avity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Α	-	/-24	/-	/59	/70	/97
В*	75	/-	/-	/52	/6	/-
1	-	/-24	/-	/11	/22	/-
Win	d read	ctions ba	ased on I	MWFRS		
Α	Brg V	Vidth =	6.5	Min Re	q = 1.5	5
В	Brg V	Vidth =	181	Min Re	q = -	
1	Brg V	Vidth =	6.5	Min Re	q = 1.5	5
Bea	rings	A, B, &	l are a rig	gid surfac	e.	
	_		_	orces les		375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

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

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.



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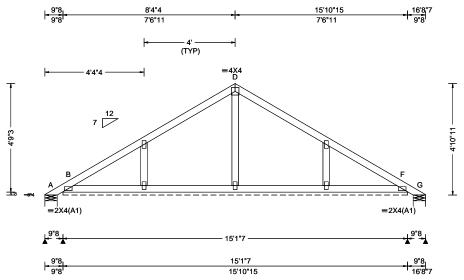
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SEQN: 10062 / GABL Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T26 / FROM: DrwNo: 242.21.1212.05857 Qty: 7 Shellev Truss Label: CPD05 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	1
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 22.46 ft TCDL: 5.0 psf BCDL: 2.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.40 ft Loc. 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 Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Yes	PP Deflection in loc L/defl L/# VERT(LL): 0.001 D 999 240 VERT(CL): 0.001 D 999 180 HORZ(LL): 0.001 E HORZ(TL): 0.002 E Creep Factor: 2.0 Max TC CSI: 0.204 Max BC CSI: 0.056 Max Web CSI: 0.069 VIEW Ver: 21.01.01A.0521.20	

			•	bs), or *=			
	G	ravity		No	on-Gra	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
Α	-	/-9	/-	/64	/68	/112	
B*	73	/-	/-	/52	/5	/-	
G	-	/-9	/-	/8	/12	/-	
Win	d read	tions b	ased on N	MWFRS			
Α	Brg V	Vidth =	6.5	Min Req = 1.5			
В	Brg V	Vidth =	181	Min Re	q = -		
G	Brg V	Vidth =	6.5	Min Re	$\dot{q} = 1.5$	5	
Bea	rings .	A, B, &	G are a ri	igid surfa	ce.		
Men	nbers	not list	ed have fo	orces les	s than	375#	

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

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

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.



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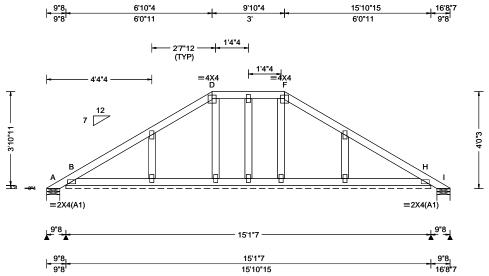
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SEQN: 10064 / GABL Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T12 / FROM: Qty: 1 DrwNo: 242.21.1212.11529 Shellev Truss Label: CPD06 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.001 H 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 H 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 H
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 H
NCBCLL: 10.00	Mean Height: 22.02 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 2.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.107
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.045
Spacing: 24.0 "	C&C Dist a: 3.40 ft	Rep Fac: Yes	Max Web CSI: 0.041
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
Lumbor			

A M	avimı	ım Pos	ctions (I	he\ or *-	DIE	
▲ Maximum Reactions (It Gravity				Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Α	-	/-27	/-	/58	/71	/93
B*	76	/-	/-	/52	/6	/-
1	-	/-27	/-	/12	/25	/-
Win	d read	ctions ba	ased on I	MWFRS		
Α	Brg V	Vidth =	6.5	Min Re	q = 1.5	5
В	Brg V	Vidth =	181	Min Re	q = -	
1	Brg V	Vidth =	6.5	Min Re	q = 1.5	5
Bea	rings .	A, B, &	l are a rig	gid surfac	ė.	
	_			orces less		375#
1						

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

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

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other requirements.

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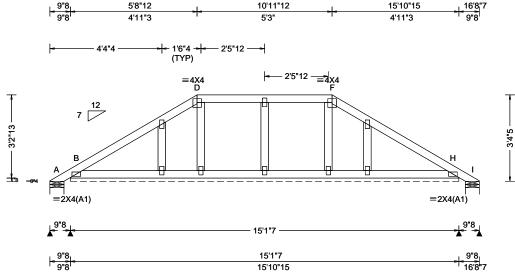
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SEQN: 10066 / GABL Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T29 / FROM: Qty: 1 DrwNo: 242.21.1212.07326 Shellev Truss Label: CPD07 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.001 H 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.002 H 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 H
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 H
NCBCLL: 0.00	Mean Height: 21.69 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 2.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.095
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.040
Spacing: 24.0 "	C&C Dist a: 3.40 ft	Rep Fac: Yes	Max Web CSI: 0.048
'	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
Lumber	•	•	

▲ Maximum Reactions (lbs), or *=PLF							
	G	avity		No	on-Gra	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
Α	-	/-32	/-	/51	/66	/77	
В*	76	/-	/-	/51	/6	/-	
1	-	/-32	/-	/12	/28	/-	
Win	d read	ctions b	ased on I	MWFRS			
Α	Brg V	Vidth =	6.5	Min Re	q = 1.5	5	
В	Brg V	Vidth =	181	Min Re	q = -		
1	Brg V	Vidth =	6.5	Min Re	$\dot{q} = 1.5$	5	
Bea	rings .	A, B, &	I are a riç	gid surfac	e.		
Mer	nbers	not liste	ed have f	orces les	s than	375#	
-						-	

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

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Wind loads based on MWFRS.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A12030ENC160118, GBLLETIN0118, & GABRST160118 for gable wind bracing and other

Refer to DWG PB160160118 for piggyback details.



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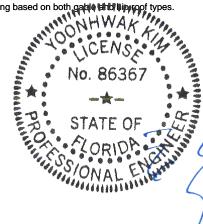


SEQN: 17464 / HIPM Ply: 2 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T23 / Qty: 1 FROM: DrwNo: 242.21.1212.07014 Shellev Page 1 of 2 Truss Label: D01 / YK 08/30/2021 2 Complete Trusses Required | 17'6"4 | 21' | 1'11"8 7'2"12 16'8" | 19'0"8 1'5"8 | 1'6"4 11'2"8 25'9"7 32'4"10 44'8"8 3'11"12 6'7"3 2'1"1 4'9"7 5'7"7 =3X4 G =8X,8 =H0308 ≡3X5 ≡4X8 ≡3X10 =4<u>×</u>4 ≡7X8 ≡4X12 C D E =3X5 ΗΙ W24 8" 4" 4"9 AD ≡4X6 AGAH AI V ≡3X10 ≡SS0310 s R ≡4X10 =4X8 . =4X6(B1) R4 =6X6 B2 **≡**H0308 ≡10X14(I) ≡2.5X6 ≡6X10 ≡3X4 ≡10X10 ≡3X4 45'1"8 1'5"8 1'4"12 16'4"8 18'9"4 1'6"8_L 7'0"3 1'10"9 5'0"10 4'11"6 1'10"9 5'6"15 1'3"8 25'9"7 32'8"10 37'8" 39'6"9 45'1"8 3'6"8 17/4"8 10'11 Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) Gravity Non-Gravity Wind Std: ASCE 7-16 Pg: NA Ct: NA CAT: NA TCLL: 20.00 PP Deflection in loc L/defl L/# Loc R+ /Rh /Rw /U /RL Speed: 120 mph TCDL: 10.00 Pf: NA VERT(LL): 0.818 AB 660 240 Ce: NA Enclosure: Closed Lu: NA VERT(CL): 1.650 AB 327 BCII · 0.00 Cs: NA 180 В 3360 /-Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.166 C 3493 /-/-/-/537 EXP: C Kzt: NA Wind reactions based on MWFRS HORZ(TL): 0.336 C Des Ld: 40.00 Mean Height: 0.00 ft Brg Width = 5.5В Min Rea = 1.5**Building Code:** Creep Factor: 2.0 NCBCLL: 0.00 TCDL: 5.0 psf Brg Width = -Min Reg = -FBC 7th Ed. 2020 Res. HVHZ Max TC CSI: 0.675 Soffit: 2.00 BCDL: 5.0 psf Bearing B is a rigid surface. TPI Std: 2014 Max BC CSI: 0.890 Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 Members not listed have forces less than 375# Rep Fac: No Max Web CSI: 0.891 Spacing: 24.0 ' C&C Dist a: 3.00 ft Maximum Top Chord Forces Per Ply (lbs) Loc. from endwall: Any FT/RT:20(0)/10(0) Chords Tens.Comp. Chords Tens. Comp. Plate Type(s): GCpi: 0.18 462 - 2867 1197 - 7974 VIEW Ver: 21.01.01A.0521.20 Wind Duration: 1.60 WAVE, HS, 18SS C - D 632 - 3979 J - K 889 - 6276 Lumber **Plating Notes** D-E 641 - 4032 K-L 889 - 6276 Top chord: 2x4 SP M-31; T1 2x4 SP #2; Bot chord: 2x4 SP M-31; B2,B4,B7 2x4 SP #2; Webs: 2x4 SP #3; W2,W3,W16,W24 2x4 SP #2; All plates are 2X4 except as noted. E-F 910 - 5795 L-M 889 - 6276 (I) - plates so marked were sized using 0% Fabrication F-G 1078 - 7025 747 - 5142 M - N Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance. G-H 1116 - 7355 N - O 747 - 5142 W15 2x4 SP M-31; H - I 1207 - 8044 0 - P 435 - 2893 Nailnote Wind Maximum Bot Chord Forces Per Ply (lbs) Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @12.00" o.c. Wind loads and reactions based on MWFRS. Right end vertical not exposed to wind pressure. : 1 Row @ 4" o.c. Wind loading based on both gable #hb/lip/roof types. Use equal spacing between rows and stagger nails

in each row to avoid splitting.

Special Loads

(Lumb	er Dur.Fac.=1	.25 / Plate [Our.Fac.=1.2	25)
TC: From	63 plf at	-1.54 to	63 plf at	5.00
TC: From	32 plf at	5.00 to	32 plf at	45.12
BC: From	5 plf at	-1.54 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	5.03
BC: From	10 plf at	5.03 to	10 plf at	45.12
TC: 129	lb Conc. Load	at 5.06,19	.06,31.06,3	3.06
35.06,37.0	5,39.06,41.06,	43.06,44.56	3	
TC: 76	lb Conc. Load	at 7.06,17	.06	
TC: 48	lb Conc. Load	at 9.06,11	.06,13.06,1	5.06
TC: 139	lb Conc. Load	at 21.06,23	3.06,25.06,2	27.06
29.06				
BC: 296	lb Conc. Load	at 5.03		
BC: 115	lb Conc. Load	lat 7.06,17	.06	
BC: 133	lb Conc. Load	lat 9.06,11	.06,13.06,1	5.06
BC: 90	lb Conc. Load	at 19.06,3	1.06,33.06,3	35.06
37.06,39.0	5,41.06,43.06,	44.56		
BC: 92	lb Conc. Load	at 21.06,23	3.06,25.06,2	27.06
29.06		,	• •	



rens.Comp.	Chords	rens. (omp.
2422 - 385	W - V	6183	- 915
4330 - 691	V - U	5219	- 764
4279 - 682	U - T	5219	- 764
5897 - 927	T-S	3022	- 461
7101 - 1089	S - R	3022	- 461
7597 - 1151			
	2422 - 385 4330 - 691 4279 - 682 5897 - 927 7101 - 1089	2422 - 385 W - V 4330 - 691 V - U 4279 - 682 U - T 5897 - 927 T - S 7101 - 1089 S - R	2422 - 385 W - V 6183 4330 - 691 V - U 5219 4279 - 682 U - T 5219 5897 - 927 T - S 3022 7101 - 1089 S - R 3022

Maximum Web Forces Per Ply (lbs)

webs	rens.comp.	vvebs	rens. Comp.
C -AJ C -AG AJ-AG	323 - 1820 3506 - 562 2860 - 442	H - X X - W X - J	1398 - 182 6773 - 992 3419 - 541
AG- E	100 - 590	W - J	546 - 3270
E-AF	106 - 617	V - M	1162 - 138
E -AD	1796 - 270	M - T	177 - 803
AD- F	136 - 825	T - O	2339 - 316
F-AC	1333 - 178	O - R	272 - 1337
AC- G	90 - 617	R-P	3254 - 489
G -AA AA- H	569 - 61 201 - 1464	P-Q	285 - 1662

FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

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SEQN: 17464 / HIPM Ply: 2 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T23 / FROM: DrwNo: 242.21.1212.07014 Qty: 1 Shellev Page 2 of 2 Truss Label: D01 / YK 08/30/2021

Hangers / Ties

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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

Bearing at location x=44'10"8 uses the following support conditions: 44'10"8
Bearing Q (44'10"8, 10') HGUS26-2 Supporting Member: (2)2x6 SP 2400f-2.0E (20) 0.148"x3" nails into supporting member (6) 0.148"x3" nails into supported member.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

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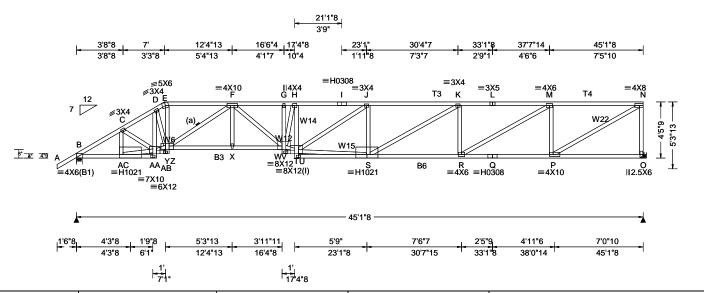
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A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

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

6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 9751 / HIPM Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T96 / FROM: Qty: 1 DrwNo: 242.21.1212.10763 Shellev Page 1 of 2 Truss Label: D02 / YK 08/30/2021



Loading C	riteria (psf)	Wind Criteria	Snow Crit	t eria (Pg.	Pf in PSF)	Defl/CSI Cri	teria		
TCLL: 2	20.00	Wind Std: ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection	n in loc	L/defl	L/#
TCDL: 1		Speed: 120 mph	Pf: NA		Ce: NA	VERT(LL):	0.477 H	999	240
BCLL: (0.00	Enclosure: Closed	Lu: NA	Cs: NA		VERT(CL):	0.986 H	547	180
BCDL: 1		Risk Category: II	Snow Dura	ation: NA		HORZ(LL):	0.130 E	-	-
Des Ld: 4	10 00	EXP: C Kzt: NA				HORZ(TL):	0.269 E	-	-
NCBCLL: 1	10 00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building C	ode:		Creep Facto	r: 2.0		
Soffit: 2		BCDL: 5.0 psf	FBC 7th E	d. 2020 F	Res. HVHZ	Max TC CSI	: 0.710	1	
Load Durati		MWFRS Parallel Dist: h/2 to h	TPI Std: 2	2014		Max BC CSI	: 0.934		
Spacing: 24	4.0 "	C&C Dist a: 4.51 ft	Rep Fac: \	Yes .		Max Web C	SI: 0.969	1	
		Loc. from endwall: not in 6.50 ft	FT/RT:20(0)/10(0)					
		GCpi: 0.18	Plate Type	e(s):					
		Wind Duration: 1.60	WAVE, HS	3		VIEW Ver: 2	1.01.01A	.0521.	20
Lumber									

Top chord: 2x4 SP #2; T3,T4 2x4 SP M-31; Bot chord: 2x4 SP #2; B3,B6 2x4 SP M-31; Webs: 2x4 SP #3; W6,W14,W22 2x4 SP #2; W12, W15 2x4 SP M-31;

Bracing

(a) Continuous lateral restraint equally spaced on member

Plating Notes

All plates are 2X4 except as noted.

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

Wind

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

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

Additional Notes

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▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 1989 /-/1087 /241 /145 1868 /-/-/922 /236 /-Wind reactions based on MWFRS Brg Width = 5.5Min Rea = 2.3Brg 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. Chords Tens. Comp. B - C 741 - 3164 1391 - 5378 C-D 928 - 3557 1391 - 5378 D-E 1001 - 3696 J-K 1249 - 5086 E-F 922 - 3339 1054 - 4451 K-L F-G 1518 - 5815 L-M 1054 - 4451

Maximum Bot Chord Forces Per Ply (lbs)

Cilolus	rens.comp.	Ciloius	rens. Comp.	
B -AC Y - X	2651 - 712 4783 - 1297	S-R R-Q	4506 - 1075 2887 - 744	
X - V U - S	4784 - 1297 444 - 103	Q-P	2887 - 744	

M - N

710 - 2785

Maximum Web Forces Per Ply (lbs)

1512 - 5791

G-H

Webs	Tens.Comp.	Webs	Ťens.	Comp.
C -AC	212 - 580	V - T	5580	- 1439
C -AA	488 - 160	H - T	476	- 1529
AC-AA	2511 - 673	T - S	4681	- 1161
AA- D	204 - 642	J - S	277	- 613
AA- Y	3123 - 849	S - K	672	- 202
D - Y	573 - 213	K-R	299	- 789
E - Y	1559 - 339	R - M	1821	- 440
Y - F	457 - 1710	M - P	495	- 1463
F-V	1333 - 313	P - N	3222	- 821
V - H	1257 - 370	N - O	536	- 1809

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SEQN: 9751 / HIPM Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T96 / FROM: Qty: 1 DrwNo: 242.21.1212.10763 Shellev Page 2 of 2 Truss Label: D02 / YK 08/30/2021

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=44'10"8 uses the following support conditions: 44'10"8
Bearing O (44'10"8, 10') HUS26
Supporting Member: (2)2x6 SP 2400f-2.0E
(14) 0.148"x3" nails into supporting member, (4) 0.148"x3" nails into supported member.

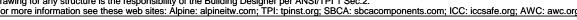


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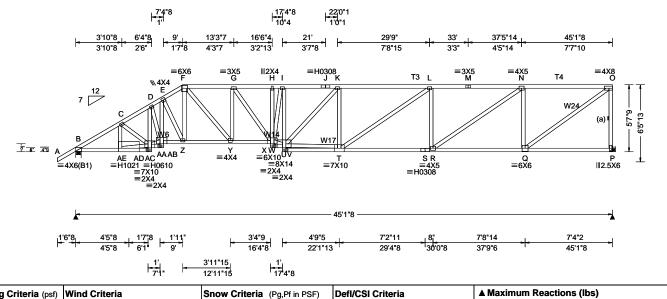
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SEQN: 9757 / HIPM Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T107 FROM: Qty: 1 DrwNo: 242.21.1212.07435 Shellev Page 1 of 2 Truss Label: D03 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.343 I 999 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.708 I 762 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.115 Q	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.237 Q	
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.717	
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.973	
Spacing: 24.0 "	C&C Dist a: 4.51 ft	Rep Fac: Yes	Max Web CSI: 0.992	
	Loc. from endwall: not in 6.50 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		4
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 21.01.01A.0521.20	
Lumber				-

Top chord: 2x4 SP #2; T3,T4 2x4 SP M-31;

Bot chord: 2x4 SP #2:

Webs: 2x4 SP #3; W6,W14,W17,W24 2x4 SP #2;

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

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

Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria				
Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#				
Pf: NA Ce: NA	VERT(LL): 0.343 I 999 240				
Lu: NA Cs: NA	VERT(CL): 0.708 I 762 180				
Snow Duration: NA	HORZ(LL): 0.115 Q				
	HORZ(TL): 0.237 Q				
Building Code:	Creep Factor: 2.0				
FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.717				
TPI Std: 2014	Max BC CSI: 0.973				
Rep Fac: Yes	Max Web CSI: 0.992				
FT/RT:20(0)/10(0)					
Plate Type(s):					
WAVE HS	VIEW Ver: 21.01.01A.0521.20				

PRO:

Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 1989 /-/1110 /235 /179 1868 /-/-/929 /239 /-Wind reactions based on MWFRS В Brg Width = 5.5Min Rea = 2.3Brg 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. Chords Tens. Comp. 1089 705 - 3167 1000 - 4085

0-0	002 - 3000	3 - IX	1003	- +000
D-E	987 - 3758	K-L	1010	- 3977
E-F	889 - 3314	L - M	864	- 3565
F-G	1008 - 3671	M - N	864	- 3565
G - H	1159 - 4307	N - O	566	- 2223
H - I	1155 - 4293			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. (Comp.
B -AE	2653 - 715	T - S	3606	- 881
AA- Z	3233 - 890	S - R	3606	- 881
Z - Y	2857 - 789	R-Q	2303	- 593
Y - W	3742 - 1032			

Maximum Web Forces Per Ply (lbs)

vvebs	rens.Comp.	webs	rens. Comp.
C -AE	214 - 589	W - I	847 - 269
C -AC	482 - 150	W - U	4208 - 1117
AE-AC	2515 - 677	I - U	353 - 1027
AC- D	239 - 763	U - T	3714 - 947
AC-AA	3134 - 860	K - T	265 - 526
D -AA	507 - 149	T-L	454 - 158
AA- E	969 - 253	L-R	305 - 750
E-Z	223 - 843	R - N	1554 - 388
F-Z	479 - 85	N - Q	497 - 1452
F-Y	1250 - 350	Q-0	2749 - 700
Y - G	358 - 1055	O - P	537 - 1809
G - W	979 - 230		

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SEQN: 9757 / HIPM Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T107 FROM: Qty: 1 DrwNo: 242.21.1212.07435 Shellev Page 2 of 2 Truss Label: D03 / YK 08/30/2021

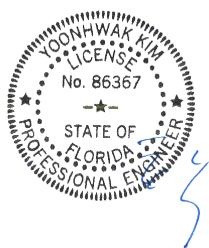
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Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage

Bearing at location x=44'10"8 uses the following support conditions: 44'10"8
Bearing P (44'10"8, 10') HUS26
Supporting Member: (2)2x6 SP 2400f-2.0E
(14) 0.148"x3" nails into supporting member. (4) 0.148"x3" nails into supported member.

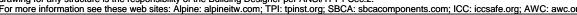


FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

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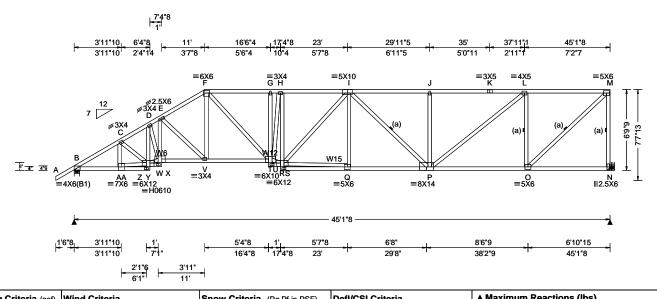
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SEQN: 10258 / HIPM Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T103 FROM: Qty: 1 DrwNo: 242.21.1212.11935 Shellev Page 1 of 2 Truss Label: D04 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.275 G 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.567 G 951 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.101 O
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.210 O
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.979
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.930
Spacing: 24.0 "	C&C Dist a: 4.51 ft	Rep Fac: Yes	Max Web CSI: 0.962
	Loc. from endwall: not in 6.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 21.01.01A.0521.20

Lumber

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

Webs: 2x4 SP #3; W6,W12,W15 2x4 SP #2;

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

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

	I ▲ IVI	axımu	ım Keac	tions ((IDS)		
		G	ravity		N	on-Grav	/ity
40	Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL
80	В	1989	/-	/-	/1132	/228	/214
-		1868		<i>-</i>	/937	/243	/-
-	Win	d reac	tions bas	sed on	MWFRS		
	В	Brg W	/idth = 5	.5	Min Re	q = 2.3	
	N	Brg W	/idth = -		Min Re	eq = -	
	Bea	ring B	is a rigio	l surfac	ce.		
	Men	nbers	not listed	have	forces les	s than 3	375#
	Max	timum	Top Ch	ord Fo	orces Per	Ply (lb	s)
	Cho	rds T	ens.Con	np.	Chords	Tens.	Comp.
	В-0	С	665 - 3°	169	H-I	911	- 3311
	^I С - I	Ď	840 - 3	528	I-J	730	- 2941
	D - I	E	940 - 37	749	J - K	730	- 2941
	E - I	F	816 - 3	128	K-L	730	- 2941
	F - 0	3	958 - 34	452	L - M	444	- 1742
	G - I	Н	955 - 34	14 3			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.		
B -AA	2655	- 717	Q-P	3260	- 846	
W - V	3235	- 890	P-0	1808	- 467	
V - T	2663	- 737				

Maximum Web Forces Per Ply (lbs)

vvebs	rens.comp.		webs	rens. Comp	
C -AA	219	- 609	T - H	657	- 218
C - Y	492	- 151	T - R	3435	- 931
AA- Y	2525	- 681	H - R	334	- 884
Y - D	236	- 763	R - Q	3014	- 788
Y - W	3136	- 858	I-P	161	- 441
D - W	552	- 170	J - P	204	- 467
W - E	759	- 179	P - L	1463	- 378
E - V	213	- 800	L-O	505	- 1470
F - V	457	- 27	O - M	2392	- 610
F-T	1132	- 337	M - N	534	- 1815

FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

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SEQN: 10258 / HIPM Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T103 FROM: Qty: 1 DrwNo: 242.21.1212.11935 Shellev Page 2 of 2 Truss Label: D04 / YK 08/30/2021

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 connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Additional connection required to evenly distribute hanger reaction throughout all plies of supporting girder.

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=44'10"8 uses the following Bearing At location x=44*10*8 support conditions: 44*10*8
Bearing N (44*10*8, 10*) HUS26
Supporting Member: (2)2x6 SP 2400f-2.0E
(14) 0.148*x3* nails into supporting member,
(4) 0.148"x3" nails into supported member.

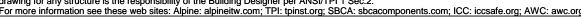


FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

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SEQN: 17405 / HIPM Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T82 / Plv: 1 FROM: DrwNo: 242.21.1212.09326 Qty: 1 Shellev Truss Label: D05 08/30/2021 / YK 4'5"4 7'2"15 13' 20'3"15 34'9"8 37' 40'0"13 45'1"8 2'4"6 2'2"8 3'0"13 4'5"4 2'9"11 5'9"1 7'3"15 4'8"1 7'5"2 5'0"11 =6X6 =3<u>X</u>4 =H0308 =4X4 **||12X4** ≡3X5 ≡3X4 K =3X4 //3X4 D 5'11 13 8'9" N ≡3X4 M ∥2.5X6 4"9 U T ≡3X6 ≡3X4 V ∥2X4 R ≡H0308 €3X6(B1) =7X8 Ⅲ3X6 34'9"8 10'4" 7'1"3 4'10"13 7'0"7 3'11"9 3'2"10 7'8"10 5'5"1 4'9"3 13 20'0"7 27'2"10 34'11"4 40'4"5 45'1"8 7'1"3 12' 24 Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) Non-Gravity Wind Std: ASCE 7-16 Pg: NA Gravity Ct: NA CAT: NA TCLL: 20.00 PP Deflection in loc L/defl L/# Loc R+ /Rh /Rw /U /RL Speed: 120 mph TCDL: 10.00 Pf: NA VERT(LL): 0.083 T 999 240 Ce: NA Enclosure: Closed VERT(CL): 0.172 T BCII: 0.00 Lu: NA Cs: NA 180 999 В 1456 /-/891 /137 /249 Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.033 P 2342 /-/1216 /323 /-/-EXP: C Kzt: NA М 231 /-125 /-/52 /24 HORZ(TL): 0.068 P Des Ld: 40.00 Mean Height: 15.00 ft Wind reactions based on MWFRS **Building Code:** Creep Factor: 2.0 NCBCLL: 10.00 TCDL: 5.0 psf Brg Width = 5.5 Min Req = 1.7 FBC 7th Ed. 2020 Res. HVHZ Max TC CSI: 0.698 Soffit: 2.00 Brg Width = 3.5BCDL: 5.0 psf Min Req = 2.8 TPI Std: 2014 Max BC CSI: 0.650 Load Duration: 1.25 MWFRS Parallel Dist: h/2 to h Brg Width = -М Min Rea = Rep Fac: Yes Max Web CSI: 0.911 Spacing: 24.0 ' C&C Dist a: 4.51 ft Bearings B & P 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 VIEW Ver: 21.01.01A.0521.20 WAVE, HS Chords Tens.Comp. Chords Tens. Comp. Lumber Wind B - C 368 - 2157 G - H 195 - 789 Wind loads based on MWFRS with additional C&C Top chord: 2x4 SP #2; C-D 384 - 2027 H - I 642 - 176 Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; member design D-E 408 - 1683 I - J 642 - 177 Right end vertical not exposed to wind pressure. F-F 386 - 1353 .I - K 642 - 177 Wind loading based on both gable and hip roof types. F-G 195 - 789 **Bracing** (a) Continuous lateral restraint equally spaced on **Additional Notes** Maximum Bot Chord Forces Per Ply (lbs) member. WARNING: Furnish a copy of this DWG to the Chords Tens.Comp. Chords Tens. Comp. installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below:

No. 86367

STATE OF

ORIDA installation contractor. Special care must be taken Hangers / Ties B-V 1767 - 481 T-S 1373 - 393 Simpson Construction Hardware is specified based on V - U - 482 1347 - 388 1765 S - R the most current information provided by Simpson R - Q U - T 1765 - 482 1347 -388 Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information. Maximum Web Forces Per Ply (lbs) Recommended connection based on manufacturer Webs Tens.Comp. Webs Tens. Comp. tested capacities and calculations. Conditions may exist that require different connections than indicated. D - T 127 - 486 H - O 459 - 1742 Refer to manufacturer publication for additional E - T 1-0 - 414 477 - 11 195 information. Additional connection required to evenly F-Q - 844 0 - P - 2278 289 626 distribute hanger reaction throughout all plies of Q - H - 76 O - K supporting girder. 619 221 - 787 Q - Q805 - 205 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

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

Bearing at location x=44'10"8 uses the following support conditions: 44'10"8

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

Bearing M (44'10"8, 12') LUS26

(3) 0.148"x3" nails into supported

member

member.

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 17400 / HIPS Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T98 / FROM: Qty: 1 DrwNo: 242.21.1212.10951 Shellev Page 1 of 2 Truss Label: D06 / YK 08/30/2021 4'8"8 8'6"12 15' 21'8"12 28'3"12 34'9" 39'9' 45'1"8 4'8"8 3'10"4 6'5"4 6'8"12 1'3"12 6'5"4 5'4"8 ≡H0308 G =6X6 ≥5X6 ⊯2.5X6 D ∕ (a) ⊌H0308 ∥2X4 R Q ≡H0308 P ≡3X8 U ∥2X4 ≝2.5X6(A1)

21'11"8

		_				
1'6"8	8'5" _{_ _} 3'7"	_l_ 3' _l_	6'5 " 4	1'6" 5'2"	12	6'9"4
-	8'5" 12'	15'	21'5"4	22'11"4 28'2	2" 7"	34'11"4
Loading Criteria (psf)	Wind Criteria	Snow Cri	teria (Pg,Pf in PSF)	Defl/CSI Crit	eria	•
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA	Ct: NA CAT: NA	PP Deflection	n in loc L/defl l	
TCDL: 10.00	Speed: 120 mph	Pf: NA	Ce: NA	VERT(LL): (0.028 F 999	240 L
BCLL: 0.00	Enclosure: Closed	Lu: NA	Cs: NA	VERT(CL): (0.057 F 999	180 B
BCDL: 10.00	Risk Category: II	Snow Dur	ation: NA	HORZ(LL): (0.013 B -	- B
Des Ld: 40.00	EXP: C Kzt: NA			HORZ(TL): (0.027 B -	- C
NCBCLL: 10.00	Mean Height: 15.00 ft	Building C	ode:	Creep Factor	: 2.0	L
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	FBC 7th E	d. 2020 Res. HVHZ	Max TC CSI:	0.769	V
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std:	2014	Max BC CSI:	0.616	B
Spacing: 24.0 "	C&C Dist a: 4.51 ft	Rep Fac: `	Yes	Max Web CS	I: 0.541	В
opusg. =s	Odo Dist a. 4.01 it	l				C

Plate Type(s):

WAVE, HS

▲ Maximum Reactions (lbs), or *=PLF							
G	ravity		No	on-Gra	vity		
R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
565	/-	/-	/342	/-	/216		
103	/-	/-	/64	/2	/-		
1723	/-	/-	/911	/62	/-		
346	/-	/-	/218	/-	/-		
nd read	tions b	ased on I	MWFRS				
Brg V	Vidth =	5.5	Min Re	q = 1.5	5		
Brg V	Vidth =	148	Min Re	q = -			
Brg V	Vidth =	3.5	Min Re	q = 2.0)		
Brg V	Vidth =	-	Min Re	q = -			
Bearings B, B, & O are a rigid surface.							
Members not listed have forces less than 375#							
Maximum Top Chord Forces Per Ply (lbs)							
	GE R+ 565 103 1723 346 and reace Brg V Brg V Brg V Brg W Brg W arings I mbers	Gravity CR+ /R- 565 /- 103 /- 1723 /- 346 /- nd reactions b Brg Width = Brg Bry	Gravity C R+ /R- /Rh 565 /- /- 103 /- /- 1723 /- /- 346 /- /- nd reactions based on I Brg Width = 5.5 Brg Width = 148 Brg Width = 3.5 Brg Width = - arings B, B, & O are a r mbers not listed have for	Gravity No. 1	Gravity Non-Gravity Non-Gravity R+ /R- /Rh /Rw /U 565 /- /- /342 /- 103 /- /- /64 /2 1723 /- /- /911 /62 346 /- /- /218 /- nd reactions based on MWFRS Brg Width = 5.5 Min Req = - Brg Width = 3.5 Min Req = - Brg Width = - Min Req = - Brg Width = - Min Req = - Brg Width = - Arings B, B, & O are a rigid surface. Indicate the second of the		

5'1"

45'1"8

10'4'

5'1"4

40'0"8

Tens. Comp. Chords Tens.Comp. Chords B - C F-G 271 54 - 408 - 586 D-E 300 - 893 G-H 271 - 586

F-F 347 - 830 Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp		
S - R R - Q	669 - 111 832 - 163	Q - P	832	- 163	

Maximum Web Forces Per Ply (lbs)

******	r cha.comp.	******	rens. comp.
U-D D-S	333 - 1072 611 - 111	H - N I - N	336 - 1075 141 - 397
F-P	160 - 428	N - O	467 - 1668
P - H	402 - 32	N - J	135 - 465
P - N	601 - 102		

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on

12'4"8

GCpi: 0.18

Wind Duration: 1.60

Loc. from endwall: not in 13.00 ft FT/RT:20(0)/10(0)

Plating Notes

All plates are 3X4 except as noted.

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

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



VIEW Ver: 21.01.01A.0521.20

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

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SEQN: 17400 / HIPS Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T98 / FROM: Qty: 1 DrwNo: 242.21.1212.10951 Shellev Page 2 of 2 Truss Label: D06 / YK 08/30/2021

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 connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Additional connection required to evenly distribute hanger reaction throughout all plies of supporting girder.

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=44'10"8 uses the following Bearing At location x=44*10*8 support conditions: 44*10*8 Bearing L (44*10*8, 12*) LUS26 Supporting Member: (2)2x6 SP 2400f-2.0E (4) 0.148"x3" nails into supporting member,
(3) 0.148"x3" nails into supported



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

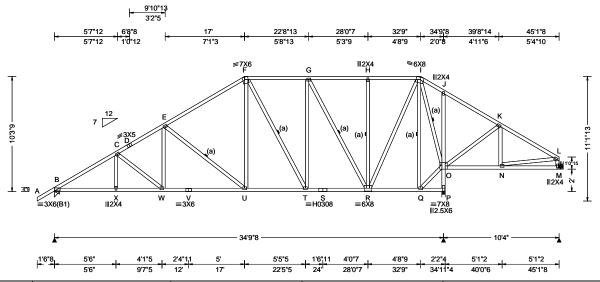
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SEQN: 17393 / HIPS Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T95 / FROM: Qty: 1 DrwNo: 242.21.1212.09592 Shelley Page 1 of 2 Truss Label: D07 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Ţ.
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	Wind Std: ASCE 7-16 Speed: 120 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: h to 2h C&C Dist a: 4.51 ft	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Yes	PP Deflection in loc L/defl L/# VERT(LL): 0.087 W 999 240 VERT(CL): 0.181 W 999 180 HORZ(LL): 0.033 Q HORZ(TL): 0.070 Q Creep Factor: 2.0 Max TC CSI: 0.554 Max BC CSI: 0.674 Max Web CSI: 0.737 VIEW Ver: 21.01.01A.0521.20	1
Lumber				

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 1504 /-/926 /13 /244 2144 /-/-/1108 /26 /-М 298 /193 /36 Wind reactions based on MWFRS Brg Width = 5.5 Min Req = 1.8 Brg Width = 3.5 Min Req = 2.5 Brg Width = м Min Rea = Bearings B & P 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.

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

Bracing

(a) Continuous lateral restraint equally spaced on

Plating Notes

All plates are 3X4 except as noted.

Wind

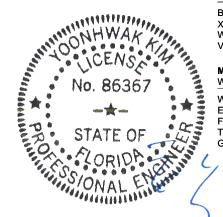
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

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Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	comp.	Chords	Tens. (Comp.
3 - X	1882	- 353	U - T	1177	- 185
(- W	1881	- 354	T-S	1020	- 175
V - V	1675	- 307	S - R	1020	- 175
/ - U	1675	- 307			

G - H

H - I

I-J

.I - K

310

310

389

436

- 644

- 644

- 26

0

Maximum Web Forces Per Ply (lbs)

393 - 2276

404 - 2000

422 - 1964

419 - 1478

399 - 1031

B - C

C-D

D-E

F-F

F-G

Webs	Tens.Comp.		Webs	Tens.	Comp.
W-E	381	0	R - I	1283	- 320
E - U	162	- 640	1-0	369	- 1528
F-U	575	- 34	0 - P	459	- 2129
T - G	413	-4	0 - K	123	- 455
G - R	215	- 811			

FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

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SEQN: 17393 / HIPS Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T95 / FROM: Qty: 1 DrwNo: 242.21.1212.09592 Shellev Page 2 of 2 Truss Label: D07 / YK 08/30/2021

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 connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Additional connection required to evenly distribute hanger reaction throughout all plies of supporting girder.

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=44'10"8 uses the following Bearing At location x=44*10*8 support conditions: 44*10*8 Bearing M (44*10*8, 12*) LUS26 Supporting Member: (2)2x6 SP 2400f-2.0E (4) 0.148*x3* nails into supporting member,
(3) 0.148"x3" nails into supported member.

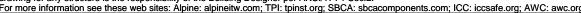


FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

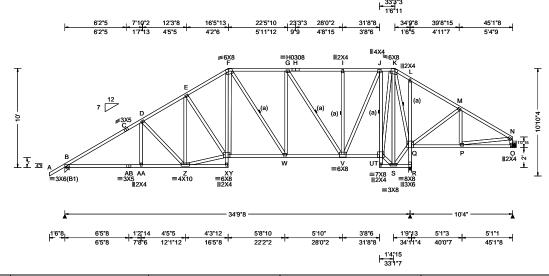
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SEQN: 17388 / HIPS Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T21 / Qty: 4 FROM: DrwNo: 242.21.1212.08435 Shellev Page 1 of 2 Truss Label: D08 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.110 X 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.215 X 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.053 S
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.105 S
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.706
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.645
Spacing: 24.0 "	C&C Dist a: 4.51 ft	Rep Fac: Yes	Max Web CSI: 0.635
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 21.01.01A.0521.20
Lumber			

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 1582 /919 /15 /237 2351 /-/-/1130 /31 /-267 /-18 /188 /53 Wind reactions based on MWFRS Brg Width = 5.5 Min Req = 1.9 Brg Width = 3.5 Min Req = 2.8 Brg Width = -O Min Rea = Bearings B & R are a rigid surface. Members not listed have forces less than 375# **Maximum Top Chord Forces Per Ply (lbs)** Chords Tens.Comp. Chords Tens. Comp.

B - C - 803 407 - 2372 G - H 329 C-D 416 - 2186 H - I 329 - 803 D-E 448 - 1964 329 I - J - 803 484 - 1819 453

Bracing

(a) Continuous lateral restraint equally spaced on

Plating Notes

Top chord: 2x4 SP #2;

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

All plates are 3X4 except as noted.

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

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

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

Additional Notes

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

F-G	439 - 1361	L - M	524	- 11
Maximu	ım Bot Chord F	Forces Per	Ply (lbs)	
Chords	Tens.Comp.	Chords	Tens. C	omp.

B-AB 1945 - 350 X - W 1509 - 235 AB-AA 1945 - 350 W - V 1345 - 225 AA-Z 1943

Maximum Web Forces Per Ply (lbs)

vvebs	rens.comp.	webs	rens. Comp.
D-Z	124 - 471	J - T	351 - 1390
Z - X	1668 - 276	T - K	1436 - 301
X - F	781 - 92	K - Q	363 - 1799
W - G	471 0	Q - R	453 - 2329
G - V	225 - 1016	Q - M	120 - 464
V - J	1397 - 301		

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SEQN: 17388 / HIPS Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T21 / FROM: Qty: 4 DrwNo: 242.21.1212.08435 Shellev Page 2 of 2 Truss Label: D08 / YK 08/30/2021

Hangers / Ties

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Recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Additional connection required to evenly distribute hanger reaction throughout all plies of supporting girder.

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=44'10"8 uses the following Bearing At location x=44*10*8 support conditions: 44*10*8 Bearing O (44*10*8, 12*) LUS26 Supporting Member: (2)2x6 SP 2400f-2.0E (4) 0.148*x3* nails into supporting member,
(3) 0.148"x3" nails into supported member.



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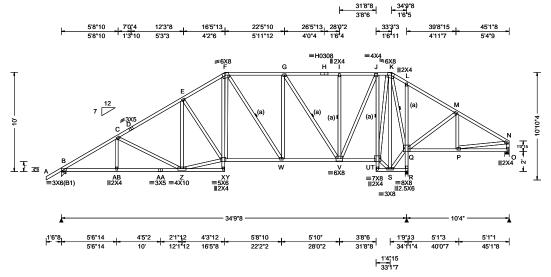
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SEQN: 17375 / SPEC Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T114 FROM: Qty: 1 DrwNo: 242.21.1212.06810 Shellev Truss Label: D09 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.097 X 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.202 X 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.047 S
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.098 S
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.511
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.652
Spacing: 24.0 "	C&C Dist a: 4.51 ft	Rep Fac: Yes	Max Web CSI: 0.582
' '	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 21.01.01A.0521.20
Lumber	•		•

		▲ M	laximu	ım Re	actions (II	bs)		
L/#			G	ravity	-	No	n-Gra	vity
)	240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/R
)	180	В	1490	/-	/-	/915	/15	/23
	-	R	2199	/-	/-	/1146	/33	/-
	-	0	280	/-13	/-	/182	/57	/-
		Wir	nd reac	tions b	ased on N	MWFRS		
		В	Brg W	/idth =	5.5	Min Re	q = 1.8	3
		R	Brg W	/idth =	3.5	Min Re	q = 2.6	õ
		0	Brg W	/idth =	5.5	Min Re	q = 1.5	5
		Bea	irings E	3, R, &	O are a r	igid surfa	ce.	
		Mei	mbers	not list	ed have fo	orces less	than	375#
_		Max	kimum	Top (Chord For	rces Per	Ply (lb	s)
1	20	Cho	arde T	one C	omn (^horde	Tone	Ċom

Tens. Comp. Chords Tens.Comp. Chords B - C 410 - 2286 G - H 325 -693 397 - 1825 H - I 325 - 693 I - J -693

/RL

/237 /-/33 /57

C-D 428 - 1781 325 D-E 488 - 1628 442 F-F K - I 0 - 14 F-G 436 - 1170 L-M 514

Top chord: 2x4 SP #2;

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

(a) Continuous lateral restraint equally spaced on

Plating Notes

All plates are 3X4 except as noted.

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

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



Maximum Bot Chord Forces Per Ply (lbs)

Cnoras	rens.Con	np.	Chords	rens. (Jomp.
B -AB	1899 -:	373	X - W	1327	- 232
AB-AA AA- Z	1897 -: 1897 -:		W - V	1159	- 223

Maximum Web Forces Per Ply (lbs) Webs

4 A CD3	16113.0	onip.	VV CD3	i Giio.	Comp.
C-Z	121	- 463	J - T	353	- 1246
Z - X	1527	- 280	T - K	1283	- 300
X - F	732	- 108	K-Q	374	- 1668
W - G	412	0	Q - R	459	- 2175
G - V	227	- 875	Q - M	121	- 463
V - I	1232	- 303			

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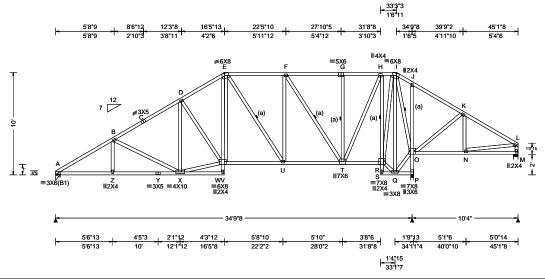
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SEQN: 17385 / SPEC Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T116 FROM: Qty: 4 DrwNo: 242.21.1212.11029 Shelley Truss Label: D10 / YK 08/30/2021



Loading Criteria (psf) Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Γ,
TCLL: 20.00 Wind Std: ASCE 7-16 TCDL: 10.00 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.19 ft TCDL: 5.0 psf BCDL: 10.00 Soffit: 2.00 BCDL: 5.0 psf Load Duration: 1.25 Spacing: 24.0 "Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.19 ft TCDL: 5.0 psf BCDL: 5.0 psf BCDL: 5.0 psf C&C Dist a: 4.51 ft Loc. from endwall: not in 13.00	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Yes t FT/RT:20(0)/10(0)	DefI/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.114 V 999 240 VERT(CL): 0.223 V 999 180 HORZ(LL): 0.055 Q HORZ(TL): 0.109 Q Creep Factor: 2.0 Max TC CSI: 0.518 Max BC CSI: 0.643 Max Web CSI: 0.646	
GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): WAVE	VIEW Ver: 21.01.01A.0521.20	

▲ M	▲ Maximum Reactions (lbs)						
	G	ravity	No	n-Grav	/ity		
Loc	R+	/ R-	/Rh	/Rw	/ U	/ RL	
Α	1470	/-	/-	/832	/8	/222	
Р	2375	/-	/-	/1147	/35	/-	
М	258	/-34	/-	/181	/56	/-	
Win	d reac	tions ba	sed on I	MWFRS			
Α	Brg W	/idth = 5	.5	Min Red	q = 1.7	•	
Р	Brg W	/idth = 3	.5	Min Red	q = 2.8		
М	Brg W	/idth = 5	.5	Min Red	q = 1.5	;	
Bea	rings A	A, P, & N	1 are a r	igid surfa	ce.		
Men	Members not listed have forces less than 375#						
Max	imum	Top Ch	ord Fo	rces Per	Ply (lb:	s)	
Cho	rds T	ens.Cor	np.	Chords	Tens.	Ćomp.	

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on

Plating Notes

All plates are 3X4 except as noted.

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

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

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

Additional Notes

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

A - B B - C	433 - 2481 415 - 2006	F-G G-H	326 326	- 790 - 790
C - D	436 - 1913	I - J	479	0
D - E	494 - 1831	J - K	551	- 13
E-F	441 - 1354			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	comp.	Chords	Tens. 0	Comp.
A - Z Z - Y Y - X	2072 2070 2070		V - U U - T	1503 1338	

Maximum Web Forces Per Ply (lbs)

vvebs	rens.Comp.	webs	rens. Comp.
B - X	131 - 482	H-R	356 - 1401
X - V	1696 - 286	R - I	1434 - 302
V - E	821 - 110	I - O	374 - 1837
U-F	473 0	0 - P	461 - 2351
F-T	231 - 1028	O - K	120 - 467
T - H	1404 - 305		

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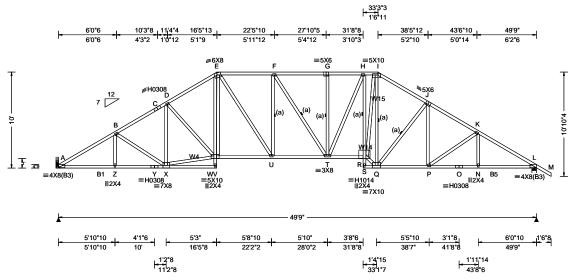
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SEQN: 10264 / COMN Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T22 / FROM: Qty: 2 DrwNo: 242.21.1212.09623 Shellev Page 1 of 2 Truss Label: D11 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Ī
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.344 G 999 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.662 G 897 180	ı
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.175 L	
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.336 L	
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.684	
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.988	
Spacing: 24.0 "	C&C Dist a: 4.98 ft	Rep Fac: Yes	Max Web CSI: 0.864	
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		4
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 21.01.01A.0521.20	
Lumber	·	<u> </u>	·	-

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; B1,B5 2x4 SP M-31; Webs: 2x4 SP #3; W4,W14,W15 2x4 SP #2;

(a) Continuous lateral restraint equally spaced on member

Plating Notes

All plates are 3X4 except as noted.

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

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

Wind loading based on both gable and hip roof types.

Additional Notes

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▲ Maximum Reactions (lbs) Gravity

Ď-Ē

E-F

F-G

Ciavity			1 ton Olavity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Α	2224	/-	/-	/1187	/-	/256
L	2340	/-	/-	/1271	/-	/-
Win	d read	tions ba	ased or	MWFRS		
Α	Brg V	/idth = ·	-	Min Re	q = -	
L	Brg V	/idth = :	5.5	Min Req = 1.9		
Bea	ring L	is a rigi	id surfa	ce.		
Men	nbers	not liste	ed have	forces less	than :	375#
Max	imum	Top C	hord F	orces Per	Ply (lb	s)
Cho	rds T	ens.Co	mp.	Chords	Tens.	Comp.
A - I	R	690 - :	3883	G-H	764	- 3209
B-6				H-I	720	- 3047
C - I	D	707 -:		I - J	711	

J - K

K-L

Non-Gravity

- 3515

700

668 - 3849

Maximum Bot Chord Forces Per Ply (lbs)

769 - 3515

771 - 3265

764 - 3209

Chords	Tens.C	Comp.	Chords	Tens. (Comp.
A - Z	3268	- 498	T-R	3069	- 380
Z - Y	3267	- 499	Q-P	2956	- 387
Y - X	3267	- 499	P-0	3230	- 457
V - U	2953	- 372	O - N	3230	- 457
U - T	3274	- 450	N - L	3231	- 456

Maximum Web Forces Per Ply (lbs)

webs	i ens.C	omp.	vvebs	rens. (Jomp.
X - V	3010	- 416	R-Q	3478	- 401
V - E	902	- 100	R - I	2964	- 460
E - U	575	- 170	Q - I	228	- 1735
T - H	379	- 140	Q - J	144	- 615

FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

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SEQN: 10264 / COMN Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T22 / FROM: DrwNo: 242.21.1212.09623 Qty: 2 Shellev Page 2 of 2 Truss Label: D11 / YK 08/30/2021

Hangers / Ties

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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 Bearing at location x=0* uses the following support conditions: 0'
Bearing A (0', 10') HUS26
Supporting Member: (2)2x6 SP 2400f-2.0E (14) 0.162"x3.5" nails into supporting member (4) 0.162"x3.5" nails into supported member.



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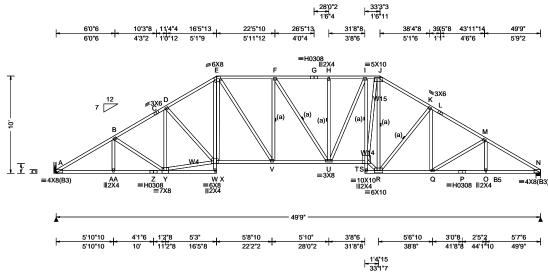
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SEQN: 10266 / HIPS Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T48 / Qty: 1 FROM: DrwNo: 242.21.1212.11748 Shelley Page 1 of 2 Truss Label: D12 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.293 H 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.608 H 975 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.151 N
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.314 N
NCBCLL: 10.00	Mean Height: 15.19 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.533
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.975
Spacing: 24.0 "	C&C Dist a: 4.98 ft	Rep Fac: Yes	Max Web CSI: 0.778
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 21.01.01A.0521.20

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; B5 2x4 SP M-31; Webs: 2x4 SP #3; W4,W14,W15 2x4 SP #2;

(a) Continuous lateral restraint equally spaced on

Plating Notes

All plates are 3X4 except as noted.

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

Wind loading based on both gable and hip roof types.

Additional Notes

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



▲ Maxir	mum Rea	actions	(lbs)		
-	Gravity			on-Gra	vity
Loc R	⊦ /R-	/ Rh	/ Rw	/ U	/ RL
A 206	8 /-	/-	/1187	· /-	/230
		/-	/1188		/-
Wind re	actions b	ased or	MWFRS		
A Brg	Width =	-	Min Req = - Min Req = 1.7		
N Brg	Width =	5.5			
Bearing	N is a riç	gid surfa	ice.		
Membe	rs not list	ed have	forces les	s than	375#
Maximu	ım Top (Chord F	orces Per	Ply (lb	s)
Chords	Tens.C	omp.	Chords	Tens.	Comp.
A - B	692 -	3589	H-I	776	- 2894
B-C		3216	i - J	731	
C - D	709 -	3078	J - K	718	- 2798
D-E	776 -	3166	K-L	707	- 3073
F-F	778 -	2011	I - M	702	- 3210

Maximum Bot Chord Forces Per Ply (lbs)

776 - 2894

776 - 2894

F-G

G-H

Choras	rens.comp.		Choras	rens. Comp.	
A -AA AA- Z	3015	- 528 - 529	U-S R-Q	2777 2699	- 438 - 444
Z - Y	3014	- 529	Q-P	3013	- 530
W - V V - U		- 406 - 485	P - O O - N	3013 3015	- 530 - 528

M - N

689 - 3585

Maximum Web Forces Per Ply (lbs)

Webs	ebs Tens.Comp. Web		Tens. Comp.
Y - W	2736 - 447	7 S-J	2659 - 502
W - E	808 - 103	3 R-J	261 - 1563
E - V	477 - 17	I R-K	149 - 578
S-R	3133 - 468	3	

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SEQN: 10266 / HIPS Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T48 / FROM: DrwNo: 242.21.1212.11748 Qty: 1 Shellev Page 2 of 2 Truss Label: D12 / YK 08/30/2021

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 Bearing at location x=0* uses the following support conditions: 0'
Bearing A (0', 10') HUS26
Supporting Member: (2)2x6 SP 2400f-2.0E (14) 0.162"x3.5" nails into supporting member (4) 0.162"x3.5" nails into supported member.



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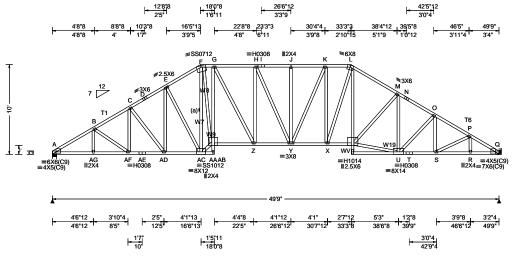
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SEQN: 17337 / COMN Ply: 2 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T44 / FROM: DrwNo: 242.21.1212.07951 Qty: 1 Shellev Truss Label: D13 / YK 08/30/2021

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.394 H 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.777 H 764 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.191 Q
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.375 Q
NCBCLL: 0.00	Mean Height: 15.19 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.676
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.812
Spacing: 24.0 "	C&C Dist a: 4.98 ft	Rep Fac: No	Max Web CSI: 0.824
-	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS, 18SS	VIEW Ver: 21.01.01A.0521.20

Lumber

Top chord: 2x4 SP #2; T1,T6 2x4 SP M-31; Bot chord: 2x4 SP M-31; Webs: 2x4 SP #3; W7 2x4 SP #2; W8,W9, Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Nailnote

Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @ 7.50" o.c. :1 Row @ 4" o.c.

BC: 393 lb Conc. Load at 48.56

Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

(L	umber	Dur.Fac.:	=1.25	/ Plate	Dur.Fa	c.=1.2	25)
TC: I	From	63 plf a	t O	.00 to	63 p	olf at	16.4
TC: I	From	32 plf a	t 16	.49 to	32 r	olf at	33.2
TC: I	From	63 plf a	t 33	.26 to	63 r	olf at	49.7
BC: I	From	10 plf a	it C	0.00 to	10 p	olf at	49.7
BC:	249 lb	Conc. Lo	ad at	0.56, 2	2.56, 4 [.]	56, 6.	56
BC:	362 lb	Conc. Lo	ad at	8.56,1	0.56,12	2.56,1	4.56
16.56							
BC:	414 lb	Conc. Lo	ad at	18.56,2	20.56,2	2.56,2	24.56
26.56,	28.56,3	0.56				-	
BC:	354 lb	Conc. Lo	ad at	32.56			
BC:	464 lb	Conc. Lo	ad at	34.56,3	36.56,3	8.56,4	10.56
42.56.	44.56.4	6.56					

Plating Notes

All plates are 3X4 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

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

Additional Notes

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▲ Maximum Reactions (lbs) Gravity

Lo	c R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
Α	6033	/-	/-	/-	/4	/-	
Q	6777	/-	/-	/-	/151	/-	
Wind reactions based on MWFRS							
Α	Brg V	Vidth =	5.5	Min Re	q = 2.5	5	
Q	Brg V	Vidth =	-	Min Re	q = -		

Non-Gravity

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

Onlords	r cris.comp.	Onlords	10113.	Comp.
A - B	16 - 5184	I - J	44	- 4524
B - C	13 - 4986	J - K	44	- 4524
C - D	14 - 4599	K-L	65	- 4346
D - E	6 - 4573	L - M	103	- 4899
E-F	20 - 4159	M - N	90	- 5050
F-G	14 - 4222	N - O	105	- 5099
G - H	27 - 4476	O - P	118	- 5619
H - I	44 - 4524	P - Q	125	- 5859

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.	
A -AG	4414	-6	Y - X	4360	-64
AG-AF	4410	-6	X - V	4174	- 79
AF-AE	4272	-4	U - T	4815	- 95
AE-AD	4272	-4	T - S	4815	- 95
AD-AC	3922	-5	S - R	4975	- 103
AA-Z	4260	- 16	R-Q	4983	- 102
7 V	4400	20			

Maximum Web Forces Per Ply (lbs)

Tens.Comp.		Webs	Tens. Com	
487	0	G-Z	531	- 27
0	- 551	Y - K	412	0
772	0	K - X	0	- 405
0	- 758	X - L	643	0
50	- 2095	L-V	1703	- 51
4082	- 36	V - U	4392	- 87
4794	-9	U - O	18	- 642
38	- 434	O-S	572	0
	487 0 772 0 50 4082 4794	487 0 0 -551 772 0 0 -758 50 -2095 4082 -36 4794 -9	487 0 G - Z 0 - 551 Y - K 772 0 K - X 0 - 758 X - L 50 - 2095 L - V 4082 - 36 V - U 4794 - 9 U - O	487 0 G - Z 531 0 - 551 Y - K 412 772 0 K - X 0 0 - 758 X - L 643 50 - 2095 L - V 1703 4082 - 36 V - U 4392 4794 - 9 U - O 18

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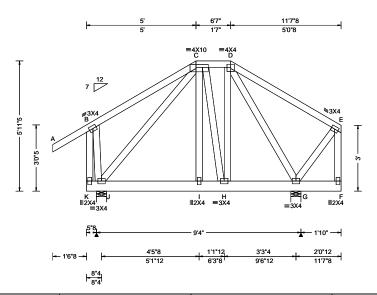
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SEQN: 392977 / HIPS Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T87 / FROM: Qty: 1 DrwNo: 242.21.1212.10545 Shelley Truss Label: E01 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 18.03 ft TCDL: 5.0 psf BCDL: 5.0 psf BCDL: 5.0 psf CWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.009 I 999 240 VERT(CL): 0.018 I 999 180 HORZ(LL): 0.004 E HORZ(TL): 0.008 E Creep Factor: 2.0 Max TC CSI: 0.519 Max BC CSI: 0.078 Max Web CSI: 0.707	L J O V J O E M O C
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20] `
Lumber				

▲ M	▲ Maximum Reactions (lbs)						
	G	ravity		No	on-Grav	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
J	955	/-	/-	/-	/114	/-	
G	1036	/-	/-	/-	/93	/-	
Win	d read	ctions b	ased on N	MWFRS			
J	Brg V	Vidth =	5.5	Min Re	q = 1.5	;	
G	Brg V	Vidth =	5.5	Min Re	q = 1.5	;	
Bea	rings	J&Ga	re a rigid	surface.			
Mer	nbers	not list	ed have fo	orces less	s than 3	375#	
Max	Maximum Top Chord Forces Per Ply (lbs)						
Cho	rds 7	Tens.Co	omp.			-	
C -	D	23	- 391				

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

Special Loads

(Lumber	Dur.Fac.=1.	25 / Plate [Our.Fac.=1.2	25)
TC: From	63 plf at	-1.54 to	63 plf at	5.00
TC: From	32 plf at	5.00 to	32 plf at	6.58
TC: From	63 plf at	6.58 to	63 plf at	11.62
BC: From	5 plf at	-1.54 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	5.03
BC: From	10 plf at	5.03 to	10 plf at	6.55
BC: From			20 plf at	11.62
TC: 464 lb	Conc. Load	at 5.03		
TC: 12 lb	Conc. Load	at 6.55		
BC: 191 lb	Conc. Load	at 5.03		
BC: 309 lb	Conc. Load	at 6.55		

Wind

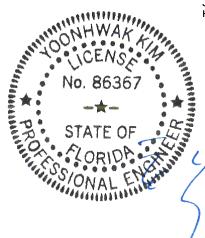
Wind loads and reactions based on MWFRS. End verticals not exposed to wind pressure. Left and right cantilevers are exposed to wind Wind loading based on both gable and hip roof types.

Additional Notes

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



Maximum Web Forces Per Ply (lbs) Tens. Comp. Webs Tens.Comp. Webs J - C 55 - 743 D - G 97 -873 H-D 536 0



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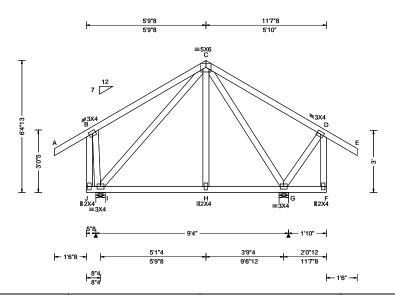
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SEQN: 9525 / SPEC Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T56 / FROM: DrwNo: 242.21.1212.11091 Qty: 1 Shelley Truss Label: E02 / YK 08/30/2021



Loading Criteria (psf) Wind Criteria	Snow Criteria (Pq.Pf in PSF) Defl/CSI Criteria Maximum Reactions (Ibs)	
TCLL: 20.00 Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/# Gravity Non-Gra	vity
TCDL: 10.00 Speed: 120 mph	Pf: NA Ce: NA VERT(LL): 0.003 H 999 240 Loc R+ /R- /Rh /Rw /U	/ RL
BCLL: 0.00 Enclosure: Closed	Lu: NA Cs: NA VERT(CL): 0.006 H 999 180 527 /- /- /306 /79	/118
BCDL: 10.00 Risk Category: II	Snow Duration: NA HORZ(LL): 0.003 D G 675 /- /- /421 /96	/-
Des Ld: 40.00 EXP: C Kzt: NA	HORZ(TL): 0.005 D Wind reactions based on MWFRS	
Mean Height: 18.26 ft	Building Code: Creep Factor: 2.0 I Brg Width = 5.5 Min Req = 1.5	-
TCDL: 5.0 psf Soffit: 2.00 BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ Max TC CSI: 0.567 G Brg Width = 5.5 Min Req = 1.5	5
Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014 Max BC CSI: 0.166 Bearings I & G are a rigid surface.	075"
Spacing: 24.0 " C&C Dist a: 3.00 ft	Rep Fac: Yes Max Web CSI: 0.434 Members not listed have forces less than Maximum Web Forces Per Ply (lbs)	3/5#
Loc. from endwall: not in 4.50	FT/RT:20(0)/10(0) Webs Tens.Comp.	
GCpi: 0.18	Plate Type(s):	
Wind Duration: 1.60	WAVE VIEW Ver: 21.01.01A.0521.20 C - G 113 - 451	

Lumber

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

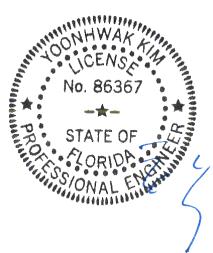
Wind

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

End verticals not exposed to wind pressure.

Left and right cantilevers are exposed to wind

Wind loading based on both gable and hip roof types.



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SEQN: 392971 / SPEC Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T112 FROM: Qty: 1 DrwNo: 242.21.1212.06639 Shellev Page 1 of 2 Truss Label: F01 / YK 08/30/2021 10'11"8 14'9"14 19'3"1 23'3" 5'11"8 3'10"6 4'5"4 3'11"15 1112X4 T2 =4X10 С =4X6(B1) J ∥2X4 B2 G ≡4X12 =7X8 ∥2X4 =3X6(B1) 23'3" 5'1"12 5'8" 3'10"6 8'6"14 5'1"12 10'9"12 14'8"2 23'3'

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Max
TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 120 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.126 C 999 240 VERT(CL): 0.257 C 999 180 HORZ(LL): 0.053 F HORZ(TL): 0.108 F Creep Factor: 2.0 Max TC CSI: 0.449 Max BC CSI: 0.717 Max Web CSI: 0.824 VIEW Ver: 21.01.01A.0521.20	Loc F A 17 F 13 Wind r A Br F Br Bearin Membr Maxim Chords A - B
Lumber				B-C C-D

Webs: 2x4 SP #3; **Special Loads**

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 63 plf at 32 plf at 63 plf at TC: From 0.00 to 5.00 to 63 plf at 32 plf at 5.00 TC: From 14 82 TC: From 14.82 to 63 plf at 23.25 20 plf at 0.00 to BC: From 20 plf at 5.00 BC: From 10 plf at 5.00 to 10 plf at From 20 plf at 14.73 to 2 347 lb Conc. Load at 5.00 129 lb Conc. Load at 7.06, 9.06 BC: From 20 plf at 23.25 TC: TC: 156 lb Conc. Load at 11.06,13.06,14.73 225 lb Conc. Load at 5.00 90 lb Conc. Load at 7.06, 9.06 BC: BC: BC:

Top chord: 2x4 SP #2; T2 2x4 SP M-31; Bot chord: 2x4 SP M-31; B2 2x4 SP #2;

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

26 lb Conc. Load at 11.06,13.06,14.73

Additional Notes

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

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL 1710 /-/225 /-/-/159 /-1371 Wind reactions based on MWFRS Brg Width = -Min Reg = -Brg Width = 5.5 Min Req = 1.6Bearing F is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 403 - 2972 248 - 2049 B - C 453 - 3455 316 - 2292

Maximum Bot Chord Forces Per Ply (lbs)

A - J 2497 - 332 G - F 1923 - 2		
J-H 2517 -338	53	

Maximum Web Forces Per Ply (lbs)

451 - 3434

Webs	Tens.Comp.		Webs	Tens. (Comp.	
B-H			H-D	2162	-	
C - H	148	- 537	G-D	150	- 713	
\Box	4000	24.4				



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

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SEQN: 392971 / SPEC Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T112 FROM: DrwNo: 242.21.1212.06639 Qty: 1 Shellev Page 2 of 2 Truss Label: F01 / YK 08/30/2021

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 Bearing at location x=0* uses the following support conditions: 0'
Bearing A (0', 12') HUS26
Supporting Member: (1)2x6 SP 2400f-2.0E (14) 0.162"x3.5" nails into supporting member (4) 0.162"x3.5" nails into supported member.



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

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

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

6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 10002 / SPEC Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T81 / FROM: DrwNo: 242.21.1212.04112 Qty: 1 Shellev Truss Label: F02 / YK 08/30/2021 10'11"8 12'9"1<u>4</u> 18'0"5 3'11"8 1'10"6 5'2"8 =6X6 =4X8 ∥2X4 =3X4(A1) K ∥2X4 ≡8X8 ⊪2X4 н ⊪7Х6 ≡3X4(Å1) 23'3" 1'10"6 10'6"14 1'6"8 10'9"12 12'8"2 23'3" ▲ Maximum Reactions (lbs)

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
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	Wind Criteria Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. HVHZ	Defi/CSI Criteria	
Load Duration: 1.25 Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Max BC CSI: 0.924 Max Web CSI: 0.566 VIEW Ver: 21.01.01A.0521.20	
Lumber				

Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 962 /530 /148 1076 /-/-/653 /127 /-Wind reactions based on MWFRS Brg Width = -Min Rea = -Brg Width = 5.5 Min Reg = 1.5Bearing F is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 411 - 1449 359 - 1139 B - C 468 - 1380 400 - 1464

466 - 1373

1163 - 183

1168 - 182

Tens.Comp.

1437 - 204

1127 - 293

Chords Tens.Comp.

Maximum Bot Chord Forces Per Ply (lbs)

Chords

H-F

Webs

H-D

Tens. Comp.

Tens. Comp.

237

- 251

- 761

1204

C-D

A - K

K - I

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

Hangers / Ties

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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', 12') LUS26

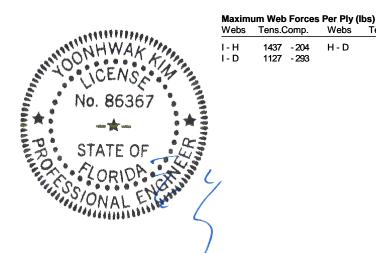
Supporting Member: (1)2x6 SP 2400f-2.0E (4) 0.148"x3" nails into supporting member.

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

Wind

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

Wind loading based on both gable and hip roof types.



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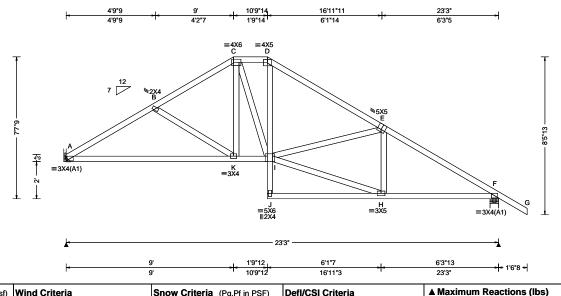
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SEQN: 9921 / HIPS Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T121 FROM: DrwNo: 242.21.1212.09482 Qty: 1 Shellev Truss Label: F03 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximu
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.049 I 999 240 VERT(CL): 0.101 I 999 180 HORZ(LL): 0.025 F HORZ(TL): 0.051 F Creep Factor: 2.0 Max TC CSI: 0.410 Max BC CSI: 0.703 Max Web CSI: 0.476	G Loc R+ A 962 F 1076 Wind reac A Brg W F Brg W Bearing F Members Maximum Chords T A - B
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	B-C
Lumber				D-C

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

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', 12') 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.

Wind

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

Wind loading based on both gable and hip roof types.

C-D 267 - 1073

Gravity

962 /534 /173 1076 /-/-/656 /124 /-Wind reactions based on MWFRS Brg Width = -Min Rea = -Brg Width = 5.5 Min Reg = 1.5Bearing F is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 284 - 1503 265 - 1351 B - C 251 - 1233 250 - 1482

/Rh

Non-Gravity

/RL

/Rw /U

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

A - K 1245 H-F 1201 - 117 - 97 K - I 998

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. 1251 - 124



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

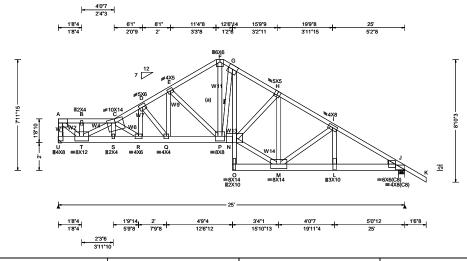
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SEQN: 392975 / SPEC Ply: 2 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T102 FROM: Qty: 1 DrwNo: 242.21.1212.09654 Shellev Truss Label: F04 / YK 08/30/2021

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.232 N 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.465 N 641 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.075 J
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.151 J
NCBCLL: 0.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.451
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.681
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.780
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

Lumber

Top chord: 2x4 SP M-31; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W1,W4,W6,W7,W9,W13 2x4 SP #2; W2,W11,W14 2x4 SP M-31; Rt Wedge: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Nailnote

Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 2 Rows @ 5.50" o.c. (Each Row) : 1 Row @ 4" o.c. Use equal spacing between rows and stagger nails

in each row to avoid splitting.

Special Loads

Special Loads									
(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)									
TC: From	32 plf at	0.00 to	32 plf at	19.88					
TC: From		19.88 to	63 plf at	26.54					
BC: From	10 plf at	0.00 to	10 plf at	19.88					
	20 plf at		20 plf at						
BC: From	5 plf at	25.00 to	5 plf at	26.54					
BC: 267 lb	Conc. Load	at 1.19, 3.	19, 5.19, 5.	94					
BC: 2043 lb	Conc. Load	at 1.69							
BC: 298 lb	Conc. Load	at 7.94							
	Conc. Load								
	Conc. Load								
	Conc. Load		5.94,17.94						
BC: 3493 lb	Conc. Load	at 19.88							

Plating Notes

All plates are 7X8 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

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

Wind loading based on both gapte and hip roof types.

The overall height of this was exelucting overhand is 5-11-15.

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL U 6578 /-/857 7859 /-/1064 /-Wind reactions based on MWFRS Brg Width = -U Min Reg = Brg Width = 5.5 Min Req = 3.3Bearing J 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. 514 - 3956 - 4347 B - C 514 - 3956 G-H 668 - 5206 C-D 848 - 6530 H - I 710 - 5442 D-E 693 - 5452 975 - 7255 E-F 575 - 4510

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. (Comp.
T-S	7248	- 946	P-N	4369	- 559
S - R	7259	- 947	M - L	6170	- 824
R - Q	5514	- 713	L-J	6218	- 831
Q - P	4619	- 587			

Maximum Web Forces Per Ply (lbs)

vvebs	rens.comp.	vvebs	rens.	Comp.
A - U	413 - 3164	P - G	373	- 2761
A - T	5040 - 655	F-P	4098	- 513
T - C	495 - 3775	G - N	3437	- 457
C-R	272 - 2036	N - O	407	- 49
R - D	1603 - 226	N - M	5523	- 717
D - Q	201 - 1406	M - I	268	- 1843
Q-E	1207 - 146	I-L	1959	- 268
E - P	128 - 1001			

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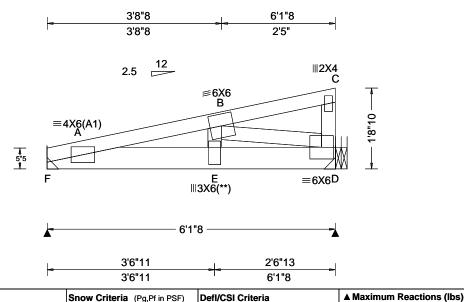
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SEQN: 392973 / MONO Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T2 / FROM: DrwNo: 242.21.1212.05686 Qty: 1 Shellev Page 1 of 2 Truss Label: FG01 / YK 08/30/2021



Loading Criteria (psf) Wind Crite	eria Snow (Criteria (Pg	g,Pf in PSF)	Defl/CSI Cr	iteria			▲ M	laximu	ım Read	ctions (It	os)		
TCLL: 20.00 Wind Std:	ASCE 7-16 Pg: NA	Ct: NA	CAT: NA	PP Deflection	on in loc L	_/defl	L/#		G	ravity		No	on-Grav	vity
TCDL: 10.00 Speed: 12	20 mph Pf: NA		Ce: NA	VERT(LL):	0.048 A	999	240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00 Enclosure:	: Closed Lu: NA	Cs: NA		VERT(CL):	0.094 A	767	180	F	2022	/-	/-	/-	/268	/-
BCDL: 10.00 Risk Categ	, ISHOW L	ouration: NA	١	HORZ(LL):	0.008 A	-	-	D	2043	•	, /-	, /-	/240	
Des Ld: 40.00 EXP: C				HORZ(TL):	0.015 A	-	-	Wir	d read	tions ba	ased on N	MWFRS		
NCBCLL: 10.00 Mean Heig	tht: 15.00 ft Building	g Code:		Creep Facto	or: 2.0			F	9	Vidth = -		Min Re		
Soffit: 2.00 BCDL: 5.0	EDC 74	n Ed. 2020 l	Res. HVHZ	Max TC CS	I: 0.332			D	9	Vidth = -		Min Re		
1	rarallel Dist: 0 to h/2	: 2014		Max BC CS	I: 0.717			_			d have fo			
Spacing: 24.0 " C&C Dist a	D E-	c: Varies by	/ Ld Case	Max Web C	SI: 0.745					Tens.Co	hord For	ces Per	Ply (lb	s)
Loc. from e	endwall: Any FT/RT:	20(0)/10(0)						CIT	ilus i	ens.co	ilip.			
G	Cpi: 0.18 Plate T	ype(s):						Α-	В	465 - 3	3713			
Wind Dura	tion: 1.60 WAVE			VIEW Ver: 2	21.01.01A.	0521.2	20					_		_

Lumber

Top chord: 2x4 SP M-31; 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 60 plf at 0.00 to 0.00 to 60 plf at 10 plf at BC: From BC: From 10 plf at 0.00 to BC: 1710 lb Conc. Load at 1.56 6 13 BC: 962 lb Conc. Load at 3.56, 5.56

Plating Notes

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

Wind

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

Additional Notes

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

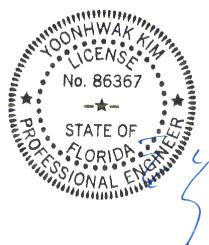
Loc R+ Wind reactions based on MWFRS

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chords Tens. Comp. A - E 3647 - 455 E-D 3416 - 431

Maximum Web Forces Per Ply (lbs)

Webs Tens. Comp. Webs Tens.Comp. E-B 1664 - 172 B-D 453 - 3590



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SEQN: 392973 / MONO Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T2 / FROM: DrwNo: 242.21.1212.05686 Qty: 1 Shellev Page 2 of 2 Truss Label: FG01 / YK 08/30/2021

Hangers / Ties

member.

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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

(J) Hanger Support Required, by others Bearing D (5'10"8, 12') HUS26 Supporting Member: (2)2x6 SP 2400f-2.0E (14) 0.148"x3" nails into supporting member,
(6) 0.148"x3" nails into supported

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SEQN: 10138 / HIPS Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T34 / FROM: Qty: 1 DrwNo: 242.21.1212.09185 Shelley Truss Label: G01 / YK 08/30/2021 9'6"8 12'11' 17'11' 3'4"8 4'6"8 5' ≡5X6 C ∥2X4 D =4X6 E 4"9 K ∥2X4 H ∥2X4 =3X8(** \equiv 4X4(A1) 5'1"12 4'4"4 6" 2'9"4 5'1"12 - 1'6"8 - - 1'6"8 -5'1"12 9'6" 10' 12'9"4 17'11"

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.070 D 999 240	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.140 D 999 180	E
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.028 F	F
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.055 F	٧
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	E
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.547	F
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.681	E
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.220	N
' "	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		"
	GCpi: 0.18	Plate Type(s):] -
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	E
Lumber		•		٠ (

	▲ Maximum Reactions (lbs)									
		G	ravity		No	on-Grav	vity			
	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL			
	В 1	1439	/-	/-	/-	/241	/-			
	F 1	1439	/-	/-	/-	/241	/-			
	Wind	l reac	tions ba	sed on	MWFRS					
	В	Brg W	/idth = 5	.5	Min Re	q = 1.7	•			
	F I	Brg V	/idth = 5	.5	Min Re	q = 1.7	,			
	Bear	ings I	3 & Far	e a rigi	d surface.					
	Mem	bers	not liste	d have	forces less	s than 3	375#			
	Maxi	imum	Top Ch	nord F	orces Per	Ply (lb	s)			
	Chor	ds T	ens.Cor	np.	Chords	Tens.	Comp.			
_	В-С	:	372 - 2	182	D-E	381	- 2235			
	C-0		381 - 2	-	Ē-F	370	- 2160			

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

Special Loads

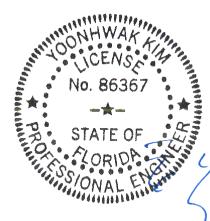
(Lumber	Dur.Fac.=1.	25 / Plate [Our.Fac.=1.2	25)
TC: From	63 plf at	-1.54 to	63 plf at	5.00
TC: From	32 plf at	5.00 to	32 plf at	12.92
TC: From	63 plf at	12.92 to	63 plf at	19.46
BC: From	5 plf at	-1.54 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	5.03
BC: From	10 plf at	5.03 to	10 plf at	12.89
BC: From	20 plf at	12.89 to	20 plf at	17.92
BC: From	5 plf at	17.92 to	5 plf at	19.46
TC: 129 lb	Conc. Load	at 5.06, 7.	06, 8.96,10.	.85
12.85				
BC: 296 lb	Conc. Load	at 5.03.12	89	

BC: 90 lb Conc. Load at 7.06, 8.96,10.85

Plating Notes

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

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



Maximum Bot Chord Forces Per Ply (lbs)

Cilolus	rens.comp	. Ciloius	rens. comp.		
B - K	1808 - 30	1 I-H	1802	- 296	
K - J	1827 - 29	9 H-F	1785	- 297	
J - I	1802 - 29	6			

Maximum Web Forces Per Ply (lbs) Tens Comp

******	rono.comp.		******	rono. Comp.		
C - K C - J		-	D-J J-E		- 410 - 113	
C - J	400	-91	J-E	3/6	- 113	

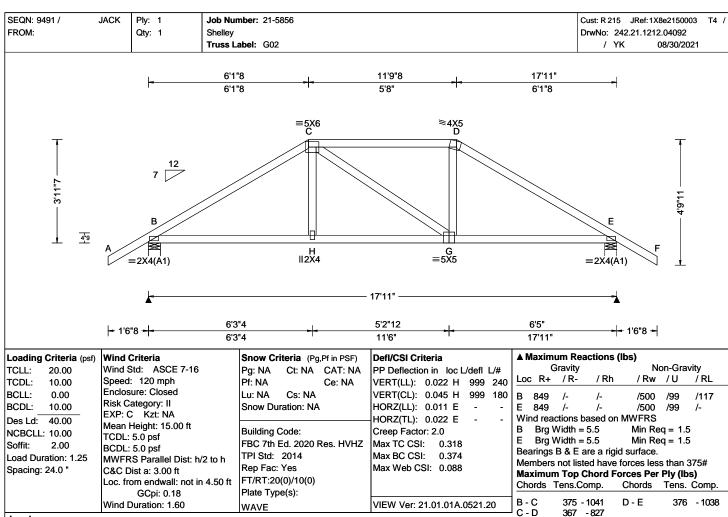
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Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp.

819 - 228 G - E 817 - 236 H - G 824 - 226

Chords

Tens. Comp.



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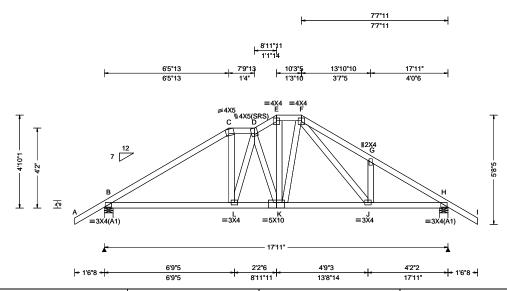
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SEQN: 393282 JACK Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T11 FROM: Qty: 1 DrwNo: 242.21.1338.48280 Shellev Truss Label: G03 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Max
TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 120 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: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.027 D 999 240 VERT(CL): 0.055 D 999 180 HORZ(LL): 0.012 H HORZ(TL): 0.025 H Creep Factor: 2.0 Max TC CSI: 0.489 Max BC CSI: 0.426 Max Web CSI: 0.135 VIEW Ver: 21.01.01A.0521.20	Loc F B 88 H 89 Wind r B Bi H Bi Bearin Membi Maxim Chords B - C
Lumber		14444		D-E

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 884 /502 /106 /136 890 /-/503 /107 /-Wind reactions based on MWFRS Min Req = 1.5 Brg Width = 5.5В Brg Width = 5.5 Min Req = 1.5 Bearings B & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 244 - 1082 C - D 251 - 859 F-G 290 - 1153

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

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 63 plf at 5 plf at 20 plf at 63 plf at 5 plf at 20 plf at TC: From -1.54 to 19.46 BC: From 0.00 BC: From 0.00 to 17.92 17.92 to BC: From 5 plf at 5 plf at 19.46 75 lb Conc. Load at 9.63

Wind

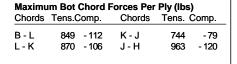
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is

WIND LOAD CASE MODIFIED!



G-H

223 - 1184

256 - 882



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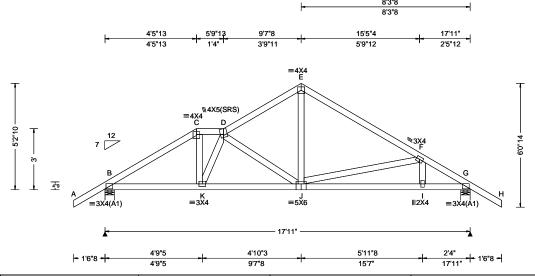
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SEQN: 393284 JACK Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T15 FROM: Qty: 1 DrwNo: 242.21.1338.52297 Shelley Truss Label: G04 / YK 08/30/2021



Now Criteria (psf) Wind Criteria Defi/CSI Criteria				
TCDL: 10.00 Speed: 120 mph Pf: NA Ce: NA VERT(LL): 0.033 J 999 240	Loading Criteria (pst)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
NCBCLL: 10.00 Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf BCDL	TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.033 J 999 240 VERT(CL): 0.067 J 999 180 HORZ(LL): 0.015 G -
	NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	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	FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0)	Creep Factor: 2.0 Max TC CSI: 0.467 Max BC CSI: 0.474 Max Web CSI: 0.246

Lumber

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

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 63 plf at 5 plf at 20 plf at 63 plf at 5 plf at 20 plf at TC: From -1.54 to 19.46 BC: From 0.00 BC: From 0.00 to 17.92 5 plf at 17.92 to BC: From 5 plf at 19.46 75 lb Conc. Load at 9.63

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is

WIND LOAD CASE MODIFIED!

	▲ Maxin	num Rea	actions (l	bs)		
		Gravity		No	on-Grav	/ity
0	Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL
0	B 884	/-	/-	/500	/106	/145
-	G 890	/-	/-	/502	/107	/-
_	Wind rea	actions b	ased on I	MWFRS		
	B Brg	Width =	5.5	Min Re	q = 1.5	;
	G Brg	Width =	5.5	Min Re	q = 1.5	;
	Bearings	B&G	are a rigio	surface.	•	
	Member	s not list	ed have f	orces les	s than 3	375#
	Maximu	m Top (Chord Fo	rces Per	Ply (lb	s)
	Chords	Tens.C	omp.	Chords	Tens.	Ćomp.
	B-C	200 -	1146	F.F	167	- 953
	C-D	212		F-G	156	- 1249
	D-E		- 904	. •	.00	12.10
		.,,	007			

Maximum Bot Chord Forces Per Ply (lbs)								
Chords	Tens.Comp.		Chords	Tens. Comp.				
B - K KI		- 112 - 129	J-I I-G	1050 1050	- 103 - 100			

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. C-K 410 E - J 519 - 49 - 22 161 - 420 D-J



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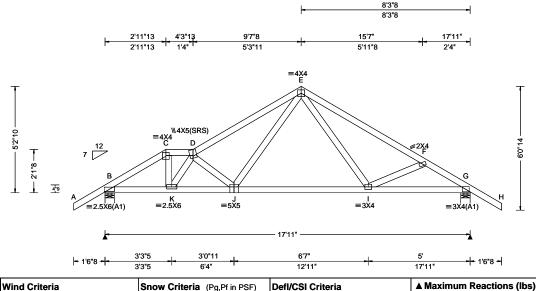
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 393289 JACK Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T18 FROM: DrwNo: 242.21.1339.30173 Qty: 1 Shellev Truss Label: G05 / YK 08/30/2021



BCDL: 10.00 Des Ld: 40.00 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 9.00 ft GCpi: 0.18 Snow Duration: NA HORZ(LL): 0.020 G HORZ(TL): 0.041 G HORZ(TL): 0.020 G HORZ(TL): 0.041	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Γ.
	TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	Speed: 120 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	Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s):	VERT(LL): 0.055 J 999 240 VERT(CL): 0.111 J 999 180 HORZ(LL): 0.020 G HORZ(TL): 0.041 G Creep Factor: 2.0 Max TC CSI: 0.523 Max BC CSI: 0.702	

Lumber

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

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 63 plf at 5 plf at 20 plf at 63 plf at 5 plf at TC: From -1.54 to 19.46 BC: From 0.00 BC: From 0.00 to 20 plf at 17 92 5 plf at 17.92 to BC: From 5 plf at 19.46 540 lb Conc. Load at 3.02 BC: 75 lb Conc. Load at 9.73

Wind

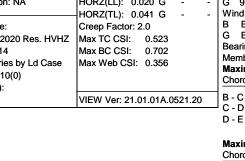
Wind loads and reactions based on MWFRS. Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 5-2-10.

WIND LOAD CASE MODIFIED!

It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data, including dimensions and loads, conform to the architectural plans/specifications and fabricators truss layout.



В 1336 /-/162 /-978 /-/-/121 Wind reactions based on MWFRS Brg Width = 5.5В Min Rea = 1.6Brg Width = 5.5 Min Req = 1.5 Bearings B & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 120 - 1268 206 - 1901 C - D 176 - 1724 178 - 1442 165 - 1640

/Rh

Gravity

Loc R+

Non-Gravity

/RL

/Rw /U

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Tens. Comp. Chords B - K 1576 - 162 J - I 856 - 100 1988 - 214 1 - G K-J 1204 - 145

Maximum Web Forces Per Ply (lbs) Tens. Comp. Webs Tens.Comp. Webs C-K 935 - 90 D-J 122 -853 K - D 76 - 533 J-E 897 -42



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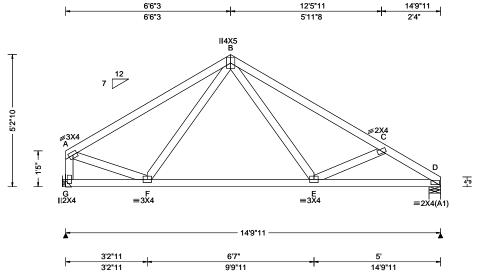
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SEQN: 393286 SPEC Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T6 FROM: Qty: 1 DrwNo: 242.21.1339.34623 Shellev Truss Label: G06 / YK 08/30/2021



				_
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 120 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: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.019 E 999 240 VERT(CL): 0.038 E 999 180 HORZ(LL): 0.008 D HORZ(TL): 0.016 D Creep Factor: 2.0 Max TC CSI: 0.713 Max BC CSI: 0.501 Max Web CSI: 0.201	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	۱,
Lumber				•

▲ Maximum Reactions (lbs)									
	Gravity Non-Gravity								
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL				
G 650	/-	/-	/332	/68	/106				
D 657	/-	/-	/357	/69	/-				
Wind rea	ctions b	ased or	MWFRS						
G Brg \	Nidth =	-	Min Re	eq = -					
D Brg \	Nidth =	5.5	Min Re	q = 1.8	5				
Bearing [) is a rig	gid surfa	ice.						
Members	not list	ed have	forces les	s than	375#				
Maximum Top Chord Forces Per Ply (lbs)									
Chords	Tens.Co	omp.	Chords	Tens.	Comp.				
A - B B - C		- 698 - 905	C-D	221	- 1100				

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

Special Loads

---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) rom 63 plf at 0.00 to rom 20 plf at 0.00 to 75 lb Conc. Load at 6.84 TC: From BC: From 0.00 to 0.00 to 63 plf at 20 plf at 14.81 14.81

Hangers / Ties

(J) Hanger Support Required, by others

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is

WIND LOAD CASE MODIFIED!

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. F-E 526 E-D - 171

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

A - F

514

-21

109 - 650



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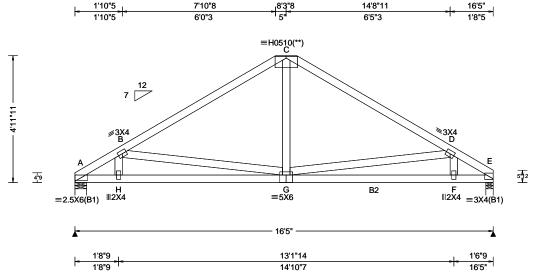
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SEQN: 393280 HIPS Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T8 FROM: Qty: 1 DrwNo: 242.21.1339.42347 Shellev Truss Label: G07 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.029 G 999 240	Ļ
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.060 G 999 180	1
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.015 E	E
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.030 E	١
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	1
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.570	E
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.548	I
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.780	ľ
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		ľ
	GCpi: 0.18	Plate Type(s):		l -
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 21.01.01A.0521.20] {
Lumber				

▲ Maximum Reactions (lbs)								
	Gra	vity		No	n-Grav	vity		
Loc F	۲+ ا	/ R-	/Rh	/ Rw	/ U	/ RL		
A 11	43	/-	/-	/-	/119	/-		
E 76	55	/-	/-	/-	/80	/-		
Wind I	reacti	ons ba	sed on	MWFRS				
A B	rg Wi	dth = 5	.5	Min Re	q = 1.5	;		
E B	rg Wi	dth = 3	.5	Min Re	q = 1.5	;		
Bearin	gs A	& E are	a rigid	d surface.				
Memb	ers n	ot listed	have	forces less	than 3	375#		
Maxin	num ⁻	Top Ch	ord Fo	orces Per	Ply (lb	s)		
Chord	s Te	ns.Con	np.	Chords	Tens.	Comp.		
A - B		188 - 19	902	C-D	121	- 981		
B-C				D-E	116	- 1213		
	Loc F A 11 E 76 Wind I A B E B Bearin Memb Maxin Chord A - B	Gra Loc R+ A 1143 E 765 Wind reacti A Brg Wi E Brg Wi Bearings A Members n Maximum Chords Te A - B	Gravity Loc R+ /R- A 1143 /- E 765 /- Wind reactions bas A Brg Width = 5 E Brg Width = 3 Bearings A & E are Members not listed Maximum Top Ch Chords Tens.Com A - B 188 - 18	Gravity Loc R+ /R- /Rh A 1143 /- /- E 765 /- /- Wind reactions based on A Brg Width = 5.5 E Brg Width = 3.5 Bearings A & E are a riging Members not listed have Maximum Top Chord For Chords Tens.Comp. A - B 188 - 1902	Gravity No Loc R+ /R- /Rh /Rw A 1143 /- /- E 765 /- /- Wind reactions based on MWFRS A Brg Width = 5.5 Min Re E Brg Width = 3.5 Min Re Bearings A & E are a rigid surface. Members not listed have forces less Maximum Top Chord Forces Per Chords Tens.Comp. Chords A - B 188 - 1902 C - D	Non-Grave Non-Grave		

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

Webs: 2x4 SP #3;

Special Loads

---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 63 plf at 0.00 to BC: From 20 plf at 0.00 to BC: 468 lb Conc. Load at 1.71 0.00 to 0.00 to 63 plf at 20 plf at 16.42 16.42 75 lb Conc. Load at 8.29

Plating Notes

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

Wind

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

Additional Notes

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

WIND LOAD CASE MODIFIED!



Maximum Web Forces Per Ply (lbs)

Chords

G-F

F-E

Tens. Comp.

- 112

- 107

1037

1034

Maximum Bot Chord Forces Per Ply (lbs)

Webs Tens.Comp. Webs

1611 - 172

Chords Tens.Comp.

H - G

Tens. Comp. H - B C-G 0 450 436 B - G 95 - 917

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

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SEQN: 9493 / HIPS Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T109 FROM: DrwNo: 242.21.1212.07482 Qty: 1 Shellev Truss Label: G08 / YK 08/30/2021 6'6' 10'1" 16'5" 3'7' 6'4" 6'6' ≡5X6 B ≅4X5 C 5 2 4"9 F ≡5X5 E ≡3X4 =3X4(B1) \equiv 2X4(A1) 16'5" 6'7"12 3'1"12 6'7"8 6'7"12 9'9"8 16'5" Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) Gravity Non-Gravity Wind Std: ASCE 7-16 Ct: NA CAT: NA TCLL: 20.00 Pg: NA PP Deflection in loc L/defl L/# Loc R+ /R /Rh /Rw /U /RL Speed: 120 mph TCDL: 10.00 Pf: NA Ce: NA VERT(LL): 0.013 F 999 240 Enclosure: Closed VERT(CL): 0.027 F BCII: 0.00 Lu: NA Cs: NA 999 180 Α 683 /387 /83 Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.008 D 682 /-/384 /-EXP: C Kzt: NA Wind reactions based on MWFRS HORZ(TL): 0.016 D Des Ld: 40.00 Mean Height: 15.00 ft Brg Width = 5.5Min Rea = 1.5**Building Code:** Creep Factor: 2.0 NCBCLL: 10.00 TCDL: 5.0 psf Brg Width = 3.5 Min Req = 1.5FBC 7th Ed. 2020 Res. HVHZ Max TC CSI: 0.496 Soffit: 2.00 BCDL: 5.0 psf Bearings A & D are a rigid surface. TPI Std: 2014 Max BC CSI: 0.426 Load Duration: 1.25 MWFRS Parallel Dist: h to 2h Members not listed have forces less than 375# Rep Fac: Yes Max Web CSI: 0.077 Spacing: 24.0 " C&C Dist a: 3.00 ft Maximum Top Chord Forces Per Ply (lbs) FT/RT:20(0)/10(0) Loc. from endwall: not in 9.00 ft Chords Tens.Comp. Chords Tens. Comp. Plate Type(s): GCpi: 0.18

Lumber

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

Wind

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

Wind Duration: 1.60

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

B - C

Chords Tens.Comp.

294

Tens. Comp.

A - F 721 - 194 E-D 706 - 178 F-E 725 - 192

Chords



VIEW Ver: 21.01.01A.0521.20

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

<u>WA</u>VE

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SEQN: 10146 / HIPS Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T3 / Ply: 1 FROM: DrwNo: 242.21.1212.05218 Qty: 1 Shellev Truss Label: G09 / YK 08/30/2021 8'3"8 11'7' 16'5' 5' 3'3"8 3'3"8 4'10' ≡4X6 C **∥2X4** T2 5 2 4"9 G ∥2X4 H ≡3X8 =5X5 =4X4(A1) =4X4(B1) 16'5" 5'1"12 3'1"12 3'1"12 4'11"12 -- 1'6"8 -5'1"12 8'3"8 11'5"4 16'5" Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) Non-Gravity Wind Std: ASCE 7-16 Gravity Pg: NA TCLL: 20.00 Ct: NA CAT: NA PP Deflection in loc L/defl L/# Loc R+ /R /Rh /Rw /U /RL Speed: 120 mph TCDL: 10.00 Pf: NA VERT(LL): 0.054 D 999 240 Ce: NA Enclosure: Closed BCI I · 0.00 Lu: NA Cs: NA VERT(CL): 0.106 D 999 180 В 1377 /-/230 /-BCDL: 10.00

Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "

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 Duration: NA

Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE

HORZ(LL): 0.024 F HORZ(TL): 0.047 F Creep Factor: 2.0 Max TC CSI: 0.451 Max BC CSI: 0.805 Max Web CSI: 0.187

VIEW Ver: 21.01.01A.0521.20

/-/-/-1425 /216 Wind reactions based on MWFRS Brg Width = 5.5В Min Rea = 1.6Brg Width = 3.5 Min Req = 1.7

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

Chords Tens.Comp. Chords Tens. Comp. 350 - 2047 342 - 2023 C - D 342 - 2023 E-F 335 - 1992

Lumber

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

Webs: 2x4 SP #3; **Special Loads**

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 63 plf at 32 plf at 63 plf at TC: From -1.54 to 5.00 to 63 plf at TC: From 32 plf at 11.58 TC: From 11.58 to 63 plf at 16.42 5 plf at -1.54 to BC: From 5 plf at 0.00 BC: From 20 plf at 0.00 to 20 plf at BC: From 10 plf at 5.15 to 10 plf at 16.42 129 lb Conc. Load at 5.06, 7.06, 8.29, 9.54 TC: 11.54 BC: 296 lb Conc. Load at 5.03 90 lb Conc. Load at 7.06, 8.29, 9.54,11.54 BC: 175 lb Conc. Load at 13.54,15.54

Wind

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

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.		
B-I	1690 - 279	H-G	1659 - 266		
I - H	1707 - 279	G-F	1645 - 268		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		bs lens.Comp. Web		Webs	s Tens. Com		
C-H			H-E	491	- 102			



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

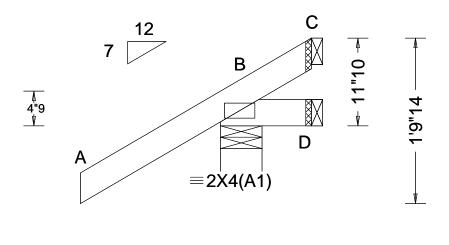
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SEQN: 9681 / JACK Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T9 / FROM: Qty: 22 DrwNo: 242.21.1212.12499 Shelley Truss Label: J01 / YK 08/30/2021



Loading Criteria (psf) Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs))
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " Wind Std: ASCE 7-16 Speed: 120 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: Any GCDi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 B HORZ(TL): 0.001 B Creep Factor: 2.0 Max TC CSI: 0.216 Max BC CSI: 0.035 Max Web CSI: 0.000	Gravity Loc R+ /R- /Rh B 265 /- /- D 5 /-17 /- C - /-60 /- Wind reactions based on MW B Brg Width = 5.5 D Brg Width = 1.5	Non-Gravity / Rw / U / R /197 /48 /38 /12 /13 /- /30 /53 /- /FRS //IFRS
Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20		

- 1'6"8 -

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.



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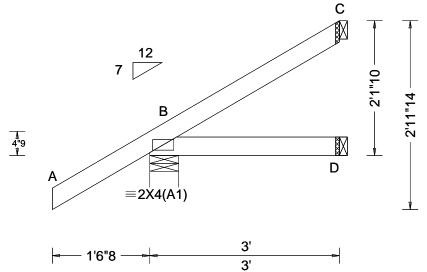
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/RL

SEQN: 9431 / JACK Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T14 / FROM: Shelley DrwNo: 242.21.1212.10764 Qty: 16 Truss Label: J02 / YK 08/30/2021



BCDL: 10.00 Risk Category: II EXP: C Kzt: NA HORZ(LL): 0.001 B HORZ(TL): 0.001 B - HORZ(TL): 0.001 B - HORZ(TL): 0.001 B HORZ(TL): 0.001 B - HOR	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 TPI Std: 2014 Max BC CSI: 0.066 Rep Fac: Yes Max Web CSI: 0.000 TPI Std: 2014 Max Web CSI: 0.000 Max Web CSI: 0.000 TPI Std: 2014 Max Web CSI: 0.000 Max Web CSI: 0.000 TPI Std: 2014 Max Web CSI: 0.000 Max Web CSI: 0.000 TPI Std: 2014 Max Web CSI: 0.000 Max We	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: 120 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: Any GCpi: 0.18	Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 B HORZ(TL): 0.001 B Creep Factor: 2.0 Max TC CSI: 0.216 Max BC CSI: 0.066 Max Web CSI: 0.000	Lo B D C W B D C Be

▲ Maximum Reactions (lbs)							
	G	avity	No	on-Gra	vity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
В	269	/-	/-	/184	/23	/73	
D	50	/-	/-	/31	/-	/-	
С	62	/-	/-	/35	/31	/-	
Wind reactions based on MWFRS							
В	Brg V	Vidth =	5.5	Min Re	q = 1.5	5	
D Brg Width = 1.5			Min Re	q = -			
		Vidth =		Min Re	q = -		
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.

Wind loading based on both gable and hip roof types.



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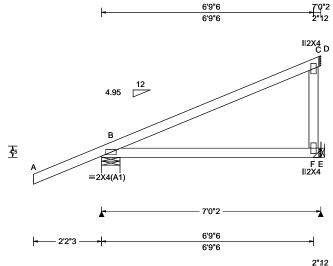
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

6750 Forum Drive Suite 305 Orlando FL, 32821

SEQN: 10128 / HIP_ Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T122 FROM: Qty: 1 DrwNo: 242.21.1212.09999 Shellev Truss Label: J02HJ / YK 08/30/2021





2"12

			7'0"2
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 120 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: N	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.006 B HORZ(TL): 0.017 B Creep Factor: 2.0 Max TC CSI: 0.474 Max BC CSI: 0.431 Max Web CSI: 0.154 VIEW Ver: 21.01.01A.0521.20
Lumbor	•	•	•

Gravity Non-Gravity						
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
		/-	/-	/-	/99	/-
Е	204	/-	/-	/-	/10	/-
Win	d read	ctions b	ased on I	MWFRS		
В	Brg V	Vidth =	7.1	Min Re	q = 1.5	5
E Brg Width = - Min Re					q = -	
Bearing B is a rigid surface.						
Men	nbers	not liste	ed have fo	orces les	s than	375#

Lumber

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

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From TC: From -0 plf at -2.18 to 0.00 to 62 plf at 0.00 2 plf at 2 plf at 0 plf at 7 01 BC: From -2.18 to 4 plf at 0.00 BC: From 2 plf at 0.00 to 2 plf at -47 lb Conc. Load at 1.48 125 lb Conc. Load at 4.25 BC: 9 lb Conc. Load at 1.48 BC: 99 lb Conc. Load at 4.31

Wind

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



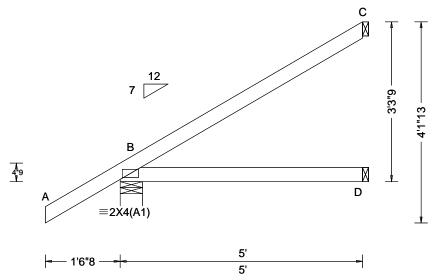
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TCLL: 20.00 Wind Std: ASCE 7-16 Pg: NA Ct: NA CAT: NA PP Deflection in loc L/d TCDL: 10.00 Speed: 120 mph Pf: NA Ce: NA VERT(LL): NA BCLL: 0.00 Enclosure: Closed Lu: NA Cs: NA VERT(CL): NA BCDL: 10.00 Risk Category: II Snow Duration: NA HORZ(LL): 0.004 B Des Ld: 40.00 Mean Height: 15.00 ft Des Liting Only 15 cm
NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " Spacing: 24.0 " Spacing: 0.01 Spacing: 0.02 Spa

▲ Maximum Reactions (lbs)							
	Gr	avity		No	n-Grav	ity	
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL	
В 3	38	/-	/-	/223	/18	/109	
D 9	0	/-	/-	/51	/-	/-	
C 1	29	/-	/-	/78	/58	/-	
Wind reactions based on MWFRS							
ВЕ	3rg W	idth = 5.	5	Min Red	q = 1.5		
DE	3rg W	idth = 1.	5	Min Red	i = -		
CE	3rg W	idth = 1.	5	Min Red	g = -		
Bearing B is a rigid surface.							
Members not listed have forces less than 375#							
4							

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

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

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

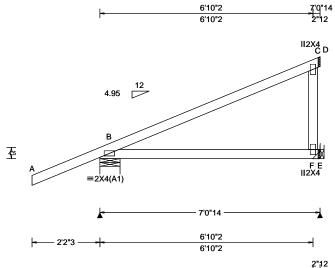
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

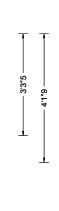
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SEQN: 10114 / HIP_ Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T115 FROM: Qty: 1 DrwNo: 242.21.1212.09795 Shellev Truss Label: J03HJ / YK 08/30/2021





			7 0 14
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.008 B
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.018 B
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.599
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.487
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.158
-	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
Lumber			•

▲ Ma	axim	um Rea	ctions (I	bs)		
	G	ravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
в :	287	/-	/-	/-	/99	/-
E :	206	/-	/-	/-	/38	/-
Wind	d read	ctions b	ased on I	MWFRS		
В	Brg V	Vidth =	7.8	Min Re	q = 1.5	5
E Brg Width = -			Min Re	q = -		
Bearing B is a rigid surface.						
				orces les	s than	375#

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

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 0 plf at 2 plf at 0 plf at TC: From TC: From -2.18 to 0.00 to 62 plf at 0.00 2 plf at 7 07 BC: From -2.18 to 4 plf at 0.00 2 plf at 0.00 to BC: From 2 plf at -1 lb Conc. Load at 1.48 145 lb Conc. Load at 4.31 BC: 21 lb Conc. Load at 1.48 105 lb Conc. Load at 4.31

Wind

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



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

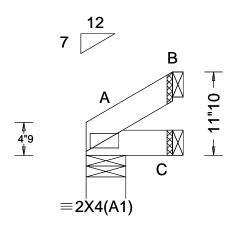
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

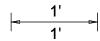
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 9414/ JACK Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T5 / FROM: DrwNo: 242.21.1212.12326 Qty: 3 Shelley Truss Label: J04 / YK 08/30/2021





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
Loading Criteria (psf)	Wind Criteria Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0)	Defl/CSI Criteria
GCpi: 0.18 Wind Duration: 1.60		Plate Type(s): WAVE	VIEW Ver: 21.01.01A.0521.20

▲ Maximum Reactions (lbs)							
	G	avity		Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
	49		/-	/29	/-	/16	
С	16	/-	/-	/10	/-	/-	
В	24	/-	/-	/15	/11	/-	
Wind reactions based on MWFRS							
Α	Brg V	Vidth =	5.5	Min Re	q = 1.	5	
С	Brg V	Vidth =	1.5	Min Re	q = -		
В	Brg V	Vidth =	1.5	Min Re	q = -		
Bearing A is a rigid surface.							
Members not listed have forces less than 375#							

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

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

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

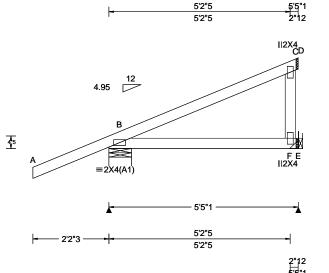
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SEQN: 17224 / HIP_ Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T92 / FROM: Qty: 1 DrwNo: 242.21.1212.10029 Shellev Truss Label: J04HJ / YK 08/30/2021



			5'5"1
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 120 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	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Varies by Ld Case	Defl/CSI Criteria
Spacing, 24.0	Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	FT/RT:20(0)/10(0) Plate Type(s): WAVE	VIEW Ver: 21.01.01A.0521.20
Lumbor	·		<u> </u>

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 239 /129 189 /-/-/68 Wind reactions based on MWFRS Brg Width = 7.8 Min Reg = 1.5Brg Width = -Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375#

2'7"2

Lumber

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

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From TC: From -0 plf at -2.18 to 0.00 to 62 plf at 0.00 2 plf at 0 plf at 2 plf at 5 42 BC: From -2.18 to 4 plf at 0.00 2 plf at 0.00 to BC: From 2 plf at -49 lb Conc. Load at 1.48 145 lb Conc. Load at 4.31 BC 9 lb Conc. Load at 1.48

BC: Wind

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

105 lb Conc. Load at 4.31



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

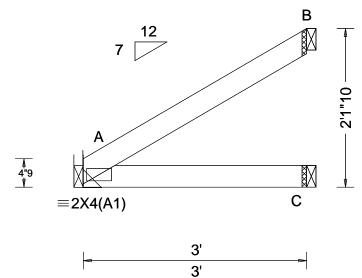
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 9528 / JACK Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T20 / FROM: Qty: 1 DrwNo: 242.21.1212.05404 Shelley Truss Label: J05 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 A
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.003 A
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.119
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.082
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
-	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

▲ Maximum Reactions (lbs) Non-Gravity Gravity Loc R+ /Rh /Rw /U /RL 130 /78 /51 55 /-/32 /-83 /52 /36 Wind reactions based on MWFRS Brg Width = -Min Req = -Brg Width = 1.5 Min Req = -Brg Width = 1.5 Min Rea = -Members not listed have forces less than 375#

Lumber

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

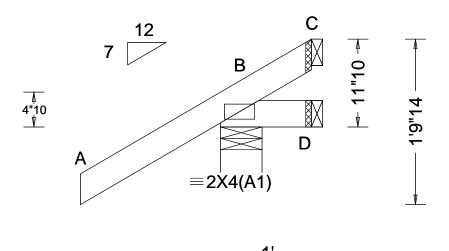
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 393305 JACK Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T52 FROM: Qty: 4 DrwNo: 242.21.1339.44500 Shelley Truss Label: J06 / YK 08/30/2021



		1
Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): NA
Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 B
EXP: C Kzt: NA		HORZ(TL): 0.001 B
Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
TCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.216

TCDL: 5.0 p BCDL: 5.0 psf Max BC CSI: 0.035 TPI Std: 2014 MWFRS Parallel Dist: 0 to h/2 Rep Fac: Yes Max Web CSI: 0.000 C&C Dist a: 3.00 ft FT/RT:20(0)/10(0) Loc. from endwall: Any Plate Type(s): GCpi: 0.18 VIEW Ver: 21.01.01A.0521.20 Wind Duration: 1.60 WAVE

1'6"8

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 265 /-/197 /48 /38 D /-17 /-/12 /13 /-5 /-60 /30 /53 Wind reactions based on MWFRS Brg Width = 5.5 Min Req = 1.5 Brg Width = 1.5 Min Req = -Brg Width = 1.5 Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Loading Criteria (psf)

20.00

10.00

0.00

10.00

40.00

2.00

TCLL:

TCDL:

BCI I ·

BCDL:

Soffit:

Des Ld:

NCBCLL: 10.00

Spacing: 24.0 "

Load Duration: 1.25

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 0-11-10.



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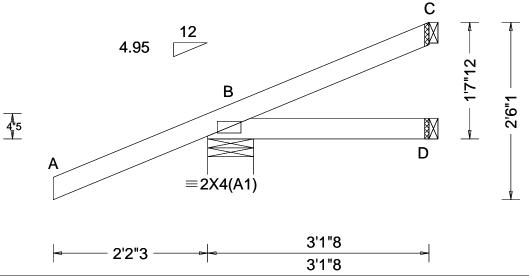
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 393307 HIP_ Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T49 FROM: Qty: 2 DrwNo: 242.21.1339.46847 Shelley Truss Label: J06HJ / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Re
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00	Wind Std: ASCE 7-16 Speed: 120 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): NA VERT(CL): NA HORZ(LL): -0.002 B HORZ(TL): 0.002 B	Gravity Loc R+ / R- B 181 /- D 46 /-8 C 22 /-25
NCBCLL: 10.00 Soffit: 2.00	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 GCpi: 0.18	Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s):	Creep Factor: 2.0 Max TC CSI: 0.134 Max BC CSI: 0.076 Max Web CSI: 0.000	Wind reactions B Brg Width = D Brg Width = C Brg Width = Bearing B is a ri Members not lis
Lumber	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	
Lulliber				

Reactions (lbs) Non-Gravity /Rh /Rw /U /RL /-/-/16 /-/34 s based on MWFRS Min Req = 1.5 = 7.8 Min Req = -= 1.5= 1.5 Min Req = rigid surface. listed have forces less than 375#

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

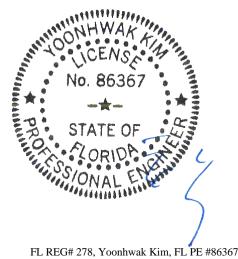
Special Loads

---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 0 plf at -2.18 to 62 plf at 0.00 TC: From BC: From 2 plf at 0 plf at 2 plf at 0.00 to -2.18 to 2 plf at 4 plf at 3.12 0.00 BC: From 0.00 to 2 plf at -49 lb Conc. Load at 1.48 9 lb Conc. Load at 1.48

Wind

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

The overall height of this truss excluding overhang is 1-7-12.



08/30/2021

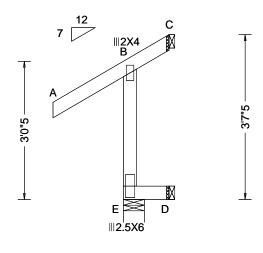
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

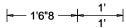
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SEQN: 9469 / JACK Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T68 / FROM: Qty: 3 DrwNo: 242.21.1212.07219 Shelley Truss Label: J07 / YK 08/30/2021





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	l
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	l
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.001 B 999 240	l
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 B 999 180	l
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 B	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 B	
NCBCLL: 10.00	Mean Height: 16.87 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.222	
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.010	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.114	
	Loc. from endwall: Any	FT/RT:20(0)/10(0)		١
	GCpi: 0.18	Plate Type(s):		l
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL E 227 /189 /-D 20 /-/10 /-/-49 /47 /41 /67 Wind reactions based on MWFRS Brg Width = 5.5 Min Req = 1.5 Brg Width = 1.5 Min Req = -Brg Width = 1.5 Min Reg = -Bearing E is a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp.

B - E 382 - 217

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.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

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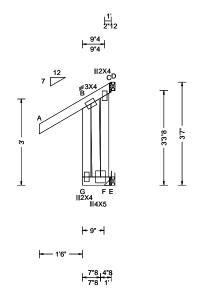
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A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

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



SEQN: 10228 / JACK Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T67 / FROM: Qty: 1 DrwNo: 242.21.1212.09310 Shelley Truss Label: J08 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.000 G 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 G 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 B
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.000 B
NCBCLL: 10.00	Mean Height: 16.85 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.209
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.008
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.099
-	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
Landa			

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rw /U /RL Е 185 /62 /55 /62 /33 Wind reactions based on MWFRS Brg Width = -Min Reg = -Brg Width = 1.5 Min Req = -Members not listed have forces less than 375#

Lumber

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

Wind

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

***** BEARING ANALOG MODIFIED! *****



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

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

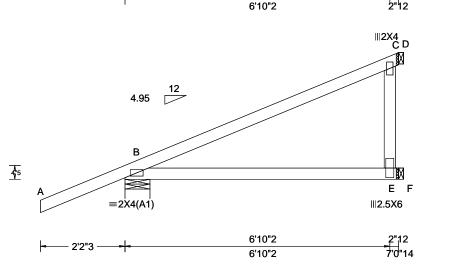
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SEQN: 392963 / HIP_ Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T39 / FROM: Qty: 1 DrwNo: 242.21.1212.04873 Shellev Truss Label: J08HJ / YK 08/30/2021

6'10"2



33.5	_
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BCDL: 10.00	TCLL: 20.00 TCDL: 10.00	Wind Criteria Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: Closed	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA	DefI/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): 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: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18	Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.018 B Creep Factor: 2.0 Max TC CSI: 0.556 Max BC CSI: 0.466 Max Web CSI: 0.214	

▲ Ma	aximu	ım Rea	ctions (I	bs)		
	G	ravity		No	on-Grav	∕ity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
в :	289	/-	/-	/-	/145	/-
E .	135	/-15	/-	/-	/200	/-
C :	218	/-	/-	/152	/-	/-
Wine	d read	tions b	ased on I	MWFRS		
В	Brg V	Vidth =	7.8	Min Re	q = 1.5	;
Е	Brg V	Vidth =	1.5	Min Re	q = -	
С	Brg V	Vidth =	1.5	Min Re	q = -	
Bear	ring B	is a rig	id surface	е.	-	
Mem	nbers	not liste	ed have f	orces less	s than 3	375#

Lumber

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

Special Loads

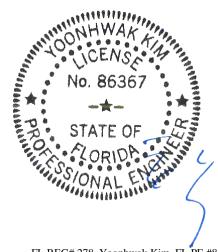
--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 0 plf at 2 plf at 0 plf at TC: From TC: From -2.18 to 0.00 to 62 plf at 0.00 2 plf at 7 07 BC: From -2.18 to 4 plf at 0.00 BC: From 2 plf at 0.00 to 2 plf at -49 lb Conc. Load at 1.48 145 lb Conc. Load at 4.31 BC: 9 lb Conc. Load at 1.48 BC: 105 lb Conc. Load at 4.31

Wind

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

Additional Notes

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



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

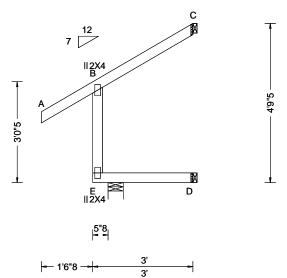
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SEQN: 9517 / JACK Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T64 / FROM: DrwNo: 242.21.1212.07796 Qty: 1 Shelley Truss Label: J09 / YK 08/30/2021



TCLL: 20.00 Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: Closed BCDL: 0.00 BCDL: 10.00 Enclosure: Closed BCDL: 10.00 BCLL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: Closed Lu: NA Cs: NA Snow Duration: NA Snow Dur	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.45 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 Enclosure: Closed Lu: NA Cs: NA Snow Duration: NA HORZ(LL): 0.009 B HORZ(TL): 0.018 B Creep Factor: 2.0 Max TC CSI: 0.193 Max BC CSI: 0.313 Max Web CSI: 0.090 NAME CSI: 0.090 Max Web CSI: 0.090 Max Web CSI: 0.090	TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
Risk Category: II EXP: C	TCDL: 10.00		Pf: NA Ce: NA	VERT(LL): 0.016 B 509 240
EXP: C Kzt: NA HORZ(TL): 0.008 B - 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 GCpi: 0.18 CREE	BCLL: 0.00		Lu: NA Cs: NA	VERT(CL): 0.031 B 261 180
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " Mean Height: 17.45 ft TCDL: 5.0 psf BCDL: 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: not in 4.50 ft GCpi: 0.18 Mean Height: 17.45 ft Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	BCDL: 10.00		Snow Duration: NA	HORZ(LL): 0.009 B
NCBCLL: 10.00 Soffit: 2.00 BUilding Code: FBC 7th Ed. 2020 Res. HVHZ FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): TEI VIV. 10.00	Des Ld: 40.00			HORZ(TL): 0.018 B
Soffit: 2.00 BCDL: 5.0 psf FBC 7th Ed. 2020 Res. HVHZ Max TC CSI: 0.193 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 GC	NCBCLL: 10.00	,	Building Code:	Creep Factor: 2.0
Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 Spacing: 24.0	Soffit: 2.00	•	FBC 7th Ed. 2020 Res. HVHZ	
Loc. from endwall: not in 4.50 ft GCpi: 0.18 T7/RT:20(0)/10(0) Plate Type(s):	Load Duration: 1.25	•		
GCpi: 0.18 Plate Type(s):	Spacing: 24.0 "	C&C Dist a: 3.00 ft	'	Max Web CSI: 0.090
NEW A DECIDE OF THE PROPERTY O			\ ' ' \ '	
I I/Vind Duration: 1.60		•	Plate Type(s):	
WAVE VEI. 21.01.01A.0321.20		Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

▲ Ma	axim	um Rea	ctions (I	bs)		
Gravity			No	on-Gra	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E :	332	/-	/-	/273	/97	/-
D	16	/-46	/-	/37	/32	/-
С	68	/-	/-	/41	/15	/81
Win	d read	ctions b	ased on I	MWFRS		
E	Brg V	Vidth =	5.5	Min Re	q = 1.5	5
D	Brg V	Vidth =	1.5	Min Re	q = -	
С	Brg V	Vidth =	1.5	Min Re	q = -	
Bea	ring E	is a rig	id surfac	e.		
Men	nbers	not liste	ed have f	orces less	s than	375#

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.

Left end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.



08/30/2021

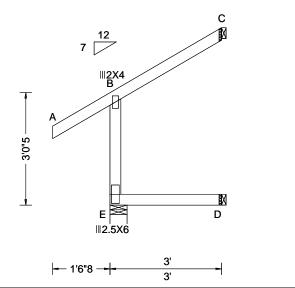
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SEQN: 9402 / JACK Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T62 / FROM: Qty: 2 DrwNo: 242.21.1212.04113 Shelley Truss Label: J10 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.001 B 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 B 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 B
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 B
NCBCLL: 10.00	Mean Height: 17.45 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.251
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.098
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.111
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
Lumber	·	·	

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 256 /204 /-60 /-/30 /-68 /41 /15 /81 Wind reactions based on MWFRS Brg Width = 5.5 Min Req = 1.5 Brg Width = 1.5 Min Req = -Brg Width = 1.5 Min Req = -Bearing E is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



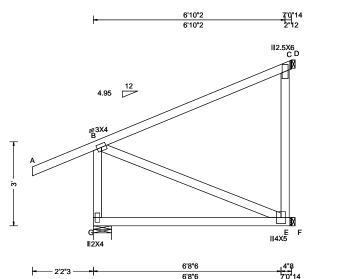
FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	
Loading Criteria (psf)	Wind Criteria Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 18.01 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Varies by Ld Case	DefI/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): -0.004 C 999 240 VERT(CL): 0.009 F 999 180 HORZ(LL): 0.003 C HORZ(TL): 0.006 C Creep Factor: 2.0 Max TC CSI: 0.553 Max BC CSI: 0.542 Max Web CSI: 0.191	
	Loc. from endwall: not in 4.50 ft GCpi: 0.18	FT/RT:20(0)/10(0) Plate Type(s):		ji
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	1
Lumbor	•	1		_

▲ N	laxim	um Read	ctions (I	bs)		
	G	avity		No	on-Grav	/ity
Loc	: R+	/ R-	/ Rh	/ Rw	/ U	/RL
G	283	/-	/-	/-	/137	/-
E	91	/-113	/-	/-	/225	/-
С	322	/-	/-	/180	/-	/-
Wii	nd read	ctions ba	sed on I	MWFRS		
		Vidth = 7		Min Re	q = 1.5	;
E	Brg V	Vidth = 1	1.5	Min Re	q = -	
С	Brg V	Vidth = 1	1.5	Min Re	q = -	
		is a rigi				
Me	mbers	not liste	d have f	orces less	s than 3	375#

Lumber

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

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 0 plf at 2 plf at 0 plf at TC: From TC: From -2.18 to 0.00 to 62 plf at 0.00 2 plf at 7 07 BC: From -2.18 to 4 plf at 0.00 BC: From 2 plf at 0.00 to 2 plf at -43 lb Conc. Load at 1.48 136 lb Conc. Load at 4.31 TC: BC: 40 lb Conc. Load at 1.48 BC: 76 lb Conc. Load at 4.31

Wind

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

Additional Notes

The overall height of this truss excluding overhang is



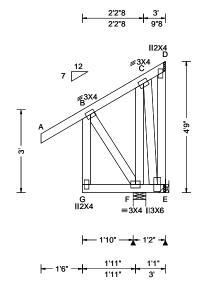
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.006 G 999 240	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.012 G 999 180	F 697 /- /-	/490 /42 /80
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.012 D	E - /-367 /-	/30 /250 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.023 D	Wind reactions based on MV	VFRS
NCBCLL: 10.00	Mean Height: 17.44 ft	Building Code:	Creep Factor: 2.0	F Brg Width = 5.5	Min Req = 1.5
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.177	3	Min Req = -
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.068	Bearing F is a rigid surface.	
		Rep Fac: Yes	Max Web CSI: 0.161	Members not listed have ford	
J - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 -	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		Maximum Web Forces Per Webs Tens.Comp.	Ply (IDS)
	GCpi: 0.18	Plate Type(s):			
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	F-C 0 -483	
Lumber				=	

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

Wind

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

End verticals not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -367# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.



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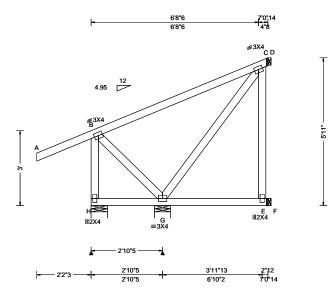
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SEQN: 392969 / HIP_ Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T33 / FROM: Qty: 1 DrwNo: 242.21.1212.11591 Shellev Truss Label: J11HJ / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): -0.002 F 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.004 C 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.002 C
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.003 C
NCBCLL: 10.00	Mean Height: 18.01 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.266
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.338
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.144
-	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

	A N	laxim	um Rea	ctions (I	bs)				
		G	ravity	-	No	on-Grav	vity		
	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
	Н	152	/-	/-	/-	/1	/-		
	G	331	/-	/-	/-	/316	/-		
	Е	209	/-	/-	/-	/25	/-		
	С	-	/-222	/-	/-	/6	/-		
	Wir	nd read	ctions ba	ased on I	MWFRS				
	Н	Brg V	Vidth = 3	7.8	Min Re	q = 1.5	;		
	G	Brg V	Vidth = 3	7.8	Min Re	q = 1.5	j		
	Е	Brg V	Vidth =	1.5	Min Re	q = -			
	С	Brg V	Vidth =	1.5	Min Re	q = -			
_	Bearings H & G are a rigid surface.								
	Mei	mbers	not liste	Members not listed have forces less than 375#					

Lumber

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

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 0 plf at 2 plf at 0 plf at TC: From TC: From -2.18 to 0.00 to 62 plf at 0.00 2 plf at 7 07 BC: From 4 plf at -2.18 to 0.00 2 plf at BC: From 0.00 to 2 plf at 1 lb Conc. Load at 1.42 -21 lb Conc. Load at 1.48 68 lb Conc. Load at 4.31 205 lb Conc. Load at 1.42 TC: TC: BC: BC: -131 lb Conc. Load at 4.25 BC: 60 lb Conc. Load at 4.31

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

Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -222# MAX. from a non-wind load case requires uplift connection. See Maximum

The overall height of this truss excluding overhang is 5-11-0.



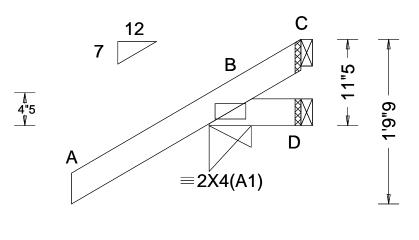
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Lo	ading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TC TC BC BC De NC So Lo	SELL: 20.00 SDL: 10.00 SDL: 10.00 SDL: 10.00 SDL: 10.00 SBCLL: 10.00 SBCLL: 10.00 SBCLL: 10.00 SBCLL: 2.00 ad Duration: 1.25 acing: 24.0 "	Wind Std: ASCE 7-16 Speed: 120 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: Any GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 B HORZ(TL): 0.001 B Creep Factor: 2.0 Max TC CSI: 0.203 Max BC CSI: 0.032 Max Web CSI: 0.000
H .	ımber	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

▲ Max		actions (I	•	_	
	Gravity		No	on-Gra	vity
Loc F	R+ /R-	/ Rh	/ Rw	/ U	/ RL
B 25	7 /-	/-	/191	/46	/38
D 5	/-17	/-	/13	/13	/-
C -	/-55	/-	/28	/49	/-
Wind I	eactions l	based on I	MWFRS		
B Bi	g Width =	= 5.5	Min Re	q = 1.5	5
D B	g Width =	= 1.5	Min Re	q = -	
C B	g Width =	= 1.5	Min Re	q = -	
Bearin	g B is a ri	gid surfac	e.		
Memb	ers not lis	ted have f	orces les	s than	375#

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.



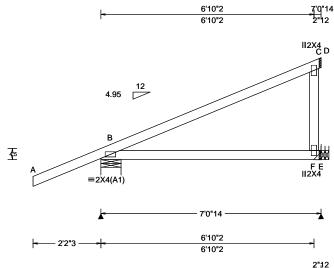
FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

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2"12

			7'0"14
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	Wind Criteria Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. HVHZ	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.009 B HORZ(TL): 0.018 B Creep Factor: 2.0 Max TC CSI: 0.474
Load Duration: 1.25 Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	Max BC CSI: 0.439 Max Web CSI: 0.158 VIEW Ver: 21.01.01A.0521.20

	Gravity	actions (II	•	on-Grav	/ity
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B 287	/-	/-	/-	/143	/-
E 206	/-	/-	/-	/46	/-
Wind rea	actions b	ased on N	MWFRS		
B Brg	Width =	7.8	Min Re	q = 1.5	;
E Brg	Width =	-	Min Re	q = -	
Bearing	B is a rig	gid surface	э.	•	
Member	s not list	ed have fo	orces les	s than 3	375#

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

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 0 plf at 2 plf at 0 plf at TC: From TC: From -2.18 to 0.00 to 62 plf at 0.00 2 plf at 7 07 BC: From 4 plf at -2.18 to 0.00 BC: From 2 plf at 0.00 to 2 plf at -49 lb Conc. Load at 1.48 124 lb Conc. Load at 4.31 TC: BC: 9 lb Conc. Load at 1.48 BC: 99 lb Conc. Load at 4.31

Wind

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

Additional Notes

The overall height of this truss excluding overhang is



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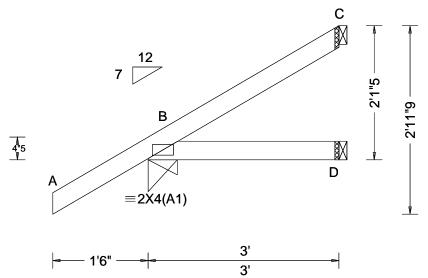
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SEQN: 9539 / JACK Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T76 / FROM: DrwNo: 242.21.1212.04982 Qty: 1 Shelley Truss Label: J13 / YK 08/30/2021



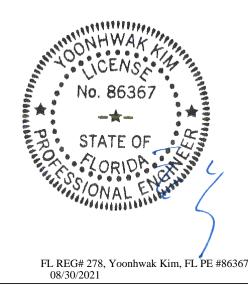
тс	LL: 20.00	Wind Criteria Wind Std: ASCE 7-16	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/#	▲ Maximum I Gravi
BC BC	DL: 10.00 LL: 0.00 DL: 10.00 s Ld: 40.00	Speed: 120 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 B HORZ(TL): 0.001 B	B 265 /- D 50 /- C 63 /-
NC So Lo	SEC: 40.00 BBCLL: 10.00 ffit: 2.00 ad Duration: 1.25 acing: 24.0 "	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	Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Creep Factor: 2.0 Max TC CSI: 0.163 Max BC CSI: 0.065 Max Web CSI: 0.000	Wind reaction B Brg Widt D Brg Widt C Brg Widt Bearing B is a Members not
Ļ	ımhor	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20]

	G	ravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	265	/-	/-	/180	/22	/73
D	50	/-	/-	/31	/-	/-
С	63	/-	/-	/36	/31	/-
Win	d read	ctions b	ased on I	MWFRS		
В	Brg V	Vidth =	5.5	Min Re	q = 1.5	5
D	Brg V	Vidth =	1.5	Min Re	q = -	
С	Brg V	Vidth =	1.5	Min Re	q = -	
Bea	ıring B	is a rig	id surfac	e.	-	
	_	_		orces les	s than	375#

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

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

Wind loading based on both gable and hip roof types.



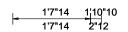
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

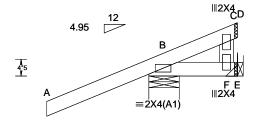
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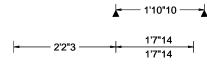


SEQN: 10166 / HIP_ Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T25 / FROM: Qty: 1 DrwNo: 242.21.1212.06217 Shellev Truss Label: J13HJ / YK 08/30/2021









			1'10"10
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 B
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 B
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.134
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.035
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.014
' '	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
	•	•	•

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 159 /-/45

14 /-18 /-/49 /-Wind reactions based on MWFRS

Brg Width = 7.8 Min Reg = 1.5Brg Width = -Min Req = -Bearing B is a rigid surface.

Members not listed have forces less than 375#

Lumber

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

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From -0 plf at -2.18 to 0.00 to 62 plf at 0.00 TC: From 2 plf at 0 plf at 2 plf at 1 89 BC: From -2.18 to 4 plf at 0.00 2 plf at BC: From 0.00 to 2 plf at -1 lb Conc. Load at 1.48 21 lb Conc. Load at 1.48 BC:

Wind

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



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

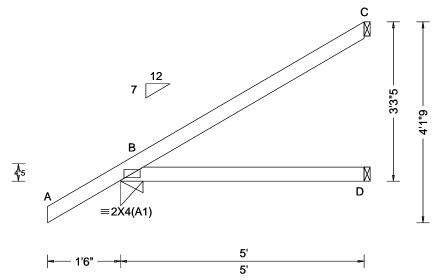
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SEQN: 10126 / **EJAC** Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T37 / FROM: Qty: 7 DrwNo: 242.21.1212.05671 Shelley Truss Label: J14 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): NA	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.004 B	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.008 B	
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.319	
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.237	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000	
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		l
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	
Lumber				

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 335 /220 /108 D 90 /-/51 129 /79 Wind reactions based on MWFRS Brg Width = 5.5 Min Req = 1.5 Brg Width = 1.5 Min Req = -Brg Width = 1.5 Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375#

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

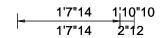
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

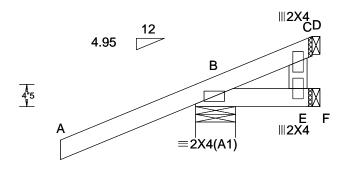
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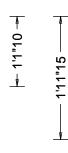
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SEQN: 392980 / HIP_ Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T118 FROM: Qty: 1 DrwNo: 242.21.1212.12529 Shellev Truss Label: J14HJ / YK 08/30/2021







212"3	ماء	1'7"14	2"12
223	77	1'7"14	110"10

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 120 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: Any GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.001 B HORZ(TL): 0.001 B Creep Factor: 2.0 Max TC CSI: 0.134 Max BC CSI: 0.044 Max Web CSI: 0.020
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

	A N	/laxim	um Rea	ctions (I	bs)		
		G	avity		No	on-Gra	vity
	Lo	R+	/ R-	/ Rh	/ Rw	/U	/ RL
	В	160	/-	/-	/-	/61	/-
	Е	1	/-42	/-	/-	/54	/-
	С	12	/-21	/-	/-	/36	/-
	Wi	nd read	ctions b	ased on I	MWFRS		
	В	Brg V	Vidth =	7.8	Min Re	q = 1.5	5
	Е	Brg V	Vidth =	1.5	Min Re	q = -	
	С	Brg V	Vidth =	1.5	Min Re	q = -	
	Be	aring B	is a rig	id surface	е.	-	
	Ме	mbers	not liste	ed have f	orces les	s than	375#
-							

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

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From TC: From -0 plf at -2.18 to 0.00 to 62 plf at 0.00 2 plf at 2 plf at 0 plf at 1 89 BC: From 4 plf at -2.18 to 0.00 BC: From 2 plf at 0.00 to 2 plf at -49 lb Conc. Load at 1.48 BC: 9 lb Conc. Load at 1.48

Wind

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

Additional Notes

The overall height of this truss excluding overhang is



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

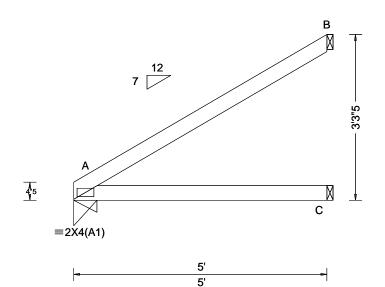
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SEQN: 9524 / **EJAC** Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T38 / FROM: DrwNo: 242.21.1212.06373 Qty: 1 Shelley Truss Label: J15 / YK 08/30/2021



J	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf BMVFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.006 A HORZ(TL): 0.012 A Creep Factor: 2.0 Max TC CSI: 0.371 Max BC CSI: 0.256 Max Web CSI: 0.000 VIEW Ver: 21.01.01A.0521.20	

▲ Ma	axim	um Rea	actions (I	bs)		
	G	avity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Α :	214	/-	/-	/129	/-	/63
C s	94	/-	/-	/55	/-	/-
В	140	/-	/-	/87	/36	/-
Wind	d read	ctions b	ased on I	MWFRS		
Α	Brg V	Vidth =	5.5	Min Re	q = 1.5	5
С	Brg V	Vidth =	1.5	Min Re	q = -	
В	Brg V	Vidth =	1.5	Min Re	q = -	
Bear	ring A	is a rig	id surface	э.	-	
Mem	nbers	not list	ed have fo	orces les	s than	375#

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.



08/30/2021

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

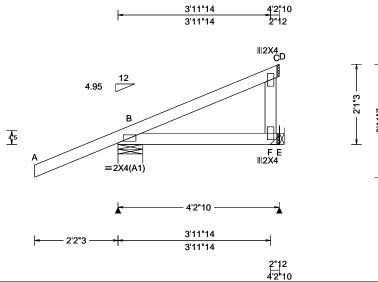
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 10106 / HIP_ Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T138 FROM: Qty: 1 DrwNo: 242.21.1212.04436 Shelley Truss Label: J15HJ / YK 08/30/2021



			72 10
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 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II	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): -0.001 B
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2	Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014	HORZ(TL): 0.001 B
Spacing: 24.0 "	C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	Max Web CSI: 0.027 VIEW Ver: 21.01.01A.0521.20
Lumban	ı	1*****	1

		ravity	ctions (I	•	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В :	206	/-	/-	/-	/73	/-
Е	111	/- /-1	/-	/-	/17	/-
Win	d read	ctions b	ased on I	MWFRS		
В	Brg V	Vidth =	7.8	Min Re	q = 1.5	5
Е	Brg V	Vidth =	-	Min Re	q = -	
Bea	ring B	is a rig	id surfac	е.	-	
Men	nbers	not liste	ed have f	orces les	s than	375#

Lumber

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

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 0 plf at 2 plf at 0 plf at TC: From TC: From -2.18 to 0.00 to 62 plf at 0.00 2 plf at 4 22 BC: From 4 plf at -2.18 to 0.00 2 plf at 0.00 to BC: From 2 plf at 24 lb Conc. Load at 1.48 TC: BC: -24 lb Conc. Load at 1.48 21 lb Conc. Load at 1.48

Hangers / Ties

(J) Hanger Support Required, by others

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



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

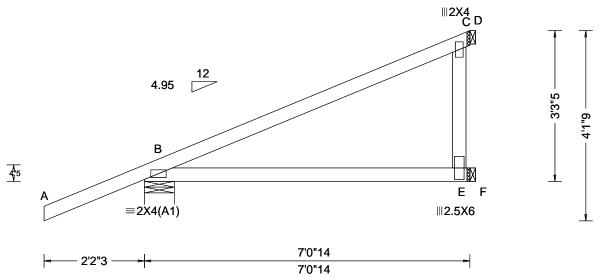
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SEQN: 392982 / HIP_ Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T54 / FROM: Qty: 1 DrwNo: 242.21.1212.04811 Shellev Truss Label: J16HJ / YK 08/30/2021



Loading Criteria (psf) Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 Wind Std: ASCE 7-16 TCDL: 10.00 Speed: 120 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: Any GCpi: 0.18 Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.009 B HORZ(TL): 0.018 B Creep Factor: 2.0 Max TC CSI: 0.478 Max BC CSI: 0.442 Max Web CSI: 0.214 VIEW Ver: 21.01.01A.0521.20

▲ N	laxim	um Rea	ctions (I	bs)		
	G	avity		No	on-Grav	∕ity
Loc	: R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	289	/-	/-	/-	/144	/-
Е	98	/-15	/-	/-	/188	/-
С	218	/-	/-	/142	/-	/-
Wir	nd read	ctions b	ased on I	MWFRS		
В	Brg V	Vidth =	7.8	Min Re	q = 1.5	;
Е	Brg V	Vidth =	1.5	Min Re	q = -	
С	Brg V	Vidth =	1.5	Min Re	q = -	
Bea	aring B	is a rig	id surface	е.		
Mei	mbers	not list	ed have f	orces less	s than 3	375#
-						

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

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 0 plf at 2 plf at 0 plf at 0.00 TC: From TC: From -2.18 to 0.00 to 62 plf at 2 plf at 7 07 BC: From -2.18 to 4 plf at 0.00 BC: From 2 plf at 0.00 to 2 plf at -49 lb Conc. Load at 1.48 124 lb Conc. Load at 4.31 TC: BC: 9 lb Conc. Load at 1.48 BC: 99 lb Conc. Load at 4.31

Wind

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

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

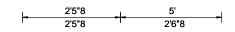
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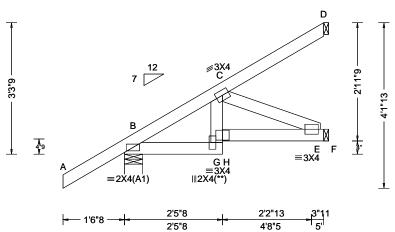
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SEQN: 9497 / **EJAC** Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T100 FROM: Qty: 2 DrwNo: 242.21.1212.05014 Shelley Truss Label: J19 / YK 08/30/2021





▲ M	laxim	um Rea	ctions (I	lbs)		
	G	avity	•	N	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В		/-	/-	/223	/18	/109
Е	115	/-	/-	/80	/10	/-
D	76	/-	/-	/47	/32	/-
Wir	nd read	ctions b	ased on I	MWFRS		
В	Brg V	Vidth =	5.5	Min Re	q = 1.5	5
Ε	Brg V	Vidth =	1.5	Min Re	q = -	
D	Brg V	Vidth =	1.5	Min Re	q = -	
Bea	aring B	is a rig	id surfac	e.		
Mei	mbers	not list	ed have f	orces les	s than	375#
]						

Lumber

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

Plating Notes

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

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

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

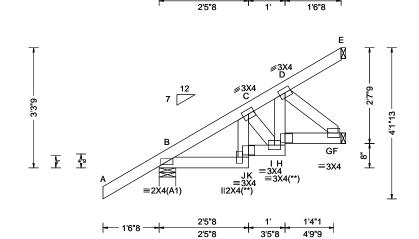
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SEQN: 10270 / **EJAC** Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T101 FROM: Qty: 4 DrwNo: 242.21.1212.12076 Shelley Truss Label: J20 / YK 08/30/2021



			.5
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.004 J 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.008 J 999 180
BCDL: 10.00	Risk Category: II EXP: C Kzt: NA	Snow Duration: NA	HORZ(LL): 0.003 G
Des Ld: 40.00	Mean Height: 15.00 ft		HORZ(TL): 0.006 G
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.172
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.069
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.164
-	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
Lumber			

▲ Maximum Reactions (lbs)							
	Gravity				on-Gra	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
в :	338	/-	/-	/223	/18	/109	
F	133	/-	/-	/96	/22	/-	
E 4	48	/-	/-	/30	/21	/-	
Wind	d read	ctions b	ased on I	MWFRS			
В	Brg V	Vidth =	5.5	Min Reg = 1.5			
F	Brg V	Vidth =	1.5	Min Re	q = -		
E	Brg V	Vidth =	1.5	Min Re	q = -		
Bearing B is a rigid surface.							
	_	-	ed have f		s than	375#	

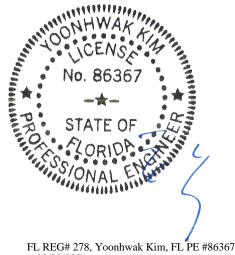
Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

Plating Notes

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

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

Wind loading based on both gable and hip roof types.



08/30/2021

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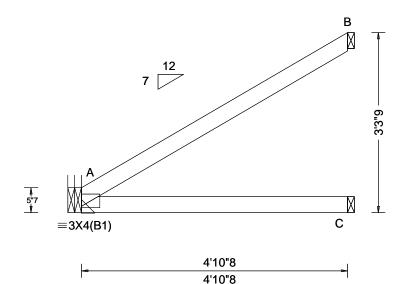
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 9933 / **EJAC** Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T74 / FROM: DrwNo: 242.21.1212.10716 Qty: 4 Shellev Truss Label: J21 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.005 A
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.010 A
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.369
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.249
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

▲ M			ctions (I	•		
	G	ravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Α	208	/-	/-	/125	/-	/62
С	92	, /-	/-	/53	/-	/-
В	139	/-	/-	/87	/37	/-
Win	d read	ctions b	ased on I	MWFRS		
Α	Brg V	Vidth =	-	Min Re	q = -	
С	Brg V	Vidth =	1.5	Min Re	q = -	
В	Brg V	Vidth =	1.5	Min Re	q = -	
Mer	nbers	not liste	ed have fo	orces les	s than	375#

Lumber

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

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') LUS26
Supporting Member: (2)2x6 SP 2400f-2.0E uses the following

(4) 0.148"x3" nails into supporting

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

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

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

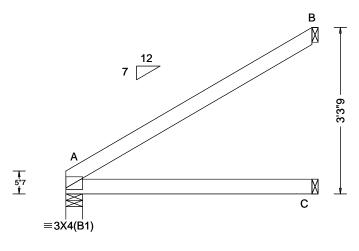
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SEQN: 9511 / **EJAC** Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T71 / FROM: DrwNo: 242.21.1212.10248 Qty: 1 Shelley Truss Label: J25 / YK 08/30/2021



L	4'10"8
Γ-	4'10"8

ŀ	TCLL: 20.00	Wind Criteria Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/#	
	TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00	Speed: 120 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): 0.005 A HORZ(TL): 0.009 A	
	NCBCLL: 10.00 Soffit: 2.00	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		Creep Factor: 2.0 Max TC CSI: 0.368 Max BC CSI: 0.247 Max Web CSI: 0.000	
L	Lumbor	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20]

Gra R+ , 09 ,	vity / R-	/ Rh		on-Gra	•	
	/ R-	/ Rh	/ Rw	/11		
na .			,	/ U	/ RL	
		/-	/126	/-	/62	
2 ,	/-	/-	/52	/-	/-	
39	/-	/-	/86	/37	/-	
reacti	ons bas	sed on M	WFRS			
rg Wi	dth = 4	.0	Min Re	q = 1.5	5	
rg Wi	dth = 1	.5	Min Re	q = -		
rg Wi	dth = 1	.5	Min Re	q = -		
Bearing A is a rigid surface.						
ers n	ot listed	have for	rces les	s than	375#	
	2 reacti rg Wi rg Wi rg Wi ng A is	2 /- 39 /- reactions bas rg Width = 4 rg Width = 1 rg Width = 1 ng A is a rigio	2 /- /- 39 /- /- reactions based on M rg Width = 4.0 rg Width = 1.5 rg Width = 1.5 rg A is a rigid surface.	2	2	

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

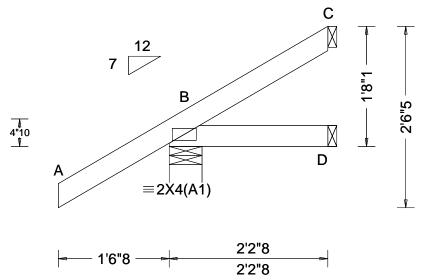
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SEQN: 393303 **EJAC** Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T45 FROM: DrwNo: 242.21.1339.49473 Qty: 4 Shelley Truss Label: J26 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	,
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	Wind Criteria Wind Std: ASCE 7-16 Speed: 120 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: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 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 Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Defl/CSI Criteria	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	
Lumber				

▲ Maximum Reactions (lbs)						
	G	Gravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	249	/-	/-	/174	/20	/42
D	33	/-	/-	/23	/-	/-
С	30	/-	/-	/27	/13	/-
Win	d read	ctions b	ased on I	MWFRS		
B Brg Width = 5.5				Min Reg = 1.5		
D	Brg V	Vidth =	1.5	Min Re	q = -	
С	Brg V	Vidth =	1.5	Min Re	q = -	
Bearing B is a rigid surface.						
	_	-	ed have f		s than	375#

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

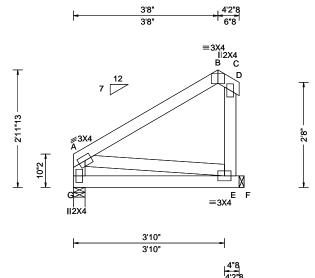
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 9440 / **EJAC** Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T13 / FROM: Qty: 2 DrwNo: 242.21.1212.11530 Shelley Truss Label: J27 / YK 08/30/2021



			720
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.010 B 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.021 B 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.012 D
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.026 D
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.258
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.189
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.114
-	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
Lumban			

▲ Maximum Reactions (lbs)							
	G	avity		No	on-Gra	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
G	175	/-	/-	/102	/-	/46	
Е	175	/-	/-	/115	/11	/-	
Win	d read	ctions b	ased on I	MWFRS			
G	Brg V	Vidth =	3.5	Min Req = 1.5			
Е	E Brg Width = 1.5			Min Re	q = -		
Bearing G is a rigid surface.							
Members not listed have forces less than 375#							

Lumber

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

Wind

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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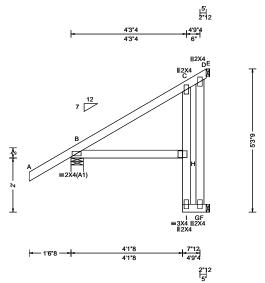
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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SEQN: 9422 / **EJAC** Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T80 / FROM: Qty: 3 DrwNo: 242.21.1212.05436 Shelley Truss Label: J28 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.024 H 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.047 H 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.015 C
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.030 C
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.358
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.169
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.150
- -	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
	•	•	•

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 338 /223 26 /-/19 /107 156 /18 Wind reactions based on MWFRS Brg Width = 5.5 Min Req = 1.5 Brg Width = 1.5 Min Req = -Brg Width = 1.5 Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

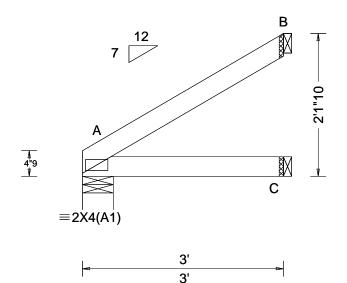
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SEQN: 9494 / JACK Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T79 / FROM: DrwNo: 242.21.1212.04110 Qty: 1 Shelley Truss Label: J29 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
Loading Criteria (psf)	Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014	Defl/CSI Criteria
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Max Web CSI: 0.000 VIEW Ver: 21.01.01A.0521.20

Gravity				
	/	No	on-Gra	vity
+ /R-	/ Rh	/ Rw	/ U	/ RL
1 /-	/-	/79	/-	/51
/-	/-	/32	/-	/-
/-	/-	/52	/36	/-
eactions	based on	MWFRS		
g Width	= 5.5	Min Re	q = 1.5	5
g Width	= 1.5	Min Re	q = -	
g Width	= 1.5	Min Re	q = -	
g Aisaı	rigid surfac	e.	•	
_	•		s than	375#
	1 /- /- /- eactions g Width g Width g Width g A is a	1 /- /- /- /- /- /- eactions based on g Width = 5.5 g Width = 1.5 g Width = 1.5 g A is a rigid surface	1	1 /- /- /79 /- /- /- /32 /- /- /- /52 /36 eactions based on MWFRS g Width = 5.5 Min Req = 1.5 g Width = 1.5 Min Req = - g Width = 1.5 Min Req = -

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

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

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

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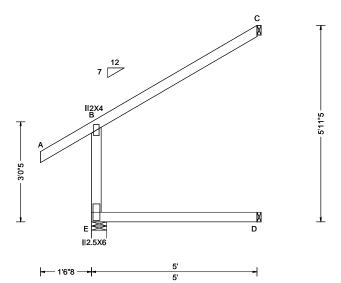
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SEQN: 392965 / **EJAC** Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T66 / FROM: DrwNo: 242.21.1212.12810 Qty: 2 Shelley Truss Label: J30 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.001 B 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 B 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 B
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 B
NCBCLL: 10.00	Mean Height: 18.03 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.388
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.298
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.109
-	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

▲ M	axim	um Rea	ctions (I	lbs)		
Gravity				No	on-Grav	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
		/-	/-	/254	/100	/-
D	100	/-	/-	/50	/-	/-
С	142	/-	/-	/58	/8	/122
Win	d read	ctions b	ased on I	MWFRS		
E Brg Width = 5.5 Min Reg						;
D	Brg V	Vidth =	1.5	Min Re	q = -	
С	Brg V	Vidth =	1.5	Min Re	q = -	
Bearing E is a rigid surface.						
	_	_		orces les	s than 3	375#

Lumber

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

Wind

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

The overall height of this truss excluding overhang is



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

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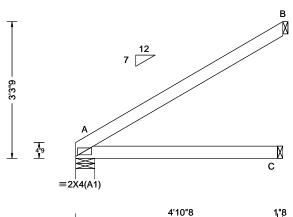
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SEQN: 9857 / **EJAC** Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T19 / FROM: DrwNo: 242.21.1212.11232 Qty: 1 Shelley Truss Label: J31 / YK 08/30/2021





4'10"8

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.005 A
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.011 A
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.372
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.246
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

	um Rea Gravity	•	on-Gra	n eith e	
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A 213	/-	/-	/128	/-	/63
C 92	/-	/-	/54	/-	/-
B 140	/-	/-	/87	/37	/-
Wind rea	ctions b	ased on I	MWFRS		
A Brg \	Nidth =	5.5	Min Re	q = 1.5	5
C Brg \	Nidth =	1.5	Min Re	q = -	
B Brg \	Nidth =	1.5	Min Re	q = -	
Bearing A	is a rig	e.			
Members	not list	ed have f	orces les	s than	375#

Lumber

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

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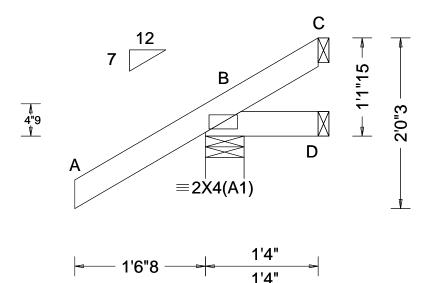
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SEQN: 10158 / **EJAC** Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T75 / FROM: Qty: 7 DrwNo: 242.21.1212.09123 Shelley Truss Label: J32 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 B
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 B
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.216
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.043
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
-	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
Lumber	•	•	

Gr	• •					
	avity	No	on-Gra	vity		
R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
47	/-	/-	/180	/36	/44	
3	/-8	/-	/15	/9	/-	
	/-24	/-	/24	/31	/-	
react	ions ba	sed on I	MWFRS			
rg W	idth = 5	5.5	Min Re	q = 1.5	5	
rg W	idth = 1	.5	Min Re	g = -		
Bearing B is a rigid surface.						
_	_			s than	375#	
	47 3 react frg W frg W frg B i	47 /- 3 /-8 /-24 reactions bairg Width = 5 reg Width = 1 reg Width = 1 reg B is a rigi	47 /- /- 3 /-8 /- /-24 /- reactions based on l rg Width = 5.5 rg Width = 1.5 rg Width = 1.5 rg B is a rigid surfac	47 /- /- /180 3 /-8 /- /15 /-24 /- /24 reactions based on MWFRS trg Width = 5.5 Min Re trg Width = 1.5 Min Re	47 /- /- /180 /36 3 /-8 /- /15 /9 /-24 /- /24 /31 reactions based on MWFRS trg Width = 5.5 Min Req = 1.9 trg Width = 1.5 Min Req = - trg Width = 1.5 Min Req = -	

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.



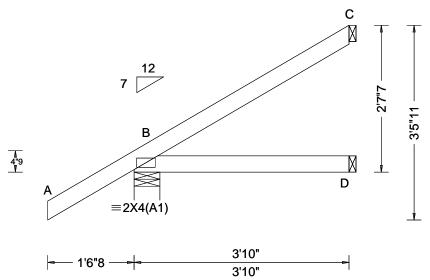
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 10118 / **EJAC** Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T43 / FROM: DrwNo: 242.21.1212.08060 Qty: 3 Shelley Truss Label: J33 / YK 08/30/2021



▲ M	axim	um Rea	actions (I	bs)		
	G	avity	No	on-Gra	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	296	/-	/-	/199	/2	/63
D	67	/-	/-	/39	/-	/-
С	91	/-	/-	/54	/27	/-
Win	d read	ctions b	ased on I	MWFRS		
В	Brg V	Vidth =	5.5	Min Re	q = 1.5	5
D	Brg V	Vidth =	1.5	Min Re	q = -	
С	Brg V	Vidth =	1.5	Min Re	q = -	
Bearing B is a rigid surface.						
	_	-		orces les	s than	375#

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.



08/30/2021

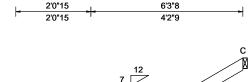
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

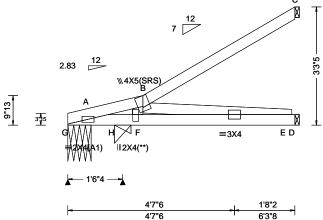
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 9871 / **EJAC** Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T36 / FROM: DrwNo: 242.21.1212.10576 Qty: 1 Shelley Truss Label: J34 / YK 08/30/2021





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria		
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#		
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.004 B 999 240		
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.008 B 999 180		
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.002 C		
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.003 C		
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0		
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.261		
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.196		
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.057		
-	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)			
	GCpi: 0.18	Plate Type(s):			
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20		

▲ N	/laxim	ım Rea	ctions (I	bs)			
	G	ravity		No	on-Gra	vity	
Lo	: R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
G	30	/-38	/-	/19	/20	/62	
Н	344	/-	/-	/211	/-	/-	
D	89	/-	/-	/52	/-	/-	
С	118	/-	/-	/72	/32	/-	
Wi	nd read	ctions b	MWFRS				
G Brg Width = 7.8 Min Reg = 1.5							
Н	Brg V	Vidth =	Min Re	q = 1.5	5		
D	Brg V	Vidth =	1.5	Min Re	q = -		
С	Brg V	Vidth =	1.5	Min Re	q = -		
Be	arings	G & H a	are a rigid	l surface.			
Me	mbers	not liste	ed have f	orces less	s than	375#	

Lumber

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

Plating Notes

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

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

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

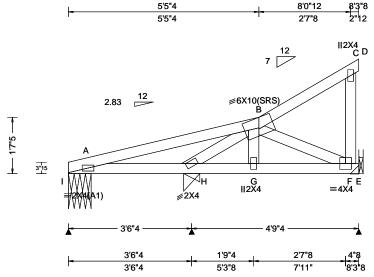
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SEQN: 9428 / **EJAC** Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T27 / FROM: Qty: 1 DrwNo: 242.21.1212.10404 Shellev Truss Label: J35 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.011 A 999 240	١.
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.020 A 999 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.003 A	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.006 A	
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	ľ
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.221	
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.230	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.071	
· -	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	
				-

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw / U /RL 168 /81 /58 292 /-/165 /-215 /137 /16 Wind reactions based on MWFRS Brg Width = 7.8 Min Req = 1.5Brg Width = 5.5 Min Req = 1.5 Brg Width = -Min Reg = Bearings I & H are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

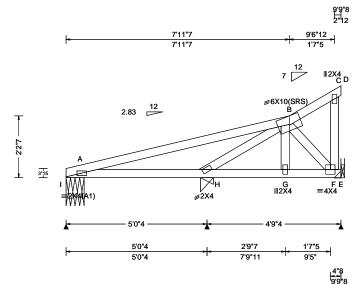
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SEQN: 9521 / **EJAC** Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T119 FROM: DrwNo: 242.21.1212.09529 Qty: 1 Shelley Truss Label: J36 / YK 08/30/2021



			990
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.034 A 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.070 A 841 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.010 A
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.020 A
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.548
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.496
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.082
- - - - - - - - - -	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

▲ M	laxim	ım Rea	ctions (I	bs)		
	G	ravity		No	on-Gra	vity
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL
ı	270	/-	/-	/128	/27	/61
Н	261	/-	/-	/155	/-	/-
Е	263	/-	/-	/147	/18	/-
Win	d read	ctions b	ased on I	MWFRS		
1	Brg V	Vidth =	7.8	Min Re	q = 1.5	5
Н	Brg V	Vidth =	5.5	Min Re	q = 1.5	5
Ε	Brg V	Vidth =	-	Min Re	q = -	
Bea	rings	I & H ar	e a rigid :	surface.		
Mer	nbers	not list	ed have fo	orces less	s than	375#
Max	cimun	n Web I	Forces P	er Ply (lb	s)	
		Γens.Co		,	•	

256 - 392

Lumber

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

Hangers / Ties

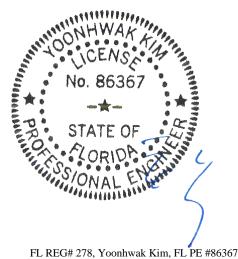
(J) Hanger Support Required, by others

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



08/30/2021

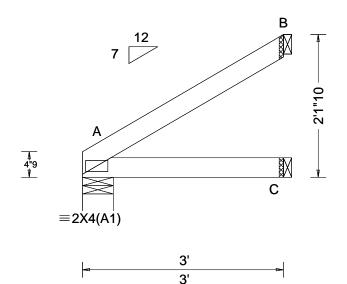
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SEQN: 17221 / JACK Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T60 / FROM: DrwNo: 242.21.1212.05092 Qty: 1 Shelley Truss Label: J39 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 A
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 0.00 ft		HORZ(TL): 0.003 A
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.118
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.081
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

	G	ravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Α	131	/-	/-	/79	/-	/51
С	55	/-	/-	/32	/-	/-
В	83	/-	/-	/52	/36	/-
Win	d read	ctions b	ased on I	MWFRS		
Α	Brg V	Vidth =	5.5	Min Re	q = 1.5	5
С	Brg V	Vidth =	1.5	Min Re	q = -	
В	Brg V	Vidth =	1.5	Min Re	q = -	
Bea	ring A	is a rig	id surfac	e.		
Mer	nbers	not liste	ed have f	orces les	s than	375#

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

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

Wind loading based on both gable and hip roof types.



08/30/2021

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

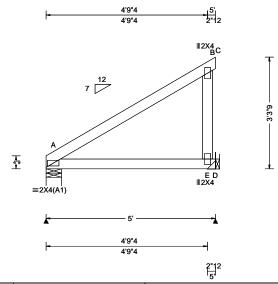
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 10205 / **EJAC** Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T59 / FROM: Qty: 1 DrwNo: 242.21.1212.11138 Shelley Truss Label: JG01 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	Wind Criteria Wind Std: ASCE 7-16 Speed: 120 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	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0)	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.016 A HORZ(TL): 0.031 A Creep Factor: 2.0 Max TC CSI: 0.391 Max BC CSI: 0.782 Max Web CSI: 0.323
	GCpi: 0.18 Wind Duration: 1.60	Plate Type(s):	VIEW Ver: 21.01.01A.0521.20
Lumbor	1	I AAV CA C	1

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 885 /103 /-650 /-/-/79 Wind reactions based on MWFRS Min Req = 1.5 Brg Width = 5.5 Brg Width = -Min Req = -Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Special Loads

---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 63 plf at 0.00 to 6 BC: From 10 plf at 0.00 to 1 BC: 585 lb Conc. Load at 1.06, 3.06 63 plf at 10 plf at 5 00

Hangers / Ties

(J) Hanger Support Required, by others

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



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

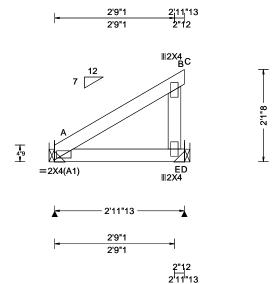
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SEQN: 10102 / JACK Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T1 FROM: Qty: 1 DrwNo: 242.21.1212.12951 Shelley Truss Label: JG02 / YK 08/30/2021



			-
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.005 A
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 4.50 ft GCpi: 0.18	Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.011 A Creep Factor: 2.0 Max TC CSI: 0.368 Max BC CSI: 0.967 Max Web CSI: 0.104
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
Lumber	•	•	

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 468 /49 /-429 /-/-/45 /-Wind reactions based on MWFRS Brg Width = -Min Reg = -Brg Width = -Min Req = -Members not listed have forces less than 375#

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

Special Loads

---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 63 plf at 0.00 to BC: From 20 plf at 0.00 to BC: 650 lb Conc. Load at 1.44 0.00 to 0.00 to 63 plf at 20 plf at 2 98

Hangers / Ties

(J) Hanger Support Required, by others (H2) = (J) Special hanger required (1)2x4 SP #2 supporting member.

Wind

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



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

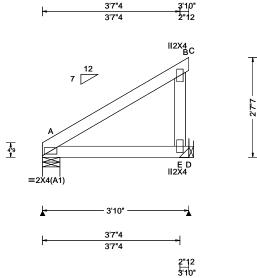
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SEQN: 10198 **EJAC** Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T30 FROM: Qty: 1 DrwNo: 242.21.1340.00010 Shelley Truss Label: JG03 / YK 08/30/2021



			*
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.004 A
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.007 A
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.251
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.365
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.057
'	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
Lamelan	·		

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 228 221 /-/-Wind reactions based on MWFRS Brg Width = 5.5 Min Reg = 1.5Brg Width = -Min Req = -Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Special Loads

---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 63 plf at 0.00 to BC: From 20 plf at 0.00 to BC: 130 lb Conc. Load at 1.92 0.00 to 0.00 to 63 plf at 20 plf at

Hangers / Ties

(J) Hanger Support Required, by others

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



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

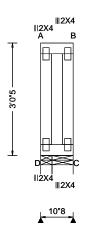
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SEQN: 9859 / FLAT Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T99 / FROM: Qty: 1 DrwNo: 242.21.1212.07045 Shelley Truss Label: SP01 / YK 08/30/2021



10"8 10"8

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph Enclosure: Closed	Pf: NA Ce: NA	VERT(LL): 0.000 B 999 240
BCLL: 0.00	Risk Category: II	Lu: NA Cs: NA	VERT(CL): 0.000 B 999 180
BCDL	EXP: C Kzt: NA	Snow Duration: NA	HORZ(LL): 0.000 A
Des Ld: 40.00 NCBCLL: 10.00	Mean Height: 17.02 ft TCDL: 5.0 psf	Building Code:	HORZ(TL): 0.000 A Creep Factor: 2.0
Soffit: 2.00 Load Duration: 1.25	BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2	FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014	Max TC CSI: 0.014 Max BC CSI: 0.007
Spacing: 24.0 "	C&C Dist a: 3.00 ft Loc. from endwall: Any	Rep Fac: Yes FT/RT:20(0)/10(0)	Max Web CSI: 0.014
	GCpi: 0.18	Plate Type(s):	
1	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL D 35 /-/18 35 /-/-/18 /-Wind reactions based on MWFRS Brg Width = 3.7 Min Reg = 1.5D Brg Width = 6.8 Min Req = 1.5 Bearings D & D are 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;

Bracing

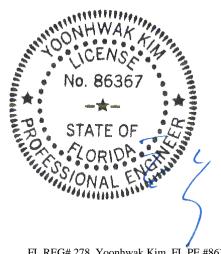
Fasten rated sheathing to one face of this frame.

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

End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

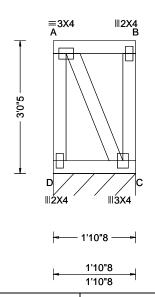
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SEQN: 9488 / FLAT Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T85 / FROM: Qty: 2 DrwNo: 242.21.1212.05545 Shelley Truss Label: SP02 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.000 B 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.000 B 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 B
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.000 B
NCBCLL: 10.00	Mean Height: 17.02 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.066
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.034
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.037
-	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
Lumbor	•	•	

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rw /U /RL C* 80 /-/-/41 Wind reactions based on MWFRS C Brg Width = 22.5 Min Req = -Bearing D is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

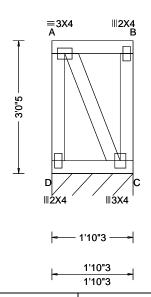
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SEQN: 9498 / FLAT Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T88 / FROM: Qty: 2 DrwNo: 242.21.1212.08326 Shelley Truss Label: SP03 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.000 B 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.000 B 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 B
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.000 B
NCBCLL: 10.00	Mean Height: 17.02 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.064
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.033
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.036
-	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
Lumber		•	•

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rw /U /RL C* 80 /-/-/41 Wind reactions based on MWFRS C Brg Width = 22.2 Min Req = -Bearing D is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

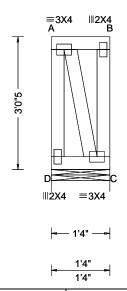
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SEQN: 9447 / FLAT Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T90 / FROM: Qty: 1 DrwNo: 242.21.1212.08890 Shelley Truss Label: SP04 / YK 08/30/2021



TCDL: 10.00 Speed: 120 mph Pf: NA Ce: NA VERT(LL): 0.000 B 999 2 BCLL: 0.00 Enclosure: Closed Lu: NA Cs: NA VERT(CL): 0.000 B 999 1 BCDL: 10.00 Risk Category: II Snow Duration: NA HORZ(LL): -0.000 B -	F) Defl/CSI Criteria	Snow Criteria (Pg,Pf in PSF)	Wind Criteria	Loading Criteria (psf)
BCLL: 0.00 Enclosure: Closed Lu: NA	NA PP Deflection in loc L/defl L/#	Pg: NA Ct: NA CAT: NA	Wind Std: ASCE 7-16	TCLL: 20.00
BCDL: 10.00 Risk Category: II Snow Duration: NA HORZ(LL): -0.000 B -	VERT(LL): 0.000 B 999 240	Pf: NA Ce: NA		TCDL: 10.00
EXP. C. Kzt: NA	VERT(CL): 0.000 B 999 180	Lu: NA Cs: NA		
HORZ(TI): 0.000 B -	HORZ(LL): -0.000 B	Snow Duration: NA		
Mean Height: 17.02 ft				Des Ld: 40.00
NCBCLL: 10.00 Mean regist. 17.02 it Building Code: Creep Factor: 2.0	Creep Factor: 2.0	Building Code:		NCBCLL: 10.00
Soffit: 2.00 BCDL: 5.0 psf FBC 7th Ed. 2020 Res. HVHZ Max TC CSI: 0.032	HZ Max TC CSI: 0.032	FBC 7th Ed. 2020 Res. HVHZ		Soffit: 2.00
Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 TPI Std: 2014 Max BC CSI: 0.016	Max BC CSI: 0.016	TPI Std: 2014		Load Duration: 1.25
Spacing: 24.0 " C&C Dist a: 3.00 ft Rep Fac: Yes Max Web CSI: 0.023	Max Web CSI: 0.023	Rep Fac: Yes	C&C Dist a: 3.00 ft	Spacing: 24.0 "
Loc. from endwall: Any FT/RT:20(0)/10(0)		* * * * * * * * * * * * * * * * * * * *	Loc. from endwall: Any	
GCpi: 0.18 Plate Type(s):		Plate Type(s):	GCpi: 0.18	
Wind Duration: 1.60 WAVE VIEW Ver: 21.01.01A.0521.20	VIEW Ver: 21.01.01A.0521.20	WAVE	Wind Duration: 1.60	

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL C 107 /-/-

Wind reactions based on MWFRS C Brg Width = 16.0 Min Req = 1.5Bearing D is a rigid surface.

Members not listed have forces less than 375#

Lumber

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

Wind

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

End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

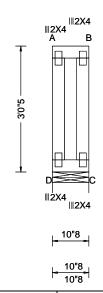
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SEQN: 9861 / FLAT Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T32 / FROM: Qty: 2 DrwNo: 242.21.1212.10138 Shelley Truss Label: SP05 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.02 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0)	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.000 B 999 240 VERT(CL): 0.000 B 999 180 HORZ(LL): -0.000 D HORZ(TL): 0.000 D Creep Factor: 2.0 Max TC CSI: 0.014 Max BC CSI: 0.007 Max Web CSI: 0.014
	GCpi: 0.18 Wind Duration: 1.60	Plate Type(s):	VIEW Ver: 21.01.01A.0521.20
Laurekan	<u> </u>	1	<u> </u>

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /R /Rw /U /RL С 70 /-/-/36

C Brg Width = 10.5 Min Req = 1.5Bearing D is a rigid surface.

Wind reactions based on MWFRS

Members not listed have forces less than 375#

Lumber

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

Bracing

Fasten rated sheathing to one face of this frame.

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

End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

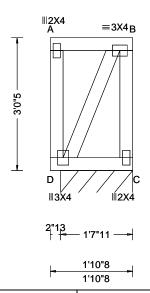
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SEQN: 9864 / FLAT Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T106 FROM: Qty: 1 DrwNo: 242.21.1212.07218 Shelley Truss Label: SP06 / YK 08/30/2021



Loading Criteria	(psf) Wind Criteria	Snow Cri	t eria (Pg	,Pf in PSF)	Defl/CSI Cri	teria		
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflectio	n in loc l	_/defl	L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA		Ce: NA	VERT(LL):	0.000 B	999	240
BCLL: 0.00	Enclosure: Closed	Lu: NA	Cs: NA		VERT(CL):	0.000 B	999	180
BCDL: 10.00	Risk Category: II	Snow Dura	ation: NA		HORZ(LL):	0.000 A	-	-
Des Ld: 40.00	 EXP: C Kzt: NA Mean Height: 17.02 ft 				HORZ(TL):	0.000 A	-	-
NCBCLL: 10.00	TCDL: 5.0 psf	Building C	ode:		Creep Facto	r: 2.0		
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th E	d. 2020 F	Res. HVHZ	Max TC CSI	0.066		
Load Duration: 1		1/2 to h TPI Std:	2014		Max BC CSI	0.034		
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: `	Yes .		Max Web CS	SI: 0.037		
	Loc. from endwall: Any	FT/RT:20(0)/10(0)					
	GCpi: 0.18	Plate Type	e(s):					
	Wind Duration: 1.60	WAVE			VIEW Ver: 2	1.01.01A.	0521.	20
Lumber								

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rw /U /RL C* 91 /-/-/49 Wind reactions based on MWFRS C Brg Width = 19.7 Min Req = -Bearing D is a rigid surface. Members not listed have forces less than 375#

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

Wind

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

End verticals not exposed to wind pressure.

Left cantilever is exposed to wind

Additional Notes

Truss must be installed as shown with top chord up.



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

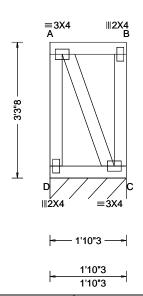
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SEQN: 9427 / FLAT Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T108 FROM: Qty: 1 DrwNo: 242.21.1212.08967 Shelley Truss Label: SP07 / YK 08/30/2021



TCDL: 10.00 Speed: 120 mph Pf: NA Ce: NA VERT(LL): 0.000 B 999 24 BCDL: 0.00 Enclosure: Closed Lu: NA Cs: NA VERT(CL): 0.000 B 999 18 BCDL: 10.00 Risk Category: II Snow Duration: NA HORZ(LL): -0.000 B - Des Ld: 40.00 Mean Height: 17.29 ft Ruilding Code: Creen Factor: 2 0	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
CCDL: 5.0 psf BCDL: 5.0 ps	TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.29 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 12.50 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.000 B 999 240 VERT(CL): 0.000 B 999 180 HORZ(LL): -0.000 B HORZ(TL): 0.000 B Creep Factor: 2.0 Max TC CSI: 0.049 Max BC CSI: 0.033 Max Web CSI: 0.025

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rw /U /RL C* 80 /-/-/41 Wind reactions based on MWFRS C Brg Width = 22.2 Min Req = -Bearing D is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.



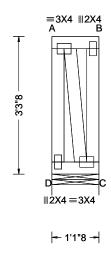
FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

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SEQN: 9520 / FLAT Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T111 FROM: Qty: 1 DrwNo: 242.21.1212.08545 Shelley Truss Label: SP08 / YK 08/30/2021



1'1"8 1'1"8

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.000 B 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.000 B 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 B
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.000 B
NCBCLL: 10.00	Mean Height: 17.29 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.017
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.012
Spacing: 24.0 "		Rep Fac: Yes	Max Web CSI: 0.013
	Loc. from endwall: not in 12.50 ft	FT/RT:20(0)/10(0)	
		Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
	•	•	•

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

/46

Wind reactions based on MWFRS C Brg Width = 13.5 Min Req = 1.5Bearing D is a rigid surface.

/-

С 90 /-

Members not listed have forces less than 375#

Lumber

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

Wind

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

End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

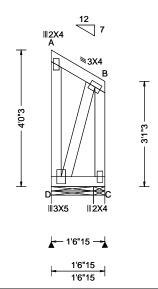
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 9505 / MONO Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T133 FROM: DrwNo: 242.21.1212.08763 Qty: 1 Shelley Truss Label: SP10 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.000 A 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.000 A 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 A
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 17.56 ft		HORZ(TL): 0.001 A
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.049
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.023
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.047
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL D 66 /-/29 66 /-/53 Wind reactions based on MWFRS Min Req = 1.5 Brg Width = 14.9 Brg Width = 4.0 Min Req = 1.5 Bearings D & C are a rigid surface. Members not listed have forces less than 375#

Lumber

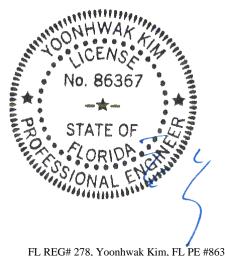
Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

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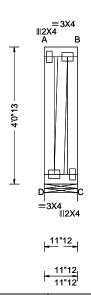
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 9869 / FLAT Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T50 / FROM: Qty: 1 DrwNo: 242.21.1212.08467 Shelley Truss Label: SP11 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
1.0220.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.000 B 999 240
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.000 B 999 180
	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 A
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	EXP: C Kzt: NA Mean Height: 18.07 ft TCDL: 5.0 psf BCDL: 5.0 psf	Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014	HORZ(TL): 0.001 A Creep Factor: 2.0 Max TC CSI: 0.018 Max BC CSI: 0.009
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18	Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Max Web CSI: 0.017
Louis	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL D 78 /-/-/40

D Brg Width = 11.8 Min Req = 1.5Bearing D is a rigid surface.

Wind reactions based on MWFRS

Members not listed have forces less than 375#

Lumber

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

Wind

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

End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

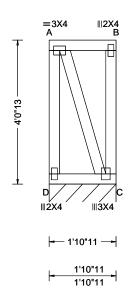
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SEQN: 9512 / FLAT Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T47 / FROM: Qty: 1 DrwNo: 242.21.1212.12841 Shelley Truss Label: SP12 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 18.07 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 GCpi: 0.18	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.000 B 999 240 VERT(CL): 0.000 B 999 180 HORZ(LL): -0.000 B HORZ(TL): 0.001 B Creep Factor: 2.0 Max TC CSI: 0.068 Max BC CSI: 0.034 Max Web CSI: 0.038
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
Lumbor			

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rw /U /RL C* 80 /-/-/41 Wind reactions based on MWFRS C Brg Width = 22.7 Min Req = -

Bearing D is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

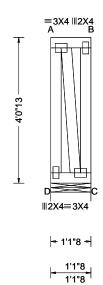
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SEQN: 9467 / FLAT Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T117 FROM: Qty: 1 DrwNo: 242.21.1212.08029 Shelley Truss Label: SP13 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00	Wind Std: ASCE 7-16 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 18.07 ft	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code:	PP Deflection in loc L/defl L/# VERT(LL): 0.000 B 999 240 VERT(CL): 0.000 B 999 180 HORZ(LL): -0.000 B HORZ(TL): 0.001 B Creep Factor: 2.0
NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	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 GCpi: 0.18	FBC 7th Ed. 2020 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Max TC CSI: 0.023 Max BC CSI: 0.012 Max Web CSI: 0.019
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
Lumban			

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /R /Rw /U /RL C 90 /-/-/46 /15

C Brg Width = 13.5 Min Req = 1.5Bearing D is a rigid surface.

Wind reactions based on MWFRS

Members not listed have forces less than 375#

Lumber

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

Wind

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

End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

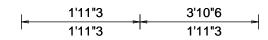
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

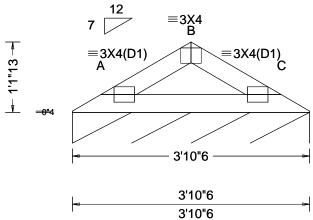
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SEQN: 9534 / VAL Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T126 FROM: Qty: 1 DrwNo: 242.21.1212.08061 Shelley Truss Label: V01 / YK 08/30/2021





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria				
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#				
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.003 C 999 240				
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.006 C 999 180				
	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 A				
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 19.97 ft		HORZ(TL): 0.002 A				
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0				
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.070				
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.093				
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000				
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)					
	GCpi: 0.18						
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20				
Laurahan							

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity / R-Loc R+ /Rh /Rw /U /RL C* 82 /-/-/38 /5 Wind reactions based on MWFRS C Brg Width = 46.4 Min Req = -Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWG VALTN160118 for valley details.



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

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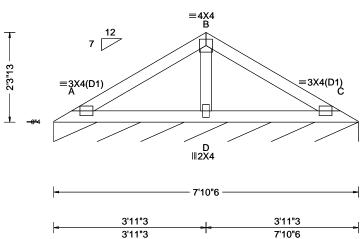
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SEQN: 9458 / VAL Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T125 FROM: Qty: 1 DrwNo: 242.21.1212.05326 Shellev Truss Label: V02 / YK 08/30/2021





Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria	
Pg: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/#	ŧ
Pf: NA Ce: NA VERT(LL): 0.006 C 999 2	40
Lu: NA Cs: NA VERT(CL): 0.013 C 999 1	80
Snow Duration: NA HORZ(LL): -0.003 C -	-
HORZ(TL): 0.006 C -	-
Building Code: Creep Factor: 2.0	
FBC 7th Ed. 2020 Res. HVHZ Max TC CSI: 0.190	
TPI Std: 2014 Max BC CSI: 0.166	
Rep Fac: Yes Max Web CSI: 0.070	
FT/RT:20(0)/10(0)	
Plate Type(s):	
WAVE VIEW Ver: 21.01.01A.0521.20	
	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL C* 83 /-/-/41 Wind reactions based on MWFRS C Brg Width = 94.4 Min Req = -Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWG VALTN160118 for valley details.



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

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SEQN: 9508 / VAL Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T124 FROM: Qty: 1 DrwNo: 242.21.1212.10076 Shellev Truss Label: V03 / YK 08/30/2021 5'11"3 11'10"6 5'11"3 5'11"3 ≡3X4(D1) =3X4(D1) _____ ∥2X4 11'10"6 5'11"3 5'11"3 5'11"3 11'10"6 ▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL C* 83 /-/-/42 /6 Wind reactions based on MWFRS C Brg Width = 142 Min Req = -Bearing A is a rigid surface. Members not listed have forces less than 375#

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.022 C 999 240	١.
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.046 C 999 180	Į,
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.010 C	ŀ
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.021 C	ŀ
NCBCLL: 10.00	Mean Height: 18.81 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.500	
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.414	L
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.176	ŀ
-	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		١.
	GCpi: 0.18	Plate Type(s):		-
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	l
Lumber				٠,

Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 484 - 170 B-C 484 - 170

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp.

B - D 298 - 708

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWG VALTN160118 for valley details.



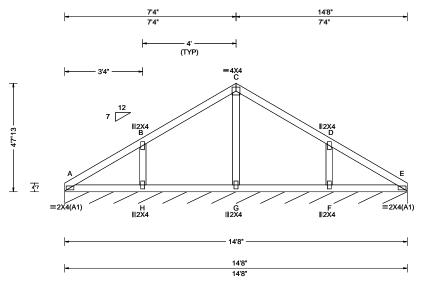
FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria			
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#			
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.001 E 999 240			
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.002 E 999 180			
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 B			
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 B			
NCBCLL: 10.00	Mean Height: 18.26 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0			
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.227			
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.113			
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.061			
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)				
	GCpi: 0.18	Plate Type(s):				
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20			
Lumbor						

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL E* 83 /-/-/44 Wind reactions based on MWFRS E Brg Width = 176 Min Req = -Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWG VALTN160118 for valley details.



FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

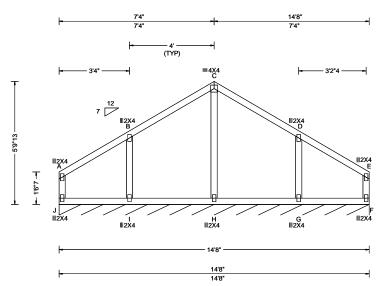
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 9468 / VAL Ply: 1 Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T130 FROM: Qty: 1 DrwNo: 242.21.1212.07108 Shelley Truss Label: V05 / YK 08/30/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.001 C 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.002 C 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.033 A
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 18.26 ft		HORZ(TL): 0.060 A
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.206
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.103
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.122
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL F* 83 /-/-/44 Wind reactions based on MWFRS Brg Width = 176 Min Req = -Bearing J is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

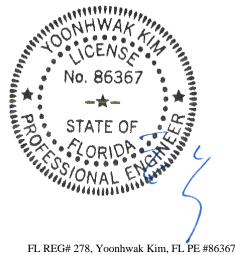
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWG VALTN160118 for valley details.



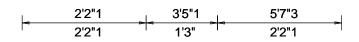
08/30/2021

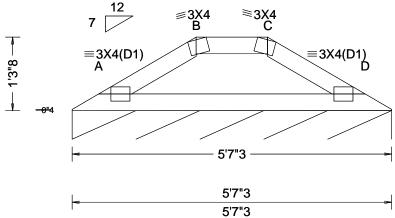
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.007 A 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.014 A 999 180
	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.003 A
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.006 A
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. HVHZ	Max TC CSI: 0.146
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.171
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
-	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
GCpi: 0.18		Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
1			

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL A* 83 /-/-/39 /4 Wind reactions based on MWFRS A Brg Width = 67.2 Min Req = -Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

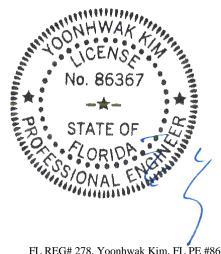
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWG VALTN160118 for valley details.

The overall height of this truss excluding overhang is



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SEQN: 393309 HIPS Job Number: 21-5856 Cust: R 215 JRef: 1X8e2150003 T24 Ply: 2 FROM: Qty: 1 DrwNo: 242.21.1340.16760 Shellev Truss Label: VG01 / YK 08/30/2021 2 Complete Trusses Required 7'8"8 9'11' 2'2"8 5'6" 2'2"8 ≡4X6 B ≡4X4 C 4^A70 E ≡3X4 **∥**2X4 $\equiv 2X4(A1)$ ≡2X4(A1) 2'4"4 2'6" 5'0"12 2'4"4 7'5" 9'11" Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) Non-Gravity Wind Std: ASCE 7-16 Gravity Pg: NA Ct: NA CAT: NA TCLL: 20.00 PP Deflection in loc L/defl L/# Loc R+ /R /Rh /Rw /U /RL Speed: 120 mph TCDL: 10.00 Pf: NA VERT(LL): 0.009 E 999 240 Ce: NA Enclosure: Closed VERT(CL): 0.019 E BCI I · 0.00 Lu: NA Cs: NA 999 180 Α 886 /-Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.002 B /-/-906 /-/73 EXP: C Kzt: NA Wind reactions based on MWFRS HORZ(TL): 0.005 B Des Ld: 40.00 Mean Height: 15.00 ft Brg Width = 5.5Min Rea = 1.5**Building Code:** Creep Factor: 2.0 NCBCLL: 0.00 TCDL: 5.0 psf Brg Width = 5.5 Min Req = 1.5FBC 7th Ed. 2020 Res. HVHZ Max TC CSI: 0.175 Soffit: 2.00 BCDL: 5.0 psf Bearings A & D are a rigid surface. TPI Std: 2014 Max BC CSI: 0.109 Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 Members not listed have forces less than 375# Rep Fac: No Max Web CSI: 0.107 Spacing: 24.0 " C&C Dist a: 3.00 ft Maximum Top Chord Forces Per Ply (lbs) Loc. from endwall: Any FT/RT:20(0)/10(0) Chords Tens.Comp. Chords Tens. Comp. Plate Type(s): GCpi: 0.18

Lumber

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

Nailnote

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

Use equal spacing between rows and stagger nails

Wind Duration: 1.60

in each row to avoid splitting.

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 0.00 to TC: From 63 plf at 63 plf at 32 plf at 2.21 to 32 plf at TC: From TC: From 63 plf at 7.71 to 63 plf at 9.92 BC: From BC: From 20 plf at 0.00 to 2.19 to 20 plf at 10 plf at 2 19 10 plf at 9.92 52 lb Conc. Load at 2.24, 7.68 TC: 30 lb Conc. Load at 4.27, 5.65 287 lb Conc. Load at 2.19 BC: 241 lb Conc. Load at 4.19 33 lb Conc. Load at 5.65 208 lb Conc. Load at 6.19, 8.19 BC: BC: 79 lb Conc. Load at 7.68

Wind

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.

WAVE **Additional Notes**

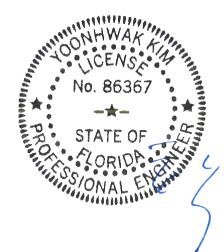
The overall height of this truss excluding overhang is 1-8-1

B - C 42 - 719 Maximum Bot Chord Forces Per Ply (lbs)

54 - 802

Chords Tens.Comp. Tens. Comp. Chords A - F 688 E-D 659 - 49 F-E 719 - 44

56



VIEW Ver: 21.01.01A.0521.20

FL REG# 278, Yoonhwak Kim, FL PE #86367 08/30/2021

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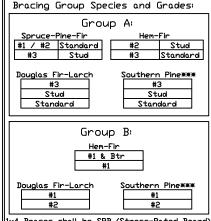
Gable Stud Reinforcement Detail

ASCE 7-16: 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Dr: 100 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00

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

		2×4 Vertica	Brace	No	(1) 1×4 *L	" Brace *	(1) 2×4 *L	" Brace *	(2) 2×4 1 L	" Brace **	(1) 2×6 'L	" Brace *	(2) 2×6 *L	Brace **
_	Spacing	Species	Grade		Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B
7		CDE	#1 / #2	4′ 10″	8′ 2 ″	8′ 6″	9′ 8″	10′ 1″	11′ 6″	12′ 0 ″	14′ 0″	14′ 0″	14′ 0″	14' 0"
	l . . .	SPF	#3	4′ 7″	7′ 9″	8′ 3″	9′ 7″	9′ 11″	11′ 5″	11' 10"	14′ 0″	14′ 0″	14′ 0″	14′ 0″
D	<u>ب</u> ا	HF	Stud	4′ 7″	7′ 8″	8′ 2″	9′ 7″	9′ 11″	11′ 5″	11′ 10″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
Ç	10		Standard	4′ 7″	6′ 7″	7′ 0″	8′ 10 ″	9′ 5″	11′ 5″	11′ 10″	13′ 10″	14′ 0″	14′ 0″	14′ 0″
به ا			#1	5′ 0 ″	8′ 4″	8′ 7″	9′ 10″	10′ 2″	11′ 8″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	*	LSP	#2	4′ 10″	8′ 2″	8′ 6″	9′ 8″	10′ 1″	11′ 6″	12′ 0 ″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	4		#3	4′ 8″	7′ 0″	7′ 5″	9′ 3″	9′ 11″	11′ 5″	11′ 11″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
=	N	IDFL	Stud	4′ 8″	7′ 0″	7′ 5″	9′ 3″	9′ 11″	11′ 5″	11′ 11″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
Q			Standard	4′ 7″	6′ 2″	6′ 7″	8′ 2 ″	8′ 9″	11′ 1″	11′ 10″	12′ 10 ″	13′ 9″	14′ 0″	14′ 0″
<u> </u>		CDE	#1 / #2	5′ 6 ″	9′ 5″	9′ 9″	11′ 1″	11′ 6″	13′ 2″	13′ 9″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
1	-	SPF	#3	5′ 3 ″	9′ 3″	9′ 9″	10′ 11″	11′ 4″	13′ 0″	13′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
`_	U	HF	Stud	5′ 3 ″	9′ 3″	9′ 7″	10′ 11″	11′ 4″	13′ 0″	13′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
là	Ιō	1 11	Standard	5′ 3 ″	8′ 1″	8′ 7″	10′ 10″	11′ 4″	13′ 0″	13′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
1~			#1	5′ 9 ″	9′ 6″	9′ 10″	11′ 3″	11′ 8″	13′ 4″	13′ 10″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
>		l SP	#2	5′ 6 ″	9′ 5″	9′ 9″	11′ 1″	11′ 6″	13′ 2″	13′ 9″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	Ò	l	#3	5′ 5 ″	8′ 6″	9′ 1″	11′ 0″	11′ 5″	13′ 1″	13′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
lω	1	IDFL	Stud	5′ 5 ″	8′ 6″	9′ 1″	11′ 0″	11′ 5″	13′ 1″	13′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
1 =			Standard	5′ 3 ″	7′ 6″	8′ 0″	10′ 0″	10′ 9″	13′ 0″	13′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
2		SPF	#1 / #2	6′ 1″	10′ 4″	10′ 8″	12′ 2 ″	12′ 8″	13′ 2″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
O		12LL	#3	5′ 9″	10′ 2″	10′ 7″	12′ 0″	12′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
0	U	HF	Stud	5′ 9 ″	10′ 2″	10′ 7″	12′ 0″	12′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	Ιō	1 11	Standard	5′ 9″	9′ 4″	9′ 11″	12′ 0″	12′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
$ \times $	~		#1	6′ 4″	10′ 6″	10′ 10″	12′ 4″	12′ 10″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
		SP	#2	6′ 1 ″	10′ 4″	10′ 8″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
Α	ù	L.	#3	5′ 11 ″	9′ 10″	10′ 6″	12′ 1″	12′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
1	15	IDFL	Stud	5′ 11″	9′ 10″	10′ 6″	12′ 1″	12′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
			Standard	5′ 9 ″	8′ 8 ″	9′ 3″	11′ 7″	12′ 5″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″



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

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

Provide uplift connections for 35 plf over continuous bearing (5 psf TC Dead Load).

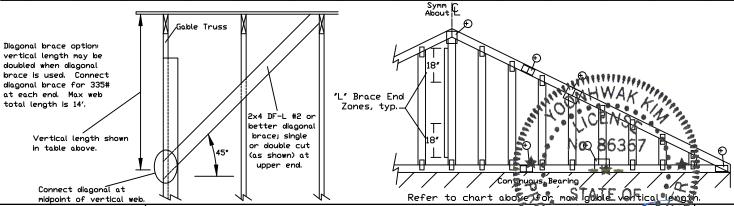
Gable end supports load from 4' 0" outlookers with 2' 0" overhang, or 12" plywood overhang.

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

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

Gable Vertical Plate Sizes					
Vertical Length	No Splice				
Less than 4' 0"	1X4 or 2X3				
Greater than 4' 0", but less than 11' 6"	2X4				
Greater than 11' 6"	3X4				
+ Refer to common truss design for					

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



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For more information see this job's general notes page and these web sites 30/2021 ALPINE: www.alpineitw.com; TPI: www.tpinstorg; SBCA: www.sbcindustry.org; ICC: www.lcestre.org; 278 Yoonhwak Kim, FL PE #86367

ASCE7-16-GAB12015 |DATE 01/26/2018 DRWG A12015ENC160118 MAX, TOT, LD, 60 PSF

514 Earth City Expressway Suite 242 Earth City, MO 63045

MAX. SPACING 24.0"

Gable Stud Reinforcement Detail

ASCE 7-16: 120 mph Wind Speed, 30' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Dr: 100 Mph Wind Speed, 30' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00 Dr: 100 mph Wind Speed, 30' Mean Height, Enclosed, Exposure D, Kzt = 1.00

						•								
		2x4 Vertica	Brace	No	(1) 1×4 *L	" Brace *	(1) 2×4 *L	." Brace *	(2) 2×4 1 L	." Brace **	(1) 2×6 " L	" Brace *	(2) 2x6 * L*	"Brace **
_	1	Species	Grade	Braces	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B
1		CDE	#1 / #2	4′ 7″	7′ 10″	8′ 1″	9′ 3″	9′ 7″	11′ 0″	11′ 5″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
'0	1	SPF	#3	4′ 4″	7′ 2 ′	7′ 8″	9′ 1″	9′ 5″	10′ 10″	11′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
$1 \geq 2$	1 4	HF	Stud	4′ 4″	7′ 2 ″	7′ 7″	9′ 1″	9′ 5″	10′ 10″	11′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
l a		1 11	Standard	4′ 4″	6′ 2 ″	6′ 7″	8′ 2″	8′ 9″	10′ 10″	11′ 4″	12′ 10 ″	13′ 9″	14′ 0″	14′ 0″
ĮΨ			#1	4′ 10″	7′ 11″	8′ 2″	9′ 4″	9′ 8″	11′ 1″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	🔪	ISP I	#2	4′ 7″	7′ 10″	8′ 1″	9′ 3″	9′ 7″	11′ 0″	11′ 5″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	4	ا ہے۔ ا	#3	4′ 6″	6′ 6 ″	6′ 11″	8′ 7″	9′ 2″	10′ 11″	11′ 4″	13′ 6″	14′ 0″	14′ 0″	14′ 0″
d	$ \alpha $	DFL	Stud	4′ 6″	6′ 6″	6′ 11″	8′ 7″	9′ 2″	10′ 11″	11′ 4″	13′ 6″	14′ 0″	14′ 0″	14′ 0″
			Standard	4′ 4″	5′ 9 ″	6′ 1″	7′ 7″	8′ 2″	10′ 4″	11′ 1″	11′ 11″	12′ 10 ″	14′ 0″	14′ 0″
<u>U</u> .U		SPF	#1 / #2	5′ 3 ″	8′ 11″	9′ 3″	10′ 7″	11′ 0″	12′ 7″	13′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
+>	l . .	266	#3	5′ 0 ″	8′ 10″	9′ 3″	10′ 5″	10′ 10″	12′ 5″	12′ 11″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
\	U	HF	Stud	5′ 0 ″	8′ 9 ″	9′ 2″	10′ 5″	10′ 10″	12′ 5″	12′ 11″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
٦	ا م	1 11	Standard	5′ 0 ″	7′ 6″	8′ 0″	10′ 1″	10′ 9″	12′ 5″	12′ 11″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
1~	_		#1	5′ 6 ″	9′ 1″	9′ 5″	10′ 8″	11′ 1″	12′ 8″	13′ 2″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
/		ISP I	#2	5′ 3 ″	8′ 11″	9′ 3″	10′ 7″	11′ 0″	12′ 7″	13′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	Ú	ا ہے۔ ا	#3	5′ 1 ″	7′ 11″	8′ 5″	10′ 6″	10′ 11″	12′ 6″	13′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
1 0	<u> </u>	IDFLI	Stud	5′ 0 ″	7′ 11″	8′ 5″	10′ 6″	10′ 11″	12′ 6″	13′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
abl			Standard	5′ 0 ″	7′ 0″	7′ 5″	9′ 4″	10′ 0″	12′ 5″	12′ 11″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
1 4		SPF	#1 / #2	5′ 9 ″	9′ 10″	10′ 2″	11′ 7″	12′ 1″	12′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	l . .	766	#3	5′ 6 ″	9′ 8″	10′ 1″	11′ 6″	11′ 11″	13′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
0		HF	Stud	5′ 6 ″	9′ 8″	10′ 1″	11′ 6″	11′ 11″	13′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
		1 11	Standard	5′ 6″	8′ 8 ″	9′ 3″	11′ 6″	11′ 11″	13′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
X	~		#1	6′ 0 ″	10′ 0″	10′ 4″	11′ 9″	12′ 2″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
1 3		ISP I	#2	5′ 9 ″	9′ 10″	10′ 2″	11′ 7″	12′ 1″	13′ 10″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
\ \	làι	ا ہے۔ ا	#3	5′ 8 ″	9′ 2″	9′ 9″	11′ 6″	12′ 0″	13′ 9″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	14′ 0″

Bracing Group Species and Grades: Group A: Spruce-Pine-Fir #1 / #2 Standard #2 Stud #3 Stud #3 Standard Douglas Fir-Larch Southern Pine*** #3 Stud Stud Standard Standard Group B: Hem-Fir #1 & Btr D<u>ouglas Fir-Larch</u> Southern Pine*** #1 #1 #2

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

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

Provide uplift connections for 70 plf over continuous bearing (5 psf TC Dead Load).

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

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

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

Gable Vertical Plate Sizes					
Vertical Length	No Splice				
Less than 4' 0"	1X4 or 2X3				
Greater than 4' 0", but less than 11' 6"	2X4				
Greater than 11' 6"	3X4				
+ Refer to common truss design for					

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

> |DATE 01/26/2018 DRWG A12030ENC160118

ASCE7-16-GAB12030

About E Gable Truss Diagonal brace option: vertical length may be doubled when diagonal brace is used. Connect diagonal brace for 385# at each end. Max web "L" Brace End total length is 14'. Zones, typ. 2x4 DF-L #2 or better diagonal brace; single Vertical length shown or double cut in table above. (as shown) at upper end. Continuous Bearing Connect diagonal at Refer to chart above son midpoint of vertical web.

11' 6"

10′ 9″

12' 0"

11' 6"

Symm

13′ 9″

13′ 8″

14' 0"

14' 0"

14' 0"

14' 0"

14' 0"

14' 0"

14' 0"

14′ 0″

14' 0"

14' 0"

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

5′ 8″

5′ 6″

Stud

Standard

9' 2"

8′ 1″

9' 9"

8′ 7″

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

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

MAX, TOT, LD, 60 PSF MAX. SPACING 24.0"

514 Earth City Expressway Suite 242 Earth City, MO 63045

CLR Reinforcing Member Substitution

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

Notes:

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

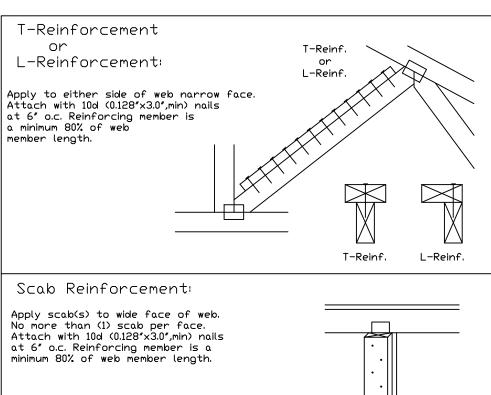
Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type.

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

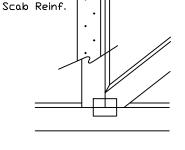
Web Member	Specified CLR	Alternative Reir	
Size	Restraint	T- or L- Reinf.	
2x3 or 2x4	1 row	2×4	1-2×4
2x3 or 2x4	2 rows	2×6	2-2×4
2×6	1 row	2×4	1-2×6
2×6	2 rows	2×6	2-2×4(*)
2×8	1 row	2×6	1-2×8
2×8	2 rows		2-2×6(*/)

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

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







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

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For more information see this job's general notes page and these web site 2/3 1/202 178 Yoonhwak Kim, FL PE #86367 ALPINE: www.alpineitw.com; TPI www.tpinstorg; SBCA: www.sbcindustry.org; ICC: www.lccsafe.org #278

IREF CLR Subst. ום אַד DATE 01/02/19 BC DL DRWG BRCLBSUB0119 **PSF** RC II **7**□T. LD. PSF DUR. FAC. SPACING

514 Earth City Expressway Suite 242 Earth City, MO 63045

ASCE 7-16: 120 mph, 30' Mean Height, Closed, Exposure C Common Residential Gable End Wind Bracing Requirements - Stiffeners

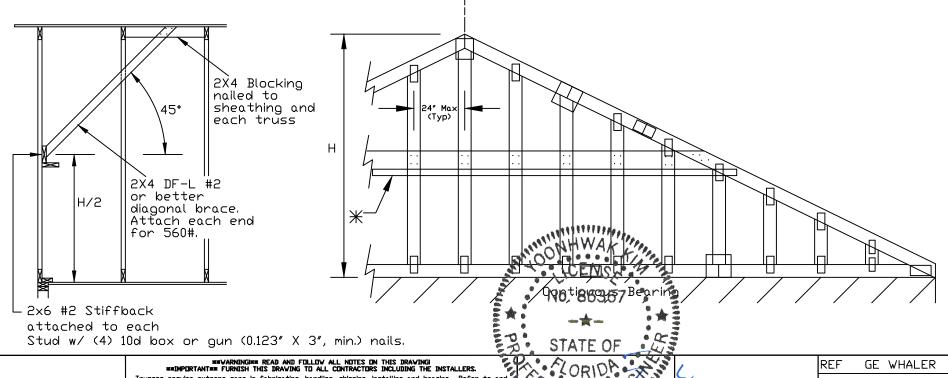
120 mph, 30ft. Mean Hgt, ASCE 7-16, Enclosed, Exp C, or 100 mph, 30ft. Mean Hgt, ASCE 7-16, Enclosed, Exp D, or 100 mph, 30ft. Mean Hgt, ASCE 7-16, Part. Enclosed, Exp C, Kzt = 1.00, Wind TC DL=5.0 psf, Wind BC DL=5.0 psf.

Lateral chord bracing requirements Top: Continuous roof sheathing Bot: Continuous ceiling diaphragm

See Engineer's sealed design referencing this detail for lumber, plates, and other information not shown on this detail.

Nails: 10d box or gun (0.128"x3",min) nails.

- H Less than 4'6" no stud bracing required
- H Greater than 4'6" to 7'6" in length provide a 2x6 stiffback at mid-height and brace stiffback to roof diaphragm every 6'0" (see detail below or refer to DRWG A12030ENC160118).
- H Greater than 7'6" to 12'0" max: provide a 2x6 stiffback at mid-height and brace to roof diaphragm every 4'0" (see detail below or refer to DRWG A12030ENC160118).
- ★ Optional 2x L-reinforcement attached to stiffback with 10d box or gun (0.128" x 3", min.) nails @ 6" o.c.



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DATE 01/02/2018

DRWG GABRST160118

MAX. TOT. LD. 60 PSF

MAX. SPACING

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

Provide connections for uplift specified on the engineered truss design.

Attach each "T" reinforcing member with

End Driven Nails:

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

(4) nails in the top and bottom chords.

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

(4) toenails in the top and bottom chords.

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

ASCE 7-05 Gable Detail Drawings

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

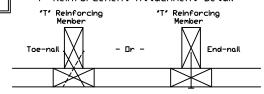
ASCE 7-10 & ASCE 7-16 Gable Detail Drawings

A11515ENC100118, A12015ENC100118, A14015ENC100118, A14013ENC100118,

A18015ENC100118, A12015ENC100118, A12015ENC100118, A12015ENC100118, A120015ENC100118, A120015ENC100118, A120015ENC100118, A120015ENC100118, A12003ENC100118, A12003ENC100118, A120030ENC100118, A120030ENC100118,

\$18015ENC100118, \$20015ENC100118, \$20015END100118, \$20015PED100118 \$11530ENC100118, \$12030ENC100118, \$14030ENC100118, \$16030ENC100118)

\$18030ENC100118, \$20030ENC100118, \$20030END100118, \$20030PED100118 See appropriate Alpine gable detail for maximum unreinforced gable vertical "T" Reinforcement Attachment Detail



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

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

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

Web Length Increase w/ "T" Brace

"T" Re	inf. "1	•
Mbr. S	ize Incr	ease
2×4	30	1 %
2×6	5 20	<u> </u>

Example:

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

"T" Reinforcing Member Size = 2x4

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

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

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

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

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For more information see this job's general notes page and these web sites; ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.org; ICC: www.fpisafe onbwak Kim EL PE #86367 REF LET-IN VERT DATE 01/02/2018 DRWG GBLLETIN0118

MAX. TOT. LD. 60 PSF DUR. FAC. ANY

MAX. SPACING 24.0"



514 Earth City Expressway Suite 242 Earth City, MO 63045

Ceiling

Rigid Sheathing

4 Nails

Nails

Spaced At

4 Nails

Reinforcing Member

Gable

Truss

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

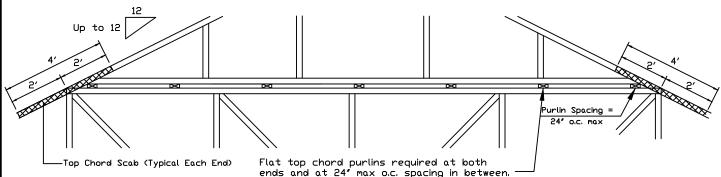
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0. Dr 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

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

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

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

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



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

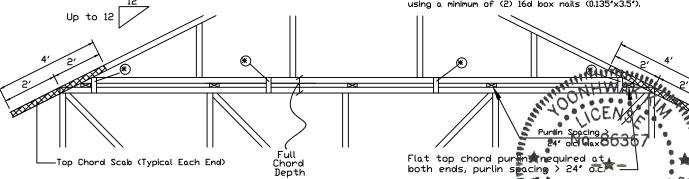
Attach purlin bracing to the flat top chord using (2) 16d box nails (0.135"x3.5").

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

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

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

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



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

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

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

APA Rated Gusset

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

2x4 Vertical Scabs

2x4 SPF #2, full chord depth scabs (each face). Attach @ 8' o.c. with (6) 10d box nails (0.128"x3") per scab, (3) in cap bottom chord and (3) in base truss top chord. Scabs may be staggered 4' o.c. front to back faces.

28PB Wave Piggyback Plate

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

DATE

PIGGYBACK

01/02/2018 DRWG PB160160118

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For more information see this job's general notes page and these web sites; 30/2021 ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.org; ICC: www.dccatepig# 278, Voonhwak Kim, FL PE #86367

SPACING

13723 Riverport Drive Suite 200 Maryland Heights, MO 63043

AN ITW COMPANY

24.0"

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

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

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

120 mph for HF & SPF (G = 0.42, min.).

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

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

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

All plates shown are Alpine Wave Plates.

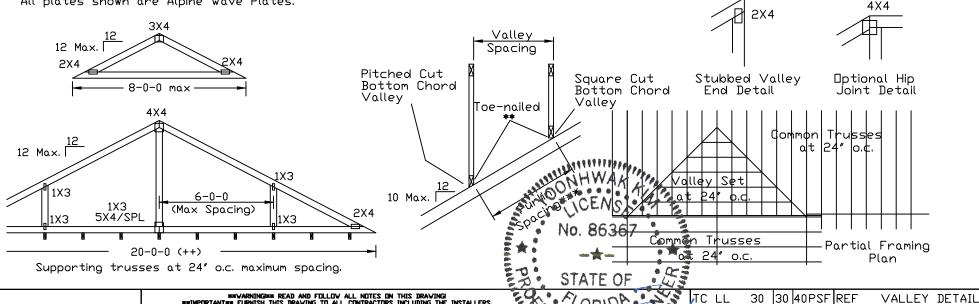
Unless specified otherwise on engineer's sealed design, for vertical valley webs taller than 7-9" apply 2x4 "T" reinforcement, 80% length of web, same species and grade or better, attached with 10d box $(0.128" \times 3.0")$ nails at 6" o.c. In lieu of "T" reinforcement, 2x4 Continuous Lateral Restraint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

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

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

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

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





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For more information see this job's general notes page and these web \$9250/202178, Yoonhwak Kim, FL PE \$86367191800 www.alpineitw.com; TPI: www.spinst.org; SBCA: www.sbcindustry.org; ICC: www.Rasofted.gr \$278, Yoonhwak Kim, FL PE \$86367

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