



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



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Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 20-4261
Job Description: Goodrum	
Address: FL	

Job Engineering Criteria:			
Design Code: FBC 2017 RES	IntelliVIEW Version: 19.02.02B		
	JRef #: 1WVe2150007		
Wind Standard: ASCE 7-10 Wind Speed (mph): 130	Roof Load (psf): 20.00-10.00- 0.00-10.00		
Building Type: Closed	Floor Load (psf): None		

This package contains general notes pages, 47 truss drawing(s) and 5 detail(s).

Item Drawing Number		Truss
1	140.20.1446.16053	A01
3	140.20.1446.21717	A03
5	140.20.1446.25903	A05
7	140.20.1446.29683	A07
9	140.20.1446.36053	A09
11	140.20.1446.58160	B02
13	140.20.1447.15477	B04
15	140.20.1447.21503	C01
17	140.20.1447.28090	C03
19	140.20.1447.49927	D01
21	140.20.1447.53687	D03
23	140.20.1448.03600	D05
25	140.20.1448.08057	G02
27	140.20.1448.19940	H01
29	140.20.1449.06517	HJ2
31	140.20.1449.10903	HJ4
33	140.20.1449.16230	J1
35	140.20.1449.20217	J1B
37	140.20.1449.25000	J3
39	140.20.1449.28160	J4
41	140.20.1449.31553	J5A
43	140.20.1449.35147	J7
45	140.20.1449.43490	P02
47	140.20.1449.50940	P04
49	PB160101014	
51	GBLLETIN0118	

Item	Drawing Number	Truss
2	140.20.1446.19263	A02
4	140.20.1446.24047	A04
6	140.20.1446.27873	A06
8	140.20.1446.31500	A08
10	140.20.1446.45380	B01
12	140.20.1447.11020	B03
14	140.20.1447.18630	B05
16	140.20.1447.24640	C02
18	140.20.1447.47360	C04
20	140.20.1447.51780	D02
22	140.20.1447.55783	D04
24	140.20.1448.05767	G01
26	140.20.1448.10483	G03
28	140.20.1448.29407	HJ1
30	140.20.1449.09527	НЈ3
32	140.20.1449.13630	HJ5
34	140.20.1449.18410	J1A
36	140.20.1449.23310	J2
38	140.20.1449.26067	J3A
40	140.20.1449.29490	J5
42	140.20.1449.33377	J6
44	140.20.1449.39183	P01
46	140.20.1449.46097	P03
48	BRCLBSUB0119	
50	A14030ENC101014	
52	A14015ENC101014	

### **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.: 13723 Riverport Drive, Suite 200, Maryland Heights, MO 63043; <a href="https://www.alpineitw.com">www.alpineitw.com</a>.
- 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: 344707 COMN Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T48 FROM: CDM DrwNo: 140.20.1446.16053 Qty: 1 Goodrum Truss Label: A01 / YK 05/19/2020 6'5"15 12'8" 15' 21'9" 28'6' 30'10' 37'0"1 43'6" 6'5"15 6'2"1 2'4" 6'9" 6'9' 2'4" 6'2"1 6'5"15 ≡5X6 E ∥2<u>X</u>4 ≅5X6 G ∥2X4 D ∥2X4 ∕ H 5X6 5X6 10'0" R ∥2X4 <sup>⊓</sup>Q ≡6X8 P ≡3X6 O ≡4X8 = N ≡3X6 L ∥2X4 12.5X6(B3) 12'8' 30'10" 1'8" 1'8" 6'5"15 6'2"1 9'1" 9'1" 6'2"1 6'5"15 6'5"15 12'8 21'9' 30'10' 37'0"1 43'6"

TCLL: 20.00				
TCDL: 10.00   Speed: 130 mph   Pf: NA	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	D
BCLL:         0.00         Enclosure: Closed         Lu: NA Cs: NA           BCDL:         10.00         Risk Category: II         Snow Duration: NA           Des Ld:         40.00         Mean Height: 15.00 ft         Code / Misc Criteria           NCBCLL:         10.00         BCDL: 5.0 psf         Bldg Code: FBC 2017 RES           Load Duration:         1.25         MWFRS Parallel Dist: h to 2h         TPI Std: 2014           Spacing:         24.0 "         C&C Dist a: 4.35 ft         Rep Fac: Yes	TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	F
Risk Category: II   EXP: C   Kzt: NA   Snow Duration: NA	TCDL: 10.00		Pf: NA Ce: NA	١
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 BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.35 ft  EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf BCDL: 5.0 psf RESTOR OF TOTAL STORY RESTORY RESTOR OF TOTAL STORY RESTOR OF TOTA	BCLL: 0.00		Lu: NA Cs: NA	٧
Des Ld: 40.00	BCDL: 10.00		Snow Duration: NA	H
NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "  TCDL: 5.0 psf BCDL: 5.	Des Ld: 40.00			ŀ
Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "  BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.35 ft  BIGG Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes	NCBCLL: 10.00		Code / Misc Criteria	C
Load Duration: 1.25 Spacing: 24.0 "  MWFRS Parallel Dist: h to 2h C&C Dist a: 4.35 ft  TPI Std: 2014 Rep Fac: Yes	Soffit: 2.00	•	Bldg Code: FBC 2017 RES	٨
Cao bist a. 4.55 it	Load Duration: 1.25		TPI Std: 2014	N
Loc. from endwall: not in 13.00 ft FT/RT:20(0)/10(0)	Spacing: 24.0 "	C&C Dist a: 4.35 ft	Rep Fac: Yes	١
		Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	

GCpi: 0.18

Wind Duration: 1.60

=)	DefI/CSI Criteria	
١A	PP Deflection in loc L/de	fl L/#
١.	VERT(LL): 0.074 H 999	360
	VERT(CL): 0.154 H 999	240
	HORZ(LL): 0.026 L -	-
_	HORZ(TL): 0.054 L -	-
	Creep Factor: 2.0	
s	Max TC CSI: 0.676	
	Max BC CSI: 0.906	
	Max Web CSI: 0.741	
	VIEW Ver: 19.02.02B.012	2.15

	▲ N	laxim	um Rea	actions (	(lbs)		
		G	avity		No	n-Gra	vity
)	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
)	В	459	/-	/-	/258	/24	/292
	Q	2203	/-	/-	/1261	/35	/-
	J	1299	/-	/-	/854	/62	/-
	Wir	nd read	ctions b	ased on	MWFRS		
	В	Brg V	Vidth =	3.5	Min Red	q = 1.	5
		Brg V	Vidth =	4.0	Min Re	q = 2.	2
	J	Brg V	Vidth =	4.0	Min Re	q = 1.5	5
	Bea	arings	B, Q, 8	J are a	rigid surfac	e.	
	Mei	mbers	not list	ed have	forces less	than	375#
	Max	ximun	n Top (	Chord Fo	orces Per	Ply (lk	os)
	Cho	ords <sup>-</sup>	Γens.C	omp.	Chords	Tens.	Ćomp.

### C-D 605 485 - 1317 G - H Ď-E 529 0 H - I 402 - 1378 E-F 335 -711 419 - 1820 I - J F-G 335 - 711

### **Bracing**

Lumber

Top chord: 2x4 SP #2;

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

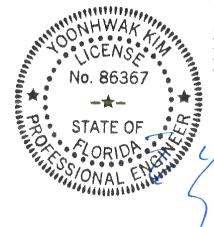
Rt Wedge: 2x4 SP #3;

(a) Continuous lateral restraint equally spaced on member

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

### **Additional Notes**

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



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

Chords	Tens.C	omp.	Chords	Tens. (	Jomp.	
O - N N - M		- 67 - 67	M - L L - J	1472 1474	- 257 - 257	_

### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	webs	Tens. (	comp.
C-Q	180 - 541	O - G	86	- 380
Q-E	305 - 1488	G - M	699	- 226
E - O	1242 - 303	M - I	158	- 445
F - O	206 - 501			

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\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

Plate Type(s):

WAVE



SEQN: 344710 COMN Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T15 FROM: CDM DrwNo: 140.20.1446.19263 Qty: 2 Goodrum Truss Label: A02 / YK 05/19/2020 6'5"15 12'8" 15' 21'9" 28'6" 30'10' 37'0"1 43'6" 6'5"15 6'2"1 2'4" 6'2"1 6'5"15 ∥2<u>X</u>4 ≅5X6 G =5X6 E **||2X4** 1112X4 (a) B2 N Q ||2X4 ≡4X5(B2) =3X6 =3X6 =4X8 K ∥2X4 12.5X6(B3) **∥7X**6 =6X8 12'8" 30'10" 6'5"15 6'2"1 9'1" 9'1" 6'2"1 6'5"15

21'9

Snow Criteria (Pg,Pf in PSF)

TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Code / Misc Criteria	VERT(LL) VERT(CL HORZ(LL HORZ(TL Creep Fac
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 to 2h C&C Dist a: 4.35 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Max TC C Max BC C Max Web

12'8"

)	DefI/CSI Criteria
Α	PP Deflection in loc L/defl L/#
	VERT(LL): 0.089 H 999 360
	VERT(CL): 0.169 H 999 240
	HORZ(LL): 0.028 K
_	HORZ(TL): 0.053 K
	Creep Factor: 2.0
3	Max TC CSI: 0.681
	Max BC CSI: 0.891
	Max Web CSI: 0.765
	VIEW Ver: 19.02.02B.0122.15

30'10'

▲ M	▲ Maximum Reactions (lbs)						
	Gravity			No	n-Grav	/ity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
В	440	/-	/-	/266	/20	/273	
Р	2498	/-	/-	/1250	/41	/-	
J	1295	/-	/-	/757	/47	/-	
Win	d reac	tions bas	sed on I	<b>MWFRS</b>			
B Brg Width = 3.5				Min Req = 1.5			
Р	Brg W	/idth = 4	.0	Min Re	q = 2.6		
J	J Brg Width = -			Min Req = -			
Bea	rings E	3 & Pare	e a rigid	surface.			
Men	nbers	not listed	have for	orces less	than 3	375#	
Maximum Top Chord Forces Per Ply (lbs)							
Cho	Chords Tens.Comp. Chords Tens.Comp.						

43'6"

37'0"1

C-D	609	- 53	G-H	478	- 1554
D-E	533	0	H - I	408	- 1618
E-F	331	- 891	I - J	441	- 2043
F-G	331	- 801			

Chords

K - .I

Tens. Comp.

- 298

- 298

1669

1670

Maximum Bot Chord Forces Per Ply (lbs)

- 99

Chords Tens.Comp.

1103

1103

Bra	ci	na

Lumber

Top chord: 2x4 SP #2;

Rt Wedge: 2x4 SP #3;

(a) Continuous lateral restraint equally spaced on

**Wind Criteria** 

### Hangers / Ties

Loading Criteria (psf)

(J) Hanger Support Required, by others

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

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

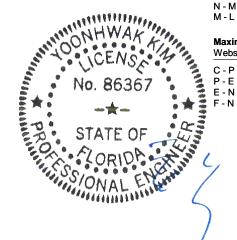
### Wind

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

### **Additional Notes**

Refer to General Notes for additional information Refer to DWG PB160101014 for piggyback details.

The overall height of this truss excluding overhang is 9-3-10.



Maximum Web Forces Per Ply (lbs)							
Webs	Tens.Comp.	Webs	Ťens. (	Comp.			
C - P	176 - 519	N - G	89	- 375			
P - E	309 - 1676	G-L	815	- 225			
E-N	1468 - 302	L-I	183	- 434			
F-N	204 - 500						

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\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

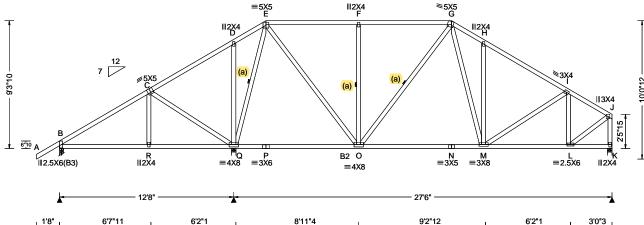
\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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



SEQN: 344719 COMN Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T31 FROM: CDM DrwNo: 140.20.1446.21717 Qty: 3 Goodrum Truss Label: A03 / YK 05/19/2020 12'9"12 21'9" 28'6" 30'11<mark>"</mark>12 37'1"13 40'2" 6'7"11 6'2"1 2'2"4 6'9' 2'5"12 6'2"1 3'0"3 =5<u>¥</u>5 **∥2**∑4 ≅5X5 **∥2X4** 



21'9'

Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria

TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.042 H 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.079 H 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.013 K
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.024 K
NCBCLL: 10.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.632
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.735
Spacing: 24.0 "	C&C Dist a: 4.02 ft	Rep Fac: Yes	Max Web CSI: 0.590
-   -	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15

12'9"12

	▲ M	laximu	ım Rea	actions (	lbs)			
	Gravity			No	n-Gra	vity		
)	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
)	В	532	/-	/-	/338	/12	/240	
	Q	2121	/-	/-	/1151	/-	/-	
	K	1230	/-	/-	/707	/-	/-	
	Win	d read	tions b	ased on	MWFRS			
	B Brg Width = 3.5			3.5	Min Reg = 1.5			
	Q	Brg V	Vidth =	4.0	Min Re	q = 2.	1	
	K	Brg V	Vidth =	4.0	Min Req = 1.5			
	Bea	rings l	B, Q, &	K are a	rigid surfa	ce.		
	Mer	mbers	not list	ed have	forces less	than	375#	
	Max	cimum	Top (	Chord Fo	orces Per	Ply (lk	os)	
	Cho	ords T	ens.C	omp.	Chords	Tens.	Comp.	

37'1"13

### Lumber

Loading Criteria (psf)

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

(a) Continuous lateral restraint equally spaced on

**Wind Criteria** 

### Loading

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

### Wind

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

Right end vertical not exposed to wind pressure.

### **Additional Notes**

Refer to General Notes for additional information Refer to DWG PB160101014 for piggyback details.

The overall height of this truss excluding overhang is

i <b>teria</b> C 2017 RES (0)	Creep Factor: 2.0 Max TC CSI: 0.632 Max BC CSI: 0.735 Max Web CSI: 0.590	Wind B E Q E K E Beari Meml	
	VIEW Ver: 19.02.02B.0122.15	Chord	
		B-C E-F F-G	

30'11"12

### Maximum Bot Chord Forces Per Plv (lbs)

Chords	Tens.Comp.		Chords	Tens. C	omp.
O - N	959	0	M - L	909	- 51
N - M	959	0			

G - H

H - I

201 - 1288

93 - 1043

99 - 1346

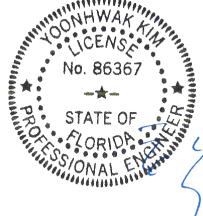
### Maximum Web Forces Per Ply (lbs)

- 412

58 - 910

58 -910

Webs	Tens.Comp.	Webs	Tens.	Comp.
C-Q	173 - 503	G - M	465	- 226
Q-E	0 - 1293	I-L	51	- 577
E - O	1203 0	L-J	1080	- 59
F - O	0 -500	J-K	98	- 1198



FL REG# 278, Yoonhwak Kim, FL PE #86367 05/19/2020

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6750 Forum Drive Suite 305 Orlando FL, 32821

SEQN: 344725 COMN Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T13 FROM: CDM DrwNo: 140.20.1446.24047 Qty: 1 Goodrum Truss Label: A04 / YK 05/19/2020 6'6"13 13 18'10"9 30'6' 36'11"3 43'6' 24'7"7 6'6"13 6'5"3 5'10"9 5'8"13 5'10"9 6'5"3 6'6"13 **₩6X8** ∥2<u>X</u>4 =5<u>X</u>6 =6X6 **≷3X4** €5X5 8'10"11 2 6"10 Q |||2X4 N ≡6X8 M ≡3X4 =3X6 =4X5(B2) L K ≡3X6 ≡3X4 J ∥2X4 III2.5X6(B3) 12'8 30'10" 5'10"9 5'10"9 6'6"13 6'5"3 5'8"13 6'5"3 6'6"13 11"3 43'6' n Reactions (lbs)

	6'6"13 ' 13'	18'10"9	24'7"7 30'6"	36'11"3
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Rea
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.089 K 999 360	Loc R+ /R-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.180 K 999 240	B 626 /-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.036 J	R 1849 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.075 J	I 1269 /-
NCBCLL: 10.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	Wind reactions b
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.560	B Brg Width =
1	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.990	R Brg Width =
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	1F1 Std. 2014	Max BC CSI. 0.990	I Brg Width =

TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE VIEW Ver: 19.02.02B.0122.15

Max Web CSI: 0.597

/\_ /-/1044 /306 /787 /222 ions based on MWFRS idth = 3.5Min Req = 1.5idth = 4.0Min Req = 1.8 Brg Width = -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.

/Rh

Non-Gravity

/124

/RL

/241

/Rw /U

/401

B - C	147 - 579	F-G	441 - 1179
D - E	349 - 797	G-H	468 - 1529
E-F	349 - 797	H - I	499 - 2006

### **Bracing**

Lumber

(a) Continuous lateral restraint equally spaced on member

C&C Dist a: 4.35 ft

Wind Duration: 1.60

Loc. from endwall: not in 13.00 ft

GCpi: 0.18

### Hangers / Ties

Spacing: 24.0 '

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

(J) Hanger Support Required, by others

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

### **Additional Notes**

Refer to General Notes for additional information The overall height of this truss excluding overhang is 8-1-10.



### Maximum Bot Chord Forces Per Ply (lbs)

Choras	rens.comp.		Cnoras	rens. (	∍omp.	
B - Q	415	- 157	L-K	1231	- 196	
Q-P	827	- 315	K-J	1635	- 346	
N - M	1173	- 196	J - I	1637	- 346	
M - L	1231	- 196				

### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
C - P	170 - 504	N - F	159 - 648	
D - P	367 - 1462	G-K	450 -80	
D - N	1354 - 335	K - H	180 - 481	
F - N	150 - 376			

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SEQN: 344730 COMN Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T30 FROM: CDM DrwNo: 140.20.1446.25903 Qty: 1 Goodrum Truss Label: A05 / YK 05/19/2020 12'9"12 15' 21'9" 28'6" 30'11"12 37'1"13 40'2" 6'7"11 6'2"1 6'9" 6'9" 2'5"12 6'2"1 3'0"3 ∥2<u>X</u>4 ≅5X5 G **∭5X5** E (a) 6\*10 ВЗ R ∥2X4 Q ≡4X8 =3X6 =3X8 ≡3X5 M ≡3X8 =5X5(B2) =4X5 ∥2.5X6

8'11"4

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.125 D 999 360	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.258 D 999 240	le
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.045 K	k
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.093 K	۷
NCBCLL: 10.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	E
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.828	k
Load Duration: 1.25	BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.765	E
Spacing: 24.0 "	C&C Dist a: 4.02 ft	Rep Fac: Yes	Max Web CSI: 0.571	1
Opaonig. 2 1.0	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		ļ
	GCpi: 0.18	Plate Type(s):		-
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15	] E
ı				

6'2"1

12'9"12

# В В

9'2"12

30'11"12

D-E

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 1788 /-/1086 /94 /240 1665 /-/937 /-Wind reactions based on MWFRS Brg Width = 4.0Min Req = 1.5 Brg Width = 4.0 Min Req = 2.0 Bearings B & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords B - C 616 - 2712 598 - 1886 C - D 608 - 2314 G-H 606 - 1885

3'0"3

40'2"

6'2"1

37'1"13

R	rae	٠ir	٠,

Lumber

Top chord: 2x4 SP #2;

Lt Wedge: 2x4 SP #3;

(a) Continuous lateral restraint equally spaced on member

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

6'7"11

6'7"11

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

Right end vertical not exposed to wind pressure.

### **Additional Notes**

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



### Maximum Bot Chord Forces Per Ply (lbs)

696 - 2256

598 - 1886

Chords	Tens.C	omp.	Chords	Tens. (	Jomp.
B-R	2236	- 515	O - N	1539	- 296
R-Q	2236	- 516	N - M	1539	- 296
Q - P	1741	- 344	M - L	1261	- 294
P - O	1741	- 344			

H - I

532 - 1945

363 - 1437

### Maximum Web Forces Per Ply (lbs)

Tens.Comp.	Webs	Tens.	Comp.
140 - 386	M - I	401	- 45
682 - 214	I-L	221	- 790
187 - 465	L-J	1500	- 347
577 - 135	J - K	402	- 1643
	140 - 386 682 - 214 187 - 465	140 - 386 M - I 682 - 214 I - L 187 - 465 L - J	140 - 386 M - I 401 682 - 214 I - L 221 187 - 465 L - J 1500

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\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

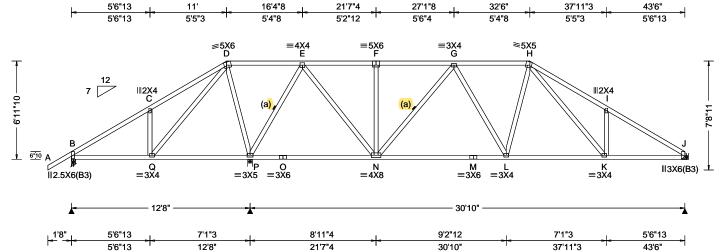
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6750 Forum Drive Suite 305 Orlando FL, 32821

SEQN: 344733 COMN Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T12 FROM: CDM DrwNo: 140.20.1446.27873 Qty: 1 Goodrum Truss Label: A06 / YK 05/19/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)		▲ Maximum Reactions (Ibs	s)
TCLL: 20.00 TCDL: 10.00	Wind Std: ASCE 7-10 Speed: 130 mph	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.064 L 999 360	Gravity Loc R+ /R- /Rh	/
BCLL: 0.00 BCDL: 10.00	Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Lu: NA Cs: NA Snow Duration: NA	HORZ(LL): 0.019 K	B 363 /-82 /- P 2440 /- /-	/1 /1
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf	Code / Misc Criteria Bldg Code: FBC 2017 RES	HORZ(TL): 0.040 K Creep Factor: 2.0  Max TC CSI: 0.655		Mir
Load Duration: 1.25 Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h C&C Dist a: 4.35 ft	TPI Std: 2014 Rep Fac: Yes	Max BC CSI: 0.897 Max Web CSI: 0.878		Mii Mii surfa

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

Plate Type(s):

WAVE

l	PP Deflection in loc	L/defl	L/#		G	ravity		No	n-Grav	vity
	VERT(LL): 0.064 L	999	360	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
	VERT(CL): 0.137 L	999	240	В	363	/-82	/-	/189	/45	/209
	HORZ(LL): 0.019 K	-	-	Р	2440	/-	/-	/1323	/426	/-
	HORZ(TL): 0.040 K	-	_	J	1118	/-	/-	/692	/191	/-
	Creep Factor: 2.0			Win	nd read	tions ba	ased on	MWFRS		
	Max TC CSI: 0.655			В	Brg V	Vidth =	3.5	Min Re	q = 1.5	j
	Max BC CSI: 0.897			Р	Brg V	Vidth =	4.0	Min Red	q = 2.5	5
				J	Brg V	Vidth =	-	Min Re	g = -	
	Max Web CSI: 0.878			Bea	irings I	В&Ра	re a rigio	d surface.	•	
				Mer	mbers	not liste	ed have t	forces less	than 3	375#
				Max	kimun	Top C	hord Fo	rces Per	Ply (lb	s)
	VIEW Ver: 19.02.02B	.0122	.15							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.

Loc. from endwall: not in 6.50 ft

GCpi: 0.18

Wind Duration: 1.60

### Hangers / Ties

(J) Hanger Support Required, by others

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

### **Additional Notes**

Refer to General Notes for additional information The overall height of this truss excluding overhang is 6-11-10.



			Chords		
 В - С	455	- 161	F-G	279	-712
C - D	449	- 162	G-H	382	- 1125
D-E	867	- 112	H - I	544	- 1724
	270	712	1 1	121	4757

### Maximum Bot Chord Forces Per Ply (lbs)

Chords	I ens.C	comp.	Chords	Tens. (	Jomp.
Q - P	261	- 636	L-K	1103	- 175
N - M	1075	- 180	K - J	1434	- 303
M - L	1075	- 180			

### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
C-Q	202 - 397	E - N	1230 - 280	
Q - D	679 - 235	N - G	174 - 599	
D-P	260 - 952	H - K	505 - 189	
P.F	431 - 1547			

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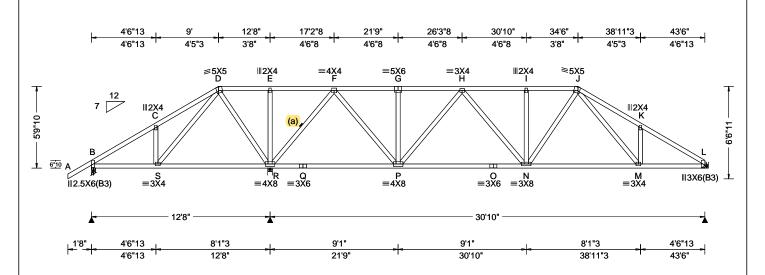
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SEQN: 344736 COMN Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T11 FROM: CDM DrwNo: 140.20.1446.29683 Qty: 1 Goodrum Truss Label: A07 / YK 05/19/2020



Loading Criteria (psf)	Wind Criteria
TCLL: 20.00	Wind Std: ASCE 7-10
TCDL: 10.00	Speed: 130 mph
BCLL: 0.00	Enclosure: Closed
BCDL: 10.00	Risk Category: II
Des Ld: 40.00	EXP: C Kzt: NA
NCBCLL: 10.00	Mean Height: 15.00 ft
1	TCDL: 5.0 psf
Soffit: 2.00	BCDL: 5.0 psf
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h
Spacing: 24.0 "	C&C Dist a: 4.35 ft
	Loc. from endwall: not in 6.50 ft
	GCpi: 0.18

Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)					
Pg: NA	Ct: NA	CAT: NA			
Pf: NA		Ce: NA			
Lu: NA	Cs: NA				
Snow Duration: NA					

# **Defl/CSI Criteria**

PP Deflection in loc L/defl	L/#
VERT(LL): 0.072 I 999	360
VERT(CL): 0.153 I 999	240
HORZ(LL): 0.021 M -	-
HORZ(TL): 0.043 M -	-
Creep Factor: 2.0	
Max TC CSI: 0.534	
Max BC CSI: 0.872	
Max Web CSI: 0.798	
VIEW Vor: 10.02.02P.0122	15

## ▲ Maximum Reactions (lbs)

	Gravity		Non-Gravity			
Loc R	+ /R-	/ Rh	/ Rw	/ U	/ RL	
В 335	/-138	/-	/166	/53	/177	
R 251	5 /-	/-	/1331	/449	/-	
L 109	6 /-	/-	/659	/187	/-	
Wind re	actions ba	ased on I	MWFRS			
B Bro	Width = 3	3.5	Min Re	q = 1.5	;	
R Bro	Width =	4.0	Min Re	q = 2.6	i	
L Bro	Width =	•	Min Re	q = -		
Bearings B & R are a rigid surface.						
Members not listed have forces less than 375#						
Maxim	um Top C	hord Fo	rces Per	Ply (lb:	s)	
Chords	Tens.Co	mp.	Chords	Tens.	Comp.	

			_		
B - C	502	- 157	G-H	270	- 783
C - D	497	- 148	H - I	424	- 1333
D - E	1121	- 192	I - J	424	- 1334
E-F	1120	- 192	J - K	526	- 1701
F-G	270	- 783	K-L	436	- 1742

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

Lumber

(a) Continuous lateral restraint equally spaced on member.

### Hangers / Ties

Top chord: 2x4 SP #2;

(J) Hanger Support Required, by others

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

### **Additional Notes**

Refer to General Notes for additional information The overall height of this truss excluding overhang is 5-9-10.



### Maximum Bot Chord Forces Per Ply (lbs)

Cnoras	rens.Comp.		Cnords	rens. (	Jomp.
B - S	142	- 402	O - N	1182	- 218
S - R	236	- 632	N - M	1170	- 217
P - O	1182	- 218	M - L	1427	- 316

### Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp.		Webs	Tens. Comp.	
S-D	578 - 191	F-P	1249	- 289
D-R	253 - 946	P - H	193	- 653
R-F	430 - 1620	J - M	393	- 144

FL REG# 278, Yoonhwak Kim, FL PE #86367 05/19/2020

\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

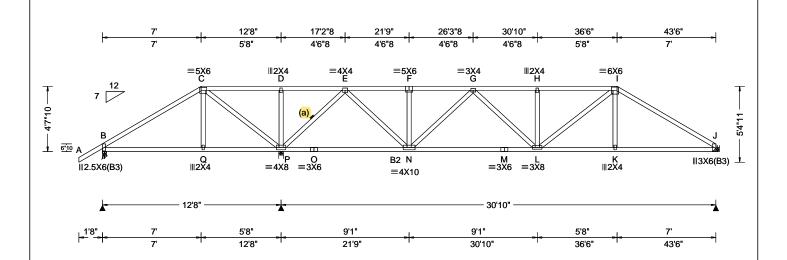
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SEQN: 344739 COMN Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T1 FROM: CDM DrwNo: 140.20.1446.31500 Qty: 1 Goodrum Truss Label: A08 / YK 05/19/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.091 H 999 360	Loc R+ /R- /Rh /
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.186 H 999 240	B 472 /-47 /- /2
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.020 K	P 2303 /- /- /
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.041 K	J 1137 /- /- /6
NCBCLL: 10.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	Wind reactions based on MWF
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.803	B Brg Width = 3.5 Mi
Load Duration: 1.25	BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.695	P Brg Width = 4.0 Mi
Spacing: 24.0 "	C&C Dist a: 4.35 ft	Rep Fac: Yes	Max Web CSI: 0.928	J Brg Width = - Mi
Opacing. 24.0	Loc. from endwall: not in 6.50 ft	FT/RT:20(0)/10(0)		Bearings B & P are a rigid surfa
	GCpi: 0.18	Plate Type(s):		Members not listed have forces
			\(\( \text{IF} \) \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	Maximum Top Chord Forces
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15	Chords Tens.Comp. Chor

Top chord: 2x4 SP #2;

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

### **Bracing**

(a) Continuous lateral restraint equally spaced on member.

### Hangers / Ties

(J) Hanger Support Required, by others

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

### **Additional Notes**

Refer to General Notes for additional information The overall height of this truss excluding overhang is 4-7-10.



<b>—</b> IVIU/	= maximum reactions (ibs)						
Gravity Non-Gravity					rity		
Loc F	₹+	/ R-	/Rh	/ Rw	/ U	/ RL	
B 47	72	/-47	/-	/259	/71	/145	
P 23	303	/-	/-	/1170	/394	/-	
J 11	137	/-	/-	/659	/206	/-	
Wind	react	ions bas	sed on M	WFRS			
B Brg Width = 3.5 Min Reg = 1.5							
P Brg Width = 4.0 Min Req = 2.3							
J Brg Width = - Min Reg = -							
Bearings B & P are a rigid surface.							
Members not listed have forces less than 375#							
	Maximum Top Chord Forces Per Ply (lbs)						

B - C	482 - 242	F-G	416 - 1207
C - D	1030 - 147	G-H	571 - 1811
D-E	1029 - 147	H-I	571 - 1811
E-F	416 - 1207	I - J	485 - 1737

Chords Tens. Comp.

### Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.	
B - Q	112	- 381	M - L	1656	- 408
Q - P	112	- 376	L-K	1403	- 327
N - M	1656	- 408	K - J	1399	- 328

### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. (	Comp.
C - P	219 - 1002	E-N	1325	- 294
D - P	162 - 387	N - G	183	- 630
P - E	435 - 1739	L-I	514	- 136

FL REG# 278, Yoonhwak Kim, FL PE #86367 05/19/2020

\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

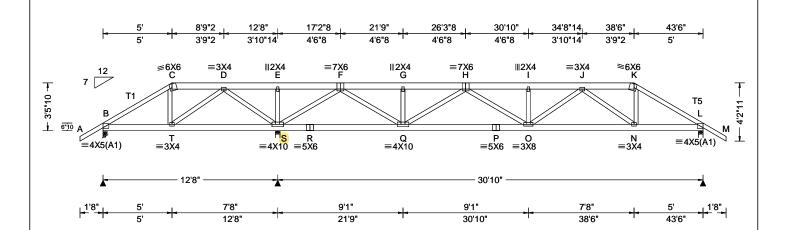
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SEQN: 344742 HIPS Ply: 2 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T32 FROM: CDM Qty: 1 DrwNo: 140.20.1446.36053 Goodrum Truss Label: A09 / YK 05/19/2020

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria
TCLL: 20.00	Wind Std: ASCE 7-10
TCDL: 10.00	Speed: 130 mph
BCLL: 0.00	Enclosure: Closed
BCDL: 10.00	Risk Category: II
Des Ld: 40.00	EXP: C Kzt: NA
	Mean Height: 15.00 ft
NCBCLL: 0.00	TCDL: 5.0 psf
Soffit: 2.00	BCDL: 5.0 psf
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2
Spacing: 24.0 "	C&C Dist a: 4.35 ft
	Loc. from endwall: not in 6.50 ft
	GCpi: 0.18
	Wind Duration: 1.60

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

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

# PP Deflection in Toc I /defl I /#

FF Deliection in Toc L/deli L/#
VERT(LL): 0.084 I 999 360
VERT(CL): 0.169 I 999 240
HORZ(LL): 0.013 N
HORZ(TL): 0.027 N
Creep Factor: 2.0
Max TC CSI: 0.302
Max BC CSI: 0.191
Max Web CSI: 0.768
VIEW Ver: 19.02.02B.0122.15

## Brg Width = 3.5 Brg Width = 4.0

▲ Maximum Reactions (lbs)

/-140

Wind reactions based on MWFRS

Gravity

Loc R+

4699 /-

2111 /-

В

S

F-Q

1670 - 329

Min Req = 1.6 Brg Width = 4.0 Min Rea = 1.5Bearings B, S, & L are a rigid surface.

/Rh

Non-Gravity

/472 /-

Min Req = 1.5

/1034 /-

/RL

/Rw / **U** 

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

D-E	1684 - 379	H-I	504	- 2341
E-F	1684 - 379	I-J	504	- 2341
F-G	298 - 1410	J-K	302	- 1404
G - H	298 - 1410	K-L	365	- 1669

# Lumber

Top chord: 2x6 SP 2400f-2.0E; T1,T5 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

in each row to avoid splitting.

### Special Loads

(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)						
TC: From	63 plf at	-1.67 to	63 plf at	5.00		
TC: From	32 plf at	5.00 to	32 plf at	38.50		
TC: From	63 plf at	38.50 to	63 plf at	45.17		
BC: From	5 plf at	-1.67 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	38.47		
BC: From	20 plf at	38.47 to	20 plf at	43.50		
BC: From	5 plf at	43.50 to	5 plf at	45.17		
TC: 206 lb Conc. Load at 5.03,38.47						
TC: 133 lb Conc. Load at 7.06, 9.06,11.06,13.06						
15.06,17.06,	19.06,21.06,	22.44,24.44	1,26.44,28.4	4		

30.44,32.44,34.44,36.44

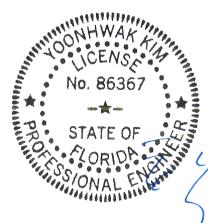
BC: 224 lb Conc. Load at 5.03,38.47 BC: 94 lb Conc. Load at 7.06, 9.06,11.06,13.06 15.06,17.06,19.06,21.06,22.44,24.44,26.44,28.44

30.44,32.44,34.44,36.44

Wind loads and reactions based on MWFRS.

### **Additional Notes**

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



E-F	1684 - 379	I - J	504	- 2341
F-G	298 - 1410	J - K	302	- 1404
G - H	298 - 1410	K-L	365	- 1669

### Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. T-S - 859 162 O - N 1992 - 452 Q - P 2055 - 472 N-I 1403 - 302 P - 0 2055 - 472

### Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. T - D Q-H 209 D-S 274 - 1108 O - J 440 -66 S-F 484 - 2027 J - N 192 - 754

K-N

FL REG# 278, Yoonhwak Kim, FL PE #86367 05/19/2020

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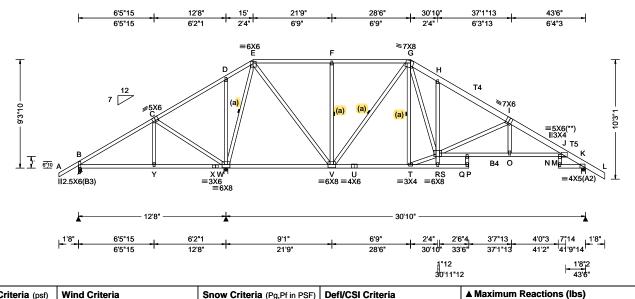
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org



612

- 79

SEQN: 344747 COMN Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T60 FROM: CDM Qty: 2 DrwNo: 140.20.1446.45380 Goodrum Truss Label: B01 / YK 05/19/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.181 O 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.348 O 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.127 M
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.243 M
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.860
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.878
Spacing: 24.0 "	C&C Dist a: 4.35 ft	Rep Fac: Yes	Max Web CSI: 0.945
, ,	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: 19.02.02B.0122.15

above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).

Lu: NA Cs: NA	VERT(CL): 0.348 O 999 240			
Snow Duration: NA	HORZ(LL): 0.127 M			
	HORZ(TL): 0.243 M			
Code / Misc Criteria	Creep Factor: 2.0			
Bldg Code: FBC 2017 RES	Max TC CSI: 0.860			
TPI Std: 2014	Max BC CSI: 0.878			
Rep Fac: Yes	Max Web CSI: 0.945			
FT/RT:20(0)/10(0)				
Plate Type(s):				
WAVE	VIEW Ver: 19.02.02B.0122.15			
Laterally brace top chord below filler and bottom chord				

Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C G - H 449 - 1366 C-D 1197 H - I 387 - 1487 - 152 D-E I-J - 2143 1124 - 48 454 F-F 298 - 536 .I - K 225 - 704

/Rh

Non-Gravity

/RL

/292

/-

/Rw /U

/1426 /39

Min Req = 1.5

Min Req = 3.1

Min Rea = 1.5

/146

/788 /58

Lumber

(a) Continuous lateral restraint equally spaced on member.

Top chord: 2x4 SP #2; T4,T5 2x6 SP 2400f-2.0E; Bot chord: 2x4 SP #2; B4 2x4 SP M-31;

### **Plating Notes**

Webs: 2x4 SP #3;

All plates are 2X4 except as noted.

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

### Loading

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

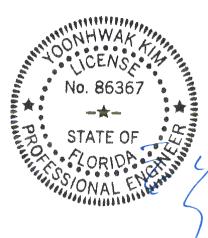
Wind loads based on MWFRS with additional C&C member design.

### **Additional Notes**

Refer to General Notes for additional information

Negative reaction(s) of -251# MAX. from a non-wind load case requires uplift connection. See Maximum

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



### Maximum Bot Chord Forces Per Ply (lbs)

Gravity

/-

Brg Width = 4.0

Brg Width = 4.0

298 - 538

/-251

Wind reactions based on MWFRS Brg Width = 3.5

Bearings B, W, & K are a rigid surface.

Loc R+

2906

1256

В 280

F-G

Chords	Tens.Comp.		Chords	Tens. (	Comp.
B - Y	207	- 667	U - T	870	- 30
Y - X	206	- 669	R-Q	1956	- 304
X - W	206	- 669	Q - O	1962	- 308
W - V	240	- 442	O - M	1962	- 308
V - U	870	- 30	M - J	1715	- 260

### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. (	Comp.
C - W	184 - 544	V - G	118	- 574
W - E	385 - 2071	T - R	930	- 25
E-V	1568 - 331	G - R	1028	- 242
F-V	201 - 486	R - I	227	- 872

FL REG# 278, Yoonhwak Kim, FL PE #86367 05/19/2020

\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

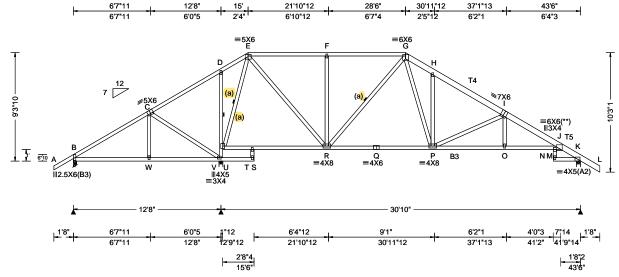
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SEQN: 344752 COMN Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T37 FROM: CDM Qty: 1 DrwNo: 140.20.1446.58160 Goodrum Truss Label: B02 / YK 05/19/2020



Defl/CSI Criteria

TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.181 O 999 360	Lo
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.374 O 990 240	В
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.097 M	v
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.202 M	K
NCBCLL: 10.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	W
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.597	В
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.882	۷ K
Spacing: 24.0 "	C&C Dist a: 4.35 ft	Rep Fac: Yes	Max Web CSI: 0.885	Be
3	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		Me
	GCpi: 0.18	Plate Type(s):		Ma
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15	Ch

Snow Criteria (Pg,Pf in PSF)

▲ Maximum Reactions (lbs)							
∟/#		G	ravity		No	n-Gra	vity
360	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
240	В	548	/-	/-	/262	/58	/292
-	V	1998	/-	/-	/1248	/13	/-
-	K	1355	/-	/-	/905	/84	/-
	Wind reactions based on MWFRS						
	В	Brg V	Vidth =	3.5	Min Re	q = 1.5	5
	٧	Brg V	Vidth =	4.0	Min Re	q = 2.0	)
	K	Brg V	Vidth =	4.0	Min Re	q = 1.6	6
	Bea	irings l	B, V, &	K are a	rigid surfac	ce.	
	Mei	mbers	not list	ed have t	forces less	than:	375#
	Max	kimum	Top (	Chord Fo	rces Per	Ply (lb	s)
15	Cho	ords T	ens.C	omp.	Chords	Tens.	Comp
	_	_					

# Lumber

Loading Criteria (psf)

Top chord: 2x4 SP #2; T4,T5 2x6 SP 2400f-2.0E; Bot chord: 2x4 SP #2; B3 2x4 SP M-31; Webs: 2x4 SP #3;

**Wind Criteria** 

### **Bracing**

(a) Continuous lateral restraint equally spaced on member.

### **Plating Notes**

All plates are 2X4 except as noted.

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

### Wind

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

### **Additional Notes**

Refer to General Notes for additional information Refer to DWG PB160101014 for piggyback details.

The overall height of this truss excluding overhang is

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).

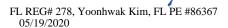
B - C C - D D - E E - F F - G	238 - 448 379 - 147 425 - 71 451 - 931 452 - 933	 595 - 1597 519 - 1714 608 - 2379 265 - 771

### Maximum Bot Chord Forces Per Ply (lbs)

Cnoras	rens.comp.		Choras	rens. (	Jomp.
R - Q	1151	- 161	O - M	2181	- 458
Q-P	1151	- 161	M - J	1904	- 389
P - O	2181	- 458			

### Maximum Web Forces Per Ply (lbs)

webs	Tens.Comp.	webs	Tens. (	Jomp.
C-V	167 - 524	F-R	184	- 453
V - U	283 - 1560	G-P	757	- 230
U - E	183 - 1366	P - I	255	- 903
F-R	1159 - 237			



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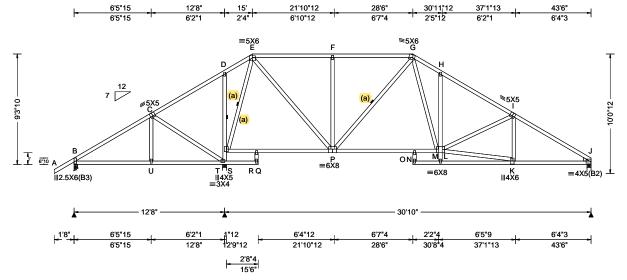
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6750 Forum Drive Suite 305 Orlando FL, 32821

PROMINE DROM

SEQN: 344769 COMN Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T17 FROM: CDM Qty: 1 DrwNo: 140.20.1447.11020 Goodrum Truss Label: B03 / YK 05/19/2020



Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria

Pg: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/#

TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.086 O 999 360	LC
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.218 O 999 240	В
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.017 R	T
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.038 K	J
NCBCLL: 10.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	W
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.571	В
Load Duration: 1.25	BCDL: 5.0 psf MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.857	T
Spacing: 24.0 "	C&C Dist a: 4.35 ft	Rep Fac: Yes	Max Web CSI: 0.612	J
Spacing. 24.0	Loc. from endwall: not in 13.00 ft	l'_		Be
	GCpi: 0.18	Plate Type(s):		М
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15	M
	Willia Dalation. 1.00	VV // V	VILVV VCI. 13.02.02D.0122.13	CI

	▲ M	axim	um Re	actions (	lbs)					
		G	avity	•	No	n-Gra	vity			
5	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL			
5	В	577	/-	/-	/295	/51	/273			
	Т	1927	/-	/-	/1204	/47	/-			
	J	1258	/-	/-	/812	/69	/-			
	Wind reactions based on MWFRS									
	В	Brg V	Vidth =	3.5	Min Re	q = 1.	5			
	Т	Brg V	Vidth =	4.0	Min Re	q = 1.	9			
	J	Brg V	Vidth =	4.0	Min Re	q = 1.	5			
	Bea	rings	B, T, &	J are a r	igid surfac	e.				
	Members not listed have forces less than 375#									
_	Max	imun	n Top (	Chord Fo	rces Per	Ply (II	os)			
	Cho	rds <sup>-</sup>	Tens.C	omp.	Chords	Tens.	. Ćomp.			

### 611 - 1707 204 - 501 G - H Ē-F 445 - 999 H - I 524 - 1768 F-G - 1986 445 - 999 518

Ma	Maximum Bot Chord Forces Per Ply (lbs)									
Ch	ords	Tens.C	omp.	Ch	ords	Tens.	Comp.			
_		4400	404	1/		4000	000			

P - N N - L	1199 1183		K-J	1620	- 363					
Maximum Web Forces Per Ply (lbs)										

Maximum web roices rei riy (ibs)									
Webs	Tens.Comp.	Webs	Tens. Comp.						
C-T	168 - 519	F-P	191	- 472					
T - S	302 - 1493	G-L	846	- 252					
S-E	190 - 1291	L-K	1606	- 350					
F-P	1143 - 244								

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

Lumber

Top chord: 2x4 SP #2;

Rt Wedge: 2x4 SP #3; **Bracing** 

Loading Criteria (psf)

20.00

TCLL:

(a) Continuous lateral restraint equally spaced on member

**Wind Criteria** 

Wind Std: ASCE 7-10

### **Plating Notes**

All plates are 2X4 except as noted.

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

### **Additional Notes**

Refer to General Notes for additional information Refer to DWG PB160101014 for piggyback details.

The overall height of this truss excluding overhang is

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).



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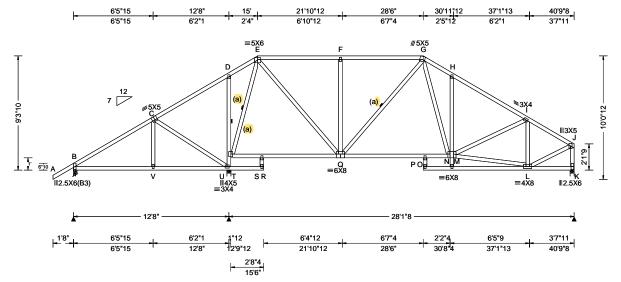
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 344766 COMN Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T57 FROM: CDM Qty: 4 DrwNo: 140.20.1447.15477 Goodrum Truss Label: B04 / YK 05/19/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.149 S 999 36
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.281 S 999 24
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.011 H -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.021 P -
NCBCLL: 10.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.573
Load Duration: 1.25	BCDL: 5.0 psf MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.967
Spacing: 24.0 "	C&C Dist a: 4.08 ft	Rep Fac: Yes	Max Web CSI: 0.586
opaag. =	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: 19.02.02B.0122.15

		<b>▲</b> M	aximu	ım Reac	tions (	(lbs)			
lefl	L/#		G	ravity		No	n-Grav	/ity	
99	360	Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL	
99	240	В	567	/-	/-	/322	/36	/244	
-	-		2049	/-	/-	/1119	/125	/-	
_	_	κ	1256	/-	/-	/725	/58	/-	
		Wind reactions based on MWFRS							
		В	Brg V	/idth = 3	.5	Min Re	q = 1.5	i	
		U	Brg V	/idth = 4	.0	Min Re	q = 2.0	)	
		K	Brg V	/idth = 4	.0	Min Re	q = 1.5	;	
		Bea	rings l	3, U, & K	are a	rigid surfac	ce.		
		Mer	nbers	not listed	d have	forces less	than 3	375#	
		Max	cimum	Top Ch	ord Fo	orces Per	Ply (lb:	s)	
22.	.15	Cho	rds T	ens.Cor	np.	Chords	Tens.	Ćomp.	

B - C	166 - 476	G-H	514 - 1594
E-F	397 - 1055	H - I	429 - 1653
F-G	397 - 1055	I - J	321 - 1287

### Bracing

Lumber

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 2X4 except as noted.

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

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

Right end vertical not exposed to wind pressure.

### **Additional Notes**

Refer to General Notes for additional information Refer to DWG PB160101014 for piggyback details.

The overall height of this truss excluding overhang is

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).

# Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	Comp.	Chords	Tens. Comp.		
T-S	384	- 31	O - M	1193	- 164	
Q - O	1153	- 175				

### Maximum Web Forces Per Ply (lbs)

webs	Tens.Comp.	webs	Tens. Comp.	
 C - U	169 - 498	G - M	664 - 182	
U - T	302 - 1552	M - L	1125 - 228	
T-E	188 - 1306	I-L	169 - 638	
E - Q	1178 - 218	L-J	1187 - 259	
F-Q	190 - 471	J - K	299 - 1221	



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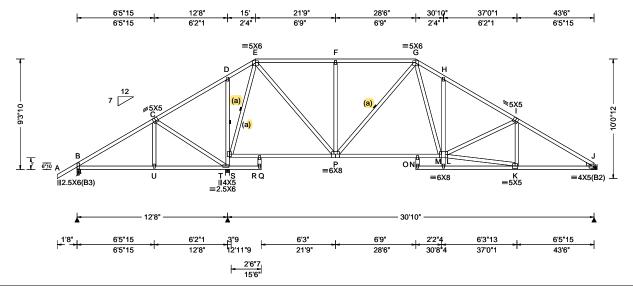
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SEQN: 344772 COMN Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T10 FROM: CDM Qty: 2 DrwNo: 140.20.1447.18630 Goodrum Truss Label: B05 / YK 05/19/2020



TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.164 O 999 3
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.311 O 999 2
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.019 R -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.038 K -
NCBCLL: 10.00	Mean Height: 15.28 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.588
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.994
Spacing: 24.0 "	C&C Dist a: 4.35 ft	Rep Fac: Yes	Max Web CSI: 0.681
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15

Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)				
, ,	PP Deflection in loc L/defl L/	# Gravity Non-Gravity				
Pf: NA Ce: NA	VERT(LL): 0.164 O 999 3	60 Loc R+ /R- /Rh /Rw /U /RL				
Lu: NA Cs: NA	` '	40 B 549 /- /- /292 /57 /274				
Snow Duration: NA	HORZ(LL): -0.019 R -	- T 2210 /- /- /1287 /- /-				
	HORZ(TL): 0.038 K -	- J 1350 /- /- /845 /3 /-				
Code / Misc Criteria	Creep Factor: 2.0 Wind reactions based on MWFRS					
Bldg Code: FBC 2017 RES	Max TC CSI: 0.588	B Brg Width = 3.5 Min Req = 1.5				
TPI Std: 2014	Max BC CSI: 0.994	T Brg Width = 4.0 Min Req = 2.2				
Rep Fac: Yes	Max Web CSI: 0.681	J Brg Width = - Min Req = -				
· •	IVIAX VVED COI. 0.001	Bearings B & T are a rigid surface.				
FT/RT:20(0)/10(0)		Members not listed have forces less than 375#				
Plate Type(s):		Maximum Top Chord Forces Per Ply (lbs)				
WAVE	VIEW Ver: 19.02.02B.0122.15	Chords Tens.Comp. Chords Tens. Comp.				
•						

B - C	222 - 444	G-H	306	- 1940
E-F	137 - 1151	H - I	202	- 2000
F-G	137 - 1151	l - J	237	- 2148

### **Bracing** (a) Continuous lateral restraint equally spaced on

**Wind Criteria** 

### **Plating Notes**

member

Lumber

Top chord: 2x4 SP #2;

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

Loading Criteria (psf)

All plates are 2X4 except as noted.

### 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.

### **Additional Notes**

Refer to General Notes for additional information Refer to DWG PB160101014 for piggyback details.

The overall height of this truss excluding overhang is 9-3-10.

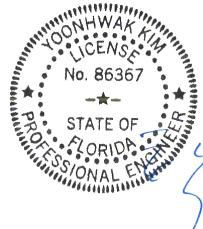
Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).



Chords	Tens.Comp.		Chords	Tens. (	Comp.	
S-R	395	0	N - L	1391	0	
P - N	1361	0	K - J	1760	- 135	

## Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
C - T	166 - 500	F-P	0	- 470
T - S	0 - 1709	G-L	982	- 259
S-E	0 - 1471	L-K	1787	- 131
F-P	1342 0			



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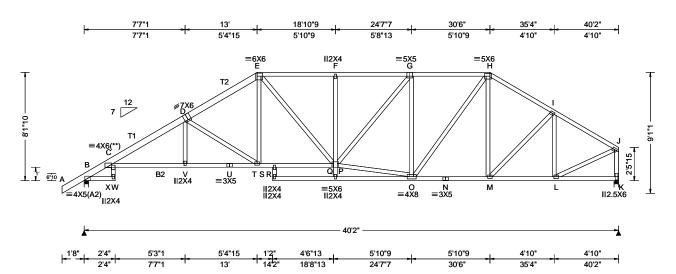
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SEQN: 344791 COMN Ply: 2 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T34 FROM: CDM DrwNo: 140.20.1447.21503 Qty: 1 Goodrum Truss Label: C01 / YK 05/19/2020

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	1
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.152 V 999 360	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.314 V 999 240	lΒ
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.119 K	١ĸ
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.246 K	V
NCBCLL: 0.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	В
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.405	k
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.390	В
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes	Max Web CSI: 0.468	٨
Spacing. 24.0	C&C Dist a: 4.02 ft Loc. from endwall: not in 13.00 ft		Max 17 05 001: 0: 100	N
		Plate Type(s):		<u> </u>
	GCpi: 0.18 Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15	В
	Willia Dulation. 1.00	WAVE	VIEW VEI. 19.02.020.0122.13	ı –

### Lumber

**Nailnote** 

Top chord: 2x4 SP #2; T1,T2 2x6 SP 2400f-2.0E; Bot chord: 2x4 SP #2; B2 2x4 SP M-31; Webs: 2x4 SP #3;

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

in each row to avoid splitting.

### **Plating Notes**

All plates are 3X4 except as noted.

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

### Wind

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

Right end vertical not exposed to wind pressure.

### **Additional Notes**

Refer to General Notes for additional information The overall height of this truss excluding overhang is 8-1-10.

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).

### ▲ Maximum Reactions (lbs)

D - E

E-F

	<b>—</b> IVI	axiiii	1111 1760	10110113	(IDS)				
		G	ravity		N	Non-Gravity			
5	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
0	В	1790	/-	/-	/1077	/316	/208		
	K	1661	/-	/-	/924	/290	/-		
	Win	d reac	tions b	ased o	n MWFRS				
	В	Brg V	Vidth =	4.0	Min Re	eq = 1.5	5		
	K	Brg V	Vidth =	4.0	Min Re	eq = 1.5	5		
	Bea	rings l	В&Ка	are a rig	jid surface.				
	Men	nbers	not list	ed have	e forces les	s than 3	375#		
	Max	imum	Top (	Chord F	orces Per	Ply (lb	s)		
	Cho	rds T	ens.Co	omp.	Chords	Tens.	Ćomp.		
	B - 0		115	- 543	F-G	362	- 1242		
	C - I	-		1628		315	- 1019		
		,	002	1020	O 11	010	1013		

### Maximum Bot Chord Forces Per Ply (lbs)

355 - 1317

363 - 1246

Chords	Tens.Comp.		Chords	Tens. Comp.	
C-X	1268	- 291	R-P	1057	- 225
X - V	1474	- 348	O - N	789	- 164
V - U	1474	- 348	N - M	789	- 164
U - T	1474	- 348	M - L	724	- 166
T-R	1075	- 229			

280

- 952

- 858

### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		s Tens.Comp. Webs		Webs	Tens. Comp.	
D-T	143	- 479	O - H	383	- 98		
P - O	1011	- 221	L - J	777	- 176		
G - O	130	- 443	J - K	208	- 809		



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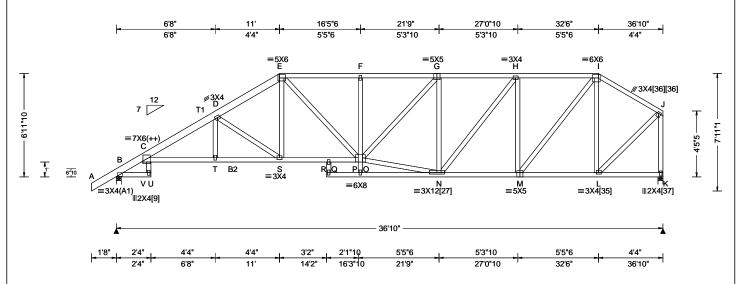
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SEQN: 344797 HIPS Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T28 FROM: CDM DrwNo: 140.20.1447.24640 Qty: 1 Goodrum Truss Label: C02 / YK 05/19/2020



				_
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.256 D 999 360	[
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.528 D 833 240	L
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.197 L	Ī
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.406 L	١
NCBCLL: 10.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	ŀ
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.755	1
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.629	Ľ
Spacing: 24.0 "	C&C Dist a: 3.68 ft	Rep Fac: Yes	Max Web CSI: 0.778	1:
-, 3	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		Ľ
	GCpi: 0.18	Plate Type(s):		`
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15	

	▲ Maximum Reactions (lbs)							
		Gravity		No	on-Grav	/ity		
Loc R+ /R- /Rh			/ Rh	/ Rw	/ U	/ RL		
	B 1653	3 /-	/-	/995	/289	/159		
	K 152	2 /-	/-	/789	/277	/-		
	Wind rea	actions b	ased on	MWFRS				
	B Brg	Width =	4.0	Min Re	q = 2.0	)		
	K Brg	Width =	4.0	Min Req = 1.8				
	Bearings	sB&Ka	re a rigio	d surface.	-			
	Member	s not list	ed have	forces less	s than 3	375#		
	Maximu	m Top C	hord Fo	orces Per	Ply (lb	s)		
	Chords	Tens.Co	omp.	Chords	Tens.	Comp.		
B - C 158 - 974 F - G 714 - 24						- 2497		
	C-D	753 -	3052	G-H	601	- 2046		
	D-E	687 -	2540	H-I	503	- 1642		
	E-F	717 -	2506	I - J	318	- 1096		

Maximum Bot Chord Forces Per Ply (lbs)

- 637

- 748

Chords

Q - Q

N - M

M - L

Tens. Comp.

-512

- 423

- 225

2046

1678

899

Tens.Comp.

2432

2797 - 747

2797

2083 - 524

Chords

C-V

V - T

### Lumber

Top chord: 2x4 SP #2; T1 2x6 SP 2400f-2.0E; Bot chord: 2x4 SP #2; B2 2x4 SP M-31; Webs: 2x4 SP #3;

### **Plating Notes**

All plates are 2X4 except as noted.

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

### **Plate Shift Table**

JT	Plate	Lateral	ı	Chord	JT	Plate	Lateral		Chord
No	Size	Shift		Bite	No	Size	Shift		Bite
[9]	2X4	s		2.25	[27]	3X12	2.50 F	R	1.25
[35] [37]	3X4	2.25	R	1.25	[36]	3X4	2.00 F	R	1.25
[37]	2X4	S		2 75					

### Wind

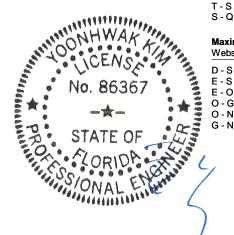
Wind loads based on MWFRS with additional C&C

Right end vertical not exposed to wind pressure.

### **Additional Notes**

Refer to General Notes for additional information The overall height of this truss excluding overhang is 6-11-10.

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).



Maximum Web Forces Per Ply (lbs)										
Webs	Tens.C	Comp.	Webs	Tens.	Comp.					
D-S	275	- 875	N - H	603	- 150					
E-S	580	- 139	H - M	254	- 832					
E - O	693	- 151	M - I	1192	- 300					
O - G	635	- 161	I-L	231	- 747					
O - N	2035	- 506	L-J	1242	- 311					
G - N	236	- 784	J - K	410	- 1490					

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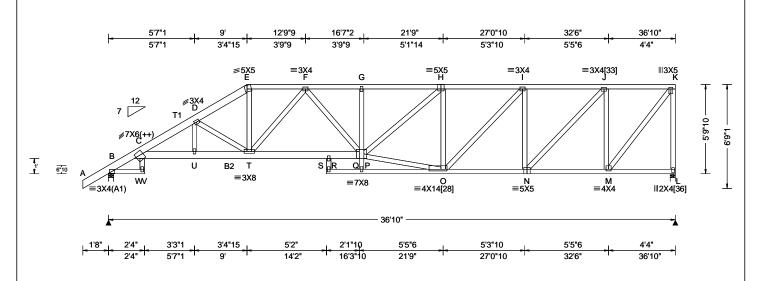
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6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 344807 HIPM Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T20 FROM: CDM DrwNo: 140.20.1447.28090 Qty: 1 Goodrum Truss Label: C03 / YK 05/19/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.287 G 999 360	١.
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.591 G 744 240	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.199 M	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.410 M	
NCBCLL: 10.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.849	
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.584	
Spacing: 24.0 "	C&C Dist a: 3.68 ft	Rep Fac: Yes	Max Web CSI: 0.945	
Opasg. 2	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: 19.02.02B.0122.15	

### Lumber

Top chord: 2x4 SP #2; T1 2x6 SP 2400f-2.0E; Bot chord: 2x4 SP #2; B2 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3;

### **Plating Notes**

All plates are 2X4 except as noted.

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

### **Plate Shift Table**

JT	Plate	Lateral	Chord	JT	Plate	Lateral	Chord
No	Size	Shift	Bite	No	Size	Shift	Bite
[28]	4X14	1.25 F	1.25	[33]	3X4	1.75 F	1.25
เรลา	2X4	S	2 75				

### Wind

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

Right end vertical not exposed to wind pressure.

### **Additional Notes**

Refer to General Notes for additional information

The overall height of this truss excluding overhang is

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).

### Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 1653 /-/982 /287 /177 1522 /-/-/770 /-/291 Wind reactions based on MWFRS Brg Width = 4.0Min Req = 2.0 Brg Width = 4.0 Min Req = 1.8

Bearings B & L are a rigid surface. Members not listed have forces less than 375#

▲ Maximum Reactions (lbs)

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

B-C	99 - 915	G-H	854	- 3207
C-D	820 - 3241	H-I	651	- 2482
D-E	742 - 2813	I - J	517	- 1985
E-F	660 - 2360	J-K	284	- 1081
F-G	858 - 3222			

### Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	Comp.	Chords	Tens. (	Comp.
C - W W - U		- 907	R - P O - N	2826 2028	- 530
U - T	3079	- 908	N - M	1148	- 304
T - R	2864	- 788			

### Maximum Web Forces Per Ply (lbs)

i ens.c	omp.	webs	i ens.	Comp.
311	- 915	O - I	664	- 178
1239	- 306	I - N	255	- 818
219	- 804	N - J	1244	- 320
676	- 107	J - M	380	- 1270
910	- 254	M - K	1749	- 460
2481	- 649	K-L	419	- 1488
290	- 923			
	311 1239 219 676 910 2481	1239 - 306 219 - 804 676 - 107 910 - 254 2481 - 649	311 - 915 O - I 1239 - 306 I - N 219 - 804 N - J 676 - 107 J - M 910 - 254 M - K 2481 - 649 K - L	311 -915 O - I 664 1239 -306 I - N 255 219 -804 N - J 1244 676 -107 J - M 380 910 -254 M - K 1749 2481 -649 K - L 419

FL REG# 278, Yoonhwak Kim, FL PE #86367 05/19/2020

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SEQN: 344860 HIPM Ply: 3 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T16 FROM: CDM DrwNo: 140.20.1447.47360 Qty: 1 Goodrum Truss Label: C04 / YK 05/19/2020 3 Complete Trusses Required 4'8"13 11'9"9 16'7"2 21'9' 27'0"10 32'6' 36'10" 4'8"13 2'3"3 5'1"14 5'3"10 5'5"6 4'4" 4'9"9 4'9"9 =5<u>X</u>6 =3<u>¥</u>4 **≡3X4**  $\equiv 3X4[34]$ **∥3X5[36][36]** G =6X12(+-4'7"10 W10 <u>T</u> U ≡3X4 6"10 =3X4 В1 ||2X4[20] ≡7X8 \_\_N ≡7X6 M ≡3X5[35] O ≡4X8[29] **■2.5X6[37]** =3X4(A1) 36'10" 4'9"9 5'5"6 5'3"10 5'5"6 4'4" 2'4"13 2'3"3<sub>1</sub> 2'4"7 2'1"10 11'9"9 14'2' 16'3"10 21'9 27'0"10 32'6' 36'10 Loading Criteria (psf) **Wind Criteria** Snow Criteria (Pg,Pf in PSF) **Defl/CSI Criteria** ▲ Maximum Reactions (lbs) Non-Gravity Wind Std: ASCE 7-10 Ct: NA CAT: NA PP Deflection in loc L/defl L/# Gravity TCLL: 20.00 Pg: NA Speed: 130 mph Loc R+ /R /Rh /Rw /U / RL TCDL: 10.00 Pf: NA VERT(LL): 0.252 G 999 360 Ce: NA Enclosure: Closed VERT(CL): 0.506 G BCII: 0.00 Lu: NA Cs: NA 869 240 В 3775 /-/865 Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.159 M /-/-4036 /926 EXP: C Kzt: NA HORZ(TL): 0.321 M Wind reactions based on MWFRS Des Ld: 40.00 Mean Height: 15.00 ft Brg Width = 4.0В Min Rea = 1.5Code / Misc Criteria Creep Factor: 2.0 NCBCLL: 0.00 TCDL: 5.0 psf Brg Width = 4.0 Min Req = 1.5Blda Code: FBC 2017 RES Max TC CSI: 0.720 Soffit: 2.00 BCDL: 5.0 psf Bearings B & L are a rigid surface. TPI Std: 2014 Max BC CSI: 0.340 Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 Members not listed have forces less than 375# Rep Fac: Yes Max Web CSI: 0.630 Spacing: 24.0 ' C&C Dist a: 3.68 ft Maximum Top Chord Forces Per Ply (lbs) FT/RT:20(0)/10(0) Loc. from endwall: not in 4.50 ft Chords Tens.Comp. Chords Tens. Comp. Plate Type(s): GCpi: 0.18 VIEW Ver: 19.02.02B.0122.15 - 3810 WAVE Wind Duration: 1.60 C - D 665 - 2910 H - I 634 - 2773 Lumber **Plate Shift Table** D-E 669 - 2907 I-J 503 - 2202 Top chord: 2x6 SP 2400f-2.0E; Bot chord: 2x6 SP 2400f-2.0E; B1 2x4 SP #2; Plate Lateral Chord JT. JT. Plate Lateral Chord E-F 750 - 3266 - 1192 Shift Nο Bite Nο Size Bite Size Shift F-G 880 - 3837 Webs: 2x4 SP #3; W10 2x4 SP #2; 2.25 4X8 1.25 R S [29] [20] 1.25 3X4 1.75 R 3X5 2.00 L Wind
Wind loads and reactions based on MWFRS.
Right end vertical not exposed to wind pressure.

Additional Notes
Refer to General Notes (of additional information)
The overall height of this truss excluding overhand is 4-7-10. Maximum Bot Chord Forces Per Ply (lbs) **Nailnote** [36] Chords Tens.Comp. Chords Tens. Comp. Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @11.50" o.c. Bot Chord: 1 Row @12.00" o.c. C - X - 519 3316 - 764 2304 T - R X - V 2843 - 647 R-P 3287 - 757 :1 Row @ 4" o.c. O - N V - U 2849 - 649 2248 -516 Repeat nailing as each layer is applied. Use equal U - T 2460 1263 - 291 - 565 N - M spacing between rows and stagger nails in each row

to avoid splitting

### Special Loads

(Lumber	Dur.Fac.=1.	25 / Plate D	Dur.Fac.=1.2	25)
TC: From	63 plf at	-1.67 to	63 plf at	7.00
TC: From	32 plf at	7.00 to	32 plf at	36.83
BC: From	5 plf at	-1.67 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	7.03
BC: From	10 plf at	7.03 to	10 plf at	36.83
TC: 315 lb	Conc. Load	at 7.03	•	
TC: 194 lb	Conc. Load	at 9.06,11	.06,13.06	
TC: 196 lb	Conc. Load	at 15.06,17	7.06,19.06,2	21.06
23.06,25.06,	27.06,29.06,	31.06,33.06	3,35.06,36.7	7
BC: 670 lb	Conc. Load	at 7.03		
BC: 122 lb	Conc. Load	at 9.06,11	.06,13.06	
BC: 133 lb	Conc. Load	at 15.06.17	7.06.19.06.2	21.06

### **Plating Notes**

All plates are 2X4 except as noted.

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

23.06,25.06,27.06,29.06,31.06,33.06,35.06,36.77



### Maximum Web Forces Per Ply (lbs)

vvebs	rens.c	omp.	vvebs	i ens.	Comp.
V - D	100	- 389	H - O	233	- 834
D - U	108	- 504	0 - 1	675	- 152
E - U	764	- 140	I - N	191	- 656
E-T	977	- 223	N - J	1224	- 277
T-F	159	- 552	J - M	274	- 1019
F-P	656	- 140	M - K	1655	- 377
P - H	1169	- 268	K-L	312	- 1271
P - O	2758	- 632			

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord nds (If no rigid diaphragm exists at that point).

FL REG# 278, Yoonhwak Kim, FL PE #86367 05/19/2020

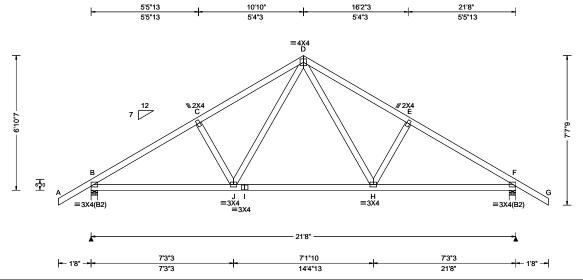
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 344829 COMN Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T46 FROM: CDM Qty: 8 DrwNo: 140.20.1447.49927 Goodrum Truss Label: D01 / YK 05/19/2020



Leading Critoria (c. 0	Wind Critoria	Crow Critoria (D. Di . DOE)	Defl/CCI Criteria	A Maximum Pagations (lbs)	
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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h 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  Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes ET/RT: 20(0)/10(0)	Defl/CSI Criteria	B 1070 /- /- F 1070 /- /- Wind reactions based on MW B Brg Width = 4.0 M F Brg Width = 4.0 M Bearings B & F are a rigid sur Members not listed have force Maximum Top Chord Force	Non-Gravity / Rw / U / RL /612 /175 /210 /612 /175 /- /FRS din Req = 1.5 /fiace. es less than 375# es Per Ply (lbs)
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		•	ords Tens. Comp.
	GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): WAVE	VIEW Ver: 19.02.02B.0122.15	B - C 272 - 1439 D -	_ 00
				<sup>1</sup> C - D 308 - 1276 E -	F 271 - 1440

### 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 member design.

### **Additional Notes**

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



00.00		, ор.	01.0.00		- J
B-J	1156	- 125	I - H	803	- 26
J - I	803	- 26	H - F	1157	- 145

### Maximum Web Forces Per Ply (lbs)

vvebs	rens.comp.	vvebs	rens. C	rens. Comp.		
I-D	/70 <sub>-</sub> 111	D-H	480	- 110		



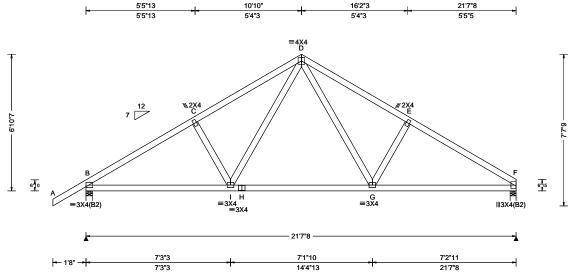
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SEQN: 344832 COMN Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T14 FROM: CDM Qty: 2 DrwNo: 140.20.1447.51780 Goodrum Truss Label: D02 / YK 05/19/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (It	os)
TCLL: 20.00 TCDL: 10.00	Wind Std: ASCE 7-10 Speed: 130 mph	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.059 I 999 360	Gravity Loc R+ /R- /Rh	Non-Gravity / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.114 I 999 240	B 1074 /- /-	/612 /18 /191
BCDL: 10.00 Des Ld: 40.00	Risk Category: II EXP: C Kzt: NA	Snow Duration: NA	HORZ(LL): 0.028 G HORZ(TL): 0.055 G	F 950 /- /- Wind reactions based on N	/515 /10 /- //WFRS
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0	B Brg Width = 4.0 F Brg Width = 3.5	Min Req = 1.5 Min Req = 1.5
Soffit: 2.00 Load Duration: 1.25	BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h	Bldg Code: FBC 2017 RES TPI Std: 2014	Max TC CSI: 0.533 Max BC CSI: 0.621	Bearings B & F are a rigid	surface.
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.190	Members not listed have for Maximum Top Chord For	
	Loc. from endwall: not in 9.00 ft GCpi: 0.18	FT/RT:20(0)/10(0) Plate Type(s):		Chords Tens.Comp. (	Chords Tens. Comp.
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15		D - E 333 - 1297 F 297 - 1458

### 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 member design.

### **Additional Notes**

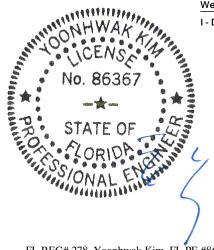
Refer to General Notes for additional information The overall height of this truss excluding overhang is

# Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	Comp.	Chords	Tens. Comp.	
B-I	1162	- 183	H-G	809	- 64
I - H	809	- 64	G-F	1179	- 189

### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
I - D	478 - 108	D-G	500 - 117	



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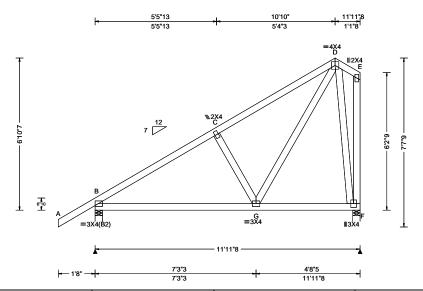
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SEQN: 344835 SPEC Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T41 FROM: CDM Qty: 2 DrwNo: 140.20.1447.53687 Goodrum Truss Label: D03 / YK 05/19/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (II	
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.012 C 999 360	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.025 C 999 240	B 622 /- /-	/419 /5 /142
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.004 D	F 486 /- /-	/319 /41 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.009 D	Wind reactions based on M	MWFRS
NCBCLL: 10.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	B Brg Width = 4.0	Min Req = $1.5$
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.383	F Brg Width = 4.0	Min Req = 1.5
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.477	Bearings B & F are a rigid	
		Rep Fac: Yes	Max Web CSI: 0.355	Members not listed have for	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	•	Wax VVCD 001. 0.000	Maximum Top Chord For	rces Per Ply (lbs)
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		Chords Tens.Comp. (	Chords Tens. Comp
	GCpi: 0.18	Plate Type(s):		1	
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15	B-C 62 -611 (	C-D 99 -45

### Lumber

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

### Wind

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

Right end vertical not exposed to wind pressure.

### **Additional Notes**

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

### Chords Tens. Comp. 99

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

B - G 458 - 186

Maximum Web Forces Per Ply (lbs) Tens. Comp. Webs Tens.Comp. Webs G - D 477 - 150 D-F 160 - 424



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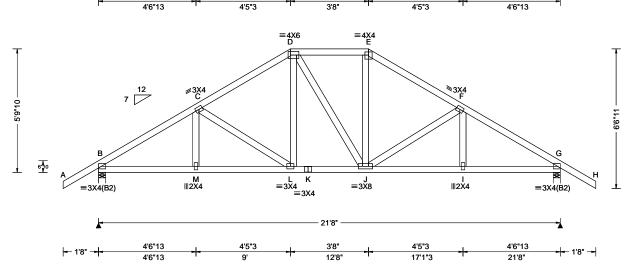
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6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 344838 HIPS Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T43 FROM: CDM DrwNo: 140.20.1447.55783 Qty: 1 Goodrum Truss Label: D04 / YK 05/19/2020

17'1"3

21'8"



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.049 L 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.100 L 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.027 I
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.054 I
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.472
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.618
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.151
' "	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: 19.02.02B.0122.15

4'6"13

▲ M	axim	um Rea	actions	(lbs)		
	G	avity		N	on-Grav	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	1014	/-	/-	/613	/179	/183
G	1014	/-	/-	/613	/179	/-
Win	d read	ctions b	ased or	<b>MWFRS</b>		
В	Brg V	Vidth =	4.0	Min Re	eq = 1.5	;
G	Brg V	Vidth =	4.0	Min Req = 1.5		
Bea	rings	B&G	are a rig	id surface.		
Men	nbers	not list	ed have	forces les	s than 3	375#
Max	imun	n Top (	Chord F	orces Per	Ply (lb	s)
Cho	rds 7	Tens.C	omp.	Chords	Tens.	Ćomp.
В-0	2	306 -	1335	E-F	296	- 1051
ا - C - ا	)	298 -	1056	F-G	304	- 1336
D - I	<b>=</b>	291	- 855			

### Lumber

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

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

### **Additional Notes**

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

### Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Tens. Comp. Chords B - M 1073 - 153 853 -86 1072 - 181 M - L - 154 J - I 1073 L-K I-G 1074 853 - 86 - 181



FL REG# 278, Yoonhwak Kim, FL PE #86367 05/19/2020

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SEQN: 344843 HIPS Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T49 FROM: CDM Qty: 1 DrwNo: 140.20.1448.03600 Goodrum Truss Label: D05 / YK 05/19/2020 10'10' 14'8" 21'8" 3'10" 3'10' ≡5X5 C ∥2X4 D =5X5 T2 47"10 5'4"11 670 H ⊪3X4 J ⊪3X4 =7X8 ≡5X5(A1) =5X5(A1) 21'8"

1'8	7'	3'10" 10'10"	3'10" 14'8"	7' 21'8"	<del> </del> 1'8" <del> </del>
Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00	Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.082 D 999 360	▲ Maximum Reactions (lb Gravity Loc R+ /R- /Rh	s) Non-Gravity / Rw / U / RL
BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00	Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Lu: NA Cs: NA Snow Duration: NA	VERT(CL): 0.165 D 999 240 HORZ(LL): 0.026 H HORZ(TL): 0.052 H	B 2104 /- /- F 2104 /- /- Wind reactions based on M	/- /474 /- /- /474 /- WFRS
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	Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case	Creep Factor: 2.0 Max TC CSI: 0.778 Max BC CSI: 0.338	B Brg Width = 4.0 F Brg Width = 4.0 Bearings B & F are a rigid s Members not listed have for	Min Req = 1.7 Min Req = 1.7 surface. rces less than 375#
Spassing. 2 1.0	Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	FT/RT:20(0)/10(0) Plate Type(s): WAVE	VIEW Ver: 19.02.02B.0122.15	B - C 751 - 3281 D	hords Tens. Comp.  - E 722 - 3186 - F 751 - 3281

### Lumber

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

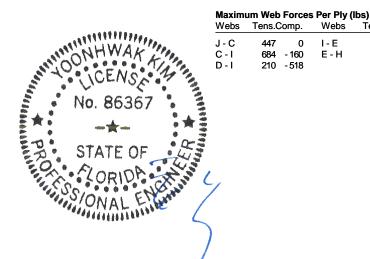
## **Special Loads**

	-			
(Lumber	Dur.Fac.=1.	.25 / Plate D	or.Fac.=1.2	25)
TC: From	63 plf at	-1.67 to	63 plf at	7.00
TC: From	32 plf at	7.00 to	32 plf at	14.67
TC: From	63 plf at	14.67 to	63 plf at	23.33
BC: From	5 plf at	-1.67 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	7.03
BC: From	10 plf at	7.03 to	10 plf at	14.64
BC: From	20 plf at	14.64 to	20 plf at	21.67
BC: From		21.67 to	5 plf at	23.33
TC: 289 lb	Conc. Load	at 7.03,14	.64	
TC: 196 lb	Conc. Load	at 9.06,10	.83,12.60	
BC: 467 lb				
BC: 133 lb	Conc. Load	lat 9.06,10	.83,12.60	

Wind loads and reactions based on MWFRS.

### Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 4-7-10.



FL REG# 278, Yoonhwak Kim, FL PE #86367 05/19/2020

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

Orlando FL, 32821

Maximum Bot Chord Forces Per Ply (lbs)

Chords

H-F

Webs

1 - E

E-H

Tens. Comp.

Tens. Comp.

-613

-613

- 160

0

2724

2739

684

447

Chords Tens.Comp.

2739 - 613

2724 - 613

Tens.Comp.

- 518 210

447

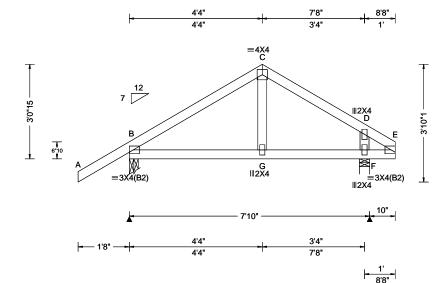
684 - 160

B - J

J - I

6750 Forum Drive Suite 305

SEQN: 344846 COMN Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T42 FROM: CDM DrwNo: 140.20.1448.05767 Qty: 1 Goodrum Truss Label: G01 / YK 05/19/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)	
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravit	.,
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.011 F 999 360	Loc R+ /R- /Rh /Rw /U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.022 F 552 240	B 445 /- /- /288 /83 /	/95
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.010 D	F 391 /- /- /206 /55	/-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.019 D	Wind reactions based on MWFRS	
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0	B Brg Width = 3.5 Min Req = 1.5	
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.245	F Brg Width = 4.0 Min Req = 1.5	
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.291	Bearings B & F are a rigid surface.  Members not listed have forces less than 37	7F.II
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.050	Members not listed have forces less than 37	<b>5</b> #
-	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: 19.02.02B.0122.15		

### Lumber

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

### Wind

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

Right cantilever is exposed to wind

### **Additional Notes**

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



FL REG# 278, Yoonhwak Kim, FL PE #86367 05/19/2020

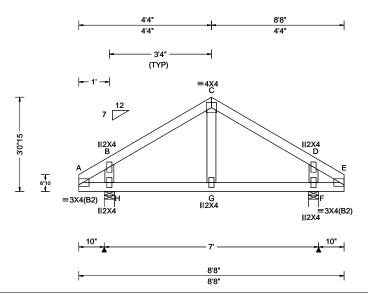
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SEQN: 344849 COMN Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T40 FROM: CDM DrwNo: 140.20.1448.08057 Qty: 2 Goodrum Truss Label: G02 / YK 05/19/2020



Loading Criteria (psf) W	Vind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (lbs)	
TCLL: 20.00 W	Vind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity	
TCDL: 10.00 Si	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.010 G 999 360	Loc R+ /R- /Rh /Rw /U /RL	
BCLL: 0.00 E	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.020 G 999 240	H 363 /- /- /227 /52 /64	
1 BCDL. 10.00 1	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.005 D	F 363 /- /- /227 /52 /-	
Doc   d+ 40 00	EXP: C Kzt: NA		HORZ(TL): 0.012 D	Wind reactions based on MWFRS	
NCBCLL 10 00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	H Brg Width = 4.0 Min Req = 1.5	
0-454 0.00	CDL: 5.0 psf BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.191	F Brg Width = 4.0 Min Req = 1.5	
1	/WFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.229	Bearings H & F are a rigid surface.	
1	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.043	Members not listed have forces less than 375#	
1 ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	oc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)			
	GCpi: 0.18	Plate Type(s):			
W	Vind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15		

### Lumber

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

### Wind

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

Left and right cantilevers are exposed to wind

### **Additional Notes**

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



05/19/2020

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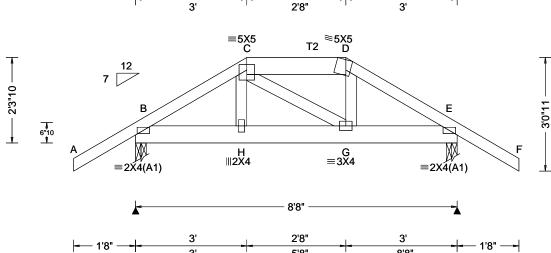
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SEQN: 344852 HIPS Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T39 FROM: CDM DrwNo: 140.20.1448.10483 Qty: 1 Goodrum Truss Label: G03 / YK 05/19/2020

5'8'

8'8"



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (Ib	s)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 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  Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE		Gravity  Loc R+ /R- /Rh  B 702 /- /- E 702 /- /- Wind reactions based on M B Brg Width = 3.5 E Brg Width = 3.5 Bearings B & E are a rigid s Members not listed have fo Maximum Top Chord Ford Chords Tens.Comp. C	Non-Gravity / Rw / U / RL  /- /174 /- /- /174 /- WFRS Min Req = 1.5 Min Req = 1.5 surface. rces less than 375#

### Lumber

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

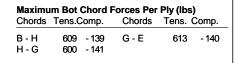
### **Special Loads**

	-			
(Lumber	Dur.Fac.=1.	25 / Plate D	or.Fac.=1.2	25)
TC: From	63 plf at	-1.67 to	63 plf at	3.00
TC: From	32 plf at	3.00 to	32 plf at	5.67
TC: From	63 plf at	5.67 to	63 plf at	10.33
BC: From	5 plf at	-1.67 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	3.03
BC: From	10 plf at	3.03 to	10 plf at	5.64
BC: From	20 plf at	5.64 to	20 plf at	8.67
BC: From			5 plf at	10.33
	Conc. Load		64	
	Conc. Load			
	Conc. Load	at 3.03, 5.	64	
BC: 54 lb	Conc. Load	at 4.33		

Wind loads and reactions based on MWFRS.

### **Additional Notes**

Refer to General Notes for additional information The overall height of this truss excluding overhang is 2-3-10.





05/19/2020

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6750 Forum Drive Suite 305 Orlando FL, 32821

SEQN: 344880 HIPM Ply: 2 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T2 FROM: CDM DrwNo: 140.20.1448.19940 Qty: 1 Goodrum Truss Label: H01 / YK 05/19/2020 2 Complete Trusses Required 11'8"15 14'3"5 16'11"8 4'1"11 6'8"1 9'2"8 2'4"11 2'6"7 2'6"7 2'6"7 2'6"7 2'8"3 =7X10 **=7X6 ≡3X4 ∥2X4 =4X5** =7X6 **IIIH1010** 1'6"14 ₩2 W 10 W12 6,10 0 =SS0712 113X4 **=7**X6 **=7**X6 **=7X6 ≡SŠ0712** |||3X6(\*\*)  $\equiv$ 6X6(A2) 16'11"8 1'9' 2'4"11 2'6"7 2'6"7 2'6"7 2'6"7 2'8"3 1'9" 4'1"11 6'8"1 9'2"8 11'8"15 14'3"5 16'11"8 Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) **Defl/CSI Criteria** ▲ Maximum Reactions (lbs) Non-Gravity Wind Std: ASCE 7-10 PP Deflection in loc L/defl L/# Gravity TCLL: Ct: NA CAT: NA 20.00 Pg: NA Loc R+ Speed: 130 mph /R /Rh /Rw /U /RL TCDL: 10.00 Pf: NA Ce: NA VERT(LL): 0.247 L 818 360 BCLL: Enclosure: Closed VERT(CL): 0.494 L 408 240 0.00 Lu: NA Cs: NA 5446 /-/791 Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.040 B *J*-/-5571 /406 EXP: C Kzt: NA Wind reactions based on MWFRS HORZ(TL): 0.079 B Des Ld: 40.00 Mean Height: 15.00 ft Brg Width = 4.0Min Req = 2.3NCBCLL: 0.00 Code / Misc Criteria Creep Factor: 2.0 TCDL: 5.0 psf Brg Width = 4.0 Min Req = 2.3 Blda Code: FBC 2017 RES Max TC CSI: 0.461 Soffit: 2.00 BCDL: 5.0 psf Bearings A & I are a rigid surface. TPI Std: 2014 Max BC CSI: 0.769 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: 0.947 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: Any Chords Tens.Comp. Chords Tens. Comp. Plate Type(s): GCpi: 0.18 1089 - 10293 WAVE, 18SS, HS VIEW Ver: 19.02.02B.0122.15 Wind Duration: 1.60 B - C 957 - 7107 F-G 795 - 8854 Lumber **Plating Notes** C-D 1190 - 9599 G-H 419 - 5450 Top chord: 2x6 SP 2400f-2.0E; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W2,W10 2x4 SP #2; (\*\*) 1 plate(s) require special positioning. Refer to D-E 1089-10293 scaled plate plot details for special positioning requirements. Maximum Bot Chord Forces Per Ply (lbs) W12 2x4 SP M-31; Wind Chords Tens.Comp. Chords Tens. Comp. Nailnote Wind loads and reactions based on MWFRS. A - O 9683 - 1183 3759 - 531 M - L Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 2 Rows @ 5.00" o.c. (Each Row) - 543 O - N3834 L-K 9021 - 833 Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overrang is
1-6-14.

No. 86367

STATE OF Additional Notes N - M 7372 - 986 K-J 5843 - 469 :1 Row @ 4" o.c. Maximum Web Forces Per Ply (lbs) Use equal spacing between rows and stagger nails in each row to avoid splitting. Webs Tens.Comp. Webs Tens. Comp. B - O 568 F-K 151 -657 Special Loads B - N 3641 - 461 K-G 3362 - 364 --(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) N-C 113 - 1051 G-J 197 - 1549 0.00 to TC: From 63 plf at 63 plf at C - M 2487 - 228 J - H 5930 - 456 TC: From 32 plf at 1.75 to 32 plf at 16.96 D-L H - I - 2512 199 BC: From TC: 5 10 plf at 0.00 to 10 plf at 16.96 673 0 5 lb Conc. Load at 1.78 L-F 1404 - 282 TC: 4 lb Conc. Load at 3.81, 5.81, 7.81, 9.81 11.81,13.81 51 lb Conc. Load at 15.65 BC: 1137 lb Conc. Load at 1.35 66 lb Conc. Load at 1.78 1096 lb Conc. Load at 3.35 28 lb Conc. Load at 3.81, 5.81, 7.81, 9.81 11.81,13.81 BC: 1118 lb Conc. Load at 5.35 BC: 1269 lb Conc. Load at 7.35

BC: 1295 lb Conc. Load at 9.35,11.35 BC: 1350 lb Conc. Load at 13.35,15.35 33 lb Conc. Load at 15.65

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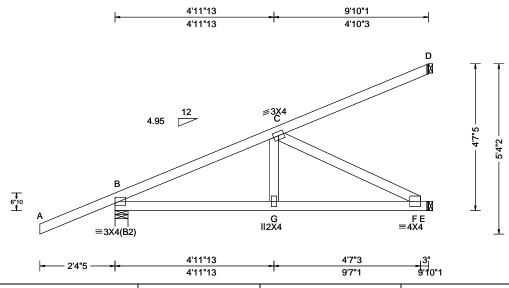
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FL REG# 278, Yoonhwak Kim, FL PE #86367

05/19/2020



SEQN: 344698 HIP\_ Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T51 FROM: CDM DrwNo: 140.20.1448.29407 Qty: 2 Goodrum Truss Label: HJ1 / YK 05/19/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.026 G 999 360	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.051 G 999 240	E
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.008 D	E
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.016 D	
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0	۷
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.704	E
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.704	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.330	le
-	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		1
	GCpi: 0.18	Plate Type(s):		ı,
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15	Ċ
Lumber				 P

	▲ Maximum Reactions (lbs)							
	Gravity				Non-Gravity			
)	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
)	В	374	/-	/-	/-	/222	/-	
	Е	334	/-	/-	/-	/85	/-	
	D	93	/-	/-	/-	/26	/-	
	Wi	nd read	ctions b	ased on I	<b>MWFRS</b>			
	В	Brg V	Vidth =	4.9	Min Re	q = 1.5	i	
			Vidth =	1.5	Min Re	q = -		
	D	Brg V	Vidth =	1.5	Min Re	q = -		
	Bea	aring B	is a rig	id surface	Э.			
	Members not listed have forces less than 375#							
	Ma	ximun	1 Top C	hord Fo	rces Per	Ply (lb:	s)	
	Ch	ords 7	Tens.Co	mp.		-		

Maximum Bot Chord Forces Per Ply (lbs)

G-F

Chords Tens. Comp.

547

- 183

B - C 236 - 597

Chords Tens.Comp.

556 - 183

Tens.Comp.

206 - 616

B - G

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 -2.36 to 0.00 to 62 plf at 0.00 2 plf at 2 plf at 0 plf at 9 84 BC: From -2.36 to 4 plf at 0.00 2 plf at 0.00 to BC: From 2 plf at

-55 lb Conc. Load at 1.38 124 lb Conc. Load at 4.21 265 lb Conc. Load at 7.03 20 lb Conc. Load at 1.38 TC: TC: BC: 107 lb Conc. Load at 4.21 186 lb Conc. Load at 7.03

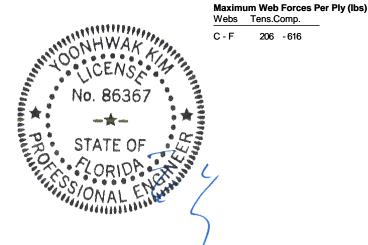
### Wind

Wind loads and reactions based on MWFRS.

### **Additional Notes**

Refer to General Notes for additional information The overall height of this truss excluding overhang is 4-7-5

Provide (3) 16d common 0.162"x3.5", toe-nails at TC. Provide (3) 16d common 0.162"x3.5", toe-nails at BC.



FL REG# 278, Yoonhwak Kim, FL PE #86367 05/19/2020

\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

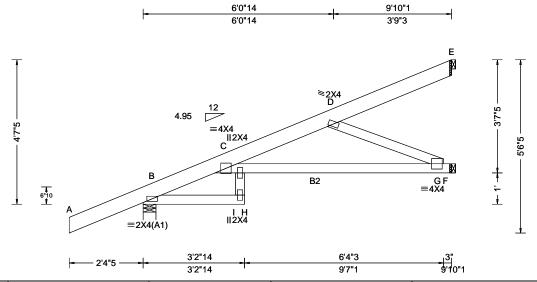
\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 344818 HIP\_ Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T22 FROM: CDM DrwNo: 140.20.1449.06517 Qty: 1 Goodrum Truss Label: HJ2 / YK 05/19/2020



TCLL: 20.00		Wind Std: ASCE 7-10	Pg:
TCDL: 10.00		Speed: 130 mph	Pf:
BCLL: 0.00		Enclosure: Closed	Lu:
BCDL: 10.00		Risk Category: II	Sno
Des Ld: 40.00	_	EXP: C Kzt: NA	
NCBCLL: 10.00		Mean Height: 15.00 ft	Cod
Soffit: 2.00		TCDL: 5.0 psf BCDL: 5.0 psf	Bldg
Load Duration: 1	.25	MWFRS Parallel Dist: 0 to h/2	TPI
Spacing: 24.0 "		C&C Dist a: 3.00 ft	Rep
' "		Loc. from endwall: not in 4.50 ft	FT/
		GCpi: 0.18	Plat
		Wind Duration: 1.60	WA

### Snow Criteria (Pg,Pf in PSF) Ct: NA CAT: NA ı: NA NA Ce: NA NA Cs: NA ow Duration: NA do / Misc Critoria

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

### **Defl/CSI Criteria** PP Deflection in loc L/defl L/# VERT(LL): 0.105 H 999 360 VERT(CL): 0.197 H 590 240 HORZ(LL): 0.038 I HORZ(TL): 0.072 I Creep Factor: 2.0

Max TC CSI: 0.337 Max BC CSI: 0.499 Max Web CSI: 0.334

VIEW Ver: 19.02.02B.0122.15

### ▲ Maximum Reactions (lbs)

	G	ravity		Non-Gravity			
Loc	: R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
В	655	/-	/-	/-	/321	/-	
F	547	/-	/-	/-	/112	/-	
Е	122	/-	/-	/-	/55	/-	
Wir	nd read	ctions b	ased on I	MWFRS			
B Brg Width = 4.9				Min Reg = 1.5			
F	Brg V	Vidth =	1.5	Min Re	q = -		
Е	Brg V	Vidth =	1.5	Min Re	q = -		

Bearing B is a rigid surface.

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

C-D 333 - 928

Lumber

Top chord: 2x6 SP 2400f-2.0E; Bot chord: 2x4 SP #2; B2 2x4 SP M-31; Webs: 2x4 SP #3;

Loading Criteria (psf) Wind Criteria

### **Special Loads**

(Lumber	Dur.Fac.=1.	25 / Plate [	Dur.Fac.=1.2	5)
TC: From	62 plf at	-2.36 to	62 plf at	1.38
TC: From	31 plf at	1.38 to	31 plf at	7.03
TC: From	62 plf at	7.03 to	62 plf at	9.84
BC: From	4 plf at	-2.36 to	4 plf at	0.00
BC: From	10 plf at	0.00 to	10 plf at	7.03
BC: From	20 plf at	7.03 to	20 plf at	9.84
TC: -55 lb	Conc. Load	at 1.38		
TC: 128 lb	Conc. Load	at 4.21		
TC: 265 lb	Conc. Load	at 7.03		
BC: 20 lb	Conc. Load	at 1.38		
BC: 86 lb	Conc. Load	at 4.21		
BC: 163 lb	Conc. Load	at 7.03		

Wind loads and reactions based on MWFRS.

### Additional Notes

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

Provide (3) 16d common 0.162"x3.5", toe-nails at TC. Provide hanger or special connection at BC.

# Maximum Bot Chord Forces Per Ply (lbs)

	Tens.Comp.			
C - I	952 - 276	I-G	928 - 326	

### Maximum Web Forces Per Ply (lbs)

Nebs	Tens.Comp.
) - G	359 - 1011



FL REG# 278, Yoonhwak Kim, FL PE #86367 05/19/2020

\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

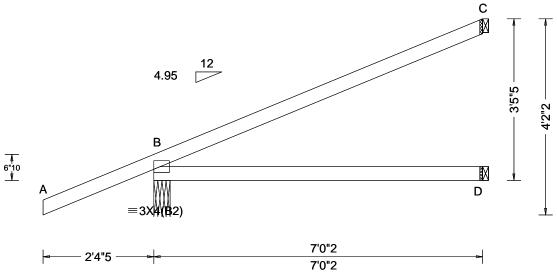
\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 344697 HIP\_ Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T6 FROM: CDM Qty: 2 DrwNo: 140.20.1449.09527 Goodrum Truss Label: HJ3 / YK 05/19/2020



	102						
Loading Criteria (psf) Wind Criteria		Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria		▲ Maximum Reactions (lbs)			
	TCLL: 20.00 TCDL: 10.00	Wind Std: ASCE 7-10 Speed: 130 mph	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA	PP Deflection in loc L/defl L/# VERT(LL): NA	Gravity Loc R+ /R- /Rh	Non-Gravity / Rw / U / RL	
	BCLL: 0.00 BCDL: 10.00	Enclosure: Closed Risk Category: II	Lu: NA Cs: NA Snow Duration: NA	VERT(CL): NA	B 290 /- /-	/- /176 /-	
	Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.012 D	D 130 /- /- C 73 /- /-	/- /7 /- /- /47 /-	
	NCBCLL: 10.00 Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	Code / Misc Criteria Bldg Code: FBC 2017 RES	Creep Factor: 2.0 Max TC CSI: 0.526	Wind reactions based on M B Brg Width = 4.2	Min Req = 1.5	
	Load Duration: 1.25 Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft	TPI Std: 2014 Rep Fac: Varies by Ld Case	Max BC CSI: 0.528 Max Web CSI: 0.000	D Brg Width = 1.5 C Brg Width = 1.5 Bearing B is a rigid surface.	Min Req = - Min Req = -	
		Loc. from endwall: Any GCpi: 0.18	FT/RT:20(0)/10(0) Plate Type(s):		Members not listed have fo		
		Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15			

### Lumber

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

### **Special Loads**

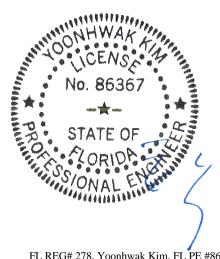
---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 0 plf at -2.36 to 62 plf at 0.00 TC: From 2 plf at 0 plf at 2 plf at 0.00 to -2.36 to 2 plf at 4 plf at 7.01 BC: From 0.00 BC: From 0.00 to 7.01 2 plf at -55 lb Conc. Load at 1.38 124 lb Conc. Load at 4.21

BC: 20 lb Conc. Load at 1.38 BC: 107 lb Conc. Load at 4.21 20 lb Conc. Load at 1.38

Wind loads and reactions based on MWFRS.

### Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367 05/19/2020

\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

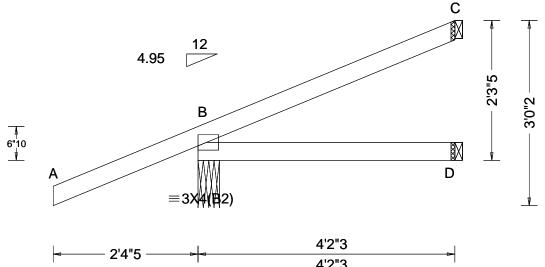
\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 344699 HIP\_ Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T45 FROM: CDM DrwNo: 140.20.1449.10903 Qty: 2 Goodrum Truss Label: HJ4 / YK 05/19/2020



423					
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lb	s)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	B 211 /- /-	/- /137 /-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.003 D	D 74 /- /-	/- /9 /-
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.004 D	C 34 /-21 /-	/- /31 /-
NCBCLL: 10.00	TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0	Wind reactions based on M	-
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.192	, ,	Min Req = 1.5
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.172		Min Req = -
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.000	C Brg Width = 1.5 Bearing B is a rigid surface.	Min Req = -
-1 3	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		Members not listed have for	
	GCpi: 0.18	Plate Type(s):		iviembers not listed nave for	1000 1000 trial 1 0 1 0#
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15		

### Lumber

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

### **Special Loads**

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From TC: From BC: From -0 plf at -2.36 to 62 plf at 0.00 2 plf at 0 plf at 2 plf at 0.00 to -2.36 to 2 plf at 4 plf at 4.18 0.00 BC: From 0.00 to 2 plf at -55 lb Conc. Load at 1.38

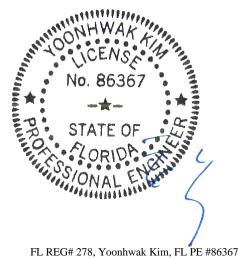
20 lb Conc. Load at 1.38

### Wind

Wind loads and reactions based on MWFRS.

### **Additional Notes**

Refer to General Notes for additional information The overall height of this truss excluding overhang is 2-3-5.



05/19/2020

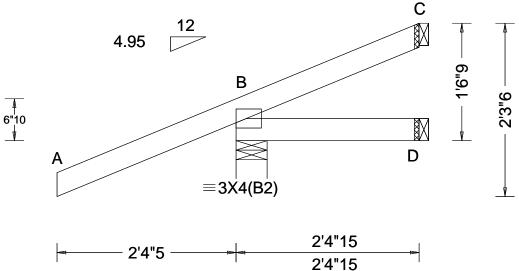
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 344658 HIP\_ Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T7 FROM: CDM DrwNo: 140.20.1449.13630 Qty: 1 Goodrum Truss Label: HJ5 / YK 05/19/2020



	2 + 10					
Loading Criteria (psf) Wind Criteria		Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria				
	TCLL: 20.00 TCDL: 10.00	Wind Std: ASCE 7-10 Speed: 130 mph	, -	PP Deflection in loc L/defl L/# VERT(LL): NA	Gravity Loc R+ /R- /Rh	Non-Gravity / Rw / U / RL
	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: 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	Lu: NA Cs: NA Snow Duration: NA  Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	VERT(CL): NA HORZ(LL): -0.001 C HORZ(TL): 0.002 C Creep Factor: 2.0 Max TC CSI: 0.177 Max BC CSI: 0.043 Max Web CSI: 0.000	B 170 /- /- D 38 /-4 /- C 1 /-19 /- Wind reactions based on M B Brg Width = 4.9 D Brg Width = 1.5 C Brg Width = 1.5 Bearing B is a rigid surface Members not listed have for	Min Req = 1.5 Min Req = - Min Req = -
		Wind Duration: 1 60	WAVE	VIFW Ver: 19 02 02B 0122 15		

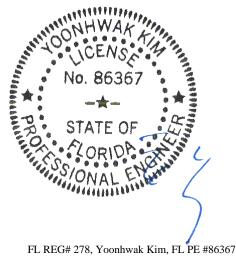
### Lumber

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

Wind loads and reactions based on MWFRS.

### **Additional Notes**

Refer to General Notes for additional information The overall height of this truss excluding overhang is 1-6-9.



05/19/2020

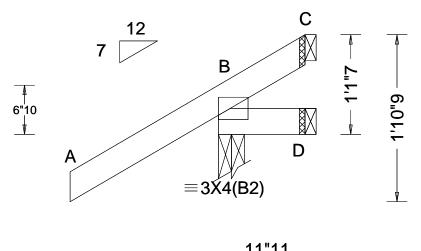
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 344660 **JACK** Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T4 FROM: CDM DrwNo: 140.20.1449.16230 Qty: 14 Goodrum Truss Label: J1 / YK 05/19/2020



	-	<b>■</b> 1'8" — ■	11"11
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TO!! 00.00	M/: 04-1: A O O E 7 4 O	D 314 OL 314 OAT 314	

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (lbs	3)
TCLL: 20.00	Wind Std: ASCE 7-10	Pa: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: Closed Risk Category: II	Lu: NA Cs: NA	VERT(CL): NA	B 269 /- /-	/216 /66 /43
BCDL: 10.00	EXP: C Kzt: NA	Snow Duration: NA	HORZ(LL): -0.001 C	D 10 /-10 /-	/15 /11 /-
Des Ld: 40.00	Mean Height: 15.00 ft		HORZ(TL): 0.002 C	C - /-65 /-	/35 /67 /-
NCBCLL: 10.00	TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0	Wind reactions based on MV	
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.227		Min Req = 1.5
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.032		Min Req = -
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000	Bearing B is a rigid surface.	Min Req = -
-   -	Loc. from endwall: Any	FT/RT:20(0)/10(0)		Members not listed have force	oc loce than 275#
	GCpi: 0.18	Plate Type(s):		iviembers not listed have fort	Jes 1655 tildli 3/3#
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15		

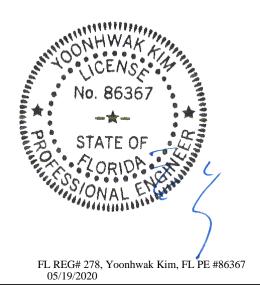
### Lumber

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

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

### Additional Notes

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



\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

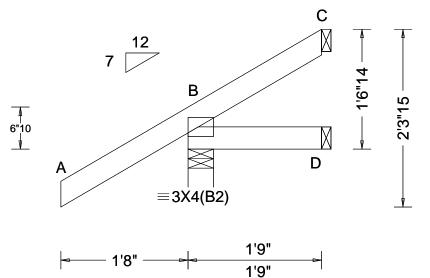
\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 344654 **EJAC** Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T8 FROM: CDM DrwNo: 140.20.1449.18410 Qty: 7 Goodrum Truss Label: J1A / YK 05/19/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (lbs)	
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity	,
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc R+ /R- /Rh /Rw /U /	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	B 249 /- /- /192 /46 /9	/56
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 C	D 28 /- /- /24 /5 /-	<u>_</u>
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.002 C Creep Factor: 2.0  Max TC CSI: 0.227  Max BC CSI: 0.038  Max Web CSI: 0.000	C 4 /- /- /21 /17 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375	
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15		

### Lumber

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

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

### Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 1-6-14.



FL REG# 278, Yoonhwak Kim, FL PE #86367 05/19/2020

\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

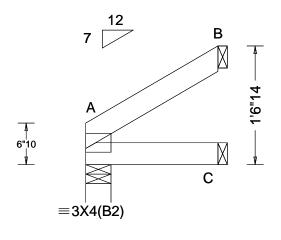
\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

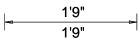
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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



SEQN: 344670 **EJAC** Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T9 FROM: CDM DrwNo: 140.20.1449.20217 Qty: 1 Goodrum Truss Label: J1B / YK 05/19/2020





			=		
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (II	os)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	A 76 /- /-	/48 /- /19
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 C	C 33 /- /-	/23 /- /-
Des Ld: 40.00			HORZ(TL): 0.000 C	B 51 /- /-	/27 /13 /-
		Code / Misc Criteria	Creep Factor: 2.0	Wind reactions based on N	/IWFRS
		Bldg Code: FBC 2017 RES	Max TC CSI: 0.043	A Brg Width = 4.0	Min Req = 1.5
		TPI Std: 2014	Max BC CSI: 0.030	, , , , , , , , , , , , , , , , , , , ,	- 1
		Rep Fac: Yes	Max Web CSI: 0.000		•
opacing. 24.0		•		, ,	
		1 ' ' ' '		Members not listed have to	ces less than 375#
	1		VIEW Ver: 19 02 02B 0122 15	1	
BCLL: 0.00 BCDL: 10.00	Enclosure: Closed	Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES	VERT(CL): NA HORZ(LL): 0.000 C HORZ(TL): 0.000 C Creep Factor: 2.0 Max TC CSI: 0.043 Max BC CSI: 0.030	A 76 /- /- C 33 /- /- B 51 /- /- Wind reactions based on N	/48 /- /1 /23 /- /- /27 /13 /- MWFRS Min Req = 1.5 Min Req = - Min Req = -

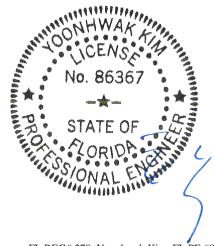
### Lumber

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

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

### Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 1-6-14.



FL REG# 278, Yoonhwak Kim, FL PE #86367 05/19/2020

\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

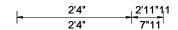
\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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.

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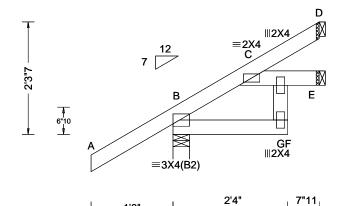


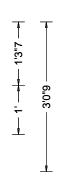
SEQN: 344810 **JACK** Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T21 FROM: CDM DrwNo: 140.20.1449.23310 Qty: 2 Goodrum Truss Label: J2 / YK 05/19/2020



2'4"

2'11"11





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	1
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.003 G 999 360	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.006 G 999 240	l
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.003 G	E
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.004 G	1
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0	١
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.227	[
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.042	15
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.029	1:
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		l,
	GCpi: 0.18	Plate Type(s):		յ՝
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15	

1'8"

▲ Ma	aximı	ım Rea	ictions (l	bs)		
	G	ravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
в :	274	/-	/-	/203	/40	/76
E 4	43	/-	/-	/34	/1	/-
D (	64	/-	/-	/32	/27	/-
Wine	d read	ctions b	ased on I	MWFRS		
В	Brg V	Vidth =	4.0	Min Re	q = 1.5	5
Е	Brg V	Vidth =	1.5	Min Re	q = -	
D	Brg V	Vidth =	1.5	Min Re	q = -	
Bear	ring B	is a rig	jid surfac	e.	-	
Men	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;

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

### **Additional Notes**

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



FL REG# 278, Yoonhwak Kim, FL PE #86367 05/19/2020

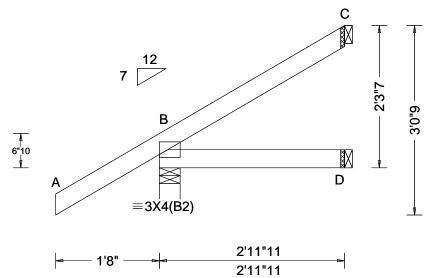
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*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 of the property attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, drawings 160A-Z for standard plate positions.

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SEQN: 344661 **JACK** Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T3 FROM: CDM DrwNo: 140.20.1449.25000 Qty: 8 Goodrum Truss Label: J3 / YK 05/19/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (Ib	•
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	B 274 /- /-	/203 /40 /76
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 C	D 53 /- /-	/40 /- /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 C	C 62 /- /-	/26 /30 /-
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0	Wind reactions based on M	
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.227	B Brg Width = 4.0	Min Req = 1.5
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.086	D Brg Width = 1.5	Min Req = -
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000	C Brg Width = 1.5	Min Req = -
opasg. =	Loc. from endwall: Any	FT/RT:20(0)/10(0)		Bearing B is a rigid surface	
	GCpi: 0.18	Plate Type(s):		Members not listed have for	rces less than 375#
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15	]	

### Lumber

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

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

### Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 2-3-7.



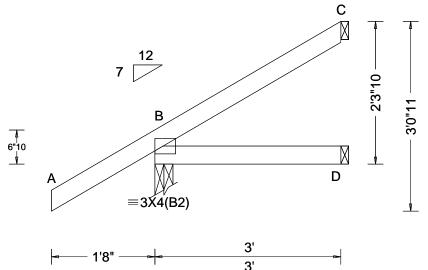
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 344657 **EJAC** Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T44 FROM: CDM DrwNo: 140.20.1449.26067 Qty: 3 Goodrum Truss Label: J3A / YK 05/19/2020



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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)	
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA	Gravity Non-Gravity  Loc R+ / R- / Rh / Rw / U / RL  B 275 /- /- /204 /40 /77	_
BCDL: 10.00 Des Ld: 40.00	Risk Category: II EXP: C Kzt: NA	Snow Duration: NA	HORZ(LL): -0.001 C HORZ(TL): 0.001 C	B   275  -  -  204  40  77   D   54  -  -  40  -  -	
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: not in 4.50 ft GCpi: 0.18	Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Creep Factor: 2.0 Max TC CSI: 0.227 Max BC CSI: 0.088 Max Web CSI: 0.000	Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#	
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15		

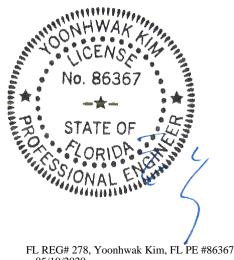
### Lumber

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

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

### Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 2-3-10.



05/19/2020

\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

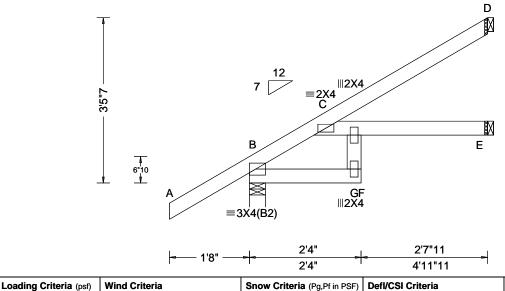
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SEQN: 344813 **JACK** Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T24 FROM: CDM DrwNo: 140.20.1449.28160 Qty: 2 Goodrum Truss Label: J4 / YK 05/19/2020



TCLL:	20.00	Wind Std: ASCE 7-10
TCDL:	10.00	Speed: 130 mph
BCLL:	0.00	Enclosure: Closed
BCDL:	10.00	Risk Category: II
Dag 1 d.	40.00	EXP: C Kzt: NA
Des Ld:		Mean Height: 15.00 ft
NCBCLL	: 10.00	TCDL: 5.0 psf
Soffit:	2.00	BCDL: 5.0 psf
Load Dur	ation: 1.25	MWFRS Parallel Dist: 0 t
Spacing:	24.0 "	C&C Dist a: 3.00 ft
		Loc. from endwall: not in

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to
C&C Dist a: 3.00 ft

GCpi: 0.18

Wind Duration: 1.60

	Code / Misc Criteria Bldg Code: FBC 2017
to h/2	TPI Std: 2014
	Rep Fac: Yes
4.50 ft	FT/RT:20(0)/10(0)
	Plate Type(s):
	WAVE

Pg: NA

Ce: NA

Pf: NA

Lu: NA

Cs: NA

Snow Duration: NA

### Ct: NA CAT: NA PP Deflection in loc L/defl L/# VERT(LL): 0.037 F 999 360 VERT(CL): 0.074 F 797 240 HORZ(LL): 0.023 G HORZ(TL): 0.045 G Creep Factor: 2.0 RES Max TC CSI: 0.350 Max BC CSI: 0.206 Max W

Max Web CSI: 0.127	
VIEW Ver: 19.02.02B.0122.15	

### ▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 343 /-/245 /40 /110 Е 82 /-/58 132 /71 Wind reactions based on MWFRS Brg Width = 4.0 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 loads based on MWFRS with additional C&C member design.

### **Additional Notes**

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



FL REG# 278, Yoonhwak Kim, FL PE #86367 05/19/2020

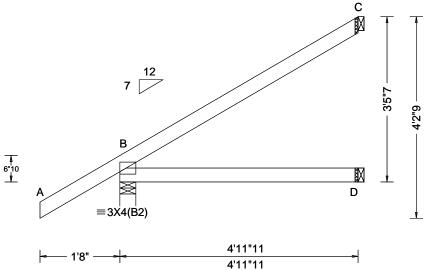
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SEQN: 344650 **JACK** Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T50 FROM: CDM DrwNo: 140.20.1449.29490 Qty: 4 Goodrum Truss Label: J5 / YK 05/19/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)	
TCLL: 20.00	Wind Std: ASCE 7-10		PP Deflection in loc L/defl L/#	Gravity Loc R+ /R- /Rh	Non-Gravity / Rw / U / RL
TCDL: 10.00	Speed: 130 mph Enclosure: Closed	Pf: NA Ce: NA	VERT(LL): NA		
BCLL: 0.00 BCDL: 10.00	Risk Category: II EXP: C Kzt: NA	Lu: NA Cs: NA Snow Duration: NA	VERT(CL): NA HORZ(LL): 0.003 D	B 343 /- /- D 93 /- /-	/245 /40 /110 /65 /- /-
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Des Ld: 40.00  NCBCLL: 10.00  Soffit: 2.00  Load Duration: 1.25  Mean Height: 15.00 ft  TCDL: 5.0 psf  BCDL: 5.0 psf  MWFRS Parallel Dist: 0 to h/2	Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0)	HORZ(TL): 0.005 D Creep Factor: 2.0  Max TC CSI: 0.337  Max BC CSI: 0.268  Max Web CSI: 0.000	C 132 /- /- Wind reactions based on M B Brg Width = 4.0 D Brg Width = 1.5 C Brg Width = 1.5 Bearing B is a rigid surface Members not listed have for	Min Req = 1.5 Min Req = - Min Req = -
	GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): WAVE	VIEW Ver: 19.02.02B.0122.15		

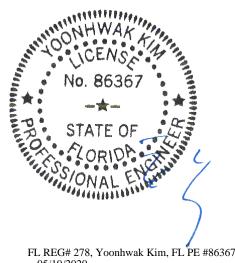
### Lumber

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

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

### Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 3-5-7.



05/19/2020

\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

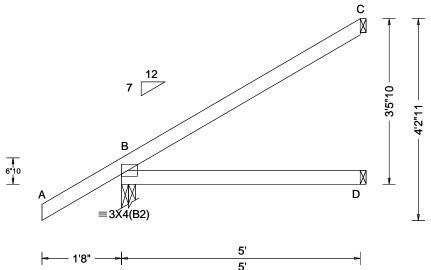
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Refer to distance of the property of

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SEQN: 344655 **EJAC** Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T5 FROM: CDM DrwNo: 140.20.1449.31553 Qty: 18 Goodrum Truss Label: J5A / YK 05/19/2020



			3		
Loading Criteria (psf) TCLL: 20.00	Wind Criteria Wind Std: ASCE 7-10	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/#	▲ Maximum Reactions (lbs)  Gravity Non-Gravity	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ct. NA CAT. NA	VERT(LL): NA	Loc R+ /R- /Rh /Rw /U /RL	
BCLL: 0.00 BCDL: 10.00	Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Lu: NA Cs: NA Snow Duration: NA	VERT(CL): NA HORZ(LL): 0.003 D	B 344 /- /- /246 /40 /110 D 94 /- /- /65 /- /-	
Des Ld: 40.00 Mean TCDL: 506ffit: 2.00 BCDL Load Duration: 1.25 MWFF Spacing: 24.0 " EXP: 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	Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014	HORZ(TL): 0.005 D Creep Factor: 2.0  Max TC CSI: 0.342  Max BC CSI: 0.271  Max Web CSI: 0.000	C 133 /- /- /65 /58 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#	/58 /- eq = 1.5 eq = - eq = -
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15		

### Lumber

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

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

### Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 3-5-10.



FL REG# 278, Yoonhwak Kim, FL PE #86367 05/19/2020

\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

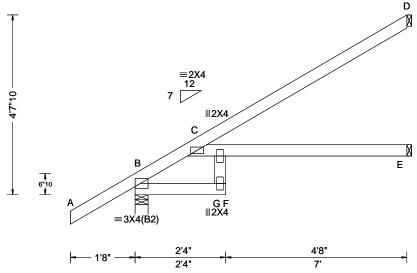
\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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.

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



SEQN: 344855 **EJAC** Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T19 FROM: CDM DrwNo: 140.20.1449.33377 Qty: 4 Goodrum Truss Label: J6 / YK 05/19/2020



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 "
l

Loading Criteria (psf)

**Wind Criteria** Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf

BCDL: 5.0 psf MWFRS Parallel Dist: 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

### Snow Criteria (Pg,Pf in PSF) Ct: NA CAT: NA Pg: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

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

### **Defl/CSI Criteria** PP Deflection in loc L/defl L/#

VERT(LL): 0.134 F 623 360 VERT(CL): 0.268 F 310 240 HORZ(LL): 0.075 G HORZ(TL): 0.151 G Creep Factor: 2.0 Max TC CSI: 0.760 Max BC CSI: 0.464 Max Web CSI: 0.300

VIEW Ver: 19.02.02B.0122.15

## ▲ Maximum Reactions (lbs)

Gravity				Non-Gravity			
Lo	c R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
В	421	/-	/-	/295	/42	/144	
Е	122	/-	/-	/86	/2	/-	
D	194	/-	/-	/105	/78	/-	
Wi	Wind reactions based on MWFRS						
В		Vidth =		Min Re	q = 1.5	5	
E	Brg V	Vidth =	1.5	Min Re	q = -		
D	Brg \	Vidth =	1.5	Min Re	q = -		
Ве	aring E	is a rig	gid 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 loads based on MWFRS with additional C&C member design.

### **Additional Notes**

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



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\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

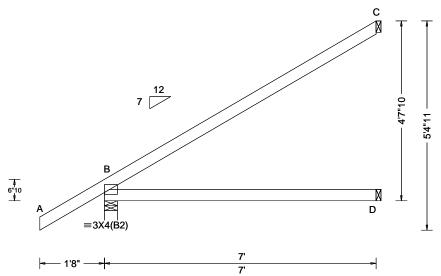
\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 344653 **EJAC** Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T23 FROM: CDM DrwNo: 140.20.1449.35147 Qty: 17 Goodrum Truss Label: J7 / YK 05/19/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (Ib	os)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	B 421 /- /-	/295 /42 /144
BCDL: 10.00	Risk Category: II EXP: C Kzt: NA	Snow Duration: NA	HORZ(LL): 0.011 D	D 133 /- /-	/91 /- /-
Des Ld: 40.00			HORZ(TL): 0.021 D	C 196 /- /-	/100 /83 /-
NCBCLL: 10.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	Wind reactions based on M	
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.781	B Brg Width = 4.0	Min Req = 1.5
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.547	D Brg Width = 1.5	Min Req = -
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000	C Brg Width = 1.5	Min Req = -
Opaonig. 2 1.0	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		Bearing B is a rigid surface	
	GCpi: 0.18	Plate Type(s):		Members not listed have for	rces less than 3/5#
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15		

### Lumber

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

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

### Additional Notes

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



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\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

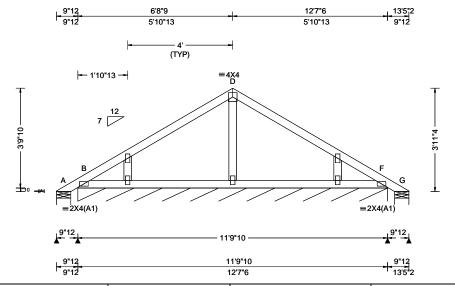
\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 344656 GABL Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T25 FROM: CDM Qty: 9 DrwNo: 140.20.1449.39183 Goodrum Truss Label: P01 / YK 05/19/2020



Loading Criteria (psf) TCLL: 20.00	Wind Criteria Wind Std: ASCE 7-10
TCDL: 10.00 BCLL: 0.00	Speed: 130 mph Enclosure: Closed
BCDL: 10.00 Des Ld: 40.00	Risk Category: II EXP: C Kzt: NA
NCBCLL: 10.00 Soffit: 2.00	Mean Height: 15.50 ft TCDL: 5.0 psf BCDL: 5.0 psf
Load Duration: 1.25 Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft
	Loc. from endwall: not in 13.00 ft GCpi: 0.18

Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)					
Pg: NA	Ct: NA	CAT: NA			
Pf: NA		Ce: NA			
Lu: NA	Cs: NA				
Snow Duration: NA					

## Defl/CSI Criteria

Delifooi Cillelia	
PP Deflection in loc L/defl L/#	
VERT(LL): 0.001 D 999 36	0
VERT(CL): 0.001 D 999 24	0
HORZ(LL): 0.001 E	
HORZ(TL): 0.001 E	
Creep Factor: 2.0	
Max TC CSI: 0.205	
Max BC CSI: 0.054	
Max Web CSI: 0.053	

VIEW Ver: 19.02.02B.0122.15

### ▲ Maximum Reactions (lbs), or \*=PLF Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 32 /60 /42 /103 В\* 68 /-/43 /0 /-G 32 /21 Wind reactions based on MWFRS Brg Width = 6.5 Min Req = 1.5 Brg Width = 141 Min Req = Brg Width = 6.5 Min Rea = 1.5

# Bearings A, B, & G 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;

### **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.

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

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

### **Additional Notes**

Refer to General Notes for additional information See DWGS A14030ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.

Refer to DWG PB160101014 for piggyback details.

The overall height of this truss excluding overhang is 13-2-14.



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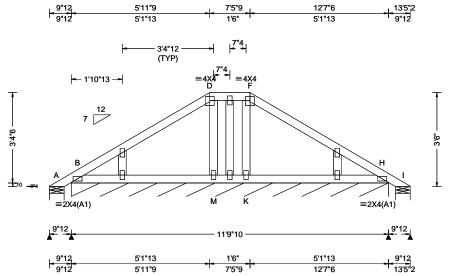
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 344863 GABL Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T58 FROM: CDM DrwNo: 140.20.1449.43490 Qty: 2 Goodrum Truss Label: P02 / YK 05/19/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (Ib	s), or *=PLF
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.000 F 999 360	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 F 999 240	A 24 /- /-	/54 /39 /92
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 G	B* 69 /- /-	/43 /1 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 G	I 24 /- /-	/17 /2 /-
NCBCLL: 10.00	Mean Height: 15.28 ft	Code / Misc Criteria	Creep Factor: 2.0	Wind reactions based on M	-
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.133	A Brg Width = 6.5	Min Req = 1.5
Load Duration: 1.25	BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.034	B Brg Width = 141	Min Req = -
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.037	I Brg Width = 6.5	Min Req = 1.5
Spacing. 24.0	Loc. from endwall: not in 13.00 ft		max rros con cico.	Bearings A, B, & I are a rigi	
		, , , , ,		Members not listed have fo	rces less than 375#
	GCpi: 0.18	Plate Type(s):		1	
	Wind Duration: 1.60	I WAVE	VIEW Ver: 19.02.02B.0122.15		

### Lumber

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

### **Plating Notes**

All plates are 2X4 except as noted.

### 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.

### **Additional Notes**

Refer to General Notes for additional information See DWGS A14030ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.

Refer to DWG PB160101014 for piggyback details. The overall height of this truss excluding overhang is 12-9-10



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\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

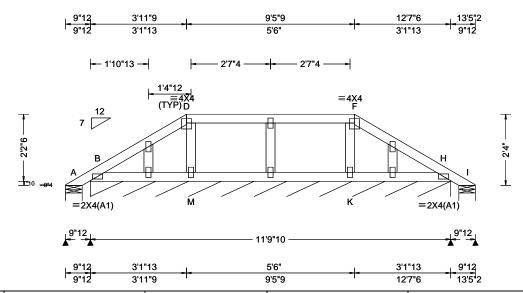
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SEQN: 344866 GABL Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T18 FROM: CDM DrwNo: 140.20.1449.46097 Qty: 2 Goodrum Truss Label: P03 / YK 05/19/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (It	os), or *=PLF
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.000 E 999 360	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 E 999 240	A 12 /- /-	/39 /28 /59
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 J	B* 71 /- /-	/47 /28 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 J	I 12 /- /-	/13 /5 /-
NCBCLL: 10.00	Mean Height: 19.57 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0	Wind reactions based on N	-
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.107	A Brg Width = 6.5	Min Req = 1.5
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.031	B Brg Width = 141	Min Req = -
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.041	I Brg Width = 6.5 Bearings A, B, & I are a rig	Min Req = 1.5
-1 3	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		Members not listed have for	
	GCpi: 0.18	Plate Type(s):		Wellibers not listed have it	nces less than 575#
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15		

### Lumber

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

### **Plating Notes**

All plates are 2X4 except as noted.

### 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

### **Additional Notes**

Refer to General Notes for additional information See DWGS A14030ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements. Refer to DWG PB160101014 for piggyback details.

The overall height of this truss excluding overhang is



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\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

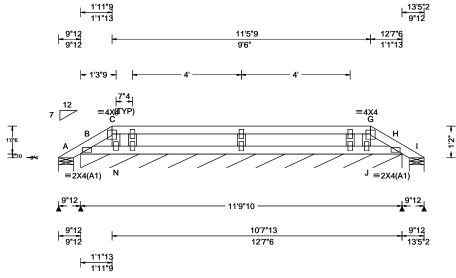
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6750 Forum Drive Suite 305 Orlando FL, 32821

SEQN: 344869 GABL Ply: 1 Job Number: 20-4261 Cust: R 215 JRef: 1WVe2150007 T59 FROM: CDM DrwNo: 140.20.1449.50940 Qty: 2 Goodrum Truss Label: P04 / YK 05/19/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.000 E 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.000 E 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 J
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.000 J
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.182
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.059
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.049
	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: 19.02.02B.0122.15

▲ M	axim	um Rea	ctions (I	bs), or *=	PLF	
	G	ravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Α	19	/-	/-	/20	/7	/27
В*	70	/-	/-	/38	/8	/-
I	19	/-	/-	/16	/2	/-
Win	d read	ctions b	ased on N	<b>IWFRS</b>		
Α	Brg V	Vidth =	6.5	Min Re	q = 1.	5
В	Brg V	Vidth =	141	Min Re	q = -	
ı	Brg V	Vidth =	6.5	Min Re	$\dot{q} = 1.$	5
Bea	rings	A, B, &	I are a rig			
	_		ed have fo			375#
vier	nbers	not liste	ea nave to	orces les	s tnan	3/5#

### 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

### **Additional Notes**

Refer to General Notes for additional information See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.

Refer to DWG PB160101014 for piggyback details. The overall height of this truss excluding overhang is 10-5-10.



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Refer to distance of the property of the prope

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.



# 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.

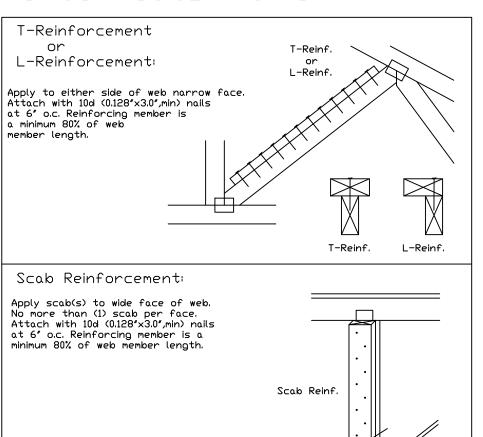
Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type.

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 rows	2×6	2-2×4(*)
2×8	1 row	2×6	1-2×8
2×8	2 rows	2×6	2-2×6( <del>*)</del>

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.



RC LL

TDT. LD.

DVR. FAC.

SPACING

**PSF** 

PSF

PSF

PSF

REF

DATE

CLR Subst.

01/02/19

DRWG BRCLBSUB0119



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Trusses require extreme care in fabricating, handling, shipping, installing and bridge, 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 pracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and botton chord shall have a properly attached right extended shall have a properly attached right extended the shall have a properly attached right celling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or BIO, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 1604–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.lccsafe.org



13723 Riverport Drive Maryland Heights, MO 63043

## Piggyback Detail - ASCE 7-10: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

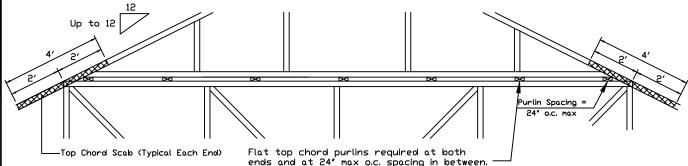
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0. Dr 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

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" nails, (4) into cap TC & (4) into base truss TC or (1) 28PB wave piggyback plate plated to the piggyback truss TC and attached to the base truss TC with (4) 0.120"x1.375" nails. Note: Nailing thru holes of wave plate is acceptable.

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

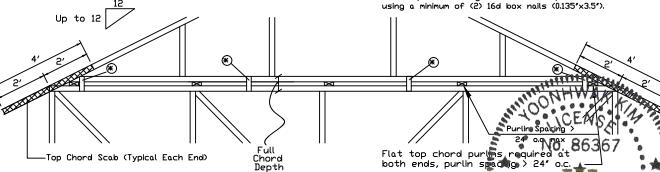
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Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nalls (0.128"x3") at 4" o.c.

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 truss, purlins must be installed at 24" o.c. max. and use Detail A.

\*\*\*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 information, by TPI and SBCA) for safety information, by TPI and SBCA for safety information, and botton chord shall have a properly attached right ceiling, locations share for permanent lateral restraint of webs shall have a properly attached right ceiling, locations share for permanent lateral restraint of webs of truss and position as shown above and on the Joint Details, unless noted otherwise.

Apine, a division of ITV Building Components from the safety and the safety in the safety of the safety of the safety in the safety of th

Alpine, a division of ITV Bullaing 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 to bracing of trusses.

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

\* 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 (0.113'x2') nails 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.

SPACING.

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

Ine 28PB wave piggyback plate to each face 8% o.c. Attach teeth to piggyback at time of fabrication. Attach to supporting truss with (4) 0.1207x1.375′ nails per face per ply.
Piggyback plates may be staggered 4′ o.c. front ltő back fáces.

> REF PIGGYBACK DATE 10/01/14

DRWG PB160101014

24.0\*

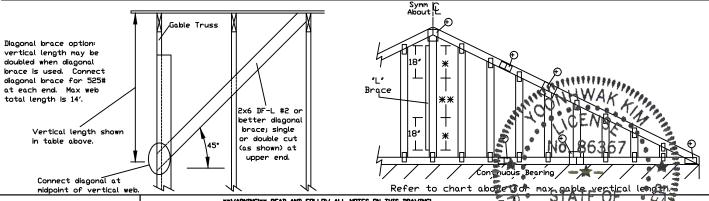
## Gable Stud Reinforcement Detail

ASCE 7-10: 140 mph Wind Speed, 30' Mean Height, Enclosed, Exposure C, Kzt = 1.00

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

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

	Ur: 100 mpn wind speed, 30 mean Height, Partially Enclosed, Exposure D, Kzt = 1.00								,						
		2x4 Vertica	Brace	No	(1) 1×4 *L	" Brace *	(1) 2×4 *L	." Brace *	(2) 2×4 *L	" Brace **	(1) 2x6 <b>'</b> L	." Brace *	(2) 2x6 *L	*Brace *	*
	1	Species	Grade		Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	
† 1			#1 / #2	4′ 1″	6′ 11 <b>″</b>	7′ 2″	8′ 2 <b>″</b>	8′ 6 <b>″</b>	9′ 9″	10′ 2″	12′ 10″	13′ 4″	14′ 0″	14′ 0″	1
	1	SPF	#3	3′ 10 <b>″</b>	6′ 2″	6′ 7″	8′ 1″	8′ 5 <b>″</b>	9′ 8″	10′ 0″	12′ 8″	13′ 2″	14′ 0″	14′ 0″	]
D	Ų	HF	Stud	3′ 10″	6′ 2 <b>″</b>	6′ 6″	8′ 1 <b>″</b>	8′ 5 <b>″</b>	9′ 8″	10′ 0″	12′ 8″	13′ 2″	14′ 0″	14′ 0″	]
		1 11	Standard	3′ 10 <b>″</b>	5′ 3 <b>″</b>	5′ 7 <b>″</b>	7′ 0″	7′ 6″	9′ 6″	10′ 0″	11′ 0″	11′ 10″	14′ 0″	14′ 0″	]
به			#1	4′ 2″	7′ 0″	7′ 3″	8′ 3 <b>″</b>	8′ 7 <b>″</b>	9′ 10″	10′ 3″	13′ 0″	13′ 6″	14′ 0″	14′ 0″	]
		l SP	#2	4′ 1″	6′ 11″	7′ 2″	8′ 2″	8′ 6 <b>″</b>	9′ 9″	10′ 2″	12′ 10 <b>″</b>	13′ 4″	14′ 0″	14′ 0″	1
	4		#3	4′ 0″	5′ 7 <b>″</b>	5′ 11″	7′ 5″	7′ 11″	9′ 8″	10′ 1″	11′ 7″	12′ 5″	14′ 0″	14′ 0″	╛
		IDFL	Stud	4' 0"	5′ 7 <b>″</b>	5′ 11″	7′ 5″	7′ 11″	9′ 8″	10′ 1″	11′ 7″	12′ 5″	14′ 0″	14′ 0″	╛
č			Standard	3′ 9″	4′ 11″	5′ 13 <b>″</b>	6′ 6″	7′ 0″	8′ 10 <b>″</b>	9′ 6″	10′ 3″	11′ 0″	13′ 11″	14′ 0″	╛
<u>U.U</u>		SPF	#1 / #2	4′ 8″	7′ 11″	8′ 3″	9′ 4″	9′ 9″	11′ 2″	11′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	╛
1 =		12LL	#3	4′ 5″	7′ 6″	8′ 3″	9′ 3″	9′ 7″	11′ 0″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	╛
<u> </u>	o U	HF	Stud	4′ 5″	7′ 6″	8′ 0 <b>″</b>	9′ 3″	9′ 7″	11′ 0″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	╛
Πā	ΙŌ	1 11	Standard	4′ 5″	6′ 5 <b>″</b>	6′ 10″	8′ 7″	9′ 2″	11′ 0″	11′ 6″	13′ 6″	14′ 0″	14′ 0″	14′ 0″	╛
~	_		#1	4′ 10 <b>″</b>	8′ 0 <b>″</b>	8′ 4″	9′ 6″	9′ 10″	11′ 3″	11′ 9″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	┙
/		SP	#2	4′ 8″	7′ 11″	8′ 3″	9′ 4″	9′ 9″	11′ 2″	11′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	┙
	9	<sub>D</sub> _,	#3	4′ 7″	6′ 10″	7′ 3″	9′ 1″	9′ 8″	11′ 1″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	╛
W	<b> </b>	DFL	Stud	4′ 7″	6′ 10″	7′ 3″	9′ 1″	9′ 8″	11′ 1″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
$\square \subset$			Standard	4′ 5″	6′ 0 <b>″</b>	6′ 5 <b>″</b>	8′ 0 <b>″</b>	8′ 7 <b>″</b>	10′ 10″	11′ 6″	12′ 7″	13′ 15″	14′ 0″	14′ 0″	┨
abl		SPF	#1 / #2	5′ 2″	8′ 9″	9′ 1″	10′ 4″	10′ 9″	11′ 2″	12′ 9″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	4
11.9	l . <del>.</del>	1211	#3	4′ 10″	8′ 7 <b>″</b>	8′ 11″	10′ 2″	10′ 7″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	4
0	Ų	l HF	Stud	4′ 10″	8′ 7″	8′ 11″	10′ 2″	10′ 7″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	4
	Ιo	<u> </u>	Standard	4′ 10″	7′ 5″	7′ 11″	9′ 11″	10′ 7″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	4
×	_		#1	5′ 4″	8′ 10″	9′ 2″	10′ 5″	10′ 10″	12′ 5″	12′ 11″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	4
ll d		SP	#2	5′ 2″	8′ 9″	9′ 1″	10′ 4″	10′ 9″	12′ 3″	12′ 9″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	4
Μα	N	ושכו	#3	5′ 0″	7′ 10″	8′ 4″	10′ 3″	10′ 8″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	4
—		DFL	Stud	5′ 0″	7′ 10″	8′ 4″	10′ 3″	10′ 8″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	4
l			Standard	4′ 10″	6′ 11″	7′ 4″	9′ 3″	9′ 10″	12′ 2″	12′ 8 <b>″</b>	14′ 0″	14′ 0″	14′ 0″	14′ 0″	┚



Bracing Group Species and Grades: Group A: Spruce-Pine-Fir Hem-Fir #1 / #2 Standard #2 Stud #3 Stud #3 Standard Douglas Fir-Larch Southern Pine\*\*\* #3 #3 Stud Stud Standard Standard Group B: Hem-Fir #1 & Btr D<u>ouglas Fir-L</u>arch Southern Pine\*\*\* #1 #1 #2 #2

1x4 Braces shall be SRB (Stress-Rated Board) \*\*\*For 1×4 So. Pine use only Industrial 55 or Industrial 45 Stress-Rated Boards, Group B values may be used with these grades.

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

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

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

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

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

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

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

MAX. SPACING

ASCE7-10-GAB14030 IREF DATE 10/01/14 DRWG A14030ENC101014 MAK, TOT, LD, 60 PSF 24.0"

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

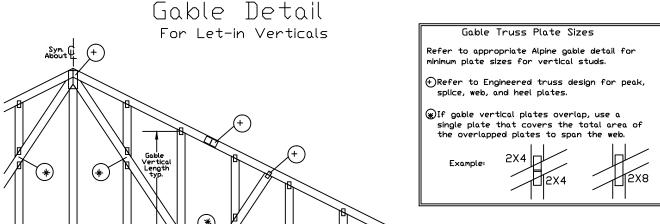
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Maryland Heights, MO 63043

AN ITW COMPANY

13723 Riverport Drive Suite 200

95/19/2020 FL REC# 278, Yoonhwak Kim, FL PE #86367



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, A1403ENC100118

A18015ENC100118, A12015ENC100118, A12015ENC100118, A12015ENC100118, A120015ENC100118, A120015ENC100118, A120015ENC100118, A120015ENC100118, A12003ENC100118, A12003ENC100118, A120030ENC100118, A120030ENC100118,

\$18015ENC100118, \$20015ENC100118, \$20015END100118, \$20015PED100118

\$11530ENC100118, \$12030ENC100118, \$14030ENC100118, \$18030ENC100118) \$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 aable vertical length is 14' from top to bottom chord.

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

### Web Length Increase w/ "T" Brace

"T" Reinf.	<b>"</b> T"
Mbr. Size	Increase
2×4	30 %
2x6	20 %

### Example:

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

"T" Reinforcing Member Size = 2x4

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

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

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

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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/19/2020 ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.org; ICC: www.lcFaff.def.# 278, Yoonhwak Kim, FL PE #86367

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

MAX. TOT. LD. 60 PSF

24.0"

DUR. FAC. ANY MAX. SPACING

13723 Riverport Drive Suite 200 Maryland Heights, MO 63043

AN ITW COMPANY

Rigid Sheathing

Ceiling

4 Nails

Nails

Spaced At

4 Nails

Reinforcing

Member

Gable

Truss

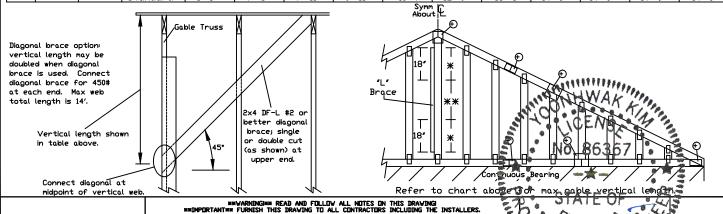
## Gable Stud Reinforcement Detail

ASCE 7-10: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00 Dr: 120 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00

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

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

	Ur: 100 mpn Wind Speed, 15' Mean Height, Partially Enclosed, Exposure D, KZt = 1.00							,							
		2x4 Vertica	Brace	No	(1) 1×4 "L	Brace *	(1) 2×4 *L	." Brace *	(2) 2×4 *L	" Brace **	(1) 2×6 *L	* Brace *	(2) 2×6 *L	'Brace *	*
	1	Species	Grade	Braces	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	
수			#1 / #2	4′ 3″	7′ 3″	7′ 7″	8′ 7″	8′ 11″	10′ 3″	10′ 8″	13′ 6″	14′ 0″	14′ 0″	14′ 0″	1
	1	SPF	#3	4′ 1″	6′ 7″	7′ 1″	8′ 6 <b>″</b>	8′ 10 <b>″</b>	10′ 1″	10′ 6″	13′ 4″	13′ 10″	14′ 0″	14′ 0″	]
D	Ų	HF	Stud	4′ 1″	6′ 7 <b>″</b>	7′ 0 <b>″</b>	8′ 6 <b>″</b>	8′ 10 <b>″</b>	10′ 1″	10′ 6″	13′ 4″	13′ 10″	14′ 0″	14′ 0″	1
ļ		1 11	Standard	4′ 1″	5′ 8 <b>″</b>	6′ 0 <b>″</b>	7′ 7″	8′ 1 <b>″</b>	10′ 1″	10′ 6 <b>″</b>	11′ 10 <b>″</b>	12′ 8″	14′ 0″	14′ 0″	]
به ا			#1	4′ 6″	7′ 4″	7′ 8″	8′ 8″	9′ 0″	10′ 4″	10′ 9″	13′ 8″	14′ 0″	14′ 0″	14′ 0″	]
$-$		SP	#2	4′ 3″	7′ 3″	7′ 7″	8′ 7 <b>″</b>	8′ 11 <b>″</b>	10′ 3″	10′ 8″	13′ 6″	14′ 0″	14′ 0″	14′ 0″	╛
	4	l	#3	4′ 2″	6′ 0 <b>″</b>	6′ 4″	7′ 11″	8′ 6″	10′ 2″	10′ 7″	12′ 5 <b>″</b>	13′ 4″	14′ 0″	14′ 0″	╛
g		IDFLI	Stud	4′ 2″	6′ 0 <b>″</b>	6′ 4 <b>″</b>	7′ 11″	8′ 6 <b>″</b>	10′ 2″	10′ 7″	12′ 5 <b>″</b>	13′ 4″	14′ 0″	14′ 0″	╛
			Standard	4′ 0″	5′ 3″	5′ 7 <b>″</b>	7′ 0 <b>″</b>	7′ 6″	9′ 6″	10′ 2″	11′ 0″	11′ 10″	14′ 0″	14′ 0″	╛
<u> </u>		SPF	#1 / #2	4′ 11″	8′ 4″	8′ 8 <b>″</b>	9′ 10 <b>″</b>	10′ 3″	11′ 8″	12′ 2″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
1	l . <del>.</del>		#3	4′ 8″	8′ 1 <b>″</b>	8′ 8″	9′ 8″	10′ 1″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	╛
<u> </u>	o U	HF	Stud	4′ 8″	8′ 1″	8′ 6″	9′ 8″	10′ 1″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
Πē	Ιď	1 11	Standard	4′ 8″	6′ 11 <b>″</b>	7′ 5 <b>″</b>	9′ 3″	9′ 11″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	╛
	_		#1	5′ 1 <b>″</b>	8′ 5 <b>″</b>	8′ 9 <b>″</b>	9′ 11 <b>″</b>	10′ 4″	11′ 10″	12′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
		SP	#2	4′ 11 <b>″</b>	8′ 4″	8′ 8″	9′ 10 <b>″</b>	10′ 3″	11′ 8″	12′ 2″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
	9		#3	4′ 9″	7′ 4″	7′ 9″	9' 9"	10' 2"	11′ 8″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
) O	<u> </u>	DFL	Stud	4′ 9″	7′ 4″	7′ 9″	9′ 9″	10′ 2″	11′ 8″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
$\square \subset$			Standard	4′ 8″	6′ 5″	6′ 10 <b>″</b>	8′ 7″	9′ 2″	11′ 7″	12′ 1″	13′ 6″	14′ 0″	14′ 0″	14′ 0″	4
abl		SPF	#1 / #2	5′ 5 <b>″</b> 5′ 1 <b>″</b>	9′ 2″	9′ 6″	10′ 10″	11′ 3″	11′ 8″	13′ 5″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	4
1.9	1		#3		9′ 0″	9′ 4″	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	4
0	ΙŪ	HF	Stud	5′ 1″	9′ 0″	9′ 4″	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	4
	lo	' ''	Standard	5′ 1″	8′ 0″	8′ 6 <b>″</b> 9′ 8 <b>″</b>	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″ 14′ 0″	4
X	_	CD	#1	5′ 8″ 5′ 5″	9′ 3″	-	10′ 11″	11′ 4″	13′ 0″	13′ 6″	14′ 0″	14′ 0″	14′ 0″		4
ll d	*	SP	#2	5′ 3″	9′ 2″ 8′ 5″	9′ 6 <b>″</b> 9′ 0 <b>″</b>	10′ 10″	11′ 3 <b>″</b> 11′ 2 <b>″</b>	12' 11 <b>"</b>	13′ 5 <b>″</b> 13′ 4 <b>″</b>	14′ 0″ 14′ 0″	14′ 0″	14′ 0″	14′ 0″ 14′ 0″	4
Μ Q	$  \alpha  $	ו חתן	#3									14′ 0″	14′ 0″		4
	<u> </u>	DFL	Stud	5′ 3″	8′ 5 <b>′</b>	9′ 0″	10′ 9″	11′ 2″	12' 10"	13′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	4
	<u> </u>		Standard	5′ 1″	7′ 5 <b>″</b>	7′ 11″	9′ 11″	10′ 7″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	┚



Bracing Group Species and Grades: Group A: Spruce-Pine-Fir Hem-Fir #1 / #2 Standard #2 Stud #3 Stud Standard #3 Douglas Fir-Larch Southern Pine\*\*\* #3 #3 Stud Stud Standard Standard Group B: Hem-Fir #1 & Btr D<u>ouglas Fir-L</u>arch Southern Pine\*\*\* #1 #1 #2 #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 55 plf over continuous bearing (5 psf TC Dead Load).

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

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

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

Gable Vertical Plat	e Sizes
Vertical Length	No Splice
Less than 4' 0"	1X4 or 2X3
Greater than 4' 0"	3X4

Refer to common truss design for peak, splice, and heel plates.

IREF

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

DATE 10/01/14

DRWG A14015ENC101014

ASCE7-10-GAB14015

AN ITW COMPANY

13723 Riverport Drive Suite 200 Maryland Heights, MO 63043 Trusses require extreme care in fabricating, handling, shipping, installing and bright. Refer to and foliow the latest edition of BCSI (Bullding 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 in the shall have a properly attached representation of responsibility of the 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 164-2 for standard plate positions.

Alpine, a division of ITV Bullding 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 to bracing of trusses.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.org; ICC: www.lccsafe.org

MAK, TOT, LD, 60 PSF MAX. SPACING 24.0"