



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





Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 20-4232
Job Description: Sylvester Warren-Lot 4 Emerald Cove	
Address:	

Job Engineering Criteria:						
Design Code: FBC 2017 RES	IntelliVIEW Version: 19.02.02B					
	JRef #: 1WV82150002					
Wind Standard: ASCE 7-10 Wind Speed (mph): 130	Roof Load (psf): 20.00-10.00- 0.00-10.00					
Building Type: Closed	Floor Load (psf): None					

This package contains general notes pages, 33 truss drawing(s) and 3 detail(s).

Item	Drawing Number	Truss
1	134.20.1423.17007	A01
3	134.20.1423.20507	A03
5	134.20.1423.23957	A05
7	134.20.1423.29257	A07
9	134.20.1423.43187	A09
11	134.20.1423.47270	B02
13	134.20.1423.50523	B04
15	134.20.1423.54053	B06
17	134.20.1424.05947	C01
19	134.20.1424.08690	C03
21	134.20.1425.02180	D02
23	134.20.1425.30820	G02
25	134.20.1425.37547	J02
27	134.20.1425.51317	J04
29	134.20.1425.57780	J5A
31	134.20.1426.02133	J07
33	134.20.1426.08673	J09
35	A14015ENC101014	

Item	Drawing Number	Truss
2	134.20.1423.19023	A02
4	134.20.1423.21867	A04
6	134.20.1423.27780	A06
8	134.20.1423.31290	A08
10	134.20.1423.45350	B01
12	134.20.1423.48973	B03
14	134.20.1423.52110	B05
16	134.20.1424.02400	B07
18	134.20.1424.07507	C02
20	134.20.1424.11843	D01
22	134.20.1425.08850	G01
24	134.20.1425.32740	J01
26	134.20.1425.39310	J03
28	134.20.1425.53243	J05
30	134.20.1426.00540	J06
32	134.20.1426.04640	J08
34	BRCLBSUB0119	
36	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 <a href="https://www.icc-es.org">www.icc-es.org</a>.

# Fire Retardant Treated Lumber:

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

# **General Notes** (continued)

# **Key to Terms:**

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

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

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

CL = Certified lumber.

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

FRT = Fire Retardant Treated lumber.

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

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

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

g = green lumber.

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

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

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

Ic = Incised lumber.

FJ = Finger Jointed lumber.

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

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

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

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

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

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

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

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

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

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

PP = Panel Point.

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

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

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

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

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

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

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

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

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

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

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

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

Refer to ASCE-7 for Wind and Seismic abbreviations.

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

# References:

- 1. AWC: American Wood Council; 222 Catoctin Circle SE, Suite 201; Leesburg, VA 20175; www.awc.org.
- 2. ICC: International Code Council; www.iccsafe.org.
- 3. Alpine, a division of ITW Building Components Group Inc.: 13723 Riverport Drive, Suite 200, Maryland Heights, MO 63043; <a href="https://www.alpineitw.com">www.alpineitw.com</a>.
- 4. TPI: Truss Plate Institute, 2670 Crain Highway, Suite 203, Waldorf, MD 20601; www.tpinst.org.
- 5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www.sbcindustry.com.

SEQN: 591881 HIPM Ply: 2 Job Number: 20-4232 Cust: R 215 JRef: 1WV82150002 T33 FROM: CDM Sylvester Warren-Lot 4 Emerald Cove Qty: 1 DrwNo: 134.20.1423.17007 Truss Label: A01 / YK 05/13/2020 2 Complete Trusses Required 13'10"2 20'6"8 27'2"14 34'1" 6'10"2 6'8"6 6'8"6 6'10"2 =7X8 C =3X4 ≡7X6 =4<u>X</u>4 ≡4X8 W8 3'10"3 4'6"15 4\*3 ∥2X4 =7X6 || H || 2X10 =4X6(A1) =4X10 **≡8**x8 34'1" 6'10"2 6'8"6 6'8"6 6'10"2

Loading Criteria (psf)	Wind Criteria
TCLL: 20.00	Wind Std: ASCE 7-10
TCDL: 10.00	Speed: 130 mph
BCLL: 0.00	Enclosure: Closed
BCDL: 10.00	Risk Category: II
	EXP: C Kzt: NA
isir	Mean Height: 15.00 ft
NCBCLL: 0.00	TCDL: 5.0 psf
Soffit: 2.00	BCDL: 5.0 psf
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2
Spacing: 24.0 "	C&C Dist a: 3.41 ft
	Loc. from endwall: not in 4.50 ft
	GCpi: 0.18
	Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria				
Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#				
Pf: NA Ce: NA	VERT(LL): 0.169 D 999 240				
Lu: NA Cs: NA	VERT(CL): 0.339 D 999 180				
Snow Duration: NA	HORZ(LL): 0.036 C				
	HORZ(TL): 0.071 C				
Code / Misc Criteria	Creep Factor: 2.0				
Bldg Code: FBC 2017 RES	Max TC CSI: 0.176				
TPI Std: 2014	Max BC CSI: 0.296				
Rep Fac: No	Max Web CSI: 0.337				
FT/RT:20(0)/10(0)					
Plate Type(s):					
WAVE	VIEW Ver: 19.02.02B.0122.15				

20'6"8

27'2"14

▲ IV		um Rea	ctions	. ,	on-Gra	vitv
Loc		/ R-	/Rh	/ Rw		/ RL
В	3225	1-	/-	/-	/685	1-
H	3403	/-	/-	/-	/717	1-
Win	d read	ctions b	ased on	<b>MWFRS</b>		
В	Brg V	Vidth =	4.0	Min Re	q = 1.5	5
Н	Brg V	Vidth =	=			
Bea	ring B	is a rig	id surfa	ce.		
Mer	nbers	not liste	ed have	forces less	s than 3	375#
				orces Per		
				Chords		
B -	С	685 -	3229	E-F	877	-4174
C -	D	886 -	4208	F-G	588	-2803
D-	Ε	877 -4	4174			

34'1'

# Lumber

Top chord: 2x6 SP 2400f-2.0E; T1 2x4 SP M-31; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W2,W6 2x4 SP #2; W8 2x4 SP M-31;

# Nailnote

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

Use equal spacing between rows and stagger nails in each row to avoid splitting.

# Special Loads

-(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) C: From 62 plf at -1.50 to 62 plf at 7.00 C: From 31 plf at 7.00 to 31 plf at 34.08 TC: From TC: From BC: From 4 plf at 20 plf at -1.50 to 0.00 to 4 plf at 0.00 20 plf at 10 plf at BC: From 10 plf at 7.03 to BC: From 34.08 187 lb Conc. Load at 7.06, 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

BC: 543 lb Conc. Load at 7.03 BC: 129 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

# Hangers / Ties

(J) Hanger Support Required, by others

# Wind

13'10"2

Wind loads and reactions based on MWFRS. Right end vertical not exposed to wind pressure. Uplifts based on an elevation at or above 1000 ft.

# **Additional Notes**

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

# Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.		
B-L	2859	-600	K-J	4244	- 899	
L-K	2876	-600	J-1	2901	-616	

# Maximum Web Forces Per Ply (lbs)

vvens	rens.c	omp.	vvebs	rens.	Comp.	
C-L	400	-22	J-F	1433	- 294	
C - K	1494	- 320	F - 1	320	- 1142	
K - D	164	-430	1 - G	3132	-658	
E - J	143	- 376	G-H	364	- 1595	

FL REG# 278, Yoonhwak Kim, FL PE #86367 05/13/2020

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

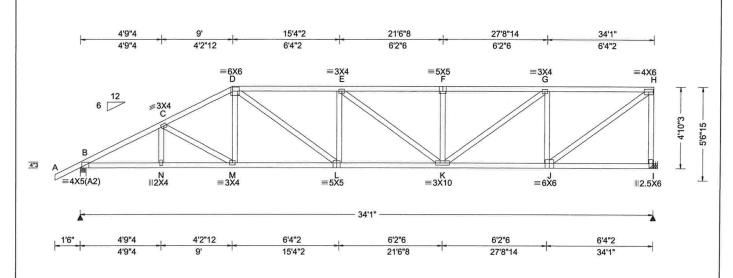
\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

6750 Forum Drive Suite 305 Orlando FL, 32821

SEQN: 591884 HIPM Job Number: 20-4232 Ply: 1 Cust: R 215 JRef: 1WV82150002 T13 FROM: CDM Qty: 1 Sylvester Warren-Lot 4 Emerald Cove DrwNo: 134.20.1423.19023 Truss Label: A02 / YK 05/13/2020



Loading Criteria (psf) TCLL: 20.00	Wind Criteria Wind Std: ASCE 7-10	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA	ADOZDENIANE ZUCZOCION	▲ Maximum Reactions (I Gravity	lbs) Non-Gravity	
TCDL: 10.00	Speed: 130 mph	Pf: NA CE: NA CAT: NA	VERT(LL): 0.166 E 999 240	1 D. /D. /Db	/Rw /U /RL	
BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	LL: 0,00   Enclosure: Closed   Risk Category: II   EXP: C   Kzt: NA   Mean Height: 15.00 ft   TCDL: 5.0 psf   BCDL: 5.0 psf	Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes	VERT(CL): 0.340 E 999 180 HORZ(LL): 0.048 J	B 1512 /- /- /903 /270 /150 I 1395 /- /- /713 /268 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.8 I Brg Width = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#		
Spacing, 24.0	C&C Dist a: 3.41 ft Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	Max trop con sir co	Maximum Top Chord For Chords Tens.Comp.	rces Per Ply (lbs) Chords Tens. Comp.	
	GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): WAVE	VIEW Ver: 19.02.02B.0122.15		E - F 661 - 2462 F - G 661 - 2462	
Lumber					G-H 430 -1608	

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

# Hangers / Ties

(J) Hanger Support Required, by others

# Wind

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

Right end vertical not exposed to wind pressure. Uplifts based on an elevation at or above 1000 ft.

# **Additional Notes**

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



# Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.	
B - N	2267	- 694	L-K	2624	-725
N - M	2266	-695	K-J	1674	-451
M - L	2041	-602			

# Maximum Web Forces Per Ply (lbs)

vvebs	Tens.Comp.		webs	Tens. Comp.		
D-L	700	- 166	J - H	1995	-533	
K-G	986	-262	H-1	395	- 1344	
GI	340	- 1045				

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

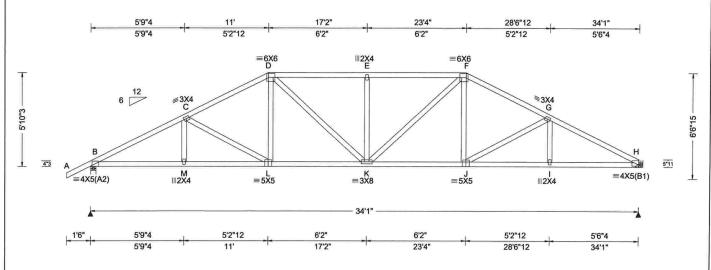
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SEQN: 591887 HIPS Ply: 1 Job Number: 20-4232 Cust: R 215 JRef: 1WV82150002 T14 Sylvester Warren-Lot 4 Emerald Cove FROM: CDM Qty: 1 DrwNo: 134.20.1423.20507 Truss Label: A03 / YK 05/13/2020



Snow Critoria (Pa Di in DSE) Doff/CSI Critoria

Willia Ciliteria	Show Citteria (Pg,PilitPSP)	Dell/Col Cillella
Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.147 E 999 240
	Lu: NA Cs: NA	VERT(CL): 0.301 E 999 180
	Snow Duration: NA	HORZ(LL): 0.060 I
		HORZ(TL): 0.123 I
	Code / Misc Criteria	Creep Factor: 2.0
	Bldg Code: FBC 2017 RES	Max TC CSI: 0.552
	TPI Std: 2014	Max BC CSI: 0.945
	Rep Fac: Yes	Max Web CSI: 0.299
	FT/RT:20(0)/10(0)	The Anadomic Control and Science (Control and Control
	Plate Type(s):	
Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15
	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.41 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.41 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18  Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):

▲ Ma	ximu	ım Rea	ctions	(lbs)		
	G	ravity		N	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B 1	507	<i>J</i> -	/-	/893	/274	/166
H 1	400	1-	1-	/804	/246	1-
Wind	read	tions b	ased or	<b>MWFRS</b>		
В Е	3rg W	/idth =	4.0	Min Re	eq = 1.8	3
H E	3rg W	/idth =	-	Min Re	ea = -	
Beari	ng B	is a rig	id surfa	ce.	2.24	
				forces les	s than :	375#
				orces Per		
				Chords		
B - C		660 -2	2586	E-F	658	-2158
C-D		616 -2	2167	F-G	611	-2150
D-E		658 - 2	2158	G-H	649	- 2513

# Lumber

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

# Hangers / Ties

(J) Hanger Support Required, by others

Loading Criteria (ncf) Wind Criteria

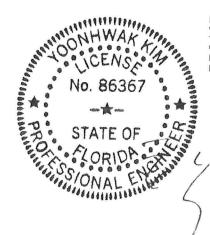
# Wind

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

Uplifts based on an elevation at or above 1000 ft.

# Additional Notes

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



# Maximum Bot Chord Forces Per Ply (lbs)

M-L	Tens.C	Comp.	Chords	Tens.	Comp.
B - M	2241	- 536	K-J	1863	- 398
M-L	2239	- 537	J-1	2166	- 513
L-K	1876	-409	1 - H	2168	-512

# Maximum Web Forces Per Ply (lbs)

vveus	16115.0	Jonip.	vvebs	rens.	comp.
C-L	147	-419	E-K	159	- 399
D-L	393	- 59	K-F	397	- 115
D - K	380	- 116			

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SEQN: 591890 HIPS Ply: 1 Job Number: 20-4232 Cust: R 215 .JRef: 1WV82150002 T1 Sylvester Warren-Lot 4 Emerald Cove FROM: CDM Qty: 1 DrwNo: 134.20.1423.21867 Truss Label: A04 / YK 05/13/2020 7'8"8 13' 21'4" 28'2" 17'2" 34'1" 7'8"8 5'3"8 4'2' 4'2 6'10" 5'11" =5X6 1112X4 =6X6 6'10"3 .9.1 5\*11 M<sup>29</sup> ≡3X8 =3X4(B1) ≡5X5 ≡5X5 3X4(A1) 112X4 7'8"8 20'7"8 5'9' 7'8"8 4'2" 4'2" 6'10" 5'3"8 5'11" 7'8"8 13 17'2 21'4 28'2" 34'1' Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) Wind Std: ASCE 7-10 Non-Gravity 20.00 CAT: NA PP Deflection in loc L/defl L/# TCLL: Pa: NA Ct: NA Loc R+ Speed: 130 mph /Rh /RL /Rw VERT(LL): 0.018 E 999 240 TCDL: 10.00 Pf: NA Ce: NA Enclosure: Closed BCLL: 0.00 Lu: NA Cs: NA VERT(CL): 0.040 I 999 180 B 478 1-1-/288 /96 /192 Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.011 M M 1071 1-1-/665 /177 EXP: C Kzt: NA HORZ(TL): 0.024 M 1-1-1407 /986 /204 1-Des Ld: 40.00 Mean Height: 15.00 ft Wind reactions based on MWFRS Code / Misc Criteria Creep Factor: 2.0 **NCBCLL: 10.00** TCDL: 5.0 psf Brg Width = 4.0 Min Req = 1.5 Blda Code: FBC 2017 RES Max TC CSI: 0.794 Soffit: 2.00 BCDL: 5.0 psf TPI Std: 2014 Load Duration: 1.25 MWFRS Parallel Dist: h/2 to h

# Lumber

Spacing: 24.0 "

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

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

C&C Dist a: 3.41 ft

Wind Duration: 1.60

Loc. from endwall: not in 9.00 ft

GCpi: 0.18

Right cantilever is exposed to wind

Uplifts based on an elevation at or above 1000 ft.

# **Additional Notes**

Refer to General Notes for additional information The overall height of this truss excluding overhang is 6-10-3

Max BC CSI: 0.524

VIEW Ver: 19.02.02B.0122.15

Max Web CSI: 0.331

Min Req = 1.5 Brg Width = 4.0 Brg Width = 4.0 Min Reg = 1.5Bearings B, M, & 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.

D-E 295 -631 G-H 510 -373 E-F 295 -631

F-G

268

-715

# Maximum Bot Chord Forces Per Ply (lbs)

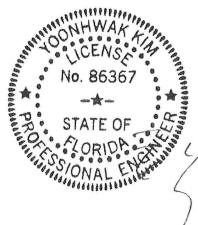
Chords Tens.Comp. Chords Tens. Comp. 510

# Maximum Web Forces Per Ply (lbs)

255 -661

C-D

vveos	rens.c	Jomp.	vvebs	rens.	Comp.	
M-C	269	-892	J - G	868	- 265	
C-L	503	-86	G - I	463	- 1240	



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Rep Fac: Yes

Plate Type(s):

WAVE

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

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SEQN: 591892 HIPS Ply: 1 Job Number: 20-4232 Cust: R 215 JRef: 1WV82150002 T27 FROM: CDM Qty: 1 Svivester Warren-Lot 4 Emerald Cove DrwNo: 134.20.1423.23957 Truss Label: A05 / YK 05/13/2020 7'8"8 9'10"8 15' 19'4" 26 28'2" 34'1" 7'8"8 2'2" 5'1"8 4'4" 6'8" 2'2" 5'11" =5X6 ≥5X5 T2 ≢3X4 D 3'6"1 B2 ■3X4  $\equiv 3X8$ =3X4(B1) ≡6X6 |||2X4 =3X4 =3X4(A1) 7'8"8 20'7"8 7'8"8 5'1"8 6'8" 2'2" 4'4' 5'11" 2'2" 9'10"8 7'8"8 15 19'4 26 28'2 34'1 Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) Wind Std: ASCE 7-10 Non-Gravity 20.00 Ct: NA CAT: NA PP Deflection in loc L/defl L/# TCLL: Pa: NA Speed: 130 mph /Rh /RL /Rw /U VERT(LL): 0.015 Q 999 240 TCDL: 10.00 Pf: NA Ce: NA Enclosure: Closed BCLL: Lu: NA Cs: NA VERT(CL): 0.033 J 999 180 0.00 B 443 1-/242 /31 /218 Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.010 Q Q 1137 1-/732 /62 EXP: C Kzt: NA 1394 /-HORZ(TL): 0.020 Q 1-/996 /70 1-Des Ld: 40.00 Mean Height: 15.00 ft Code / Misc Criteria Creep Factor: 2.0 Wind reactions based on MWFRS **NCBCLL: 10.00** TCDL: 5.0 psf Brg Width = 4.0 Min Req = 1.5 Blda Code: FBC 2017 RES Max TC CSI: 0.298 Soffit: 2.00 BCDL: 5.0 psf Brg Width = 4.0 Min Req = 1.5 TPI Std: 2014 Max BC CSI: 0.531 Load Duration: 1.25 MWFRS Parallel Dist: h to 2h Brg Width = 4.0 Min Req = 1.5 Rep Fac: Yes Max Web CSI: 0.320 Spacing: 24.0 ' C&C Dist a: 3.41 ft Bearings B, Q, & J are a rigid surface FT/RT:20(0)/10(0) Loc. from endwall: not in 9.00 ft Members not listed have forces less than 375# GCpi: 0.18 Plate Type(s): Maximum Top Chord Forces Per Ply (lbs) Wind Duration: 1.60 WAVE VIEW Ver: 19.02.02B.0122.15 Chords Tens.Comp. Chords C-D 174 -445 F-G 269 -747 Top chord: 2x4 SP M-31; T2 2x4 SP #2; Bot chord: 2x4 SP #2; B2 2x4 SP M-31; Webs: 2x4 SP #3; D-E 264 - 678 H - I 521 - 357 E-F 293 - 579 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. Wind loads based on MWFRS with additional C&C N - M 542 359 -379 Right cantilever is exposed to wind 432 -216 M-K Uplifts based on an elevation at or above 1000 ft. Maximum Web Forces Per Ply (lbs) **Additional Notes** Tens.Comp. Webs Tens. Comp. Refer to General Notes for additional information C-O 231 -962 G-K 321 -695 The overall height of this truss excluding overhang is C - O 558 -68 K-J 419 -460 0 - D 102 -467 K-H 735 -160 M-G 465 - 257 J-H 256 -990 FL REG# 278, Yoonhwak Kim, FL PE #86367 05/13/2020

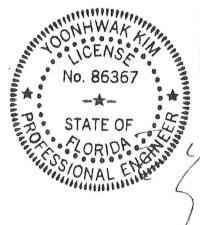
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SEQN: 591895 HIPS Ply: 1 Job Number: 20-4232 Cust: R 215 JRef: 1WV82150002 T28 FROM: CDM Qty: 1 Sylvester Warren-Lot 4 Emerald Cove DrwNo: 134.20.1423.27780 Truss Label: A06 / YK 05/13/2020 3'7"12 3'5"12 ₹5X5 G ≡O 8X8 ≡3X4 =3X4(B1) =3X4(A1) 7'8"8 20'7"8 5'9" -7'8"8 11'8"8 5'11" 7'8"8 21'7' 28'2" Defl/CSI Criteria ▲ Maximum Reactions (lbs) Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Wind Std: ASCE 7-10 Gravity Non-Gravity TCLL: 20.00 Pg: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/# Loc R+ /Rh /Rw / RL Speed: 130 mph / R-/U TCDL: 10.00 Pf: NA VERT(LL): 0.018 R 999 240 Enclosure: Closed BCLL: 0.00 Lu: NA Cs: NA VERT(CL): 0.037 R 999 180 В 437 1-/232 127 /245 Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.011 R 1176 1744 1-EXP: C Kzt: NA HORZ(TL): 0.023 R 1385 1-1-1-/990 /50 Des Ld: 40.00 Mean Height: 15.00 ft Wind reactions based on MWFRS Code / Misc Criteria Creep Factor: 2.0 NCBCLL: 10.00 TCDL: 5.0 psf Brg Width = 4.0 Min Req = 1.5 Bldg Code: FBC 2017 RES Max TC CSI: 0.610 2.00 Soffit: BCDL: 5.0 psf Brg Width = 4.0 Min Req = 1.5 TPI Std: 2014 Max BC CSI: 0.551 Load Duration: 1.25 MWFRS Parallel Dist: h to 2h Min Req = 1.5 Brg Width = 4.0 Rep Fac: Yes Max Web CSI: 0.393 Spacing: 24.0 " C&C Dist a: 3.41 ft Bearings B, R, & K are a rigid surface. Loc. from endwall: not in 9.00 ft FT/RT:20(0)/10(0) Members not listed have forces less than 375# GCpi: 0.18 Plate Type(s): Maximum Top Chord Forces Per Ply (Ibs) WAVE Wind Duration: 1.60 VIEW Ver: 19.02.02B.0122.15 Chords Tens.Comp. Chords Tens. Comp. Lumber E-F 248 - 600 Top chord: 2x4 SP #2; F-G 231 -611 517 -354 Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. Wind loads based on MWFRS with additional C&C P - 0 499 - 103 N-I 451 - 236 member design. 0 - N 572 -64 K-J 358 -377 Right cantilever is exposed to wind Uplifts based on an elevation at or above 1000 ft. Maximum Web Forces Per Ply (lbs) Additional Notes Refer to General Notes for additional information The overall height of this truss excluding overhang is



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***	10113.0	Joinp.	VVCDS	Tella.	comp.
C-R	208	- 957	H-L	277	- 663
C-P	535	-35	L-K	410	-462
P - E	94	-428	L-1	653	-82
N - H	538	-249	K - I	223	-975

05/13/2020

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SPEC Ply: 1 SEON: 591898 Job Number: 20-4232 Cust: R 215 JRef: 1WV82150002 T29 FROM: CDM Qty: 1 Sylvester Warren-Lot 4 Emerald Cove DrwNo: 134.20.1423.29257 Truss Label: A07 / YK 05/13/2020 7'8"8 9'10"8 13'6"4 17'2" 34'1" 7'8"8 2'2" 3'7"12 3'7"12 4'5' 5'11' 3X4 ₹3X4 H =0 €X8 ≡3X4 5'11 ≡6X6 |||2X4 =3X4(B1) =3X4(A1) 7'8"8 20'7"8 5'9" 7'8"8 2'2" 7'3"8 4'5" 4'5' 2'2" 5'11" 7'8"8 17'2 21'7 28'2 34'1" Wind Criteria Loading Criteria (psf) Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) Wind Std: ASCE 7-10 Gravity Non-Gravity TCI I · 20.00 Ct: NA CAT: NA PP Deflection in loc L/defl L/# Pg: NA Speed: 130 mph Loc R+ /RL /Rw /U TCDL: 10.00 Pf: NA Ce: NA VERT(LL): 0.018 R 999 240 Enclosure: Closed BCLL: 0.00 Lu: NA Cs: NA VERT(CL): 0.036 R 999 180 В 435 1-/230 127 /246 Risk Category: II HORZ(LL): 0.011 R BCDL: 10.00 Snow Duration: NA R 1179 1-1-1745 /58 /-EXP: C Kzt: NA HORZ(TL): 0.023 R 1384 /-1-/989 /51 1-Des Ld: 40.00 Mean Height: 15.00 ft Wind reactions based on MWFRS Code / Misc Criteria Creep Factor: 2.0 NCBCLL: 10.00 TCDL: 5.0 psf Brg Width = 4.0 Min Req = 1.5 Bldg Code: FBC 2017 RES Max TC CSI: 0.620 Soffit: 2.00 BCDL: 5.0 psf Brg Width = 4.0 Min Reg = 1.5 TPI Std: 2014 Max BC CSI: 0.549 Load Duration: 1.25 MWFRS Parallel Dist: h to 2h Brg Width = 4.0 Min Req = 1.5 Rep Fac: Yes Max Web CSI: 0.398 Spacing: 24.0 " C&C Dist a: 3.41 ft Bearings B, R, & K are a rigid surface. FT/RT:20(0)/10(0) Loc. from endwall: not in 9.00 ft Members not listed have forces less than 375# Plate Type(s): GCpi: 0.18 Maximum Top Chord Forces Per Ply (lbs) Wind Duration: 1.60 WAVE VIEW Ver: 19.02.02B.0122.15 Chords Tens.Comp. Chords Tens. Comp. Lumber F-F 251 - 598 G-H 222 -691 Top chord: 2x4 SP #2; F-G 234 - 610 1 - J517 -354 Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. Wind loads based on MWFRS with additional C&C P - 0 497 - 104 N-L 449 - 236 member design. 0 - N 571 -65 K-J 358 -377 Right cantilever is exposed to wind Uplifts based on an elevation at or above 1000 ft. Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. Additional Notes C-R 212 -960 -662 Refer to General Notes for additional information C-P P-E 531 -35 L-K 410 -462 The overall height of this truss excluding overhang is 99 -433 L-1 652 -84 537 - 250 224 -974

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SEQN: 591951 COMN Ply: 1 Job Number: 20-4232 Cust: R 215 JRef: 1WV82150002 T15 Sylvester Warren-Lot 4 Emerald Cove FROM: CDM Qty: 5 DrwNo: 134.20.1423.31290 Truss Label: A08 / YK 05/13/2020 7'3"8 =5X5 \_0 ≡6X8 N ≡3X4 K P9 ≡3X4 =3X4(A1) 7'8"8 20'5"8 6'2" 7'8"8 7'3"8 4'5" 7'8"8 9'10"8 17'2" 21'7' 26' 28'2' 34'4 Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) Non-Gravity Gravity Pg: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/# / Rw Loc R+ Pf: NA Ce: NA VERT(LL): 0.019 R 999 240 VERT(CL): 0.037 R 999 180 Lu: NA Cs: NA HORZ(LL): 0.012 R

Loading Criteria (psf)	Wind Criteria
TCLL: 20.00	Wind Std: ASCE 7-10
TCDL: 10.00	Speed: 130 mph
BCLL: 0.00	Enclosure: Closed
BCDL: 10.00	Risk Category: II
Des Ld: 40.00	EXP: C Kzt: NA
man man heren	Mean Height: 15.00 ft
NCBCLL: 10.00	TCDL: 5.0 psf
Soffit: 2.00	BCDL: 5.0 psf
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h
Spacing: 24.0 "	C&C Dist a: 3.43 ft
	Loc. from endwall: not in 9.00 ft
	GCpi: 0.18
	Wind Duration: 1.60

# Snow Duration: NA

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

HORZ(TL): 0.024 R Creep Factor: 2.0 Max TC CSI: 0.658 Max BC CSI: 0.552 Max Web CSI: 0.320

# VIEW Ver: 19.02.02B.0122.15

)	LOC	IXT	117-	/ KII	/ KW	7 U	/ KL
)	В	433	1-	/-	/221	/38	/263
	R	1172	<i>J-</i>	/-	/761	/28	1-
	K	1196	/-	1-	/712	/13	1-
	1	330	/-	/-	/218	144	1-
	Win	nd read	tions b	ased on	MWFRS		
	В	Brg V	Vidth =	4.0	Min Re	q = 1.	5
	R	Brg V	Vidth =	4.0	Min Re	q = 1.	5
	K	Brg V	Vidth =	4.0	Min Re	q = 1.	5
	t .	Brg V	Vidth =	4.0	Min Re	q = 1.	5
	Bea	rings l	B, R, K,	& I are a	a rigid sur		
					orces less		375#
					rces Per		

Chords Tens.Comp. Chords Tens. Comp.

C-D	179	- 409	E-F	263	-625
D - E	244	- 680	F-G	235	- 706

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

0 - N 582 - 12

# Maximum Web Forces Per Ply (Ibs)

vveus	rens.c	omp.	webs	rens. Comp.			
C-R	190	- 960	G-L	119	- 563		
C-P	662	- 58	L-H	658	-60		
P - D	112	- 566	K - H	190	- 945		

# Lumber

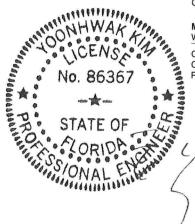
Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

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

Uplifts based on an elevation at or above 1000 ft.

# Additional Notes

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



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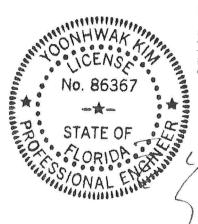
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SEQN: 591954 COMN Ply: 1 Job Number: 20-4232 Cust: R 215 JRef: 1WV82150002 T16 FROM: CDM Qty: 1 Sylvester Warren-Lot 4 Emerald Cove DrwNo: 134.20.1423.43187 Truss Label: A09 / YK 05/13/2020 7'8"8 12'5"4 17'2" 22'8' 28'2" 34'4" 7'8"8 4'8"12 4'8"12 5'6" =5<u>X</u>5 ₹5<u>X</u>5 **∌3X4** C =3X4(A1) P¶<sub>N</sub> |||2X4 ا† 112X4 M ≡5X5 ≡3X8 ≡5X5 =3X4(A1) 7'8"8 20'5"8 7'8"8 4'8"12 4'8"12 5'6" 5'6' 6'2" 7'8"8 12'5"4 17'2' 22'8' 28'2 34'4' Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) Wind Std: ASCE 7-10 TCLL: 20.00 Gravity Non-Gravity Pa: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/# Speed: 130 mph Loc R+ /Rw 1U / RL TCDL: 10.00 Pf: NA Ce: NA VERT(LL): 0.018 N 999 240 Enclosure: Closed BCLL: 0.00 Lu: NA Cs: NA VERT(CL): 0.038 N 999 180 В 478 /272 /25 /263 Risk Category: II HORZ(LL): 0.011 N BCDL: 10.00 Snow Duration: NA N 1102 /-/703 /-EXP: C Kzt: NA 40.00 HORZ(TL): 0.024 N J 1111 1-1-/663 /16 1-Des Ld: Mean Height: 15.00 ft Code / Misc Criteria Creep Factor: 2.0 380 1-1-/259 /34 NCBCLL: 10.00 TCDL: 5.0 psf Wind reactions based on MWFRS Blda Code: FBC 2017 RES Max TC CSI: 0.604 Soffit: 2.00 BCDL: 5.0 psf Brg Width = 4.0 Min Req = 1.5 TPI Std: 2014 Max BC CSI: 0.509 Load Duration: 1.25 MWFRS Parallel Dist: h to 2h Brg Width = 4.0 Min Req = 1.5 Rep Fac: Yes Max Web CSI: 0.308 Spacing: 24.0 ' C&C Dist a: 3.43 ft Brg Width = 4.0 Min Req = 1.5 FT/RT:20(0)/10(0) Loc. from endwall: not in 9.00 ft Brg Width = 4.0 Min Reg = 1.5 GCpi: 0.18 Plate Type(s): Bearings B, N, J, & H are a rigid surface. Wind Duration: 1.60 WAVE VIEW Ver: 19.02.02B.0122.15 Members not listed have forces less than 375# Lumber Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2: C-D 233 - 658 E-F 278 Webs: 2x4 SP #3; D-E 272 -644 F-G 239 -743 Maximum Bot Chord Forces Per Ply (lbs) Wind loads based on MWFRS with additional C&C Chords Tens.Comp. Chords Tens. Comp. Uplifts based on an elevation at or above 1000 ft. 520 M-L -83 L-K 600 -34

# **Additional Notes**

Refer to General Notes for additional information The overall height of this truss excluding overhang is 8-11-3



Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. 240 - 924 -89 C-M 559 -58 G-J 241 - 968

FL REG# 278, Yoonhwak Kim, FL PE #86367 05/13/2020

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SEQN: 591948 SPEC Ply: 1 Job Number: 20-4232 Cust: R 215 JRef: 1WV82150002 T20 FROM: CDM Qty: 3 Sylvester Warren-Lot 4 Emerald Cove DrwNo: 134.20.1423.45350 Truss Label: B01 / YK 05/13/2020 11'7"8 17'2" 5'6\*8 3,4,3 ≡5X5 K ≡3X4 =5X6 ≡3X4 6'1" 5'6"8

		7.5	70			****						204				
ding Criteria (psf)	(psf) Wind Criteria	Sno	now Cri	i <b>teria</b> (Pg	,Pf in PSF)	Defl/CSI Cri	teria			▲ N	aximu	ım Rea	ctions	(lbs)		
ding Criteria (psr) LL: 20.00 DL: 10.00 LL: 0.00 DL: 10.00 Ld: 40.00 BCLL: 10.00 it: 2.00 d Duration: 1.25 cing: 24.0 "	Wind Std: ASCE: Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 TCDL: 5.0 psf BCDL: 5.0 psf	7-10 Pg: Pf: Lu: Snc Oft Cod iist: h to 2h Rep not in 9.00 ft Plat	p: NA : NA : NA dow Dur dd Code PI Std: 2 ep Fac: '	Ct: NA  Cs: NA ration: NA isc Crite e: FBC 2 2014 Yes (0)/10(0)	CAT: NA Ce: NA A ria 017 RES	the second second	n in loc 0.072 K 0.147 K 0.027 H 0.054 H r: 2.0 0.396 0.538 0.538	999 999 1 - 1 - 8 9	240 180 - -	Loc B H Win B H Bea Mer	R+ 1276 1158 d read Brg W Brg W rings I nbers cimum rds T	/R- /- /- tions backlidth = // // At H a not liste	/ Rh /- /- assed on 4.0 4.0 are a rigical have chord Fo		/38 /22 eq = 1.5 eq = 1.5 s than 3	/RL /213 /- 55 375# s) Comp.
nber	Willia Baradon, 1.0	o WA	NVL.			VIEW Vel. I	9.02.021	D.0122	. 10	C-	D	391 -	1620	F-G	286	
iber	. 40.									D - I				2 - 1112		

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

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

Right end vertical not exposed to wind pressure. Uplifts based on an elevation at or above 1000 ft.

# **Additional Notes**

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



# Maximum Bot Chord Forces Per Ply (lbs)

Chords B - L	Tens.C	Comp.	Chords	Tens. Comp.			
B-L	1795	-413	K-J	1367	- 293		
L-K	1792	-413	J - I	932	- 196		

# Maximum Web Forces Per Ply (lbs)

vveus	rens.c	Jonip.	vvebs	rens. Comp.		
C-K	137	- 477	F-I	124	- 385	
K-D	408	-51	1 - G	1036	-212	
D - J	200	-651	G-H	297	-1111	
E-J	599	- 170				

FL REG# 278, Yoonhwak Kim, FL PE #86367 05/13/2020

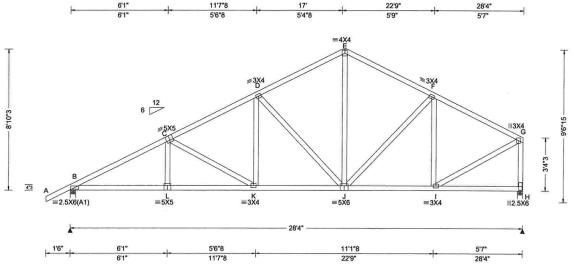
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SEQN: 591945 HIPS Ply: 1 Job Number: 20-4232 Cust: R 215 JRef: 1WV82150002 T7 FROM: CDM Qty: 1 Sylvester Warren-Lot 4 Emerald Cove DrwNo: 134.20.1423.47270 Truss Label: B02 / YK 05/13/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.072 K 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.147 K 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.027 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: 3.00 ft Loc. from endwall: not in 9.00 ft	Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0)	HORZ(TL): 0.054 H Creep Factor: 2.0  Max TC CSI: 0.398  Max BC CSI: 0.539  Max Web CSI: 0.805
	GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): WAVE	VIEW Ver: 19.02.02B.0122.15

		▲ M	axim	um Rea	ctions	(lbs)		
L/defl	1./#		C	Bravity		N	on-Gra	vity
999	240	Loc	R+	/ R-	/Rh	/Rw	/U	/ RL
999	180	В	1276	/-	1-	/787	/37	/212
-		Н	1158	1-	1-	/619	/20	1-
		Win	d read	ctions b	ased on	<b>MWFRS</b>	-	200
		В	Brg V	Vidth =	4.0	Min Re	eq = 1.5	5
		Н	Brg V	Vidth =	4.0	Min Re	eq = 1.5	5
		Bea	rings	В&На	re a rigi	d surface.		
		Men	nbers	not liste	ed have	forces les	s than :	375#
	Maximum Top Chord Forces Per Ply (lbs)						s)	
						Chords		
.0122.	15	B - 0	0	425 -	2085	E-F	353	- 1116
.0 122.	10	C-1	)	388 -	1621	F-G	283	- 1092

# Lumber

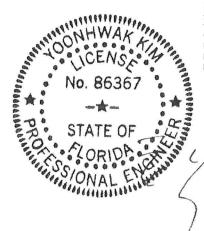
Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

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

Right end vertical not exposed to wind pressure. Uplifts based on an elevation at or above 1000 ft.

# **Additional Notes**

Refer to General Notes for additional information The overall height of this truss excluding overhang is 8-10-3



D-E

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	Comp. Chords		Tens. Comp.		
3 - L	1793	-409	K-J	1368	- 291	
K	1790	-409	J - I	932	- 193	

Maximum Web Forces Per Ply (lbs)

338 - 1112

vvens	16115.0	Jonip.	vveus	Tens.	Comp.
C-K	135	- 474	F-I	123	- 385
K - D	407	- 50	I - G	1037	- 208
D-J	203	-653	G-H	294	-1111
E-J	601	- 173			

FL REG# 278, Yoonhwak Kim, FL PE #86367 05/13/2020

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SEQN: 591942 HIPS Ply: 1 Job Number: 20-4232 Cust: R 215 JRef: 1WV82150002 T32 FROM: CDM Qty: 1 Sylvester Warren-Lot 4 Emerald Cove DrwNo: 134.20.1423.48973 Truss Label: B03 / YK 05/13/2020 5'3"12 10'2"12 23'10" 28'4" 5'3"12 4'9"4 ≡4X6 F =4<u>X</u>4 **≢3X4** D 6 12 8'6"15 3'4"3 N II2X4 M ≡3X4 ≡3X8 =5X5 ≡3X4 =3X5(A1) 28'4" 5'3"12 4'11" 4'9"4 4'4" 5'3"12 10'2"12 19'4" 23'10'

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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	

▲ M		ım Rea	ctions			
	G	ravity		N	Ion-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/RL
В	1276	/-	/-	/789	/68	/185
1	1158	1-	1-	/619	/25	/-
Win	d read	tions b	ased or	MWFRS		
В	Brg V	Vidth =	4.0	Min Re	ea = 1.5	5
ĺ		vidth =			ea = 1.5	
Bea	rings I	3 & I an	e a rigio	surface.		
				forces les	s than	375#
				orces Per		
				Chords		
B - (	0	476 -2	2109	E-F	359	- 959
C - I	D C	450 -	1725	F-G	378	- 1135
n - 1	=	406 -	1280	G-H	283	003

# Lumber

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

(a) Continuous lateral restraint equally spaced on member.

# Wind

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

Right end vertical not exposed to wind pressure. Uplifts based on an elevation at or above 1000 ft.

# **Additional Notes**

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



# Maximum Bot Chord Forces Per Ply (lbs)

Choras	rens.c	omp.	Chords	Tens.	Comp.
B - N	1821	-460	L-K	1090	- 245
N - M	1819	-461	K-J	861	- 206
M - L	1471	- 364			

# Maximum Web Forces Per Ply (lbs)

16115.0	omp.	AAGDS	rens. Comp.		
110	- 387	G-J	155	- 483	
177	- 569	J - H	1016	- 239	
509	- 116	H - I	318	- 1121	
	110 177	110 -387 177 -569 509 -116	110 -387 G-J 177 -569 J-H	110 -387 G-J 155 177 -569 J-H 1016	

FL REG# 278, Yoonhwak Kim, FL PE #86367 05/13/2020

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Alpine, a division of ITW Building Components Group has a bell and because the section of the section o

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SEON: 591937 HIPS Job Number: 20-4232 Ply: 1 Cust: R 215 JRef: 1WV82150002 T21 FROM: CDM Qty: 1 Sylvester Warren-Lot 4 Emerald Cove DrwNo: 134.20.1423.50523 Truss Label: B04 / YK 05/13/2020 6'9"4 13 28'4" 6'2"12 =5X6 ∥2X4 3'4"3 4\*3  $\equiv 2.5X6(A1)$ II2X4 =3X4 =5X5 17 G 112.5X6 =3X8 28'4" 6'9"4 6'2"12 4'2' 4'2" 6'9"4 13 17'2' 21'4" 28'4 ▲ Maximum Reactions (Ibs) Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria Wind Std: ASCE 7-10 Speed: 130 mph Non-Gravity TCLL: 20.00 Pg: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/# Gravity Loc R+ /Rh /Rw /RL /R-TCDL: 10.00 Pf: NA Ce: NA VERT(LL): 0.067 K 999 240 /U Enclosure: Closed BCLL: 0.00 VERT(CL): 0.138 K Lu: NA Cs: NA 999 180 1172 /-/-/702 /199 /146 Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.025 G 1162 /-/616 /209 EXP: C Kzt: NA HORZ(TL): 0.052 G Des Ld: 40.00 Wind reactions based on MWFRS Mean Height: 15.00 ft Brg Width = -Code / Misc Criteria Min Reg = Creep Factor: 2.0 NCBCLL: 10.00 TCDL: 5.0 psf Brg Width = 4.0 Min Reg = 1.5 Bldg Code: FBC 2017 RES Max TC CSI: 0.786 Soffit: 2.00 BCDL: 5.0 psf Bearing G is a rigid surface. TPI Std: 2014 Max BC CSI: Load Duration: 1.25 0.650 MWFRS Parallel Dist: h/2 to h Members not listed have forces less than 375# Rep Fac: Yes Max Web CSI: 0.609 Spacing: 24.0 " C&C Dist a: 3.00 ft Maximum Top Chord Forces Per Ply (lbs) FT/RT:20(0)/10(0) Loc. from endwall: not in 9.00 ft Chords Tens.Comp. Chords Tens. Comp. GCpi: 0.18 Plate Type(s): 508 - 2099 Wind Duration: 1.60 WAVE VIEW Ver: 19.02.02B.0122.15 417 - 1204 B-C 441 - 1512 E-F 349 - 1184 Lumber C-D 417 - 1203 Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. Hangers / Ties A - K 1806 - 480 1268 -314 (J) Hanger Support Required, by others K - .1 1802 -480 I-H 980 -233 Wind Maximum Web Forces Per Ply (lbs) Wind loads based on MWFRS with additional C&C Webs Tens.Comp. Webs Tens. Comp. member design. -613 1041 -243

Right end vertical not exposed to wind pressure. Uplifts based on an elevation at or above 1000 ft.

# Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 6-10-3.



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443 -76

415 - 108

F-G

334 - 1100 SEQN: 591934 HIPM Ply: 1 Job Number: 20-4232 Cust: R 215 JRef: 1WV82150002 T19 FROM: CDM Qty: 1 Sylvester Warren-Lot 4 Emerald Cove DrwNo: 134.20.1423.52110 Truss Label: B05 / YK 05/13/2020 5'9"4 16'9"15 22'6"1 28'4" 5'9"4 5'2"12 5'9"15 5'8"3 5'9"15 ≡5X6 C =3X4 =5X5 =4X4 5'10"3 4\*3 =2.5X6(A1) K ≡5X5 ≡3X4 H ≡4X10 1<sup>™</sup> G 112.5X6 =5X5 28'4" 5'9"4 5'2"12 5'9"15 5'8"3 5'9"15 5'9"4 11 16'9"15 22'6"1 28'4 Defl/CSI Criteria Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) ▲ Maximum Reactions (lbs) Wind Std: ASCE 7-10 TCLL: 20.00 Pg: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/# Speed: 130 mph TCDL: 10.00 Pf: NA Ce: NA Enclosure: Closed Cs: NA BCLL: 0.00 Lu: NA V Risk Category: II BCDL: 10.00 Snow Duration: NA H EXP: C Kzt: NA Des Ld: 40.00 Mean Height: 15.00 ft

# Lumber

Soffit:

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

NCBCLL: 10.00

Spacing: 24.0 "

Load Duration: 1.25

2.00

(J) Hanger Support Required, by others

# Wind

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

TCDL: 5.0 psf

BCDL: 5.0 psf

C&C Dist a: 3.00 ft

MWFRS Parallel Dist: h/2 to h

Loc. from endwall: not in 9.00 ft

GCpi: 0.18 Wind Duration: 1.60

Right end vertical not exposed to wind pressure. Uplifts based on an elevation at or above 1000 ft.

# **Additional Notes**

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

# H C Bldg Code: FBC 2017 RES M Ma M

VERT(LL): 0.076 J	999 24	40 Loc
VERT(CL): 0.156 J		80 A
HORZ(LL): 0.029 H	2	- G
HORZ(TL): 0.059 H	40	- Wine
Creep Factor: 2.0 Max TC CSI: 0.452 Max BC CSI: 0.582 Max Web CSI: 0.743		A G Bear Mem Max Choi
VIEW Ver: 19.02.02B.0	122.15	A - E

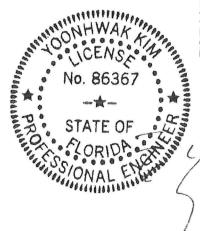
	G	ravity		N	Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
Α	1172	/-	1-	/708	/191	/157		
G	1162	1-	1-	/612	/230	/-		
Win	d read	ctions b	ased or	<b>MWFRS</b>				
Α	Brg V	Vidth =		Min Re	eq = -			
G	Brg V	Vidth =	4.0	Min Re	eq = 1.5	5		
Bea	ring G	is a rig	id surfa	ice.	16			
Mer	nbers	not liste	ed have	forces les	s than :	375#		
Max	imum	Top C	hord F	orces Per	Ply (lb	s)		
Cho	rds T	ens.Co	mp.	Chords	Tens.	Comp.		
A - E	3	494 -	2135	D-E	283	- 1013		
B - 0	2	441 -	1675	E-F	283	- 1013		
C - I	)	415 -	1459					

# Maximum Bot Chord Forces Per Ply (lbs)

Chorus	Tens.C	omp.	Chords	rens. Comp.		
A - K	1846	-572	J - I	1433	-437	
K-J	1843	- 572	I - H	1455	-415	

# Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens. Comp.	
B-J	160	-472	H-F	1400	- 391
C - J	399	-61	E-H	159	- 392
D - H	187	- 626	F-G	341	-1114



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Code / Misc Criteria

TPI Std: 2014

Rep Fac: Yes

WAVE

FT/RT:20(0)/10(0) Plate Type(s):

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SEON: 591931 HIPM Ply: 1 Job Number: 20-4232 Cust: R 215 JRef: 1WV82150002 T18 FROM: CDM Qty: 1 Sylvester Warren-Lot 4 Emerald Cove DrwNo: 134.20.1423.54053 Truss Label: B06 / YK 05/13/2020 4'9"4 15'5"15 21'10"1 28'4" 4'9"4 4'2"12 6'5"15 6'4"3 6'5"15 ≡4X8 =3X4 =5<u>X</u>5 =4X5 **∌3X4** 4\*3 =3X5(A1) K ∥2X4 ≡3X4 =5X5 =4X10 11 G 11 2.5X6 28'4" 4'9"4 4'2"12 6'5"15 6'4"3 6'5"15 4'9"4 15'5"15 21'10"1 9 28'4" Loading Criteria (psf) Snow Criteria (Pg,Pf in PSF) | Defi/CSI Criteria ▲ Maximum Reactions (lbs) Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph Non-Gravity TCLL: 20.00 Pg: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/# Gravity Loc R+ /Rh / R-/RL TCDL: 10.00 Pf: NA Ce: NA VERT(LL): 0.092 I 999 240 /Rw / U Enclosure: Closed VERT(CL): 0.189 I 999 180 BCLL: 0.00 Lu: NA Cs: NA 1172 /-1-/690 /197 /128 Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.030 H 1162 /-1-/601 /226 1-EXP: C Kzt: NA HORZ(TL): 0.062 H Wind reactions based on MWFRS Des Ld: 40.00 Mean Height: 15.00 ft Brg Width = -Code / Misc Criteria Creep Factor: 2.0 Min Rea = NCBCLL: 10.00 TCDL: 5.0 psf Brg Width = 4.0 Min Req = 1.5 Bldg Code: FBC 2017 RES Max TC CSI: 0.686 Soffit: 2.00 BCDL: 5.0 psf Bearing G is a rigid surface. TPI Std: 2014 Max BC CSI: 0.724 Load Duration: 1.25 MWFRS Parallel Dist: h/2 to h Members not listed have forces less than 375# Rep Fac: Yes Max Web CSI: 0.700 Spacing: 24.0 " C&C Dist a: 3.00 ft Maximum Top Chord Forces Per Ply (lbs) Loc. from endwall: not in 9.00 ft FT/RT:20(0)/10(0) Chords Tens.Comp. Chords Tens. Comp. GCpi: 0.18 Plate Type(s):

# Lumber

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

# Hangers / Ties

(J) Hanger Support Required, by others

# Wind

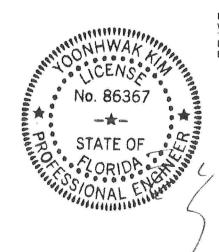
Wind loads based on MWFRS with additional C&C

Wind Duration: 1.60

Right end vertical not exposed to wind pressure. Uplifts based on an elevation at or above 1000 ft.

# **Additional Notes**

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



### 529 - 2162 D-E 367 - 1345 494 - 1837 E-F 367 - 1345 C-D 510 - 1833

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.	
4 - K	1877	- 582	J-I	1599	- 480
< - J	1875	- 582	I-H	1836	-513

# Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens. Comp.	
D-H	183	-609	H-F	1643	- 448
E-H	175	-438	F-G	336	- 1109

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WAVE

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Alpine, a division of ITW Building Components Group has about the calculations.

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SPEC Ply: 1 SEON: 591928 Job Number: 20-4232 Cust: R 215 JRef: 1WV82150002 T6 FROM: CDM Qty: 1 Sylvester Warren-Lot 4 Emerald Cove DrwNo: 134.20.1424.02400 Truss Label: B07 / YK 05/13/2020 6'4" 12'4' 17'6"4 22'10"4 28'4" 6'4" 5'4' 5'2"4 5'4 5'5"12 ≡6X6 ≡8X16(\*\*)C B =3X4 =7<u>X</u>6 =5<u>X</u>6 ≡6X8 G T3 TA 1112X4 (a) W2 W11 3'10"3 3,6,3 M L |||2X4 |||3X4 =8X8 ≡5X10 =8X10 1114X8 28'4" 6'4" 5'4" 5'2"4 5'4" 5'5"12 6'4 12'4" 17'6"4 22'10"4 28'4" Defl/CSI Criteria Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) ▲ Maximum Reactions (Ibs) Wind Std: ASCE 7-10 Gravity Non-Gravity TCLL: 20.00 Ct: NA CAT: NA PP Deflection in loc L/defl L/# Pg: NA Speed: 130 mph Loc R+ /Rw /U /RL TCDL: 10.00 Pf: NA Ce: NA VERT(LL): 0.204 D 999 240 Enclosure: Closed BCLL: 0.00 Lu: NA Cs: NA VERT(CL): 0.405 D 839 180 N 2836 /-1-/647 Risk Category: II HORZ(LL): 0.043 A BCDL: 10.00 Snow Duration: NA н 2827 /-1-/603 EXP: C Kzt: NA HORZ(TL): 0.085 A Wind reactions based on MWFRS Des Ld: 40.00 Mean Height: 15.00 ft Min Req = -Brg Width = -Code / Misc Criteria Creep Factor: 2.0 **NCBCLL: 10.00** TCDL: 5.0 psf Brg Width = 4.0 Min Req = 2.3 Bldg Code: FBC 2017 RES Max TC CSI: 0.794 Soffit: 2.00 BCDL: 5.0 psf Bearing H is a rigid surface. TPI Std: 2014 Max BC CSI: 0.536 Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 Members not listed have forces less than 375# Rep Fac: Varies by Ld Case Max Web CSI: 0.937 Spacing: 24.0 " C&C Dist a: 3.00 ft Maximum Top Chord Forces Per Ply (lbs) FT/RT:20(0)/10(0) Loc. from endwall: not in 4.50 ft

# Lumber

Top chord: 2x4 SP #2; T3,T4 2x6 SP 2400f-2.0E; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W2 2x4 SP #2; W11 2x4 SP M-31;

GCpi: 0.18

Wind Duration: 1.60

(a) Continuous lateral restraint equally spaced on member.

# Special Loads

(Lumber	Dur.Fac.=1.	25 / Plate [	Dur.Fac.=1.	25)
TC: From	60 plf at	0.00 to	60 plf at	0.33
TC: From	62 plf at	0.33 to	62 plf at	7.00
TC: From	31 plf at	7.00 to	31 plf at	28.33
BC: From	10 plf at	0.00 to	10 plf at	28.33
TC: 187 lb	Conc. Load	at 7.94, 9.	94,11.94,13	3.94
15.94,17.17,	18.40,20.40,2	22.40,24.40	,26.40	
BC: 268 lb	Conc. Load	at 1.94, 3.	94, 5.94	
BC: 129 lb	Conc. Load	at 7.94, 9.	94,11.94,13	3.94
15.94.17.17.	18.40.20.40.2	22.40.24.40	0.26.40	

# **Plating Notes**

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

# Hangers / Ties

(J) Hanger Support Required, by others

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

# WAVE Wind

Plate Type(s):

Wind loads and reactions based on MWFRS. End verticals not exposed to wind pressure. Uplifts based on an elevation at or above 1000 ft.

# **Additional Notes**

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



# Chords Tens.Comp. Chords Tens. Comp. B-C 1103 - 5051 E-F 1310 -6103 C-D 1341 - 6198 F-G 840 - 3938 D-E 1310 - 6103

# Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens.	Comp.
N - M	4730 - 1040	K-J	6251	- 1361
M - L	4716 - 1037	J - I	4115	-889
L-K	4695 - 1035			

# Maximum Web Forces Per Ply (lbs)

vvebs	rens.c	Jomp.	vvebs	Tens.	Comp.
N-B	1148	- 5240	E-J	272	-715
M - B	406	- 56	J - F	2374	- 503
L-C	516	-49	F-1	568	- 2068
C-K	1864	- 365	1 - G	4656	- 993
K-D	247	-671	G-H	612	-2710

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6750 Forum Drive Suite 305 Orlando FL, 32821

SEQN: 591919 GABL Ply: 1 Job Number: 20-4232 Cust: R 215 JRef: 1WV82150002 T4 FROM: CDM Qty: 1 Sylvester Warren-Lot 4 Emerald Cove DrwNo: 134,20,1424,05947 Truss Label: C01 / YK 05/13/2020 11'3"8 20'8"9 (TYP) SC1 ≥3X 227 (NNL) (NNL) Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs), or \*=PLF Wind Std: ASCE 7-10 TCLL: 20.00 Gravity Non-Gravity Pg: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/# Loc R+ /Rw Speed: 130 mph /Rh /RL / R-/U TCDL: 10.00 Pf: NA Ce: NA VERT(LL): 0.003 M 999 240 Enclosure: Closed BCLL: 0.00 Lu: NA Cs: NA VERT(CL): 0.008 C 999 180 532 /340 /81 /76 Risk Category: II BCDL: 10.00 HORZ(LL): 0.001 C Snow Duration: NA N\* 149 174 /-EXP: C Kzt: NA HORZ(TL): 0.002 C Des Ld: 40.00 Wind reactions based on MWFRS Mean Height: 15.00 ft Brg Width = 4.0 Code / Misc Criteria Min Req = 1.5 Creep Factor: 2.0 **NCBCLL: 10.00** TCDL: 5.0 psf Brg Width = 266 Max TC CSI: 0.468 Min Reg = 2.00 Bldg Code: FBC 2017 RES Soffit: BCDL: 5.0 psf Bearings Y & B are a rigid surface. TPI Std: 2014 Max BC CSI: 0.069 Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 Members not listed have forces less than 375# Rep Fac: Varies by Ld Case Max Web CSI: 0.070 Spacing: 24.0 " C&C Dist a: 3.00 ft

# 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.

# Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 2.30 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Loc. from endwall: Any

Wind Duration: 1.60

GCpi: 0.18

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

# Wind

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

Uplifts based on an elevation at or above 1000 ft.

# **Additional Notes**

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

Plate Type(s):

WAVE

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

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

oc. Center plate on stacked/dropped chord interface, plate length perpendicular of Engre length perpendicular of Engre length Splice top chord in notchable area using syle. The overall height of this true Secluding overnage 5-8-0.

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VIEW Ver: 19.02.02B.0122.15

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Maximum Top Chord Forces Per Ply (lbs)

Chords Tens.Comp.

404 - 189

B-C

SEON: 591922 COMN Ply: 1 Job Number: 20-4232 Cust: R 215 JRef: 1WV82150002 T3 FROM: CDM Qty: 7 Sylvester Warren-Lot 4 Emerald Cove DrwNo: 134.20.1424.07507 Truss Label: C02 / YK 05/13/2020 5'11" 11'3"8 16'8" 5'11' 5'4"8 5'4"8 4\*3 H ≡3X4 =5X5 =3X4(A1) =3X4(A1) 7'8"8 7'2" 7'8"8 + 1'6" -7'8"8 14'10"8 22'7" Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) Wind Std: ASCE 7-10 20.00 Gravity Non-Gravity TCLL: Pg: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/# Speed: 130 mph Loc R+ / R-/Rh /Rw /U /RL TCDL: 10.00 Pf: NA Ce: NA VERT(LL): 0.059 H 999 240 Enclosure: Closed BCLL: 0.00 Lu: NA Cs: NA VERT(CL): 0.115 H 999 180 В 1073 /-/620 /184 /181 Risk Category: II BCDL: 10.00 HORZ(LL): 0.023 H Snow Duration: NA 1073 /-/620 /184 EXP: C Kzt: NA HORZ(TL): 0.045 H Wind reactions based on MWFRS Des Ld: 40.00 Mean Height: 15.00 ft Brg Width = 4.0 Code / Misc Criteria Min Req = 1.5 Creep Factor: 2.0 **NCBCLL: 10.00** TCDL: 5.0 psf Brg Width = 4.0 Bldg Code: FBC 2017 RES Max TC CSI: 0.298 Min Reg = 1.5 Soffit: 2.00 BCDL: 5.0 psf Bearings B & F are a rigid surface. TPI Std: 2014 Max BC CSI: 0.678 Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 Members not listed have forces less than 375# Rep Fac: Yes Max Web CSI: 0.207 Spacing: 24.0 " C&C Dist a: 3.00 ft Maximum Top Chord Forces Per Ply (lbs) FT/RT:20(0)/10(0) Loc. from endwall: Any Chords Tens.Comp. Chords Tens. Comp. Plate Type(s): GCpi: 0.18 B-C 678 - 1658 Wind Duration: 1.60 WAVE VIEW Ver: 19.02.02B.0122.15 684 - 1480 678 - 1659 C-D 685 - 1479 E-F Lumber Top chord: 2x4 SP #2; Maximum Bot Chord Forces Per Ply (lbs) Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Chords Tens.Comp. Chords Tens. Comp. 1418 -479 B - I H-F 1419 -493 1-H 965 - 236 Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide Maximum Web Forces Per Ply (lbs) clearance. Webs Tens.Comp. Webs Tens. Comp. Wind 542 - 228 544 -227 Wind loads based on MWFRS with additional C&C member design.

Uplifts based on an elevation at or above 1000 ft.

# **Additional Notes**

Refer to General Notes for additional information The overall height of this truss excluding overhang is 5-11-15.



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SEQN: 591925 COMN Ply: 1 Job Number: 20-4232 Cust: R 215 JRef: 1WV82150002 T5 FROM: CDM Qty: 4 Sylvester Warren-Lot 4 Emerald Cove DrwNo: 134.20.1424.08690 Truss Label: C03 / YK 05/13/2020 5'11" 11'3"8 16'8" 5'11' 5'4"8 5'4"8 ≡4X4 C 4.3 H ≡5X5 \_\_\_\_G =3X4 =3X4(A1) 7'8"8 7'2" 7'8"8 14'10"8 7'8"8 22'7' Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) Wind Std: ASCE 7-10 Non Gravity Pg: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/# Speed: 130 mph Pf: NA Ce: NA VERT(LL): 0.059 G 999 240

Loading	Citteria (psi)
TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00
Load Dura	ation: 1.25
Spacing: 2	24.0 "

Top chord: 2x4 SP #2;

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

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 GCpi: 0.18

Wind Duration: 1.60

# Cs: NA Lu: NA Snow Duration: NA

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

# VERT(CL): 0.114 G 999 180

HORZ(LL): 0.023 G HORZ(TL): 0.045 G Creep Factor: 2.0 Max TC CSI: 0.329 Max BC CSI: 0.676 Max Web CSI: 0.215

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Gravity			Non-Gravity			
Loc	R+	/ R-	/Rh	/ Rw	/U	/ RL
Α	969	/-	/-	/536	/14	/167
E	1077	/-	/-	/621	/26	1-
Win	d rea	ctions b	ased on	<b>MWFRS</b>		
Α	Brg \	Nidth =	4.0	Min Re	q = 1.	5
E	Brg \	Nidth =	4.0	Min Re	q = 1.	5
Bea	rings	A&Ea	re a rigio	d surface.		
				forces les	s than	375#
Max	imur	n Top C	hord Fo	rces Per	Ply (lb	s)
Cho	rds '	Tens.Co	mp.	Chords	Tens.	Comp.
A - I	3	389 -	1683	C-D	378	- 1488
-						

B-C 402 - 1502 D-E 365 - 1668

Lumber

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

# Wind

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

Uplifts based on an elevation at or above 1000 ft.

# **Additional Notes**

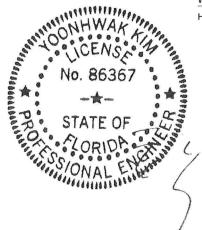
Refer to General Notes for additional information The overall height of this truss excluding overhang is 5-11-15.



Chords Tens.Comp. Chords Tens. Comp. 1444 - 253 A-H G-E 1426 -248 973 - 107 H-G

## Maximum Web Forces Per Ply (lbs) Webs

		- cp.		10110.	comp.
H-C	564	- 127	C-G	542	- 117



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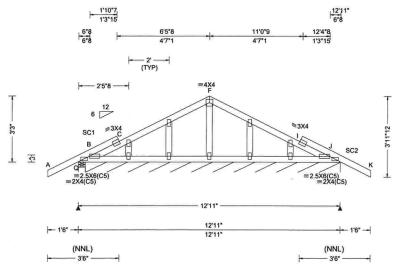
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SEQN: 591862 GABL Job Number: 20-4232 Ply: 1 Cust: R 215 JRef: 1WV82150002 T2 FROM: CDM Qty: 1 Sylvester Warren-Lot 4 Emerald Cove DrwNo: 134.20.1424.11843 Truss Label: D01 / YK 05/13/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.001 C 999 240
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 C
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.001 C
NCBCLL: 10.00	TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.475
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.041
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.067
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15

	G	ravity		N	on-Grav	vity
Loc	R+	/ R-	/Rh	/Rw	/U	/ RL
Q	509	/-	/-	/336	/163	/76
J*	146	/-	/-	179	1-	1-
Win	d read	ctions b	ased on I	MWFRS		
Q	Brg Width = 4.0		Min Reg = 1.5			
J	Brg Width = 151			Min Reg = -		
Bea	rings	Q&Ba	re a rigio	surface.		
				orces les	s than 3	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.

# Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 2.30 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

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

# Wind

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

Uplifts based on an elevation at or above 1000 ft.

# **Additional Notes**

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

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

certies hate length perpendicular to shord leng Splice top chord in notchable the a using 3.6.

The overall height of this trues building overhand 3-3-0.

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

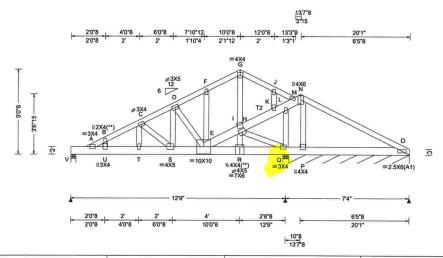
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# 2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): -0.112 V 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.148 S 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.038 G
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.051 G
NCBCLL: 0.00	TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.717
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.643
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.558
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15

# Lumber

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

Nail Schedule:0.131"x3", min. nails Nail Schedule: 0.131 x3 , min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 4.50" 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)
TC: From	62 plf at		62 plf at	7.13
TC: From	31 plf at	7.13 to	31 plf at	10.04
TC: From	62 plf at	10.04 to	62 plf at	20.08
BC: From	80 plf at	0.00 to	80 plf at	0.91
BC: From	20 plf at	0.91 to	20 plf at	7.13
BC: From	10 plf at	7.13 to	10 plf at	20.08
BC: 3403 lb	Conc. Load	at 7.13		
BC: 1395 lb	Conc. Load	at 9.06		
BC: 1400 lb	Conc. Load	at 11.06		

All plates are 2X4 except as noted.

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

# Wind

Wind loads and reactions based on MWFRS. Uplifts based on an elevation at or above 1000 ft.

# **Additional Notes**

Refer to General Notes for additional information The overall height of this truss excluding overhang is 5-0-8.

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

# filler and ig a lateral by axists at that poin axists at that poin in the control of the control

### ▲ Maximum Reactions (lbs), or \*=PLF Gravity Non-Gravity Loc R+ /RL /Rw / U ٧ 1793 10 Q 3415 1-/1308 /-1-0\* 344 1-1-1-/33 /-1748

Wind reactions based on MWFRS Brg Width = 3.5 Min Req = 1.5 Q Brg Width = 4.0 Min Req = 1.5 Brg Width = 86.0 Min Req = Bearings V, Q, & Q are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chords Tens, Comp A-B 0 - 24503887 -938 B - C 0 - 2191 1 - K 3416 - 1003 C-D 0 - 2041 J-M 0 - 1451 D-F 0 - 1403 3407 - 1039 K-L E-H 3504 - 738 L-M 2925 -910 F-G 0 - 1335 M - N -964 2168 G-J 0 - 1422N - O 2077 - 1177

### Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A-U 1896 0 E-R 774 - 1792 U - T 1952 0 R-Q 777 - 1822

T - S 1946 Q-P 0 1010 - 1738 S-E 1737 P-O 1045 - 1842 Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. Tens. Comp. Webs B-U R-H 916 -96 S - D 965 - 163 Q-L 280 - 1057 D-E 169 -948 N-P 745 - 2285 1141

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HIPS SEQN: 591876 Job Number: 20-4232 Ply: 1 Cust: R 215 JRef: 1WV82150002 T8 FROM: CDM Qty: 1 Svivester Warren-Lot 4 Emerald Cove DrwNo: 134.20.1425.08850 Truss Label: G01 05/13/2020 5' 8'5"8 13'5"8 5' 3'5"8 5' ₩6X8 ≡5X5 C T2 D 4\*3 G III2X4 F ≡3X4 =2.5X6(A1)  $\equiv$  2.5X6(A1) 13'5"8 3'5"8 5' 5' 1'6" ---015110

BCLL:         0.00         Enclosure: Closed         Lu: NA         Cs: NA         VERT(CL): 0           BCDL:         10.00         Risk Category: II         Snow Duration: NA         HORZ(L1): 0	in loc L/defl L/# .029 G 999 240	Loc R+	m Reactions ravity / R- / Rh		on-Grav	
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "  EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18  EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s):	.016 F : 2.0 0.277 0.146	D 1118 Wind reacti A Brg Wi D Brg Wi Bearings A Members n Maximum Chords Te	/- /- lions based on lidth = 4.0 lidth = 4.0 a & D are a riginot listed have Top Chord Fo	Min Re Min Re d surface. forces les	/201 /242 eq = 1.5 eq = 1.5 s than 3 Ply (lbs	375# <b>s)</b> Comp.

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

# Special Loads

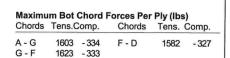
Opeciai Lou	us			
(Lumber	Dur.Fac.=1	.25 / Plate I	Dur.Fac.=1.2	25)
TC: From	62 plf at	0.00 to	62 plf at	5.00
TC: From	31 plf at	5.00 to	31 plf at	8.46
TC: From	62 plf at	8.46 to	62 plf at	14.96
BC: From	20 plf at	0.00 to	20 plf at	5.03
BC: From	10 plf at	5.03 to	10 plf at	8.43
BC: From	20 plf at	8.43 to	20 plf at	13.46
BC: From	4 plf at	13.46 to	4 plf at	14.96
TC: 204 lb	Conc. Load	at 5.03, 8.	43	
TC: 127 lb	Conc. Load	at 6.73		
	Conc. Load		43	
BC: 89 lb	Conc. Load	at 6.73		

# Wind

Wind loads and reactions based on MWFRS. Uplifts based on an elevation at or above 1000 ft.

# **Additional Notes**

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





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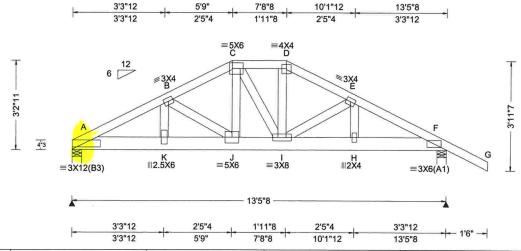
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org



SEQN: 591957 HIPS Ply: 2 Job Number: 20-4232 Cust: R 215 JRef: 1WV82150002 T17 FROM: CDM Qty: 1 Sylvester Warren-Lot 4 Emerald Cove DrwNo: 134.20.1425.30820 Truss Label: G02 / YK 05/13/2020

# 2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.057 J 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.113 J 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.013 B
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.027 B
NCBCLL: 0.00	TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.334
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.374
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.640
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15

# ▲ Maximum Reactions (Ibs)

	G	ravity		1	Non-Gravity			
Loc	R+	/ R-	/Rh	/Rw	/ U	/RL		
A 4	903	1-	1-	/-	/944	1-		
F 2	594	1-	1-	1-	/549	1-		
Wind	reac	tions b	ased or	MWFRS	V			
A E	3rg V	/idth =	4.0	Min R	eq = 2.0	)		
FE	3rg V	/idth =	4.0	Min R	eq = 1.5	5		
Beari	ngs /	A&Fa	re a rigi	d surface				
Memi	bers	not liste	ed have	forces les	ss than :	375#		
Maxi	mum	Top C	hord F	orces Pe	r Ply (lb	s)		
Chor	ds T	ens.Co	mp.	Chords	Tens.	Comp.		
A - B		731 -:	3658	D-E	532	- 2538		
B-C		608 - 2	2919	E-F	501	-2430		

608 - 2919 C-D 481 - 2312

# Lumber

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

# Nailnote

Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @ 3.25" o.c. Webs : 1 Row @ 4" o.c. Use equal spacing between rows and stagger nails in each row to avoid splitting.

# Special Loads

(Lumber	Dur.Fac.=1	.25 / Plate [	Dur.Fac.=1.	25)
TC: From	62 plf at	0.00 to	62 plf at	14.96
BC: From	10 plf at	0.00 to	10 plf at	6.40
BC: From	20 plf at	6.40 to	20 plf at	13.46
BC: From	4 plf at	13.46 to	4 plf at	14.96
BC: 1172 lb	Conc. Load	at 0.40, 2.	40, 4.40	
BC: 2836 lb	Conc Load	at 6.40		

# Wind

Wind loads and reactions based on MWFRS. Uplifts based on an elevation at or above 1000 ft.

# **Additional Notes**

Refer to General Notes for additional information The overall height of this truss excluding overhang is 3-2-11.

# Maximum Bot Chord Forces Per Ply (lbs)

onoras	Tens.C	comp.	Chords	Tens.	Comp.	
4 - K	3259	-648	I-H	2161	- 444	
< - J	3225	-644	H-F	2152	-441	
J - I	2597	-538				

# Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
K-B	691	-98	C-1	105	- 529
B - J	129	-767	1 - D	1051	- 207
C 1	1600	222			



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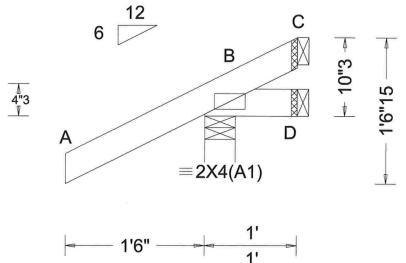
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For more information see this job's general notes page and these web sites: ALPINE: www.alpinetw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org



SEQN: 591864 Ply: 1 Job Number: 20-4232 Cust: R 215 JRef: 1WV82150002 T24 FROM: CDM Qty: 2 Sylvester Warren-Lot 4 Emerald Cove DrwNo: 134.20.1425.32740 Truss Label: J01 05/13/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 D HORZ(TL): 0.001 D Creep Factor: 2.0 Max TC CSI: 0.289 Max BC CSI: 0.038 Max Web CSI: 0.000
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15

B 254 /- /- /202 /70 /35 D 4 /-18 /- /17 /18 /- C - /-53 /- /32 /55 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = -		G	Gravity		N	on-Gra	vity
D 4 /-18 /- /17 /18 /- C - /-53 /- /32 /55 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = - D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = -	Loc	R+	/ R-	/Rh	/ Rw	/ U	/RL
C - /-53 /- /32 /55 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = -	В	254	/-	/-	/202	/70	/35
Wind reactions based on MWFRS  B Brg Width = 4.0 Min Req = 1.5  D Brg Width = 1.5 Min Req = -  C Brg Width = 1.5 Min Req = -	D	4	/-18	/-	/17	/18	1-
B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = -	C	=	/-53	1-	/32	/55	1-
D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = -	Win	d read	ctions ba	ased on	<b>MWFRS</b>		
C Brg Width = 1.5 Min Req = -	В	Brg V	Vidth =	4.0	Min Re	q = 1.5	5
	D	Brg V	Vidth =	1.5	Min Re	q = -	
Bearing B is a rigid surface.	С	Brg V	Vidth =	1.5	Min Re	g = -	
	Bear	ring B	is a rigi	d surfac	e.	199	
Members not listed have forces less than 375#		100.0	not note	u nave i	01003 103	o tilali	OT OH

# Lumber

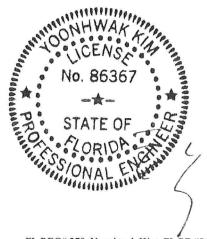
Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

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

Uplifts based on an elevation at or above 1000 ft.

# **Additional Notes**

Refer to General Notes for additional information The overall height of this truss excluding overhang is 0-10-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367 05/13/2020

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

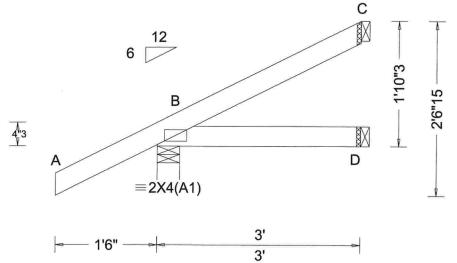
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SEQN: 591865 JACK Ply: 1 Job Number: 20-4232 Cust: R 215 JRef: 1WV82150002 T23 FROM: CDM Qty: 2 Sylvester Warren-Lot 4 Emerald Cove DrwNo: 134.20.1425.37547 Truss Label: J02 05/13/2020



Loading	Criteria (psf)	V
TCLL:	20.00	W
TCDL:	10.00	S
BCLL:	0.00	E
BCDL:	10.00	R
Des Ld:	40.00	E
NCBCLL	.: 10.00	T
Soffit:	2.00	В
Load Du	ration: 1.25	M
Spacing:	24.0 "	C
"		L

Vind Criteria Vind Std: ASCE 7-10 peed: 130 mph inclosure: Closed tisk Category: II XP: C Kzt: NA Mean Height: 15.00 ft CDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 &C Dist a: 3.00 ft oc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60

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

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

# Ct: NA CAT: NA PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA

HORZ(LL): 0.001 D HORZ(TL): 0.001 D Creep Factor: 2.0 Max TC CSI: 0.181 Max BC CSI: 0.072 Max Web CSI: 0.000

VIEW Ver: 19.02.02B.0122.15

# ▲ Maximum Reactions (Ibs)

	_	Javily		130	UI I-GI a	IVILY
Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL
В	262	1-	1-	/192	/44	/64
D	49	/-	1-	/39	/1	1-
C	62	1-	1-	/26	/25	1-
Wir	nd read	ctions b	ased on I	MWFRS		
В	Brg V	Vidth =	4.0	Min Re	q = 1.9	5
D	Brg V	Vidth =	1.5	Min Re	q = -	
C	Brg V	Vidth =	1.5	Min Re	q = -	
Bea	ring B	is a rig	id surfac	e.		
Mer	nbers	not liste	d have f	orces less	s than	375#

Non-Gravity

# Lumber

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

Wind loads based on MWFRS with additional C&C

Uplifts based on an elevation at or above 1000 ft.

# **Additional Notes**

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



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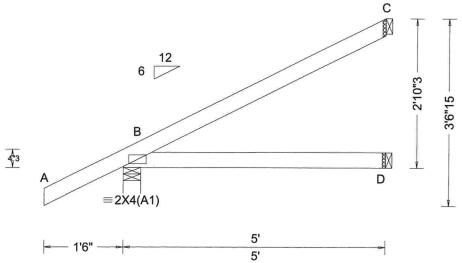
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SEQN: 591866 **JACK** Job Number: 20-4232 Ply: 1 Cust: R 215 JRef: 1WV82150002 T22 FROM: CDM Qty: 2 Sylvester Warren-Lot 4 Emerald Cove DrwNo: 134,20,1425,39310 Truss Label: J03 / YK 05/13/2020



	<del>-</del> 1'6" —		5'	-	
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)		▲ Maximum Reactions (Its	
TCLL: 20.00 TCDL: 10.00	Wind Std: ASCE 7-10 Speed: 130 mph	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA	PP Deflection in loc L/defl L/# VERT(LL): NA	Loc R+ /R- /Rh	Non-Gravity / Rw / U / RL
BCLL: 0.00 BCDL: 10.00	Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Lu: NA Cs: NA Snow Duration: NA	VERT(CL): NA HORZ(LL): 0.004 D	B 331 /- /- D 89 /- /- C 127 /- /-	/235 /47 /92 /63 /- /- /63 /49 /-
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft	Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0)	HORZ(TL): 0.008 D - Creep Factor: 2.0  Max TC CSI: 0.310  Max BC CSI: 0.247  Max Web CSI: 0.000	Wind reactions based on M B Brg Width = 4.0 D Brg Width = 1.5 C Brg Width = 1.5 Bearing B is a rigid surface Members not listed have fo	MWFRS Min Req = 1.5 Min Req = - Min Req = -
	GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): WAVE	VIEW Ver: 19.02.02B.0122.15	Wembers not listed have to	ices less than 375#

# Lumber

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

# Wind

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

Uplifts based on an elevation at or above 1000 ft.

# **Additional Notes**

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



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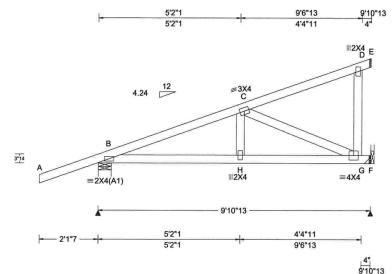
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SEQN: 591871 HIP\_ Job Number: 20-4232 Ply: 1 Cust: R 215 JRef: 1WV82150002 T26 FROM: CDM Qty: 1 Sylvester Warren-Lot 4 Emerald Cove DrwNo: 134.20.1425.51317 Truss Label: J04 05/13/2020



Criteria (psf) 20.00
20.00
10.00
0.00
10.00
40.00
: 10.00
2.00
ation: 1.25
24.0 "

Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60

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

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

# Ct: NA CAT: NA PP Deflection in loc L/defl L/# VERT(LL): 0.025 H 999 240 VERT(CL): 0.048 H 999 180 HORZ(LL): 0.005 G

HORZ(TL): 0.010 G Creep Factor: 2.0 Max TC CSI: 0.557 Max BC CSI: 0.699 Max Web CSI: 0.299 VIEW Ver: 19.02.02B.0122.15

### ▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /-В 368 1-/201 414 1-/98

Wind reactions based on MWFRS Brg Width = 5.7 Min Req = 1.5Brg Width = -Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375#

/RL

1-

1-

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

B-C 244 - 712

# Lumber

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

# Special Loads

ADDRESS ASSESSMENT AND STORY				
(Lumber	Dur.Fac.=1	.25 / Plate [	Dur.Fac.=1.2	(5)
TC: From	0 plf at	-2.12 to	61 plf at	0.00
			2 plf at	
BC: From	0 plf at	-2.12 to	4 plf at	0.00
BC: From	2 plf at	0.00 to	2 plf at	9.90
TC: -41 lb	Conc. Load	at 1.48		
TC: 124 lb	Conc. Load	at 4.31		
TC: 255 lb	Conc. Load	at 7.13		
BC: 8 lb	Conc. Load	at 1.48		
BC: 98 lb	Conc. Load	at 4.31		
BC: 179 lb	Conc. Load	at 7.13		

# Wind

Wind loads and reactions based on MWFRS. Uplifts based on an elevation at or above 1000 ft.

# **Additional Notes**

Refer to General Notes for additional information The overall height of this truss excluding overhang is 3-9-14.

# Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B-H 676 - 204

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

C-G 219 - 708



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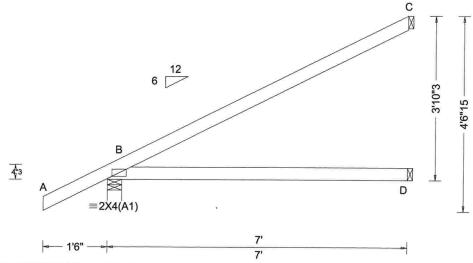
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6750 Forum Drive Suite 305 Orlando FL, 32821

SEQN: 591870 **EJAC** Ply: 1 Job Number: 20-4232 Cust: R 215 JRef: 1WV82150002 T25 FROM: CDM Qty: 25 Sylvester Warren-Lot 4 Emerald Cove DrwNo: 134.20.1425.53243 Truss Label: J05 / YK 05/13/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II EXP: C Kzt: NA	Snow Duration: NA	HORZ(LL): 0.014 D
Des Ld: 40.00	Mean Height: 15.00 ft		HORZ(TL): 0.028 D
NCBCLL: 10.00	TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.713
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.512
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15

B 408	Gravity			N	on-Gra	vity	
D 129	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/RL
C 187 /- /- /95 /71 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = -	В	408	/-	/-	/284	/53	/121
Wind reactions based on MWFRS  B Brg Width = 4.0 Min Req = 1.5  D Brg Width = 1.5 Min Req = -  C Brg Width = 1.5 Min Req = -	D	129	/-	/-	/89	1-	/-
B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = -	C	187	/-	1-	/95	/71	/-
D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = -	Win	d read	ctions b	ased on	MWFRS		
C Brg Width = 1.5 Min Req = -	В	Brg V	Vidth =	4.0	Min Re	q = 1.5	5
	D	Brg V	Vidth =	1.5	Min Re	q = -	
Bearing B is a rigid surface	С	Brg V	Vidth =	1.5	Min Re	g = -	
	Bea	ring B	is a rig	id surfac	e.	*	

# Lumber

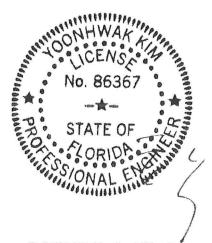
Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

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

Uplifts based on an elevation at or above 1000 ft.

# **Additional Notes**

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



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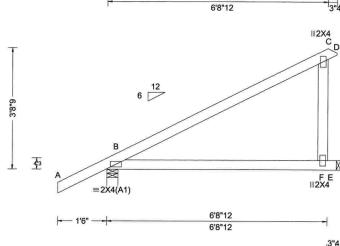
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SEQN: 591874 **EJAC** Job Number: 20-4232 Ply: 1 Cust: R 215 JRef: 1WV82150002 T34 FROM: CDM Qty: 3 Sylvester Warren-Lot 4 Emerald Cove DrwNo: 134,20,1425,57780 Truss Label: J5A / YK 05/13/2020

6'8"12



3\*8

Loading	Criteria (psf)
TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00
Load Dur	ation: 1.25
Spacing:	24.0 "

Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18

Wind Duration: 1.60

Pg: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria

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

Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria Ct: NA CAT: NA PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.012 F HORZ(TL): 0.024 F Creep Factor: 2.0 Max TC CSI: 0.597 Max BC CSI: 0.477 Max Web CSI: 0.232

VIEW Ver: 19.02.02B.0122.15

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / Rh / R-/Rw /U /RL 408 /-1-/284 /118 154 268 1-/-/177 /65 1-Wind reactions based on MWFRS Brg Width = 4.0 В Min Rea = 1.5Brg Width = 1.5 Min Reg = -Bearing B is a rigid surface. Members not listed have forces less than 375#

# Lumber

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

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

Uplifts based on an elevation at or above 1000 ft.

# **Additional Notes**

Refer to General Notes for additional information The overall height of this truss excluding overhang is 3-8-9.



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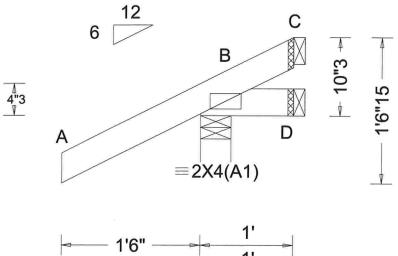
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SEQN: 591867 **JACK** Ply: 1 Job Number: 20-4232 Cust: R 215 JRef: 1WV82150002 T10 FROM: CDM Qty: 4 Sylvester Warren-Lot 4 Emerald Cove DrwNo: 134.20.1426.00540 Truss Label: J06 / YK 05/13/2020



		-	1'6"	1'		
	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (I	
	TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
	TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc R+ /R- /Rh	/Rw /U /RL
	BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	B 254 /- /-	/202 /70 /35
	BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 D	D 4 /-18 /-	/17 /18 /-
	Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 D	C - /-53 /-	/32 /55 /-
	NCBCLL: 10.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	Wind reactions based on N	/IWFRS
	O COL. S.O PSI		Bldg Code: FBC 2017 RES	Max TC CSI: 0.289	B Brg Width = 4.0	Min Req = 1.5
	Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.038	D Brg Width = 1.5	Min Req = -
	Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.000	C Brg Width = 1.5	Min Req = -
	Spacing, 24.0	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)	Wax VVeb Col. 0.000	Bearing B is a rigid surface	
	l y	Loc. from endwall: Any			Members not listed have for	orces less than 375#
		GCpi: 0.18	Plate Type(s):		-	
ı		Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15		

# Lumber

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

# Wind

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

Uplifts based on an elevation at or above 1000 ft.

# Additional Notes

Refer to General Notes for additional information The overall height of this truss excluding overhang is 0-10-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367 05/13/2020

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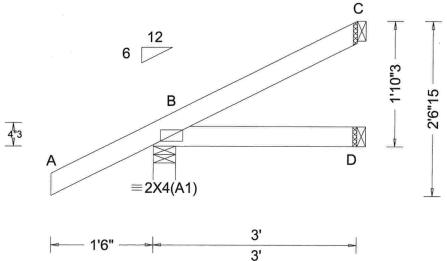
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org



SEQN: 591868 **JACK** Ply: 1 Job Number: 20-4232 Cust: R 215 JRef: 1WV82150002 T9 FROM: CDM Qty: 4 Sylvester Warren-Lot 4 Emerald Cove DrwNo: 134.20.1426.02133 Truss Label: J07 / YK 05/13/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
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 D
NCBCLL: 10.00	TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.181
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.072
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 19.02.02B.0122.15

	G	Gravity		N	on-Gra	vity
Loc	R+	/ R-	/Rh	/Rw	/ U	/ RL
В	262	<i>J-</i>	1-	/192	144	/64
D	49	/-	/-	/39	/1	1-
C	62	/-	1-	/26	/25	1-
Wir	nd read	ctions b	ased on	MWFRS		
В	Brg V	Vidth =	4.0	Min Re	q = 1.5	5
D	Brg V	Vidth = Vidth =	1.5	Min Re	q = -	
С	Brg V	Vidth =	1.5	Min Re		
Bea	ring B	is a rig	id surfac	е.	•	
				orces less	than	375#

# Lumber

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

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

Uplifts based on an elevation at or above 1000 ft.

# **Additional Notes**

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



FL REG# 278, Yoonhwak Kim, FL PE #86367 05/13/2020

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

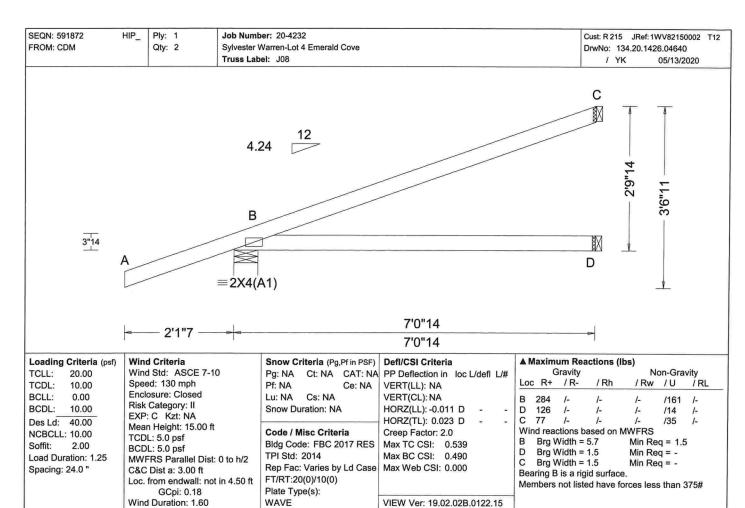
\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

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# Lumber

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

# Special Loads

(Lumber	Dur.Fac.=1.	.25 / Plate [	Dur.Fac.=1.2	5)
TC: From			61 plf at	0.00
TC: From	2 plf at	0.00 to	2 plf at	7.07
BC: From	0 plf at		4 plf at	0.00
BC: From	2 plf at	0.00 to	2 plf at	7.07
TC: -41 lb (				
TC: 124 lb				
BC. 8 lb	Conc Load	at 1 /18		

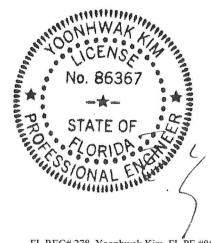
# BC: Wind

Wind loads and reactions based on MWFRS. Uplifts based on an elevation at or above 1000 ft.

98 lb Conc. Load at 4.31

# **Additional Notes**

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



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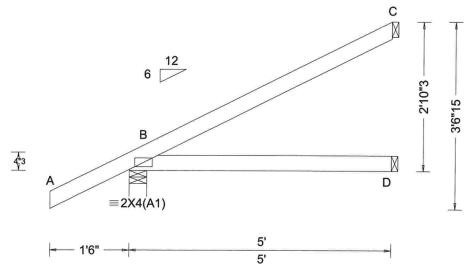
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6750 Forum Drive Suite 305 Orlando FL. 32821 SEQN: 591869 Job Number: 20-4232 Ply: 1 Cust: R 215 JRef: 1WV82150002 T11 FROM: CDM Qty: 3 Sylvester Warren-Lot 4 Emerald Cove DrwNo: 134.20.1426.08673 Truss Label: J09 / YK 05/13/2020



Loading Criteria (psf)   TCLL: 20.00   TCDL: 10.00   BCLL: 0.00   BCDL: 10.00   Des Ld: 40.00   NCBCLL: 10.00   Soffit: 2.00   Load Duration: 1.25   Spacing: 24.0   "	Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Durston: 1.60
	Wind Duration: 1.60

OHOW C	Silow Citteria (Fg,FilliFSF)		Dell/Col Citte	illa			
Pg: NA	Ct: NA	CAT: NA	PP Deflection	in	loc l	L/defl	L/#
Pf: NA		Ce: NA	VERT(LL): NA	1			
Lu: NA	Cs: NA		VERT(CL): NA				
Snow Du	ration: N	4	HORZ(LL): 0.	004	D	±7	-
			HORZ(TL): 0.0	800	D	#1	·
Code / N	lisc Crite	ria	Creep Factor:	2.0			
Bldg Cod	ie: FBC 2	017 RES	Max TC CSI:	0.3	310		
TPI Std:	2014		Max BC CSI:	0.2	247		
Rep Fac	: Yes		Max Web CSI:	0.0	000		
FT/RT:20	0(0)/10(0)						

Plate Type(s):

WAVE

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

Gravity				Non-Gravity		
Loc	R+	/ R-	/Rh	/ Rw	/ U	/RL
В	331	/-	1-	/235	/47	/92
D	89	/-	1-	/63	/-	1-
С	127	/-	/-	/63	/49	1-
Win	d read	ctions b	ased on	MWFRS		
В	Brg Width = 4.0			Min Reg = 1.5		
D	Brg Width = 1.5			Min Reg = -		
С	Brg Width = 1.5			Min Reg = -		
Bea	ring B	is a rig	id surfac	e.	•	
				orces less	than :	375#

# Lumber

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

# Wind

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

Uplifts based on an elevation at or above 1000 ft.

# **Additional Notes**

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



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



# 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.

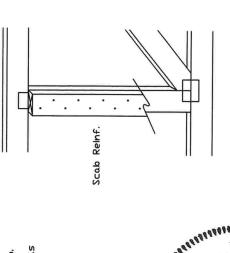
T-reinforcement, L-reinforcement, or scab reinforcement to be same species and grade or better than web member unless specified otherwise on Engineer's sealed design.

Apply (1) scab to each scab on wide face of web. face of web, Center 8

# L-Reinf. T-ReInf. T-ReInf. L-Reinf. è Apply to either side of web narrow face. Attach with 10d (0.128°x3.0°,min) nails at 6° o.c. Reinforcing member is a minimum 80% of web L-Reinforcement T-Reinforcement member length.

# Scab Reinforcement

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



No. 86367 ENDITIONAL STATE CONTRICTED BY THIS DRAWING

INTEREST PROBLEM SEAD AND FILLIDY ALL NOTES DR THIS DRAWING

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CLR Subst. 01/02/19

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SPACING

Alphe, a division of ITV Building Components Group Inc. shall not be responsible for any deviation from this deviate, any failure to build the truss in conformance with ANSI/IPI I, or for handling, shipping, restallation is bracing of trusses. A seal on this deviate of trusses, and the deviate of trusses in the deviate of the secretary of the seal of the deviate of the subshifty and use of the deviate deviate of the additional to only structure is the responsibility of the Building Designer per ANSI/IPI I Sec.2.

AN ITW COMPANY

13723 Riverport Drive Suite 200 Maryland Heights, MO 63043

DRWG A14015ENC101014 Attach 'L' braces with 10d (0.128"x3.0" min) nalls. ASCE7-10-GAB14015 Gable end supports load from 4' 0' outlookers with 2' 0' overhang, or 12' plywood overhang. \* For (1) 'L' brace' space nalls at 2' o.c.
In 18' end zones and 4' o.c. between zones.
\*\*For (2) 'L' braces: space nalls at 3' o.c.
In 18' end zones and 6' o.c. between zones. #2 Stud #3 Standard imfor 1x4 So. Pine use only Industrial 55 or Industrial 45 Stress-Rated Boards. Group values may be used with these grades. 1x4 Braces shall be SRB (Stress-Rated Boars Refer to the Building Designer for conditions not addressed by this detail. "L" bracing must be a minimum of 80% of web member length. Bracing Group Species and Gradesi Provide uplift connections for 55 plf over continuous bearing (5 psf TC Dead Load). Southern Pine## Southern Pineww Gable Truss Detail Notes: Standard + Refer to common truss design for peak, splice, and heel plates. Wind Load deflection criterion is L/240. No Splice DATE 10/01/14 Gable Vertical Plate Sizes Group A Hem-Fir #1 & Btr #1 1,00 Vertical Length Less than 4' 0' Greater than 4' 0' Group REF Spruce-Pine-Fir #1 / #2 Standard #3 Stud Douglas Fir-Larch Douglas Fir-Larch П Stud MAK. TOT. LD. 60 PSF Kzt #3 24.0, ပဲ MAX. SPACING Exposure Group B (1) 1x4 'L' Brace \* (1) 2x4 'L' Brace \* (2) 2x4 'L' Brace \*\* (1) 2x6 'L' Brace \* (2) 2x6 'L' Brace | + aboge 3 of m to chart about of max soble wenter lengths me manues. Increase require externe care in febrication. In ALL CONTRICTES ON THIS IMPANDING
The second requires the property of the production of th Wind Speed, 15' Mean Height, Enclosed, Export 120 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00 100 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00 Group A Group A Group B 14, 0, 13, 6 14' 0" Reinforcement Group A Group B 13, 3, 12' 9' 12' 9' 13' 0' 12, 9, 11, 8, 12, 10, 12, 9, 2222 Group A Group B 7, 6, 10, 3, 10' 2' 10' 2' 10' 4" 18, 18 Refer 9, 2 Stud "L" Brace 10, 10 10, 8, 10' 8" 9, 10, 9, 10, 8, 2° 8, 8, 8, 7, 9, 11, Gable 8, 7, 9, 11, Group B 8, 9, 6, 10, 8 8 9,6 8 2x4 DF-L #2 or better diagonal brace; single or double cut (as shown) at upper end. 140 mph 占 급급 Group A 8, 4, 8, 2, 8, 1, 8, 1, 6' 11' 8, 6, 5, 9, 2, No Braces 45. Gable Truss 5, 1, ASCE 7-10: Standard Brace Standard Standard Standard Standard Standard Stud Stud Stud Stud Stud Stud Grade #2 #3 #3 #5 #3 AN ITW COMPANY 2x4 e Vertical Vertical length shown in table above. gonal at Species 13723 Riverport Drive Suite 200 Maryland Heights, MO 63043 SPF SPF SPF SP SP SP Connect diagonal 生 Connect aleach end, Max web total length is 14'. DFI length may be brace option doubled when diagonal Gable pacing brace is used. 'D'0 'D'0 ,9I 'D'0 "4S ,2I Diagonal I yıbuə Vertical  $M\alpha \times$ Gable

92/12/292978, Yoonhwak Kim, FL PE #86367

