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Site Information:	Page 1:	. and the distriction.
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	

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	
46	GBLLETIN0118	

General Notes

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

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

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

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

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

Temporary Lateral Restraint and Bracing:

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

Permanent Lateral Restraint and Bracing:

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

Connector Plate Information:

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

Fire Retardant Treated Lumber:

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

General Notes (continued)

Key to Terms:

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

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

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

CL = Certified lumber.

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

FRT = Fire Retardant Treated lumber.

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

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

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

g = green lumber.

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

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

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

Ic = Incised lumber.

FJ = Finger Jointed lumber.

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

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

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

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

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

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

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

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

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

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

PP = Panel Point.

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

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

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

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

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

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

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

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

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

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

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

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

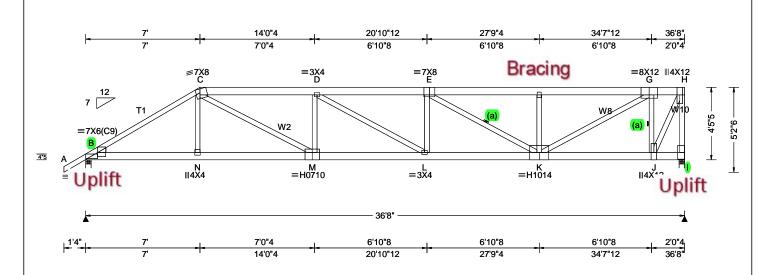
Refer to ASCE-7 for Wind and Seismic abbreviations.

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

References:

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

SEQN: 636334 HIPM Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T48 FROM: CDM DrwNo: 288.21.0914.39627 Qty: 1 Truss Label: A01 / YK 10/15/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.348 L 999 240
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.700 L 626 180
1000L. 10.00 I	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.079 C
Dec I d: 40 00	EXP: C Kzt: NA		HORZ(TL): 0.160 C
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
0-454	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.588
l	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.567
	C&C Dist a: 3.67 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.950
'	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	HS, WAVE	VIEW Ver: 21.01.01A.0521.20
Lumban		Additional Notes	

Top chord: 2x6 SP 2400f-2.0E; T1 2x4 SP M-31; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W2,W10 2x4 SP #2; W8 2x4 SP M-31 Lt Wedge: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

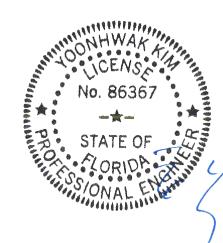
-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From TC: From 63 plf at 32 plf at -1.33 to 7.00 to 63 plf at 32 plf at 36.67 BC: From 5 plf at -1.33 to 5 plf at 0.00 BC: From 20 plf at 0.00 to 20 plf at BC: From 10 plf at 7.03 to 36.67 TC: 441 lb Conc. Load at 7.03 TC: 193 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06,19.06,21.06,23.06,25.06,27.06,29.06,31.06 33.06,35.06 BC: 526 lb Conc. Load at 7.03 BC: 131 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06,19.06,21.06,23.06,25.06,27.06,29.06,31.06

Wind

33.06,35.06

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.

The overall height of this truss excluding overhang is



▲ Maximum Reactions (lbs)					
	Gravity	0110113 (Non-Gravity		
Loc R+	· / R-	/ Rh	/ Rw	/ U	/ RL
B 372	4 /-	/-	/-	/858	/-
369	2 /-	/-	/-	/912	/-
Wind re	actions b	ased on	MWFRS		
B Brg	Width =	4.0	Min Re	q = 3.1	
I Brg Width = 4.0			Min Req = 3.1		
Bearing	s B & I ar	e a rigid	surface.		
Member	s not list	ed have	forces less	s than 3	375#
Maximu	m Top C	hord Fo	rces Per	Ply (lb	s)
Chords	Tens.Co	mp.	Chords	Tens.	Comp.
B - C	1560	6762		1629	- 6616
C-D		8534		1629	
D-E	2134 -		G-H	431	

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

B - N 5770 - 1328 8730 - 2143 L - K 5742 - 1331 N - M 2021 - 504 M - L 8611 - 2095

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
N - C	767 0	F-K	450 - 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

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FROM: CDM DrwNo: 288.21.0914.33980 Qty: 1 Truss Label: A02 / YK 10/15/2021 36'<u>8</u>" 4'8"13 22'1"2 28'6"14 35'0"9 4'3"3 6'5"11 4'8"13 6'7"7 6'5"11 6'5"11 Bracing 12X4 =6X6 D =3X4 E **∌3X4** 5,1,2 6'4"6 4"5 ___ K ⊪4X5 ⊪2.5X6 P ∥2X4 0 ≡3X4 N ≡5X5 M ≡3X4 ≡6X8 =4X5(A2) 36'8' 4'8"13 6'7"7 6'5"11 6'5"11 4'3"3 6'5"11 4'8"13 9 15'7"7 22'1"2 28'6"14 35'0"9 36'8

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	l
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	ı
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.164 E 999 240	ı
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.338 E 999 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.054 K	ı
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.112 K	
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.536	
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.725	
Spacing: 24.0 "	C&C Dist a: 3.67 ft	Rep Fac: Yes	Max Web CSI: 0.853	
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	
Lumber				-

Job Number: 21-5954

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

Bracing

SEQN: 636337

HIPM

Ply: 1

(a) Continuous lateral restraint equally spaced on

Wind

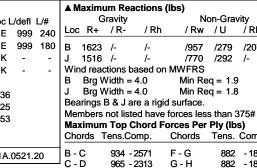
Wind loads based on MWFRS with additional C&C

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is



Chords	Tens.Comp.	Chords	Tens.	Comp.
B-C C-D	934 - 2571 965 - 2313	F-G G-H		- 1851 - 1851
D-E	1201 - 2578	G-п H-I	203	- 430
E-F	1195 - 2540			

/Rh

/-

Non-Gravity

/279 /207

/292 /-

/RL

/Rw /U

Min Req = 1.9

Min Req = 1.8

/957

/770

Gravity

Cust: R 215 JRef: 1X9O2150001 T18

Maximum Bot Chord Forces Per Ply (lbs)

Choras	rens.co	mp.	Choras	rens.	Comp.
B - P	2147	- 927	N - M	2599	- 1219
P - O	2146	- 929	M - L	2531	- 1197
O - N	1951	- 884	L-K	509	- 246

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
D - N	810 - 444	L-H	1753 - 830
N - E	350 - 385	H - K	797 - 1450
F-L	415 - 887	K-I	1608 - 758
G-L	336 - 418	I - J	710 - 1528



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SEQN: 636340 HIPM Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T45 FROM: CDM DrwNo: 288.21.0914.30910 Qty: 1 Truss Label: A03 / YK 10/15/2021 5'8"13 11' 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** Bracing =3X4 E ≡5X5 H =6X6 =5<u>¥</u>5 **∌**3X4 6'9"5 9,9,2 4"5 0 ∥2X4 M ≡5X5 N ≡5X5 K ≡7X8 ≡3X4 =4X6(B4) **■2.5**X6 36'8' 5'8"13 6'2"10 6'0"14 6'0"14 7'3"9 5'3"3 5'8"13 11' 17'2"10 23'3"9 29'4"7 36'8' ▲ Maximum Reactions (lbs)

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res.	PP Deflection in loc L/defl L/# VERT(LL): 0.164 E 999 240 VERT(CL): 0.303 E 999 180 HORZ(LL): 0.059 K HORZ(TL): 0.110 K Creep Factor: 2.0 Max TC CSI: 0.987	
Load Duration: 1.25 Spacing: 24.0 "	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	TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Max BC CSI: 0.773 Max Web CSI: 0.824 VIEW Ver: 21.01.01A.0521.20	
Lumber				

Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 1766 /-/978 /270 /248 1762 /-/-/782 /298 /-Wind reactions based on MWFRS Brg Width = 4.0Min Req = 1.8 В Brg Width = 4.0 Min Req = 2.1 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 860 - 2830 672 - 1617 C-D 875 - 2465 G-H 672 - 1617 D-E 988 - 2470 672 - 1617 H - I 932 - 2306

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

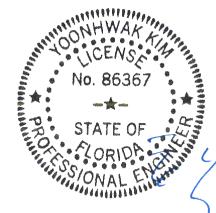
Wind loads based on MWFRS with additional C&C member design.

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.



Maximum Bot Chord Forces Per Ply (lbs)

Cilolus	rens.comp.		Chorus	i ens.	Comp.	
B - O O - N N - M	2363 2362 2060	- 898	M - L L - K		- 1000 - 931	
	2000					

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	I ens.	Comp.
D - N	400 -21	G-K	396	- 490
D - M	598 - 308	K-I	2163	- 900
L-F	398 - 19	I - J	749	- 1624
F-K	387 - 995			

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SEQN: 636342 HIPS Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T26 FROM: CDM Qty: 1 DrwNo: 288.21.0914.28533 Truss Label: A04 / YK 10/15/2021 6'8"13 13' 18'3"4 23'4"12 28'8" 36'8" 6'8"13 6'3"3 5'3"4 5'1"8 5'3"4 8' =3X Bracing 1X4 =6X6 ≅7X6 G €5X5 3'3"5 4"5 M ≡5X5 N ⊪2X4 K ≡4X8 ≡3X4 _5X6 =4X5(A2) **∥2.5**X6 36'8" 6'8"13 6'3"3 5'3"4 5'1"8 5'3"4 8' 6'8"13 13' 18'3"4 23'4"12 28'8" 36'8" ▲ Maximum Reactions (lbs) Gravity Non-Gravity

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00	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/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	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): 0.123 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	
Lumber	•	•	•	_

Loc R+ /Rh /Rw /U /RL 1749 /-/980 /282 /214 1674 /-/-/823 /268 /-Wind reactions based on MWFRS Brg Width = 4.0Min Rea = 2.1Brg Width = 4.0 Min Req = 2.0 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. 786 - 1920 794 - 2779 C - D 791 - 2295 F-G 786 - 1920

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

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

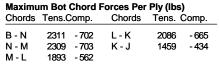
Wind loads based on MWFRS with additional C&C member design.

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.



G-H

614 - 1804

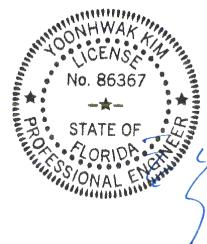
Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. C - M - 496 173 J - H 1521 - 452 D - M 456 - 38 H - I 539 - 1606

827 - 2083

D-E

K - G

811 - 338



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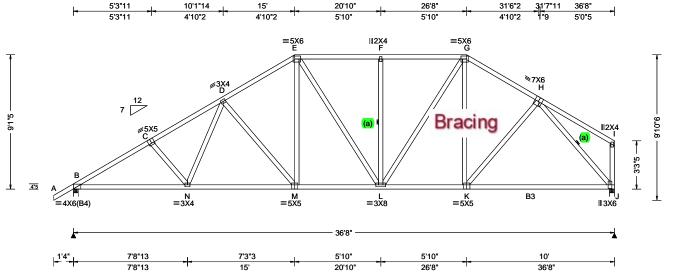
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SEQN: 636344 HIPS Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T47 FROM: CDM Qty: 1 DrwNo: 288.21.0914.26480 Truss Label: A05 / YK 10/15/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Max
TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 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): 0.131 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	Loc F B 18 J 17 Wind r B Br J Br Bearin Membr Maxim Chords B - C C - D
Lumber				D-E

Lumbei

Top chord: 2x4 SP #2;

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

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 Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 1815 /-/989 /245 1794 /-/834 /-/35 Wind reactions based on MWFRS Brg Width = 4.0Min Req = 1.8 В Brg Width = 4.0 Min Reg = 1.5Bearings 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. 703 - 1853 731 - 2939 C-D 737 - 2750 F-G 703 - 1853

Maximum Bot Chord Forces Per Ply (lbs)						
Chords	Tens.C	comp.	Chords	Tens.	Comp.	
B - N	2460	- 663	L-K	1543	- 357	
N - M	2166	- 558	K - J	1304	- 352	

708 - 2192

1824 - 441

> 183 - 535

694

M - L

G-H

611 - 1869

561

547

- 254

- 1968

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. N - D 322 **4**01 - 384

- 76

L-G

H-J



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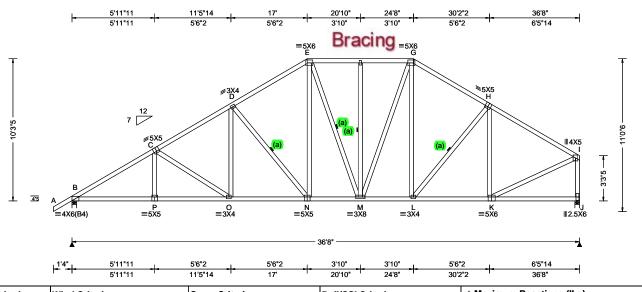
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SEQN: 636346 HIPS Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T41 FROM: CDM Qty: 1 DrwNo: 288.21.0914.23970 Truss Label: A06 / YK 10/15/2021



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 BCDL: 5.0 psf WWFRS 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): 0.125 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 oc R+ /Rh /Rw /U /RL 1772 /-/993 /277 1712 /-/840 /-Wind reactions based on MWFRS Brg Width = 4.0Min Req = 1.8Brg Width = 4.0 Min Req = 2.0Bearings 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. 630 - 2838 C - D 630 - 2452 G-H 575 - 1766 D-E 618 - 1958 440 - 1735 H - I 585 - 1587

Lumber

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

(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.

Wind loading based on both gable and hip roof types.

Additional Notes

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



Maximum Bot Chord Forces Per Ply (lbs)

Cnoras	rens.comp.		Choras	rens. (Jomp.
B - P	2368	- 570	N - M	1610	- 320
P - O	2366	- 571	M - L	1437	- 278
O - N	2033	- 450	L-K	1436	- 309

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens.	Comp.
C-O	144 - 386	M - G	415	- 158
O - D	414 - 25	H - K	208	- 451
D - N	209 - 676	K-I	1546	- 326
E - N	705 - 114	l - J	416	- 1661

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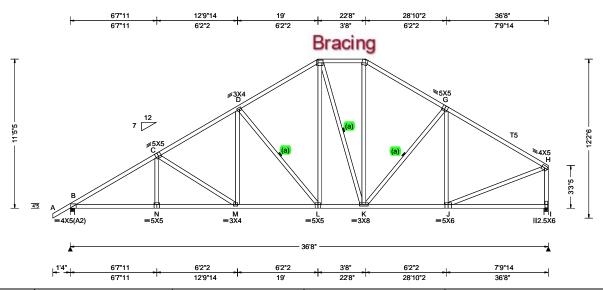
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SEQN: 636348 HIPS Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T22 FROM: CDM Qty: 1 DrwNo: 288.21.0914.21757 Truss Label: A07 / YK 10/15/2021



TCLL: 20.00	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
	TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	Wind Std: ASCE 7-16 Speed: 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	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)	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 l HORZ(TL): 0.088 l Creep Factor: 2.0 Max TC CSI: 0.657 Max BC CSI: 0.707

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 1724 /-/994 /47 /308 1646 /842 /-Wind reactions based on MWFRS Brg Width = 4.0Min Rea = 2.0Brg Width = 4.0 Min Reg = 1.9Bearings 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. 544 - 2728 480 - 1311 C - D 537 - 2276 F-G 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;

(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

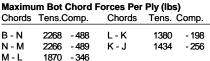
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

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



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

C - M - 459 171 502 - 101 M - D 488 - 30 J - H 1498 - 258 D-L 236 - 780 H - I 363 - 1586



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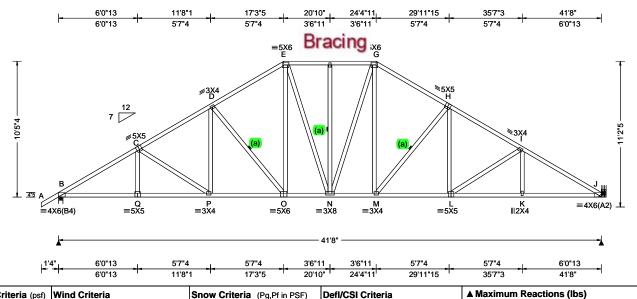
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SEQN: 634040 / COMN Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T20 / FROM: CDM DrwNo: 288.21.0838.05119 Qty: 1 Truss Label: A08 / YK 10/15/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria		s)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.171 O 999 240	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.335 O 999 180	B 1898 /- /-	/1078 /31 /295
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.082 J	J 1826 /- /-	/1019 /27 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.160 J	Wind reactions based on M	IWFRS
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	B Brg Width = 4.0	Min Req = 1.9
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.473	J Brg Width = -	Min Req = -
Load Duration: 1.25	BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.806	Bearing B is a rigid surface	
Spacing: 24.0 "	C&C Dist a: 4.17 ft	Rep Fac: Yes	Max Web CSI: 0.352	Members not listed have for	
opaonig. 2 1.0	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		Maximum Top Chord Ford	, , ,
				Chords Tens.Comp. C	hords Tens. Comp
	GCpi: 0.18	Plate Type(s):		D 0 740 0400 E	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20		G 671 - 187
Laurelaur				¹C-D 715-2734 G	6 - H 701 - 222

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 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 Bot Chord Forces Per Ply (lbs)

701 - 2227

671 - 1879

D-E

	ords Tens.Comp. C			Tens. Comp.	
B-Q	2616	- 538	N - M	1843	- 279
Q-P	2614	- 539	M - L	2277	- 414
P - O	2274	- 413	L-K	2638	- 547
O - N	1841	- 278	K - I	2640	- 546

701 - 2229

718 - 2740

725 - 3149

- 1879

H - I

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
C - P	151 - 393	G - M	672 - 118	
P - D	426 - 27	M - H	216 - 694	
D - O	215 - 693	H-L	435 - 32	
E - O	668 - 118	L-I	159 - 418	



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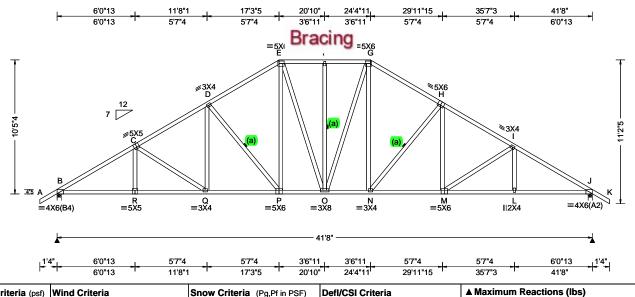
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SEQN: 634044 / HIPS Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T9 / FROM: CDM Qty: 1 DrwNo: 288.21.0838.05118 Truss Label: A09 / YK 10/15/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.171 P 999 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.335 P 999 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.082 J	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.160 J	
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.473	
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.805	
Spacing: 24.0 "	C&C Dist a: 4.17 ft	Rep Fac: Yes	Max Web CSI: 0.344	
-	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: 21.01.01A.0521.20	
l ••				

Lumber

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

(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.

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.

	Gravity				Non-Gravity		
o	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
0	В	1897	/-	/-	/1081	/-	/295
	J	1827	/-	/-	/1023	/-	/-
	Win	d reac	tions b	ased on	MWFRS		
	В	Brg W	/idth =	4.0	Min Re	q = 1.9)
	J	Brg W	/idth =	4.0	Min Re	g = 1.8	;
	Bea	rings E	3 & J a	re a rigid	surface.	•	
	Men	nbers	not liste	ed have f	orces less	than 3	375#
	Max	imum	Top C	hord Fo	rces Per	Ply (lb	s)
	Cho	rds T	ens.Co	omp.	Chords	Tens.	Ćomp.
_	В-0	•	306 -	3124	F-G	261	- 1877
	C - I	-			G-H	277	- 2226
	D - I	_	277 -		H-I	297	- 2735

Maximum Bot Chord Forces Per Ply (lbs)

261 - 1877

Chords	Tens.Comp.		Chords	Tens. (Tens. Comp.	
B - R	2614	- 184	O - N	1841	0	
R-Q	2613	- 185	N - M	2274	- 50	
Q - P	2273	- 50	M - L	2626	- 191	
P - O	1839	0	L-J	2628	- 190	

312 - 3137

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.		
C-Q	162 - 394	G - N	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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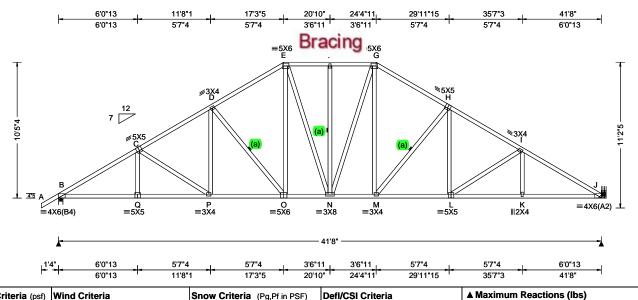
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SEQN: 634042 / COMN Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T15 / FROM: CDM DrwNo: 288.21.0838.05524 Qty: 1 Truss Label: A09 / YK 10/15/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximu
Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 NCBCLL: 2.00 Load Duration: 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 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	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)	Defl/CSI Criteria	A Maximu G Loc R+ B 1898 J 1826 Wind reac B Brg W J Brg W Bearing B Members Maximum Chords T
	GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): WAVE	VIEW Ver: 21.01.01A.0521.20	B - C C - D
Lumber				0-0

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 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.

now Criteria (Pg,Pf in	PSF) Defl/CSI Criteria
g: NA Ct: NA CA	Γ: NA PP Deflection in loc L/defl L/#
f: NA Ce:	NA VERT(LL): 0.171 O 999 240
u: NA Cs: NA	VERT(CL): 0.335 O 999 180
now Duration: NA	HORZ(LL): 0.082 J
	HORZ(TL): 0.160 J
uilding Code:	Creep Factor: 2.0
BC 7th Ed. 2020 Res.	Max TC CSI: 0.473
PI Std: 2014	Max BC CSI: 0.806
tep Fac: Yes	Max Web CSI: 0.352
T/RT:20(0)/10(0)	
late Type(s):	

667 - 1879 721

713 - 3126

711 - 2734

697 - 2227

426

214 - 693

668

- 27

- 117

Gravity

Brg Width = -

Chords Tens.Comp.

Bearing B is a rigid surface.

1898 /-

D-E

/Rh

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

/-

Wind reactions based on MWFRS Brg Width = 4.0

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - Q 2616 - 534 N - M 1843 - 277 Q-P - 535 2277 2614 M - L - 411 P - O 2274 - 410 L-K 2638 - 543 O - N 1841 - 276 K - .I 2640 - 542

Non-Gravity

/RL

/295

/-

Tens. Comp. - 1879

714 - 2740

- 3149

667

697 - 2229

215

435

158

- 694

- 32

- 418

/Rw /U

/1078 /31

Min Rea = 1.9

Min Reg = -

Chords

G-H

H - I

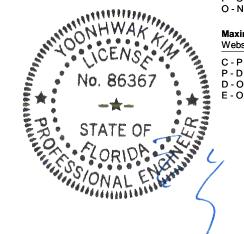
/1019

Maximum Web Forces Per Ply (lbs) Tens.Comp. Webs Tens. Comp. C - P 150 G - M 672 - 117

M - H

H-L

L-I



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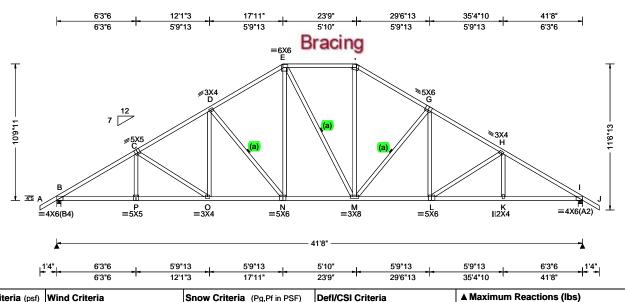
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SEQN: 634046 / HIPS Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T21 / FROM: CDM Qty: 1 DrwNo: 288.21.0838.05494 Truss Label: A10 / YK 10/15/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria	4
TCLL: 20.00		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): 0.192 N 999 240	<u> </u>
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA VERT(CL): 0.362 N 999 180	ı
BCDL: 10.00	Risk Category: II	Snow Duration: NA HORZ(LL): 0.089 I	ı
Des Ld: 40.00	EXP: C Kzt: NA	HORZ(TL): 0.168 I	١
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code: Creep Factor: 2.0	E
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. Max TC CSI: 0.501	!
	MWFRS Parallel Dist: h to 2h	TPI Std: 2014 Max BC CSI: 0.783	!!
Spacing: 24.0 "	C&C Dist a: 4.17 ft	Rep Fac: Yes Max Web CSI: 0.381	
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	ľ
	GCpi: 0.18	Plate Type(s):] -
	Wind Duration: 1.60	WAVE VIEW Ver: 21.01.01A.0521.20	Ę
		•	. (

Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL 1973 /-/1078 /30 /316 /-/-/1078 /30 /-1967 Wind reactions based on MWFRS Brg Width = 4.0Min Rea = 2.0Brg Width = 4.0 Min Req = 2.0 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. 683 - 3265 - 2308 C-D 677 - 2851 G-H 677 - 2839 D-E 662 - 2330 683 - 3255 H - I 619 - 1923

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

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



Choras	rens.comp.		Choras	rens. Comp.	
B - P	2734	- 480	M - L	2360	- 350
P - O	2732	- 481	L-K	2724	- 486
O - N	2372	- 350	K-I	2725	- 485
N - M	1930	- 215			

Maximum Bot Chord Forces Per Ply (lbs)

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
C-0	161 - 417	M - F	754 - 107	
O - D	436 - 31	M - G	215 - 704	
D - N	216 - 705	G-L	439 - 32	
E - N	784 - 111	L-H	162 - 421	

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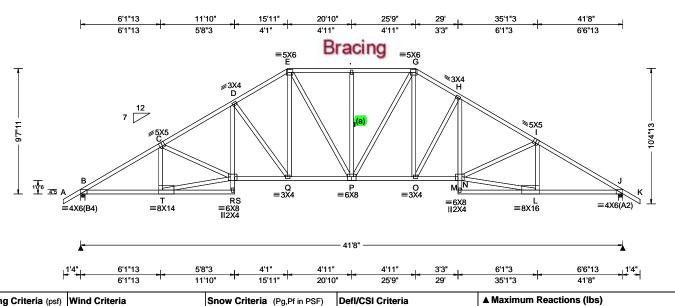
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A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

6750 Forum Drive Suite 305 Orlando FL, 32821

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

SEQN: 634048 / HIPS Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T10 / FROM: CDM Qty: 1 DrwNo: 288.21.0838.05291 Truss Label: A11 / YK 10/15/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria		os)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.212 F 999 240	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.414 F 999 180	B 1895 /- /-	/1074 /34 /284
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.112 J	J 1895 /- /-	/1074 /34 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.219 J	Wind reactions based on M	/WFRS
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	B Brg Width = 4.0	Min Req = 1.9
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.520	J Brg Width = 4.0	Min Req = 1.9
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.747	Bearings B & J are a rigid s	
Spacing: 24.0 "	C&C Dist a: 4.17 ft	Rep Fac: Yes	Max Web CSI: 0.990	Members not listed have for	
opusg. 2	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		Maximum Top Chord For	• • •
	GCpi: 0.18	Plate Type(s):		Chords Tens.Comp. (Chords Tens. Comp
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20		-G 792 -235
Lumbar	1	144,142	1	^J C - D 865 - 3229 (G-H 818-262

Lumber

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

(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.

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

Tens. Comp.

846 - 3120

761 - 3116

818 - 2624

H - I

Maximum Web Forces Per Ply (lbs)

811 - 2636

792 - 2355

D-E

rens.comp.		webs	rens. Comp	
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 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



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SEQN: 634053 / SPEC Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T28 / FROM: CDM DrwNo: 288.21.0838.05588 Qty: 1 Truss Label: A12 / YK 10/15/2021 6'1"13 11'10" 13'11 18'7' 35'1"3 41'8" 5'8"3 4'8" 6'6"13 Bracing =5X6 E **≷3X**4 /3X4 P ⊪7X6 S ≡3X4 R ≡6X8 =6X8 _8X14 =8X14 TU ≡6X8 =4X6(A2) =4X6(B4) 41'8"

4'8"

18'7

13'11

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	١,
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.225 Q 999 240	!
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.464 Q 999 180	h
BCDL: 10.00	Risk Category: II EXP: C Kzt: NA	Snow Duration: NA	HORZ(LL): 0.105 K	ļ
Des Ld: 40.00	Mean Height: 15.00 ft		HORZ(TL): 0.217 K	١
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	!
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.486	H
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.699	Ш
Spacing: 24.0 "	C&C Dist a: 4.17 ft	Rep Fac: Yes	Max Web CSI: 0.974	ľ
-	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		li
	GCpi: 0.18	Plate Type(s):] }
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	1
Lumber			•	. (]

5'8"3

11'10

Loc R+ В

2'3"

25'6'

3'6"

6'1"3

35'1"3

1800 /-

1800

▲ Maximum Reactions (lbs) Gravity

4'8"

23'3'

Wind rea	actions based o	n MWFRS		
B Brg	Width $= 4.0$	Min Re	eq = 1.8	;
K Brg	Width $= 4.0$	Min Re	eq = 1.8	;
Bearing	s B & K are a rig	gid surface.		
Member	s not listed have	e forces les	s than 3	375#
Maximu	m Top Chord	Forces Pe	Ply (lb	s)
Chords	Tens.Comp.	Chords	Tens.	Comp.
B-C C-D	778 - 2947 882 - 3006	G - H H - I	783 778	- 2342 - 2388

/Rh

/-

6'6"13

41'8'

Non-Gravity

/RL

/288

/-

/Rw /U

/1066 /33

/1070 /80

B-C C-D D-E E-F	778 - 2947 882 - 3006 868 - 2619 857 - 2476	G - H H - I I - J J - K	778 809	- 2342 - 2388 - 2902 - 2936
F-G	857 - 2476			
D-E	868 - 2619 857 - 2476	l-J	809	- 290

Bracing

(a) Continuous lateral restraint equally spaced on

6'1"13

6'1"13

Plating Notes

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

All plates are 2X4 except as noted.

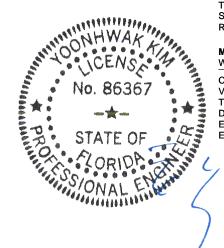
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	Comp.	Chords	Tens. (Comp.
B - V	2462	- 564	Q-P	2453	- 498
T-S	2522	- 534	P - N	2423	- 456
S - R	2220	- 443	M - K	2449	- 522
R-O	2454	- 407			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	comp.	Webs	Tens.	Comp.
C-V	190	- 421	G-P	562	- 1481
V - T	2445	- 561	H - P	2136	- 713
T - D	717	- 142	P - I	256	- 841
D - S	256	- 859	I - N	671	- 112
E-S	727	- 169	N - M	2428	- 519
F-R	468	- 203			

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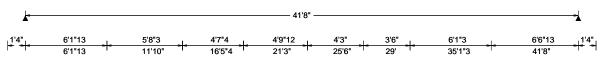
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SEQN: 634056 / SPEC Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T25 / FROM: CDM DrwNo: 288.21.0838.05447 Qty: 1 Truss Label: A13 / YK 10/15/2021 6'1"13 11'11" 16'5"4 21'3" 35'1"3 41'8" 6'1"13 5'9"3 4'6"4 4'9"12 6'1"3 6'6"13 Bracing **≷3X**4 **₹5X5 ∌3**X4 P ≡4X10 R ≡3X8 Q ≡5X6 _8X14 =8X14 ST ≡6X8 =6X8 \equiv 4X6(A2) ¥4X6(B4)



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.247 Q 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.510 Q 973 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.111 K
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.229 K
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: 0.489
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.702
Spacing: 24.0 "	C&C Dist a: 4.17 ft	Rep Fac: Yes	Max Web CSI: 0.935
		FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
Lumber	•		•

Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 1800 /-/1058 /34 /288 1800 /-/-/1065 /69 /-Wind reactions based on MWFRS Brg Width = 4.0Min Rea = 1.8Brg 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.

▲ Maximum Reactions (lbs)

 В - С	797 - 2948	G - H	744	- 2389
C-D	908 - 3010	H - I	754	- 2388
D-E	956 - 2899	I - J	786	- 2901
E-F	945 - 2857	J - K	711	- 2936
F-G	945 - 2857			

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

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)

Jilolus	16113.0	willp.	Cilolus	i ciio. V	Jonnp.	
3 - U	2463	- 581	Q-P	2981	- 676	
S - R	2496	- 548	P - N	2422	- 442	
₹ - Q	2983	- 675	M - K	2449	- 505	

Maximum Web Forces Per Ply (lbs)

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

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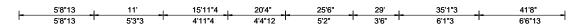
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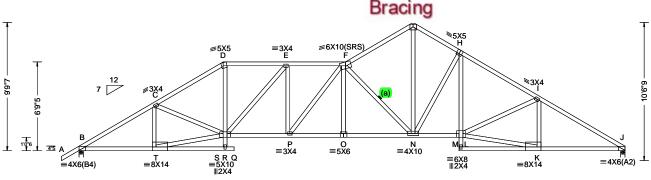
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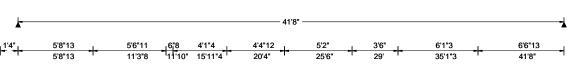
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SEQN: 403093 SPEC Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T19 FROM: CDM DrwNo: 288.21.0914.18757 Qty: 1 Truss Label: A14 / YK 10/15/2021







▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 1825 /-/1074 /40 /284 1731 /-/-/1005 /56 /-Wind reactions based on MWFRS Brg Width = 4.0В Min Rea = 1.8Brg Width = 4.0 Min Req = 1.7 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 802 - 2949 - 2411 732 C-D 933 - 3087 G-H 748 - 2390 D-E 856 - 2630 H - I 783 - 2905 1006 - 3102 709 - 2948

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on

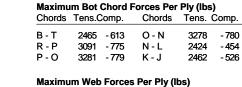
Wind

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

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



Webs Tens.Comp. Webs Tens. Comp. C-T 204 - 456 G - N 2063 -625 T - R 2457 - 608 N - H 250 - 825 H-L D - R - 289 674 - 120 1193 R-E 2441 255 - 695 L-K - 524 F-N 653 - 1832



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SEQN: 634060 / SPEC Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T39 / FROM: CDM Qty: 1 DrwNo: 288.21.0838.05244 Truss Label: A15 / YK 10/15/2021 4'8"13 18'4' 35'1"3 41'8" 4'8"13 2'10' 6'6" 3'7" 6'6"13 Bracing ≢5X10(SRS) =6X8 **₹3X4** //3X4 B2 В3 0 ∥7X6 P ≡7X8 Q R ≡7X10 ≡6X8 ⊆4X6(B4) S ≡4X16 ≡8X14 =4X6(A2)

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.374 F 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.751 F 661 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.129 K
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.259 K
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.928
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.866
Spacing: 24.0 "	C&C Dist a: 4.17 ft	Rep Fac: Yes	Max Web CSI: 0.962
' "	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
<u> </u>		1	

2'10'

11'10"

6'6"

18'4'

ı	 ~1	~~	

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

4'8"13

4'8"13

Plating Notes

All plates are 2X4 except as noted.

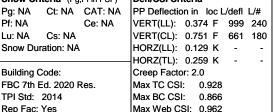
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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

Wind loading based on both gable and hip roof types.

Additional Notes

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



7'2"

25'6'

Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 1851 /-/1046 /44 /277 1786 /-/1001 /45 /-Wind reactions based on MWFRS Brg Width = 4.0В Min Rea = 1.9Brg 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 824 - 3061 719 C-D 834 - 2787 H - I 726 - 2527 D-E 1119 - 3630 I-J 760 - 3033 E-F 1123 - 3644 J - K 690 - 3054

6'6"13

6'1"3

35'1"3

F-G

▲ Maximum Reactions (lbs)

Maximum Bot Chord Forces Per Ply (lbs)

1466 - 5098

Chords	Tens.Cor	np.	Chords	Tens. 0	Comp.
B - T	2571 -	644	P - O	2960	- 586
T-S	2571 -	645	O - M	2534	- 434
Q-P	4358 - 1	023	L-K	2553	- 510

Maximum Web Forces Per Ply (lbs)

Tens.Comp.	Webs	Tens. Comp.	
224 - 805	G-0	556 - 1655	
2388 - 685	0-1	256 - 821	
2505 - 588	H - O	2260 - 631	
108 - 838	I - M	655 - 118	
888 - 2414	M - L	2524 - 508	
2872 - 895	L - J	169 - 383	
	224 - 805 2388 - 685 2505 - 588 108 - 838 888 - 2414	224 - 805 G - O 2388 - 685 O - I 2505 - 588 H - O 108 - 838 I - M 888 - 2414 M - L	224 - 805 G - O 556 - 1655 2388 - 685 O - I 256 - 821 2505 - 588 H - O 2260 - 631 108 - 838 I - M 655 - 118 888 - 2414 M - L 2524 - 508

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SEQN: 634089 / SPEC Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T11 / FROM: CDM Qty: 1 DrwNo: 288.21.0838.05555 Truss Label: A16 / YK 10/15/2021 16'4" 20'11" 35'1"3 41'8' 6'6"13 =6X6 \$5X5 ► H W10 ≢SS0712 ∥2X4 D W4 W13 P ∥2X4 =6X8 Bracing Q R ≡H1324 ∥2X10 ≡H0510 ∥2X4 B4 K S ≡5X10 ≡3X10(B3) =7X6(C8) =H0308(C8) ≡3X12 4'10" 4'6" 3'6" 6'1"3 6'6"13 11'10' 16'4" 20'11' 35'1"3 41'8' ▲ Maximum Reactions (lbs)

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): 0.597 E 832 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 1.219 E 407 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.194 J
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.396 J
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.840
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.958
Spacing: 24.0 "	C&C Dist a: 4.17 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.931
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	HS, WAVE, 18SS	VIEW Ver: 21.01.01A.0521.20
Lumbor		Additional Nates	

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;

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

Bracing

(a) Continuous lateral restraint equally spaced on

Special Loads

(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)						
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		
	Conc. Load					
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

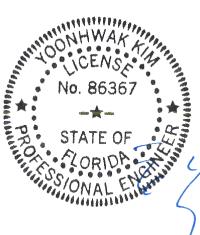
Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.

9-9-7.

Additional Notes

The overall height of this truss excluding overhang is



Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 3472 /-/493 2138 /-/-/-/326

Wind reactions based on MWFRS Brg Width = 4.0Min Reg = 2.9В

Brg Width = 4.0 Min Rea = 2.5Bearings 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	868 - 6290	F-G	499	- 3301
C - D	1181 - 8836	G-H	494	- 3285
D-E	1187 - 8889	H - I	597	- 3847
E-F	789 - 5413	l - J	582	- 3724

Maximum Bot Chord Forces Per Ply (lbs)

Choras	rens.comp.	Cnoras	rens. (Comp.	
B-S	5338 - 715	O - 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 - O	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 T29 / FROM: CDM Qty: 1 DrwNo: 288.21.0838.04805 Truss Label: A17 / YK 10/15/2021 9'10' 27'0"5 32'4' 2'4" 4'10"2 4'10"2 5'3"11 ₩7X6 D **#4**¥5 Bracing (SRS) 3'0"15 -M ∥2X4 =3X4 N ⊪5X6 ≡3X8 =5X5 =5X5 =3X6(B1)

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	1
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.102 K 999 240	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.204 K 999 180	l١
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.047 H	H
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: 3.23 ft Loc. from endwall: not in 9.00 ft GCbi: 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): 0.094 H Creep Factor: 2.0 Max TC CSI: 0.393 Max BC CSI: 0.715 Max Web CSI: 0.690	V N H B N N C
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	E
Lumber		•		

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 1370 /-/708 /40 /225 1416 /-/787 /-/15 Wind reactions based on MWFRS Brg Width = -Min Reg = Brg Width = 4.0 Min Reg = 1.7Bearing 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. 508 - 2006 480 - 1583 C - D 487 - 1576 F-G 523 - 2186 D-E 454 - 1303 G-H 519 - 2378

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

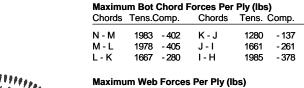
Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

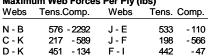
Wind loading based on both gable and hip roof types.

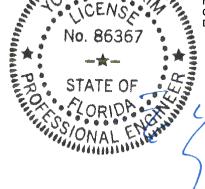
Additional Notes

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



7'8"13





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7'3"3

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SEQN: 633497 / SPEC Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T32 / FROM: CDM Qty: 1 DrwNo: 288.21.0838.04666 Truss Label: A18 / YK 10/15/2021 7'10" 19'4" 24'5"13 32'4" 5'2' 6'4" 5'1"13 5'10"3 =5X6 7 12 3X4 C /// 4X5(SRS) =5X6 G ≢6X12(SRS **∥2X4** 1'10"15 P ^[2] ∥5X6 0 ∥2X4 M ≡3X4 Bracing k N ≡5X5 K ≡3X4 ∥4X6 III2.5X6 32'4" 5'2" 5'2" 6'4" 5'1"13 5'10"3 7'10' 19'4' 24'5"13 26'5"13 32'4 ▲ Maximum Reactions (lbs) Gravity Non-Gravity

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	14
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.099 M 999 240	<u> </u>
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.197 M 999 180	F
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.040 I	1
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.080 I	١
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	F
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.606	Ľ
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.588	E
Spacing: 24.0 "	C&C Dist a: 3.23 ft	Rep Fac: Yes	Max Web CSI: 0.565	ľ
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		l"
	GCpi: 0.18	Plate Type(s):] -
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	E
Lumber	-			. (

Loc R+ /R /Rh /Rw /U /RL 1406 /-/742 /231 /164 1396 /-/-/753 /226 /-Wind reactions based on MWFRS Brg Width = 4.0Min Req = 1.7 Brg Width = 4.0 Min Req = 1.6 Bearings P & 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.

641 - 2239 629 - 1788 C - D 629 - 1828 F-G 610 - 1774 D-E 597 - 1494 G-H 550 - 1821

Maximum Bot Chord Forces Per Ply (lbs) Tens. Comp. Chords Tens.Comp. Chords P - O 2140 - 575 M - L 1506 - 355 O - N 2135 - 580 L-K 1819 - 502 N - M 1869 1499 - 482 K-J - 404

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

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

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

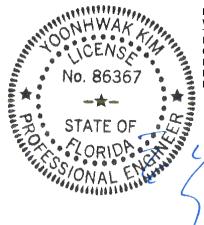
Wind loads based on MWFRS with additional C&C member design.

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.



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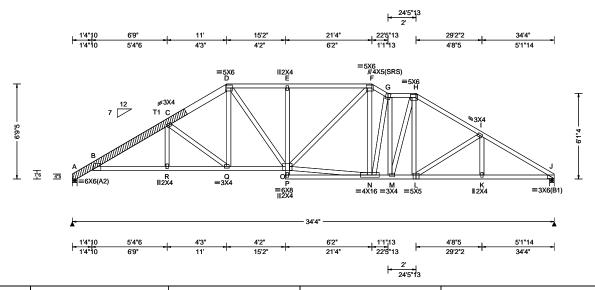
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SEQN: 633494 / SPEC Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T40 / FROM: CDM Qty: 1 DrwNo: 288.21.0838.04650 Truss Label: A19 / YK 10/15/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.149 E 999 240
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.308 E 999 180
10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.095 J
Dec I d: 40 00	EXP: C Kzt: NA		HORZ(TL): 0.196 J
INCOCITE 40 00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
0.46.4	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.391
1	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.621
Spacing: 24.0 "	C&C Dist a: 3.43 ft	Rep Fac: Yes	Max Web CSI: 0.643
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

Lumber

Top chord: 2x4 SP #2; 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

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 6-9-5.



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 - O	1792	- 518	K-J	2000	- 600
N - M	1852	- 571			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	comp.	Webs	Tens. (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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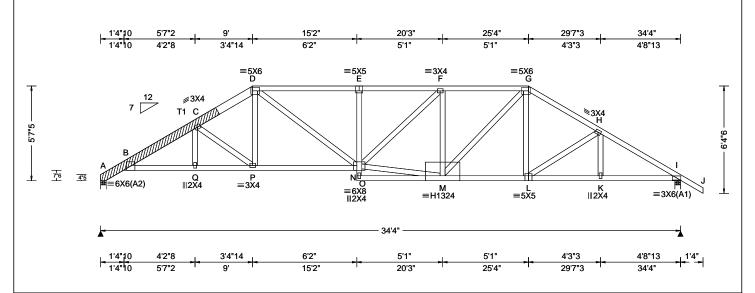
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 634062 / HIPS Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T8 / FROM: CDM DrwNo: 288.21.0838.05259 Qty: 1 Truss Label: A20 / YK 10/15/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
Coading 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/2 to h C&C Dist a: 3.43 ft	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes	Defl/CSI Criteria
	Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	FT/RT:20(0)/10(0) Plate Type(s): WAVE. HS	VIEW Ver: 21.01.01A.0521.20
Lumber		, -	,

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

Tray Scab(s)

(1) 2x6x8-0-11 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).

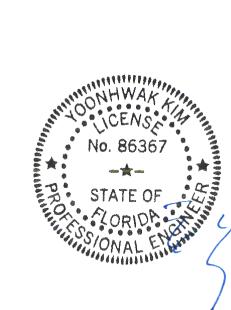
Wind

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.



▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 1405 /-/784 /262 /157 1490 /-/-/862 /264 /-Wind reactions based on MWFRS Min Req = 1.5 Brg Width = 4.0Brg Width = 4.0 Min Req = 1.8 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. 1199 - 2625 B - C 991 - 2690 F-G 1019 - 2196 C-D 986 - 2390 G-H 876 - 2099

Maximum Bot Chord Forces Per Ply (lbs)

1205 - 2641

D-E

Cnoras	rens.Comp.		Choras	rens. (Jomp.
B-Q	2450	- 813	M - L	1759	- 586
Q - P	2445	- 812	L-K	1987	- 649
P - N	2016	- 678	K-I	1988	- 648

855 - 2382

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	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			

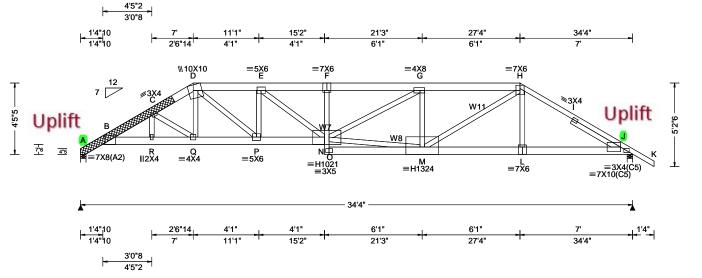
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1	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
1	TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
1	TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.433 F 936 240
1	DOLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.869 F 465 180
1		Risk Category: II	Snow Duration: NA	HORZ(LL): 0.178 J
	Dec 1 d · 40 00	EXP: C Kzt: NA		HORZ(TL): 0.359 J
1	NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
- 1	0-414	TCDL: 5.0 psf BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.797
		MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.565
1	Spacing: 24.0 "	C&C Dist a: 3.43 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.976
1	.,	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, HS	VIEW Ver: 21.01.01A.0521.20

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; Rt Slider: 2x4 SP #3; block length = 3.449'

Special Loads

(Lumber I	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		63 plf at	35.33
BC: From	20 plf at		20 plf at	7.03
BC: From			10 plf at	27.48
BC: From			20 plf at	34.33
BC: From	5 plf at	34.33 to	5 plf at	35.33
TC: 474 lb (Conc. Load	at 7.03		
TC: 130 lb (Conc. Load	at 9.06,11	.06,13.06,1	5.06
TC: 387 lb (
TC: 193 lb (Conc. Load	at 19.27,21	1.27,23.27,2	25.27
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
BC: 262 lb (Conc. Load	at 17.17		
BC: 131 lb (Conc. Load	at 19.27,2°	1.27,23.27,2	25.27
BC: 526 lb (Conc. Load	at 27.30		

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).

Wind

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

Additional Notes

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

No. 86367

Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 3457 /-/-/-3611 /-/-/-Wind reactions based on MWFRS Brg Width = 4.0Min Req = 3.4Brg Width = 4.0 Min Req = 3.0Bearings A & J are a rigid surface. Members not listed have forces less than 375#

▲ Maximum Reactions (lbs)

Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 409 - 1733 2523 - 10217 B - C G-H

1766 - 7474 1915 - 7940 C-D 1772 - 7426 H - I 1476 - 6369 1518 - 6483 D-E 2036 - 8388 E-F 2546-10308

Maximum Bot Chord Forces Per Ply (lbs)

Cnoras	rens.Comp.	Choras	i ens.	Comp.
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			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
R-C	209 - 705	F-N	324 - 6	 17
C-Q	170 - 803	N - G	2503 - 6	60
D-Q	1197 - 124	N - M	7362 - 179	97
D - P	2563 - 661	G - M	790 - 21	72
P - E	523 - 1677	M - H	2989 - 7	74
E - N	2243 - 587	H-L	758	0

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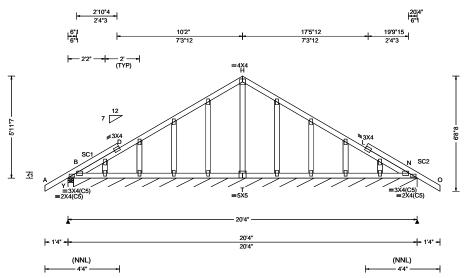
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SEQN: 636325 GABL Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T4 FROM: CDM Qty: 1 DrwNo: 288.21.0914.16130 Truss Label: B01 / YK 10/15/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.002 D 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.003 D 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 L
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.002 L
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.200
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.026
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.065
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
I			

▲ M	axim	um Rea	ctions (I	bs), or *=	:PLF	
	G	ravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Υ	249	/-	/-	/172	/50	/82
N*	81	/-	/-	/45	/-	/-
Win	d read	ctions b	ased on I	MWFRS		
Υ	Brg V	Vidth =	4.0	Min Re	q = 1.5	5
N	Brg V	Vidth =	240	Min Re	g = -	
Bea	rings	Ү&Ва	re a rigid		•	
	_		•	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.

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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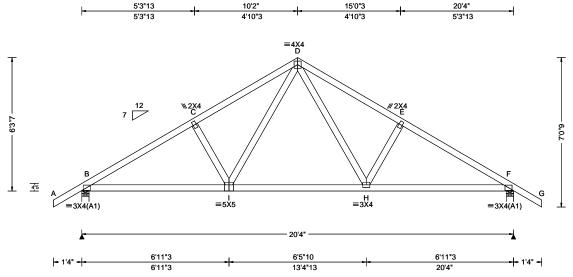
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SEQN: 636328 SPEC Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T23 FROM: CDM Qty: 9 DrwNo: 288.21.0914.13257 Truss Label: B02 / YK 10/15/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	•
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 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 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): 0.039 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 VIEW Ver: 21.01.01A.0521.20	B F V B F B M C B
Lumber	•	•	•	⊐ C

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 978 /563 /161 /192 978 /563 /161 /-Wind reactions based on MWFRS Brg Width = 4.0Min Req = 1.5 Brg Width = 4.0 Min Req = 1.5 Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords 486 - 1213 451 - 1358 487 - 1212 450 - 1359

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

Loading

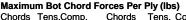
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance

Wind 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



Cilolus	rens.comp.		Cilolus	rens. comp.		
B - I	1107		H-F	1107	- 263	

Maximum Web Forces Per Ply (lbs)

vvebs	rens.Comp.	vvebs	rens. Comp.	
I-D	472 - 169	D-H	474 - 168	



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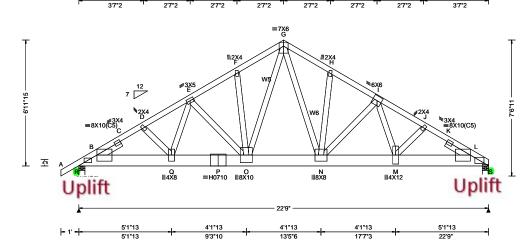
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SEQN: 633667 COMN Ply: 2 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T35 FROM: CDM Qty: 1 DrwNo: 288.21.0914.09207 Truss Label: B03 / YK 10/15/2021

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria		
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#		
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.166 N 999 240		
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.330 N 805 180		
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.047 E		
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.093 E		
NCBCLL: 0.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0		
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.508		
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.714		
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.798		
' "	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, HS	VIEW Ver: 21.01.01A.0521.20		

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'

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) :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 [Our.Fac.=1.2	25)
TC: From	63 plf at	-1.00 to	63 plf at	7.06
TC: From	32 plf at	7.06 to	32 plf at	11.38
TC: From	63 plf at		63 plf at	22.75
BC: From	5 plf at	-1.00 to	5 plf at	0.00
	20 plf at		20 plf at	7.06
	10 plf at		10 plf at	22.75
	Conc. Load			
BC: 1725 lb	Conc. Load	at 9.06		
BC: 2013 lb	Conc. Load	at 11.06		
	Conc. Load			
BC: 1947 lb	Conc. Load	at 15.06		
	Conc. Load			
BC: 1848 lb	Conc. Load	at 19.06		
BC: 1826 lb	Conc. Load	at 21.06		

Additional Notes

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

Wind loads and reactions based on MWFRS.

Wind

Wind loading based on both gable and hip roof types.



▲ Maximum Reactions (lbs)

Gravity				No	n-Grav	ity
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL
R	8265	/-	/-	/-	/1451	/-
S	10857	/-	/-	/-	/1070	/-
Win	d reac	tions ba	sed on	MWFRS		
R	Brg W	idth = 4	.0	Min Re	q = 3.4	
S	Brg W	idth = 4	.0	Min Re	q = 3.8	
Bea	rings F	R & Sar	e a rigio	d surface.		
Mer	nbers r	not listed	d have t	forces less	than 3	75#
Max	cimum	Top Ch	ord Fo	rces Per	Ply (lbs	5)
Cho	ords T	ens.Cor	np.	Chords	Tens.	Comp.
Б.	<u> </u>	1202 7	772	С П	024	6670

- 6670 1383 - 7773 C-D 1364 - 7708 930 - 6721 D-E 1362 - 7724 I - J 942 - 8617 E-F 1113 - 6784 J - K 950 - 8631

> 965 - 8667

Maximum Bot Chord Forces Per Ply (lbs)

1099 - 6722

F-G

Chords	ords Tens.Comp. Chords		Tens. Comp.		
3 - Q	6561 - 1159	O - N	4759	- 717	
Q - P	6431 - 1108	N - M	6892	- 815	
-0	6431 - 1108	M - L	7435	- 812	

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens. Comp.		
Q-E	983	- 255	G - N	3346	- 246	
E - O	232	- 900	N - I	30	- 1655	
O - G	3537	- 773	I - M	2088	0	

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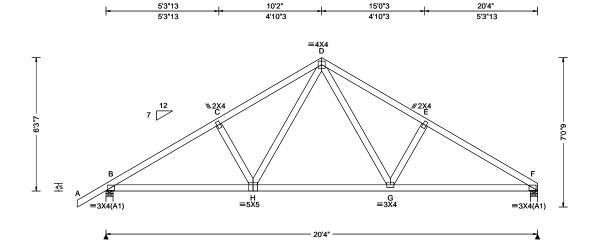
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SEQN: 636331 SPEC Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T1 FROM: CDM Qty: 3 DrwNo: 288.21.0914.11353 Truss Label: B03 / YK 10/15/2021



6'5"10

13'4"13

BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " GCpi: 0.18 Cc. from endwall: not in 9.00 ft GCpi: 0.18 Snow Duration: NA HORZ(LL): 0.016 F HORZ(TL): 0.032 F HORZ(TL):	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	4
I IVINO DURINON' I DU IVIAVE I VIEW VENZI DI DIA 0521 ZU	TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft	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)	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: 0.257 Max BC CSI: 0.469	

6'11"3

6'11"3

- 1'4" -

	▲ Maxi	mum Rea	ctions (lbs)		
		Gravity		No	on-Gra	vity
)	Loc R	+ /R-	/ Rh	/ Rw	/ U	/ RL
)	B 982	2 /-	/-	/563	/16	/177
	F 884	! /-	/-	/486	/9	/-
	Wind re	actions b	ased on	MWFRS		
	B Bro	Width =	4.0	Min Re	q = 1.5	5
	F Bro	Width =	4.0	Min Re	q = 1.5	5
	Bearing	sB&Fa	re a rigio	d surface.	-	
	Membe	rs not list	ed have	forces les	s than	375#
	Maxim	um Top (Chord Fo	orces Per	Ply (lk	os)
	Chords	Tens.Co	omp.	Chords	Tens.	Comp.
-	B-C	255 -	1365	D-E	294	- 1232
	C-D	289 -		E-F	261	

20'4"

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

Loading

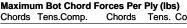
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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

Wind loading based on both gable and hip roof types.

Additional Notes

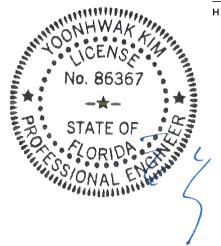
The overall height of this truss excluding overhang is



Onlorus	ido reno.comp. Onordo		rens. comp.		
B - H	1112 - 151	G-F	1128	- 157	

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	omp.	Webs	Tens. C	Comp.
H - D	471	- 87	D-G	493	-96



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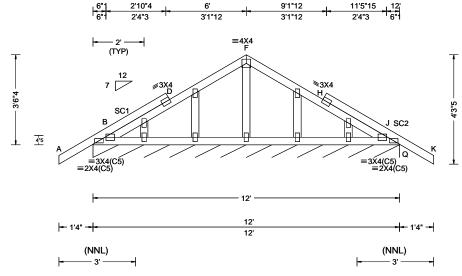
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 634076 / GABL Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T44 / FROM: CDM Qty: 1 DrwNo: 288.21.0838.05495 Truss Label: C01 / YK 10/15/2021



Loading Criteria (psf) Wind Criteria		Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.001 D 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.003 D 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 D
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.001 H
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.141
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.026
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.033
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rw /U /RL Q* 94 /-/-/48 Wind reactions based on MWFRS Q Brg Width = 144 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.

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 3-6-4.



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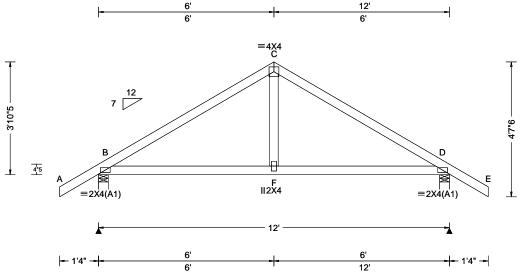
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SEQN: 634074 / COMN Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T43 / FROM: CDM DrwNo: 288.21.0838.05338 Qty: 2 Truss Label: C02 / YK 10/15/2021



Loading Criteria (p:	f) 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): 0.007 F 999 240 VERT(CL): 0.014 F 999 180 HORZ(LL): 0.004 B HORZ(TL): 0.008 B Creep Factor: 2.0 Max TC CSI: 0.346 Max BC CSI: 0.352 Max Web CSI: 0.102
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

	▲ M	laxim	um Re	actions	s (lbs)			
		(Gravity		N	lon-Gra	vity	
)	Loc	R+	/ R-	/ Rh	ı / Rw	/ U	/ RL	
)	В	567	/-	/-	/345	/97	/119	
	D	567	/-	/-	/345	/97	/-	
	Wir	nd rea	ctions I	based o	n MWFRS			
	В	Brg	Width =	4.0	Min Re	Min Req = 1.5		
	D	Brg	Width =	4.0	Min Re	eq = 1.5	5	
	Bea	irings	B&D	are a ri	gid surface			
	Mei	mbers	not lis	ted hav	e forces les	s than	375#	
	Max	kimu	m Top	Chord	Forces Pe	Ply (lb	s)	
	Cho	ords	Tens.C	omp.	Chords	Tens.	Ćomp.	
	В-	С	333	- 619	C - D	333	-619	

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 465 - 111 465

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

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

Wind loading based on both gable and hip roof types.

Additional Notes

Top chord: 2x4 SP #2;

The overall height of this truss excluding overhang is



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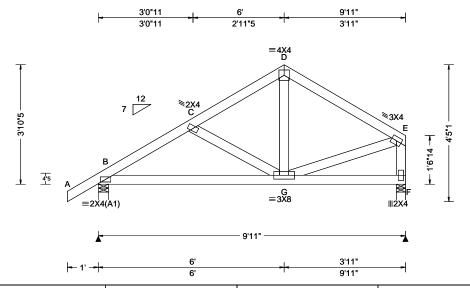
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 633528 / SPEC Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T36 / FROM: CDM DrwNo: 288.21.0838.04806 Qty: 1 Truss Label: C03 / YK 10/15/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximu
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 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	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): 0.006 C 999 240 VERT(CL): 0.012 C 999 180 HORZ(LL): 0.002 C HORZ(TL): 0.004 C Creep Factor: 2.0 Max TC CSI: 0.197 Max BC CSI: 0.271 Max Web CSI: 0.113	GI Loc R+ B 491 F 402 Wind reac B Brg W F Brg W Bearings E Members I Maximum Chords T
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	B-C C-D
Lumber				0 0

▲ M	laxim	um Rea	ctions	(lbs)		
	(Gravity		N	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	491	/-	/-	/307	/82	/101
F	402	/-	/-	/215	/67	/-
Win	d rea	ctions b	ased on	MWFRS		
В	Brg '	Width =	4.0	Min Re	eq = 1.9	5
F	Brg '	Width =	3.5	Min Re	q = 1.8	5
Bea	ırings	B&Fa	re a rigi	d surface.		
Mer	nbers	not liste	ed have	forces les	s than	375#
Max	cimu	m Top C	hord F	orces Per	Ply (lb	s)
Cho	ords	Tens.Co	mp.	Chords	Tens.	Comp.
В-	c	238	- 546	D-E	168	- 398
] C -	Ď	182	- 384	_		,,,,

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.

Wind loading based on both gable and hip roof types.

The overall height of this truss excluding overhang is

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

B - G 436 - 211



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

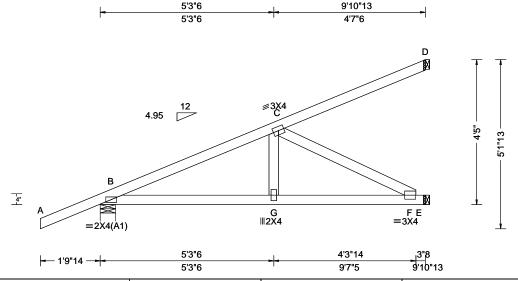
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A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

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

6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 634072 / HIP_ Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T33 / FROM: CDM DrwNo: 288.21.0838.05509 Qty: 3 Truss Label: HJ01 / YK 10/15/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.018 G 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.038 G 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.005 F
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.010 F
NCBCLL: 0.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.595
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.527
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.348
' "	Loc. from endwall: NA	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

Lumber

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

Loading

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

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 4-5-0.

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 364 /-Е 396 /-/-/15 /-248 /92 Wind reactions based on MWFRS Brg Width = 5.7 Min Req = 1.5 Brg Width = 1.5 Min Req = -Brg Width = 1.5 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.

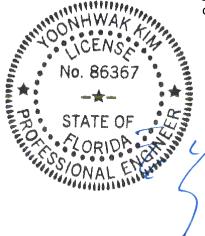
B - C 121 - 717

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)

Tens.Comp. Webs C-F 123 - 723



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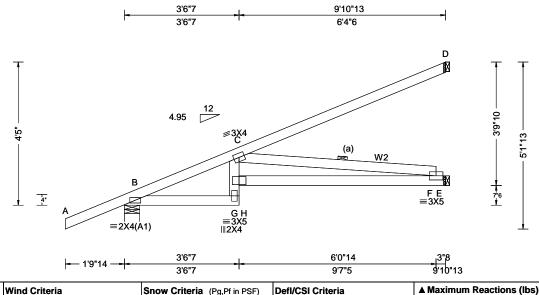
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SEQN: 634070 / HIP_ Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T2 / FROM: CDM DrwNo: 288.21.0838.05306 Qty: 1 Truss Label: HJ02 / YK 10/15/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.081 C 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.168 C 696 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.034 F
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.070 F
NCBCLL: 0.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.482
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.867
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.418
	Loc. from endwall: NA	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

Lumber Top chord: 2x4 SP M-31;

Bot chord: 2x4 SP #2; Webs: 2x4 SP M-31; W2 2x4 SP #3;

(a) Continuous lateral restraint equally spaced on

Loading

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

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

Additional Notes

The overall height of this truss excluding overhang is

Brg Width = 1.5 Min Req = -Brg Width = 1.5 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 185 - 853

/Rh

/-

/0

Wind reactions based on MWFRS Brg Width = 5.7

Non-Gravity

/126

Min Req = 1.5

/RL

/-

/0

/Rw /U

/19

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Tens. Comp. Chords B - H 799 - 178 G-F 1367 - 288

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. C-F 290 - 1380

Gravity

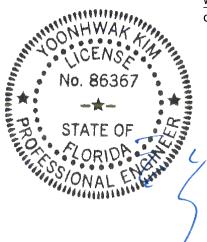
/R

Loc R+

300

344

В 361



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

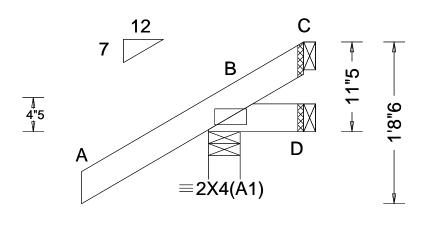
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SEQN: 634018 / JACK Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T46 / FROM: CDM DrwNo: 288.21.0838.05337 Qty: 8 Truss Label: J01 / YK 10/15/2021



□ 1'4"	1'				
14		1'			

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Ma
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 GCbi: 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): NA VERT(CL): NA HORZ(LL): -0.000 B HORZ(TL): 0.000 B Creep Factor: 2.0 Max TC CSI: 0.106 Max BC CSI: 0.014 Max Web CSI: 0.000	Loc B 1 D 1 C - Wind B E D E C E Beari Meml
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	
Lumber	·	·	·	

▲ M	laxim	um Rea	ctions (I	bs)		
Gravity Non-Gravity					vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	168	/-	/-	/129	/30	/36
D	11	/-2	/-	/11	/5	/-
С	-	/-15	/-	/18	/22	/-
Win	d read	ctions b	ased on I	MWFRS		
В	Brg V	Vidth =	4.0	Min Re	q = 1.5	5
D	Brg V	Vidth =	1.5	Min Re	q = -	
С	Brg V	Vidth =	1.5	Min Re	q = -	
Bea	ıring B	is a rig	id surfac	e.	•	
				orces less	s than	375#

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

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



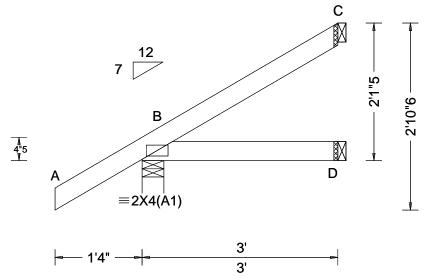
FL REG# 278, Yoonhwak Kim, FL PE #86367 10/15/2021

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 634020 / JACK Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T5 / FROM: CDM DrwNo: 288.21.0838.05009 Qty: 6 Truss Label: J02 / YK 10/15/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 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): NA VERT(CL): NA HORZ(LL): 0.001 B HORZ(TL): 0.001 B Creep Factor: 2.0 Max TC CSI: 0.114 Max BC CSI: 0.073 Max Web CSI: 0.000	
<u> </u>	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	┙
Lumber				

▲ Maximum Reactions (lbs)							
Bearing B is a rigid surface. Members not listed have forces less than 375#							

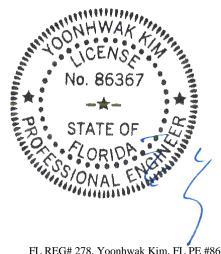
Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is



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

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

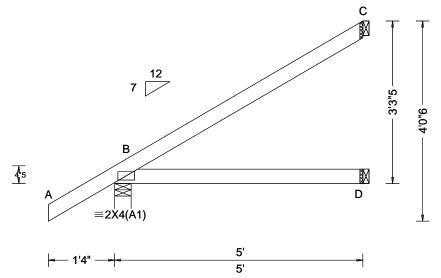
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 634022 / JACK Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T6 / FROM: CDM DrwNo: 288.21.0838.05025 Qty: 6 Truss Label: J03 / YK 10/15/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	4
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	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	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): NA VERT(CL): NA HORZ(LL): 0.005 B HORZ(TL): 0.010 B Creep Factor: 2.0 Max TC CSI: 0.394 Max BC CSI: 0.247 Max Web CSI: 0.000 VIEW Ver: 21.01.01A.0521.20	
Lumber				

	Gravity	actions (I	•	on-Gra	vity
Loc R	+ /R-	/ Rh	/ Rw	/ U	/ RL
B 29	l /-	/-	/196	/22	/118
D 92	/-	/-	/52	/-	/-
C 135	5 /-	/-	/88	/73	/-
Wind re	eactions l	oased on I	MWFRS		
B Bro	Width =	4.0	Min Re	q = 1.5	5
D Br	Width =	: 1.5	Min Re	q = -	
C Br	Width =	: 1.5	Min Re	q = -	
Bearing	B is a ri	gid surfac	e.		
Membe	rs not lis	ted have f	orces les	s than	375#

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

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



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

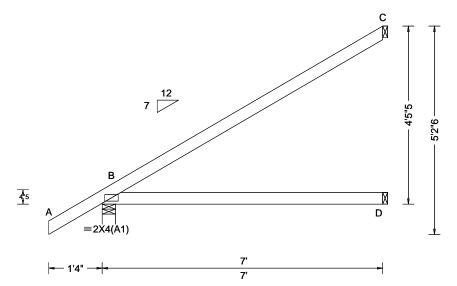
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SEQN: 634026 / **EJAC** Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T42 / FROM: CDM DrwNo: 288.21.0838.05463 Qty: 23 Truss Label: J04 / YK 10/15/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 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/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.015 B HORZ(TL): 0.030 B Creep Factor: 2.0 Max TC CSI: 0.758 Max BC CSI: 0.530 Max Web CSI: 0.000
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20
Lumber		•	-

▲ M	axim	um Rea	ctions (I	bs)		
	G	ravity		No	on-Grav	∕ity
Loc	R+	/ R-	/Rh	/ Rw	/ U	/RL
В	371	/-	/-	/245	/23	/160
D	131	/-	/-	/76	/-	/-
С	193	/-	/-	/128	/104	/-
Win	d read	ctions b	ased on I	MWFRS		
В	Brg V	Vidth =	4.0	Min Re	q = 1.5	;
D	Brg V	Vidth =	1.5	Min Re	q = -	
С	Brg V	Vidth =	1.5	Min Re	q = -	
Bea	ring B	is a rig	id surfac	e.	•	
Mer	nbers	not list	ed have f	orces less	s than 3	375#

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

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



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

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

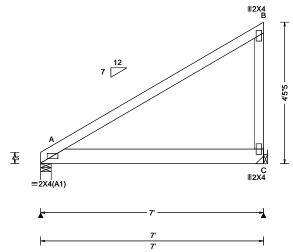
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SEQN: 396064 / **EJAC** Ply: 2 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T17 / FROM: CDM Qty: 1 DrwNo: 288.21.0838.04978 Page 1 of 2 Truss Label: J05 / YK 10/15/2021

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 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:	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.014 A HORZ(TL): 0.028 A Creep Factor: 2.0 Max TC CSI: 0.458 Max BC CSI: 0.544 Max Web CSI: 0.105
Lumbor	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 751 /119 1201 /-/-/-/39 Wind reactions based on MWFRS Brg Width = 4.0 Min Reg = 1.5Brg Width = -Min Req = -Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Nailnote

Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @ 7.50" 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) 0.00 to TC: From 63 plf at 63 plf at 20 plf at 0.00 to 20 plf at BC: 1370 lb Conc. Load at 4.73

Wind loads and reactions based on MWFRS.

Right end vertical exposed to wind pressure.

Deflection meets L/360.

Wind loading based on both gable and hip roof types.

Additional Notes

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



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

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SEQN: 396064 / **EJAC** Ply: 2 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T17 / FROM: CDM DrwNo: 288.21.0838.04978 Qty: 1 Page 2 of 2 Truss Label: J05 / YK 10/15/2021

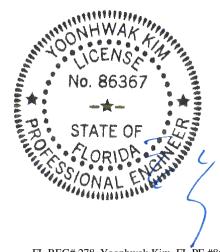
Hangers / Ties

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

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

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

Bearing at location x=6'9" uses support conditions: 6'9" Bearing C (6'9", 9'1"2) LUS26-2 uses the following Supporting Member: (1)2x6 SP 2400f-2.0E (4) 0.162"x3.5" nails into supporting member (4) 0.162"x3.5" nails into supported member.



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

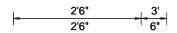
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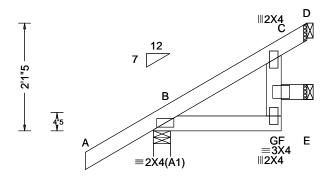
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SEQN: 634068 / JACK Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T34 / FROM: CDM DrwNo: 288.21.0838.05120 Qty: 2 Truss Label: J06 / YK 10/15/2021



2'6' 2'6"





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	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	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	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	

▲ Maximum Reactions (lbs)							
	Gravity			No	on-Gra	vity	
Loc	: R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
В	214	/-	/-	/149	/22	/77	
Ε	21	/-	/-	/15	/4	/-	
D	84	/-	/-	/60	/31	/-	
Wii	nd read	ctions b	ased on I	MWFRS			
В	Brg V	Vidth =	4.0	Min Re	q = 1.5	5	
Е	Brg V	Vidth =	1.5	Min Re	q = -		
D	Brg V	Vidth =	1.5	Min Re	q = -		
Bea	aring B	is a rig	jid surface	Э.	-		
Ме	mbers	not list	ed have fo	orces less	s than	375#	
	Loc B E D Win B E D Bea	B 214 E 21 D 84 Wind read B Brg V E Brg V D Brg V Bearing E	Gravity	Gravity Loc R+ /R- /Rh B 214 /- /- E 21 /- /- D 84 /- /- Wind reactions based on N B Brg Width = 4.0 E Brg Width = 1.5 D Brg Width = 1.5 Bearing B is a rigid surface	Gravity	Gravity	

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is



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

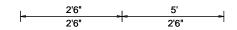
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

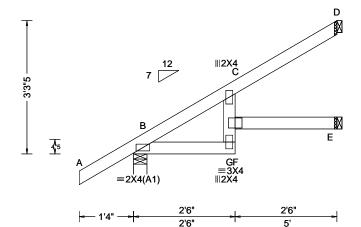
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SEQN: 634066 / JACK Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T50 / FROM: CDM DrwNo: 288.21.0838.04994 Qty: 2 Truss Label: J07 / YK 10/15/2021







		_		
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	1
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): 0.055 F 999 240	!
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.110 F 527 180	П
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.034 C	H
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.069 C	1
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	Ľ
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.357	
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.111	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.097	ľ
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		ľ
	GCpi: 0.18	Plate Type(s):		┛
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	
			I .	_

▲ M	axim	um Rea	ictions (l	bs)		
	G	avity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	291	/-	/-	/196	/22	/118
Е	61	/-	/-	/36	/-	/-
D	151	/-	/-	/104	/68	/-
Win	d read	ctions b	ased on I	MWFRS		
В	Brg V	Vidth =	4.0	Min Re	q = 1.5	5
Е	Brg V	Vidth =	1.5	Min Re	q = -	
D	Brg V	Vidth =	1.5	Min Re	q = -	
Bea	ring B	is a rig	jid surfac	e.		
Mer	nbers	not list	ed have f	orces les	s than	375#

Lumber

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

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



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

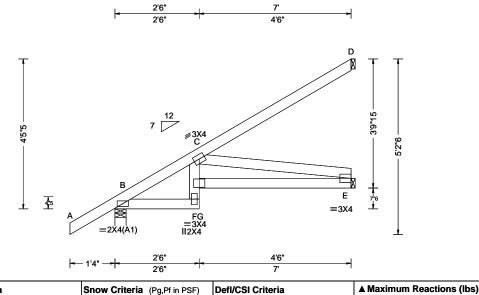
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SEQN: 634064 / **EJAC** Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T31 / FROM: CDM Qty: 5 DrwNo: 288.21.0838.05415 Truss Label: J08 / YK 10/15/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Ī
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.023 F 999 240	ı
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.047 F 999 180	
BCDL: 10.00	Risk Category: II EXP: C Kzt: NA	Snow Duration: NA	HORZ(LL): 0.014 E	
Des Ld: 40.00	Mean Height: 15.00 ft		HORZ(TL): 0.029 E	
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.323	
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.330	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.729	
-	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	
Lumber				-

130 /85 Wind reactions based on MWFRS Brg Width = 4.0 Min Req = 1.5 Brg Width = 1.5 Min Req = -Brg Width = 1.5 Min Rea = -Bearing B is a rigid surface. Members not listed have forces less than 375#

/Rh

/-

Non-Gravity

/RL

/160

/Rw /U

/245

/119 /17 /-

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

B - C 89 - 402

Gravity

Loc R+

В 371 /-

Е 162 /-

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is

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

F-E 549 - 503

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. C-E 508 - 554



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

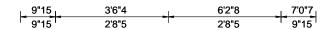
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

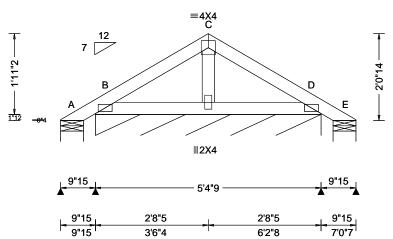
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 633684 / GABL Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T3 / FROM: CDM DrwNo: 288.21.0838.04681 Qty: 1 Truss Label: PB01 / YK 10/15/2021





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	1
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
1.0220.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.001 B 999 240	L
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 B 999 180	1
10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 B	E
Dec 1 d · 40 00	EXP: C Kzt: NA		HORZ(TL): 0.001 B	E
NCBCLL: 10.00	Mean Height: 15.24 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	٧
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.069	1
l	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.035	E
1	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.016	le
' -	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		ľ
	GCpi: 0.18	Plate Type(s):		ַן "
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	

		Das	-4i /I	ha\ a= *	DIE					
▲ Maximum Reactions (lbs), or *=PLF										
	G	iravity		No	on-Gra	vity				
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL				
Α	-	/-9	/-	/34	/33	/52				
B*	85	/-	/-	/59	/10	/-				
Ε	-	/-9	/-	/7	/7	/-				
Win	d read	ctions b	ased on I	MWFRS						
Α	Brg V	Vidth =	6.5	Min Re	Min Req = 1.5					
	Brg V	Vidth =	64.6	Min Re	q = -					
Е	Brg V	Vidth =	6.5	Min Re	q = 1.5	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

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

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.

The overall height of this truss excluding overhang is 2-0-14.



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

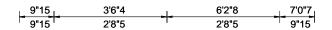
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

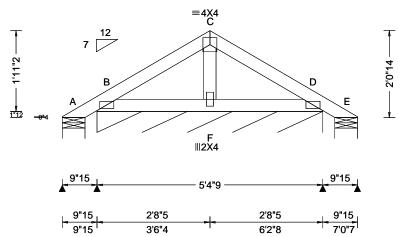
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SEQN: 633698 / COMN Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T16 / FROM: CDM DrwNo: 288.21.0838.04634 Qty: 1 Truss Label: PB02 / YK 10/15/2021





Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 20.58 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:	Defl/CSI Criteria	E
NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	TCDL: 5.0 psf BCDL: 2.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Max TC CSI: 0.070 Max BC CSI: 0.035 Max Web CSI: 0.016 VIEW Ver: 21.01.01A.0521.20	E

▲ Maximum Reactions (lbs), or *=PLF								
	G	avity		No	on-Gra	vity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
Α	-	/-11	/-	/33	/39	/53		
В*	84	/-	/-	/56	/16	/-		
Е	-	/-11	/-	/6	/13	/-		
Wir	nd read	ctions b	ased on I	MWFRS				
Α	Brg V	Vidth =	6.5	Min Req = 1.5				
			64.6	Min Re	q = -			
Е	Brg V	Vidth =	6.5	Min Re	$\dot{q} = 1.5$	5		
Bearings A, B, & E are a rigid surface.								
Mei	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.

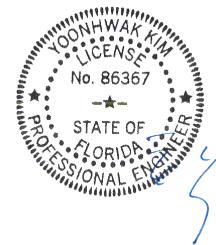
Wind

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 2-0-14.



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

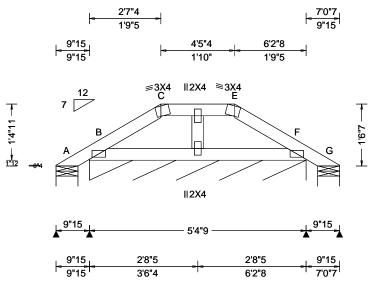
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SEQN: 633700 / GABL Ply: 1 Job Number: 21-5954 Cust: R 215 JRef: 1X9O2150001 T24 / FROM: CDM DrwNo: 288.21.0838.04807 Qty: 1 Truss Label: PB03 / YK 10/15/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.001 C 999 240	١.
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.002 C 999 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 E	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 E	
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.033	
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.031	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.017	
' '	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: 21.01.01A.0521.20	I

▲ Maximum Reactions (lbs), or *=PLF								
	G	avity	No	on-Gra	vity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
Α	13	/-	/-	/31	/22	/38		
B*	77	/-	/-	/53	/8	/-		
G	13	/-	/-	/11	/3	/-		
Win	d read	ctions b	ased on I	MWFRS				
Α	Brg V	Vidth =	6.5	Min Reg = 1.5				
В	Brg V	Vidth =	64.6	Min Re	q = -			
G	Brg V	Vidth =	6.5	Min Re	q = 1.	5		
Bearings A, B, & G are a rigid surface.								
Members not listed have forces less than 375#								

Lumber

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

Plating Notes

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

Loading

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

1-6-7

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.

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



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

Gable Stud Reinforcement Detail

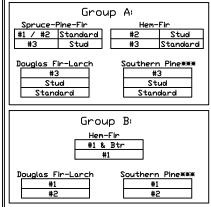
ASCE 7-16: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

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

							· · · · · · · · · · · · · · · · · · ·			<u>-</u>		•	1	
		2x4 · Vertica	Brace	No	(1) 1×4 "L	" Brace *	(1) 2×4 *L	" Brace *	(2) 2×4 L	* Brace **	(1) 2×6 *L	" Brace *	(2) 2x6 L	Brace **
	Spacing	Species	Grade		Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B
		CDE	#1 / #2	4′ 3″	7′ 3″	7′ 7″	8′ 7 ″	8′ 11 ″	10′ 3 ″	10′ 8 ″	13′ 6 ″	14′ 0″	14′ 0″	14′ 0″
	1.7	SPF	#3	4′ 1″	6′ 7 ″	7′ 1″	8′ 6 ″	8′ 10 ″	10′ 1″	10′ 6 ″	13′ 4″	13′ 10 ″	14′ 0″	14′ 0″
	Ų	HF	Stud	4′ 1″	6′ 7 ″	7′ 0 ″	8′ 6 ″	8′ 10 ″	10′ 1″	10′ 6″	13′ 4″	13′ 10 ″	14′ 0″	14′ 0 ″
	Ō	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″
0.			#1	4′ 6″	7′ 4″	7′ 8 ″	8′ 8 ″	9′ 0″	10′ 4″	10′ 9″	13′ 8″	14′ 0″	14′ 0″	14′ 0″
	*	SP	#2	4′ 3″	7′ 3″	7′ 7″	8′ 7 ″	8′ 11 ″	10′ 3″	10′ 8″	13′ 6″	14′ 0″	14′ 0″	14′ 0″
	4	l	#3	4′ 2″	6′ 0″	6′ 4″	7′ 11″	8′ 6 ″	10′ 2″	10′ 7″	12′ 5 ′	13′ 4″	14′ 0″	14′ 0″
 	Ω	IDFL	Stud	4′ 2″	6′ 0″	6′ 4″	7′ 11″	8′ 6 ″	10′ 2″	10′ 7″	12′ 5 ″	13′ 4″	14′ 0″	14′ 0″
			Standard	4′ 0″	5′ 3 ″	5′ 7 ″	7′ 0 ″	7′ 6″	9′ 6″	10′ 2″	11′ 0″	11′ 10″	14′ 0″	14′ 0″
		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″
+>	. .	76	#3	4′ 8″	8′ 1 ″	8′ 8 ″	9′ 8″	10′ 1″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	U	HF	Stud	4′ 8″	8′ 1″	8′ 6 ″	9′ 8″	10′ 1″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
ΠāΙ	ō	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″
🖑			#1	5′ 1 ″	8′ 5 ″	8′ 9 ″	9′ 11″	10′ 4″	11′ 10″	12′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
/		SP	#2	4′ 11″	8′ 4″	8′ 8 ″	9′ 10″	10′ 3″	11′ 8″	12′ 2 ″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	è	Ъ.	#3	4′ 9″	7′ 4″	7′ 9″	9′ 9″	10′ 2″	11′ 8″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
0	Ţ	DFL	Stud	4′ 9″	7′ 4″	7′ 9″	9′ 9″	10′ 2″	11′ 8″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
$ \preceq $			Standard	4′ 8″	6′ 5″	6′ 10″	8′ 7 ″	9′ 2″	11′ 7″	12′ 1″	13′ 6″	14′ 0″	14′ 0″	14′ 0″
오		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″
_절			#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″
	Ō	' ''	Standard	5′ 1 ″	8′ 0″	8′ 6″	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
×			#1	5′ 8″	9′ 3″	9′ 8″	10′ 11″	11′ 4″	13′ 0″	13′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
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″
$ \bar{\Sigma} $	N	ושכו	#3	5′ 3″	8′ 5″	9′ 0″	10′ 9″	11′ 2″	12′ 10″	13′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
		DFL	Stud	5′ 3″	8′ 5″	9′ 0″	10′ 9″	11′ 2″	12′ 10″	13′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
			Standard	5′ 1 ″	7′ 5″	7′ 11″	9′ 11″	10′ 7″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″



Bracing Group Species and Grades:

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.

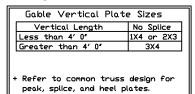
Gable Truss Detail Notes: Wind Load deflection criterion is L/240.

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. ₩¥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.



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

ASCE7-16-GAB14015

|DATE 01/26/2018

Gable Truss Diagonal brace option: vertical length may be doubled when diagonal brace is used. Connect diagonal brace for 450# at each end. Max web "L" Brace End total length is 14'. Zones, typ. 2x4 DF-L #2 or better diagonal brace; single Vertical length shown or double cut in table above. (as shown) at upper end. Constituous Bearing Connect diagonal at Refer to chart above son midpoint of vertical web.

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

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

514 Earth City Expressway Suite 242 Earth City, MO 63045

For more information see this job's general notes page and these web sites 15,202 178 Yoonhwak Kim, FL PE #86367 ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.org; ICC: www.ccsafe.org #278

Gable Stud Reinforcement Detail

ASCE 7-16: 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

120 mph Wind Speed, 30' Mean Height, Enclosed, Exposure D. Kzt = 1.00

	150	mpri	WILL	speeu,	30	neuri	neign c,	LIICIOSEO	i, Exposur	e D, NZ C -	1.00
rı	100	mph	wind	speed,	30'	Mean	Height,	Partially	Enclosed,	Exposure	D, $Kzt = 1.00$

		2×4 Vertica	Brace	No	(1) 1×4 "L	Brace *	(1) 2×4 *L	." Brace *	(2) 2×4 *L	Brace **	(1) 2×6 *L	" Brace *	(2) 2×6 L	Brace *	*
		Species	Grade	-	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	
다 구 		CDE	#1 / #2	4′ 1″	6′ 11 ″	7′ 2″	8′ 2 ″	8′ 6″	9′ 9″	10′ 2″	12′ 10 ″	13′ 4″	14′ 0″	14′ 0″]
		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	Ų	HF	Stud	3′ 10″	6′ 2″	6′ 6″	8′ 1″	8′ 5″	9′ 8″	10′ 0″	12′ 8″	13′ 2″	14′ 0″	14′ 0″	
	10	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″	
به			#1	4′ 2″	7′ 0 ″	7′ 3″	8′ 3″	8′ 7″	9′ 10″	10′ 3″	13′ 0″	13′ 6″	14′ 0″	14′ 0″	
$ \perp $	🔪	ISP I	#2	4′ 1″	6′ 11″	7′ 2″	8′ 2 ″	8′ 6″	9′ 9″	10′ 2″	12′ 10″	13′ 4″	14′ 0″	14′ 0″	
	4		#3	4′ 0″	5′ 7″	5′ 11 ″	7′ 5″	7′ 11″	9′ 8″	10′ 1″	11′ 7″	12′ 5″	14′ 0″	14′ 0″	
	N	IDFLI	Stud	4′ 0″	5′ 7 ″	5′ 11 ″	7′ 5″	7′ 11″	9′ 8″	10′ 1″	11′ 7″	12′ 5 ″	14′ 0″	14′ 0″	
ĕ			Standard	3′ 9″	4′ 11″	5′ 13 ″	6′ 6″	7′ 0 ″	8′ 10 ″	9′ 6″	10′ 3″	11′ 0″	13′ 11″	14′ 0″	
II . 🖰		احمدا	#1 / #2	4′ 8″	7′ 11″	8′ 3″	9′ 4″	9′ 9″	11′ 2″	11′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	╛
+>	-	SPF	#3	4′ 5 ″	7′ 6″	8′ 3″	9′ 3″	9′ 7″	11′ 0″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
	Ų	HF	Stud	4′ 5″	7′ 6″	8′ 0 ″	9′ 3″	9′ 7″	11′ 0″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	╛
\frac{1}{2}	Ιō	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″	
$\mathbb{N}^{\mathbb{Z}}$			#1	4′ 10″	8′ 0 ″	8′ 4″	9′ 6″	9′ 10″	11′ 3″	11′ 9″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	╛
>		ISP I	#2	4′ 8″	7′ 11″	8′ 3″	9′ 4″	9′ 9″	11′ 2″	11′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
	Ý.	l	#3	4′ 7″	6′ 10 ″	7′ 3″	9′ 1″	9′ 8″	11′ 1″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	╛
llω	1,6	IDFLI	Stud	4′ 7″	6′ 10 ″	7′ 3″	9′ 1″	9′ 8″	11′ 1″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
J			Standard	4′ 5 ″	6′ 0 ″	6′ 5 ″	8′ 0″	8′ 7″	10′ 10″	11′ 6″	12′ 7″	13′ 15″	14′ 0″	14′ 0″	╛
		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″	
[] []	-	12LL	#3	4′ 10″	8′ 7 ″	8′ 11 ″	10′ 2″	10′ 7″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	╛
0	Ų	HF	Stud	4′ 10″	8′ 7 ″	8′ 11 ″	10′ 2″	10′ 7″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
	اما	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″	╛
$ \times $			#1	5′ 4″	8′ 10 ″	9′ 2″	10′ 5″	10′ 10″	12′ 5″	12′ 11″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	╛
ll â		SP	#2	5′ 2″	8′ 9 ″	9′ 1″	10′ 4″	10′ 9″	12′ 3″	12′ 9″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	╛
IJĔ	ù	I	#3	5′ 0 ″	7′ 10″	8′ 4″	10′ 3″	10′ 8″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
	15	IDFLI	Stud	5′ 0 ″	7′ 10 ″	8′ 4″	10′ 3″	10′ 8″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	_[
			Standard	4′ 10″	6′ 11″	7′ 4″	9′ 3″	9′ 10″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	⅃

Bracing Group Species and Grades: Group A: Spruce-Pine-Fir <u>He</u>m-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 Douglas Fir-Larch Southern Pine*** #1 #1 #2

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

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

Provide uplift connections for 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	e 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					

peak, splice, and heel plates.

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

Symm C Gable Truss Diagonal brace option: vertical length may be doubled when diagonal brace is used. Connect diagonal brace for 525# at each end. Max web "L" Brace End total length is 14'. Zones, typ. 2x6 DF-L #2 or better diagonal brace; single Vertical length shown or double cut in table above. (as shown) at upper end. Constitutions Bearing Connect diagonal at mas Refer to chart above son midpoint of vertical web.

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

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

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

onhwak Kim FL PE #86367

514 Earth City Expressway Suite 242 Earth City, MO 63045

ASCE7-16-GAB14030 |DATE 01/26/2018 DRWG A14030ENC160118

CLR Reinforcing Member Substitution

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

Notes:

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

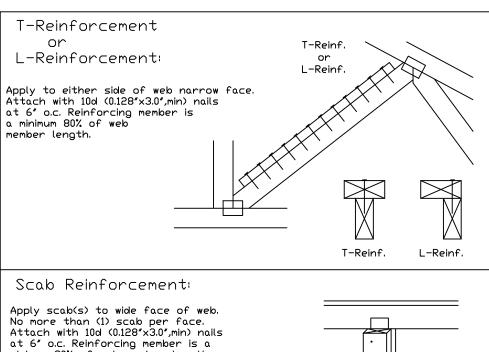
Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type.

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

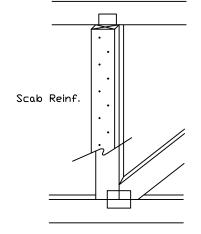
Web Member	Specified CLR	Alternative Reir	
Size	Restraint	T- or L- Reinf.	
2x3 or 2x4	1 row	2×4	1-2×4
2x3 or 2x4	2 rows	2×6	2-2×4
2×6	1 row	2×4	1-2×6
2×6	2 rows	2×6	2-2×4(*)
2×8	1 row	2×6	1-2×8
2×8	2 rows		2-2×6(*/)

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

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



minimum 80% of web member length.



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Trusses require extreme care in fabricating, handling, shipping, installing and inclinations of the installing and process.

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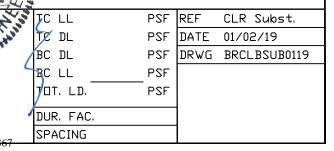
Refer to drawings 160A-Z for standard plate positions.

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



514 Earth City Expressway Suite 242 Earth City, MO 63045

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

Provide connections for uplift specified on the engineered truss design.

Attach each "T" reinforcing member with

End Driven Nails:

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

(4) nails in the top and bottom chords.

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

(4) toenails in the top and bottom chords.

This detail to be used with the appropriate Alpine gable detail for ASCE wind load.

ASCE 7-05 Gable Detail Drawings

A13015051014, A12015051014, A11015051014, A10015051014, A14015051014, A13030051014, A12030051014, A11030051014, A10030051014, A14030051014

ASCE 7-10 & ASCE 7-16 Gable Detail Drawings

A11515ENC100118, A12015ENC100118, A14015ENC100118, A14013ENC100118,

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

\$18015ENC100118, \$20015ENC100118, \$20015END100118, \$20015PED100118 \$11530ENC100118, \$12030ENC100118, \$14030ENC100118, \$12030ENC100118) \$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 %				
ſ	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 $1.30 \times 8' \ 7'' = 11' \ 2''$

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

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For more information see this job's general notes page and these web sites/15/2021 ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.org; ICC: www.dcf.coft.bro# 278, Yoonhwak Kim, FL PE #86367

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

MAX. TOT. LD. 60 PSF DUR. FAC. ANY

MAX. SPACING 24.0"



Rigid Sheathing

Ceiling

4 Nails

Nails

Spaced At

4 Nails

Reinforcing Member

Gable

Truss

514 Earth City Expressway Suite 242 Earth City, MO 63045

Piggyback Detail - ASCE 7-16: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

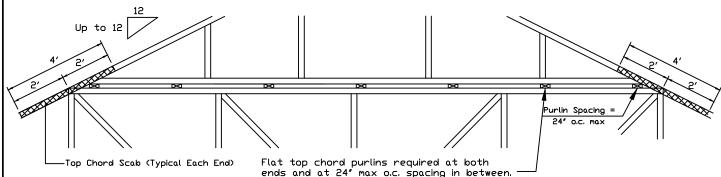
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0. Dr 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

Note: Top chords of trusses supporting piggyback cap trusses must be adequately braced by sheathing or purlins. The building Engineer of Record shall provide diagonal bracing or any other suitable anchorage to permanently restrain purlins, and lateral bracing for out of plane loads over gable ends.

Maximum truss spacing is 24' o.c. detail is not applicable if cap supports additional loads such as cupola, steeple, chimney or drag strut loads.

** Refer to Engineer's sealed truss design drawing for piggyback and base truss specifications.

Detail A: Purlin Spacing = 24" o.c. or less



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

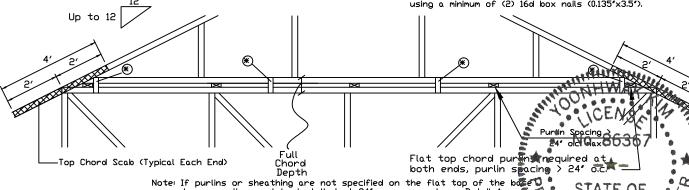
Attach purlin bracing to the flat top chord using (2) 16d box nails (0.135"x3.5").

The top chord #3 grade 2x4 scab may be replaced with either of the following: (1) 3X8 Trulox plate attached with (8) 0.120"x1.375" nalls, (4) into cap TC & (4) into base truss TC or (1) 28PB wave piggyback plate plated to the piggyback truss TC and attached to the base truss TC with (4) 0.120"x1.375" nails. Note: Nailing thru holes of wave plate is acceptable.

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

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

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



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

nhwak Kim EL PE #86367

* In addition, provide connection with one of the following methods:

Use 3X8 Trulox plates for 2x4 chord member, and 3X10 Trulox plates for 2x6 and larger chord members. Attach to each face @ 8' o.c. with (4) 0.120"x1.375" nails into cap bottom chord and (4) in base truss top chord. Trulox plates may be staggered 4' o.c. front to back faces.

APA Rated Gusset

8'x8'x7'16' (min) APA rated sheathing gussets (each face). Attach @ 8' o.c. with (8) 6d common (0.13'x2') nalls per gusset, (4) in cap bottom chord and (4) in base truss top chord. Gussets may be staggered 4' o.c. front to back faces.

2x4 Vertical Scabs

2x4 SPF #2, full chord depth scabs (each face). Attach @ 8' o.c. with (6) 10d box nails (0.128"x3") per scab, (3) in cap bottom chord and (3) in base truss top chord. Scabs may be staggered 4' o.c. front to back faces.

28PB Wave Piggyback Plate

Dine 28PB wave piggyback plate to each face 8 8' o.c. Attach teeth to piggyback at time of fabrication. Attach to supporting truss with (4) 0.120'x1.375' nails per face per ply.
Piggyback plates may be staggered 4' o.c. front to back faces.

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PIGGYBACK DATE 01/02/2018 DRWG PB160160118

13723 Riverport Drive Suite 200 Maryland Heights, MO 63043

AN ITW COMPANY

SPACING 24.0"