



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

Site Information:

Customer: W. B. Howland Company, Inc.

Job Number: 20-4026

Job Description: /Heather Inventory Home /ZECHER CONSTRUCTION

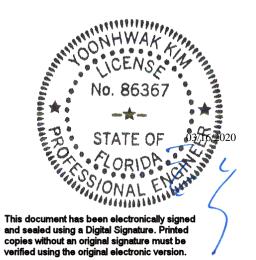
Address:

Job Engineering Criteria:				
Design Code: FBC 2017 RES	IntelliVIEW Version: 18.02.01B through 19.02.02B			
	JRef #: 1WTK2150002			
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, 46 truss drawing(s) and 7 detail(s).

Item	Drawing Number	Truss
1	076.20.1014.08633	A01
3	076.20.1014.15560	A03
5	076.20.1014.20690	A05
7	076.20.1014.24800	A07
9	076.20.1014.28820	A09
11	076.20.1014.34380	A11
13	076.20.1014.42407	A13
15	076.20.1014.47240	B02
17	076.20.1014.51897	B04
19	076.20.1015.03530	B06
21	076.20.1015.07923	B08
23	076.20.1015.10863	B10
25	076.20.1015.13857	B12
27	076.20.1015.16893	B14
29	076.20.1015.28163	C02
31	076.20.1015.39910	D01
33	076.20.1015.47077	J01
35	076.20.1015.49490	J03
37	076.20.1015.58520	J05HJ
39	076.20.1016.05040	J07
41	076.20.1016.15790	J09
43	076.20.1016.18320	PB02
45	076.20.1016.20653	V02
47	BRCLBSUB0119	
49	GBLLETIN0118	
51	PB160101014	

Item	Drawing Number	Truss
2	076.20.1014.12160	A02
4	076.20.1014.17683	A04
6	076.20.1014.22673	A06
8	076.20.1014.27047	A08
10	076.20.1014.30910	A10
12	076.20.1014.36997	A12
14	076.20.1014.45380	B01
16	076.20.1014.50190	B03
18	076.20.1014.55647	B05
20	076.20.1015.06353	B07
22	076.20.1015.09410	B09
24	076.20.1015.12267	B11
26	076.20.1015.15270	B13
28	076.20.1015.26527	C01
30	076.20.1015.35860	C03
32	076.20.1017.27160	D02
34	076.20.1015.48267	J02
36	076.20.1015.50913	J04
38	076.20.1016.03263	J06HJ
40	076.20.1016.10523	J08
42	076.20.1016.17207	PB01
44	076.20.1016.19627	V01
46	076.20.1016.22073	V03
48	A14015ENC101014	
50	CNNAILSP1014	
52	VAL160101014	





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Site Information: Page 2:

Customer: W. B. Howland Company, Inc. Job Number: 20-4026

Job Description: /Heather Inventory Home /ZECHER CONSTRUCTION

Address:

Item	Drawing Number	Truss
53	160TL	

Item	Drawing Number	Truss

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; www.alpineitw.com.
- 4. TPI: Truss Plate Institute, 2670 Crain Highway, Suite 203, Waldorf, MD 20601; www.tpinst.org.
- 5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www.sbcindustry.com.

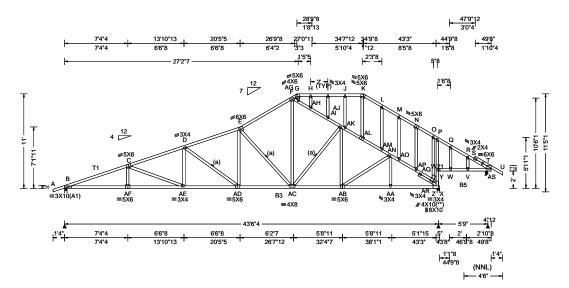
Ply: 1 Qty: 1

Job Number: 20-4026

/Heather Inventory Home /ZECHER CONSTRUCTION

Truss Label: A01

Cust: R 215 JRef: 1WTK2150002 T19 DrwNo: 076.20.1014.08633 / YK 03/16/2020



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	L
	Mean Height: 15.75 ft	
NCBCLL: 10.00	TCDL: 5.0 psf	
Soffit: 2.00	BCDL: 5.0 psf	
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	
Spacing: 24.0 "	C&C Dist a: 4.97 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

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): 0.340 AD 999 240 VERT(CL): 0.689 AD 757 180 HORZ(LL): 0.172 V HORZ(TL): 0.355 V Creep Factor: 2.0 Max TC CSI: 0.901

20 00 0.00	•
Max Web CSI: 0.82	0

Max BC CSI: 0.806

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs) Gravity

/Rh

/-

Bearings B, Z, & AS are a rigid surface.

Wind reactions based on MWFRS

Brg Width = 3.5

Brg Width = 3.5

AS Brg Width = 3.5

Loc R+

AS 575

1798 /-

В 1902

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31; Bot chord: 2x4 SP M-31; B3,B5 2x4 SP #2; Webs: 2x4 SP #3; W21 2x4 SP #2; Stack Chord: T9 2x4 SP #2 Rt Slider: 2x4 SP #2; block length = 2.429'

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.

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

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

Right cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information

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

The overall height of this truss excluding overhang is



Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 861 - 4733 432 E - F - 2273 C-D 750 - 3989 220 - 483 S-T D-E 600 - 3182

Members not listed have forces less than 375#

Non-Gravity

/RL

/300

/Rw /U

/1288 /45

Min Req = 1.6

Min Req = 1.5

Min Rea = 1.5

/1158 /-

/387

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.	
B -AF	4428 - 1045	AC-AB	2187	- 330
AF-AE	4424 - 1046	AB-AA	2394	
AF-AE	3704 - 872	AB-AA	2394	- 234
AE-AD		AA- Z	2399	- 234
AD-AC	2929 - 649	V - T	413	- 57

Maximum Web Forces Per Ply (lbs)

webs	rens.comp.	webs	rens. Co	omp.
C -AE	211 - 751	AK-AL	389 -	2313
AE- D	473 - 59	AL-AM	378 -	2320
D -AD	273 - 938	AM-AN	357 -	2351
AD- E	691 - 145	AN-AO	296 -	2591
E -AC	446 - 1583	AO-AP	274 -	2610
F-AC	1691 - 283	AP-AQ	283 -	2740
F-AG	426 - 1980	AQ-AR	284 -	2757
AC-AJ	0 - 476	AR- O	75	- 602
AG-AH	401 - 1946	AR- Z	327 -	3086
AH-AI	413 - 1981	Z - Y	505	- 160
Al-AJ	424 - 2028	Y - P	555	- 152
ΔLΔK	371 - 2215			

FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

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.

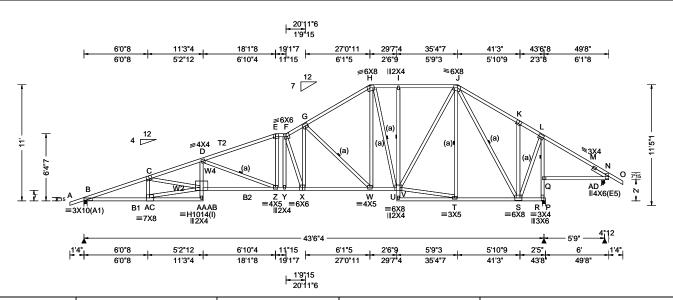
6750 Forum Drive Suite 305 Orlando FL, 32821

Job Number: 20-4026

/Heather Inventory Home /ZECHER CONSTRUCTION

Truss Label: A02

Cust: R 215 JRef: 1WTK2150002 T28 DrwNo: 076.20.1014.12160 / YK 03/16/2020



Loading Criteria (psf)	Wind Criteria	Snow Crite
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA C
TCDL: 10.00	Speed: 130 mph	Pf: NA
BCLL: 0.00	Enclosure: Closed	Lu: NA C
BCDL: 10.00	Risk Category: II	Snow Durati
Des Ld: 40.00	EXP: C Kzt: NA	
NCBCLL: 10.00	Mean Height: 15.75 ft TCDL: 5.0 psf	Code / Misc
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code:
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 20
Spacing: 24.0 "	C&C Dist a: 4.97 ft	Rep Fac: Ye
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)
	GCpi: 0.18	Plate Type(s
	Wind Duration: 1.60	WAVE, HS

riteria (Pg,Pf in PSF) **Defl/CSI Criteria** Ct: NA CAT: NA PP Deflection in loc L/defl L/# Ce: NA VERT(LL): 0.407 AA 999 240 VERT(CL): 0.830 AA 625 Cs: NA 180 uration: NA HORZ(LL): 0.134 S HORZ(TL): 0.274 S Misc Criteria Creep Factor: 2.0 de: FBC 2017 RES Max TC CSI: 0.624 2014 Max BC CSI: 0.793 : Yes Max Web CSI: 0.962 0(0)/10(0) pe(s):

▲ M	▲ Maximum Reactions (lbs)					
Gravity				Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	1855	/-	/-	/1206	/58	/367
R	2146	/-	/-	/1202	/1	/-
ΑD	323	/-	/-	/278	/69	/-
Win	d rea	ctions b	ased on	MWFRS		
В	Brg \	Nidth =	3.5	Min Red	q = 1.:	5
R	Brg \	Nidth =	3.5	Min Red	= 2.	5
ΑD	Brg \	Nidth =	3.5	Min Red	q = 1.	5
Bea	rings	B, R, &	AD are a	a rigid surf	ace.	
Mer	nbers	not list	ed have f	orces less	than	375#
Maximum Top Chord Forces Per Ply (lbs)						
Cho	rds '	Tens.C	omp.	Chords	Tens.	Comp.

Lumber

Top chord: 2x4 SP #2; T2 2x4 SP M-31; Bot chord: 2x4 SP #2; B1,B2 2x4 SP M-31; Webs: 2x4 SP #3; W2,W4 2x4 SP #2; Rt Slider: 2x4 SP #3; block length = 1.753'

(a) Continuous lateral restraint equally spaced on member

Plating Notes

All plates are 5X6 except as noted.

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

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

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

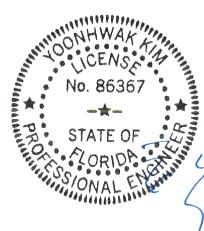
Right cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information

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

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



VIEW Ver: 18.02.01B.0321.08

AD big Width = 5.5 Will Req = 1.5					
Bearings B, R, & AD are a rigid surface.					
Members not listed have forces less than 375#					
Maximu	m Top Chord I	Forces Per	Ply (lbs	5)	
Chords	Tens.Comp.	Chords	Tens.	Ćomp.	
B-C	1079 - 4634	H-I	587	- 1712	
C-D	1442 - 5857	l - J	586	- 1710	
D-E	991 - 3937	J - K	377	- 635	
E-F	979 - 3670	K-L	297	- 600	
F-G	958 - 3655	M - N	1091	- 986	
G-H	622 - 2246				

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. (Comp.
B-AC	4342 - 1024	X - W	3146	- 656
AA-Z	5551 - 1331	W - U	1853	- 274
Z - Y	3671 - 817	T - S	1068	- 120
Y - X	3673 - 814			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. (Comp.
C -AC	255 - 893	H - W	1284	- 344
C -AA	1214 - 309	H - U	149	- 511
AC-AA	4263 - 1003	U - T	1064	- 120
AA- D	979 - 188	U - J	1269	- 260
D - Z	553 - 2023	J - S	140	- 1275
<u> F</u> - Z	781 - 124	S-L	1544	- 213
F-X	491 - 1611	L-Q	396	- 2075
X - G	1637 - 431	Q - R	390	- 2135
G-W	538 - 1819			

FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

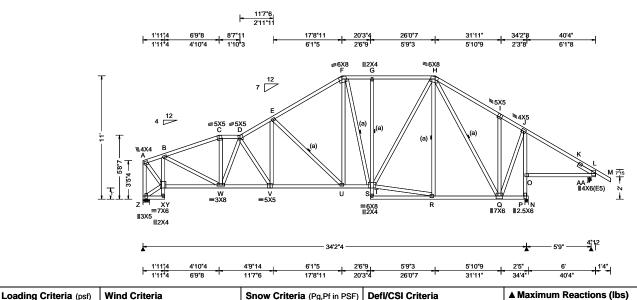
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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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.

6750 Forum Drive Suite 305 Orlando FL, 32821

SEQN: 307080 COMN Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T31 FROM: CDM /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1014.15560 Qty: 1 Truss Label: A03 / YK 03/16/2020



Loading Criteria (pst)	wind Criteria	Show Criteria (Pg,Pf in PSF)	Den/CSi Criteria	1 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): 0.089 V 999 240	[
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.183 V 999 180	12
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.048 P	ı
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.100 P	1
NCBCLL: 10.00	Mean Height: 16.75 ft	Code / Misc Criteria	Creep Factor: 2.0	١
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.493	2
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.570	Ľ
Spacing: 24.0 "	C&C Dist a: 4.03 ft	Rep Fac: Yes	Max Web CSI: 0.652	1:
-F	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		15
	GCpi: 0.18	Plate Type(s):		J
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08	1
Lumbar				ـ ـ

Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL Z 1398 /812 /293 1680 /896 AA 365 /306 Wind reactions based on MWFRS Brg Width = 7.3 Min Req = 1.6Brg Width = 3.5 Min Req = 2.0 AA Brg Width = 3.5 Min Req = 1.5Bearings Z, P, & AA are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)

Lumber

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

Rt Slider: 2x4 SP #3; block length = 1.753'

(a) Continuous lateral restraint equally spaced on member

Plating Notes

All plates are 3X4 except as noted.

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

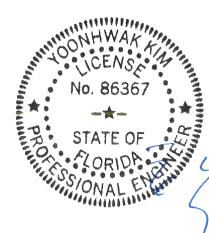
Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Right cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 11-0-0.



Chords Tens.Comp. Chords Tens. Comp. A - B - 1212 263 - 1030 344 B - C 426 - 1913 G-H 352 - 1211 C-D 432 - 1779 324 - 572 H - I D-E 467 - 2107 239 - 526 F-F 370 - 1552 K - I 1099 - 1050

Maximum Bot Chord Forces Per Ply (lbs)

Cnoras	rens.c	omp.	Choras	rens. (Jomp.
X - W	1013	- 383	U-S	1254	- 112
W - V		- 412	R - Q	824	- 12
V - U	1797	- 319			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
A - Z	345 - 1367	F-U	583 - 179	
A - X	1421 - 353	S-R	820 - 12	
X - B	286 - 943	S - H	766 - 125	
B - W	865 - 178	H-Q	39 - 875	
W - D	101 - 742	Q-J	1181 -80	
D - V	171 - 447	J - O	227 - 1611	
V - E	506 - 130	O - P	220 - 1662	
E - U	291 - 766			

FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

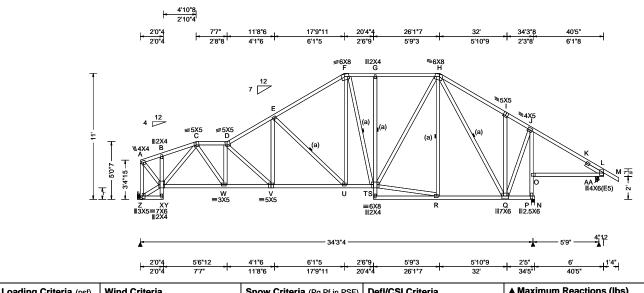
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SEQN: 307081 COMN Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T27 FROM: CDM Qty: 1 /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1014.17683 Truss Label: A04 / YK 03/16/2020



Loading Criteria (psi)	wind Criteria	Show Criteria (Pg,Pf in PSF)	Den/CSi Criteria	14
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): 0.095 V 999 240	[
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.195 V 999 180	12
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.053 O	ı
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.109 O	1
NCBCLL: 10.00	Mean Height: 16.75 ft	Code / Misc Criteria	Creep Factor: 2.0	١
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.470	2
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.591	ŀ
Spacing: 24.0 "	C&C Dist a: 4.04 ft	Rep Fac: Yes	Max Web CSI: 0.656	Ľ
-F	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: 18.02.01B.0321.08	1
Lumbar				

▲ M	laximu	ım Re	actions (II	bs)			
	G	ravity	-	No	on-Gra	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
z	1402	/-	/-	/807	/31	/294	
Р	1686	/-	/-	/900	/-	/-	
AA	364	/-	/-	/305	/52	/-	
Wir	nd read	tions b	ased on N	IWFRS			
Z	Brg V	Vidth =	-	Min Re	q = -		
Р	Brg V	Vidth =	3.5	Min Re	q = 2.0	0	
AΑ	Brg V	Vidth =	3.5	Min Re	q = 1.5	5	
Bea	arings I	P & AA	are a rigi	d surface) .		
Mei	mbers	not list	ed have fo	orces less	s than	375#	
Max	ximum	Top (Chord For	rces Per	Ply (lk	os)	
			omp. (

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

Rt Slider: 2x4 SP #3; block length = 1.753'

(a) Continuous lateral restraint equally spaced on member

Plating Notes

All plates are 3X4 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

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

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

Left end vertical not exposed to wind pressure.

Right cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 11-0-0.



A - B	267 - 1034	F-G	340	- 1217
B - C	314 - 1061	G - H	352	- 1216
C - D	484 - 2167	H - I	323	- 572
D-E	454 - 2159	I - J	237	- 526
E-F	365 - 1560	K-L	1099	- 1049

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	Comp.	Chords	Tens. (Comp.	
(- W	1601	- 389	U-S	1260	- 111	
N - V	2232	- 479	R-Q	826	- 12	
/ - II	1812	- 320				

Maximum Web Forces Per Ply (lbs)

AA GD2	rens.comp.	AA CD2	Tella. C	onip.
A - Z	354 - 1372	F-U	591	- 181
A - X	1399 - 348	S - R	823	- 12
X - C	213 - 961	S-H	771	- 124
C - W	1047 - 163	H - Q	38	- 880
W - D	160 - 835	Q - J	1185	- 80
D - V	215 - 561	J - O	228	- 1617
V - E	515 - 135	O - P	220	- 1668
E - U	294 - 778			

FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

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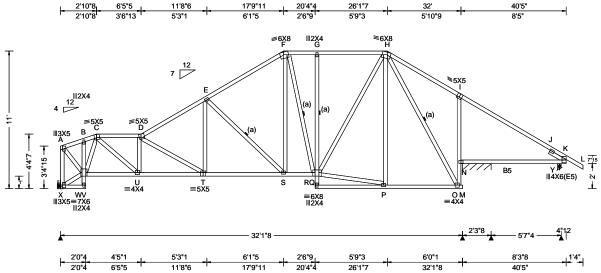
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SEQN: 307082 COMN Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T17 FROM: CDM /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1014.20690 Qty: 1 Truss Label: A05 / YK 03/16/2020

26'1"7



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): 0.096 T 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.198 T 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.054 M
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.113 M
NCBCLL: 10.00	Mean Height: 16.75 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: 0.909
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.653
Spacing: 24.0 "	C&C Dist a: 4.04 ft	Rep Fac: Yes	Max Web CSI: 0.880
	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: 18.02.01B.0321.08
Lumber			

11'8"6

▲ M	laximu	ım Rea	ctions (lbs), or *=	:PLF	
	G	ravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
х	1315	/-	/-	/748	/33	/295
N*	727	/-	/-	/404	/-	/-
Υ	470	/-	/-	/356	/59	/-
N		/-138				
Win	d read	tions b	ased on	MWFRS		
Х	Brg V	Vidth =	-	Min Re	q = -	
N Brg Width = 27.5 Min Req = -						
Y Brg Width = 3.5 Min Req = 1.5						
Bea	ırings l	N & Y a	re a rigio	d surface.		
Mer	nbers	not liste	ed have t	forces les	s than	375#
Max	cimum	Top C	hord Fo	rces Per	Ply (lk	os)
Cho	ords T	ens.Co	omp.	Chords	Tens.	Comp.

40'5'

Cilolus	rens.comp.	Cilolus	rens. Comp.
A - B B - C C - D D - E	251 - 962 273 - 959 488 - 2152 422 - 1996	E-F F-G G-H J-K	349 - 1373 326 - 1028 328 - 1027 2035 - 2084
	000	•	

Chords

S-Q

P - 0

Tens. Comp.

- 110

- 14

1096

608

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp.

2235 - 510

1176 - 323

1650 - 290

member

Top chord: 2x4 SP #2;

Webs: 2x4 SP #3;

(a) Continuous lateral restraint equally spaced on

Plating Notes

All plates are 3X4 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

Bot chord: 2x4 SP #2; B5 2x4 SP M-31;

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

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

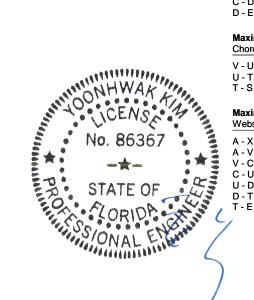
Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Right cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 11-0-0.



Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. 337 - 1285 E-S 285 - 780 A - V 1295 - 321 F-S 596 - 176 V - C Q-P 208 - 811 604 - 14 C-U 1342 Q-H 836 - 128 - 265 U-D 203 - 877 H - O 36 - 1182 D - T T - E 254 -668 O - N 1107 -23 510 - 116 N - I 236 - 484

FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

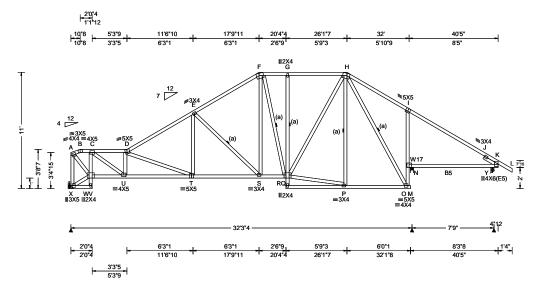
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SEQN: 307083 COMN Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T30 FROM: CDM Qty: 1 /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1014.22673 Truss Label: A06 / YK 03/16/2020



Willia Ciliteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 16.75 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.04 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Loading Criteria (nef) Wind Criteria

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): 0.122 T 999	240
VERT(CL): 0.248 T 999	180
HORZ(LL): 0.076 M -	-
HORZ(TL): 0.161 M -	-
Creep Factor: 2.0	
Max TC CSI: 0.837	
Max BC CSI: 0.772	
Max Web CSI: 0.854	

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs)							
	G	ravity		No	on-Gra	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
х	1329	/-	/-	/743	/32	/295	
Ν	1670	/-	/-	/922	/-	/-	
Υ	452	/-	/-	/360	/60	/-	
Wii	nd read	tions b	ased on I	MWFRS			
Х	X Brg Width = - Min Reg = -						
N	N Brg Width = 3.5 Min Reg = 1.5						
Υ	Y Brg Width = 3.5 Min Reg = 1.5						
Bearings N & Y are a rigid surface.							
Me	Members not listed have forces less than 375#						
Ma	ximum	Top (Chord Fo	rces Per	Ply (lb	os)	

Chords	Tens.Comp.	Chords	Tens.	Ćomp.
A - B	255 - 1075	E-F	346	- 1401
B - C	255 - 1055	F-G	325	- 1054
C - D	501 - 2383	G-H	325	- 1053
D-F	405 - 2056	.l - K	2466	- 2605

Lumber

Top chord: 2x4 SP #2;

(a) Continuous lateral restraint equally spaced on member

Bot chord: 2x4 SP #2; B5 2x4 SP M-31; Webs: 2x4 SP #3; W17 2x4 SP #2; Rt Slider: 2x4 SP #3; block length = 1.500'

Plating Notes

All plates are 6X8 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

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

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

Left end vertical not exposed to wind pressure.

Right cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 11-0-0.



Maximum Bot Chord Forces Per Ply (lbs)						
Chords	Tens.C	omp.	Chords	Tens.	Comp.	
V - U U - T	1116 2505	- 363 - 553	S - Q P - O	1117 638	- 109 - 11	

v - U	1110	- 300	0 - Q	1117	
U - T	2505	- 553	P-0	638	
T - S	1684	- 277			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
A - X	313 - 1288	E-S	274	- 799
A - V	1490 - 342	F-S	602	- 170
V - C	259 - 959	Q-P	634	- 11
C - U	1633 - 340	Q-H	829	- 120
U - D	238 - 1014	H - O	41	- 1146
D - T	294 - 865	O - N	1078	- 27
T - E	513 -88	N - I	232	- 465

FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

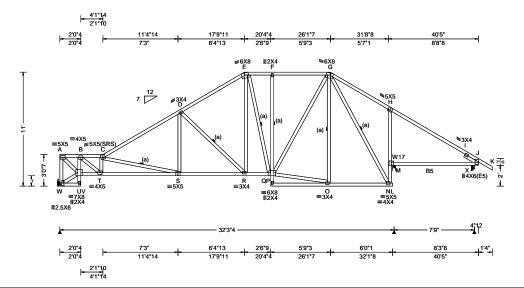
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Loading Criteria (psi)	Willia Ciliteria	3110
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: N
TCDL: 10.00	Speed: 130 mph	Pf: N
BCLL: 0.00	Enclosure: Closed	Lu: N
BCDL: 10.00	Risk Category: II	Snov
Des Ld: 40.00	EXP: C Kzt: NA	
	Mean Height: 15.00 ft	Code
NCBCLL: 0.00	TCDL: 5.0 psf	
Soffit: 2.00	BCDL: 5.0 psf	Bldg
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI S
Spacing: 24.0 "	C&C Dist a: 4.04 ft	Rep
	Loc. from endwall: not in 13.00 ft	FT/R
	GCpi: 0.18	Plate

Wind Duration: 1.60

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

le / Misc Criteria Code: FBC 2017 RES Std: 2014 Fac: Yes RT:20(0)/10(0) e Type(s): WAVE

Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.131 S 999 240 VERT(CL): 0.270 S 999 180 HORZ(LL): 0.085 L HORZ(TL): 0.176 L Creep Factor: 2.0

Max BC CSI: 0.841 Max Web CSI: 0.824 VIEW Ver: 18.02.01B.0321.08

Max TC CSI: 0.813

Wind reactions based of	n MWFRS
W Brg Width = -	Min Req = -
M Brg Width = 3.5	Min Req = 1.5
X Brg Width = 3.5	Min Req = 1.5
Bearings M & X are a ri	gid surface.
Members not listed hav	e forces less than 375#
Maximum Ton Chord	

Loc R+

1666 /-

W 1337 /-

М

C-D

D-F

Х 448

▲ Maximum Reactions (lbs) Gravity

/Rh

/-

rces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 445 - 1052 A - B 375 - 1524 E - F B - C 693 - 2698 F-G 444 - 1051

1 - J

Non-Gravity

/243

/225 /-

/125

/RL

/245

/-

2523 - 2641

/Rw /U

/751

/896

/359

Lumber

Top chord: 2x4 SP #2;

(a) Continuous lateral restraint equally spaced on member

Bot chord: 2x4 SP #2; B5 2x4 SP M-31; Webs: 2x4 SP #3; W17 2x4 SP #2; Rt Slider: 2x4 SP #3; block length = 1.500'

Hangers / Ties

(J) Hanger Support Required, by others

Loading Criteria (net) | Wind Criteria

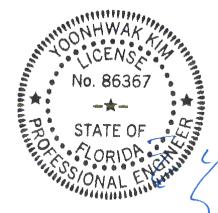
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Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure. Right cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 11-0-0.



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.	
U - T	1619	- 367	R - P	1111	- 153
T - S	2882	- 717	O - N	630	-66
S-R	1696	- 343			

Maximum Web Forces Per Ply (lbs)

547 - 2089

477 - 1401

webs	Tens.Comp.	webs	i ens.	Comp.
A - W	336 - 1293	D-R	267	- 823
A - U	1947 - 479	E-R	612	- 161
U - B	282 - 1053	P - O	626	-65
B-T	1498 - 406	P-G	830	- 164
T-C	353 - 1113	G-N	105	- 1106
C - S	382 - 1203	N - M	1043	- 85
S - D	439 - 68	M - H	228	- 460

FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

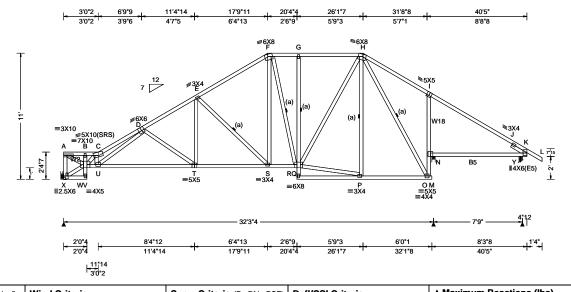
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Loading Criteria (psf)	Wind Criteria	Sno
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: f
TCDL: 10.00	Speed: 130 mph	Pf: N
BCLL: 0.00	Enclosure: Closed	Lu: N
BCDL: 10.00	Risk Category: II	Snov
Des Ld: 40.00	EXP: C Kzt: NA	
NCBCLL: 0.00	Mean Height: 15.00 ft	Cod
Soffit: 2.00	TCDL: 5.0 psf	Bldg
Load Duration: 1.25	BCDL: 5.0 psf	TPLS
	MWFRS Parallel Dist: h/2 to h	Rep
Spacing: 24.0 "	C&C Dist a: 4.04 ft	FT/R
	Loc. from endwall: not in 13.00 ft	Plate
	GCni: 0 18	rialt

Wind Duration: 1.60

ow Criteria (Pg,Pf in PSF) Defl/CSI Criteria Ct: NA CAT: NA NA NΑ Ce: NA NA Cs: NA w Duration: NA

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

PP Deflection in loc l	_/defl	L/#
VERT(LL): 0.149 T	999	240
VERT(CL): 0.308 T	999	180
HORZ(LL): 0.096 M	-	-
HORZ(TL): 0.198 M	-	-
Creep Factor: 2.0		
Max TC CSI: 0.817		
Max BC CSI: 0.764		
Max Web CSI: 0.828		
VIEW Ver: 18.02.01B.	0321.	.08

▲ Maximum Reactions (lbs)

A Waxiiiuiii Reactions (ibs)									
Gravity				Non-Gravity					
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL			
Х	1336	/-	/-	/767	/239	/258			
N	1674	/-	/-	/905	/228	/-			
Υ	442	/-	/-	/357	/124	/-			
Wir	nd read	tions b	ased on	MWFRS					
Х	Brg V	Vidth =	-	Min Re	q = -				
N	Brg V	Vidth =	3.5	Min Re	q = 1.5	i			
Υ	Brg V	Vidth =	3.5	Min Re	q = 1.5	;			
Bea	arings I	N & Y a	are a rigio	d surface.					
Mei	Members not listed have forces less than 375#								
Max	Maximum Top Chord Forces Per Ply (lbs)								
Cho	Chords Tens.Comp. Chords Tens. Comp.								

A - B	607 - 2435	E-F	469	- 1388
B - C	631 - 2531	F-G	444	- 1048
C - D	989 - 3941	G-H	444	- 1047
D-E	554 - 2032	J - K	2527	- 2635

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; B5 2x4 SP M-31; Webs: 2x4 SP #3; W2,W18 2x4 SP #2; Rt Slider: 2x4 SP #3; block length = 1.500'

member

Lumber

(a) Continuous lateral restraint equally spaced on

Plating Notes

All plates are 2X4 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

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

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

Left end vertical not exposed to wind pressure.

Right cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 11-0-0.



Maxin	num	Bot Chord	Forces	Per	Plv	(lbs)
<u> </u>	_					· · · · /

Chords	Tens.Comp.		Chords	Tens. Comp.			
V - U U - T		- 812 - 516	S-Q P-O	1112 626	- 153 - 65		
U - 1 T - S		-327	P-0	020	-65		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. (Comp.
A - X	329 - 1268	E-S	245	- 796
A - V	2701 - 674	F-S	586	- 146
V - C	231 - 1079	Q-P	623	-64
C - U	415 - 1414	Q - H	830	- 162
U - D	1554 - 374	H-O	105	- 1112
D - T	225 - 617	O - N	1048	- 85
T - E	523 - 106	N - I	228	- 461

FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

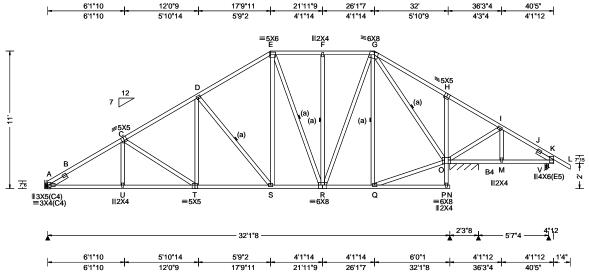
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SEQN: 307086 COMN Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T23 FROM: CDM /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1014.28820 Qty: 1 Truss Label: A09 / YK 03/16/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.11 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 4.04 ft Loc. from endwall: not in 13.00 ft	\ U . ,	PefI/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.071 T 999 240 VERT(CL): 0.147 T 999 180 HORZ(LL): 0.027 M HORZ(TL): 0.056 M Creep Factor: 2.0 Max TC CSI: 0.460 Max BC CSI: 0.556 Max Web CSI: 0.676
	GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): WAVE	VIEW Ver: 18.02.01B.0321.08
Lumber			

•		30.	3 4	405						
	▲ Maximum Reactions (lbs), or *=PLF									
¥		G	ravity	-	No	on-Grav	/ity			
.0	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL			
0	Α	1312	/-	/-	/812	/206	/350	_		
-	0*	786	/-	/-	/423	/136	/-			
-	٧	364	/-	/-	/273	/46	/-			
	0		/-118	}						
	Win	d read	tions b	pased on	MWFRS					
	Α	Brg W	/idth =	: -	Min Req = -					
	0	Brg V	/idth =	: 27.5	Min Reg = -					
	٧	Brg V	/idth =	: 3.5	Min Re	q = 1.5	i			
	Bea	rings (V & C	are a rigi	d surface.					
	Mer	nbers	not list	ted have	forces less	s than 3	375#			
	Max	cimum	Top	Chord Fo	orces Per	Ply (lb	s)			
	Cho	ords T	ens.C	omp.	Chords	Tens.	Comp.	_		

A - B 377 - 2123 E-F 319 -812 B - C 338 - 2029 F-G 319 -812 C-D 323 - 1665 .I - K 367 - 537 D-E 298 - 1203

Chords

S-R

R-Q

Tens. Comp.

- 129

- 46

953

555

Bracing

Top chord: 2x4 SP #2;

Webs: 2x4 SP #3;

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

Bot chord: 2x4 SP #2; B4 2x4 SP M-31:

Slider: 2x4 SP #3; block length = 1.684'

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

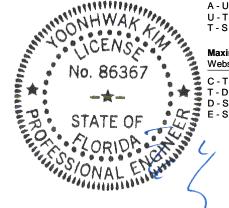
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

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

Right cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 11-0-0.



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

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp.

1691 - 300

1349 - 187

1688 - 300

C - T 169 - 398 E-R 149 - 401 T - D 406 -73 R-G 719 - 112 D-S 215 - 634 G - O 176 - 1210 E-S 602 - 150 Q - O 578 - 51

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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

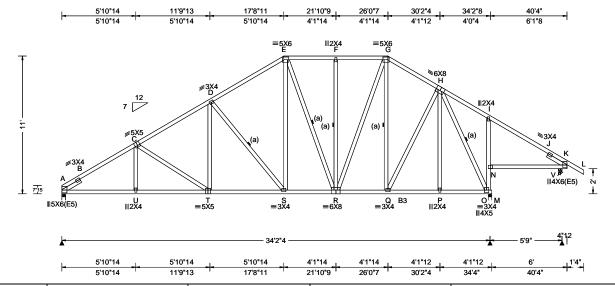
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SEQN: 307087 COMN Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T21 FROM: CDM /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1014.30910 Qty: 1 Truss Label: A10 / YK 03/16/2020



TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA	Ct: NA	CAT: NA	PP Deflection in lo	c L/defl	L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA		Ce: NA	VERT(LL): 0.093 T	999	240
BCLL: 0.00	Enclosure: Closed	Lu: NA	Cs: NA		VERT(CL): 0.191 T	Г 999	180
BCDL: 10.00	Risk Category: II	Snow Du	ration: NA	4	HORZ(LL): 0.055 N	٠ ١	-
Des Ld: 40.00	EXP: C Kzt: NA				HORZ(TL): 0.117 N	٠ ١	-
NCBCLL: 10.00	Mean Height: 16.14 ft	Code / N	lisc Crite	ria	Creep Factor: 2.0		
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	Bldg Cod	de: FBC 2	017 RES	Max TC CSI: 0.52	22	
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std:	2014		Max BC CSI: 0.63	32	
Spacing: 24.0 "	C&C Dist a: 4.03 ft	Rep Fac	: Yes		Max Web CSI: 0.65	j 4	
	Loc. from endwall: not in 13.00 ft	FT/RT:20	0(0)/10(0)				
	GCpi: 0.18	Plate Ty	pe(s):				
	Wind Duration: 1.60	WAVE '	` '		VIEW Ver: 18.02.01	B.0321	.08
Lumber		I			L		

	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (lbs)						
	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#		G	avity	-	No	n-Grav	ity
	Pf: NA Ce: NA	VERT(LL): 0.093 T 999 240	Loc	R+	/ R-	/ Rh	/ Rw	/U	/ RL
	Lu: NA Cs: NA	VERT(CL): 0.191 T 999 180	A	1436	/-	/-	/874	/238	/349
	Snow Duration: NA	HORZ(LL): 0.055 N	Ô	1589		, /-	/850	/214	/-
		HORZ(TL): 0.117 N	٧	430	/-	/-	/342	/111	/-
	Code / Misc Criteria	Creep Factor: 2.0	Wind reactions based on MWFRS						
	Bldg Code: FBC 2017 RES	Max TC CSI: 0.522	Α		Vidth = 3		Min Re		
	TPI Std: 2014	Max BC CSI: 0.632	0		Vidth = 3		Min Re		
	Rep Fac: Yes	Max Web CSI: 0.654	V Brg Width = 3.5 Min Req = 1.5						
	FT/RT:20(0)/10(0)		Bearings A, O, & V are a rigid surface.						
١	Plate Type(s):				not listed				
	WAVE	V/IEW/ Vers 48 02 04B 0224 08			n Top Ch				
	WAVE	VIEW Ver: 18.02.01B.0321.08	Cho	ords 1	Tens.Con	np. C	Chords	Tens.	Comp.
			Α-	В	440 - 23	338 E	- F	388	- 1084

B - C

C-D

D-F

Bot chord: 2x4 SP #2; B3 2x4 SP M-31; Webs: 2x4 SP #3;

Slider: 2x4 SP #3; block length = 1.684'

Top chord: 2x4 SP #2;

Loading Criteria (psf)

Rt Slider: 2x4 SP #3; block length = 1.753'

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind Criteria

Purlins

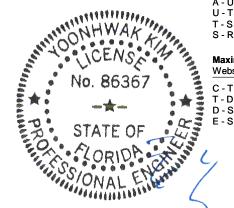
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

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

Right cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 11-0-0.



Maximu	ım Bot	Chord I	Forces Per	Ply (lbs)
			Chords		
A - II	1917	- 351	R - O	868	- 35

F-G

G-H

.I - K

404 - 2290

387 - 1921

363 - 1458

317 - 1073

1058 - 1103

388 - 1084

1914 - 351 U-T Q - P 680 - 49 T - S 1568 - 209 P - 0 678 - 49 S - R 1174

Maximum web Forces Per Ply (lbs)					
Webs	Tens.C	comp.	Webs	Tens.	Comp.
C-T	170	- 405	R-G	596	- 108
T - D	407	- 74	Q-H	417	-63
D-S	214	- 630	H - O	121	- 1517
E-S	599	- 150			

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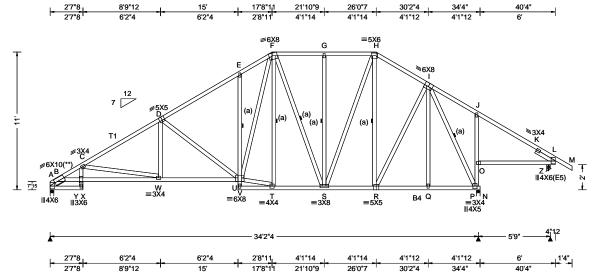
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SEQN: 307088 COMN Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T24 FROM: CDM /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1014.34380 Qty: 1 Truss Label: A11 / YK 03/16/2020



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): 0.139 E 999 240	Lo
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.285 E 999 180	A
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.099 O	Р
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.209 O	Z
NCBCLL: 10.00	Mean Height: 16.14 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0	W
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.516	A P
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.934	Z
Spacing: 24.0 "	C&C Dist a: 4.03 ft	Rep Fac: Yes	Max Web CSI: 0.814	Be
	Loc. from endwall: not in 6.50 ft	FT/RT:20(0)/10(0)		М
	GCpi: 0.18	Plate Type(s):		Ma
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08	Ch
1				

▲ M	▲ Maximum Reactions (lbs)					
	G	ravity		No	on-Grav	/ity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Α	1433	/-	/-	/872	/237	/349
Р	1606	/-	/-	/863	/217	/-
Z	415	/-	/-	/338	/108	/-
Wind reactions based on MWFRS						
Α	Brg V	Vidth =	3.5	Min Re	q = 1.7	•
	Brg V	Vidth =	3.5	Min Re	q = 1.5	;
Z	Brg V	Vidth =	3.5	Min Re	q = 1.5	i
Bea	rings /	A, P, &	Z are a r	igid surfa	ce.	
Mer	nbers	not list	ed have f	orces less	than 3	375#
Max	cimum	Top (hord Fo	rces Per	Ply (lb	s)
Cho	rds T	ens.Co	omp.	Chords	Tens.	Ćomp.

Lumber

TCLL:

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

Slider: 2x4 SP #3; block length = 1.196'

Loading Criteria (psf)

20.00

Rt Slider: 2x4 SP #3; block length = 1.753'

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind Criteria

Wind Std: ASCE 7-10

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.

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

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

Right cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 11-0-0.



768 - 1697 - 1081 A - B 387 B - C 589 - 3299 G-H 387 - 1081 C-D 434 - 2435 - 1067 H - I 316 D-F 385 - 1811 1057 - 1077 F - F 466 - 1755

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. C	omp.
B - Y	2855	- 603	S-R	862	- 34
Y - W	2947	- 630	R-Q	672	- 47
W - U	2013	- 319	Q-P	669	- 47
T-S	1163	- 94			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens.	Comp.
C-W	316	- 939	S-H	602	- 109
W - D	403	- 34	R - I	423	- 64
D - U	217	- 676	I-P	123	- 1530
U - F	1198	- 290	P - O	146	- 377
U - T	1186	- 91			

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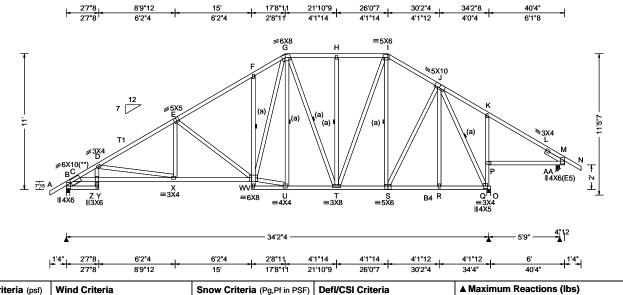
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SEQN: 307089 COMN Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T36 FROM: CDM /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1014.36997 Qty: 1 Truss Label: A12 / YK 03/16/2020



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): 0.157 F 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.299 F 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.111 P
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.212 P
NCBCLL: 10.00	Mean Height: 15.75 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: 0.486
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.930
Spacing: 24.0 "	C&C Dist a: 4.03 ft	Rep Fac: Yes	Max Web CSI: 0.808
-1	Loc. from endwall: not in 6.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08
		A 1 Pet 1 N1	

Bearings B, Q, & AA are a rigid surface.					
Members not listed have forces less than 375#					
Maximum Top Chord Forces Per Ply (lbs)					
Chords	Tens.Comp.	Chords	Tens. Comp.		
B-C	635 - 1655	G-H	383 - 1183		
C - D	559 - 3375	H - I	383 - 1183		
D-E	425 - 2532	I - J	313 - 1205		
E-F	380 - 1913	L - M	1054 - 1089		

/Rh

/-

Wind reactions based on MWFRS Brg Width = 3.5

Non-Gravity

/258

/213

/107

Min Req = 1.9

Min Req = 1.5

Min Rea = 1.5

/RL

/-

/Rw /U

/950

/862

/338

Gravity

Brg Width = 3.5

AA Brg Width = 3.5

Loc R+

AA 425

F-G

1809

В 1577

a

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31; Bot chord: 2x4 SP #2; B4 2x4 SP M-31; Webs: 2x4 SP #3; Slider: 2x4 SP #3; block length = 1.196'

Rt Slider: 2x4 SP #3; block length = 1.753'

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

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

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

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

Wind

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

Right cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 11-0-0

Maximum Bot Chord Forces Per Ply (lbs)

460 - 1857

Chords	Tens.Comp.		Chords	Tens. C	comp.
C-Z	2918	- 531	T - S	984	- 32
Z - X	3007	- 551	S - R	786	- 46
X - V	2097	- 299	R - Q	782	- 46
U - T	1245	- 92			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs `	Ťens.	Comp.
D-X	256	- 915	T - I	600	- 107
X - E	400	- 22	S-J	435	-63
E-V	204	- 671	R - J	474	- 17
V - G	1222	- 279	J - Q	120	- 1779
V - U	1270	- 90	Q-P	144	- 377

FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

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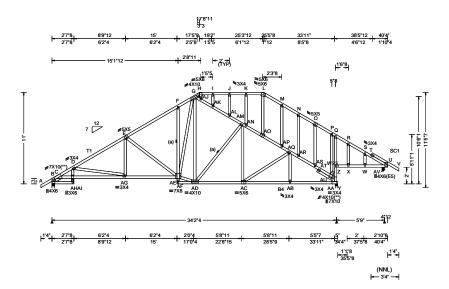
Ply: 1 Qty: 1

Job Number: 20-4026

/Heather Inventory Home /ZECHER CONSTRUCTION

Truss Label: A13

Cust: R 215 JRef: 1WTK2150002 T43 DrwNo: 076.20.1014.42407 / YK 03/16/2020



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
	Mean Height: 15.75 ft
NCBCLL: 10.00	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: 4.03 ft
	Loc. from endwall: not in 6.50 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
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE
Additional Notes

Defl/CSI Criteria

PP Deflection in loc L/defl L/# VERT(LL): 0.212 L 999 240 VERT(CL): 0.405 L 999 180 HORZ(LL): 0.208 W HORZ(TL): 0.398 W Creep Factor: 2.0 Max TC CSI: 0.759 Max BC CSI: 0.937 Max Web CSI: 0.960 VIEW Ver: 18.02

2.01B.0321.08	

Loc R+ /R /Rh /Rw /U /RL В 1601 /-/924 /113 AA 1628 /-/876 /-AV 581 /390 /30 Wind reactions based on MWFRS Brg Width = 3.5 Min Req = 1.9AA Brg Width = 3.5 Min Req = 1.5 AV Brg Width = 3.5 Min Rea = 1.5Bearings B, AA, & AV are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Non-Gravity

▲ Maximum Reactions (lbs) Gravity

0	. оо.ор.	00.00		O Up.
			_	
B - C	261 - 1357	E-F	0	- 1967
C - D	0 - 3434	F-G	0	- 1915
D-E	0 - 2585	T - U	187	- 504

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31; Bot chord: 2x4 SP #2; B4 2x4 SP M-31; Webs: 2x4 SP #3; W23 2x4 SP #2; Stack Chord: SC1 2x4 SP #2;

Lt Slider: 2x4 SP #3; block length = 1.196' Rt Slider: 2x4 SP #3; block length = 2.429'

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

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

Loading

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

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

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

Right cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information

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

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



Maximum Bot Chord Forces Per Ply (lbs)						
Chords	Tens.Co	mp.	Chords	Tens.	Comp	
C-AI	2969	0	AC-AB	2130		

C n 3060 AB-AA 2139 0 AG-AF 2143 0 W-U 562 0 AD-AC 1741 0

Maximum	Web	Forces	Per	Plv	(lbs)

Webs	Tens.Comp).	Webs	Ťens.	Comp.
D -AG	0 -92	2	AC-AQ	0	- 455
AG- E	399	0	AN-AO	0	- 1791
E -AE	0 -67	o	AO-AP	0	- 1794
AE- G	1346	0	AP-AQ	0	- 1828
AE-AD	1410	0	AQ-AB	467	0
G -AJ	0 - 126	2	AQ-AR	0	- 2268
AD-AM	0 -64	3	AR-AS	0	- 2292
AJ-AK	0 - 130	3	AS-AT	0	- 2406
AK-AL	0 - 133	5	AT-AU	0	- 2421
AL-AM	0 - 138	3	AU- P	0	- 520
AM-AC	397	0	AU-AA	0	- 2703
AM-AN	0 - 168	8	Z - Q	389	0

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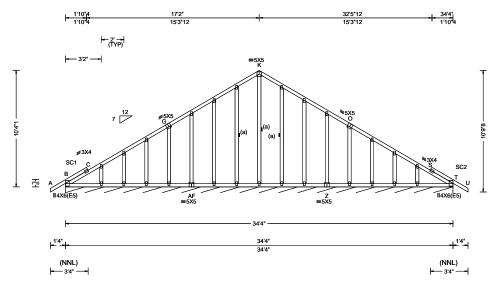
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org



SEQN: 307091 GABL Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T16 FROM: CDM /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1014.45380 Qty: 1 Truss Label: B01 / YK 03/16/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00	Wind Std: ASCE 7-10	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): 0.003 S 999 240	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.006 S 999 180	T* 88 /- /- /46 /15 /9
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.004 M	Wind reactions based on MWFRS
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.006 M	T Brg Width = 412 Min Req = -
NCBCLL: 10.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	Bearing B is a rigid surface.
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.141	Members not listed have forces less than 375#
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.080	
Spacing: 24.0 "	C&C Dist a: 3.43 ft	Rep Fac: Yes	Max Web CSI: 0.143	
	Loc. from endwall: Any	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08	

Lumber

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

Stack Chord: SC2 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

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

End verticals not exposed to wind pressure.

Additional Notes

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

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

The overall height of this truss excluding overhang is 10-4-1.



FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

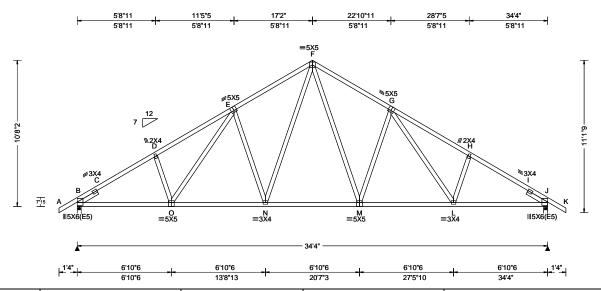
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SEQN: 307092 COMN Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T14 FROM: CDM /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1014.47240 Qty: 1 Truss Label: B02 / YK 03/16/2020



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): 0.096 N 999 240)
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.196 N 999 180)
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.041 L	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.084 L	
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: 0.367	
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.730	
Spacing: 24.0 "	C&C Dist a: 3.43 ft	Rep Fac: Yes	Max Web CSI: 0.585	
' "	Loc. from endwall: Any	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08	
	•	•		_

Lumber

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

Lt Slider: 2x4 SP #3; block length = 1.672' Rt Slider: 2x4 SP #3; block length = 1.672'

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 10-8-2



▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 1518 /-/905 /259 /305 1518 /-/905 /259 /-Wind reactions based on MWFRS Brg Width = 3.5В Min Req = 1.8Brg Width = 3.5 Min Req = 1.8Bearings B & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 650 - 2307 641 - 1711 C-D 637 - 2260 G-H 710 - 2179

Maximum Bot Chord Forces Per Ply (lbs)

711 - 2178

641 - 1712

D-E

Choras	rens.comp.		Choras	rens. Comp.		
B - O	1891	- 437	M - L	1566	- 288	
O - N	1566	- 287	L - J	1892	- 444	
N - M	1188	- 119				

H - I

636 - 2261

650 - 2308

Maximum Web Forces Per Ply (lbs)

webs	rens.comp.	vvebs	rens. (Jomp.
0 - E	437 - 178	F-M	667	- 254
E - N	278 - 524	M - G	278	- 525
N - F	668 - 254	G-L	439	- 177

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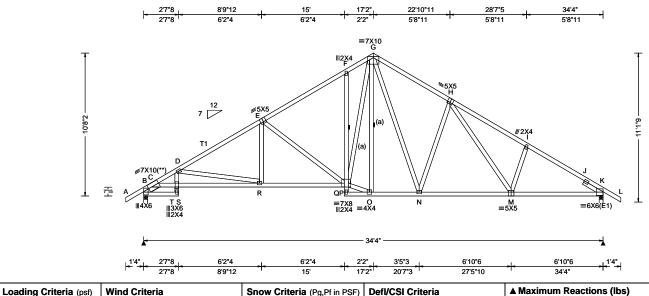
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SEQN: 307093 COMN Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T20 FROM: CDM /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1014.50190 Qty: 2 Truss Label: B03 / YK 03/16/2020



Loading Criteria (psi)	Willia Criteria	Show Criteria (Pg,Prin PSF)	Deli/Col Cillella	-
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): 0.162 F 999 240	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.312 F 999 180	В
BCDL: 10.00	Risk Category: II EXP: C Kzt: NA	Snow Duration: NA	HORZ(LL): 0.112 M	K
Des Ld: 40.00			HORZ(TL): 0.216 M	١V
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0	B
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.492	K
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.928	ľ
Spacing: 24.0 "	C&C Dist a: 3.43 ft	Rep Fac: Yes	Max Web CSI: 0.809	ľ
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		ľ
	GCpi: 0.18	Plate Type(s):		ļ -
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08	B
I	•			C

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

Webs: 2x4 SP #3;

Slider: 2x4 SP #3; block length = 1.196' Rt Slider: 2x4 SP #3; block length = 1.630'

Bracing

(a) Continuous lateral restraint equally spaced on member.

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.

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

Additional Notes

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

Snow Criteria (Pa Pf in PSE) | Defl/CSI Criteria

Gravity Non-Gravity Loc R+ /Rh /Rw /U 1594 /-/904

/258 /305 1642 /-/-/905 /258 /-Wind reactions based on MWFRS Brg Width = 3.5Min Req = 1.9

/RL

Brg Width = 3.5 Min Req = 1.9 Bearings B & K are a rigid surface.

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

B - C	572 - 1599	G-H	490	- 1912
C - D	610 - 3415	H - I	523	- 2415
D-E	487 - 2569	I - J	461	- 2501
E-F	439 - 1950	J - K	458	- 2547
F-G	507 - 1865			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. (Comp.
C-T	2952	- 471	O - N	1319	-63
T - R	3042	- 485	N - M	1747	- 193
R - P	2129	- 270	M - K	2094	- 302

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	comp.	Webs	Tens. (Comp.
D-R	220	- 918	0 - G	24	- 470
R-E	398	- 15	G - N	792	- 191
E-P	196	- 673	N - H	216	- 558
P - O	1397	- 59	H - M	485	- 122
P-G	1342	- 262			



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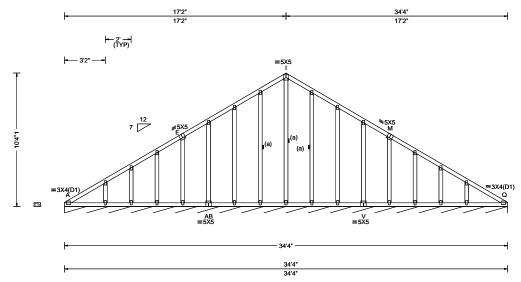
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SEQN: 307094 GABL Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T5 FROM: CDM /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1014.51897 Qty: 1 Truss Label: B04 / YK 03/16/2020



Loading Criteria (psf) Wind Criteria TCLL: 20.00 Wind Std: ASCE 7-10 TCDL: 10.00 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): 0.002 I 999 240	▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R- /Rh /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: 3.43 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(LL): 0.004 K HORZ(TL): 0.006 K Creep Factor: 2.0	Q* 83 /- /- /44 /14 /8 Wind reactions based on MWFRS Q Brg Width = 412 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

(a) Continuous lateral restraint equally spaced on

Plating Notes

All plates are 2X4 except as noted.

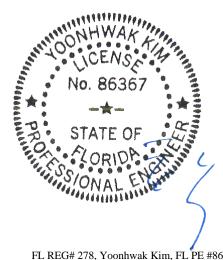
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Additional Notes

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

The overall height of this truss excluding overhang is 10-4-1



FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

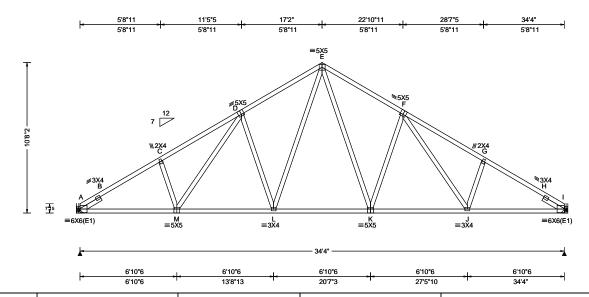
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SEQN: 307095 COMN Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T42 Qty: 2 /Heather Inventory Home /ZECHER CONSTRUCTION FROM: CDM DrwNo: 076.20.1014.55647 Page 1 of 2 Truss Label: B05 / YK 03/16/2020



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): 0.128 K 999 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.235 K 999 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.054 J	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.100 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: 0.491	
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.909	
Spacing: 24.0 "	C&C Dist a: 3.43 ft	Rep Fac: Yes	Max Web CSI: 0.588	
' "	Loc. from endwall: Any	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08	
1		•	•	-

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 1627 /-/828 /235 /264 1628 /-/-/828 /235 /-Wind reactions based on MWFRS Brg Width = -Min Reg = -Brg Width = -Min Rea = -Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords A - B 623 - 2698 E - F 645 - 2071 644 - 2651 F-G 719 - 2573 B - C C-D 719 - 2569 G-H 644 - 2655 D-E 623 - 2703 645 - 2071 H - I

Lumber

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

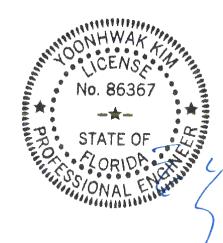
Lt Slider: 2x4 SP #3; block length = 1.672' Rt Slider: 2x4 SP #3; block length = 1.672'

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 10-8-2.



Maximum Bot Chord Forces Per Ply (lbs)

Cnoras	rens.c	omp.	Choras	rens.	Jomp.	
A - M	2227	- 482	K-J	1883	- 322	
M - L	1882	- 322	J - I	2231	- 482	
L-K	1440	- 152				

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens. (Comp.
M - D	475	- 183	E-K	858	- 255
D-L	279	- 540	K-F	279	- 542
L-E	857	- 255	F-J	481	- 183

FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

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SEQN: 307095 COMN Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T42 DrwNo: 076.20.1014.55647 FROM: CDM /Heather Inventory Home /ZECHER CONSTRUCTION Qty: 2 Page 2 of 2 Truss Label: B05 / YK 03/16/2020

Hangers / Ties

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

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

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

Bearing at location x=0' u support conditions: 0' Bearing A (0', 9'1"2) HUS26 uses the following Supporting Member: (2)2x6 SP 2400f-2.0E (14) 0.148"x3" nails into supporting member (4) 0.148"x3" nails into supported member. Bearing I (34'1", 9'1"2) HUS26 Supporting Member: (2)2x6 SP 2400f-2.0E (14) 0.148"x3" nails into supporting member, (4) 0.148"x3" nails into supported member.



FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

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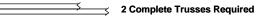
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

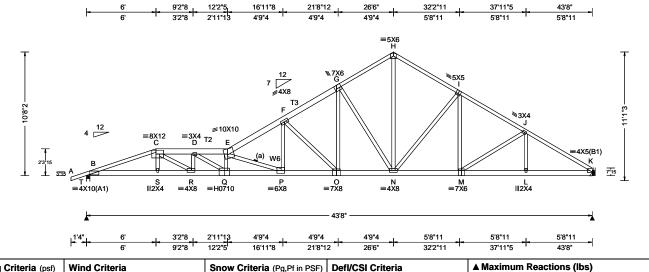
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SEQN: 307096 COMN Ply: 2 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T35 /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1015.03530 FROM: CDM Qty: 1 Page 1 of 2 Truss Label: B06 / YK 03/16/2020





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): 0.456 E 999 240	١.
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.925 E 563 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.073 H	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.149 H	
NCBCLL: 0.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	•	
Load Duration: 1.25	BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.595	
Spacing: 24.0 "	C&C Dist a: 4.37 ft	Rep Fac: No	Max Web CSI: 0.983	
opacing. 24.0	Loc. from endwall: Any	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		١.
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 18.02.01B.0321.08	1

Lumber

Top chord: 2x4 SP #2; T2,T3 2x6 SP 2400f-2.0E; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W6 2x4 SP #2;

(a) Continuous lateral restraint equally spaced on

Nailnote

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

Special Loads

Dur.Fac.=1	.25 / Plate [Dur.Fac.=1.2	25)
61 plf at	-1.33 to	61 plf at	6.00
31 plf at	6.00 to	31 plf at	9.21
61 plf at	9.21 to	61 plf at	12.19
63 plf at	12.19 to	63 plf at	43.67
4 plf at	-1.33 to	4 plf at	0.00
		20 plf at	6.03
10 plf at	6.03 to	10 plf at	9.21
20 plf at	9.21 to	20 plf at	43.67
Conc. Load	at 6.03		
Conc. Load	at 8.06		
Conc. Load	at 6.03		
Conc. Load	at 8.06		
Conc. Load	l at 9.21		
	61 plf at 31 plf at 61 plf at 63 plf at 4 plf at 20 plf at 10 plf at 20 plf at Conc. Load 0 Conc. Load 0 Conc. Load	61 plf at -1.33 to 31 plf at 6.00 to 61 plf at 9.21 to 63 plf at -1.33 to 20 plf at 0.00 to 10 plf at 6.03 to	31 plf at 6.00 to 31 plf at 61 plf at 9.21 to 63 plf at 12.19 to 63 plf at 4 plf at -1.33 to 4 plf at 10 plf at 6.03 to 20 plf at 9.21 to 20 plf at 9.21 to 20 plf at 9.21 to 20 plf at 6.03 conc. Load at 6.03 conc. Load at 6.03 conc. Load at 8.06

Purlins

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

Wind loads and reactions based on MWFRS.

Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding eyerhang is 10-8-2.

B - C C-D 1359 - 7798 H - I 296 D-E 1421 - 8111 I-J 333 - 1798 E-F 733 - 4098 J - K 351 - 1893 448 - 2465 F-G

Gravity

Brg Width = -

Chords Tens.Comp.

Bearing T is a rigid surface.

1039 - 5902

Loc R+

4078 /-

2317 /-

Maximum Bot Chord Forces Per Ply (lbs)

/Rh

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

/-

Wind reactions based on MWFRS Brg Width = 3.5

Chords	Tens.Comp.	Chords	Tens. C	comp.
B-S	5590 - 979	O - N	2081	- 371
S - R	5607 - 978	N - M	1512	- 273
R-Q	7849 - 1371	M - L	1588	- 288
Q-P	8151 - 1433	L-K	1587	- 287
P - O	3475 - 617			

Non-Gravity

/738

/RL

/-/419

Tens. Comp.

- 1595

293 - 1591

/Rw /U

Min Reg = 1.7

Min Reg = -

Chords

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C-R	2580 - 448	G - O	1429 - 221
E-P	867 - 4956	G - N	237 - 1338
P - F	1980 - 312	H - N	1399 - 213
F - O	349 - 1980		

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SEQN: 307096 COMN Ply: 2 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T35 FROM: CDM DrwNo: 076.20.1015.03530 /Heather Inventory Home /ZECHER CONSTRUCTION Qty: 1 Page 2 of 2 Truss Label: B06 / YK 03/16/2020

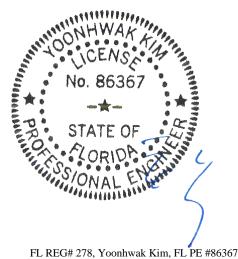
Hangers / Ties

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

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

Bearing at location x=43'5" uses the following support conditions: 43'5" Bearing K (43'5", 9'1"2) HGUS26-2 Supporting Member: (2)2x6 SP 2400f-2.0E (20) 0.148"x3" nails into supporting member. (6) 0.148"x3" nails into supported member.



03/16/2020

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SEQN: 307097 COMN Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T10 FROM: CDM /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1015.06353 Qty: 1 Truss Label: B07 / YK 03/16/2020 19'11' 26'6' 32'2"11 37'11"5 43'8" 4'4"14 6'7' 5'8"11 5'8"11 5'8"11 =5X6 G **₹3X4** =6X8 T2 **₹3**X4 7*15 ≡3X10(A1) В3 N Q ≡5X6 =6X8 M ≡5X5 =6X6(E1) P ≡4X6 **≡**4X10 **∥2X4** 43'8" 6'7" 6'7" 5'8"11 5'8"11 5'8"11 13'4 19'11' 26'6' 32'2"11 37'11"5 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 Ce: NA VERT(LL): 0.465 E 999 240 BCLL: Enclosure: Closed VERT(CL): 0.953 E 0.00 Lu: NA Cs: NA 547 180 В 1887 /-/1138 /338 /292 Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.101 L 1804 /-/-/1029 /300 EXP: C Kzt: NA HORZ(TL): 0.208 L Wind reactions based on MWFRS Des Ld: 40.00 Mean Height: 15.00 ft Brg Width = 3.5В Min Rea = 1.6NCBCLL: 10.00 Code / Misc Criteria Creep Factor: 2.0 TCDL: 5.0 psf Brg Width = -Min Reg = -Blda Code: FBC 2017 RES Max TC CSI: 0.824 Soffit: 2.00 BCDL: 5.0 psf Bearing B is a rigid surface. TPI Std: 2014 Max BC CSI: 0.869 Load Duration: 1.25 MWFRS Parallel Dist: h/2 to h Members not listed have forces less than 375# Rep Fac: Yes Max Web CSI: 0.988 Spacing: 24.0 ' C&C Dist a: 4.37 ft Maximum Top Chord Forces Per Ply (lbs) FT/RT:20(0)/10(0) Loc. from endwall: not in 6.50 ft Chords Tens.Comp. Chords Tens. Comp. Plate Type(s): GCpi: 0.18 B - C 1247 - 4754 - 2206 Wind Duration: 1.60 WAVE VIEW Ver: 18.02.01B.0321.08 C - D 1163 - 4549 H - I 652 - 2634 Lumber **Purlins** D-E 1493 - 6053 I-J 671 - 2965 Top chord: 2x4 SP #2; T2 2x4 SP M-31; Bot chord: 2x4 SP M-31; B3,B4 2x4 SP #2; In lieu of structural panels use purlins to brace all flat E-F 883 - 3625 .I - K 693 - 3012 TC @ 24" oc. 624 - 2228 F-G Webs: 2x4 SP #3; Rt Slider: 2x4 SP #3; block length = 1.630' Maximum Bot Chord Forces Per Ply (lbs) Wind loads based on MWFRS with additional C&C Chords Tens.Comp. Chords Tens. Comp. member design. (a) Continuous lateral restraint equally spaced on B - O 4460 - 1177 2185 - 384 N - M member Additional Notes 4295 - 1059 Q-P M - L 2489 - 503 Refer to General Notes for additional information Refer to General Notes for additional information
The overall height of this trass excluding overhead is
10-8-2.

No. 86367

STATE OF P - O 6144 - 1450 1 - K 2492 - 502 Hangers / Ties O - N 3004 - 599 Simpson Construction Hardware is specified based on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information. Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. Recommended hanger connections are based on D-P 1994 483 - 1667 manufacturer tested capacities and calculations. P - E 249 - 849 N - H 199 - 569 Conditions may exist that require different E - O 911 - 3352 G - N 1758 - 478 connections than indicated. Refer to manufacturer 0 - F 1443 - 331 publication for additional information. Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage. Bearing at location x=43'5" use support conditions: 43'5" Bearing K (43'5", 9'1"2) HUS26 uses the following

> FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

Supporting Member: (2)2x6 SP 2400f-2.0E (14) 0.148"x3" nails into supporting member, (4) 0.148"x3" nails into supported

member.

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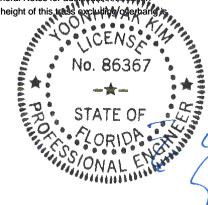
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SEQN: 307098 COMN Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T8 /Heather Inventory Home /ZECHER CONSTRUCTION FROM: CDM DrwNo: 076.20.1015.07923 Qty: 1 Truss Label: B08 / YK 03/16/2020 14'5"11 20'0"12 26'6' 37'11"5 43'8' 5'4"14 4'7"2 4'5"11 6'5"4 5'8"11 5'8"11 5'8"11 =5X6 **₹3X4** 6<u>X</u>6 =6X8 **≢3X4** C 3'7"15 **≷3X4** 7*15 ≡3X10(A1) В3 N R ∥2X4 Q ≡5X6 P ≡4X4 =0 €X8 M ≡5X5 B4 L =6X6(E1) ≡4X8 **∥2X4** 43'8" 5'4"14 4'7"2 4'5"11 5'7"1 6'5"4 5'8"11 5'8"11 5'8"11 5'4"14 14'5"11 20'0"12 26'6' 32'2"11 37'11"5 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 CAT: NA TCLL: 20.00 Pg: NA Ct: NA Speed: 130 mph Loc R+ /R /Rh /Rw /U /RL TCDL: 10.00 Pf: NA Ce: NA VERT(LL): 0.404 E 999 240 BCLL: Enclosure: Closed VERT(CL): 0.828 E 0.00 Lu: NA Cs: NA 630 180 В 1885 /-/1148 /338 /292 Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.097 L 1803 /-/-/1028 /301 /-EXP: C Kzt: NA HORZ(TL): 0.198 L Wind reactions based on MWFRS Des Ld: 40.00 Mean Height: 15.00 ft Brg Width = 3.5В Min Rea = 1.6NCBCLL: 10.00 Code / Misc Criteria Creep Factor: 2.0 TCDL: 5.0 psf Brg Width = -Min Reg = -Blda Code: FBC 2017 RES Max TC CSI: 0.766 Soffit: 2.00 BCDL: 5.0 psf Bearing B is a rigid surface. TPI Std: 2014 Max BC CSI: 0.841 Load Duration: 1.25 MWFRS Parallel Dist: h/2 to h Members not listed have forces less than 375# Rep Fac: Yes Max Web CSI: 0.989 Spacing: 24.0 ' C&C Dist a: 4.37 ft Maximum Top Chord Forces Per Ply (lbs) FT/RT:20(0)/10(0) Loc. from endwall: not in 6.50 ft Chords Tens.Comp. Chords Tens. Comp. Plate Type(s): GCpi: 0.18 1207 - 4735 B - C - 2205 Wind Duration: 1.60 WAVE VIEW Ver: 18.02.01B.0321.08 C - D 1130 - 4343 H - I 660 - 2632 Lumber **Purlins** D-E 1284 - 5067 I-J - 2963 679 Top chord: 2x4 SP #2; In lieu of structural panels use purlins to brace all flat E-F 896 - 3591 J - K 700 - 3010 Bot chord: 2x4 SP M-31; B3,B4 2x4 SP #2; TC @ 24" oc. 628 - 2224 F-G Webs: 2x4 SP #3; Rt Slider: 2x4 SP #3; block length = 1.630' Maximum Bot Chord Forces Per Ply (lbs) Wind loads based on MWFRS with additional C&C Chords Tens.Comp. Chords Tens. Comp. member design. (a) Continuous lateral restraint equally spaced on R-R 4442 - 1137 O - N 2992 -611 member Additional Notes R-Q 4440 - 1139 N - M 2183 -388 Refer to General Notes for additional ហើយប្រជាព្រះ Q-P 4082 - 1009 M - I 2488 - 509 Hangers / Ties The overall height of this trass P - 0 5130 - 1209 2491 - 509 L-K Simpson Construction Hardware is specified based 10-8-2. on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information. Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. Recommended hanger connections are based on C-Q 0 - F 1461 - 353 manufacturer tested capacities and calculations. D-P 1264 - 303 F-N 490 - 1650 Conditions may exist that require different P - E - 729 G - N 213 1748 - 479 connections than indicated. Refer to manufacturer E - O 694 - 2474 N-H 198 - 565 publication for additional information. Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating

coverage.

Bearing at location x=43'5" use support conditions: 43'5" Bearing K (43'5", 9'1"2) HUS26 uses the following Supporting Member: (2)2x6 SP 2400f-2.0E

(14) 0.148"x3" nails into supporting member, (4) 0.148"x3" nails into supported member.



FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

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SEQN: 307099 COMN Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T13 /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1015.09410 FROM: CDM Qty: 1 Truss Label: B09 / YK 03/16/2020 6'4"14 20'0"12 26'6' 32'2"11 37'11"5 43'8" 6'4"14 5'7"2 3'7"7 4'5"5 6'5"4 5'8"11 5'8"11 5'8"11 =5X6 ≡5X6 D **6** X6 **₹3X4** 4'3"15 **≷3X4** 7"15 ≡3X10(A1) В3 Ν Q |||2X4 P ≡5X10 =6X6 M ≡5X5 B4 L =6X6(E1) ≡4X8 **∥2X4** 43'8" 6'4"14 5'7"2 8'0"12 6'5"4 5'8"11 5'8"11 5'8"11 6'4"14 20'0"12 26'6' 32'2"11 37'11"5 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 CAT: NA TCLL: 20.00 Pg: NA Ct: NA Speed: 130 mph Loc R+ /R /Rh /Rw /U /RL TCDL: 10.00 Pf: NA Ce: NA VERT(LL): 0.365 E 999 240 Enclosure: Closed VERT(CL): 0.747 E BCII: 0.00 Lu: NA Cs: NA 699 180 В 1884 /-/1157 /339 /292 Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.095 L 1802 /-/-/1027 /301 /-EXP: C Kzt: NA HORZ(TL): 0.195 L Wind reactions based on MWFRS Des Ld: 40.00 Mean Height: 15.00 ft Brg Width = 3.5В Min Rea = 1.6NCBCLL: 10.00 Code / Misc Criteria Creep Factor: 2.0 TCDL: 5.0 psf Brg Width = -Min Reg = -Blda Code: FBC 2017 RES Max TC CSI: 0.664 Soffit: 2.00 BCDL: 5.0 psf Bearing B is a rigid surface. TPI Std: 2014 Max BC CSI: 0.875 Load Duration: 1.25 MWFRS Parallel Dist: h/2 to h Members not listed have forces less than 375# Rep Fac: Yes Max Web CSI: 0.985 Spacing: 24.0 ' C&C Dist a: 4.37 ft Maximum Top Chord Forces Per Ply (lbs) FT/RT:20(0)/10(0) Loc. from endwall: not in 13.00 ft Chords Tens.Comp. Chords Tens. Comp. Plate Type(s): GCpi: 0.18 1180 - 4716 B - C - 2203 Wind Duration: 1.60 WAVE VIEW Ver: 18.02.01B.0321.08 C - D 1061 - 4114 H - I - 2630 665 Lumber **Purlins** D-E 1044 - 3887 I-J 683 - 2962 In lieu of structural panels use purlins to brace all flat Top chord: 2x4 SP #2; E-F 900 - 3559 J - K 702 - 3009 Bot chord: 2x4 SP M-31; B3,B4 2x4 SP #2; TC @ 24" oc. 628 - 2221 F-G Webs: 2x4 SP #3; Rt Slider: 2x4 SP #3; block length = 1.630' Maximum Bot Chord Forces Per Ply (lbs) Wind loads based on MWFRS with additional C&C Chords Tens.Comp. Chords Tens. Comp. member design. (a) Continuous lateral restraint equally spaced on B - O 4419 - 1106 2182 - 389 N - M member Additional Notes 4416 - 1108 Q-P M - L 2487 -513 Refer to General Notes for additional information Refer to General Notes for additions. The overall height of this truss exclusions. No. P - O 4416 - 1035 1 - K 2490 -513 Hangers / Ties overhang is O - N 2986 - 618 Simpson Construction Hardware is specified based on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information. Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. Recommended hanger connections are based on C-P 0 - F 1479 - 366 manufacturer tested capacities and calculations. D-P 990 - 204 F-N 493 - 1643 Conditions may exist that require different P - E 217 - 809 N-H 197 - 565 connections than indicated. Refer to manufacturer E - O 563 - 1923 G - N 1740 - 476 publication for additional information. Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end,

unless unsupported chord end has 85% plating coverage.

Bearing at location x=43'5" use support conditions: 43'5" Bearing K (43'5", 9'1"2) HUS26 uses the following Supporting Member: (2)2x6 SP 2400f-2.0E

(14) 0.148"x3" nails into supporting member, (4) 0.148"x3" nails into supported member.



FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

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SEQN: 307100 COMN Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T9 DrwNo: 076.20.1015.10863 FROM: CDM /Heather Inventory Home /ZECHER CONSTRUCTION Qty: 1 Truss Label: B10 / YK 03/16/2020 7'4"14 16'9"2 20'0"12 26'6' 32'2"11 37'11"5 43'8" 7'4"14 6'7"2 2'9"2 3'3"10 6'5"4 5'8"11 5'8"11 5'8"11 =5X6 **≤5**X6 **₹3X4** 4'11"15 **≷3X4** 7"15 ≡3X10(A1) В3 Ν Q ≡5X6 P ≡3X8 =6X6 M ≡5X5 B4 L =6X6(E1) ≡4X8 **∥2X4** 43'8" 7'4"14 6'7"2 6'0"12 6'5"4 5'8"11 5'8"11 5'8"11 7'4"14 20'0"12 26'6' 32'2"11 37'11"5 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 Pg: NA TCLL: 20.00 Speed: 130 mph Loc R+ /R /Rh /Rw /U /RL TCDL: 10.00 Pf: NA Ce: NA VERT(LL): 0.334 E 999 240 BCLL: Enclosure: Closed VERT(CL): 0.683 E 0.00 Lu: NA Cs: NA 764 180 В 1882 /-/1166 /44 /292 Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.093 L 1801 /-/-/1025 /26 /-EXP: C Kzt: NA HORZ(TL): 0.191 L Wind reactions based on MWFRS Des Ld: 40.00 Mean Height: 15.00 ft Brg Width = 3.5В Min Rea = 1.6NCBCLL: 10.00 Code / Misc Criteria Creep Factor: 2.0 TCDL: 5.0 psf Brg Width = -Min Reg = -Blda Code: FBC 2017 RES Max TC CSI: 0.729 Soffit: 2.00 BCDL: 5.0 psf Bearing B is a rigid surface. TPI Std: 2014 Max BC CSI: 0.852 Load Duration: 1.25 MWFRS Parallel Dist: h to 2h Members not listed have forces less than 375# Rep Fac: Yes Max Web CSI: 0.993 Spacing: 24.0 ' C&C Dist a: 4.37 ft Maximum Top Chord Forces Per Ply (lbs) FT/RT:20(0)/10(0) Loc. from endwall: not in 13.00 ft Chords Tens.Comp. Chords Tens. Comp. Plate Type(s): GCpi: 0.18 1145 - 4677 B - C 639 - 2202 WAVE VIEW Ver: 18.02.01B.0321.08 Wind Duration: 1.60 C - D 997 - 3880 H - I 668 - 2628 Lumber **Purlins** D-E 985 - 3646 I-J 686 - 2961 Top chord: 2x4 SP #2; T1 2x4 SP M-31; Bot chord: 2x4 SP M-31; B3,B4 2x4 SP #2; In lieu of structural panels use purlins to brace all flat E-F 909 - 3516 J - K 703 - 3008 TC @ 24" oc. 626 - 2219 F-G Webs: 2x4 SP #3; Rt Slider: 2x4 SP #3; block length = 1.630' Maximum Bot Chord Forces Per Ply (lbs) Wind loads based on MWFRS with additional C&C Chords Tens.Comp. Chords Tens. Comp. member design. (a) Continuous lateral restraint equally spaced on B - O 4376 - 1067 2180 - 388 N - M member Additional Notes Q-P 4371 - 1068 M - L 2486 -516 Refer to General Notes for additional information Refer to General Notes for additional information
The overall height of this trust excluding overhang is
10-8-2.

No. 86367

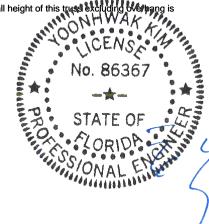
STATE OF

ORIO P - O 3900 - 890 1 - K 2489 -516 Hangers / Ties O - N 2978 - 624 Simpson Construction Hardware is specified based on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information. Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. Recommended hanger connections are based on C-P 0 - F - 374 1475 manufacturer tested capacities and calculations. D-P 877 - 173 F-N 499 - 1633 Conditions may exist that require different P - E - 522 N-H 136 197 - 563 connections than indicated. Refer to manufacturer E - 0 470 - 1616 G - N 1738 - 479 publication for additional information. Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating

coverage.

Bearing at location x=43'5" use support conditions: 43'5" Bearing K (43'5", 9'1"2) HUS26 uses the following Supporting Member: (2)2x6 SP 2400f-2.0E (14) 0.148"x3" nails into supporting

member, (4) 0.148"x3" nails into supported member.



FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

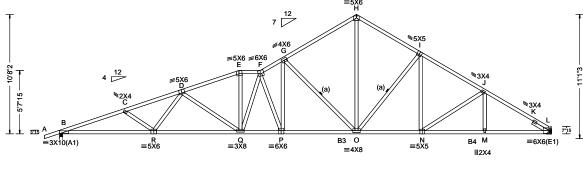
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SEQN: 307101 COMN Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T15 DrwNo: 076.20.1015.12267 FROM: CDM /Heather Inventory Home /ZECHER CONSTRUCTION Qty: 1 Truss Label: B11 / YK 03/16/2020 20'0"12 2'1"14 10'11"4 43'8' 5'10"8 17'10"14 26'6" 32'2"11 37'11"5 =5<u>X</u>6 7 12 **₹5**X5



 			4	13'8" ————			<u> </u>
- ^{1'4} " -	8'4"14	7'7"2	4'0"12	6'5"4	5'8"11	5'8"11	5'8"11
	8'4"14	16'	20'0"12	26'6"	32'2"11	37'11"5	43'8"

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): 0.342 F 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.699 F 746 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.091 M
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.187 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: 0.541
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.867
Spacing: 24.0 "	C&C Dist a: 4.37 ft	Rep Fac: Yes	Max Web CSI: 0.996
- -	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: 18.02.01B.0321.08

Lumber

Top chord: 2x4 SP #2;

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

Rt Slider: 2x4 SP #3; block length = 1.630'

(a) Continuous lateral restraint equally spaced on member

Hangers / Ties

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

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

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

Bearing at location x=43'5" use support conditions: 43'5" Bearing L (43'5", 9'1"2) HUS26 uses the following

Supporting Member: (2)2x6 SP 2400f-2.0E (14) 0.148"x3" nails into supporting

member, (4) 0.148"x3" nails into supported member.

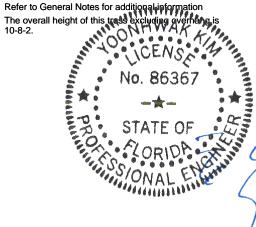
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Purlins

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

Additional Notes

Refer to General Notes for additional information



▲ Maximum Reactions (lbs)

Gravity				Non-Gravity		
Loc	R+	/ R-	/ Rh	/Rw /U	/ RL	
В	1881	/-	/-	/1174 /44	/292	
L	1800	/-	/-	/1022 /26	/-	
Wi	nd read	tions b	ased on N			
В	Brg V	/idth =	3.5	Min Req = 1.0	6	
1	Bra W	/idth -	_	Min Reg		

Bearing B is a rigid surface.

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

B - C	1126 - 4723	G-H	625	- 2218
C - D	1080 - 4447	H - I	641	- 2201
D-E	931 - 3604	I - J	670	- 2627
E-F	916 - 3392	J - K	688	- 2959
F-G	908 - 3461	K-L	703	- 3006

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.	
B - R	4428 - 1056	O - N	2178	
R - Q	3948 - 943	N - M	2484	- 517
Q - P	3495 - 775	M - L	2487	- 517
P - O	2975 - 629			

Maximum Web Forces Per Ply (lbs)

webs	rens.comp.	webs	rens. Comp.	
R - D	469 - 51	P - G	1443 - 365	_
D-Q	220 - 705	G - O	503 - 1630	
E - Q	847 - 173	0-1	196 - 563	,
F-P	407 - 1438	H - O	1738 - 482	

FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

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6750 Forum Drive Suite 305 Orlando FL, 32821

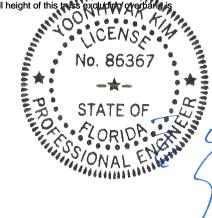
SEQN: 307102 COMN Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T12 /Heather Inventory Home /ZECHER CONSTRUCTION FROM: CDM DrwNo: 076.20.1015.13857 Qty: 1 Truss Label: B12 / YK 03/16/2020 6'6"8 12'3"4 26'6' 32'2"11 37'11"5 43'8" 6'6"8 5'8"12 5'8"12 7'5"7 5'8"11 5'8"11 5'8"11 =5X6 7 12 ≢5X6 ≡5X6 E 4 12 **₹3X4** 6'3"1 **≷3X4** 7"15 ≡3X10(A1) P O ≡3X4 ≡5X6 R ∥2X4 Q ≡5X6 N ≡4X10 M ≡5X5 B4 L =6X6(E1) **∥2X4** 43'8" 6'6"8 5'8"12 5'8"12 1'0"9 7'5"7 5'8"11 5'8"11 5'8"11 12'3"4 190"9 26'6 32'2"11 37'11"5 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: 20.00 CAT: NA Pg: NA Ct: NA Speed: 130 mph Loc R+ /R /Rh /Rw /U /RL TCDL: 10.00 Pf: NA Ce: NA VERT(LL): 0.326 F 999 240 Enclosure: Closed VERT(CL): 0.666 F BCII: 0.00 Lu: NA Cs: NA 784 180 В 1879 /-/1181 /45 /291 Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.086 L 1799 /-/1018 /26 /-EXP: C Kzt: NA HORZ(TL): 0.176 L Wind reactions based on MWFRS Des Ld: 40.00 Mean Height: 15.00 ft Brg Width = 3.5В Min Rea = 1.6NCBCLL: 10.00 Code / Misc Criteria Creep Factor: 2.0 TCDL: 5.0 psf Brg Width = -Min Rea = -Blda Code: FBC 2017 RES Max TC CSI: 0.914 Soffit: 2.00 BCDL: 5.0 psf Bearing B is a rigid surface. TPI Std: 2014 Max BC CSI: 0.699 Load Duration: 1.25 MWFRS Parallel Dist: h to 2h Members not listed have forces less than 375# Rep Fac: Yes Max Web CSI: 0.949 Spacing: 24.0 ' C&C Dist a: 4.37 ft Maximum Top Chord Forces Per Ply (lbs) FT/RT:20(0)/10(0) Loc. from endwall: not in 13.00 ft Chords Tens.Comp. Chords Tens. Comp. Plate Type(s): GCpi: 0.18 B - C 1082 - 4703 - 2203 Wind Duration: 1.60 WAVE VIEW Ver: 18.02.01B.0321.08 C - D 999 - 4082 H - I 670 - 2622 Lumber **Purlins** D-E 875 - 3401 I-J 689 - 2958 In lieu of structural panels use purlins to brace all flat Top chord: 2x4 SP #2; E-F 863 - 3176 J - K 702 - 3005 Bot chord: 2x4 SP M-31; B4 2x4 SP #2; TC @ 24" oc. F-G 619 - 2234 Webs: 2x4 SP #3; Rt Slider: 2x4 SP #3; block length = 1.630' Maximum Bot Chord Forces Per Ply (lbs) Wind loads based on MWFRS with additional C&C Chords Tens.Comp. Chords Tens. Comp. member design. (a) Continuous lateral restraint equally spaced on R-R 4406 - 1011 O - N 3182 - 695 member Additional Notes R-Q 4402 - 1012 N - M 2174 -389 Refer to General Notes for additional information Q-P 3802 - 875 M - I 2484 -518 Hangers / Ties The overall height of this truss P - 0 3176 - 693 2487 -518 L-K Simpson Construction Hardware is specified based 10-8-2. on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information. Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. Recommended hanger connections are based on C-Q 536 - 1731 manufacturer tested capacities and calculations. Q-D 391 - 33 G - N 1685 - 459 Conditions may exist that require different D-P -777 N - H 226 187 - 541 connections than indicated. Refer to manufacturer E-P 829 - 222 publication for additional information. Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

Bearing at location x=43'5" use support conditions: 43'5" Bearing K (43'5", 9'1"2) HUS26 Supporting Member: (2)2x6 SP 2400f-2.0E

uses the following

(14) 0.148"x3" nails into supporting member, (4) 0.148"x3" nails into supported

member.



FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

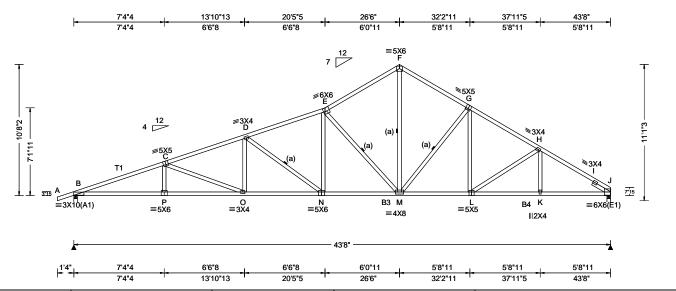
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SEQN: 307103 COMN Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T6 FROM: CDM /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1015.15270 Qty: 1 Truss Label: B13 / YK 03/16/2020



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): 0.297 N 999 240	니브
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.607 N 859 180	Ιв
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.092 K	IJ
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.187 K	V
NCBCLL: 10.00	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	•	J
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.785	В
	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.929	M
Spacing: 24.0 "	C&C Dist a: 4.37 ft	FT/RT:20(0)/10(0)	Wax Web Col. 0.929	N
	Loc. from endwall: not in 13.00 ft	() ()		<u>C</u>
	GCpi: 0.18	Plate Type(s):	\(\(\begin{align*} \begin{align*} \lambda & \	۱в
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08	٦,

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31; Bot chord: 2x4 SP M-31; B3,B4 2x4 SP #2; Webs: 2x4 SP #3; Rt Slider: 2x4 SP #3; block length = 1.630'

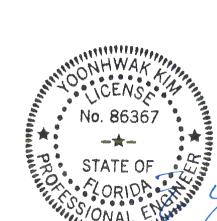
Loading Criteria (psf) Wind Criteria

(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 The overall height of this truss excluding overhang is



▲ Maximum Reactions (lbs)

D-E

	= maximum reactions (ibe)						
		Grav	rity	1	Non-Gravity		
	Loc R	+ /1	R- / R	th / Rw	/ / U	/ RL	
	B 18	78 /-	/-	/118	8 /45	/291	
	J 179	98 /-	/-	/101	2 /27	/-	
Wind reactions based on MWFRS				;			
	B Br	g Wid	th = 3.5	Min R	eq = 1.	6	
	J Br	g Wid	th = 3.5	Min R	eq = 2.	1	
	Bearing	gs B &	J are a r	igid surface			
	Membe	ers not	listed ha	ve forces le	ss than	375#	
Maximum Top Chord Forces Per Ply (lbs)					os)		
	Chords	Ten	s.Comp.	Chords	Tens.	. Ćomp.	
	B-C	104	15 - 4659	F-G	641	- 2195	
	C-D	-	39 - 3913	-	669		

Maximum Bot Chord Forces Per Ply (lbs)

800 - 3106

627 - 2201

Chords	Tens.Comp.		ords Tens.Comp. Chords		Tens. Comp.		
B - P	4359	- 971	M - L	2176	- 389		
P - O	4354	- 972	L-K	2480	- 517		
O - N	3633	- 803	K-J	2483	- 516		
N - M	2857	- 595					

687 - 2954

698 - 3001

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
0-0	192 - 753	E - M	486 - 1564
O - D	473 - 53	M - G	196 - 569
D - N	255 - 939	F-M	1745 - 491
N - E	693 - 133		

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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

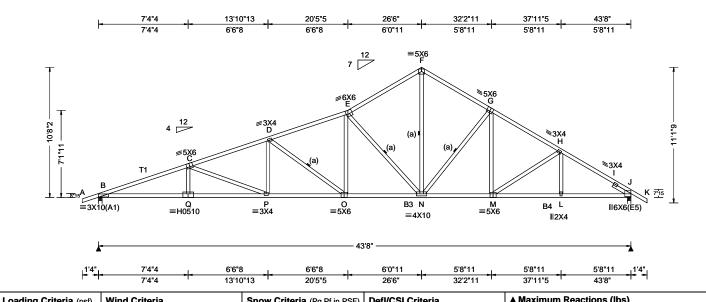
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SEQN: 307104 COMN Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T7 FROM: CDM Qty: 2 /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1015.16893 Truss Label: B14 / YK 03/16/2020



Loading Criteria (psi)	Willia Criteria	Show Criteria (Pg,Prin PSF)	Dell/Col Cillella	-
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): 0.336 O 999 240	<u>L</u>
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.650 O 803 180	Ιв
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.103 L	J
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.199 L	V
NCBCLL: 10.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	В
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.710	J
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.940	В
Spacing: 24.0 "	C&C Dist a: 4.37 ft	Rep Fac: Yes	Max Web CSI: 0.927	I N
-F3	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		I N
	GCpi: 0.18	Plate Type(s):		۲
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 18.02.01B.0321.08	٦в

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 1956 /-/1188 /45 /310 2007 /-/-/1090 /33 /-Wind reactions based on MWFRS Brg Width = 3.5Min Rea = 1.6Brg Width = 3.5 Min Req = 2.4 Bearings B & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C C - D 1039 - 4897 - 2376 932 - 4154 G-H 656 - 2840 D-E 793 - 3357 664 - 3148 H - I

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31; Bot chord: 2x4 SP M-31; B3,B4 2x4 SP #2; Webs: 2x4 SP #3; Rt Slider: 2x4 SP #3; block length = 1.630'

(a) Continuous lateral restraint equally spaced on member

Loading

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

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

Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 10-8-2.



Maximum Bot Chord Forces Per Ply (lbs)

621 - 2382

Chords	: Tens.Comp.		ords Tens.Comp. Chords		Chords	Tens. Comp.		
B-Q	4584	- 918	N - M	2363	- 352			
Q-P	4579	- 919	M - L	2641	- 456			
P - O	3862	- 749	L-J	2644	- 456			
O - N	3092	- 541						

641 - 3195

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - P	193 - 749	E-N	485 - 1682
P - D	473 - 53	N - G	195 - 619
D - O	255 - 928	F-N	1926 - 486
O - E	771 - 133		

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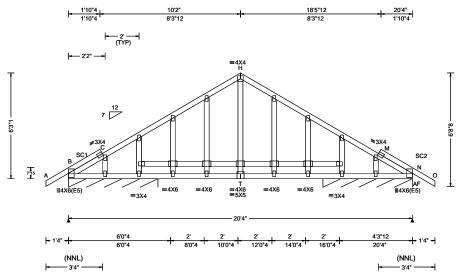
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SEQN: 307105 GABL Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T2 /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1015.26527 FROM: CDM Qty: 1 Truss Label: C01 / YK 03/16/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (lbs), 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): 0.022 G 999 240	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.045 I 999 180	B* 177 /- /- /115 /30 /36
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.010 G	AF* 177 /- /- /89 /30 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.019 G	Wind reactions based on MWFRS
NCBCLL: 10.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	B Brg Width = 63.5 Min Req = -
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.183	AF Brg Width = 63.5 Min Req = -
Load Duration: 1.25	BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.375	Bearings B & R are a rigid surface.
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.118	Members not listed have forces less than 375#
opacing. 24.0		·		Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: Any	FT/RT:20(0)/10(0)		Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08	B-C 12 -443 H-M 155 -466 C-H 155 -466 M-N 1 -442
Location				C-H 155 -466 M-N 1 -442

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

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.

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

The overall height of this truss excluding overhang is 6-3-1.



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Maximum Bot Chord Forces Per Ply (lbs)

Chords

T - N

Tens. Comp.

0

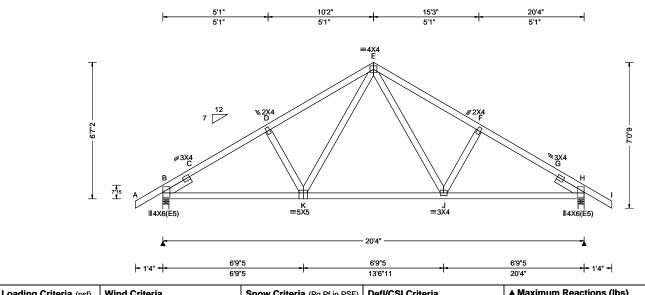
614

Chords Tens.Comp.

614

B - T

SEQN: 307106 COMN Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T1 FROM: CDM /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1015.28163 Qty: 9 Truss Label: C02 / YK 03/16/2020



ı	Loading Criteria (psr)	wind Criteria	Show Criteria (Pg,Pf in PSF)	Defi/Col Criteria	_
	TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	1.
	TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.035 J 999 240	L
	BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.068 J 999 180	В
	BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.015 J	Н
	Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.029 J	W
	NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0	В
	Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.274	ΙH
	Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.582	B
	Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.176	I M
		Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		M
		GCpi: 0.18	Plate Type(s):		۲
Wind Duration: 1.60		WAVE	VIEW Ver: 18.02.01B.0321.08		
	Lumban		<u> </u>	I.	∟ C

▲ Maximum Reactions (Ibs)								
	Gravity			Non-Gravity				
Loc R+	- /R-	/ Rh	/ Rw	/ U	/ RL			
B 984	/-	/-	/561	/162	/191			
H 984	/-	/-	/561	/162	/-			
Wind re								
B Brg	Width =	3.5	Min Req = 1.5					
H Brg	H Brg Width = 3.5			Min Req = 1.5				
Bearing	Bearings B & H are a rigid surface.							
Member	Members not listed have forces less than 375#							
Maximum Top Chord Forces Per Ply (lbs)								
Chords	Tens.Co	mp.	Chords	Tens.	Comp.			
в-с	313 -	1422	E-F	300	- 1204			
C-D	264 -	1315	F-G	265	- 1317			
D-E	299 -	1202	G - H	311	- 1423			

Maximum Bot Chord Forces Per Ply (lbs)

Chords

J - H

Webs

E-J

Tens. Comp.

Tens. Comp.

461

- 149

- 108

1090

Chords Tens.Comp.

1088 - 135

749 - 33

B - K

K-J

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

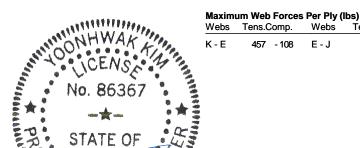
Lt Slider: 2x4 SP #3; block length = 1.500' Rt Slider: 2x4 SP #3; block length = 1.500'

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



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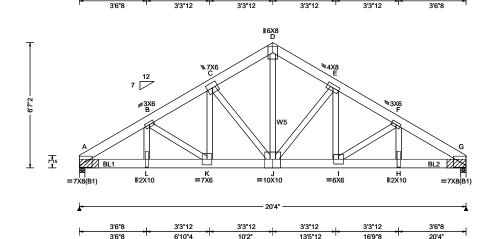
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SEQN: 307107 COMN Ply: 2 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T34 FROM: CDM /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1015.35860 Qty: 1 Truss Label: C03 / YK 03/16/2020





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): 0.108 K 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.215 K 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.040 H
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.080 H
NCBCLL: 0.00	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: 0.349
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.594
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.820
'	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: 18.02.01B.0321.08

Lumber

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

Nailnote

Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 2 Rows @ 4.00" o.c. (Each Row) Webs : 1 Row @ 4" o.c. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 0.00 to TC: From 63 plf at 63 plf at 20.33 BC: From 10 plf at 0.00 to 10 plf at 18.06 20.33 BC: From 20 plf at 18.06 to 20 plf at BC: 1628 lb Conc. Load at 2.06, 4.06 BC: 2317 lb Conc. Load at 6.13 BC: 1804 lb Conc. Load at 8.06,10.06 BC: 1802 lb Conc. Load at 12.00,14.00 BC: 1800 lb Conc. Load at 16.06,18.06

Wind

Wind loads and reactions based on MWFRS.

Bearing Block(s)

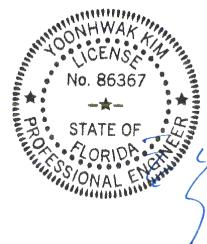
Brg blocks:0.131"x3", min. nails brg x-loc #blocks length/blk #nails/blk wall plate 1 0.000' 1 12" 5 Rigid Surface 12" 20.042' Rigid Surface Brg block to be same size and species as chord Refer to drawing CNNAILSP1014 for more information.

Blocking

Full Height Blocking reinforcement required to prevent buckling of members over the bearings: bearing 1 located at 0.0' bearing 2 located at 20.0'

Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 6-7-2.



▲ Maximum Reactions (IDS)						
	Gravity		Non-Gravity			
Loc R	- /R-	/ Rh	/ Rw	/ U	/ RL	
A 899	7 /-	/-	/-	/1375	/-	
G 889	6 /-	/-	/-	/898	/-	
Wind re	actions l	pased on	MWFRS			
A Brg	Width =	: 3.5	Min Re	q = -		
G Brg	Width =	: 3.5	Min Re	q = -		
Bearing	s A & G	are a rigio	surface.	•		
Membe	rs not list	ted have f	orces less	than 3	75#	
Maximu	ım Top	Chord Fo	rces Per	Ply (lbs	s)	
Chords	Tens.C	omp.	Chords	Tens.	Ćomp.	
A - B	1088 -	7139	D-E	690	- 4840	
B-C			E-F	765	- 6198	

Maximum Bot Chord Forces Per Ply (lbs)

690 - 4839

C - D

Chords	Tens.Comp.		Chords	Tens. (Comp.
A - L	6015	- 912	J - I	5284	- 650
L-K	6002	- 911	I - H	5953	- 623
K - J	5377	- 805	H-G	5967	- 622

F-G

745 - 7082

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
L-B	982 - 135	J-E	93 - 1753	
B - K	112 -658	E-I	1975 - 76	
K-C	2154 - 361	I-F	0 -722	
C - J	343 - 1904	F-H	1047 0	
D-J	4597 - 623			

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SEQN: 307108 COMN Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T26 FROM: CDM /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1015.39910 Qty: 1 Truss Label: D01 / YK 03/16/2020 11'11"12 16'11"8 4'11"12 4'11"12 ∥2X4 D ≡6X8 C ≡4X8 E **T2** W4 2'7"15 31 3"15 H ≡5X6 G ≡6X10 ≡4X6(A2) **∥2.5**X6 16'11"8 -4'11"12 4'11"12 - 1'4" -- 7' 11'11"12 16'11"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): 0.118 H 999 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.235 H 858 180	ı
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.025 F	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.050 F	
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: 0.908	
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.518	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.729	
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08	
				_

▲ Maximum Reactions (lbs)						
	(3ravity		N	on-Grav	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	1580	/-	/-	/-	/314	/-
F	1956	/-	/-	/-	/367	/-
Win	d rea	ctions b	ased o	n MWFRS		
В	Brg \	Nidth =	3.5	Min Re	eq = 1.5	5
F	Brg \	Nidth =	3.5	Min Re	eq = 1.6	3
Bea	rings	B&Fa	re a rig	id surface.	•	
Mer	nbers	not list	ed have	e forces les	s than 3	375#
Maximum Top Chord Forces Per Ply (lbs)						
Cho	rds '	Tens.Co	omp.	Chords	Tens.	Comp.
B - 0	С	715 -	3769	D-E	552	- 2942
C -	D	553 -	2943			

Lumber

Top chord: 2x4 SP #2; T2 2x4 SP M-31; Bot chord: 2x4 SP M-31; Webs: 2x4 SP #3; W4 2x4 SP #2;

Special Loads

TC: From 61 plf at -1.33 to 7.00 to 61 plf at 7 00 TC: From 31 plf at 4 plf at 31 plf at 16.96 BC: From -1.33 to 4 plf at 0.00 BC: From 20 plf at 0.00 to 20 plf at 7.03 BC: From 10 plf at 7.03 to 16.96 10 plf at 416 lb Conc. Load at 7.03 183 lb Conc. Load at 9.06,11.06,13.06,15.06 TC: TC: 16.60 510 lb Conc. Load at 7.03 127 lb Conc. Load at 9.06,11.06,13.06,15.06 BC: 16.60

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

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

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

Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 2-7-15.



Chords Tens.Comp. Chords Tens. Comp. 3518 - 654 3559 - 652

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens.	Comp.
C - H	677	0	G-E	3229	- 606
C - G	110	- 683	E-F	378	- 1734
D - G	241	- 689			



FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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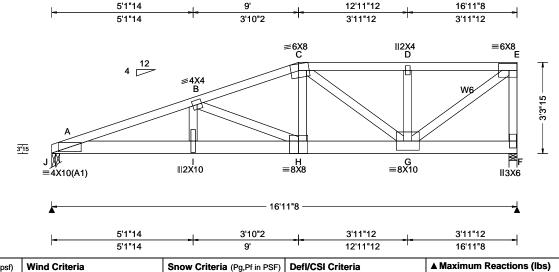
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6750 Forum Drive Suite 305 Orlando FL, 32821

SEQN: 3493 COMN Ply: 2 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T46 FROM: CDM /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1017.27160 Qty: 1 Truss Label: D02 / YK 03/16/2020





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria	▲ Max
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00	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	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 DetVCSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.150 I 999 240 VERT(CL): 0.299 I 675 180 HORZ(LL): 0.026 F Creep Factor: 2.0 Max TC CSI: 0.827	Loc R J 42 F 49 Wind r J Br F Br
Load Duration: 1.25 Spacing: 24.0 "	BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18 Wind Duration: 1.60	TPI Std: 2014 Max BC CSI: 0.578 Rep Fac: No Max Web CSI: 0.853 FT/RT:20(0)/10(0) Plate Type(s): WAVE VIEW Ver: 19.02.02B.0122.16	Bearin Member Maxim Chords A - B B - C
Lauranteau		\A/:d	D-C

Gravity Non-Gravity Loc R+ /R /Rh /Rw / U /RL 4289 /-/604 /-4932 /-/-/466 /-Wind reactions based on MWFRS Brg Width = 3.5Min Rea = 1.8Brg Width = 3.5 Min Req = 2.0 Bearings J & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 846 - 6054 288 - 3043

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W6 2x4 SP #2;

Nailnote

Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @ 3.25" o.c. Webs : 1 Row @ 4" o.c.

Use equal spacing between rows and stagger nails

in each row to avoid splitting.

Special Loads

Dur.Fac.=1	.25 / Plate [Our.Fac.=1.2	25)
61 plf at	0.00 to	61 plf at	6.19
31 plf at	6.19 to	31 plf at	9.00
61 plf at	9.00 to	61 plf at	16.96
20 plf at	0.00 to	20 plf at	4.19
10 plf at	4.19 to	10 plf at	14.19
20 plf at	14.19 to	20 plf at	16.96
Conc. Load	at 4.19		
Conc. Load	at 6.19		
Conc. Load	at 8.19		
Conc. Load	at 10.19		
Conc. Load	at 12.19		
Conc. Load	at 14.19		
	61 plf at 31 plf at 61 plf at 20 plf at 10 plf at 20 plf at Conc. Load Conc. Load Conc. Load Conc. Load	61 plf at 0.00 to 31 plf at 6.19 to 61 plf at 9.00 to 20 plf at 0.00 to	31 plf at 6.19 to 31 plf at 61 plf at 9.00 to 61 plf at 20 plf at 4.19 to 20 plf at 20 plf at 14.19 to 20 plf at 20 plf at 4.19 to 20 plf at 20 plf at 14.19 to 20 plf at 20 plf

Purlins

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

Additional Notes

Refer to General Notes for additional information

Wind

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

Maximum Bot Chord Forces Per Ply (lbs)

Cnoras	rens.Comp.	Choras	rens. (Jomp.	
	5725 - 795 5661 - 784	H-G	4183	- 500	

D-E

288 - 3043

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
I - B	1097 - 185	C-G	264 - 1420
B - H	312 - 1622	G-E	3778 - 358
C - H	2131 - 283	E-F	234 - 2311



FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

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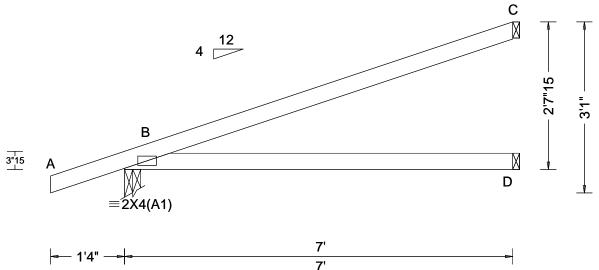
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 307110 **EJAC** Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T37 FROM: CDM /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1015.47077 Qty: 6 Truss Label: J01 / YK 03/16/2020



1				
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	L: 20.00 DL: 10.00 L: 0.00 DL: 10.00 DL: 10.00 Ld: 40.00 BCLL: 10.00 BCLL: 10.00 BCLL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h	` •	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.015 D HORZ(TL): 0.030 D	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 387 /- /- /258 /67 /79 D 127 /- /- /88 /- /- C 183 /- /- /83 /60 /-
NCBCLL: 10.00		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: 0.687 Max BC CSI: 0.498 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: 18.02.01B.0321.08	

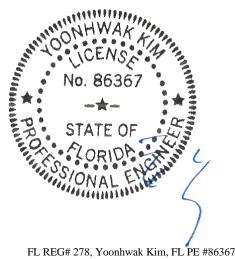
Lumber

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



03/16/2020

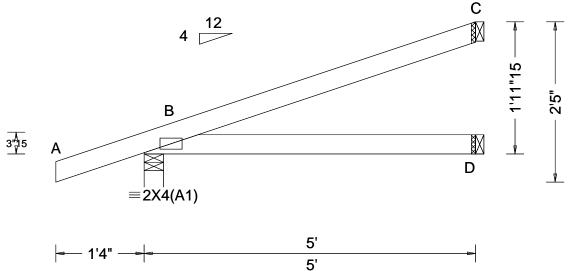
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6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 307111 **JACK** Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T38 FROM: CDM /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1015.48267 Qty: 4 Truss Label: J02 / YK 03/16/2020



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!

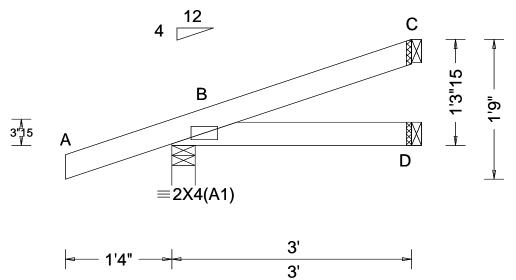
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SEQN: 307112 **JACK** Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T39 FROM: CDM /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1015.49490 Qty: 4 Truss Label: J03 / YK 03/16/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (lbs)
Coding 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	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		Non-Gravity
Load Duration: 1.25 Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Max BC CSI: 0.069 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	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#
Lumban				

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 1-3-15.



FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

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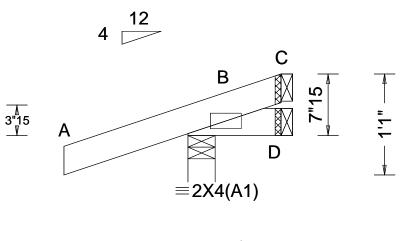
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Refer to distance of the property of the prope

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SEQN: 307113 **JACK** Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T40 FROM: CDM /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1015.50913 Qty: 4 Truss Label: J04 / YK 03/16/2020



<u>-</u> 1'Δ" -	_ _	1'	_1
14		1'	

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (Ib	os)
TCLL: 20.00	Wind Std: ASCE 7-10 Speed: 130 mph	•	PP Deflection in loc L/defl L/#	Gravity Loc R+ /R- /Rh	Non-Gravity / Rw / U / RL
TCDL: 10.00 BCLL: 0.00	Enclosure: Closed Risk Category: II	Pf: NA Ce: NA Lu: NA Cs: NA	VERT(LL): NA VERT(CL): NA	B 217 /- /-	/162 /81 /23
BCDL: 10.00 Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft	Snow Duration: NA	HORZ(LL): -0.000 D HORZ(TL): 0.000 D	D 4 /-13 /- C - /-36 /-	/18 /14 /- /27 /35 /-
NCBCLL: 10.00 Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	Code / Misc Criteria Bldg Code: FBC 2017 RES		Wind reactions based on M B Brg Width = 3.5 D Brg Width = 1.5	Min Req = 1.5 Min Req = -
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: Yes	Max BC CSI: 0.026 Max Web CSI: 0.000	C Brg Width = 1.5 Bearing B is a rigid surface	Min Req = -
	Loc. from endwall: Any GCpi: 0.18	FT/RT:20(0)/10(0) Plate Type(s):		Members not listed have for	
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08		

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



FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

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SEQN: 307114 HIP_ Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T22 FROM: CDM /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1015.58520 Qty: 1 Truss Label: J05HJ / YK 03/16/2020 5'6"7 9'10"13 5'6"7 4'4"5 D 2.83 **≡3X4** C В 3"12 G ∥2X4 FΕ **≡**3X4 4'0"13 5'6"7 - 1'10"10 - - 5'6"7 9'7"5

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): 0.035 G 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.070 G 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.007 F
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.015 F
NCBCLL: 0.00	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: 0.530
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.592
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.391
-, 3	Loc. from endwall: NA	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw / U /RL Н 432 /-383 /-/19 /-233 /92 Wind reactions based on MWFRS Brg Width = 4.9 Min Req = 1.5 Brg Width = 1.5 Min Req = -

Brg Width = 1.5 Min Rea = -Bearing H is a rigid surface.

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

B - C 176 - 1004

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

Lumber

Top chord: 2x4 SP #2;

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

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 2-7-12.

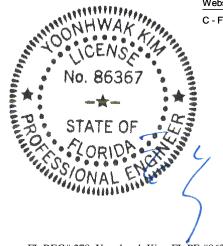
Provide (3) 16d common 0.162"x3.5", toe-nails at TC. Provide (3) 16d common 0.162"x3.5", toe-nails at BC.

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

B - G 962 - 166 G-F 949 - 172

Maximum Web Forces Per Ply (lbs)

Tens.Comp. Webs 181 - 1003



FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

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SEQN: 307115 HIP_ Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T3 /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1016.03263 FROM: CDM Qty: 1 Truss Label: J06HJ / YK 03/16/2020 4'10" 8'5"13 4'10" 3'7"13 D 12 2.83 ≅2X4 C 2'8"15 В 3"12 FΕ **≡3X4** \equiv 2X4(A1) 8'2"5 3"8 – 1'10"10 — 8'2"5 8'5"13

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	١,
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): 0.025 C 999 240	1
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.069 F 999 180	l,
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.006 F	П
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.018 F	H
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0	ľ
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.473	Ľ
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.768	ľ
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.276	H
	Loc. from endwall: Any	FT/RT:20(0)/10(0)		L
	GCpi: 0.18	Plate Type(s):		li
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08	Г
Lumban				٠.

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL G 314 /125 /-Е 343 /-/45 /-135 /38 Wind reactions based on MWFRS

Brg Width = 4.9 Min Req = 1.5 Brg Width = 1.5 Min Req = -Brg Width = 1.5 Min Rea = -Bearing G is a rigid surface.

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

B - C 173 - 551

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

550 - 157

Maximum Web Forces Per Ply (lbs)

Tens.Comp. C-F 166 - 575

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

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

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 0.00 TC: From 0 plf at -1.89 to 61 plf at 2 plf at 0 plf at 0.00 to 2 plf at 8 49 BC: From -1.89 to 4 plf at 0.00 2 plf at 0.00 to BC: From 2 plf at -22 lb Conc. Load at 1.48

127 lb Conc. Load at 4.31 251 lb Conc. Load at 7.13 9 lb Conc. Load at 1.48 TC: TC: BC: 97 lb Conc. Load at 4.31 176 lb Conc. Load at 7.13

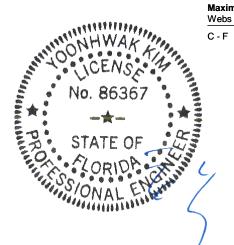
Wind

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 2-3-12.

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 03/16/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

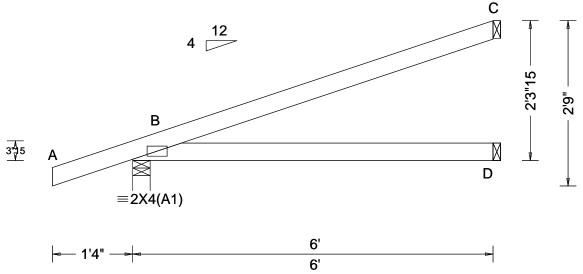
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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6750 Forum Drive Suite 305 Orlando FL, 32821

SEQN: 307116 **EJAC** Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T41 FROM: CDM /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1016.05040 Qty: 2 Truss Label: J07 / YK 03/16/2020



			U		
Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	Wind Criteria Wind Std: ASCE 7-10 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	Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.009 D HORZ(TL): 0.018 D Creep Factor: 2.0 Max TC CSI: 0.474	■ Maximum Reactions (Ib Gravity Loc R+ /R- /Rh B 348 /- /- D 108 /- /- C 155 /- /- Wind reactions based on M B Brg Width = 3.5 D Brg Width = 1.5	Non-Gravity / Rw / U / RL /234 /62 /70 /74 /- /- /70 /50 /- IWFRS Min Req = 1.5
Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "		Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Max TC CSI: 0.474 Max BC CSI: 0.358 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	B Brg Width = 3.5 D Brg Width = 1.5 C Brg Width = 1.5 Bearing B is a rigid surface Members not listed have fo	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 2-3-15.



FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

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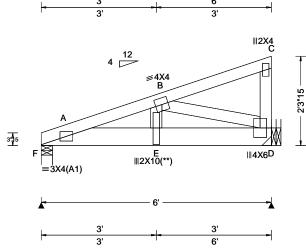
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

6750 Forum Drive Suite 305 Orlando FL, 32821

SEQN: 307117 **EJAC** Ply: 2 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T29 /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1016.10523 FROM: CDM Qty: 1 Page 1 of 2 Truss Label: J08 / YK 03/16/2020

2 Complete Trusses Required



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): 0.023 E 999 240	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.045 E 999 180	F
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.005 C	[
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.010 C	١
NCBCLL: 0.00	TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0	F
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.213	15
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.344	E
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.422	ľ
-	Loc. from endwall: Any	FT/RT:20(0)/10(0)		"
	GCpi: 0.18	Plate Type(s):		₫.
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08	1
Lumbor				-

▲ Max	imur	n React	ions (lbs	5)		
	Gra	avity		No	n-Grav	ity
Loc F	₹+	/ R-	/Rh	/Rw	/ U	/ RL
F 18	351	/-	/-	/-	/299	/-
D 18	329	/-	/-	/-	/294	/-
Wind	reacti	ions bas	ed on MV	VFRS		
F B	rg Wi	idth = 3.5	5	Min Red	q = 1.5	
D B	rg Wi	idth = -		Min Red	7 = -	
Bearin	ıg F is	s a rigid	surface.			
Memb	ers n	ot listed	have for	ces less	than 3	75#
Maximum Top Chord Forces Per Ply (lbs)						
Chord	s Te	ens.Com	p.			
A - B		307 - 19	49			

Lumber

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

Nailnote

Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @ 12.00" o.c. Bot Chord: 2 Rows @ 6.00" o.c. (Each Row) Webs :1 Row @ 4" o.c. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 0.00 to TC: From 61 plf at 61 plf at 6.00 10 plf at 0.00 to 10 plf at 6.00 BC: 1627 lb Conc. Load at 2.06, 4.06

Plating Notes

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

Wind

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

Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 2-3-15.

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

1738

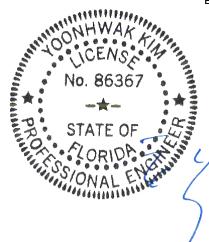
- 274

Maximum Web Forces Per Ply (lbs)

1850 - 290

A - E

Tens. Comp. Webs Tens.Comp. Webs 1107 - 151 B-D 288 - 1826



FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 307117 **EJAC** Ply: 2 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T29 DrwNo: 076.20.1016.10523 FROM: CDM /Heather Inventory Home /ZECHER CONSTRUCTION Qty: 1 Page 2 of 2 Truss Label: J08 / YK 03/16/2020

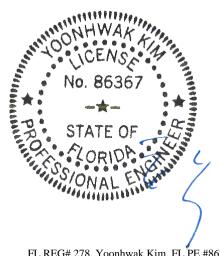
Hangers / Ties

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

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

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

Bearing at location x=5'9" uses the followin support conditions: 5'9"
Bearing D (5'9", 9'1"2) HGUS26-2
Supporting Member: (2)2x6 SP 2400f-2.0E
(20) 0.148"x3" nails into supporting uses the following member. (6) 0.148"x3" nails into supported member.



FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

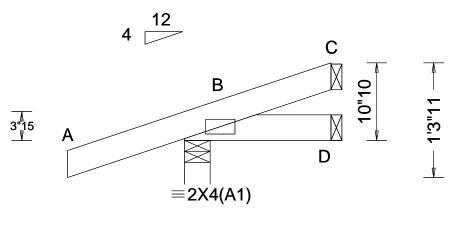
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 307118 **JACK** Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T48 FROM: CDM /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1016.15790 Qty: 7 Truss Label: J09 / YK 03/16/2020





ſ	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)	
	TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 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: Any	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0)	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.000 D HORZ(TL): 0.000 D Creep Factor: 2.0	Gravity Loc R+ /R- /Rh /Rw /U /RL B 208 /- /- /150 /63 /28 D 20 /- /- /23 /8 /- C 12 /- /- /15 /8 /- 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#	_
		GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): WAVE	VIEW Ver: 18.02.01B.0321.08		

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 0-10-10.



FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

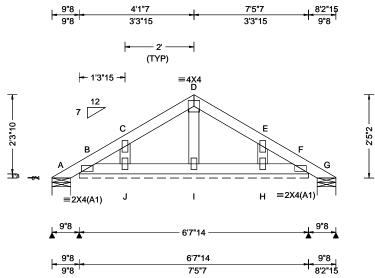
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 307119 COMN Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T32 FROM: CDM /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1016.17207 Qty: 2 Truss Label: PB01 / YK 03/16/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	4
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 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: 15.75 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 6.50 ft GCpi: 0.18 Wind Duration: 1.60	, ,	PP Deflection in loc L/defl L/# VERT(LL): 0.000 D 999 240 VERT(CL): 0.000 D 999 180 HORZ(LL): 0.000 E HORZ(TL): 0.000 E Creep Factor: 2.0	1
Lumber				

▲ M	laxim	um Rea	ctions (I	bs), or *=	:PLF	
	G	avity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Α	25	/-	/-	/38	/23	/62
В*	95	/-	/-	/45	/8	/-
G	37	/-	/-	/15	/3	/-
Wir	nd read	ctions b	ased on I	MWFRS		
Α	Brg V	Vidth =	6.5	Min Re	q = 1.5	5
В	Brg V	Vidth =	79.9	Min Re	q = -	
G	Brg V	Vidth =	6.5	Min Re	$\dot{q} = 1.5$	5
Bearings A, B, & G are a rigid surface.						
	_		ed have f	-		375#

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

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Purlins

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



FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

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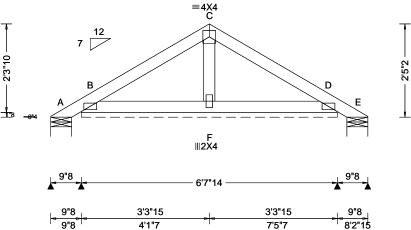
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6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 307120 COMN Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T33 FROM: CDM /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1016.18320 Qty: 11 Truss Label: PB02 / YK 03/16/2020





▲ M	axim	um Rea	ctions (I	bs), or *=	:PLF		
	G	avity		Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
Α	-	/-38	/-	/42	/55	/62	
В*	114	/-	/-	/51	/14	/-	
Е	-	/-38	/-	/17	/24	/-	
Win	d read	ctions b	ased on I	MWFRS			
Α	Brg V	Vidth =	6.5	Min Re	q = 1.5	5	
В	Brg V	Vidth =	79.9	Min Re	q = -		
Е	Brg V	Vidth =	6.5	Min Re	$\dot{q} = 1.5$	5	
Bea	rings	A, B, &	E are a r	igid surfa	ce.		
Mer	nbers	not liste	ed have f	orces less	s than :	375#	

Lumber

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

Plating Notes

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

Loading

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

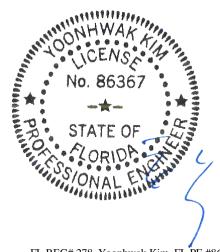
Purlins

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



FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

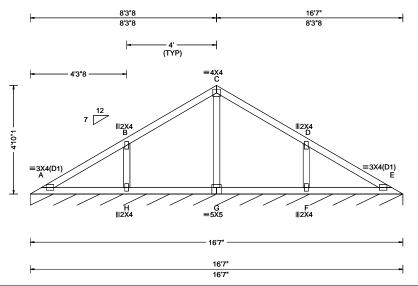
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6750 Forum Drive Suite 305 Orlando FL, 32821

SEQN: 307121 VAL Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T4 FROM: CDM /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1016.19627 Qty: 1 Truss Label: V01 / YK 03/16/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (lbs), 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): 0.006 H 999 240	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.013 H 999 180	E* 83 /- /- /43 /1 /7
BCDL: 10.00	Risk Category: II EXP: C Kzt: NA	Snow Duration: NA	HORZ(LL): 0.002 H	Wind reactions based on MWFRS
Des Ld: 40.00	Mean Height: 15.00 ft		HORZ(TL): 0.005 H	E Brg Width = 199 Min Req = -
NCBCLL: 10.00	TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0	Bearing A is a rigid surface. Members not listed have forces less than 375#
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES		Wellibers not listed have forces less than 375#
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.158	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.114	
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):	\(\(\text{IFW} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08	

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 See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is



FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

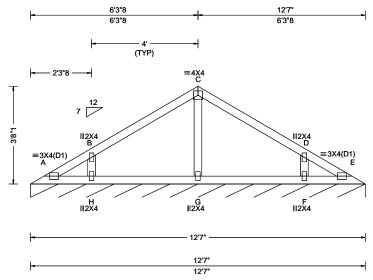
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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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.

6750 Forum Drive Suite 305 Orlando FL, 32821

SEQN: 307122 VAL Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T11 FROM: CDM /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1016.20653 Qty: 1 Truss Label: V02 / YK 03/16/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Ma
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 to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft	, ,	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.001 C 999 240 VERT(CL): 0.001 C 999 180 HORZ(LL): -0.001 B HORZ(TL): 0.001 B Creep Factor: 2.0 Max TC CSI: 0.204 Max BC CSI: 0.117 Max Web CSI: 0.049	Loc E* 8 Wind
	Loc. from endwall: not in 9.00 ft GCpi: 0.18	F1/R1:20(0)/10(0) Plate Type(s):		
	Mean Height: 15.00 ft		Creep Factor: 2.0	Bear
Opusing: 2 no	Loc. from endwall: not in 9.00 ft	', ',		
Lumber	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08	

laximum Reactions (lbs), or *=PLF Gravity Non-Gravity R+ /R /Rw /U /RL 83 /-/-/43 nd reactions based on MWFRS Brg Width = 151 Min Req = aring A is a rigid surface. mbers not listed have forces less than 375#

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 See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is



FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

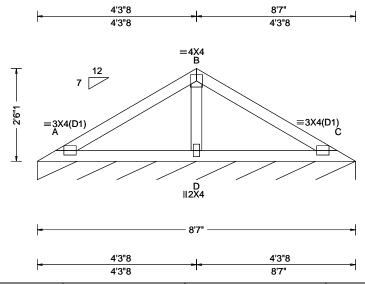
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 307123 VAL Ply: 1 Job Number: 20-4026 Cust: R 215 JRef: 1WTK2150002 T44 FROM: CDM /Heather Inventory Home /ZECHER CONSTRUCTION DrwNo: 076.20.1016.22073 Qty: 1 Truss Label: V03 / YK 03/16/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (lbs), 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): 0.008 D 999 240	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.017 D 999 180	C* 83 /- /- /42 /- /6
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.004 D	Wind reactions based on MWFRS
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.008 D	C Brg Width = 103 Min Req = -
NCBCLL: 10.00	TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0	Bearing A is a rigid surface.
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.249	Members not listed have forces less than 375#
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.199	Maximum Web Forces Per Ply (lbs) Webs Tens.Comp.
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.085	
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		B - D 168 - 428
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08	

Lumber

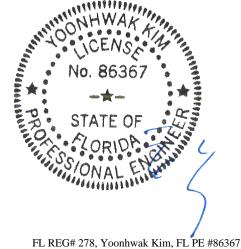
Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

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

Additional Notes

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

The overall height of this truss excluding overhang is



03/16/2020

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6750 Forum Drive Suite 305 Orlando FL, 32821

CLR Reinforcing Member Substitution

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

Notes:

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

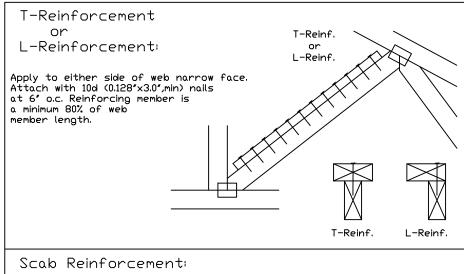
Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type.

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

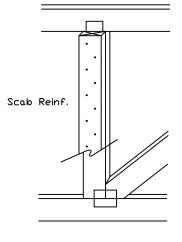
Web Member	Specified CLR	Alternative Reir		
Size	Restraint	T- or L- Reinf.		
2x3 or 2x4	1 row	2×4	1-2×4	
2x3 or 2x4	2 rows	2×6	2-2×4	
2×6	1 row	2×4	1-2×6	
2×6	2 rows	2×6	2-2×4(*)	
2×8	1 row	2×6	1-2×8	
2×8	2 rows	2×6	2-2×6(*)	

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

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



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



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Maryland Heights, MO 63043

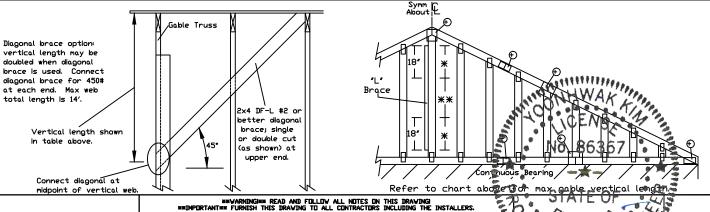
Gable Stud Reinforcement Detail

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 mph wind Speed, 15' Mean Height,						Height, Partially Enclosed, Exposure 11, KZt = 1.00				,					
		2x4 Vertica	Brace	No	(1) 1×4 *L	" Brace *	(1) 2×4 *L	." Brace *	(2) 2x4 *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 ″	8′ 10 ″	10′ 1″	10′ 6″	13′ 4″	13′ 10″	14′ 0″	14′ 0″]
D	Ų	HF	Stud	4′ 1″	6′ 7 ″	7′ 0″	8′ 6 ″	8′ 10 ″	10′ 1″	10′ 6″	13′ 4″	13′ 10″	14′ 0″	14′ 0″	1
ļ			Standard	4′ 1″	5′ 8 ″	6′ 0 ″	7′ 7″	8′ 1 ″	10′ 1″	10′ 6 ″	11′ 10 ″	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 ″	8′ 11 ″	10′ 3″	10′ 8″	13′ 6 ″	14′ 0″	14′ 0″	14′ 0″	╛
	4	l	#3	4′ 2″	6′ 0″	6′ 4″	7′ 11″	8′ 6″	10′ 2″	10′ 7″	12′ 5 ″	13′ 4″	14′ 0″	14′ 0″	╛
g		IDFL	Stud	4′ 2″	6′ 0 ″	6′ 4″	7′ 11″	8′ 6 ″	10′ 2″	10′ 7″	12′ 5 ″	13′ 4″	14′ 0″	14′ 0″	╛
			Standard	4′ 0″	5′ 3 ″	5′ 7 ″	7′ 0 ″	7′ 6″	9′ 6″	10′ 2″	11′ 0″	11′ 10″	14′ 0″	14′ 0″	╛
<u> </u>	0,0	SPF	#1 / #2	4′ 11″	8′ 4″	8′ 8 ″	9′ 10 ″	10′ 3″	11′ 8″	12′ 2″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
1			#3	4′ 8″	8′ 1 ″	8′ 8 ″	9′ 8″	10′ 1″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	╛
<u> </u>			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		' ''	Standard	4′ 8″	6′ 11 ″	7′ 5 ″	9′ 3″	9′ 11″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	╛
	_		#1	5′ 1 ″	8′ 5″	8′ 9 ″	9′ 11 ″	10′ 4″	11′ 10″	12′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
		SP	#2	4′ 11″	8′ 4″	8′ 8 ″	9′ 10 ″	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″	8′ 7″	9′ 2″	11′ 7″	12′ 1″	13′ 6″	14′ 0″	14′ 0″	14′ 0″	4
abl		SPF	#1 / #2	5′ 5 ″ 5′ 1 ″	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 ″ 9′ 8 ″	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 ″ 9′ 0 ″	10′ 10″	11′ 3 ″ 11′ 2 ″	12' 11 "	13′ 5 ″ 13′ 4 ″	14′ 0″ 14′ 0″	14′ 0″	14′ 0″	14′ 0″ 14′ 0″	4
Μ Q	$ \alpha $	וחתן	#3									14′ 0″	14′ 0″		4
	<u> </u>	DFL	Stud	5′ 3″	8′ 5 ′	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″	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.

Vertical Length	
vertical Length	No Splice
	1X4 or 2X3
Greater than 4' 0"	3X4

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

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



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.

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

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

Provide connections for uplift specified on the engineered truss design.

Attach each "T" reinforcing member with

End Driven Nails:

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

(4) nails in the top and bottom chords.

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

(4) 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

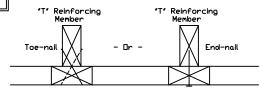
A18015ENC100118, A12015ENC100118, A12015ENC100118, A12015ENC100118, A120015ENC100118, A120015ENC100118, A120015ENC100118, A120015ENC100118, A12003ENC100118, A12003ENC100118, A120030ENC100118, A120030ENC100118,

\$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 gable vertical length is 14' from top to bottom chord.

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

Web Length Increase w/ "T" Brace

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

Example:

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

"T" Reinforcing Member Size = 2x4

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

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

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

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For more information see this job's general notes page and these web sites/16/2020 ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.org; ICC: www.lcBafkaeg.# 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



Rigid Sheathing

Ceiling

4 Nails

Nails

Spaced At

4 Nails

Reinforcing

Member

Gable

Truss

13723 Riverport Drive Suite 200 Maryland Heights, MO 63043

NAIL SPACING DETAIL

MINIMUM SPACING FOR SINGLE BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

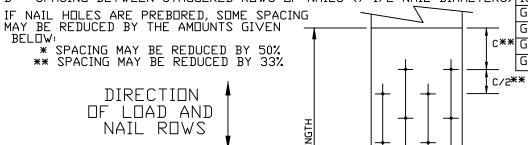
BLOCK LOCATION, SIZE, LENGTH, GRADE AND TOTAL NUMBER AND TYPE OF NAILS ARE TO BE SPECIFIED ON SEALED DESIGN REFERENCING THIS DETAIL

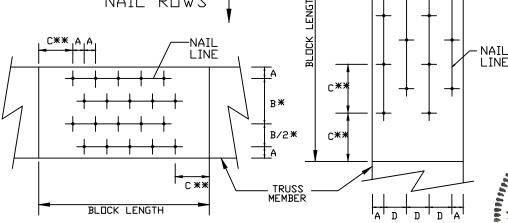
LOAD PERPENDICULAR TO GRAIN

- A EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
- B SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
- C END DISTANCE (15 NAIL DIAMETERS)

LOAD PARALLEL TO GRAIN

- A EDGE DISTANCE (6 NAIL DIAMETERS)
- C SPACING OF NAILS IN A ROW AND END DISTANCE (15 NAIL DIAMETERS)
- D SPACING BETWEEN STAGGERED ROWS OF NAILS (7 1/2 NAIL DIAMETERS





LOAD APPLIED PERPENDICULAR TO GRAIN

majippurtantam furnish this Drawing to all contractures including the installers.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to analyticities prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheating and botton chord shall have a property attached placetings about for permanent lateral restraint of webs shall have properly attached structural sheating and botton chord shall have a property attached placetings shown for permanent lateral restraint of webs of truss and position as shown above and on the Joint Details, unless noted otherwise.

Refer to analysis of the shall have properly attached structural sheating and botton chord shall have a properly attached in the shall be shall WAS ONAL IN

Never to arawings 1808-2 for standard plate positions.

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Suite 200 Maryland Heights, MO 63043

13723 Riverport Drive

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MINIMUM NAIL SPACING DISTANCES

		DIS	TANCES		
	NAIL TYPE	Ъ	Вж	C**	D
	8d BOX (0.113"X 2.5",MIN)	3/4"	1 3/8"	1 3/4"	7/8"
-'	10d BOX (0.128"X 3.",MIN)	7/8"	1 5/8"	2"	1"
	12d BOX (0.128"X 3.25",MIN)	7/8"	1 5/8"	2"	1"
	16d BOX (0.135"X 3.5",MIN)	7/8"	1 5/8"	2 1/8"	1 1/8"
	20d BOX (0.148"X 4.",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
	8d COMMON (0.131"X 2.5",MIN)	7/8"	1 5/8"	2"	1"
	10d C□MM□N (0.148"X 3.",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
)	12d COMMON (0.148"X 3.25",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
(2	16d COMMON (0.162"X 3.5",MIN)	1'	2"	2 1/2"	1 1/4"
	GUN (0.120"X 2.5",MIN)	3/4"	1 1/2"	1 7/8"	1"
	GUN (0.131"X 2.5",MIN)	7/8"	1 5/8"	۵ "	1"
€Ж	GUN (0.120"X 3.",MIN)	3/4"	1 1/2"	1 7/8"	1"
	GUN (0.131"X 3.",MIN)	7/8"	1 5/8"	2"	1"

LOAD APPLIED PARALLEL TOSGRAIN

REF NAIL SPACE DATE 10/01/14 DRWG CNNAILSP1014

03/16/2020 FL REG# 278, Yoonhwak Kim, FL PE #86367

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

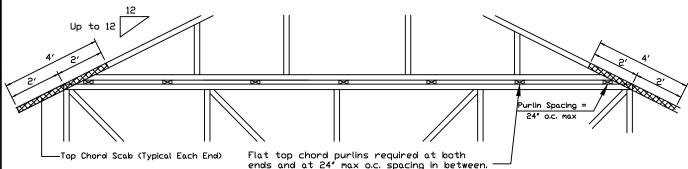
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0. Dr 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

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.

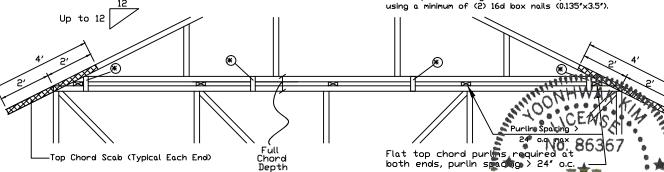
Attach purlin bracing to the flat top chord using (2) 16d box nails (0.135"x3.5").

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.

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 of th

Alpine, a division of ITW Building Conponents 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.

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

SPACING. 24.0"

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Valley Detail - ASCE 7-10: 160 mph, 30' Mean Height, Enclosed, Exp. C, Kzt=1.00

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

Bot Chord 2x4 SP #2N or SPF #1/#2 or better.

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

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

Dr
ASCE 7-10 140 mph. 30' Mean Height, Enclosed
Building, Exp. D, Wind TC DL=5 psf, Kzt = 1.00

Bottom chord may be square or pitched cut as shown.

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

All plates shown are ITW BCG Wave Plates.

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

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

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Purlins at 24" o.c. or as otherwise specified on engineer's sealed design $\mbox{ \ \, \square r}$

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

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

