



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: 20-4025

Job Description: /Turner-Gomez /ZECHER CONSTRUCTION

Address: FL

Job Engineering Criteria:					
Design Code: FBC 2017 RES	IntelliVIEW Version: 18.02.01B				
	JRef #: 1WTM2150005				
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, 42 truss drawing(s) and 6 detail(s).

Item	Drawing Number	Truss
1	076.20.1209.06594	A01
3	076.20.1209.06048	A03
5	076.20.1308.08687	A04
7	076.20.1308.12750	A06
9	076.20.1308.16950	A08
11	076.20.1209.06252	A10
13	076.20.1209.06641	A12
15	076.20.1209.06235	B02
17	076.20.1209.06626	C01
19	076.20.1209.06579	C03
21	076.20.1209.06484	C05
23	076.20.1209.06019	D02
25	076.20.1209.06469	D04
27	076.20.1209.06346	E02
29	076.20.1209.06298	J02
31	076.20.1209.06018	J04
33	076.20.1209.06516	V01
35	076.20.1209.06548	V03
37	076.20.1209.06251	V05
39	076.20.1209.06079	PB02
41	076.20.1308.38930	PB03
43	A14015ENC101014	
45	BRCLBSUB0119	
47	PB160101014	

Item	Drawing Number	Truss
2	076.20.1209.06407	A02
4	076.20.1209.06299	A03A
6	076.20.1308.10570	A05
8	076.20.1308.15020	A07
10	076.20.1308.35437	A09
12	076.20.1209.06158	A11
14	076.20.1209.06656	B01
16	076.20.1209.06532	B03
18	076.20.1209.06345	C02
20	076.20.1209.06188	C04
22	076.20.1209.06376	D01
24	076.20.1209.06020	D03
26	076.20.1209.06125	E01
28	076.20.1209.06610	J01
30	076.20.1209.06064	J03
32	076.20.1209.06377	J05HJ
34	076.20.1209.06563	V02
36	076.20.1209.06470	V04
38	076.20.1209.06033	PB01
40	076.20.1209.06141	PB04
42	076.20.1308.59427	FLT01
44	A14030ENC101014	
46	GBLLETIN0118	
48	VAL160101014	

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.

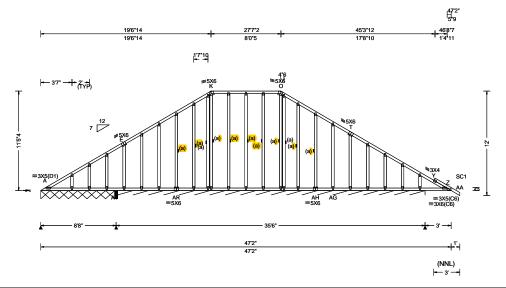
Refer to ASCE-7 for Wind and Seismic abbreviations.

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.

SEQN: 307036 / GABL Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T17 / FROM: CDM /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1209.06594 Qty: 1 Page 1 of 2 Truss Label: A01 / YK 03/16/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	T
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): 0.067 AB 536 360	o
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.141 AB 255 240	o
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.018 X	
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 16.04 ft		HORZ(TL): 0.038 X	
NCBCLL: 10.00	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: 0.366	
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.232	
Spacing: 24.0 "	C&C Dist a: 4.72 ft	Rep Fac: Yes	Max Web CSI: 0.145	
	Loc. from endwall: Any	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		4
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08	1
Lumber				_

▲ Maximum Reactions (lbs), or *=PLF							
	Gı	ravity		No	n-Grav	ity	
Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL	
Α*	72	/-	/-	/50	/-	/10	
AY:	27	/-	/-	/18	/-	/-	
AY*	98	/-	/-	/61	/-	/-	
Α		/-103					
Win	d reac	tions bas	sed on MV	VFRS			
Α	Brg W	idth = 10	02	Min Re	q = -		
ΑY	Brg W	idth = 4.	.0	Min Re	q = 1.5		
ΑY	Brg W	idth = 42	24	Min Re	q = -		
Bea	rings <i>F</i>	A, AY, &	AY are a	rigid su	rface.		
Members not listed have forces less than 375#							
Maximum Top Chord Forces Per Ply (lbs)							
Cho	rds T	ens.Com	np. Ch	ords	Tens.	Comp.	

nioius	16113.0	onip.	Cilorus	i ciis. C	Jonnp.	
\ - E ∃ - K			O - T T - Y	-	- 238 - 243	

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

A -AR 556 - 686

Bracing

(a) Continuous lateral restraint equally spaced on member

Plating Notes

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

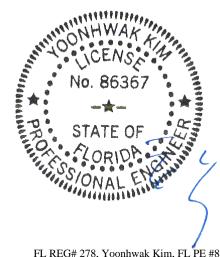
All plates are 2X4 except as noted.

Loading

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

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

Right cantilever is exposed to wind



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 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.



SEQN: 307036 / GABL Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T17 / FROM: CDM /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1209.06594 Qty: 1 Page 2 of 2 Truss Label: A01 / YK 03/16/2020

Additional Notes

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

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

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

The overall height of this truss excluding overhang is 11-5-4.



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

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

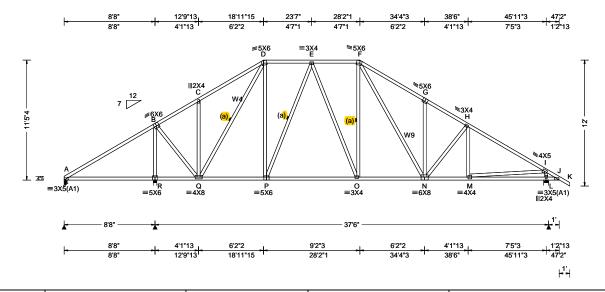
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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.





SEQN: 307037 / COMN Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T16 / FROM: CDM /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1209.06407 Qty: 2 Truss Label: A02 / YK 03/16/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.086 G 999 360	١.
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.177 G 999 240	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.027 D	
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 16.04 ft		HORZ(TL): 0.057 L	
NCBCLL: 10.00	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: 0.853	
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.776	
Spacing: 24.0 "	C&C Dist a: 4.72 ft	Rep Fac: Yes	Max Web CSI: 0.988	
	Loc. from endwall: Any	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		ļ
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08	l
Lumber				•

▲ N	▲ Maximum Reactions (lbs)							
	G	ravity		No	n-Grav	vity		
Loc	: R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
Α	420	/-	/-	/182	/67	/395		
R	1935	/-	/-	/1199	/297	/-		
L	1718	/-	/-	/1108	/281	/-		
Wir	nd read	tions ba	ased on I	MWFRS				
Α	Brg V	/idth = 3	3.5	Min Re	q = 1.5	;		
R	Brg V	/idth = -	4.0	Min Re	q = 1.9)		
L	Brg V	/idth = :	5.7	Min Re	q = 1.7	•		
Bea	Bearings A, R, & L are a rigid surface.							
Members not listed have forces less than 375#								
Ma	Maximum Top Chord Forces Per Ply (lbs)							
Cho	ords T	ens.Co	mp.	Chords	Tens.	Ćomp.		

B - C 766 - 2004 388 - 960 C-D 506 - 958 G-H 636 - 1982 572 - 1061 611 - 2241 D-E H - I F-F 631 - 1303

Top chord: 2x4 SP #2;

(a) Continuous lateral restraint equally spaced on member.

Wind

Wind loads based on MWFRS with additional C&C

Right cantilever is exposed to wind

Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; W4,W9 2x4 SP #2;

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.

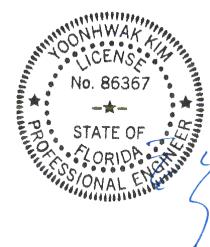
The overall height of this truss excluding overhang is 11-5-4



Q-P 1045 N - M 1830 - 376 P - O 1228 - 87 M - I 523 - 141 O - N 1303 - 107 L-J 390 - 97

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

Webs	Tens.Cor	np.	Webs	Tens.	Comp.
R - B	477 - 1	720	P - E	117	- 483
B - Q	1230 -	163	F-N	708	- 345
Q - D	0 -	668	M - I	1406	- 305
D - P	615	- 84	I-L	537	- 1556



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

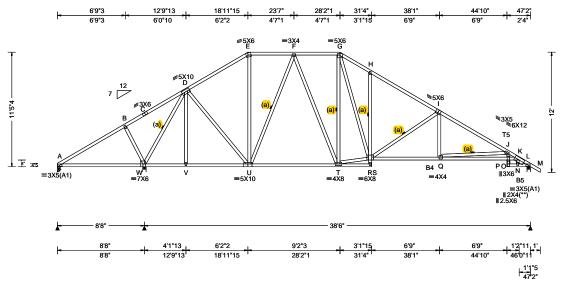
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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 SEQN: 307038 / COMN Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T41 / FROM: CDM /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1209.06048 Qty: 3 Truss Label: A03 / 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): 0.171 Q 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.353 Q 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.106 N
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.220 N
NCBCLL: 10.00	Mean Height: 16.04 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: 0.844
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.770
Spacing: 24.0 "	C&C Dist a: 4.72 ft	Rep Fac: Yes	Max Web CSI: 0.942
	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	•		

	▲ Maximum Reactions (lbs)							
۱		G	ravity		No	n-Grav	/ity	
ار	Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL	
)	Α	164	/-250	/-	/15	/29	/395	
۱	W	2469	/-	/-	/1451	/405	/-	
۱	L	1581	/-	/-	/1011	/260	/-	
	Win	d read	tions ba	sed on	MWFRS			
	Α	Brg V	Vidth = 3	3.5	Min Re	q = 1.5	;	
	W	Brg V	Vidth = 4	1.0	Min Re	q = 2.9)	
	L	Brg V	Vidth = 4	1.0	Min Re	q = 1.5	;	
۱	Bearings A, W, & L are a rigid surface.							
	Mer	nbers	not liste	d have t	forces less	than 3	375#	
4	Max	cimun	Top C	hord Fo	rces Per	Ply (lb:	s)	
	Cho	ords 7	ens.Co	mp.	Chords	Tens.	Ćomp.	

Top chord: 2x4 SP #2; T5 2x4 SP M-31; Bot chord: 2x4 SP #2; B4,B5 2x4 SP M-31; Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

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

Wind

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

Additional Notes

Refer to General Notes for additional information

Negative reaction(s) of -250# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

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

The overall height of this truss excluding overhang is 11-5-4.

Chords	Tens.Comp.	Chords	Tens. Comp.
A - B B - C	776 - 163 789 - 111	G-H H-I	717 - 1881 596 - 1941
C-D	916 - 99	I - J	718 - 2697
D-E E-F	437 - 1113 513 - 874	J-K K-L	1189 - 4490 260 - 803
F-G	603 - 1224		

Maximum Bot Chord Forces Per Ply (lbs)

Choras	rens.comp.		Choras	rens.	Comp.
A - W	256	- 621	R-Q	2237	- 460
W - V	492	- 210	Q - O	4011	- 1035
V - U	492	- 210	O - K	4051	- 1036
U - T	1106	- 47	N - L	390	- 98

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B - W W - D	230 - 394 523 - 2228	G-R R-I	1207 - 415 320 - 797
D - U	782 - 78	I-Q	456 - 40
U - F	171 - 631	Q - J	576 - 1769
F-T	378 - 133	P - O	569 - 130
.T - G	109 <i>-</i> 447	J - O	576 - 78
T - R	1233 - 63	N - K	285 - 1164

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

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

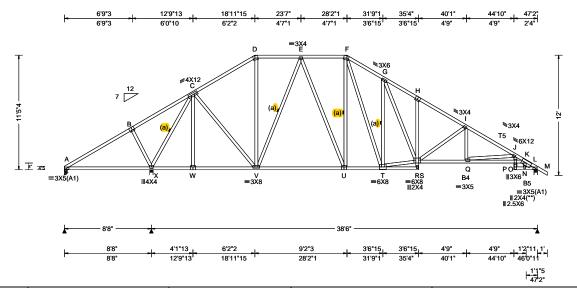
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 307039 / COMN Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T3 / FROM: CDM /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1209.06299 Qty: 1 Truss Label: A03A / YK 03/16/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reaction
Coading 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: 16.04 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 4.72 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): 0.173 H 999 360 VERT(CL): 0.358 H 999 240 HORZ(LL): 0.096 N HORZ(TL): 0.199 N Creep Factor: 2.0	Gravity Loc R+ /R- /R
Lumber Top chord: 2x4 SP #2: 1	F5 2x4 SP M-31:			A - B 727 - 95 B - C 867 - 47

Bot chord: 2x4 SP #2; B4,B5 2x4 SP M-31; Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 5X6 except as noted.

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

Wind

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

Additional Notes

Refer to General Notes for additional information

Negative reaction(s) of -225# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

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

The overall height of this truss excluding overhang is 11-5-4.

ons (lbs)

	Gravity				Non-Gravity			
)	Loc	: R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
)	Α	177	/-225	/-	/8	/18	/395	
	Х	2437	/-	/-	/1441	/396	/-	
	L	1587	/-	/-	/1015	/261	/-	
	Wind reactions based on MWFRS							
	Α	Brg V	/idth = 3	3.5	Min Re	q = 1.5	i	
	Х	Brg V	/idth = 4	1.0	Min Re	q = 2.5	i	
	L	Brg V	/idth = 4	1.0	Min Re	q = 1.5	;	
	Bearings A, X, & L are a rigid surface.							
	Members not listed have forces less than 375#							
_	Maximum Top Chord Forces Per Ply (lbs)							
	Ch	ords T	ens.Co	mp.	Chords	Tens.	Comp.	

A - B	727 - 95	G-H	568	- 2280
B - C	867 - 47	H-I	496	- 2326
C - D	348 - 1130	I - J	562	- 2925
D-E	414 - 889	J - K	813	- 4387
E-F	477 - 1232	K-L	209	- 806
F-G	529 - 1763			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	Comp.	Chords	Tens. (Comp.
A - X	253	- 580	R - Q	2461	- 365
X - W	500	- 204	Q - O	3894	- 670
W - V	500	- 203	0 - K	3930	- 672
V - U	1117	- 18	N - L	396	- 69
II T	1225	40			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B - X	185 - 390	G-R	1153 - 252
X - C	346 - 2192	R-I	183 - 644
C - V	765 - 38	I - Q	380 - 31
V - E	135 - 621	Q - J	321 - 1431
E - U	377 - 134	P-0	577 - 92
F-T	775 - 259	J-0	519 -60
T - G	277 - 1026	N - K	204 - 1183
T-R	1468 - 115		

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

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

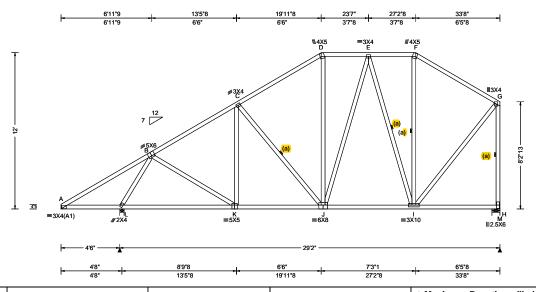
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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.

6750 Forum Drive Suite 305 Orlando FL, 32821

SEQN: 307429 COMN Ply: 1 Job Number: 20-4025 FROM: CDM /Turner-Gomez /ZECHER CONSTRUCTION Qty: 1

Cust: R 215 JRef: 1WTM2150005 T48 DrwNo: 076.20.1308.08687 Truss Label: A04 / YK 03/16/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA	, ,	PP Deflection in loc L/defl L/# VERT(LL): 0.031 J 999 360 VERT(CL): 0.064 J 999 240 HORZ(LL): 0.013 C - HORZ(TL): 0.026 C -
Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.37 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Creep Factor: 2.0 Max TC CSI: 0.785 Max BC CSI: 0.440 Max Web CSI: 0.734 VIEW Ver: 18.02.01B.0321.08
Lumber	Wind Duration: 1.60	WAVE	VIEW Vel. 16.02.01B.0321.06

▲ Maximum Reactions (lbs)							
G	avity		Non-Gravity				
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
L 1625	/-	/-	/1105	/208	/249		
M 1175	/-	/-	/615	/235	/-		
Wind read	ctions b	ased on	MWFRS				
L Brg V	Vidth =	4.0	Min Re	q = 1.5	;		
M Brg V	Vidth =	7.3	Min Re	q = 1.5	;		
Bearings	L&Ma	re a rigio	d surface.				
Members	not liste	ed have	forces less	than 3	375#		
Maximun	n Top C	hord Fo	orces Per	Ply (lb:	s)		
Chords 7	Tens.Co	mp.	Chords	Tens.	Comp.		
А-В	490	- 273	D-E	327	- 725		
B-C	302 -	1141	E-F	261	- 533		
C - D	322	- 947	F-G	243	- 704		

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

Top chord: 2x4 SP #2;

Bracing (a) Continuous lateral restraint equally spaced on

Wind

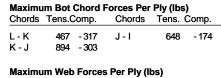
Wind loads based on MWFRS with additional C&C

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Additional Notes

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



Webs Tens. Comp. Webs Tens.Comp. L-B 420 - 1635 1 - G 833 - 211 B - K 502 - 29 G - H 338 - 1123 E - I 139 - 409



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

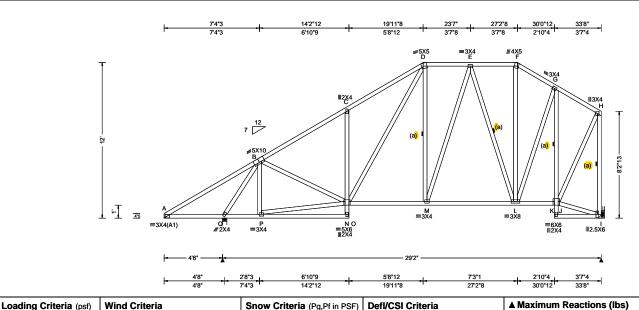
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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 SEQN: 307431 COMN Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T31 /Turner-Gomez /ZECHER CONSTRUCTION FROM: CDM Qty: 3 DrwNo: 076.20.1308.10570 Truss Label: A05 / YK 03/16/2020



Loading Criteria (psf)	wind Criteria	Snow Criteria (Pg,Pf in PSF)	Deti/CSi Criteria	4
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): 0.044 C 999 360	<u>ا</u> ا
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.092 C 999 240	10
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.023 C	ı
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.047 C	١
NCBCLL: 0.00	TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0	9
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.869	!
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.395	E
Spacing: 24.0 "	C&C Dist a: 3.37 ft	Rep Fac: Yes	Max Web CSI: 0.859	ľ
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		1
	GCpi: 0.18	Plate Type(s):		45
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08	1:
Lumber				⊒ لـ ر

Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL 1625 /-/1105 /207 /249 1175 /-/614 /234 Wind reactions based on MWFRS Brg Width = 4.0Min Rea = 1.5Brg Width = -Min Reg = -Bearing Q is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. - 563 B - C 361 - 1297 F-G 288 - 701 C-D 491 - 1283 G-H 175 - 524

342 - 790

558 - 322

794 - 219

Chords Tens.Comp.

Maximum Bot Chord Forces Per Ply (lbs)

Chords

M - L

L-J

Tens. Comp.

- 192

- 113

712

420

D-E

Q-P

N - M

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

Bracing

(a) Continuous lateral restraint equally spaced on

Hangers / Ties

(J) Hanger Support Required, by others

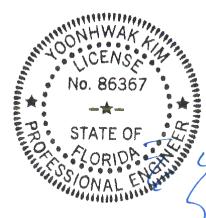
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 12-0-0.



Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. Q-B - 484 382 - 1746 E-L 171 B - N 510 - 69 L-G 441 -80 P - N 544 - 316 G-J 218 - 735 C - N 193 - 400 J - H - 242 904 N - D - 1137 466 - 254 333

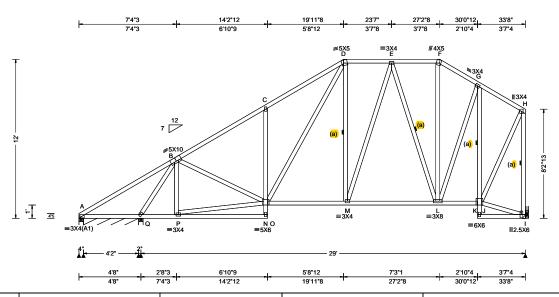
FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

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.

SEQN: 307433 COMN Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T22 FROM: CDM /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1308.12750 Qty: 1 Truss Label: A06 / 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): 0.045 C 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.094 C 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.022 C
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.046 C
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: 0.762
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.398
Spacing: 24.0 "	C&C Dist a: 3.37 ft	Rep Fac: Yes	Max Web CSI: 0.822
' "	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08
Lumber			

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /Rw /U /RL /74 /65 /249 43 /34 /11 /-Q 1452 /-/936 /273 1186 /-/622 /223 Wind reactions based on MWFRS Brg Width = 4.0 Min Req = 1.5 Brg Width = 50.0 Min Req = -Brg Width = 4.0 Min Req = 1.5Q Brg Width = -Min Req = Bearings A, A, & Q are a rigid surface.

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

A - B	406 - 196	E-F	256	- 570
B-C	318 - 1331	F-G	278	- 709
C - D	446 - 1321	G-H	169	- 529
D - E	324 - 804			

Chords

Tens. Comp.

- 178

- 107

Plating Notes

Bracing

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

All plates are 2X4 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

(a) Continuous lateral restraint equally spaced on

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



A - Q M - L 723 Q - P 620 - 233 424 N - M 808 - 200

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp.

Maximum Web Forces Per Ply (lbs)

Tens.Comp.	webs	Tens. Comp.
400 - 1670	E-L	155 - 496
477 -86	L-G	448 - 72
607 - 227	G-J	207 - 744
195 - 408	J - H	913 - 229
502 - 211	H - I	319 - 1149
	400 - 1670 477 - 86 607 - 227 195 - 408	400 - 1670 E - L 477 - 86 L - G 607 - 227 G - J 195 - 408 J - H

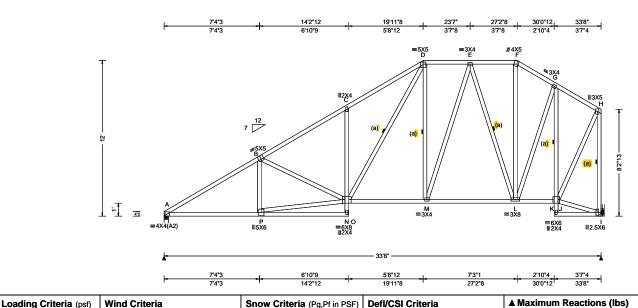
FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

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.

SEQN: 307435 COMN Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T39 FROM: CDM Qty: 1 /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1308.15020 Truss Label: A07 / 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/#	١.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.105 C 999 360	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.218 C 999 240	lΑ
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.043 I	1
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.090 I	V
NCBCLL: 0.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0	I A
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.633	Ϊ́
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.634	B
Spacing: 24.0 "	C&C Dist a: 3.37 ft	Rep Fac: Yes	Max Web CSI: 0.999	ľ
	Loc. from endwall: not in 9.00 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	ΙÃ
Lumbor		•		J B

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on

Hangers / Ties

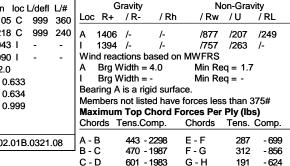
(J) Hanger Support Required, by others

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

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 12-0-0.



386 - 1065

Chords	Tens.Comp.	Chords	Tens. Comp.	
A - P	1894 - 527	M - L	919	- 224
N - M	1076 - 263	L-J	507	- 126

Maximum Web Forces Per Ply (lbs)

webs	rens.comp.		webs	i ens.	Comp.
P - N	1874	- 522	L-G	585	- 103
C - N	193	- 406	G - J	244	- 899
N - D	1127	- 358	J - H	1092	- 271
M - E	491	- 118	H-I	367	- 1356
E-L	207	- 714			



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

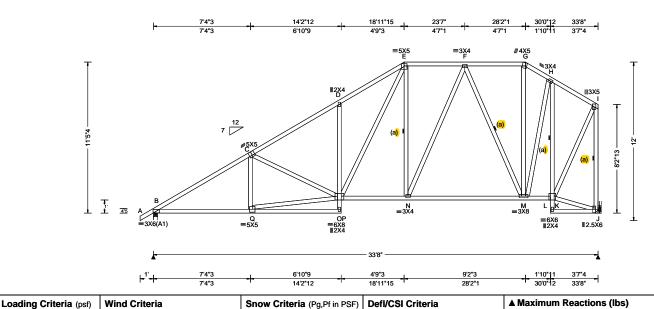
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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 SEQN: 307437 COMN Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T32 FROM: CDM /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1308.16950 Qty: 1 Truss Label: A08 / 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/#	١.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.102 D 999 360	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.212 D 999 240	E
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.044 J	J
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.090 J	۷
NCBCLL: 0.00	TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0	E
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.590	J
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.616	15
Spacing: 24.0 "	C&C Dist a: 3.37 ft	Rep Fac: Yes	Max Web CSI: 0.827	ľ
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		ľ
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08	E
Lumber				- C

Loc R+ /Rh /Rw /U /RL 1475 /-/934 /225 /245 1392 /750 /265 /-Wind reactions based on MWFRS Brg Width = 4.0Min Rea = 1.7Brg Width = -Min Reg = -Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords B - C C - D -658 475 - 1979 G-H 293 - 791 D-E 594 - 1958 H - I 194 -624

Non-Gravity

Gravity

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

Bracing

(a) Continuous lateral restraint equally spaced on

Hangers / Ties

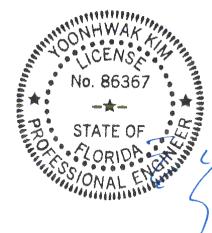
(J) Hanger Support Required, by others

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

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 11-5-4.



Ē-F	396	- 1144		.01	Œ.
			Forces Per Chords		•
B - Q O - N	1885 1153	- 530 - 291	N - M M - K	971 504	- 248 - 129
Maximum Web Forces Per Ply (lbs)					

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
Q - O	1859	- 526	М - Н	656	- 114
O - E	1046	- 340	H - K	237	- 923
N-F	444	- 99	K-I	1089	- 276
F-M	232	- 782	I - J	374	- 1355

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

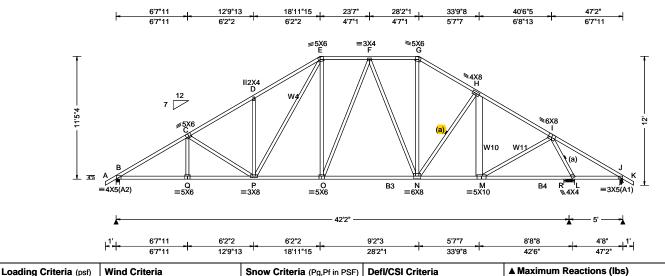
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

SEQN: 307441 COMN Ply: 2 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T45 /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1308.35437 FROM: CDM Qty: 1 Truss Label: A09 / YK 03/16/2020





(po.,	
TCLL: 20.00	Wind Std: ASCE 7-10
TCDL: 10.00	Speed: 130 mph
BCLL: 0.00	Enclosure: Closed
BCDL: 10.00	Risk Category: II
Des Ld: 40.00	EXP: C Kzt: NA
	Mean Height: 15.00 ft
NCBCLL: 0.00	TCDL: 5.0 psf
Soffit: 2.00	BCDL: 5.0 psf
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2
Spacing: 24.0 "	C&C Dist a: 4.72 ft
	Loc. from endwall: not in 9.00 ft
	GCpi: 0.18
	Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF) Ct: NA CAT: NA Pg: NA Pf: NA Ce: NA VERT(LL): 0.144 F 999 360 Lu: NA Cs: NA Snow Duration: NA S

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

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

(,		
VERT(CL): 0.291 F	999	240
HORZ(LL): 0.063 L	-	-
HORZ(TL): 0.128 L	-	-
Creep Factor: 2.0		
Max TC CSI: 0.890		
Max BC CSI: 0.911		
Max Web CSI: 0.801		
VIEW Ver: 18.02.01B	.0321	.08

R 7093 /-Wind reactions based on MWFRS

Gravity

/R

Loc R+

В 3067

В	Brg Width = 4.0	Min Req = 1.8
R	Brg Width = 12.0	Min Req = 2.9
J	Brg Width = 3.5	Min Req = 1.5

/Rh

/-

Non-Gravity

/RL

/-

/1444 /-

/Rw /U

/-

/143

Bearings B, R, & 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	477 - 2671	F-G	390	- 2308
C - D	440 - 2464	G-H	468	- 2701
D - E	442 - 2470	H - I	682	- 4012
F-F	323 - 1888			

W10 2x8 SP 2400f-2.0E;

Lumber

Bracing (a) Continuous lateral restraint equally spaced on member

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; B3,B4 2x4 SP M-31; Webs: 2x4 SP #3; W4,W11 2x4 SP #2;

Nailnote

Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @11.00" o.c. Webs : 1 Row @ 4" o.c. Use equal spacing between rows and stagger nails

in each row to avoid splitting.

Special Loads

----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 63 plf at 5 plf at -1.00 to 63 plf at 5 plf at 48.17 BC: From -1.00 to 0.00 BC: From 20 plf at 0.00 to 20 plf at 47.17 BC: From 5 plf at 47.17 to 5 plf at 48.17 BC: 6102 lb Conc. Load at 33.79

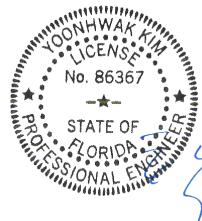
Wind loads and reactions based on MWFRS.

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 maximum concentrated load is 6102#

The overall height of this truss excluding overhang is



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	comp.	Chords	Tens. (Comp.
B-Q	2257	- 394	O - N	2117	- 367
Q - P	2257	- 394	N - M	3288	- 552
P - O	1871	- 322	M - L	1485	- 188

Maximum Web Forces Per Ply (lbs)

vvebs	rens.c	omp.	webs	i ens.	Comp.
P-E	446	- 85	N - H	287	- 1747
E - O	648	- 67	H - M	1897	- 261
0 - F	120	- 636	M - I	2246	- 444
F-N	515	- 64	I-L	846	- 3912
N - G	1175	- 165			

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

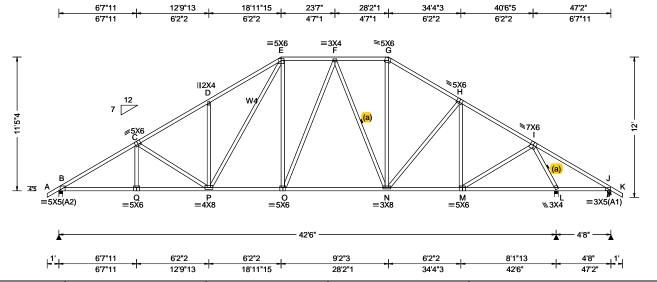
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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.

6750 Forum Drive Suite 305 Orlando FL, 32821

SEQN: 307046 / COMN Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T40 / FROM: CDM /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1209.06252 Qty: 2 Truss Label: A10 / YK 03/16/2020



TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	VERT(LL): 0.187 D 999 360 VERT(CL): 0.337 D 999 240 HORZ(LL): 0.073 L HORZ(TL): 0.132 L	
NCBCLL: 10.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 16.04 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.72 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Creep Factor: 2.0 Max TC CSI: 0.821 Max BC CSI: 0.871 Max Web CSI: 0.838 VIEW Ver: 18.02.01B.0321.08	Wi B L J Be Me

▲ Maximum Reactions (Ibs)			
ty			
/RL			
/406			
/-			
/-			
75#			
)			
Ćomp.			
,			

F-N

152 - 436

Webs: 2x4 SP #3; W4 2x4 SP #2;

Lumber

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

Loading Criteria (psf)

TCLL:

20.00

Wind Criteria

Wind Std: ASCE 7-10

(a) Continuous lateral restraint equally spaced on

Loading

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

Wind

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

Additional Notes

Refer to General Notes for additional information

Negative reaction(s) of -319# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

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

The overall height of this truss excluding overhang is 11-5-4.

B-C	576 - 3450	F-G	517	- 1755
C - D	544 - 2972	G - H	470	- 2123
D-E	671 - 2981	H - I	412	- 2049
E-F	550 - 1976	I - J	1055	- 107

- 2946

462

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - Q 2888 - 390 N - M 1694 - 138 Q - P 2886 - 391 M - I 483 -53 P - 0 1971 - 105 163 - 814 L-J O - N 1916 - 105

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. C-P 170 - 477 N - G 672 - 133 D-P 184 - 405 H - M - 496 78 P - E 1417 1056 - 292 M - I - 98

1 - L



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

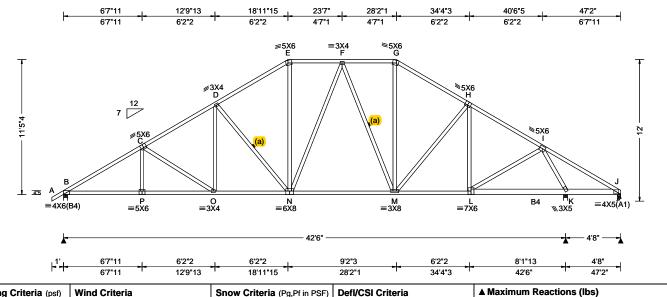
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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.

6750 Forum Drive Suite 305 Orlando FL, 32821

SEQN: 307047 / SPEC Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T28 / FROM: CDM /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1209.06158 Qty: 1 Truss Label: A11 / 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 O 999 360	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.261 O 999 240	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.052 K	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.107 K	
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: 0.943	
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.877	
Spacing: 24.0 "	C&C Dist a: 4.72 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.936	
	Loc. from endwall: not in 13.00 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)						
	Gravity Non-Gravity					
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	1784	/-	/-	/1098	/346	/395
K	3486	/-	/-	/1458	/457	/-
J	427	/-436	/-	/20	/260	/-
Win	d reac	tions bas	sed on N	MWFRS		
В	Brg W	/idth = 4	.0	Min Red	q = 1.8	
K	Brg W	/idth = 4	.0	Min Red	q = 2.5	
J	Brg W	/idth = 3	.5	Min Red	q = 1.5	
Bearings B, K, & J are a rigid surface.						
Members not listed have forces less than 375#						
Max	imum	Top Ch	ord For	ces Per	Ply (lb:	s)
Cho	rds T	ens.Con	np. (Chords	Tens.	Comp.

F-G

G-H

H - I

502 - 1383

451 - 1697

379 - 1608

1038

- 203

Lumber

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2; B4 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member

Special Loads

(Lumber	Dur.Fac.=1.	.25 / Plate [Dur.Fac.=1.2	25)		
TC: From	63 plf at	-1.00 to	63 plf at	47.17		
BC: From	5 plf at	-1.00 to	5 plf at	0.00		
BC: From	20 plf at	0.00 to	20 plf at	43.60		
BC: From	10 plf at	43.60 to	10 plf at	47.17		
BC: 870 lb Conc. Load at 43.60,45.60						

Wind

Wind loads based on MWFRS.

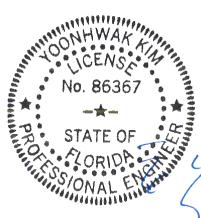
Additional Notes

Refer to General Notes for additional information

Negative reaction(s) of -436# MAX. from a non-wind load case requires uplift connection. See Maximum

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 11-5-4.



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

B - P 2417 - 449 N - M 1531 - 296 P - O 2415 - 451 M - I 1320 - 259 O - N 2006 - 378 K-J 224 - 829

Maximum Web Forces Per Ply (lbs)

565 - 2900

534 - 2431

493 - 1921

538 - 1577

B - C

C-D

D-E

F-F

W CD3	16113.0	onip.	VV CD3	16113.	Comp.
C-O	171	- 477	M - G	479	- 124
O - D	434	- 76	H-L	162	- 526
D - N	227	- 687	L-I	1198	- 174
E - N	575	- 146	I-K	540	- 2496
F - M	150	- 401			

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.

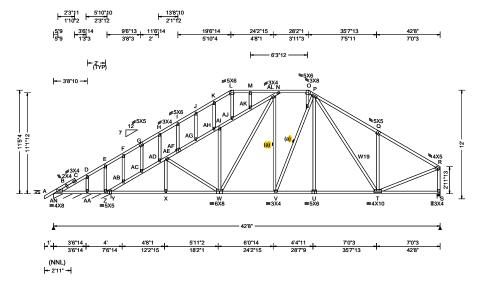


Ply: 1 Qty: 1 Job Number: 20-4025

/Turner-Gomez /ZECHER CONSTRUCTION

Truss Label: A12

Cust: R 215 JRef: 1WTM2150005 T4 / DrwNo: 076.20.1209.06641 / YK 03/16/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.122 J 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.253 J 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.061 J
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.126 J
NCBCLL: 10.00	Mean Height: 16.04 ft	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.701
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.715
Spacing: 24.0 "	C&C Dist a: 4.27 ft	Rep Fac: Yes	Max Web CSI: 0.748
' '	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			

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL AN*321 /184 /40 1585 /-/1003 /-/-/-119 Wind reactions based on MWFRS AN Brg Width = 76.0 Min Rea = S Brg Width = 4.0 Min Req Bearings AN & S are a rigid surface. Min Req = 1.9 Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 129 - 979 J - K 82 -910 C-D 74 - 943 K-L 80 - 891 D-E 76 - 935 L-M 99 - 783

Bracing

(a) Continuous lateral restraint equally spaced on

Plating Notes

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2;

All plates are 2X4 except as noted.

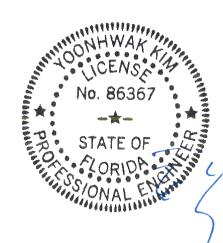
Webs: 2x4 SP #3; W19 2x4 SP #2;

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

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 11-5-4.



Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords 810 X - W 2013

M - N

N - O

O - P

P - Q

Q-R

- 780

124 - 1359

140 - 1426

283 - 1752

128

127 - 1712

- 984

- 965

68

73

81 - 921

74 - 954

74 - 954

E-F

F-G

G - H

H - I

I - J

B-AA 806 W - V 1361 0 AA-Z 0 800 0 V - U 1310 0 Y - X 2015 U - T 1309 0

Maximum web Forces Fer Fly (lbs)						
Tens.Comp.	Webs	Tens.	Comp.			
0 - 1470	Al-AJ	36	- 933			
0 - 1422	W -AL	513	0			
0 - 1402	AJ-AK	44	- 1005			
0 - 1305	AK-AL	58	- 989			
37 - 1035	AL- N	107	- 546			
0 -483	T - Q	247	- 519			
49 - 972	T-R	1481	- 38			
51 - 952	R-S	115	- 1527			
71 - 907						
	Tens.Comp. 0 -1470 0 -1422 0 -1402 0 -1305 37 -1035 0 -483 49 -972 51 -952	Tens.Comp. Webs 0 - 1470 Al-AJ 0 - 1422 W - AL 0 - 1402 AJ-AK 0 - 1305 AK-AL 37 - 1035 AL- N 0 - 483 T - Q 49 - 972 T - R 51 - 952 R - S	Tens.Comp. Webs Tens. 0 - 1470 Al-AJ 36 0 - 1422 W -AL 513 0 - 1402 AJ-AK 44 0 - 1305 AK-AL 58 37 - 1035 AL- N 107 0 - 483 T - Q 247 49 - 972 T - R 1481 51 - 952 R - S 115			

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

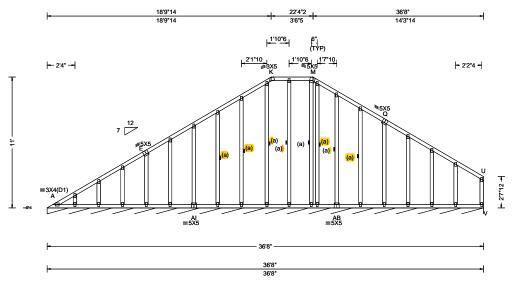
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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.



SEQN: 307049 / GABL Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T21 / FROM: CDM Qty: 1 /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1209.06656 Truss Label: B01 / YK 03/16/2020



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

Bracing

(a) Continuous lateral restraint equally spaced on

Plating Notes

All plates are 2X4 except as noted.

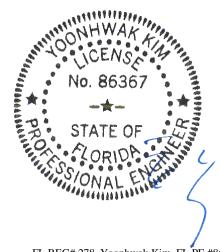
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Additional Notes

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

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



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

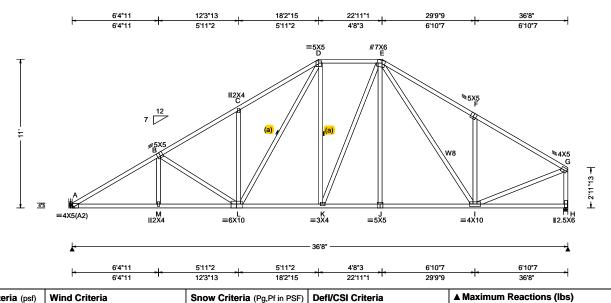
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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.



SEQN: 307050 / COMN Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T37 / Qty: 6 /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1209.06235 FROM: CDM 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): 0.125 C 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.241 C 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.045 H
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.086 H
NCBCLL: 10.00	Mean Height: 15.46 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: 0.646
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.764
Spacing: 24.0 "	C&C Dist a: 3.67 ft	Rep Fac: Yes	Max Web CSI: 0.735
-	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		Loading	

Lumber

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

Webs: 2x4 SP #3; W8 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

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

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

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

Bearing at location x=0'

uses the following

support conditions: 0'
Bearing A (0', 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

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

Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes Refer to General Notes of additional information. The overall height of this trues excluding overfland, 11-0-0

Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 1646 /-/914 /245 /296 1653 /-/-/848 /247 /-Wind reactions based on MWFRS Brg Width = -Min Reg =

Brg Width = 4.0 Min Req = 2.0Bearing H 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.

A-B B-C	690 - 2794	D-E	539	- 1481
B-C	633 - 2344	E-F	657	- 1821
C - D	786 - 2351	F-G	466	- 1795

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 2331 - 609 1399 - 218 A - M 2329 - 610 1396 -218 M - L 1481 L-K - 240

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens.	Comp.
B-L	217	- 457	I-F	306	- 490
C - L	238	- 385	I - G	1555	- 335
L - D	951	- 382	G-H	414	- 1600

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

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

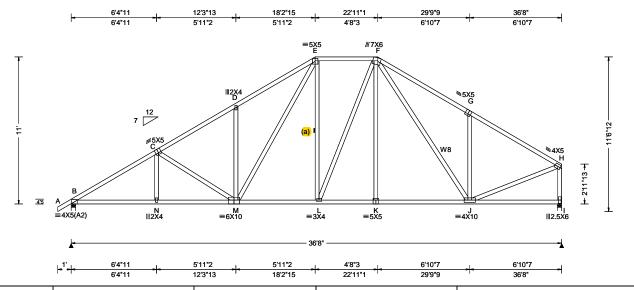
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 307051 / COMN Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T43 / FROM: CDM /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1209.06532 Qty: 3 Truss Label: B03 / YK 03/16/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.126 D 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.241 D 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.045 I
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.16 ft		HORZ(TL): 0.086 I
NCBCLL: 10.00	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: 0.646
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.766
Spacing: 24.0 "	C&C Dist a: 3.67 ft	Rep Fac: Yes	Max Web CSI: 0.780
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08
Lumber			

▲ Maximum Reactions (lbs)							
	G	avity		Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
В	1716	/-	/-	/973	/260	/307	
1	1651	/-	/-	/849	/244	/-	
Wind	d rea	ctions b	ased on	MWFRS			
B Brg Width = 4.0			4.0	Min Req = 2.0			
1	Brg \	Nidth =	4.0	Min Req = 1.9			
Bear	rings	B&Ia	e a rigio	l surface.			
Men	bers	not list	ed have	forces les	s than 3	375#	
Maximum Top Chord Forces Per Ply (lbs)						s)	
Cho	rds ⁻	Tens.Co	omp.	Chords	Tens.	Ćomp.	
В-0		485 -	2772	E-F	413	- 1477	
C-E)	460 -	2335	F-G	510	- 1819	
D - E	•	582 -	2343	G-H	351	- 1792	

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; W8 2x4 SP #2;

(a) Continuous lateral restraint equally spaced on

Loading

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

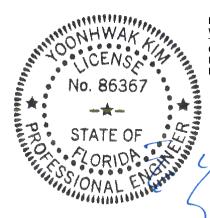
Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

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



Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Tens. Comp. Chords B - N 2309 - 418 1396 - 142 L-K

1394

- 142

Maximum Web Forces Per Ply (lbs)

2307 - 418

1477 - 159

N - M

M - L

Webs	Tens.Comp.		Webs	Tens.	Comp.
С - М	152	- 438	J - G	239	- 490
D - M	177	- 388	J - H	1552	- 231
M - E	946	- 271	H-I	317	- 1598

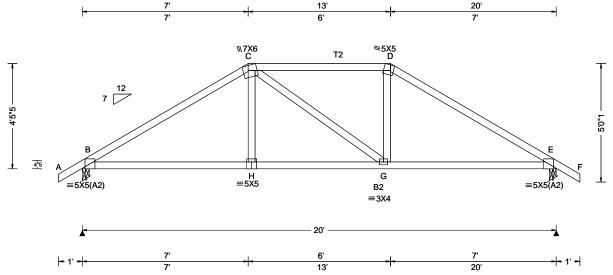
FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

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.

SEQN: 307052 / HIPS Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T9 / FROM: CDM /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1209.06626 Qty: 1 Truss Label: C01 / YK 03/16/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (Ib	os)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	VERT(LL): 0.090 H 999 360 VERT(CL): 0.180 H 999 240 HORZ(LL): 0.038 G HORZ(TL): 0.077 G Creep Factor: 2.0 Max TC CSI: 0.700 Max BC CSI: 0.973	E 2067 /- /- Wind reactions based on M B Brg Width = 3.5 E Brg Width = 3.5 Bearings B & E are a rigid : Members not listed have fo Maximum Top Chord For Chords Tens.Comp. C	Min Req = 2.4 Min Req = 1.7 surface. rces less than 375#

Lumber

Top chord: 2x4 SP #2; T2 2x4 SP M-31; Bot chord: 2x4 SP #2; B2 2x4 SP M-31; Webs: 2x4 SP #3;

Special Loads

•				
(Lumber	Dur.Fac.=1.	.25 / Plate D	Our.Fac.=1.2	25)
TC: From	63 plf at	-1.00 to	63 plf at	7.00
TC: From	32 plf at	7.00 to	32 plf at	13.00
TC: From	63 plf at	13.00 to	63 plf at	21.00
BC: From	5 plf at	-1.00 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	7.03
BC: From	10 plf at	7.03 to	10 plf at	12.97
BC: From	20 plf at	12.97 to	20 plf at	20.00
BC: From	5 plf at	20.00 to	5 plf at	21.00
TC: 441 lb	Conc. Load	at 7.03,12	.97	
TC: 193 lb				
BC: 526 lb				
BC: 131 lb	Conc. Load	at 9.06,10	.94	

Wind loads and reactions based on MWFRS.

Additional Notes

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



03/16/2020

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

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

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

For more information see 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



Maximum Bot Chord Forces Per Ply (lbs)

2876 - 580 G - E 2873 - 582 H - G 2902 - 579

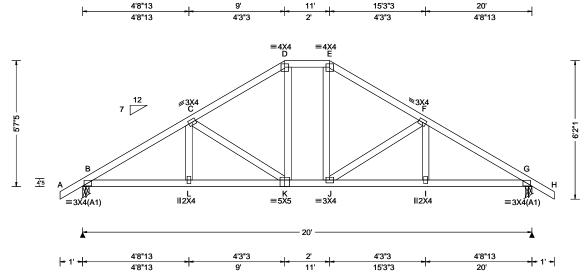
Chords

Tens. Comp.

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

Chords Tens.Comp.

Tens. Comp. C-H G - D 738 0 SEQN: 307053 / HIPS Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T5 / FROM: CDM /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1209.06345 Qty: 1 Truss Label: C02 / YK 03/16/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	-
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.033 J 999 360	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.075 J 999 240	В
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.016 I	G
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.032 I	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: 0.214	G
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.357	В
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.203	M
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		C
	GCpi: 0.18	Plate Type(s):		ļ -
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08	B
Lumber				C

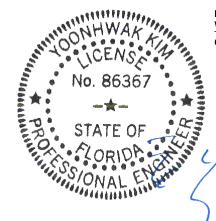
▲ Maxim	▲ Maximum Reactions (lbs)							
Gravity			No	Non-Gravity				
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL			
B 899	/-	/-	/536	/155	/164			
G 899	/-	/-	/536	/155	/-			
Wind rea	actions b	ased on	MWFRS					
B Brg	Width =	3.5	Min Re	q = 1.5	;			
G Brg	Width =	3.5	Min Reg = 1.5					
Bearings	B&Ga	are a rigi	d surface.	-				
Member	s not liste	ed have	forces less	s than 3	375#			
Maximu	m Top C	hord F	orces Per	Ply (lb	s)			
Chords	Tens.Co	mp.	Chords	Tens.	Ćomp.			
в-с	290 -	1283	E-F	273	- 951			
C-D	273	- 951	F-G	289	- 1283			
D-E	260	- 759						

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

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

Additional Notes

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



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. (Jomp.	
B-L	1048	- 162	J - I	1046	- 180	
L-K	1046	- 162	I-G	1048	- 179	
K - J	759	- 73				

Maximum Web Forces Per Ply (lbs)

VV CD3	rens.comp.	VV CD3	i Gilo. V	Jonnp.
 С-К	129 - 384	J - F	129	- 385

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

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

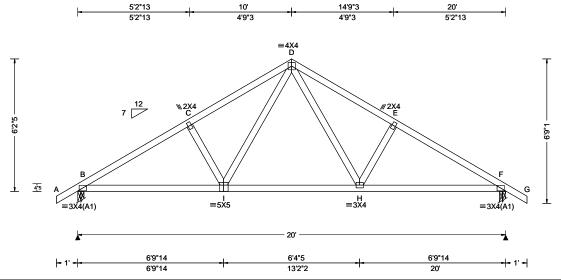
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 307054 / COMN Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T6 / FROM: CDM /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1209.06579 Qty: 3 Truss Label: C03 / YK 03/16/2020



Loading Criteria (psf) Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA		Gravity Non-Gravity
TCDL: 10.00 Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.037 H 999 360	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00 Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.073 H 999 240	B 941 /- /- /535 /153 /179
BCDL: 10.00 Risk Category: II	Snow Duration: NA	HORZ(LL): 0.016 H	F 941 /- /- /535 /153 /-
Des Ld: 40.00 EXP: C Kzt: NA		HORZ(TL): 0.030 H	Wind reactions based on MWFRS
NCBCLL: 10.00 Mean Height: 15.00 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0	B Brg Width = 3.5 Min Req = 1.5
Soffit: 2.00 BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.235	F Brg Width = 3.5 Min Req = 1.5
Load Duration: 1.25 MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.529	Bearings B & F are a rigid surface.
Spacing: 24.0 " C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.180	Members not listed have forces less than 375#
Loc. from endwall: not in 9.00 f	FT/RT:20(0)/10(0)		Maximum Top Chord Forces Per Ply (lbs)
			Chords Tens.Comp. Chords Tens. Comp.
GCpi: 0.18	Plate Type(s):		D 0 000 1010 D E 000 1001
Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08	B-C 266-1343 D-E 298-1201 C-D 298-1199 E-F 266-1345

Lumber

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

Loading

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

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

Additional Notes

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

Maximum Bot Chord Forces Per Ply (lbs)

Chorus	rens.comp.	Chorus	Tens. (Jonip.	
B - I	1096 - 142	H-F	1098	- 153	
I - H	745 - 37				

Maximum Web Forces Per Ply (lbs)

Vebs	Tens.Comp.	Webs	Tens. Comp.	
- D	469 - 111	D-H	473 - 110	



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

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

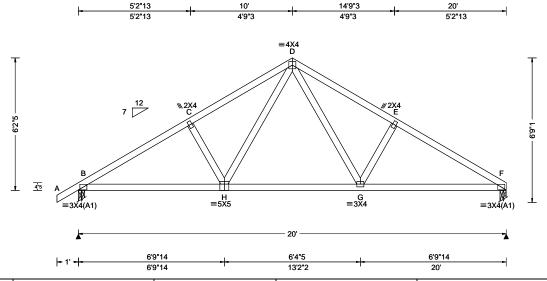
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 307055 / COMN Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T15 / FROM: CDM /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1209.06188 Qty: 1 Truss Label: C04 / YK 03/16/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (II	bs)
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): 0.032 H 999 360	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.066 H 999 240	B 902 /- /-	/535 /14 /167
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.014 G	F 829 /- /-	/477 /8 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.028 G	Wind reactions based on N	MWFRS
NCBCLL: 10.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	B Brg Width = 3.5	Min Req = 1.5
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.257	F Brg Width = 3.5	Min Req = 1.5
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.535	Bearings B & F are a rigid	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.165	Members not listed have for	
Spacing: 2 no	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		Maximum Top Chord For Chords Tens.Comp.	rces Per Ply (lbs) Chords Tens. Comp.
	GCpi: 0.18	Plate Type(s):		Chords Tens.Comp.	chords rens. Comp.
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08		D - E 315 - 1123
Lumber	L	I .		^J C - D 302 - 1115 I	E - F 283 - 1266

Lumber

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

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

Additional Notes

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

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	Comp.	Chords	Tens. (Comp.
B - H	1025	- 176	G-F	1035	- 178
H - G	695	-60			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. (Comp.
H - D	420 - 109	D-G	434	- 114



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

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

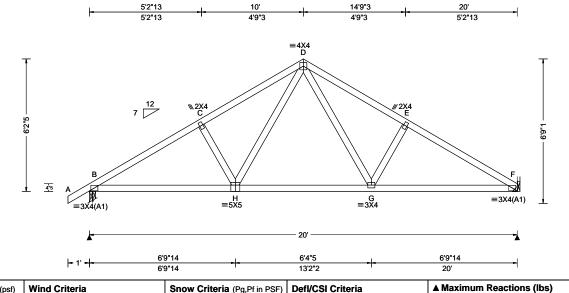
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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.



SEQN: 307056 / COMN Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T27 / Qty: 2 /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1209.06484 FROM: CDM Truss Label: C05 / YK 03/16/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	T
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): 0.037 H 999 360	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.073 H 999 240	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.016 G	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.031 G	
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: 0.252	
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.539	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.186	
' '	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08	

Wind reactions based on MWFRS Brg Width = 3.5В Min Rea = 1.5Brg Width = -Min Rea = -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 270 - 1349 C - D 302 - 1205

Lumber

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

Hangers / Ties

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

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

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

Bearing at location x=19'9" us support conditions: 19'9" Bearing F (19'9", 9'1"2) LUS26 uses the following

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

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

Loading

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

Wind

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

Additional Notes

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

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Tens. Comp. Chords 1101 - 176 1116 - 179 H - G 751 - 60

/Rh

/-

Non-Gravity

/RL

/167

Tens. Comp.

284 - 1361

316 - 1217

/Rw /U

/536

/477

Gravity

Loc R+

870

В 944

Maximum Web Forces Per Ply (lbs) Tens.Comp. Tens. Comp. Webs Webs H - D D - G 489 468 - 109 - 115



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

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

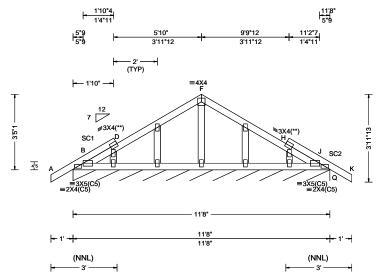
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 307057 / GABL Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T2 / /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1209.06376 FROM: CDM Qty: 1 Truss Label: D01 / YK 03/16/2020



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: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1 60	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):	PDefI/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.000 H 999 360 VERT(CL): 0.001 H 999 240 HORZ(LL): -0.001 D HORZ(TL): 0.001 D Creep Factor: 2.0 Max TC CSI: 0.114 Max BC CSI: 0.026 Max Web CSI: 0.029
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /Rw /U /RL Q* 95 /-/-/49 /10 Wind reactions based on MWFRS Q Brg Width = 140 Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Stack Chord: SC2 2x4 SP #2;

Plating Notes

All plates are 2X4 except as noted.

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

Wind

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

Additional Notes

Refer to General Notes for additional information 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



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

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

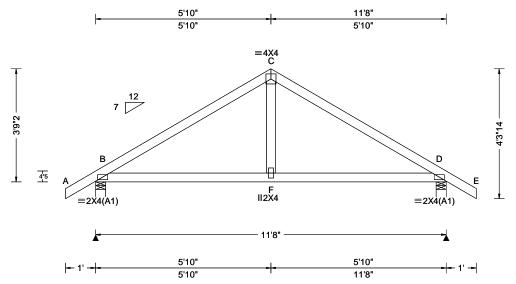
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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.





SEQN: 307058 / COMN Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T1 / FROM: CDM /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1209.06019 Qty: 3 Truss Label: D02 / YK 03/16/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.006 F 999 360	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.013 F 999 240	B 553 /- /- /337 /95 /117
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.003 F	D 553 /- /- /337 /95 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.007 F	Wind reactions based on MWFRS
NCBCLL: 10.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	B Brg Width = 4.0 Min Req = 1.5
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.323	D Brg Width = 4.0 Min Req = 1.5
Load Duration: 1.25	BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.350	Bearings B & D are a rigid surface.
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.098	Members not listed have forces less than 375#
Opacing. 24.0		FT/RT:20(0)/10(0)		Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: Any	. , , , ,		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 184 -599 C-D 184 -599

Lumber

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

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

Additional Notes

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

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 449 449 -53



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

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

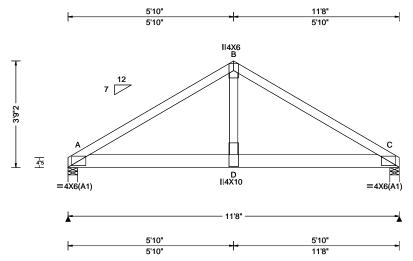
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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.



SEQN: 307059 / COMN Ply: 2 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T23 / /Turner-Gomez /ZECHER CONSTRUCTION FROM: CDM DrwNo: 076.20.1209.06020 Qty: 1 Truss Label: D03 / YK 03/16/2020

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ M
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): 0.050 D 999 360	Loc
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.099 D 999 240	Α
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.011 D	С
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.022 D	Win
NCBCLL: 10.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	Α
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.861	С
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.886	Bea
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.667	Mer
Opaonig. 2 1.0	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		Max
	GCpi: 0.18	Plate Type(s):		Cho
	Wind Duration: 1 60	WAVE	VIEW Ver: 18 02 01B 0321 08	A - I

Maximum Reactions (lbs) Gravity Non-Gravity c R+ /R /Rh /Rw /U /RL 4538 /-/279 **/730** /86 /257 6190 ind reactions based on MWFRS Brg Width = 4.0Min Req = 1.9 Brg Width = 4.0 Min Req = 2.6earings A & C are a rigid surface. embers not listed have forces less than 375# aximum Top Chord Forces Per Ply (lbs) nords Tens.Comp. Chords Tens. Comp. 517 - 3203 518 - 3210 B-C

Lumber

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

Nailnote

Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 2 Rows @ 3.50" o.c. (Each Row) Webs : 1 Row @ 4" o.c. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

-(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 0.00 to 63 plf at 63 plf at 11.67 10 plf at 0.00 to 10 plf at BC: 1646 lb Conc. Load at 2.06, 4.06, 6.06, 8.06 9.23.11.23

Wind

Wind loads based on MWFRS.

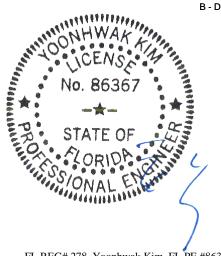
Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 3-9-2.



Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. 2955 - 427



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.

SEQN: 307060 / FROM: CDM Page 1 of 2

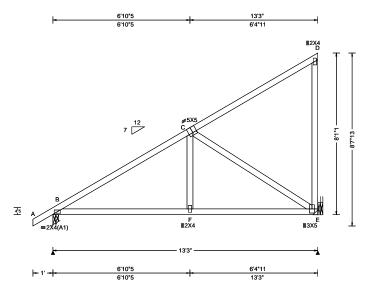
MONO

Ply: 1 Qty: 7 Job Number: 20-4025

/Turner-Gomez /ZECHER CONSTRUCTION

Truss Label: D04

Cust: R 215 JRef: 1WTM2150005 T20 / DrwNo: 076.20.1209.06469 / YK 03/16/2020



Loading Criteria (psf)	Wind Criteria
TCLL: 20.00	Wind Std: ASC
TCDL: 10.00	Speed: 130 mp
BCLL: 0.00	Enclosure: Clos
BCDL: 10.00	Risk Category:
Des Ld: 40.00	EXP: C Kzt: N.
	Mean Height: 15
NCBCLL: 10.00	TCDL: 5.0 psf
Soffit: 2.00	BCDL: 5.0 psf
Load Duration: 1.25	MWFRS Paralle
Spacing: 24.0 "	C&C Dist a: 3.0

CE 7-10 ٦h sed 5.00 ft

lel Dist: h to 2h 00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60

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

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

Defl/CSI Criteria

PP Deflection in loc L/defl L/# VERT(LL): 0.010 F 999 360 VERT(CL): 0.021 F 999 240 HORZ(LL): 0.006 F HORZ(TL): 0.012 F Creep Factor: 2.0 Max TC CSI: 0.736 Max BC CSI: 0.573 Max Web CSI: 0.660

VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs) Gravity

Non-Gravity Loc R+ /Rh /Rw /U /RL В 628 /420 /158 541 /-/382 Wind reactions based on MWFRS Brg Width = 3.5В Min Req = 1.5Brg Width = -Min Rea = -Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)

Chords Tens.Comp.

B - C 13 - 702

Lumber

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

Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

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

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 530 - 187

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. 223 - 627



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

SEQN: 307060 / MONO Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T20 / FROM: CDM Qty: 7 /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1209.06469 Page 2 of 2 Truss Label: D04 / 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.

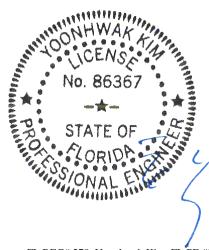
Recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Additional connection required to evenly distribute hanger reaction throughout all plies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

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

Bearing at location x=13' uses the following support conditions: 13'
Bearing E (13', 91"2) LUS26
Supporting Member: (2)2x8 SP 2400f-2.0E
(4) 0.148"x3" nails into supporting member,
(3) 0.148"x3" nails into supported member.

Bearing E (13', 9'1"2) LUS26

Supporting Member: (2)2x8 SP 2400f-2.0E into supporting into supported member.



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.



SEQN: 307061 / FROM: CDM

GABL

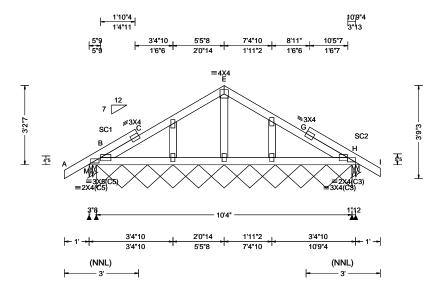
Ply: 1 Qty: 1

Job Number: 20-4025

/Turner-Gomez /ZECHER CONSTRUCTION

Truss Label: E01

Cust: R 215 JRef: 1WTM2150005 T8 / DrwNo: 076.20.1209.06125 / 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): 0.004 G 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.007 G 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.002 G
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.004 G
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: 0.120
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.055
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.034
' "	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

▲ M	axim	um Rea	ctions (I	bs), or *=	PLF	
	G	avity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
м	205	/-	/-	/132	/31	/107
М*	61	/-	/-	/34	/10	/-
Н	193	/-	/-	/83	/44	/-
Win	d read	ctions b	ased on I	MWFRS		
М	Brg V	Vidth =	3.5	Min Re	q = 1.5	5
М	Brg V	Vidth =	124	Min Re	q = -	
Н	Brg V	Vidth =	1.8	Min Re	q = 1.5	5
Bea	rings	M, M, 8	H are a	rigid surfa	ace.	
Mer	nbers	not list	ed have fo	orces les	s than	375#

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; 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 3-2-7.



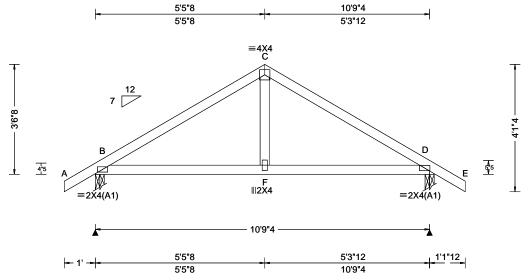
FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

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.

SEQN: 307062 / COMN Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T7 / FROM: CDM /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1209.06346 Qty: 1 Truss Label: E02 / YK 03/16/2020



Loading Criteria (psf) Wind Criteria	Wind Criteria Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria			▲ Maximum Reactions (lbs)							
TCLL: 20.00 Wind Std: AS	CE 7-10 Pg: NA	Ct: NA	CAT: NA	PP Deflection in	loc L	_/defl	_/#		Gravity		N	on-Gra	vity
TCDL: 10.00 Speed: 130 mg	oh Pf: NA		Ce: NA	VERT(LL): 0.006	3 F	999	360	Loc I	R+ /R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00 Enclosure: Clo	sed Lu: NA	Cs: NA		VERT(CL): 0.011	1 F	999	240	B 5	18 /-	/-	/318	/89	/113
BCDL: 10.00 Risk Category:	I SHOW DO	ration: NA	١	HORZ(LL): 0.003	3 F	-	-	D 52		/-	/322		/-
Des Ld: 40.00 EXP: C Kzt: N				HORZ(TL): 0.006	3 F	-	-	Wind	reactions I	oased or	MWFRS		
NCBCLL: 10.00 Mean Height: 1	5.00 ft Code / N	lisc Crite	ria	Creep Factor: 2.0)			В В	rg Width =	3.5	Min Re	eq = 1.5	5
Soffit: 2.00 TCDL: 5.0 psf BCDL: 5.0 psf	Bldg Cod	de: FBC 2	017 RES	Max TC CSI: 0.	.270				rg Width =			eq = 1.5	5
BODE. 5.0 psi	lel Dist: 0 to h/2 TPI Std:	2014		Max BC CSI: 0.	.298				-	_	id surface.		
Spacing: 24.0 " C&C Dist a: 3.0	D F	: Yes		Max Web CSI: 0.	.090						forces les		
Loc. from endy		0(0)/10(0)									orces Per		•
GCpi: 0	·-····							CHOIC	s Tens.C	опр.	Chords	rens.	Comp.
Wind Duration		,		VIEW Ver: 18.02	.01B.	0321.0)8	B - C	169	- 544	C - D	170	- 546

Lumber

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

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

Additional Notes

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

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 406 406



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

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

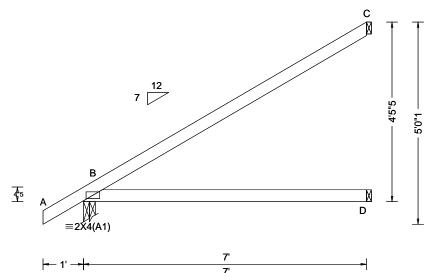
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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.



SEQN: 307063 / **EJAC** Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T13 / FROM: CDM /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1209.06610 Qty: 4 Truss Label: J01 / YK 03/16/2020



		,	
Loading Criteria (psf) Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 Wind Std: ASCE 7-10	3	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00 Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00 Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	B 371 /- /- /254 /31 /133
BCDL: 10.00 Risk Category: II EXP: C Kzt: NA	Snow Duration: NA	HORZ(LL): 0.015 D	D 131 /- /- /93 /1 /-
Des Ld: 40.00 Mean Height: 15.00 ft		HORZ(TL): 0.030 D	C 193 /- /- /103 /79 /-
NCBCLL: 10.00 TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0	Wind reactions based on MWFRS
Soffit: 2.00 BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.758	B Brg Width = 3.5 Min Req = 1.5
Load Duration: 1.25 MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.530	D Brg Width = 1.5 Min Req = -
Spacing: 24.0 " C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000	C Brg Width = 1.5 Min Req = -
Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		Bearing B is a rigid surface.
GCpi: 0.18	Plate Type(s):		Members not listed have forces less than 375#
Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08	

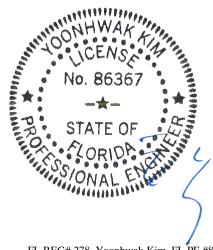
Lumber

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 4-5-5.



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

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

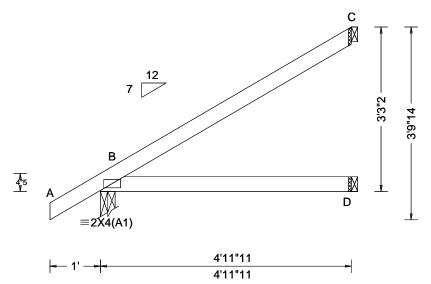
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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.



SEQN: 307064 / **JACK** Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T10 / FROM: CDM /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1209.06298 Qty: 4 Truss Label: J02 / YK 03/16/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum React
TCLL: 20.00 TCDL: 10.00	Wind Std: ASCE 7-10 Speed: 130 mph	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA	PP Deflection in loc L/defl L/# VERT(LL): NA	Gravity Loc R+ /R-
BCLL: 0.00 BCDL: 10.00	Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Lu: NA Cs: NA Snow Duration: NA	VERT(CL): NA HORZ(LL): 0.005 D HORZ(TL): 0.010 D	B 290 /- D 91 /- C 134 /-
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18	Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Creep Factor: 2.0 Max TC CSI: 0.342 Max BC CSI: 0.258 Max Web CSI: 0.000	Wind reactions bas B Brg Width = 3.9 D Brg Width = 1.9 C Brg Width = 1.9 Bearing B is a rigid Members not listed
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08	

ctions (lbs) Non-Gravity /Rh /Rw /U /RL /201 /99 /-/64 /-/0 /70 /55 sed on MWFRS Min Req = 1.5 3.5 Min Req = -.5 .5 Min Req = d surface. d have forces less than 375#

Lumber

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

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

Additional Notes

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



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

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

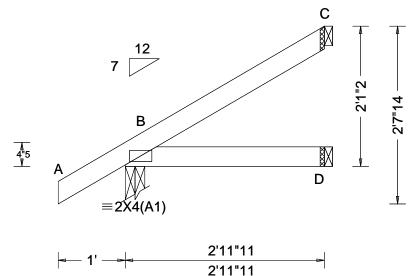
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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.



SEQN: 307065 / **JACK** Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T11 / FROM: CDM /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1209.06064 Qty: 4 Truss Label: J03 / YK 03/16/2020



Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 PI Std: 2014 Max BC CSI: 0.080 Max Web CSI: 0.000 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60 WAVE VIEW Ver: 18.02.01B.0321.08
--

▲ M	aximı	um Rea	ctions (I	bs)		
	G	ravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	213	/-	/-	/153	/26	/66
D	52	/-	/-	/37	/-	/-
С	72	/-	/-	/36	/31	/-
Win	d read	ctions b	ased on I	MWFRS		
В	Brg V	Vidth =	3.5	Min Re	q = 1.5	5
D	Brg V	Vidth =	1.5	Min Re	q = -	
		Vidth =		Min Re	q = -	
Bea	ring B	is a rig	id surfac	е.	-	
Men	nbers	not liste	ed have f	orces les	s than	375#
1						

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

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

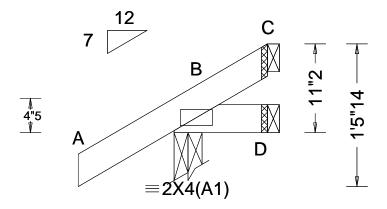
SEQN: 307066 / FROM: CDM

JACK Ply: 1 Qty: 4 Job Number: 20-4025

/Turner-Gomez /ZECHER CONSTRUCTION

Truss Label: J04

Cust: R 215 JRef: 1WTM2150005 T12 / DrwNo: 076.20.1209.06018 / YK 03/16/2020





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)	
TCLL: 20.00 TCDL: 10.00	Wind Std: ASCE 7-10 Speed: 130 mph	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA	PP Deflection in loc L/defl L/# VERT(LL): NA	Gravity Non-Gravit	ty / RL
BCLL: 0.00 BCDL: 10.00	Enclosure: Closed Risk Category: II	Lu: NA Cs: NA Snow Duration: NA	VERT(CL): NA HORZ(LL): -0.000 D		/32 /-
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any	Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0)	HORZ(TL): 0.000 D Creep Factor: 2.0 Max TC CSI: 0.078 Max BC CSI: 0.010 Max Web CSI: 0.000	C - /-17 /- /16 /23 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 37	/- /- 75#
	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 0-11-2.



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

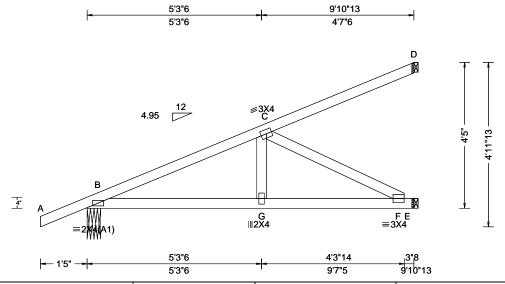
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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.



SEQN: 307067 / HIP_ Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T14 / FROM: CDM /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1209.06377 Qty: 2 Truss Label: J05HJ / YK 03/16/2020



BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf BCDL: 5.0 psf TPI Std: 2014 Max BC CSI: 0.527 Max BC CSI: 0.527	4	DefI/CSI Criteria	Snow Criteria (Pg,Pf in PSF)	Wind Criteria	Loading Criteria (psf)
Spacing: 24.0 " C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18 Wave Wave Wave Wave Wave Wave Wave Wave Wave GCpi: 0.18 Wave W	999 360 L 999 240 E E I N	A PP Deflection in loc L/c VERT(LL): 0.018 G S VERT(CL): 0.038 G S HORZ(LL): 0.005 F HORZ(TL): 0.010 F Creep Factor: 2.0 Max TC CSI: 0.595 Max BC CSI: 0.527 Max Web CSI: 0.348	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s):	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: NA GCpi: 0.18	TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25
Lumber	0321.08	VILVV Ver. 18.02.01B.03	WAVE	Willia Dalation. 1.00	Lumber

▲ Maximum Reactions (Ibs)								
	Gravity				Non-Gravity			
0	Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL	
0	В	364	/-	/-	/-	/64	/-	
	Е	396	/-	/-	/-	/15	/-	
	D	248	/-	/-	/-	/92	/-	
	Win	d rea	ctions b	ased on I	MWFRS			
	В	Brg \	Nidth =	4.9	Min Re	q = 1.5	5	
	Ε	Brg \	Nidth =	1.5	Min Re	q = -		
	D	Brg \	Nidth =	1.5	Min Re	q = -		
	Bea	ring E	3 is a rig	id surfac	е.			
	Members not listed have forces less than 375#							
	Max	imur	n Top C	hord Fo	rces Per	Ply (lb	s)	
	Cho	rds	Tens.Co	omp.		•	•	

B - C 121 - 717

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

Top chord: 2x4 SP #2;

Loading

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

Wind loads and reactions based on MWFRS.

Additional Notes

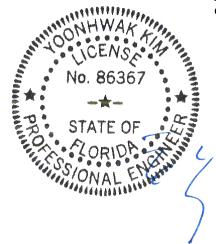
Refer to General Notes for additional information The overall height of this truss excluding overhang is 4-5-0.

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 645 - 106 G-F 639 - 109

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. C-F 123 - 723



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

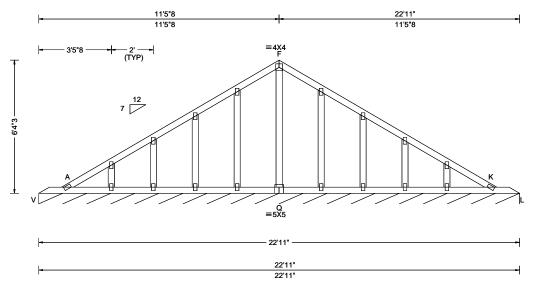
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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.



SEQN: 307068 / GABL Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T24 / FROM: CDM /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1209.06516 Qty: 1 Truss Label: V01 / 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): 0.001 G 999 360	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 G 999 240	L* 81 /- /- /42 /12 /7
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 E	Wind reactions based on MWFRS
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.002 E	L Brg Width = 275 Min Req = -
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0	Bearing V is a rigid surface.
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.049	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: 0.030	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.069	
' "	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;

Plating Notes

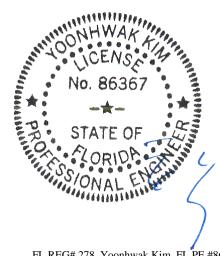
All plates are 2X4 except as noted.

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

Additional Notes

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

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

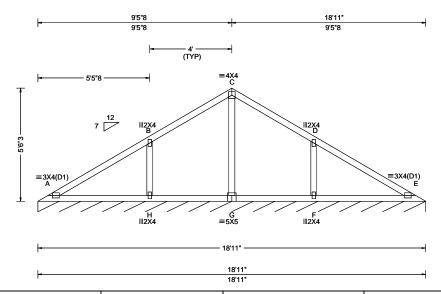
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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



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: 307069 / VAL Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T25 / FROM: CDM /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1209.06563 Qty: 1 Truss Label: V02 / YK 03/16/2020



Loading Criteria (psf) TCLL: 20.00	Wind Criteria Wind Std: ASCE 7-10	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/#	▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity
TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Speed: 130 mph Enclosure: Closed Risk Category: II	Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	VERT(LL): 0.015 F 999 360 VERT(CL): 0.030 F 999 240 HORZ(LL): -0.006 F -	Loc R+ /R- /Rh /Rw /U /RL E* 83 /- /- /43 /12 /7 Wind reactions based on MWFRS
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf	Code / Misc Criteria Bldg Code: FBC 2017 RES	HORZ(TL): 0.011 F Creep Factor: 2.0	E Brg Width = 227 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#
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	TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Max BC CSI: 0.232 Max Web CSI: 0.191	
	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

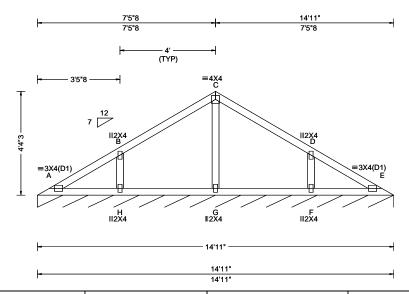
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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.



SEQN: 307070 / VAL Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T26 / FROM: CDM /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1209.06548 Qty: 1 Truss Label: V03 / YK 03/16/2020



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 F 999 360 Loc R+ /R- /Rh / Rw / U / II	
TODE: 10.00	,
	NL_
BCLL: 0.00 Enclosure: Closed Lu: NA Cs: NA VERT(CL): 0.005 F 999 240 E* 83 /- /- /43 /12 /7	7
BCDL: 10.00 Risk Category: II Snow Duration: NA HORZ(LL): -0.001 F Wind reactions based on MWFRS	
Des Ld: 40.00 EXP: C Kzt: NA HORZ(TL): 0.002 F E Brg Width = 179 Min Req = -	
NCBCLL: 10.00 TODILE 6 Doct Code / MISC Criteria Creep Factor: 2.0 Dealing A is a rigid surface.	
Soffit: 2.00 Bldg Code: FBC 2017 RES Max TC CSI: 0.256 Members not listed have forces less than 375	5#
Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 TPI Std: 2014 Max BC CSI: 0.118	
Spacing: 24.0 " C&C Dist a: 3.00 ft Rep Fac: Yes Max Web CSI: 0.078	
Loc. from endwall: not in 4.50 ft FT/RT:20(0)/10(0)	
GCpi: 0.18 Plate Type(s):	
Wind Duration: 1.60 WAVE VIEW Ver: 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

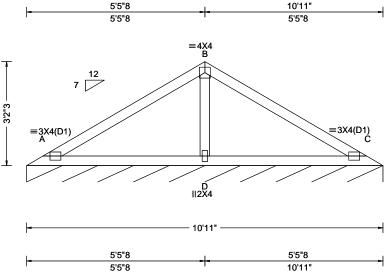
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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.



SEQN: 307071 / VAL Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T29 / FROM: CDM /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1209.06470 Qty: 1 Truss Label: V04 / YK 03/16/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria	▲ Maxi
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): 0.017 D 999 360	Loc R
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA VERT(CL): 0.035 D 999 240	C* 83
BCDL: 10.00	Risk Category: II	Snow Duration: NA HORZ(LL): -0.008 D	Wind re
Des Ld: 40.00	EXP: C Kzt: NA	HORZ(TL): 0.016 D	C Br
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Code / Misc Criteria Creep Factor: 2.0	Bearing
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES Max TC CSI: 0.422	Membe
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014 Max BC CSI: 0.340	Maxim
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes Max Web CSI: 0.145	Chords
J - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	A - B
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE VIEW Ver: 18.02.01B.0321.08	Maxim
Lumber		'	Webs

	•							
▲ Maximum Reactions (Ibs), or *=PLF								
Gravity			N	Non-Gravity				
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL			
C* 83	/-	/-	/43	/11	/7			
Wind rea	actions b	ased or	MWFRS					
C Brg Width = 131			Min Req = -					
Bearing	A is a rig	id surfa	ice.					
Members	s not liste	ed have	forces les	s than 3	375#			
Maximu	m Top C	hord F	orces Per	Ply (lb	s)			
Chords	Tens.Co	mp.	Chords	Tens.	Comp.			
A - B	434	- 146	B - C	434	- 146			
Maximu	Maximum Web Forces Per Ply (lbs)							

Tens.Comp.

234 - 637

B - D

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

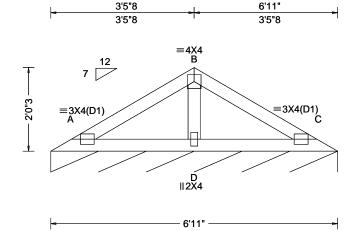
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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 SEQN: 307072 / VAL Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T30 / FROM: CDM /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1209.06251 Qty: 1 Truss Label: V05 / YK 03/16/2020



3'5"8

6'11"

Coading Criteria (psf) Wind Criteria	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.004 D 999 360 VERT(CL): 0.009 D 999 240 HORZ(LL): -0.002 D HORZ(TL): 0.004 D Creep Factor: 2.0 Max TC CSI: 0.151 Max BC CSI: 0.121 Max Web CSI: 0.057 VIEW Ver: 18.02.01B.0321.08
--	---	--

3'5"8 3'5"8

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL C* 83 /-/-/42 /10 Wind reactions based on MWFRS Brg Width = 83.0 Min Req = -Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind 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

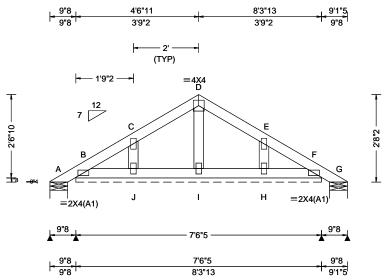
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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: 307073 / GABL Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T33 / FROM: CDM /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1209.06033 Qty: 2 Truss Label: PB01 / YK 03/16/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	1
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.000 J 999 360 VERT(CL): 0.000 D 999 240 HORZ(LL): 0.000 E HORZ(TL): 0.000 E	
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 16.04 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18	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: 0.050 Max BC CSI: 0.029 Max Web CSI: 0.024	1 0 1
Lumber	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08	_

▲ N	laxim	um Rea	actions (I	bs). or *=	:PLF	
	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Α	21	/-	/-	/42	/28	/70
В*	89	/-	/-	/45	/8	/-
G	21	/-	/-	/13	/2	/-
Wir	nd read	ctions b	ased on I	MWFRS		
Α	A Brg Width = 6.5			Min Req = 1.5		
В	Brg V	Vidth =	90.3	Min Reg = -		
G				Min Reg = 1.5		
Bearings A, B, & G are a rigi			igid surfa	ce.		
Mei	mbers	not list	ed have f	orces les	s than	375#

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

Plating Notes

All plates are 2X4 except as noted.

Purlins

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

Wind

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

Additional Notes

Refer to General Notes for additional information Refer to DWG PB160101014 for piggyback details. The overall height of this truss excluding overhang is 2-8-2.



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

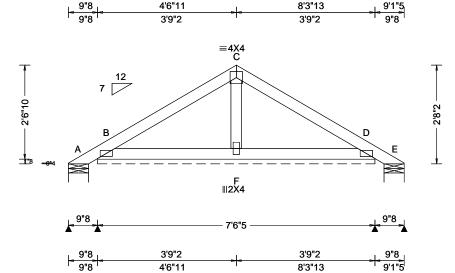
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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 SEQN: 307074 / COMN Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T34 / FROM: CDM /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1209.06079 Qty: 11 Truss Label: PB02 / YK 03/16/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.001 F 999 360	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.003 F 999 240	A
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 F	В
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 16.04 ft		HORZ(TL): 0.002 F	E
NCBCLL: 10.00	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: 0.150	A
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.148	B
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.020	В
	Loc. from endwall: Any	FT/RT:20(0)/10(0)		lм
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08	
Lumber				-

	▲ Maximum Reactions (lbs), or *=PLF						
	Gravity	Non-Gravity					
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
Α -	/-62	/-	/51	/76	/70		
B* 112	/-	/-	/53	/15	/-		
E -	/-62	/-	/26	/41	/-		
Wind reactions based on MWFRS							
A Brg	Width =	6.5	Min Re	q = 1.5	5		
B Bra	Width =	90.3	Min Re	q = -			
	Width =	Min Re	$\dot{q} = 1.5$	5			
Bearings A, B, & E are a rigid surface.							
Members not listed have forces less than 375#							

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

Plating Notes

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

Purlins

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

Wind

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

Additional Notes

Refer to General Notes for additional information Refer to DWG PB160101014 for piggyback details. The overall height of this truss excluding overhang is 2-8-2.



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

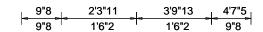
Refer to distance of the standard plate positions.

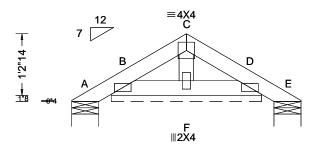


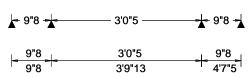
Job Number: 20-4025

/Turner-Gomez /ZECHER CONSTRUCTION Truss Label: PB04

Cust: R 215 JRef: 1WTM2150005 T35 / DrwNo: 076.20.1209.06141 / YK 03/16/2020







Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.000 F 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.000 F 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 F
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.000 F
NCBCLL: 10.00	Mean Height: 15.16 ft	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.018
Load Duration: 1.25	BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.018
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.009
opusing. 2 no	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08

▲ Maximum Reactions (lbs), or *=PLF						
	G	ravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Α	20	/-	/-	/22	/9	/32
В*	100	/-	/-	/50	/8	/-
Е	20	/-	/-	/12	/2	/-
Win	nd read	ctions b	ased on I	MWFRS		
Α	Brg V	Vidth =	6.5	Min Re	q = 1.3	5
В	Brg V	Vidth =	36.3	Min Re	q = -	
Е	Brg V	Vidth =	6.5	Min Re	q = 1.	5
Bearings A, B, & E are a rigid surface.						
Members not listed have forces less than 375#						

Lumber

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

Plating Notes

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

Loading

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

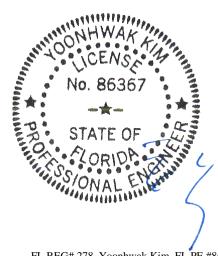
Purlins

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 1-4-6.



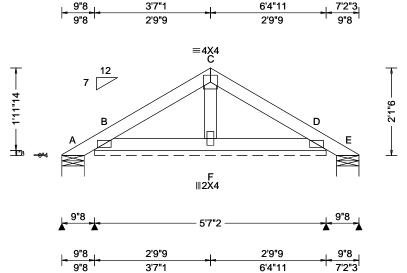
FL REG# 278, Yoonhwak Kim, FL PE #86367 03/16/2020

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.

SEQN: 307443 COMN Ply: 1 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T19 FROM: CDM /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1308.38930 Qty: 6 Truss Label: PB03 / YK 03/16/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/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): 0.001 F 999 360	!
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 F 999 240	1
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 F	ı
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 F	E
NCBCLL: 0.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0	١,
Soffit: 2.00	BCDL: 1.2 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.076	1:
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.044	H
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.016	li
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		li
	GCpi: 0.18	Plate Type(s):		┛.
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08	
Lumber				_

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL Α /-15 /33 /50 В* 86 /57 /28 /-/-15 /10 Wind reactions based on MWFRS Brg Width = 6.5 Min Req = 1.5Brg Width = 67.1 Min Req = Brg Width = 6.5 Min Req = 1.5Bearings A, B, & E are a rigid surface. Members not listed have forces less than 375#

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

Plating Notes

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

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

Additional Notes

Refer to General Notes for additional information Refer to DWG PB160101014 for piggyback details. The overall height of this truss excluding overhang is 2-1-6.



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

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

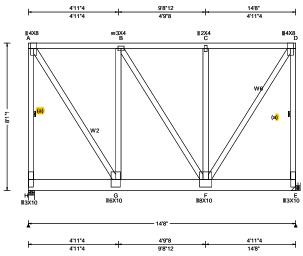
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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 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.



SEQN: 307439 FLAT Ply: 2 Job Number: 20-4025 Cust: R 215 JRef: 1WTM2150005 T18 /Turner-Gomez /ZECHER CONSTRUCTION DrwNo: 076.20.1308.59427 FROM: CDM Qty: 1 Truss Label: FLT01 / YK 03/16/2020

2 Complete Trusses Required



▲ Maximum Reactions (lbs) Non-Gravity Gravity Loc R+ /Rh /Rw /U /RL 5770 /-/1008 /-/-1077 /-6102 Wind reactions based on MWFRS Brg Width = 4.0н Min Rea = 2.4Brg Width = -Min Reg = -Bearing H 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. 261 - 1472 273 - 1551 273 - 1551

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x8 SP 2400f-2.0E; Webs: 2x4 SP #3; W2,W6 2x4 SP #2;

(a) Continuous lateral restraint equally spaced on

Nailnote

Nail Schedule:0.128"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) 30 plf at 0.00 to 30 plf at TC: From 14.67 BC: From 10 plf at 0.00 to BC: 541 lb Conc. Load at 0.73 0.00 to 10 plf at 14.67 BC: 1716 lb Conc. Load at 2.73, 4.73, 6.73

BC: 1727 lb Conc. Load at 8.73 BC: 1935 lb Conc. Load at 10.73 BC: 1934 lb Conc. Load at 12.73

Hangers / Ties

(J) Hanger Support Required, by others

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Wind

Wind loads and reactions based on MWFRS. End verticals not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information Truss must be installed as shown with top chord up. The overall height of this truss excluding overhang is 8-1-1.

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

1480 - 263

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. A - H 431 - 2381 F-D 2858 - 504 - 2434 A - G 2771 - 491 D - E 438



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

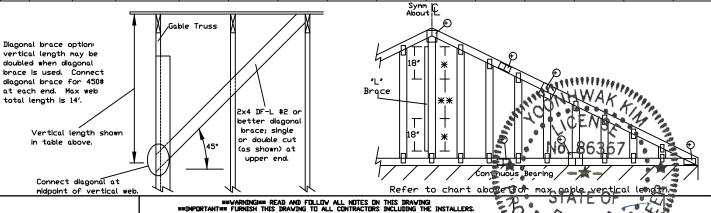
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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	Mind Spee	o, 15' Mea	n Height, F	artially Ei	nclosed, Ex	крosure и,	KZt = 1.00	,	
		2x4 Yertica	Brace	No	(1) 1×4 *L	" Brace *	(1) 2×4 *L	." Brace *	(2) 2×4 *L	" Brace **	(1) 2×6 ' L	." Brace *	(2) 2×6 *L	Brace **	i [
ے ا	Spacing	Species	Grade	Braces	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	
立		SDE	#1 / #2	4′ 3″	7′ 3″	7′ 7″	8′ 7 ″	8′ 11 ″	10′ 3″	10′ 8″	13′ 6″	14′ 0″	14′ 0″	14′ 0″	ıl
'o	.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″	i II
II ≃′	I -	HF	Stud	4′ 1″	6′ 7 ″	7′ 0 ″	8′ 6 ″	8′ 10 ″	10′ 1″	10′ 6 ″	13′ 4″	13′ 10″	14′ 0″	14′ 0″	i II
		1 11	Standard	4′ 1″	5′ 8 ″	6′ 0 ″	7′ 7″	8′ 1 ″	10′ 1″	10′ 6 ″	11' 10 "	12′ 8″	14′ 0″	14′ 0″	i II
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″	i II
	*	I SP	#2	4′ 3″	7′ 3″	7′ 7″	8′ 7 ″	8′ 11 ″	10′ 3″	10′ 8″	13′ 6″	14′ 0″	14′ 0″	14′ 0″	ı
	4		#3	4′ 2″	6′ 0 ″	6′ 4″	7′ 11 ″	8′ 6 ″	10′ 2″	10′ 7″	12′ 5 ″	13′ 4″	14′ 0″	14′ 0″	i II
		IDFL I	Stud	4′ 2″	6′ 0″	6′ 4″	7′ 11″	8′ 6 ″	10′ 2″	10′ 7″	12′ 5 ′	13′ 4″	14′ 0″	14′ 0″	ı
d			Standard	4′ 0″	5′ 3 ″	5′ 7 ″	7′ 0 ″	7′ 6″	9′ 6″	10′ 2″	11′ 0″	11′ 10″	14′ 0″	14′ 0″	i II
<u>U.U</u>		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″	ı
 		12LL	#3	4′ 8″	8′ 1 ″	8′ 8 ″	9′ 8″	10′ 1″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	ı
<u> </u>	Ų	HF	Stud	4′ 8″	8′ 1 ″	8′ 6 ″	9′ 8″	10′ 1″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	ı
Πà	Ιō	1 11	Standard	4′ 8″	6′ 11 ″	7′ 5″	9′ 3″	9′ 11″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	ı
\mathbb{I}			#1	5′ 1″	8′ 5 ″	8′ 9″	9′ 11″	10′ 4″	11′ 10″	12′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	ı
/		SP	#2	4′ 11″	8′ 4″	8′ 8″	9′ 10 ″	10′ 3″	11′ 8″	12′ 2″	14′ 0″	14′ 0″	14′ 0″	14' 0"	ı
	9	l	#3	4′ 9″	7′ 4″	7′ 9″	9′ 9″	10′ 2″	11′ 8″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	ı
ll o	 	DFL	Stud	4′ 9″	7′ 4″	7′ 9″	9′ 9″	10′ 2″	11′ 8″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	ı
<u> </u>			Standard	4′ 8″	6′ 5″	6′ 10 ″	8′ 7 ″	9′ 2″	11′ 7″	12′ 1″	13′ 6″	14′ 0″	14′ 0″	14′ 0″	ı
ll 목		SPF	#1 / #2	5′ 5″	9′ 2″	9′ 6″	10′ 10″	11′ 3″	11′ 8″	13′ 5″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	ן ע
<u> </u> ල	1	1	#3	5′ 1″	9′ 0″	9′ 4″	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
0	Ų	HF	Stud	5′ 1″	9′ 0″	9′ 4″	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	Ι'
	Ιo	1 11	Standard	5′ 1″	8′ 0″	8′ 6″	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
×	_		#1	5′ 8″	9′ 3″	9′ 8″	10′ 11″	11′ 4″	13′ 0″	13′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	l
ll d		SP	#2	5′ 5″	9′ 2″	9′ 6″	10′ 10″	11′ 3″	12′ 11″	13′ 5″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
MΣ	N	lde!	#3	5′ 3″	8′ 5 ″	9′ 0″	10′ 9″	11′ 2″	12' 10"	13′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	l
	; ;	DFL	Stud	5′ 3″	8′ 5 ″	9′ 0″	10′ 9″	11′ 2″	12′ 10″	13′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	l
I L			Standard	5′ 1″	7′ 5″	7′ 11″	9′ 11″	10′ 7″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	ı



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	No Splice
Less than 4' 0"	1X4 or 2X3
Greater than 4' 0"	3X4

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

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

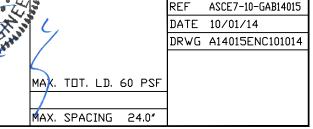


13723 Riverport Drive Suite 200 Maryland Heights, MO 63043 Trusses require extreme care in fabricating, handling, shipping, installing and bright. Refer to and foliow the latest edition of BCSI (Bullding Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. 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.

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

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

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



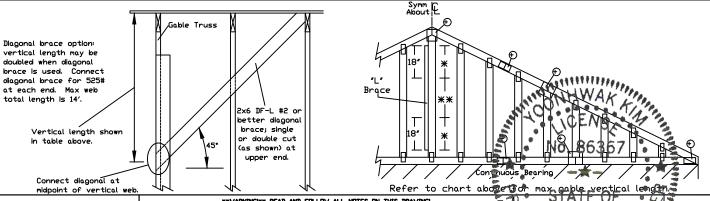
Gable Stud Reinforcement Detail

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

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

The 100 mph wind speed 30' Mean Height Porticily Enclosed Exposure D Kzt = 100

					⊔r	100 mpn	wind spee	a, 30° Meai	n Height, P	artially Er	iclosed, Ex	(posure J	Kzt = 1.00	<i>j</i>	_
		2x4 Vertica	Brace	No	(1) 1×4 *L	" Brace *	(1) 2×4 *L	." Brace *	(2) 2×4 *L	" Brace **	(1) 2x6 ' L	." Brace *	(2) 2×6 *L	Brace *	*
	Spacing	Species	Grade	Braces	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	
† 1			#1 / #2	4′ 1″	6′ 11″	7′ 2″	8′ 2″	8′ 6 ″	9′ 9″	10′ 2″	12′ 10″	13′ 4″	14′ 0″	14′ 0″	1
	l , ,	SPF	#3	3′ 10 ″	6′ 2 ″	6′ 7″	8′ 1″	8′ 5 ″	9′ 8″	10′ 0″	12′ 8″	13′ 2″	14′ 0″	14′ 0″]
D	ĮΨ	HF	Stud	3′ 10 ″	6′ 2 ″	6′ 6″	8′ 1 ″	8′ 5 ″	9′ 8″	10′ 0″	12′ 8″	13′ 2″	14′ 0″	14′ 0″]
>	O	1 11	Standard	3′ 10″	5′ 3″	5′ 7 ″	7′ 0″	7′ 6″	9′ 6″	10′ 0″	11′ 0″	11′ 10″	14′ 0″	14′ 0″]
ا به ا			#1	4′ 2″	7′ 0″	7′ 3″	8′ 3″	8′ 7 ″	9′ 10″	10′ 3″	13′ 0″	13′ 6″	14′ 0″	14′ 0″	1
	*	l SP	#2	4′ 1″	6′ 11″	7′ 2″	8′ 2 ″	8′ 6 ″	9′ 9″	10′ 2″	12′ 10 ″	13′ 4″	14′ 0″	14′ 0″	1
	4		#3	4′ 0″	5′ 7 ″	5′ 11″	7′ 5″	7′ 11″	9′ 8″	10′ 1″	11′ 7″	12′ 5″	14′ 0″	14′ 0″	1
	N	IDFL	Stud	4′ 0″	5′ 7 ″	5′ 11″	7′ 5″	7′ 11″	9′ 8″	10′ 1″	11′ 7″	12′ 5 ″	14′ 0″	14′ 0″	1
d			Standard	3′ 9″	4′ 11″	5′ 13 ″	6′ 6″	7′ 0″	8′ 10 ″	9′ 6″	10′ 3″	11′ 0″	13′ 11″	14′ 0″	1
<u>U</u>		CDE	#1 / #2	4′ 8″	7′ 11″	8′ 3″	9′ 4″	9′ 9″	11′ 2″	11′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
1	-	SPF	#3	4′ 5″	7′ 6″	8′ 3″	9′ 3″	9′ 7″	11′ 0″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
<u> </u>	o U	HF	Stud	4′ 5″	7′ 6″	8′ 0 ″	9′ 3″	9′ 7″	11′ 0″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
امَ	ا آ	1 11	Standard	4′ 5″	6′ 5 ″	6′ 10 ″	8′ 7 ″	9′ 2″	11′ 0″	11′ 6″	13′ 6″	14′ 0″	14′ 0″	14′ 0″	1
\			#1	4′ 10″	8′ 0 ″	8′ 4″	9′ 6″	9′ 10″	11′ 3″	11′ 9″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
/	*	SP	#2	4′ 8″	7′ 11″	8′ 3″	9′ 4″	9′ 9″	11′ 2″	11′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	╛
	Ú,	ا ــــــــــــــــــــــــــــــــــــ	#3	4′ 7″	6′ 10″	7′ 3″	9′ 1″	9′ 8″	11′ 1″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
lω	16	DFL	Stud	4′ 7″	6′ 10 ″	7′ 3″	9′ 1″	9′ 8″	11′ 1″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
			Standard	4′ 5″	6′ 0 ″	6′ 5″	8′ 0″	8′ 7 ″	10′ 10″	11′ 6″	12′ 7″	13′ 15″	14′ 0″	14′ 0″	1
		SPF	#1 / #2	5′ 2″	8′ 9 ″	9′ 1″	10′ 4″	10′ 9″	11′ 2″	12′ 9″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
abl	l . .	1	#3	4′ 10″	8′ 7 ″	8′ 11″	10′ 2″	10′ 7″	12′ 2 ″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
0	U	HF	Stud	4' 10"	8′ 7 ″	8′ 11″	10′ 2″	10′ 7″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
	Ō	1 11	Standard	4′ 10″	7′ 5 ″	7′ 11″	9′ 11″	10′ 7″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
$ \times $			#1	5′ 4″	8′ 10 ″	9′ 2″	10′ 5″	10′ 10″	12′ 5 ″	12′ 11″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
	*	SP	#2	5′ 2″	8′ 9 ″	9′ 1″	10′ 4″	10′ 9″	12′ 3″	12′ 9″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
M	ù	l	#3	5′ 0 ″	7′ 10″	8′ 4″	10′ 3″	10′ 8″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
	1,	DFL	Stud	5′ 0″	7′ 10″	8′ 4″	10′ 3″	10′ 8″	12′ 2″	12′ 8 ″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
			Standard	4′ 10″	6′ 11″	7′ 4″	9′ 3″	9′ 10″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	⅃



Suite 200

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

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

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

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

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

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

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

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

peak, splice, and heel plates.

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



CLR Reinforcing Member Substitution

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

Notes:

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

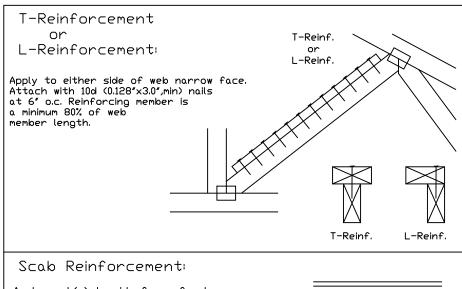
Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type.

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

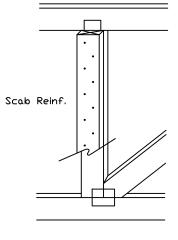
Web Member	Specified CLR	Alternative Reir	
Size	Restraint	T- or L- Reinf.	
2x3 or 2x4	1 row	2×4	1-2×4
2x3 or 2x4	2 rows	2×6	2-2×4
2×6	1 row	2×4	1-2×6
	2 rows	2×6	2-2×4(*)
2×8	1 row	2×6	1-2×8
2×8	2 rows	2×6	2-2×6(*)

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.



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 bridge, Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary pracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and botton chord shall have a properly attached right extended shall have properly attached right extracted and botton chord shall have a properly attached right extended to the shall have bracing installed per BCSI sections 83, 87 or 810, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 1604–Z for standard plate positions.

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

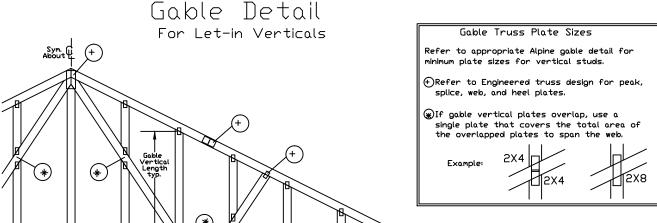
A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Bullding Designer per ANSI/TPI 1 Sec.2.

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

13723 Riverport Drive Maryland Heights, MO 63043

AN ITW COMPANY

PSF REF CLR Subst. DATE 01/02/19 **PSF** DRWG BRCLBSUB0119 RC LL PSF TDT. LD. PSF DVR. FAC. SPACING



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, A12003ENC100118, A12003ENC100118, A12003ENC100118, A12003ENC100118, S12015ENC100118, S1 \$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 %

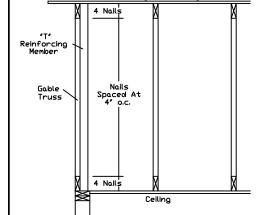
Example:

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



Rigid Sheathing

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

Trusses require extreme care in fabricating, handling, shipping, installing and pracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, br PI 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 celling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise.

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

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

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

For more information see this job's general notes page and these web sites 16202078 Yoonhwak Kim, FL PE #86367 ALPINE: www.alpineitw.com; TPI: www.tpinstorg; SBCA: www.sbcindustry.org; ICC: www.ccsafe.org #278

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

MAX. TOT. LD. 60 PSF

DUR. FAC. ANY MAX. SPACING 24.0"

13723 Riverport Drive Suite 200 Maryland Heights, MO 63043

AN ITW COMPANY

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

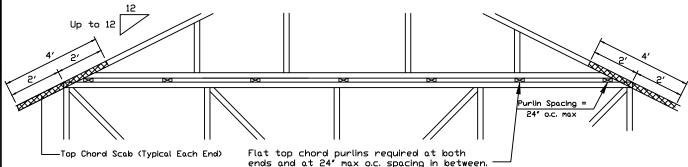
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0. Dr 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

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.

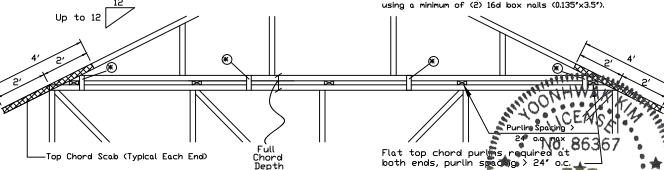
Attach purlin bracing to the flat top chord using (2) 16d box nails (0.135"x3.5").

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.

mainterioritation function for the survey of the survey of

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

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 Sec2.

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 DATE 10/01/14

DRWG PB160101014

PIGGYBACK

SPACING 24.0*

AN ITW COMPANY

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.

۵r

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

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''.

