#43364





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Y	17777777181818181818
Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 21-5954
Job Description: Arata	
Address: FL	×

Job Engineering Criteria:		
Design Code: FBC 7th Ed. 2020 Res.		IntelliVIEW Version: 21.01.01A
	=	JRef #: 1X9O2150001
Wind Standard: ASCE 7-16 Wind Speed (mph):	130	Design Loading (psf): 40.00
Building Type: Closed		

This package contains general notes pages, 42 truss drawing(s) and 5 detail(s).

Item	Drawing Number	Truss
1 .	288.21.0914.39627	A01
3	288.21.0914.30910	A03
5	288.21.0914.26480	A05
7	288.21.0914.21757	A07
9	288.21.0838.05118	A09
11	288.21.0838.05494	A10
13	288.21.0838.05588	A12
15	288.21.0914.18757	A14
17	288.21.0838.05555	A16
19	288.21.0838.04666	A18
21	288.21.0838.05259	A20
23	288.21.0914.16130	B01
25	288.21.0914.09207	B03
27	288.21.0838.05495	C01
29	288.21.0838.04806	C03
31	288.21.0838.05306	HJ02
33	288.21.0838.05009	J02
35	288.21.0838.05463	J04
37	288.21.0838.05120	J06
39	288.21.0838.05415	J08
41	288.21.0838.04634	PB02
43	A14015ENC160118	
45	BRCLBSUB0119	
47	PB160160118	N. S.

Item	Drawing Number	Truss
2	288.21.0914.33980	A02
4	288.21.0914.28533	A04
6	288.21.0914.23970	A06
8	288.21.0838.05119	A08
10	288.21.0838.05524	A09
12	288.21.0838.05291	A11
14	288.21.0838.05447	A13
16	288.21.0838.05244	A15
18	288.21.0838.04805	A17
20	288.21.0838.04650	A19
22	288.21.0838.05339	A21
24	288.21.0914.13257	B02
26	288.21.0914.11353	B03
28	288.21.0838.05338	C02
30	288.21.0838.05509	HJ01
32	288.21.0838.05337	J01
34	288.21.0838.05025	J03
36	288.21.0838.04978	J05
38	288.21.0838.04994	J07
40	288.21.0838.04681	PB01
42	288.21.0838.04807	PB03
44	A14030ENC160118	- A-N
46	GBLLETIN0118	Section Section 1

General Notes

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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:

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

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

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

CL = Certified lumber.

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

FRT = Fire Retardant Treated lumber.

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

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

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

g = green lumber.

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

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

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

Ic = Incised lumber.

FJ = Finger Jointed lumber.

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

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

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

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

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

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

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

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

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

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

PP = Panel Point.

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

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

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

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

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

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

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

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

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

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

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

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

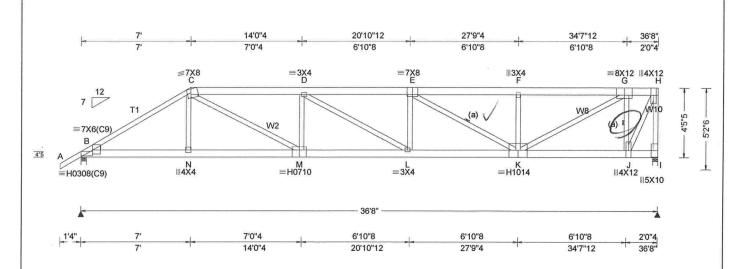
Refer to ASCE-7 for Wind and Seismic abbreviations.

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

References:

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

SEQN: 636334 HIPM Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 Ply: 1 FROM: CDM Qty: 1 Arata DrwNo: 288.21.0914.39627 Truss Label: A01 / YK 10/15/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 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: 3.67 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.348 L 999 240 VERT(CL): 0.700 L 626 180 HORZ(LL): 0.079 C HORZ(TL): 0.160 C Creep Factor: 2.0 Max TC CSI: 0.588 Max BC CSI: 0.567 Max Web CSI: 0.950
	Wind Duration: 1.60	HS, WAVE	VIEW Ver: 21.01.01A.0521.20
Lumber		Additional Notes	
Top chord: 2x6 SP 240 Bot chord: 2x6 SP 240 Webs: 2x4 SP #3; W2		The overall height of this to 4-5-5.	uss excluding overhang is

B 372	24 /-	<i>J</i> -	/-	/858	1-
1 369	2 /-	/-	/-	/912	1-
Wind re	eactions	based o	n MWFRS		
B Brg	Width :	= 4.0	Min R	eq = 3.1	
1 Brg	Width =	= 4.0	Min R	eq = 3.1	
m	e P & I	are a rin	id surface.		
Bearing	3001	are a rig			
			e forces les	ss than 3	375#
Membe	rs not lis	sted hav			
Membe Maxim	rs not lis um Top	ted have	e forces les	r Ply (lb:	s)
Membe Maxim	rs not lis um Top Tens.C	ted have	e forces les Forces Pe	r Ply (lb:	s)
Membe Maximi Chords	rs not lis um Top Tens.0 1569	chord I Comp.	e forces les Forces Per Chords	r Ply (lb: Tens.	s) Comp.

/Rh

Non-Gravity

/Rw /U

▲ Maximum Reactions (lbs)

Gravity

Loc R+

Maximum Bot Chord Forces Per Ply (lbs)					
Chords	Tens.Comp.	Chords	Tens.	Comp.	
B - N	5770 - 1328	L-K	8730	-2143	
N - M	5742 - 1331	K-J	2021	- 504	
M - L	8611 - 2095				

Maximum Web Forces Per Ply (lbs) Tens.Comp. Webs Webs N-C 767 F-K 450 0 - 906 C - M 3230 -842 K-G 5340 - 1306 M - D 513 - 1075 G-J 1005 - 3387 L-E 412 0 J-H 4149 - 1008 E-K 597 - 2457 H - I 884 -3720

Lt Wedge: 2x4 SP #3; Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

W8 2x4 SP M-31;

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Dur.Fac.=1.	25 / Plate D	Dur.Fac.=1.2	25)
63 plf at	-1.33 to	63 plf at	7.00
32 plf at	7.00 to	32 plf at	36.67
5 plf at	-1.33 to	5 plf at	0.00
20 plf at	0.00 to	20 plf at	7.03
10 plf at	7.03 to	10 plf at	36.67
Conc. Load	at 7.03		
Conc. Load	at 9.06,11	.06,13.06,1	5.06
21.06,23.06,	25.06,27.06	3,29.06,31.0	6
Conc. Load	at 7.03		
Conc. Load	at 9.06,11	.06,13.06,1	5.06
21.06,23.06,	25.06,27.06	,29.06,31.0	6
	63 plf at 32 plf at 5 plf at 20 plf at 10 plf at Conc. Load 21.06,23.06, Conc. Load Conc. Load	63 plf at -1.33 to 32 plf at 7.00 to 5 plf at -1.33 to 20 plf at 0.00 to 10 plf at 7.03 to Conc. Load at 7.03 Conc. Load at 9.06,11 21.06,23.06,25.06,27.06 Conc. Load at 7.03 Conc. Load at 9.06,11 20.06,21.06 at 9.06,11	32 plf at 7.00 to 32 plf at 5 plf at 1.33 to 5 plf at 20 plf at 0.00 to 20 plf at 10 plf at 7.03 to 10 plf at Conc. Load at 7.03 Conc. Load at 9.06,11.06,13.06,121.06,23.06,25.06,27.06,29.06,31.0

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

> FL REG# 278, Yoonhwak Kim, FL PE #86367 10/15/2021

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-2 for standard plate positions. Refer to job's General Notes page for additional information.

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.

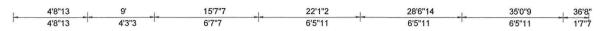


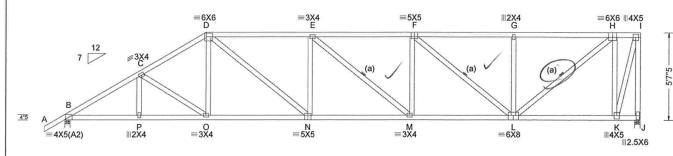
SEQN: 636337 Ply: 1 Job Number: 21-5954 FROM: CDM Qty: 1 Arata

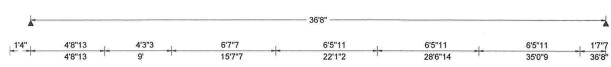
Truss Label: A02

Cust: R 215 JRef: 1X9O2150001 T18 DrwNo: 288.21.0914.33980 / YK 10/15/2021

6'4"6







Loading Criteria (psf)	Wind Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h
Spacing: 24.0 "	C&C Dist a: 3.67 ft Loc. from endwall: not in 9.00 ft

Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA **Building Code:** FBC 7th Ed. 2020 Res. 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): 0.164 E 999 240 VERT(CL): 0.338 E 999 180 HORZ(LL): 0.054 K HORZ(TL): 0.112 K Creep Factor: 2.0 Max TC CSI: 0.536 Max BC CSI: 0.725 Max Web CSI: 0.853 VIEW Ver: 21.01.01A.0521.20

Gravity			, N	Non-Gravity		
Loc	R+	/ R-	/Rh	/ Rw	/ U	/RL
В	1623	1-	1-	/957	/279	/207
J	1516	/-	1-	/770	/292	1-
Win	d read	tions b	ased or	MWFRS		
В	Brg V	Vidth =	4.0	Min Re	eq = 1.9	0
J	Brg V	Vidth =	4.0	Min Re	eq = 1.8	8
Bea	rings I	B&Ja	re a rigi	d surface.		
Mer	nbers	not liste	ed have	forces les	s than 3	375#
Max	imum	Top C	hord F	orces Per	Ply (lb	s)
Cho	rds T	ens.Co	mp.	Chords	Tens.	Ćomp
B - (0	934 -	2571	F-G	882	- 1851
C - I	D	965 -	2313	G-H	882	- 1851
	-	1001	0570	1.1	000	400
D - I	=	1201 - 1	25/8	H - I	203	- 430

Lumber

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

(a) Continuous lateral restraint equally spaced on member.

Wind Duration: 1.60

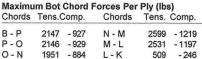
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

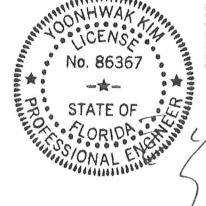
Additional Notes

The overall height of this truss excluding overhang is 5-7-5.



Maximum Web Forces Per Ply (lbs)

Tens.Comp. Tens. Comp. D-N 810 -444 L-H 1753 -830 N-E 350 - 385 H-K 797 - 1450 -758 - 887 K - I 1608 G-L 336 -418 710 - 1528



FL REG# 278, Yoonhwak Kim, FL PE #86367 10/15/2021

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



Suite 305 Orlando FL, 32821

Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T45 SEON: 636340 HIPM Plv: 1 DrwNo: 288.21.0914.30910 FROM: CDM Qty: 1 Arata Truss Label: A03 / YK 10/15/2021 5'8"13 17'2"10 23'3"9 29'4"7 36'8' 5'8"13 5'3"3 6'2"10 6'0"14 6'0"14 7'3"9 =3X5 ≡5X5 H =6X6 112X4 .6.9 (a) 9.9.2 4"5 $\equiv 5X5$ $\equiv 5X5$ 0 112X4 ≡3X4 4X6(B4) **∥2.5**X6 36'8" 5'8"13 5'3"3 6'2"10 6'0"14 6'0"14 7'3"9 5'8"13 11' 17'2"10 23'3"9 29'4"7 36'8 Defl/CSI Criteria ▲ Maximum Reactions (Ibs) Non-Gravity

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI C
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflecti
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL):
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL):
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL):
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.67 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): Creep Fact Max TC CS Max BC CS Max Web C
	Wind Duration: 1.60	WAVE	VIEW Ver:

Gravity tion in loc L/defl L/# Loc R+ / R-/Rh /Rw /U 0.164 E 999 240 0.303 F 999 180 1766 /-0.059 K 1762 /-/-/782 Wind reactions based on MWFRS B Brg Width = 4.0 Min Re 0.110 K tor: 2.0 Min Reg = 1.8 Brg Width = 4.0 Min Req = 2.1 SI: 0.987 Bearings B & J are a rigid surface. 0.773 SI: Members not listed have forces less than 375# CSI: 0.824 Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. VIEW Ver: 21.01.01A.0521.20

B-C	860 - 2830	F-G	672	- 1617
C-D	875 - 2465	G-H	672	- 1617
D-E	988 - 2470	H - I	672	- 1617
F-F	932 - 2306			

/RL

/248

/298 /-

Bracing

Lumber

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

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(a) Continuous lateral restraint equally spaced on member.

Loading

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

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 6-9-5



2479 - 1000 0 - N 2362 -898 2289 -931 L-K N - M 2060 -802

Maximum Web Forces Per Ply (lbs)

D - N	Tena.comp.		VVCD3	Teris. Comp.		
	400	-21	G-K	396	-490	
D - M	598	- 308	K - I	2163	- 900	
L-F	398	- 19	l - J	749	- 1624	
F-K	387	- 995				



FL REG# 278, Yoonhwak Kim, FL PE #86367 10/15/2021

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Cust: R 215 JRef: 1X9O2150001 T26 SEQN: 636342 HIPS Job Number: 21-5954 Ply: 1 DrwNo: 288.21.0914.28533 FROM: CDM Qty: 1 Arata Truss Label: A04 / YK 10/15/2021 6'8"13 18'3"4 23'4"12 28'8" 36'8" 13 6'8"13 6'3"3 5'3"4 5'1"8 5'3"4 ≡6X6 D ≡3X4 F **∥2**X4 ≅7X6 G 8'8"6 3,3,,2 4"5 N ∥2X4 = 5X5 =4X8 =3X4 =5X6 4X5(A2) ∥2.5X6 36'8" 6'8"13 6'3"3 5'3"4 5'1"8 5'3"4 6'8"13 13' 18'3"4 23'4"12 28'8' 36'8 anding Critoria (and Mind Critoria ▲ Maximum Reactions (Ibs)

Loading Criteria (pst)	wind Criteria
TCLL: 20.00	Wind Std: ASCE 7-16
TCDL: 10.00	Speed: 130 mph
BCLL: 0.00	Enclosure: Closed
BCDL: 10.00	Risk Category: II
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.67 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1 60
	Wind Duration: 1.60

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

Building Code: FBC 7th Ed. 2020 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): 0.123 E 999 240 VERT(CL): 0.234 E 999 180 HORZ(LL): 0.050 I HORZ(TL): 0.095 I Creep Factor: 2.0 Max TC CSI: 0.591 Max BC CSI: 0.648 Max Web CSI: 0.628

VIEW Ver: 21.01.01A.0521.20

Gravity Non-Gravity Loc R+ / R-/Rh /Rw /U /RL 1749 /-/214 1674 /-1-/823 /268 /-Wind reactions based on MWFRS Brg Width = 4.0 Min Reg = 2.1Brg Width = 4.0 Min Req = 2.0 Bearings B & I are a rigid surface. Members not listed have forces less than 375#

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

Lumber

(a) Continuous lateral restraint equally spaced on member.

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

Loading

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

Wind

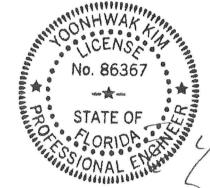
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 7-11-5.



Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords B-C 794 - 2779 E-F 786 - 1920 C-D 791 - 2295 F-G 786 - 1920 D-E 827 - 2083 G-H 614 - 1804

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	Comp.	Chords	Tens.	Comp.	
3 - N	2311	-702	L-K	2086	- 665	
N - M	2309	-703	K-J	1459	-434	
M - L	1893	- 562				

Maximum Web Forces Per Ply (lbs)

vvens	16115.0	Jonip.	vvens rens.		Comp.	
C - M	173	- 496	J - H	1521	-452	
D - M	456	-38	H - I	539	- 1606	
K-G	811	- 338				

FL REG# 278, Yoonhwak Kim, FL PE #86367 10/15/2021

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Cust: R 215 JRef: 1X9O2150001 T47 SEQN: 636344 HIPS Ply: 1 Job Number: 21-5954 DrwNo: 288.21.0914.26480 FROM: CDM Qty: 1 Arata / YK 10/15/2021 Truss Label: A05 5'3"11 10'1"14 15 20'10" 26'8" 31'6"2 31'7"11 36'8" 1"9 5'10' 5'3"11 4'10"2 4'10"2 5'10' 4'10"2 5'0"5 =5<u>X</u>6 1112X4 =5X6 ₹7X6 H 3X4 (a) 112X4 3'3"5 **B3** N ≡3X4 =5X5=3X8

4			36'8"		
1'4" ,	7'8"13	7'3"3	5'10"	5'10"	10'
	7'8"13	15'	20'10"	26'8"	36'8"

Loading	Criteria (psf)	Wind Criteria
TCLL: TCDL: BCLL: BCDL:	20.00 10.00 0.00 10.00	Wind Std: AS Speed: 130 m Enclosure: Clo Risk Category: EXP: C Kzt:
Des Ld: NCBCLL: Soffit: Load Dur Spacing:	10.00 2.00 ation: 1.25	Mean Height: TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Paral C&C Dist a: 3. Loc. from endy

0

Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft CDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.67 ft .oc. from endwall: not in 9.00 ft GCpi: 0.18

Wind Duration: 1.60

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

Building Code: FBC 7th Ed. 2020 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): 0.131 M 999 240 VERT(CL): 0.238 M 999 180 HORZ(LL): 0.057 J HORZ(TL): 0.104 J Creep Factor: 2.0 Max TC CSI: 0.467 Max BC CSI: 0.938 Max Web CSI: 0.655

VIEW Ver: 21.01.01A.0521.20

▲ Maximum Reactions (lbs) Gravity

Loc R+ /Rh /Rw / RL / R-/U В 1815 /989 /245 1794 1-1-/834 /35 Wind reactions based on MWFRS Brg Width = 4.0 Min Reg = 1.8 Brg Width = 4.0 Min Req = 1.5 Bearings B & J are a rigid surface.

Non-Gravity

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

	1. 0.1.00 0.000000000000000000000000000	120025-005-005			
B - C	731 - 2939	E-F	703	- 1853	
C-D	737 - 2750	F-G	703	- 1853	
D-F	708 - 2192	G-H	611	- 1869	

Lumber

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

(a) Continuous lateral restraint equally spaced on member.

4X6(B4)

Loading

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

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

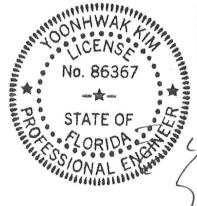
The overall height of this truss excluding overhang is 9-1-5.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.		
B - N	2460	-663	L-K	1543	- 357	
N - M	2166	- 558	K-J	1304	-352	
M - L	1824	-441				

Maximum Web Forces Per Ply (lbs)

vvens	16115.0	Jonip.	vvens	rens. comp.		
N-D	401	-34	F-L	322	- 384	
D - M	183	- 535	L-G	561	- 254	
E-M	694	-76	H - J	547	- 1968	



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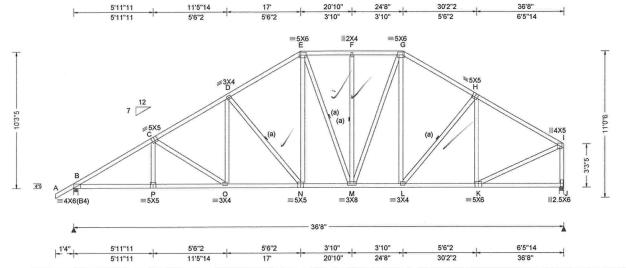
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HIPS Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T41 SEON: 636346 Ply: 1 DrwNo: 288.21.0914.23970 FROM: CDM Qty: 1 Arata YK 10/15/2021 Truss Label: A06



TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00
Load Dura	ation: 1.25
Spacing: 2	24.0 "

Loading Criteria (psf)

TCLL:

20.00

Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.67 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60

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

Building Code: FBC 7th Ed. 2020 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): 0.125 O 999 240 VERT(CL): 0.234 O 999 180 HORZ(LL): 0.051 J HORZ(TL): 0.094 J Creep Factor: 2.0 Max TC CSI: 0.657 Max BC CSI: 0.751 Max Web CSI: 0.589

VIEW Ver: 21.01.01A.0521.20

▲ Maximum Reactions (lbs) Gravity

Non-Gravity Loc R+ / R-/Rh /Rw /U / RL В 1772 /-/-/993 1277 1712 /-/840 128 Wind reactions based on MWFRS Brg Width = 4.0 Min Req = 1.8 Brg Width = 4.0 Min Req = 2.0 Bearings B & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens. Comp. Chords Tens.Comp.

B - C	630 - 2838	F-G	585	- 1587	
C-D	630 - 2452	G-H	575	- 1766	
D-E	618 - 1958	H - I	440	- 1735	
E-F	585 - 1587				

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

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

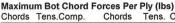
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

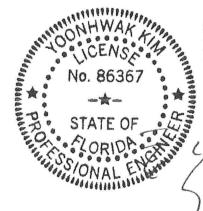
The overall height of this truss excluding overhang is 10-3-5.



B - P	Tella.Comp.		Cilolus	Tella. Comp.		_	
	2368	- 570	N - M	1610	- 320		
P - O	2366	- 571	M - L	1437	- 278		
0 - N	2033	-450	L-K	1436	- 309		

Maximum Web Forces Per Ply (lbs)

VVCDS	10113.0	Joinp.	VVCD3	TCI13.	comp.
C-0	144	- 386	M - G	415	- 158
0 - D	414	- 25	H - K	208	- 451
D - N	209	-676	K-1	1546	- 326
E-N	705	- 114	1 - J	416	- 1661



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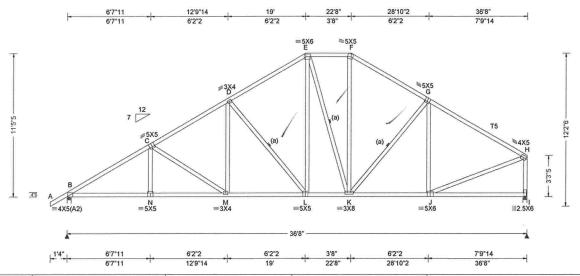
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Suite 305 Orlando FL, 32821

6750 Forum Drive

SEQN: 636348 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T22 Ply: 1 DrwNo: 288.21.0914.21757 FROM: CDM Qty: 1 Truss Label: A07 / YK 10/15/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.67 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.120 M 999 240 VERT(CL): 0.231 M 999 180 HORZ(LL): 0.046 I HORZ(TL): 0.088 I Creep Factor: 2.0 Max TC CSI: 0.657 Max BC CSI: 0.707 Max Web CSI: 0.570 VIEW Ver: 21.01.01A.0521.20

▲ Maximum Reactions (lbs) Non-Gravity Gravity Loc R+ /RL / R-/Rh /Rw /U 1724 В 147 /308 /994 1-/842 1646 124 Wind reactions based on MWFRS Brg Width = 4.0 Min Req = 2.0 Brg Width = 4.0 Min Req = 1.9 Bearings B & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp B-C C-D 544 - 2728 537 - 2276 E-F F-G 480 - 1311 508 - 1629 D-E 521 - 1704 G-H 399 - 1759

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

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

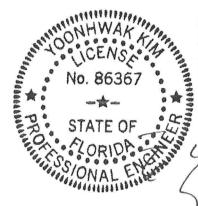
Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

The overall height of this truss excluding overhang is



Maximum Web Forces Per Ply (lbs)

Chords Tens.Comp.

2268 -488

2266 -489

1870 - 346

B-N

N - M

M-L

Maximum Bot Chord Forces Per Ply (lbs)

Chords

L-K

K-J

Tens. Comp.

- 198

- 256

1380

1434

Webs	Tens.C	Comp.	Webs	Tens. Comp.	
C-M	171	- 459	K-F	502	- 101
M - D	488	-30	J - H	1498	- 258
D-L	236	-780	H - I	363	- 1586
E 1	726	125			

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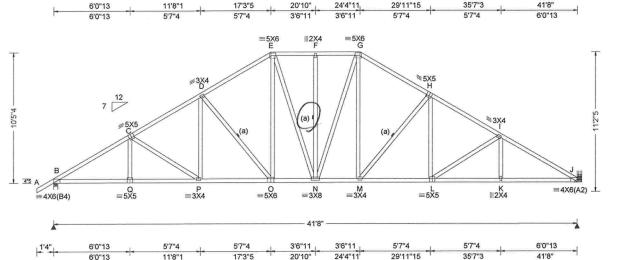
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For more informations, and the provide temporary and because of this drawing or any structure is the responsibility solely for the design shown. The suitability and use of this



Cust: R 215 JRef: 1X9O2150001 SEQN: 634040 / COMN Ply: 1 Job Number: 21-5954 DrwNo: 288.21.0838.05119 FROM: CDM Qty: 1 Arata YK 10/15/2021 Truss Label: A08



Loading Criteria (psf)	Wind Criteria	Snow Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.17 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18	Pg: NA Ct: Pf: NA Lu: NA Cs: Snow Duration Building Code: FBC 7th Ed. 20 TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10 Plate Type(s):

Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria Ct: NA CAT: NA PP Deflection in loc L/defl L/# VERT(LL): 0.171 O Ce: NA Cs: NA VERT(CL): 0.335 O 999 HORZ(LL): 0.082 J Duration: NA HORZ(TL): 0.160 J ing Code: Creep Factor: 2.0 7th Ed. 2020 Res Max TC CSI: 0.473 td: 2014 Max BC CSI: 0.806 Max Web CSI: 0.352 ac: Yes T:20(0)/10(0)

999 240 180 VIEW Ver: 21.01.01A.0521.20

	200					
A	Maxim	um Rea	ctions	(lbs)		
1	G	ravity		No	on-Grav	vity
Lo	c R+	/ R-	/ Rh	/ Rw	/ U	/RL
В	1898	<i>J-</i>	<i>J</i> -	/1078	/31	/295
J	1826	1-	1-	/1019	127	1-
W	ind read	ctions b	ased or	MWFRS		
В	Brg V	Vidth =	4.0	Min Re	q = 1.9)
J	Brg V	Vidth =	-	Min Re	g = -	
Be	aring B				•	
7557				forces less	than 3	375#
Ma	aximun	Top C	hord F	orces Per	Ply (lb	s)
				Chords		
В	- C	718 -	3126	F-G	671	- 1879
C.	- D	715 -	2734	G-H	701	-2229
D	- E	701 -:	2227	H - I	718	-2740
E.	·F	671 -	1879	1 - J	725	-3149

Maximum Bot Chord Forces Per Ply (lbs)

Chords

M - L

1 - K

K-J

Tens. Comp.

2277

2638

2640

- 279

-414

- 547

- 546

Tens.Comp.

2614 - 539

2274 -413

1841 - 278

Chords

В

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

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

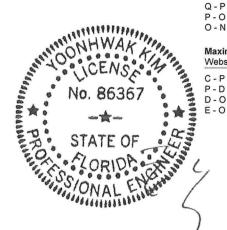
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

Refer to DWG PB160160118 for piggyback details. The overall height of this truss excluding overhang is 10-5-4.



Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. C - P P-D 426 -27 M - H 216 -694 D-0 215 -693 H-L 435 -32 E - 0 668 -118 L-I 159 -418

FL REG# 278, Yoonhwak Kim, FL PE #86367 10/15/2021

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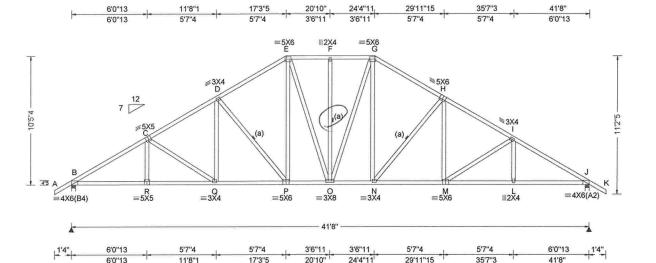
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For more information see these web sites: Alpine: alpineitw.com; TPI: binst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T9 / SEQN: 634044 / Ply: 1 DrwNo: 288.21.0838.05118 FROM: CDM Qty: 1 Arata Truss Label: A09 / YK 10/15/2021



TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00
Load Dura	ation: 1.25
Spacing:	24.0 "

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

Loading Criteria (psf)

Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.17 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60

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

Building Code: FBC 7th Ed. 2020 Res. 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): 0.171 P 999 240 VERT(CL): 0.335 P 999 180

HORZ(LL): 0.082 J HORZ(TL): 0.160 J Creep Factor: 2.0 Max TC CSI: 0.473 Max BC CSI: 0.805 Max Web CSI: 0.344

VIEW Ver: 21.01.01A.0521.20

В 1897 1-1-1-1827 Wind reactions based on MWFRS Brg Width = 4.0 Brg Width = 4.0 Bearings B & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.

B-C

C - D

▲ Maximum Reactions (lbs)

/Rh

Gravity

/ R-

Chords Tens. Comp 306 - 3124 F-G 261 - 1877 277 295 - 2732 -2226 G-H

Non-Gravity

/Rw

/1081

/1023

Min Req = 1.9

Min Req = 1.8

/ RL

/295

- 190

Bracing

Lumber

(a) Continuous lateral restraint equally spaced on

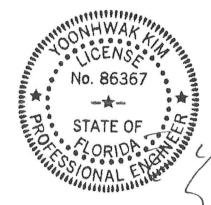
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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

Wind loading based on both gable and hip roof types.

Additional Notes

Refer to DWG PB160160118 for piggyback details. The overall height of this truss excluding overhang is 10-5-4.



D - E	211	- 2226	H - I	297	-2/35
E-F	261	- 1877	l - J	312	- 3137
Maximu	ım Bot	Chord I	orces Per	Ply (lbs	;)
Chords	Tens.C	Comp.	Chords	Tens.	Comp.
B-R	2614	- 184	0 - N	1841	0
R-Q	2613	- 185	N - M	2274	-50
O - P	2272	50	NA I	2626	101

P-0 1839 2628 Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. Webs Tens. Comp C 670 - 121 Q-D 426 -32 N - H 221 -692 D-P 221 -693 H - M 431 -36 E-P 668 - 121 M - I 169 -409

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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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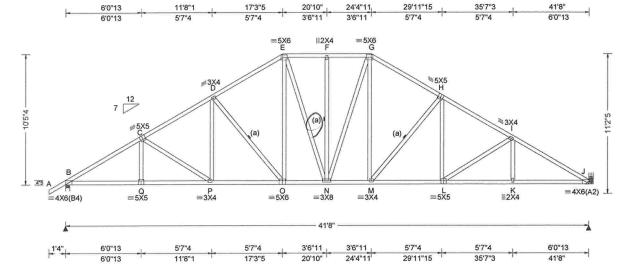
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Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 SEON: 634042 / COMN Ply: 1 DrwNo: 288.21.0838.05524 FROM: CDM Qty: 1 Arata / YK 10/15/2021 Truss Label: A09



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.171 O 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.335 O 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.082 J
Des Ld: 40.00 NCBCLL: 10.00	EXP: C Kzt: NA Mean Height: 15.00 ft	Building Code:	HORZ(TL): 0.160 J Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.473
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.806
Spacing: 24.0 "	C&C Dist a: 4.17 ft	Rep Fac: Yes	Max Web CSI: 0.352
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

▲ Maximum Reactions (lbs) Gravity Loc R+ /Rh

/Rw / RL /U / R-В 1898 1-/1078 /31 /295 1826 /-/1019 /27 Wind reactions based on MWFRS

Non-Gravity

Brg Width = 4.0 Min Req = 1.9 Brg Width = -Min Req = Bearing B is a rigid surface.

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

B-C	713 - 3126	F-G	667	- 1879
C-D	711 - 2734	G-H	697	- 2229
D-E	697 - 2227	H - I	714	-2740
E-F	667 - 1879	I - J	721	- 3149

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

Lumber

Top chord: 2x4 SP #2;

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

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

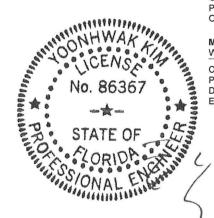
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-5-4.



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	Comp.	Chords	Tens.	Comp.
B - Q	2616	- 534	N - M	1843	- 277
Q-P	2614	- 535	M - L	2277	-411
P - O	2274	-410	L-K	2638	- 543
O - N	1841	-276	K-J	2640	- 542

Maximum Web Forces Per Ply (lbs)

Vebs	Tens.C	Comp.	Webs	Tens.	Comp.
- P	150	- 393	G-M	672	- 117
- D	426	- 27	M - H	215	- 694
0-0	214	-693	H-L	435	- 32
E - O	668	- 117	L - I	158	-418

FL REG# 278, Yoonhwak Kim, FL PE #86367 10/15/2021

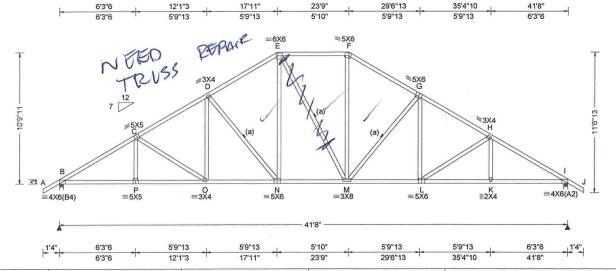
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Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T21 / SEQN: 634046 / HIPS Ply: 1 DrwNo: 288.21.0838.05494 FROM: CDM Qty: 1 Arata / YK 10/15/2021 Truss Label: A10



TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00
Load Dura	ation: 1.25
Spacing:	24.0 "

Loading Criteria (psf)

Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.17 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60

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

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

PROMINE PROMINE

Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.192 N 999 240 VERT(CL): 0.362 N 999 180 HORZ(LL): 0.089 I

HORZ(TL): 0.168 I Creep Factor: 2.0 Max TC CSI: 0.501 Max BC CSI: 0.783 Max Web CSI: 0.381

VIEW Ver: 21.01.01A.0521.20

▲ Maximum Reactions (lbs) Gravity

E-F

/RL R+ /Rh /Rw /U В 1973 /-/1078 /30 /316 1967 1-/1078 Wind reactions based on MWFRS Brg Width = 4.0Min Req = 2.0 Brg Width = 4.0 Min Req = 2.0 Bearings B & I are a rigid surface. Members not listed have forces less than 375#

Non-Gravity

Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 683 - 3265 F-G 659 - 2308 C-D 677 - 2851 G-H 677 -2839 D-E 662 - 2330 H - I - 3255

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

Bracing (a) Continuous lateral restraint equally spaced on member.

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

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-9-11.

Maximum Bot Chord Forces Per Ply (lbs)

619 - 1923

	9/00000	Comp.	
M - L	2360	- 350	
L-K	2724	- 486	
K-I	2725	-485	
)	L-K	M - L 2360 L - K 2724 K - I 2725	M - L 2360 - 350 L - K 2724 - 486 K - I 2725 - 485

Maximum Web Forces Per Ply (lbs)

Tens.C	comp.	vvebs	Tens.	Comp.
161	-417	M-F	754	- 107
436	- 31	M - G	215	-704
216	-705	G-L	439	- 32
784	- 111	L-H	162	-421
	161 436 216	161 -417 436 -31 216 -705 784 -111	161 -417 M - F 436 -31 M - G 216 -705 G - L	161 -417 M-F 754 436 -31 M-G 215 216 -705 G-L 439

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6750 Forum Drive Suite 305 Orlando FL, 32821

Cust: R 215 JRef: 1X9O2150001 T10 / SEQN: 634048 / HIPS Ply: 1 Job Number: 21-5954 DrwNo: 288.21.0838.05291 FROM: CDM Qty: 1 Arata / YK 10/15/2021 Truss Label: A11 41'8' 20'10" 25'9" 35'1"3 6'1"13 11'10" 15'11" 6'6"13 4'11 6'1"13 5'8"3 4'1' 4'11' =5X6 ∥2×4 =5X6 ₹5X5 106 45 A =3X4 ≡3X4 =6X8 RS ≡6X8 ∥2X4 ≡6X8 |||2X4 ≡4X6(A2) =8X16 =8X14 =4X6(B4) 41'8' 4'11' 4'11" 3'3" 6'1"3 6'6"13 6'1"13 35'1"3 41'8 11'10' 15'11' 20'10' 25'9" ▲ Maximum Reactions (lbs) Non-Gravity

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.212 F 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0,414 F 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.112 J
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.219 J
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.520
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.747
Spacing: 24.0 "	C&C Dist a: 4.17 ft	Rep Fac: Yes	Max Web CSI: 0.990
opaonig. 24.0		FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

Gravity

Loc R+ /Rh /Rw /U /RL /1074 /34 /284 В 1895 /-/-/-/1074 /34 1895 /-Wind reactions based on MWFRS Brg Width = 4.0 Min Req = 1.9 Brg Width = 4.0 Min Reg = 1.9 Bearings B & J are a rigid surface. Members not listed have forces less than 375#
Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

B-C	760 - 3125	F-G	792	- 2355
C-D	865 - 3229	G-H	818	-2624
D-E	811 - 2636	H - I	846	-3120
E-F	792 - 2355	I - J	761	-3116

Bracing

Lumber

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

(a) Continuous lateral restraint equally spaced on member.

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

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

Wind loading based on both gable and hip roof types.

Additional Notes

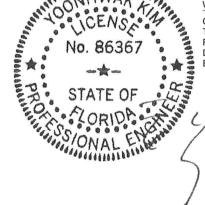
The overall height of this truss excluding overhang is 9-7-11.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	Comp.	Chords	Tens.	Comp.
B - T	2614	- 552	P-0	2211	- 366
R-Q	2715	- 520	O - M	2612	- 487
Q - P	2213	- 371	L-J	2603	- 547

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

10110.0	onijo.	******	10110.	O 0 1111 P 1	
187	-457	O - H	257	- 859	
2599	- 549	G - O	817	- 163	
680	- 112	H - M	687	- 122	
256	- 865	M - L	2579	- 544	
784	- 142	L-I	179	- 399	
	187 2599 680 256	187 - 457 2599 - 549 680 - 112 256 - 865 784 - 142	187 -457 O - H 2599 -549 G - O 680 -112 H - M 256 -865 M - L	187 -457 O - H 257 2599 -549 G - O 817 680 -112 H - M 687 256 -865 M - L 2579	187 -457 O - H 257 -859 2599 -549 G - O 817 -163 680 -112 H - M 687 -122 256 -865 M - L 2579 -544



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6750 Forum Drive Suite 305 Orlando FL, 32821

Cust: R 215 JRef: 1X9O2150001 SEQN: 634053 / Job Number: 21-5954 Ply: 1 DrwNo: 288.21.0838.05588 Qty: 1 Arata FROM: CDM 10/15/2021 / YK Truss Label: A12 41'8" 18'7" 23'3" 35'1"3 6'1"13 11'10" 5'8"3 4'8' 6'1"3 6'6"13 6'1"13 =5X6 H ≡5X6 F ₹3X4 ₹5X5 ∌5X5 106 ≡6X8 P |||7X6 = 3X4 TU ≡6X8 ≡6X8 =8X14 =8X14 =4X6(A2) 4X6(B4) 6'1"13 5'8"3 2'1" 4'8" 4'8' 2'3" 3'6" 6'1"3 6'6"13 25'6 29 35'1"3 6'1"13 11'10' 13'11' 18'7 23'3 41'8 ▲ Maximum Reactions (lbs) Non-Gravity Gravity

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.225 Q 999 240 VERT(CL): 0.464 Q 999 180 HORZ(LL): 0.105 K - HORZ(TL): 0.217 K - Creep Factor: 2.0 Max TC CSI: 0.486 Max BC CSI: 0.699
Spacing: 24.0 "	C&C Dist a: 4.17 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Max Web CSI: 0.974 VIEW Ver: 21.01.01A.0521.20

R+ /Rw Loc В 1800 /-1-/1066 /33 /288 1800 /-/-/1070 /80 Wind reactions based on MWFRS Brg Width = 4.0 Min Req = 1.8 Brg Width = 4.0 Min Req = 1.8 Bearings B & K are a rigid surface. Members not listed have forces less than 375#

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

B - C	778 - 2947	G-H	783	- 2342
C-D	882 - 3006	H - I	778	- 2388
D-E	868 - 2619	l - J	809	- 2902
E-F	857 - 2476	J-K	730	- 2936
F-G	857 - 2476			

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

Lumber

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

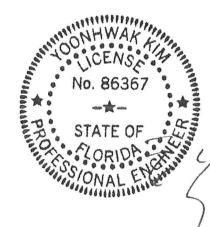
All plates are 2X4 except as noted.

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is



Maximum Bot Chord Forces Per Ply (lbs)

Chords B - V	Tens.Comp.		ens.Comp. Chords		Tens. Comp.		
	2462	- 564	Q-P	2453	-498		
T - S	2522	- 534	P - N	2423	- 456		
S-R	2220	-443	M - K	2449	- 522		
R-Q	2454	-497					

Maximum Web Forces Per Ply (lbs)

vvebs	rens.c	omp.	vvebs	rens.	Comp.	
C - V	190	-421	G-P	562	- 1481	
V - T	2445	- 561	H-P	2136	-713	
T - D	717	- 142	P-1	256	-841	
D - S	256	- 859	1 - N	671	- 112	
E-S	727	- 169	N - M	2428	- 519	
E-R	468	- 203				

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



Suite 305 Orlando FL, 32821

Cust: R 215 JRef: 1X9O2150001 SEQN: 634056 / SPEC Ply: 1 Job Number: 21-5954 DrwNo: 288.21.0838.05447 FROM: CDM Qty: 1 10/15/2021 / YK Truss Label: A13 6'1"13 11'11" 16'5"4 21'3" 25'6" 35'1"3 41'8" 4'9"12 3'6' 6'6"13 6'1"13 5'9"3 4'6"4 4'3' 6'1"3 112X4(₹3X4 ≡7X6 DE \$5X5 **∌**3X4 ≡3X8 Q ≡5X6 P ≡4X10 ≡6X8 ST =6X8 =8X14 =8X14 =4X6(A2) 4X6(B4) 41'8" 5'8"3 4'9"12 4'3" 3'6" 6'1"3 6'6"13 6'1"13 4'7"4 11'10" 16'5"4 21'3" 25'6' 29 35'1"3 41'8' 6'1"13 ▲ Maximum Reactions (lbs) Non-Gravity Gravity

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00	Wind Std: ASCE 7-16 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): 0.247 Q 999 240 VERT(CL): 0.510 Q 973 180 HORZ(LL): 0.111 K HORZ(TL): 0.229 K -
NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.17 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Creep Factor: 2.0 Max TC CSI: 0.489 Max BC CSI: 0.702 Max Web CSI: 0.935 VIEW Ver: 21.01.01A.0521.20

Loc R+ /Rh /Rw /U /R В 1800 /-/1058 /34 /288 1800 /-/-/1065 /69 Wind reactions based on MWFRS Brg Width = 4.0 Min Reg = 1.8 В Brg Width = 4.0 Min Req = 1.8 Bearings B & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens Comp B - C 797 - 2948 - 2389 C-D 908 - 3010 H-1 754 - 2388

D-E E-F 956 - 2899 1 - J 786 -2901 945 - 2857 J-K - 2936 711 F-G 945 - 2857

Bracing

Lumber

Top chord: 2x4 SP #2;

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

(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.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 9-9-7



Chords B - U	Tens.Comp.		Chords	Tens. Comp.	
	2463	- 581	Q-P	2981	- 676
S-R	2496	- 548	P - N	2422	- 442
R-Q	2983	-675	M-K	2449	- 505

Maximum Web Forces Per Ply (lbs)

Vebs	Tens.C	Comp.	Webs	Tens. (Comp.
C - U	194	- 425	P-1	253	- 836
J - S	2455	- 578	H-P	2097	- 654
8 - E	778	-241	1 - N	670	- 112
- R	602	-233	N - M	2428	- 503
3 - P	605	- 1676			

FL REG# 278, Yoonhwak Kim, FL PE #86367 10/15/2021

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Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T19 SEON: 403093 SPEC Ply: 1 DrwNo: 288.21.0914.18757 FROM: CDM Qty: 1 Arata Truss Label: A14 / YK 10/15/2021 35'1"3 5'8"13 15'11"4 20'4" 25'6' 41'8" 5'8"13 5'3"3 4'11"4 4'4"12 5'2" 3'6' 6'1"3 6'6"13 ≡5X6 G ₹5X5 ≤6X10(SRS) ₹3X4 106 = 3X4 =5X6 =4X10 =6X8 ∥2X4 =8X14 ≡4X6(A2) 4X6(B4) 6'1"3 5'8"13 11'3"8 11'10" 15'11"4 20'4' 25'6' 35'1"3 41'8' ▲ Maximum Reactions (lbs) ,Pf in PSF) Defl/CSI Criteria

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg.
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA
TCDL: 10.00	Speed: 130 mph	Pf: NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.17 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18	Building Code: FBC 7th Ed. 2020 F TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):

Wind Duration: 1.60

CAT: NA PP Deflection in loc L/defl L/# VERT(LL): 0.268 O 999 240 Ce: NA VERT(CL): 0.553 O 897 180 HORZ(LL): 0.119 J HORZ(TL): 0.245 J Creep Factor: 2.0 Max TC CSI: Res. 0.484 Max BC CSI: 0.779 Max Web CSI: 0.936 Plate Type(s): VIEW Ver: 21.01.01A.0521.20 WAVE

		ravity	CHOIIS		on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/RL
В	1825	<i>I</i> -	/-	/1074	/40	/284
J	1731	/-	/-	/1005	/56	1-
Win	d reac	tions b	ased or	MWFRS		
В	Brg V	Vidth =	4.0	Min Re	q = 1.8	3
J	Brg V	Vidth =	4.0	Min Re	q = 1.7	7
Bea	rings	B&Ja	re a rigi	d surface.		
Men	nbers	not liste	ed have	forces less	s than	375#
Max	imum	Top C	hord F	orces Per	Ply (lb	s)
Cho	rds T	ens.Co	mp.	Chords	Tens.	Ćomp.
B - 0	2	802 -	2949	F-G	732	- 2411
C - I)	933 -	3087	G-H	748	- 2390
D - I	Ε	856 -	2630	H - I	783	- 2905

709 - 2948

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

Bracing

Lumber

(a) Continuous lateral restraint equally spaced on member.

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 9-9-7.

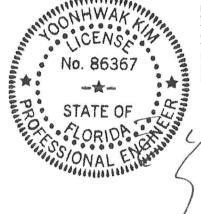


1006 - 3102

Maximum Bot Chord Forces Per Ply (lbs)

E-F

Webs Tens.Comp. Webs Tens. Comp. C - T 204 - 456 G-N 2063 -625 2457 - 608 T-R N-H 250 -825 D-R 674 1193 - 289 H-L - 120 R-E 255 -695 L-K 2441 - 524



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6750 Forum Drive Suite 305 Orlando FL, 32821

Cust: R 215 JRef: 1X9O2150001 SEQN: 634060 / SPEC Ply: 1 Job Number: 21-5954 DrwNo: 288 21 0838 05244 FROM: CDM Qty: 1 Arata 10/15/2021 Truss Label: A15 / YK 4'8"13 11'10" 18'4" 21'11" 25'6" 35'1"3 41'8" 3'6 4'8"13 4'3"3 2'10' 6'6' 6'1"3 6'6"13 =5X6 **€6X8 ≢5X10(SRS** ≡6X8 D 106 B2 **B3** 0 |||7X6 =7X8 Q R ≡7X10 =6X8 =4X16 =4X6(A2) =8X14 4X6(B4) 41'8" 6'1"3 6'6"13 4'8"13 4'3"3 2'10" 6'6" 7'2" 3'6" 11'10" 18'4' 25'6' 29 35'1"3 41'8 4'8"13

Loading Cr	riteria (psf)	Wind Criteria	Snow Criteria (Pg	,Pf in PSF)	Defl/CSI Criteria		
TCDL: 10 BCLL: 0	0.00 0.00 0.00 0.00	Speed: 130 mph Enclosure: Closed	Pg: NA Ct: NA Pf: NA Lu: NA Cs: NA Snow Duration: NA	Ce: NA	PP Deflection in 10 VERT(LL): 0.374 VERT(CL): 0.751 HORZ(LL): 0.129	F 999 F 661 K -	L/# 240 180
NCBCLL: 1	2.00 on: 1.25	Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.17 ft Loc. from endwall: not in 13.00 ft	Building Code: FBC 7th Ed. 2020 F TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	₹es.	HORZ(TL): 0.259 Creep Factor: 2.0 Max TC CSI: 0.9 Max BC CSI: 0.8 Max Web CSI: 0.9	928 866 962	-
		Wind Duration: 1.60	WAVE		VIEW Ver: 21.01.0	1A.0521.	20

▲ Maximum Reactions (lbs) Gravity

Non-Gravity Loc R+ /Rw / RI /Rh / R-/U 1851 /-/1046 /44 /277 1786 1-/-/1001 /45 Wind reactions based on MWFRS Brg Width = 4.0 В Min Req = 1.9Brg Width = 4.0 Min Reg = 1.8 Bearings B & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

B - C	824 - 3061	G - H	719	-2521
C-D	834 - 2787	H - I	726	- 2527
D-E	1119 - 3630	l - J	760	-3033
E-F	1123 - 3644	J-K	690	- 3054
F-G	1466 - 5098			

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; B2,B3 2x4 SP M-31; Webs: 2x4 SP #3; W9 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 9-9-7.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.		
B-T	2571	- 644	P-0	2960	- 586	
T - S	2571	-645	O - M	2534	-434	
Q-P	4358	- 1023	L-K	2553	- 510	

Maximum Web Forces Per Ply (lbs)

	_	
355		
321		
331		
118		
508		
383		
	655 821 631 118 508 383	

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Cust: R 215 JRef: 1X9O2150001 SEQN: 634089 / SPEC Ply: 1 Job Number: 21-5954 DrwNo: 288.21.0838.05555 FROM: CDM Qty: 1 Arata Truss Label: A16 / YK 10/15/2021 11'10' 35'1"3 16'4" 20'11' 41'8' 4'10' 6'1"3 6'6"13 =6X6 \$5X5 W10 ≡SS0712 ∥2X4 D WA W13 106 P ∥2X4 =H1014 =6X8 B4 K ≡H0510 ∥2X4 =5X10 ≡3X10(B3) 6'1"3 11'10' 16'4' 25'6 35'1"3 20'11 41'8 Loading Criteria (psf) ▲ Maximum Reactions (lbs) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria 20.00 Wind Std: ASCE 7-16 Pa: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/# TCLL: Speed: 130 mph VERT(LL): 0.597 E 832 240 TCDI · 10.00 Pf: NA Ce: NA Enclosure: Closed VERT(CL): 1.219 E BCLL: 0.00 Lu: NA Cs: NA 407 180 Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.194 J EXP: C Kzt: NA HORZ(TL): 0.396 J 40.00 Des Ld: Mean Height: 15.00 ft Creep Factor: 2.0 NCBCLL: 10.00

Lumber

Soffit:

Top chord: 2x4 SP #2; T1,T2 2x4 SP M-31; Bot chord: 2x4 SP M-31; B1 2x6 SP 2400f-2.0E; B4 2x4 SP #2;

Webs: 2x4 SP #3; W2,W4,W7,W8,W10,W13 2x4 SP #2;

TCDL: 5.0 psf

BCDL: 5.0 psf

C&C Dist a: 4.17 ft

MWFRS Parallel Dist: 0 to h/2

GCpi: 0.18 Wind Duration: 1.60

Loc. from endwall: not in 13.00 ft

W3 2x4 SP M-31; Lt Wedge: 2x4 SP #3;

2.00

Load Duration: 1.25

Spacing: 24.0 "

(a) Continuous lateral restraint equally spaced on

Special Loads

(Lumber	Dur.Fac.=1.	.25 / Plate [Dur.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	9.21
TC: From	63 plf at	9.21 to	63 plf at	41.67
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	9.21
BC: From	20 plf at	9.21 to	20 plf at	41.67
TC: 441 lb	Conc. Load	at 7.03	17-50 News 15-15-15	
BC: 526 lb	Conc. Load	at 7.03		
BC: 1201 lb	Conc Load	at 9.21		

Plating Notes

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

Wind

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.

Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014

Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): HS, WAVE, 18SS

Additional Notes

The overall height of this truss excluding overhang is

Max TC CSI:

Max BC CSI:

Max Web CSI: 0.931

VIEW Ver: 21.01.01A.0521.20

0.840

0.958

	G	ravity		No	on-Gra	vity
Loc	R+	/ R-	/Rh	/ Rw	/ U	/RL
В	3472	/-	/-	/-	/493	1-
J	2138	/-	/-	1-	/326	/-
Wir	nd read	tions b	ased on	MWFRS		
В	Brg V	Vidth =	4.0	Min Re	q = 2.9)
J	Brg V	Vidth =	4.0	Min Re	q = 2.5	5
Bea	rings I	3&Ја	re a rigid	surface.		
Mer	mbers	not liste	ed have	forces less	s than 3	375#
Max	kimum	Top C	hord Fo	rces Per	Ply (lb	s)
Cho	ords T	ens.Co	mp.	Chords	Tens.	Comp.
D	^	000	2000	F 0	400	2204

B-C	868 - 6290	F-G	499	- 3301	
C-D	1181 -8836	G-H	494	-3285	
D-E	1187 - 8889	H - I	597	- 3847	
F-F	789 - 5413	1 - 11	582	- 3724	

Maximum Bot Chord Forces Per Ply (Ibs)

Chords	Tens.Comp.	Chords	Tens. Comp.	
B - S	5338 - 715	0 - N	4511	- 647
Q-P	8738 - 1210	N-L	3239	- 484
P - O	8741 - 1213	K-J	3129	- 471

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens. Comp.	
C - Q	4123	- 567	F-N	394	-2812
S - Q	5306	-695	N - H	158	- 915
Q-R	474	-4	G-N	3004	-386
Q-E	186	- 587	H-L	768	-70
E-0	675	- 5027	L-K	3101	- 469
0-F	2974	-342	K - I	166	- 509



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SEQN: 396062 / SPEC Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 FROM: CDM DrwNo: 288.21.0838.04805 Qtv: 1 Arata Truss Label: A17 / YK 10/15/2021 27'0"5 32'4" **3**X4 4*5 N 115X6 M 1112X4 ≡3X4 =3X8 ≡5X5 =5X5 =3X6(B1) 32'4 17'4 24'7"3 32'4" Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) Wind Std: ASCE 7-16 Speed: 130 mph Pg: NA Non-Gravity TCLL: 20.00 CAT: NA PP Deflection in loc L/defl L/# Gravity Ct: NA R+ /Rh /U /RL / R-Loc /Rw TCDL: VERT(LL): 0.102 K 999 240 10.00 Pf: NA Ce: NA BCLL: 0.00 Enclosure: Closed Lu: NA Cs: NA VERT(CL): 0.204 K 999 180 N /708 140 /225 Risk Category: II EXP: C Kzt: NA BCDL: 10.00

Lumber

Des Ld:

Soffit:

NCBCLL: 10.00

Spacing: 24.0 "

Load Duration: 1.25

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

40.00

2.00

(a) Continuous lateral restraint equally spaced on

Mean Height: 15.00 ft

C&C Dist a: 3.23 ft

MWFRS Parallel Dist: h to 2h

GCpi: 0.18 Wind Duration: 1.60

Loc. from endwall: not in 9.00 ft

TCDL: 5.0 psf

BCDL: 5.0 psf

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is



FBC 7th Ed. 2020 Res. Max TC CSI: 0.393 TPI Std: 2014 Max BC CSI: 0.715 Rep Fac: Yes Max Web CSI: 0.690 FT/RT:20(0)/10(0) Plate Type(s): WAVE

VIEW Ver: 21.01.01A.0521.20

1370 /-1416 /-1-Н /787 /15 Wind reactions based on MWFRS Brg Width = -Min Rea = Brg Width = 4.0 Min Req = 1.7 Bearing H is a rigid surface. Members not listed have forces less than 375#

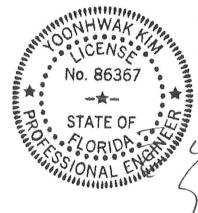
Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

B - C	508 - 2006	E-F	480	- 1583	
C-D	487 - 1576	F-G	523	-2186	
D - E	454 - 1303	G - H	519	-2378	

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

L-K	1667	- 280	1 - H	1985	- 378
L-K	1667	- 280	I - H	1985	- 378
M - L	1978	-405	J - I	1661	- 261
IA - IAI	1983	- 402	K-J	1280	- 137

Webs Webs Tens. Comp. Tens.Comp. N-B 576 - 2292 533 - 110 C-K 217 - 589 J-F 198 - 566 451 - 134 442 -47



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6750 Forum Drive Suite 305 Orlando FL, 32821

SPEC SEON: 633497 / Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T32 / FROM: CDM Qty: 1 Arata DrwNo: 288.21.0838.04666 Truss Label: A18 / YK 10/15/2021 24'5"13 19'4" 32'4" 5'2' 5'10"3 ≅5X5 E 7 12 3X4 4X5(SRS)=5X6 114X4 $\equiv 3X4$ =5X5 ≡3X4 =6X8 114X6 112.5X6 115X6 5'1"13 5'10"3 13' 26'5"13 Loading Criteria (psf) Snow Criteria (Pg,Pf in PSF) Wind Criteria Defl/CSI Criteria ▲ Maximum Reactions (lbs) Non-Gravity 20.00 Wind Std: ASCE 7-16 Ct: NA CAT: NA Gravity TCLL: Pg: NA PP Deflection in loc L/defl L/# Speed: 130 mph R+ / R-/Rh /Rw /U /RL TCDL: 10.00 Pf. NA VERT(LL): 0.099 M Ce: NA 999 240 Enclosure: Closed BCLL: 0.00 Lu: NA Cs: NA VERT(CL): 0.197 M 999 180 1406 /-/742 /231 /164 1-Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.040 I 1396 /-1*l*753 /226 EXP: C Kzt: NA HORZ(TL): 0.080 I Wind reactions based on MWFRS 40.00 Des Ld: Mean Height: 15.00 ft Brg Width = 4.0 Min Req = 1.7 **Building Code:** Creep Factor: 2.0 NCBCLL: 10.00 TCDL: 5.0 psf Brg Width = 4.0 FBC 7th Ed. 2020 Res. Max TC CSI: Min Reg = 1.6 0.606 Soffit: 2.00 BCDL: 5.0 psf Bearings P & I are a rigid surface. TPI Std: 2014 Max BC CSI: 0.588 Load Duration: 1.25 MWFRS Parallel Dist: h/2 to h Members not listed have forces less than 375# Rep Fac: Yes Max Web CSI: 0.565 Spacing: 24.0 " C&C Dist a: 3.23 ft Maximum Top Chord Forces Per Ply (lbs) Loc. from endwall: not in 9.00 ft FT/RT:20(0)/10(0) Chords Tens.Comp. Chords Tens. Comp. GCpi: 0.18 Plate Type(s): B-C 641 - 2239 Wind Duration: 1.60 VIEW Ver: 21.01.01A.0521.20 E-F WAVE

Lumber

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

Bracing

(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.

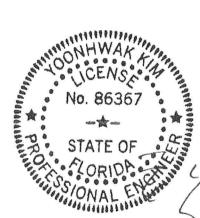
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 7-11-5



629 - 1788 610 - 1774 C-D 629 - 1828 F-G 597 - 1494 D-E 550 - 1821 G-H

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.		
P-0	2140	- 575	M - L	1506	- 355	
O - N	2135	- 580	L-K	1819	- 502	
N - M	1869	-482	K-J	1499	-404	

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens.	Comp.
P-B	682 - 2490	F-K	254	-719
C - M	173 -492	K-G	794	- 239
D - M	543 - 58	J - H	1483	- 396
L-E	471 - 50	H - I	411	- 1344
L F	185 - 444			

FL REG# 278, Yoonhwak Kim, FL PE #86367 10/15/2021

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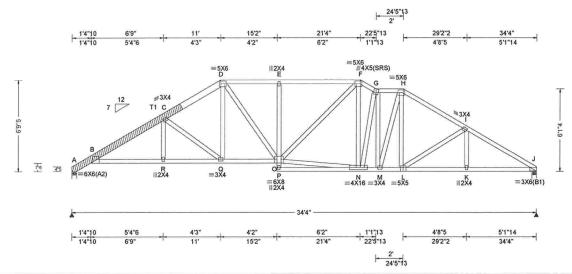
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SEQN: 633494 / SPEC Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 Ply: 1 DrwNo: 288.21.0838.04650 FROM: CDM Qty: 1 Arata / YK 10/15/2021 Truss Label: A19



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00	Wind Std: ASCE 7-16 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): 0.149 E 999 240 VERT(CL): 0.308 E 999 180 HORZ(LL): 0.095 J - HORZ(TL): 0.196 J -
NCBCLL: 10.00 NCBCLL: 2.00 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: 3.43 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Creep Factor: 2.0 Max TC CSI: 0.391 Max BC CSI: 0.621 Max Web CSI: 0.643
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

▲ Maximum Reactions (lbs) Gravity Non-Gravity R+ /Rh /Rw 10 /RL 1406 /-/796 /258 /168 1-1421 /-/-/242 /815 1-Wind reactions based on MWFRS Brg Width = 4.0 Min Req = 1.5 Brg Width = 4.0 Min Req = 1.7 Bearings A & 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. A - B 231 - 699 F-G 822 - 1971

B-C 770 - 1828 G-H 857 - 2604 C-D 841 - 2178 H-1 779 - 2047 D-E 905 - 2087 - 2395 E-F 901 - 2078

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

Tray Scab(s) (1) 2x6x9-4-12 x SP 2400f-2.0E scab at left end. Attach scab to face of chord with: 0.128"x3", min. nails @ 8" oc, plus additional nail clusters at: BRG.: (6), heel: (7), 1st panel point: (2).

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	Comp.	Chords	Tens.	Comp.
B - R	2332	-694	M-L	1701	- 498
R-Q	2329	-693	L-K	1998	-601
Q-0	1792	-518	K-J	2000	-600
N - M	1852	- 571			

Maximum Web Forces Per Ply (lbs)

vvebs	Tens.C	omp.	vveps	rens.	Comp.	
C-Q	223	-683	N-F	403	-44	
D - Q	457	-79	N - G	168	- 444	
D - O	487	- 286	G-M	229	-473	
O - N	1687	- 515	M - H	449	- 247	
0 - F	434	- 202				

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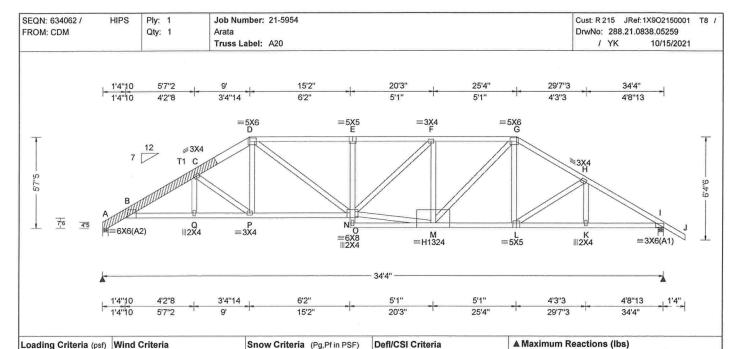
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	Loading	Criteria (psf)	Wind Criteria
	TCLL:	20.00	Wind Std: ASCE 7-16
	TCDL:	10.00	Speed: 130 mph
l	BCLL:	0.00	Enclosure: Closed
l	BCDL:	10.00	Risk Category: II
	Des Ld: NCBCLL: Soffit: Load Dur Spacing:	10.00 2.00 ation: 1.25	EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to 1 C&C Dist a: 3.43 ft Loc. from endwall: not in 9.00 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

Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS

Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.178 E 999 240 VERT(CL): 0.364 E 999 180 HORZ(LL): 0.097 I HORZ(TL): 0.198 I Creep Factor: 2.0

Max TC CSI: 0.473 Max BC CSI: 0.685 Max Web CSI: 0.817

VIEW Ver: 21.01.01A.0521.20

Non-Gravity /Rh Loc R+ / R-/Rw /U Α 1405 1-/784 /262 1490 /-1-/862 /264 Wind reactions based on MWFRS

Gravity

Chords Tens.Comp.

Brg Width = 4.0 Min Req = 1.5 Min Req = 1.8 Brg Width = 4.0

/RL

/157

Tens. Comp.

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

Chords	Tens.Comp.	Chords	Tens.	Comp.
A - B	288 - 699	E-F	1199	- 2625
B - C	991 - 2690	F-G	1019	-2196
C-D	986 - 2390	G-H	876	-2099
D-E	1205 - 2641	H - I	855	-2382

Maximum Bot Chord Forces Per Ply (lbs)

Tray Scab(s)

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

Lumber

(1) $2x6x8-0-11 \times SP 2400f-2.0E$ scab at left end. Attach scab to face of chord with: 0.128"x3", min. nails @ 8" oc, plus additional nail clusters at: BRG.: (6), heel: (7), 1st panel point: (2).

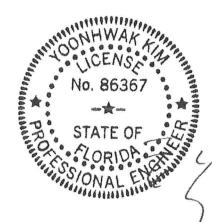
Top chord: 2x4 SP #2; T1 2x6 SP 2400f-2.0E;

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 5-7-5.



B-Q 2450 -813 M-L 1759 - 586 Q-P 2445 -812 1987 -649 L-K -678 2016 1988 -648 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp

Chords

Webs Tens. Comp. C-P 171 - 546 N - M 2146 -780 D-P 451 -30 F-M 434 -695 D-N 765 -410 M-G 631 -349 N-F 564 - 239

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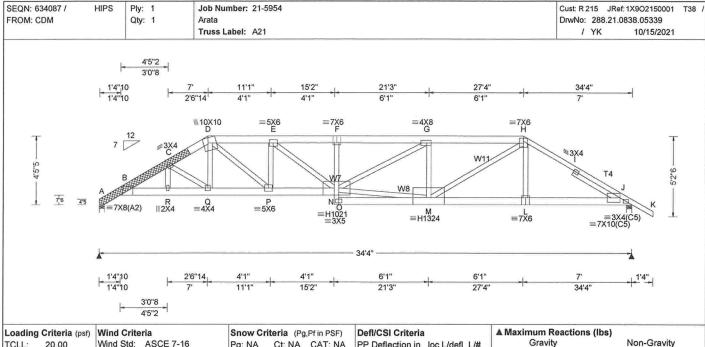
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Loading Criteria (psf)	Wind Criteria
TCLL: 20.00	Wind Std: ASCE 7-16
TCDL: 10.00	Speed: 130 mph
BCLL: 0.00	Enclosure: Closed
BCDL: 10.00	Risk Category: II
Des Ld: 40.00	EXP: C Kzt: NA
	Mean Height: 15.00 ft
NCBCLL: 10.00	TCDL: 5.0 psf
Soffit: 2.00	BCDL: 5.0 psf
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2
Spacing: 24.0 "	C&C Dist a: 3.43 ft
	Loc. from endwall: not in 4.50 ft
	GCpi: 0.18
	Wind Duration: 1.60

Show Crite	ria (Pg	(,PTIN PSF)	Deli/CSi Cri	teria		
Pg: NA C	t: NA	CAT: NA	PP Deflection	n in	loc L	./defl
Pf: NA		Ce: NA	VERT(LL):	0.43	3 F	936
Lu: NA	s: NA		VERT(CL):	0.86	9 F	465
Snow Durat	ion: NA	V.	HORZ(LL):	0.17	8 J	
			HORZ(TL):	0.35	9 J	
Building Cod	de:		Creep Factor	r: 2.0)	
FBC 7th Ed.	2020 I	Res.	Max TC CSI:	0	.797	
TPI Std: 20	14		Max BC CSI:		.565	
Rep Fac: Va	ries by	Ld Case	Max Web CS	SI: C	.976	
FT/RT:20(0)	/10(0)					
Plate Type(s	s):					

		Jiavity			MOII-GIA	VILY
Loc	R+	/ R-	/Rh	/ Rv	v /U	/ RL
Α	3457	/-	/-	/-	/819	/-
J	3611	1-	1-	/-	/831	/-
Win	nd rea	ctions b	ased o	n MWFRS	3	
A	Brg \	Vidth =	4.0	Min F	Reg = 3.4	4
J	Brg \	Vidth =	4.0	Min F	Reg = 3.	0
Bea	rings	A&Ja	re a rig	id surface		
Mer	nbers	not liste	ed have	forces le	ss than	375#
Max	kimur	n Top C	hord F	orces Pe	r Ply (lk	s)
Cho	ords	Tens.Co	mp.	Chords	Tens.	Comp.
A -	В	409 -	1733	F-G	2523	- 10217
B -	С	1766 -	7474	G-H	1915	-7940
C-	D	1772 -	7426	H - I	1476	-6369
D -	Ε	2036 -	8388	I - J	1518	-6483
E - I	F	2546-1	0308			

Lumber

Top chord: 2x6 SP 2400f-2.0E; T4 2x4 SP #2; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W7,W8 2x4 SP M-31; W11 2x4 SP #2; Rt Slider: 2x4 SP #3; block length = 3.449'

Special Loads

30.000				
(Lumber	Dur.Fac.=1	.25 / Plate [Dur.Fac.=1.2	25)
TC: From	63 plf at	0.00 to	63 plf at	7.00
TC: From	32 plf at	7.00 to	32 plf at	27.33
TC: From	63 plf at	27.33 to	63 plf at	35.33
BC: From	20 plf at	1.38 to	20 plf at	7.03
BC: From	10 plf at	7.03 to	10 plf at	27.48
BC: From	20 plf at	27.48 to	20 plf at	34.33
BC: From			5 plf at	35.33
TC: 474 lb	Conc. Load		ACC \$1000 0000	
TC: 130 lb	Conc. Load	at 9.06,11	.06,13.06,1	5.06
TC: 387 lb	Conc. Load	at 17.17		
TC: 193 lb	Conc. Load	at 19.27,21	1.27,23.27,2	5.27
TC: 441 lb	Conc. Load	at 27.30		
BC: 462 lb	Conc. Load	at 7.03		
BC: 162 lb	Conc. Load	at 9.06.11	.06.13.06.1	5.06
	Conc. Load		2024 12022	220.0
BC: 131 lb	Conc. Load	at 19.27.21	1.27.23.27.2	25.27
	Conc. Load		ment de la constitue de la con	
= = 0 == 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0				

Tray Scab(s)

(2) 2x6x6-8-8 x SP 2400f-2.0E scabs at left end. Attach one scab to each outer face of chord with: 0.128"x3", min. nails @ 8" oc, Plus additional nail clusters at: BRG.: (9), heel: (14), 1st panel point: (5).

WAVE, HS Wind

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

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

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

	The state of the s			
B - R	7099 - 1673	O - M	728	- 164
R - Q	7083 - 1669	M - L	5443	- 1268
Q-P	6434 - 1532	L - J	5470	- 1267
P - N	8553 - 2084			

Webs

N - G

N-M

G - M

M - H

H-L

Tens. Comp.

-617

-660

-774

- 1797

324

2503

7362

790 -2172

758

2989

Maximum Web Forces Per Ply (lbs) PROMINE Webs Tens.Comp. R-C C-Q D-Q 209 -705 170 - 803 1197 - 124 D-P 2563 -661 P-E 523 - 1677 E-N 2243 - 587

240 180

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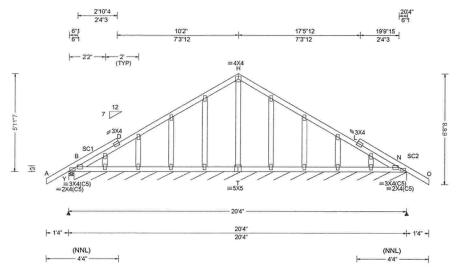
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 SEQN: 636325
 GABL Ply: 1 Qty: 1
 Job Number: 21-5954 Arata
 Cust: R 215 JRef: 1X902150001 T4 DrwNo: 288.21.0914.16130

 FROM: CDM
 Truss Label: B01
 TVK
 10/15/2021



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 Dur	ration: 1.25
Spacing:	24.0 "

Wind Criteria
Wind Std: ASCE 7-16
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

 Snow Criteria
 (Pg,Pf in PSF)

 Pg: NA
 Ct: NA
 CAT: NA

 Pf: NA
 Ce: NA

 Lu: NA
 Cs: NA

 Snow Duration: NA

Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE | Defi/CSI Criteria
| PP Deflection in | loc L/defl L/#
| VERT(LL): 0.002 D 999 240
| VERT(CL): 0.003 D 999 180
| HORZ(LL): 0.001 L - | HORZ(TL): 0.002 L - -

Creep Factor: 2.0

Max TC CSI: 0.200

Max BC CSI: 0.026

Max Web CSI: 0.065

VIEW Ver: 21.01.01A.0521.20

▲ Maximum Reactions (lbs), or *=PLF Non-Gravity Gravity R+ /RL Loc /Rw /U 249 /-1-/172 /50 /82 N* 81 1-145 1-Wind reactions based on MWFRS Brg Width = 4.0 Min Req = 1.5 Brg Width = 240 Min Req = -Bearings Y & B 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; Stack Chord: SC1 2x4 SP #2; Stack Chord: SC2 2x4 SP #2:

Plating Notes

All plates are 2X4 except as noted.

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A14015ENC160118 & 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 5-11-7



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SEQN: 636328 SPEC Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T23 FROM: CDM Qty: 9 Arata DrwNo: 288.21.0914.13257 Truss Label: B02 / YK 10/15/2021 5'3"13 10'2" 15'0"3 20'4" 4'10"3 5'3"13 5'3"13 4'10"3 =4X4 1 2X4 C 4.5 ≡3X4 ≡5X5 ≡3X4(A1) 20'4" 6'5"10 6'11"3 - 1'4" -6'11"3 13'4"13

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.039 H 999 240 VERT(CL): 0.076 H 999 180 HORZ(LL): 0.016 F HORZ(TL): 0.032 F Creep Factor: 2.0 Max TC CSI: 0.239 Max BC CSI: 0.459 Max Web CSI: 0.181
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

A IV		num Rea Gravity	CHOILS	Non-Gravity		
Loc		/ R-	/ Rh	/ Rw		/ RL
В	978	/-	/-	/563	/161	/192
F	978	1-	/-	/563	/161	/-
Wind reactions based on MWFRS						
В	Brg	Width =	4.0	Min Reg = 1.5		
F Brg Width = 4.0						
Bea	rings	B&Fa	re a rigio	id surface.		
				forces les	s than 3	375#
Max	cimu	m Top C	hord Fo	rces Per	Ply (lb	s)
				Chords		
B - (С	451 -	1358	D-E	486	- 1213
C-	D	487 -	1212	E-F	450	- 1359

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

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

Wind

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

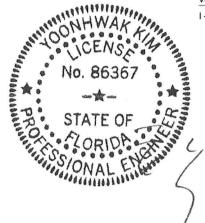
The overall height of this truss excluding overhang is 6-3-7.

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

00	1011010	omp.	Onordo	10110.	comp.
B - I	1107	- 253	H-F	1107	- 263
I - H	754	-67			

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

				· · · · · ·
I - D	472 - 169	D - H	474	- 168



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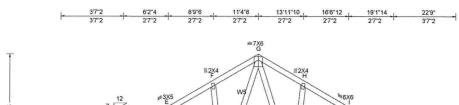
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

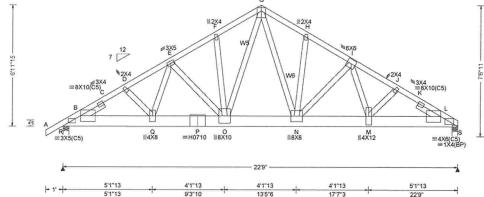
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COMN SEON: 633667 Plv: 2 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T35 FROM: CDM Qty: 1 Arata DrwNo: 288.21.0914.09207 Truss Label: B03 10/15/2021 2 Complete Trusses Required





Loading Criteria (psf)	Wind Criteria
TCLL: 20.00	Wind Std: ASCE 7-16
TCDL: 10.00	Speed: 130 mph
BCLL: 0.00	Enclosure: Closed
BCDL: 10.00	Risk Category: II
Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft

GCpi: 0.18

Wind Duration: 1.60

Defl/CSI Criteria Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/# Pf: NA Ce: NA VERT(LL): 0.166 N 999 240 Lu: NA Cs: NA VERT(CL): 0.330 N 805 180 Snow Duration: NA HORZ(LL): 0.047 E HORZ(TL): 0.093 E **Building Code:** Creep Factor: 2.0 FBC 7th Ed. 2020 Res. Max TC CSI: 0.508 TPI Std: 2014 Max BC CSI: 0.714 Rep Fac: No Max Web CSI: 0.798 FT/RT:20(0)/10(0) Plate Type(s): VIEW Ver: 21.01.01A.0521.20 WAVE, HS

	A IV		m Rea	actions	(lbs) Non-Gravity				
0	Loc	R+	/ R-	/Rh	/ Rw	/ U	/RL		
0	R	8265	1-	/-	/-	/1451	/-		
	S	10857	1-	/-	1-	/1070	/-		
	Wind reactions based on MWFRS								
	R	Brg W	/idth =	4.0	Min Reg = 3.4				
				4.0		q = 3.8			
	Bea	Bearings R & S are a rigid surface.							
		Members not listed have forces less than 375#							
	Date -	Maximum Top Chord Forces Per Ply (lbs)							
					Chords				
	В-	C ·	1383 -	7773	G-H	921	- 6670		
-	C-	D ·	1364 -	7708	H - I	930	-6721		

I-J

J - K

Chords

O - N

N - M

M-L

Webs

G-N

N - I

1 - M

942

950 -8631

4759

6892

7435

3346

2088

30 - 1655

Tens. Comp.

Tens. Comp.

-8617

- 8667

-717

-815

-812

- 246

1362 - 7724

1113 -6784

1099 - 6722

6561 - 1159

6431 - 1108

6431 - 1108

Tens.Comp.

232 - 900

3537 - 773

Maximum Web Forces Per Ply (lbs)

Chords Tens.Comp.

Maximum Bot Chord Forces Per Ply (Ibs)

D-E

E-F

F-G

B - Q

Q-P

P-0

Webs

E-0

0 - G

Lumber

Top chord: 2x4 SP M-31; Bot chord: 2x8 SP 2400f-2.0E; Webs: 2x4 SP #3; W5,W6 2x4 SP #2; Lt Slider: 2x4 SP #3; block length = 1.500' Rt Slider: 2x4 SP #3; block length = 1.500'

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

Wind

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.=1.3	25)
TC: From	63 plf at		63 plf at	7.08
TC: From	32 plf at	7.06 to	32 plf at	11.38
TC: From	63 plf at	11.38 to	63 plf at	22.75
BC: From	5 plf at	-1.00 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	7.06
BC: From	10 plf at	7.06 to	10 plf at	22.75
BC: 4323 lb	Conc. Load	at 7.06		
BC: 1725 lb	Conc. Load	at 9.06		
BC: 2013 lb	Conc. Load	at 11.06		
BC: 1869 lb	Conc. Load	at 13.06		
BC: 1947 lb	Conc. Load	at 15.06		
BC: 1903 lb	Conc. Load	at 17.06		
BC: 1848 lb	Conc. Load	at 19.06		
BC: 1826 lb	Conc. Load	at 21.06		

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Additional Notes

The overall height of this truss excluding overhang is 6-11-15.

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

