



Alpine, an ITW Company 155 Harlem Ave North Building, 4th Floor Glenview, IL 60025 Phone: (800)755-6001 www.alpineitw.com

FL REG# 278, Yoonhwak Kim, FL PE #86367 Florida Certificate of Product Approval #FL 1999

12/02/2022

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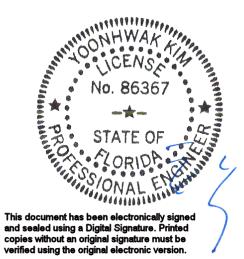
Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 22-8612
Job Description: 1845F	
Address:	

Job Engineering Criteria:			
Design Code: FBC 7th Ed. 2020 Res.	IntelliVIEW Version: 21.02.00 through 22.01.01A		
	JRef #: 1XL52150007		
Wind Standard: ASCE 7-16 Wind Speed (mph): 130	Design Loading (psf): 40.00		
Building Type: Closed			

This package contains general notes pages, 63 truss drawing(s) and 9 detail(s).

Item	Drawing Number	Truss
1	336.22.1426.48627	A01
3	336.22.1426.53730	A03
5	336.22.1428.37953	B01
7	336.22.1428.45290	B03
9	336.22.1428.54923	B05
11	336.22.1429.05613	B07
13	336.22.1429.29030	B09
15	336.22.1430.25110	C01
17	336.22.1430.37383	C03
19	336.22.1431.09760	D01
21	336.22.1431.15487	D03
23	336.22.1431.21293	D05
25	336.22.1432.10220	D09
27	336.22.1432.23360	D11
29	336.22.1432.37737	D13
31	336.22.1432.41933	D15
33	336.22.1432.47250	J01
35	336.22.1432.55540	J02
37	336.22.1433.07047	J03
39	336.22.1433.12083	J04
41	336.22.1433.15617	J06
43	336.22.1433.19913	J08
45	336.22.1433.24670	J10
47	336.22.1433.35283	PB01
49	336.22.1433.38780	PB03

Item	Drawing Number	Truss
2	336.22.1426.51730	A02
+	336.22.1427.53740	A04
4		1
6	336.22.1428.43047	B02
8	336.22.1428.47317	B04
10	336.22.1428.57347	B06
12	336.22.1429.13740	B08
14	336.22.1429.58380	B10
16	336.22.1430.32207	C02
18	336.22.1430.56123	C04
20	336.22.1431.12480	D02
22	336.22.1431.18730	D04
24	336.22.1431.30180	D07
26	336.22.1432.18780	D10
28	336.22.1432.34473	D12
30	336.22.1432.39973	D14
32	336.22.1432.44757	E01
34	336.22.1432.51367	J01HJ
36	336.22.1432.57933	J02HJ
38	336.22.1433.09820	J03HJ
40	336.22.1433.13840	J05
42	336.22.1433.17367	J07
44	336.22.1433.22500	J09
46	336.22.1433.30363	J11
48	336.22.1433.36903	PB02
50	336.22.1433.40570	PB04





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Site Information:	Page 2:	
Customer: W. B. Howland Company, Inc.	Job Number: 22-8612	
Job Description: 1845F		
Address:		

Item	Drawing Number	Truss
51	336.22.1433.44377	V01
53	336.22.1433.47000	V03
55	336.22.1433.51290	V05
57	336.22.1433.54877	V07
59	336.22.1434.00317	V09
61	336.22.1434.06663	V11
63	336.22.1442.21840	D08
65	GBLLETIN0118	
67	BRCLBSUB0119	
69	PB160160118	
71	VALTN160118	

Item	Drawing Number	Truss
52	336.22.1433.45657	V02
54	336.22.1433.49457	V04
56	336.22.1433.53047	V06
58	336.22.1433.56570	V08
60	336.22.1434.02150	V10
62	336.22.1441.37773	D06
64	A14015ENC160118	
66	CNNAILSP1014	
68	A14030ENC160118	
70	VAL180160118	
72	160TL	

General Notes

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

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

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

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

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

Temporary Lateral Restraint and Bracing:

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

Permanent Lateral Restraint and Bracing:

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

Connector Plate Information:

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

Fire Retardant Treated Lumber:

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

General Notes (continued)

Key to Terms:

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

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

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

CL = Certified lumber.

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

FRT = Fire Retardant Treated lumber.

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

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

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

g = green lumber.

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

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

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

Ic = Incised lumber.

FJ = Finger Jointed lumber.

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

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

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

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

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

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

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

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

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

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

PP = Panel Point.

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

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

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

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

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

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

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

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

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

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

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

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

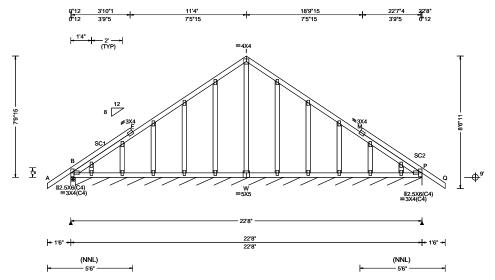
Refer to ASCE-7 for Wind and Seismic abbreviations.

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

References:

- 1. AWC: American Wood Council; 222 Catoctin Circle SE, Suite 201; Leesburg, VA 20175; www.awc.org.
- 2. ICC: International Code Council; www.iccsafe.org.
- 3. Alpine, a division of ITW Building Components Group Inc.: 155 Harlem Ave, North Building, 4th Floor, Glenview, IL 60025; www.alpineitw.com.
- 4. TPI: Truss Plate Institute, 2670 Crain Highway, Suite 203, Waldorf, MD 20601; www.tpinst.org.
- 5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www. sbcacomponents.com.

SEQN: 14073 GABL Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T2 FROM: Qty: 1 1845F DrwNo: 336.22.1426.48627 Truss Label: A01 KD / YK 12/02/2022



TCLL: 20.00 Wind Std: ASCE 7-16 Pg: NA Ct: NA CAT: NA TCDL: 10.00 Speed: 130 mph Pf: NA Ce: NA BCLL: 0.00 Enclosure: Closed Lu: NA Cs: NA BCDL: 10.00 Risk Category: II Snow Duration: NA Des Ld: 40.00 Mean Height: 15.00 ft Building Code: NCBCLL: 10.00 BCDL: 5.0 psf Soffit: 2.00 BCDL: 5.0 psf Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 TPI Std: 2014	Defl/CSI Criteria
Spacing: 24.0 " C&C Dist a: 3.00 ft Rep Fac: Yes	A PP Deflection in loc L/defl L/#

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 286 /135 /257 P* 82 /45 /-Wind reactions based on MWFRS Brg Wid = 3.5 Min Req = 1.5 (Truss) Brg Wid = 268 Min Req = -Bearings B & B are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Stack Chord: SC2 2x4 SP #2;

Plating Notes

All plates are 2X4 except as noted.

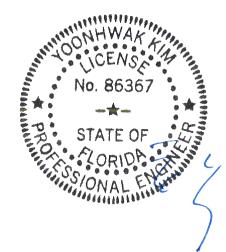
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

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



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

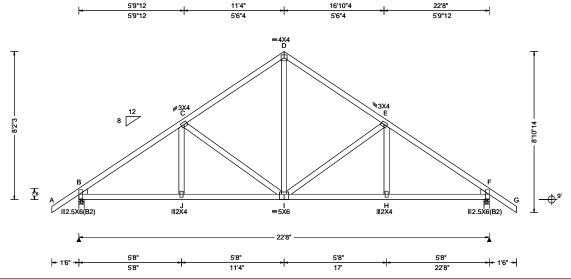
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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



SEQN: 14136 COMN Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 FROM: Qty: 7 1845F DrwNo: 336.22.1426.51730 Truss Label: A02 KD / YK 12/02/2022

11'4"



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.048 I 999 240 VERT(CL): 0.098 I 999 180 HORZ(LL): 0.027 F HORZ(TL): 0.055 F Creep Factor: 2.0 Max TC CSI: 0.477 Max BC CSI: 0.486 Max Web CSI: 0.347
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15
Lumber			

Maximum Reactions (lbs) Gravity Non-Gravity c R+ /Rh /Rw /U /RL 1056 /-/652 /178 /267 1056 /652 /178 ind reactions based on MWFRS Brg Wid = 3.5Min Reg = 1.5 (Truss) Brg Wid = 3.5 Min Req = 1.5 (Truss) earings B & F are a rigid surface. lembers not listed have forces less than 375# aximum Top Chord Forces Per Ply (lbs) hords Tens.Comp. Chords Tens. Comp. 245 - 1323 260

22'8"

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

Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

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

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

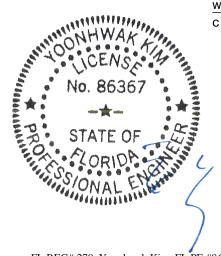
Chords	Tens.C	omp.	Chords	Tens. C	Comp.
B - J	1008	- 97	I - H	1007	-83
J - I	1007	- 98	H - F	1008	-82

E-F

244 - 1323

Maximum Web Forces Per Ply (lbs)

vebs	Tens.Comp.	Webs	Tens. Comp.
: - 1	164 - 375	D - I	577 - 137



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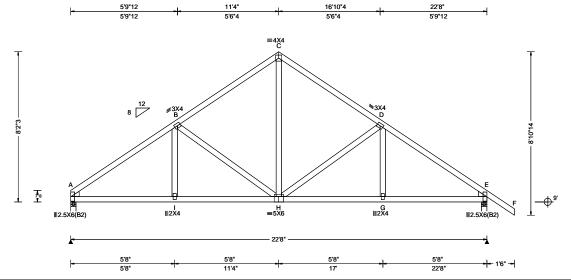
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 14766 COMN Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T53 FROM: Qty: 3 1845F DrwNo: 336.22.1426.53730 Truss Label: A03 KD / YK 12/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	14
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.046 H 999 240 VERT(CL): 0.095 H 999 180 HORZ(LL): 0.027 E HORZ(TL): 0.055 E Creep Factor: 2.0 Max TC CSI: 0.478 Max BC CSI: 0.488 Max Web CSI: 0.364	E
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15	╛
Lumber				

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 949 /557 /148 /246 1059 /652 /179 /-Wind reactions based on MWFRS Brg Wid = 3.5 Min Reg = 1.5 (Truss) Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings A & E 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. 253 - 1340 B - C D-E 249 - 1329

Lumber

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

Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

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

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.	
A - I	1027		H - G	1012	- 87
I - H	1026		G - E	1013	- 86

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp.		Webs	Tens. Comp.		
B - H	172 - 392	H - D	164 - 375		



FL REG# 278, Yoonhwak Kim, FL PE #86367 Flood D2 Conficate of Product Approval #FL 1999

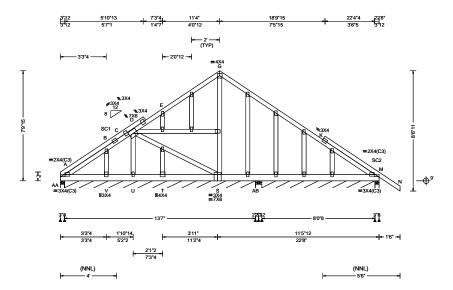
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 14862 GABL Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 FROM: Qty: 1 1845F DrwNo: 336.22.1427.53740 Truss Label: A04 KD / YK 12/02/2022



Loading Criteria (psf) Wind Criteria		Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria		
TCLL: 20.00 V	Vind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#		
1.022.		Pf: NA Ce: NA	VERT(LL): 0.045 F 999 240		
DCLL. 0.00		Lu: NA Cs: NA	VERT(CL): 0.090 F 999 180		
1BCDL. 10.00 1		Snow Duration: NA	HORZ(LL): 0.029 F		
Dec d 10 00 -	EXP: C Kzt: NA		HORZ(TL): 0.057 F		
INCECT 1 40 00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0		
0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.329		
1	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.481		
		Rep Fac: Varies by Ld Case	Max Web CSI: 0.608		
· L	oc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)			
	GCpi: 0.18	Plate Type(s):			
V	Vind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15		

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; Stack Chord: SC1 2x4 SP #2; Stack Chord: SC2 2x4 SP #2;

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 64 plf at 64 plf at 0.00 to TC: From 32 plf at 5.27 to 32 plf at 7.27 TC: From 64 plf at 7.27 to 64 plf at 24.17 BC: From BC: From 0.00 to 11.19 to 10 plf at 10 plf at 11.19 20 plf at 20 plf at 22.67 5 plf at BC: From 22.67 to 5 plf at 24.17 BC: 1669 lb Conc. Load at 1.27, 3.27, 9.27 BC: 1501 lb Conc. Load at 5.27, 7.27 BC: 1553 lb Conc. Load at 11.27

Plating Notes

All plates are 2X4 except as noted.

Loading

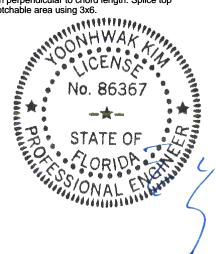
Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

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

Additional Notes

See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

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



▲ Maximum Reactions (lbs), or *=PLF

/-

/-

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

- 67

Wind reactions based on MWFRS

AB Brg Wid = 96.5 Min Req = -M Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings AA, AA, AB, AB, & M are

/Rh

Non-Gravity

/214 /-

/127 /-

/8

/83

/RL

/-

/-

Tens. Comp.

-61

419

/Rw /U

/3

/-

Min Req = 1.5 (Truss) Min Req = -

Min Req = 1.5 (Truss)

Chords

B-C

Gravity

/-

/-

AA Brg Wid = 3.5

AA Brg Wid = 162 AB Brg Wid = 5.5

a rigid surface.

A - B

A - C

Chords Tens.Comp.

453

108 - 495

Loc R+

AA 1146

AA*692

AB 53

AB*62

M 302

FL REG# 278, Yoonhwak Kim, FL PE #86367 Florida (2020) Floridate of Product Approval #FL 1999

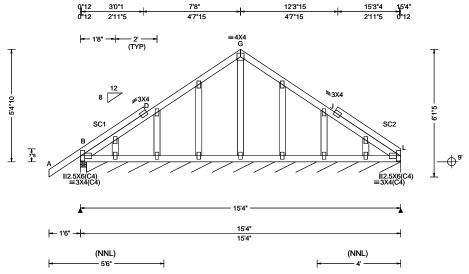
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SEQN: 14713 GABL Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T13 FROM: Qty: 1 1845F DrwNo: 336.22.1428.37953 Truss Label: B01 KD / YK 12/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.001 J 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.002 J 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.002 J
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.002 J
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.199
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.048
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.053
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 267 /151 /169 /-/42 /-75 /12 Wind reactions based on MWFRS Brg Wid = 3.5 Min Reg = 1.5 (Truss) Brg Wid = 180 Min Req = -Bearings B & B are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Stack Chord: SC2 2x4 SP #2;

Plating Notes

All plates are 2X4 except as noted.

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367 Flora (1999) Florate of Product Approval #FL 1999

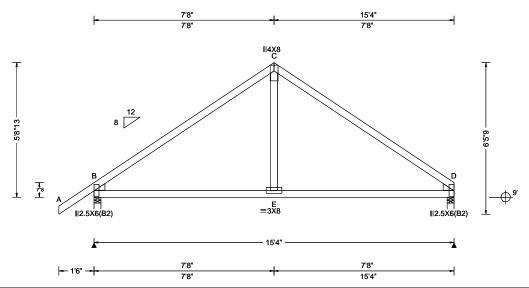
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SEQN: 14150 COMN Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T7 FROM: DrwNo: 336.22.1428.43047 Qty: 3 1845F Truss Label: B02 KD / YK 12/02/2022



Loading Criteria (psf) Wind Criteria		Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria		
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.010 E 999 240 VERT(CL): 0.019 E 999 180 HORZ(LL): 0.009 D HORZ(TL): 0.015 D Creep Factor: 2.0 Max TC CSI: 0.682 Max BC CSI: 0.571 Max Web CSI: 0.133	E	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15	╛	
Lumber				٠,	

	▲ Maxim	um Pas	ctions (he)		
		Gravity	ctions (i	•	on-Grav	rity
)	Loc R+	/ R-	/Rh	/ Rw	/ U	/ RL
)	B 842	/-	/-	/473	/130	/178
	D 729	/-	/-	/376	/98	/-
	Wind rea	ctions b	ased on I	MWFRS		
	B Brg \	Nid = 3.	5 Min	Req = 1.5	(Truss	s)
	D Brg \	Nid = 3.	5 Min	Req = 1.5	(Truss	s)
	Bearings	B&Da	re a rigid	l surface.		
	Members	not liste	ed have f	orces less	s than 3	375#
	Maximur	n Top C	hord Fo	rces Per	Ply (lb:	s)
	Chords	Tens.Co	mp.	Chords	Tens.	Comp.
	B - C	345	914	C - D	347	- 911

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 654 - 142 654

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

Loading

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

Wind

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

Wind loading based on both gable and hip roof types.



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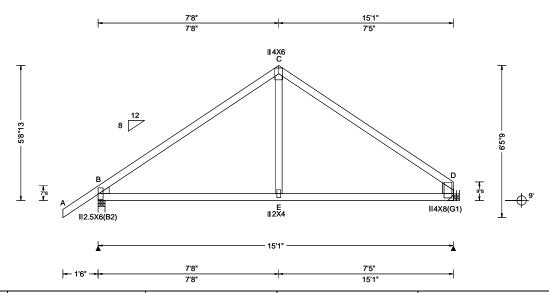
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SEQN: 14408 SPEC Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T64 FROM: DrwNo: 336.22.1428.45290 Qty: 13 1845F Truss Label: B03 KD / YK 12/02/2022



Loading Criteria (psf) Wind Criteria		Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria		
	TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.010 E 999 240 VERT(CL): 0.019 E 999 180 HORZ(LL): 0.012 D	
	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: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.019 D Creep Factor: 2.0 Max TC CSI: 0.634 Max BC CSI: 0.539 Max Web CSI: 0.128	
		Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15	
	Lumber				

	▲ Maximum Reactions (Ibs)						
		G	avity		N	lon-Grav	vity
)	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
)	В	830		/-	/467	/128	/176
	D	720	/-	/-	/367	/97	/-
	Win	d read	ctions b	ased o	n MWFRS		
	В	Brg V	Vid = 3	.5 Mi	n Req = 1.	5 (Trus	s)
	D	Brg V	Vid = -	Mi	n Req = -	•	•
	Bea	ring B	is a rig	gid surfa	ace.		
	Men	nbers	not list	ed have	e forces les	s than 3	375#
	Max	imun	n Top (Chord F	orces Pe	Ply (lb	s)
	Cho	rds ⁻	Tens.C	omp.	Chords	Tens.	Ćomp.
	B - 0	0	190	- 887	C-D	192	- 882

Maximum Bot Chord Forces Per Ply (lbs)

E-D

Chords Tens. Comp.

630

Chords Tens.Comp.

630

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

Hangers / Ties

(J) Hanger Support Required, by others

Loading

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

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

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367 Flora De Contracte of Product Approval #FL 1999

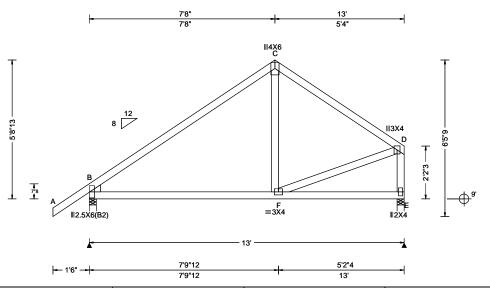
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SEQN: 14152 COMN Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T21 FROM: Qty: 2 1845F DrwNo: 336.22.1428.47317 Truss Label: B04 KD / YK 12/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code:	PP Deflection in loc L/defl L/# VERT(LL): 0.004 F 999 240 VERT(CL): 0.009 F 999 180 HORZ(LL): 0.008 B HORZ(TL): 0.016 B Creep Factor: 2.0	
Soffit: 2.00	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	FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Max TC CSI: 0.634 Max BC CSI: 0.512 Max Web CSI: 0.172 VIEW Ver: 21.02.01.1216.15	
Lumbor	<u> </u>	·		_

▲ Maximum Reactions (lbs)							
	G	ravity		N	on-Gra	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
В	701	/-	/-	/423	/11	/187	
E	584	/-	/-	/294	/2	/-	
Win	d read	tions b	ased on	MWFRS			
В	Brg V	/id = 3	.5 Mir	Req = 1.	5 (Trus	s)	
Ε	Brg V	/id = 3	.5 Mir	Req = 1.	5 (Trus	s)	
Bea	rings l	3 & E a	are a rigi	d surface.	•	•	
	_		-	forces les	s than :	375#	
Maximum Top Chord Forces Per Ply (lbs)							
Cho	rds T	ens.C	omp.	Chords	Tens.	Ćomp.	
В-0	2	175	- 648	C - D	190	- 590	

Lumber

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

Loading

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

Wind

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

Right end vertical exposed to wind pressure. Deflection meets L/360.

Wind loading based on both gable and hip roof types.

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

B - F 431 - 123

Maximum Web Forces Per Ply (lbs)

Tens. Comp. Webs Tens.Comp. Webs F-D D-E 178 - 564



FL REG# 278, Yoonhwak Kim, FL PE #86367 Flora De Contracte of Product Approval #FL 1999

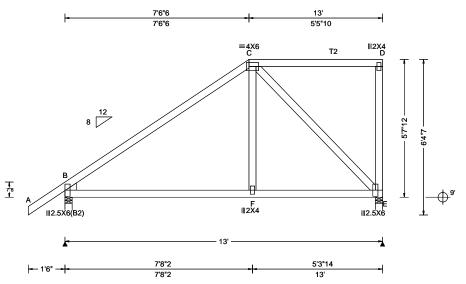
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SEQN: 14867 COMN Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T11 FROM: DrwNo: 336.22.1428.54923 Qty: 1 1845F Truss Label: B05 KD / YK 12/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.007 F 999 240 VERT(CL): 0.009 F 999 180 HORZ(LL): -0.010 B HORZ(TL): 0.020 B Creep Factor: 2.0 Max TC CSI: 0.621 Max BC CSI: 0.571 Max Web CSI: 0.688	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15	E
Lumber				

▲ Ma	ximu	m Reac	tions (lbs	s)		
Gravity Non-Gravity						
Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL
В 6	55	/-	/-	/436	/109	/245
E 5	40	/-	/-	/327	/120	/-
Wind	reac	tions bas	sed on M\	VFRS		
ВЕ	3rg W	/id = 3.5	Min Re	q = 1.5	(Truss	s)
E	3rg W	/id = 3.5	Min Re	q = 1.5	(Truss	s)
Beari	ngs E	3 & E are	a rigid si	urface.		
Mem	bers	not listed	have for	ces less	than 3	375#
Maxi	Maximum Top Chord Forces Per Ply (lbs)					
Chore	ds T	ens.Con	np.		- •	-
В-С		250 - 5	558			

Top chord: 2x4 SP M-31; T2 2x4 SP #2;

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

Purlins

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

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

Right end vertical exposed to wind pressure. Deflection meets L/360.

Wind loading based on both gable and hip roof types.

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. C-E 349 - 481



Flood D2 (202) Ficate of Product Approval #FL 1999

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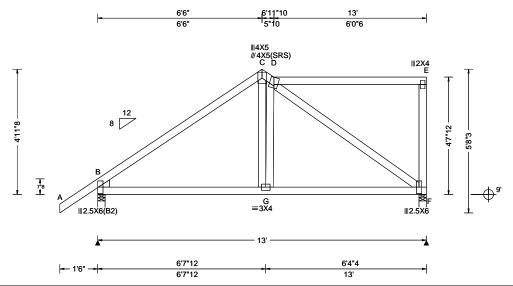
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 14082 COMN Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T45 FROM: DrwNo: 336.22.1428.57347 Qty: 1 1845F Truss Label: B06 KD / YK 12/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
1.0220.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.009 D 999 240	L
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.019 D 999 180	E
10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.005 B	F
Dec d 10 00	EXP: C Kzt: NA		HORZ(TL): 0.009 F	٧
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	E
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.553	F
	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.543	E
1	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.583	N
' '	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		l"
	GCpi: 0.18	Plate Type(s):] -
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15	E
Lumber	•	•	•	٠.

▲ N	▲ Maximum Reactions (lbs)								
	(Gravity		N	Non-Gravity				
Loc	: R+	/ R-	/ Rh	/ Rw	/ U	/ RL			
В	655	/-	/-	/432	/110	/209			
F	540	/-	/-	/309	/105	/-			
Wir	nd rea	ctions b	ased on	MWFRS					
В	Brg \	Wid = 3.	5 Mir	Req = 1.5	(Truss	s)			
F	Brg \	Wid = 3.	5 Mir	Req = 1.5	(Truss	s)			
Bea	arings	B&Fa	re a rigi	d surface.	•	•			
Ме	mbers	not liste	ed have	forces les	s than 3	375#			
Ma	ximui	n Top C	hord F	orces Per	Plv (lb	s)			
				Chords					
В-	С	303	- 635	C-D	476	- 519			

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

Purlins

In lieu of structural panels use purlins to brace all flat

TC @ 24" oc.

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

Right end vertical exposed to wind pressure. Deflection meets L/360.

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - G 433 - 375 455

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

C-G 334 - 434 D-F 429 - 561 G-D 512 - 167



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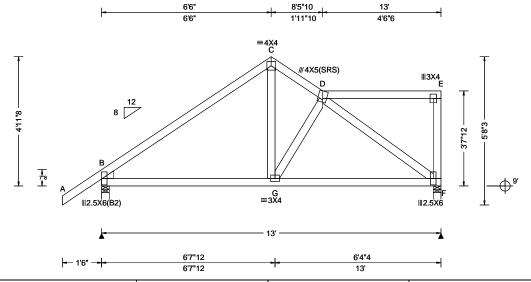
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 14083 COMN Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T42 FROM: DrwNo: 336.22.1429.05613 Qty: 1 1845F Truss Label: B07 KD / YK 12/02/2022



L	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
1 1 1 1 1 1 1 1 1	TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes	Defl/CSI Criteria	
	-	Loc. from endwall: not in 9.00 ft GCpi: 0.18	FT/RT:20(0)/10(0) Plate Type(s):		2
L		Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15	JE
	Lumber				

▲ M	▲ Maximum Reactions (lbs)								
	G	ravity		No	on-Grav	vity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL			
В	655	/-	/-	/425	/111	/192			
F	540	/-	/-	/301	/95	/-			
Win	d reac	tions b	ased on	MWFRS					
В	Brg W	/id = 3.	5 Min	Req = 1.5	(Trus	s)			
F	Brg W	/id = 3.	5 Min	Req = 1.5	(Trus	s)			
Bea	rings E	3 & F a	re a rigi	d surface.	•	•			
Men	nbers	not liste	ed have	forces less	s than 3	375#			
Max	imum	Top C	hord F	orces Per	Plv (lb	s)			
	Chords Tens.Comp. Chords Tens.Comp.								
B - 0		245	- 629	C - D	304	- 527			

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - G 426 - 277 488

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. 374 - 595

Purlins

In lieu of structural panels use purlins to brace all flat

TC @ 24" oc.

Top chord: 2x4 SP #2;

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

Lt Wedge: 2x4 SP #3;

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

Right end vertical exposed to wind pressure. Deflection meets L/360.

Wind loading based on both gable and hip roof types.



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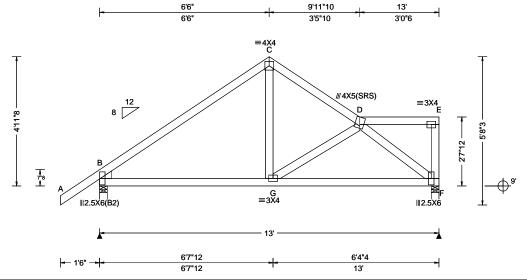
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SEQN: 14084 COMN Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T47 FROM: DrwNo: 336.22.1429.13740 Qty: 1 1845F Truss Label: B08 KD / YK 12/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	١.
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes	DefI/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.008 G 999 240 VERT(CL): 0.016 G 999 180 HORZ(LL): -0.005 B HORZ(TL): 0.009 F Creep Factor: 2.0 Max TC CSI: 0.429 Max BC CSI: 0.433 Max Web CSI: 0.199	
3	Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	FT/RT:20(0)/10(0) Plate Type(s): WAVE	VIEW Ver: 21.02.01.1216.15	9
Lumber				-

	▲ Maxim	um Rea	ctions (I	bs)					
	(Gravity		No	on-Grav	/ity			
)	Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL			
)	B 655	/-	/-	/420	/113	/175			
	F 540	/-	/-	/292	/90	/-			
	Wind reactions based on MWFRS								
	B Brg	Wid = 3.	5 Min f	Req = 1.5	(Truss	s)			
	F Brg	Wid = 3.	5 Min f	Req = 1.5	(Truss	s)			
	Bearings	B&Fa	re a rigid	surface.	•	•			
	Members	not liste	ed have fo	orces less	than 3	375#			
	Maximu	n Top C	hord Fo	rces Per	Plv (lb	s)			
				Chords					
	В-С	208	- 630	C - D	237	- 559			

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 427 - 195 B - G 522

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. 341 - 651

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

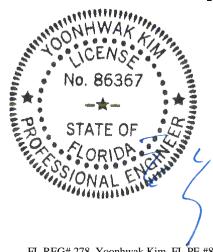
Purlins

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

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

Right end vertical exposed to wind pressure. Deflection meets L/360.

Wind loading based on both gable and hip roof types.



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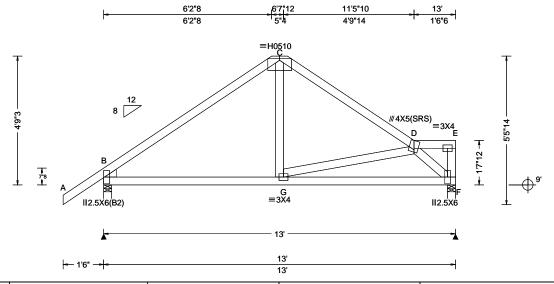
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SEQN: 14718 COMN Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T48 FROM: DrwNo: 336.22.1429.29030 Qty: 1 1845F Truss Label: B09 KD / YK 12/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	4
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.008 G 999 240 VERT(CL): 0.016 G 999 180 HORZ(LL): 0.005 F HORZ(TL): 0.009 F Creep Factor: 2.0 Max TC CSI: 0.410 Max BC CSI: 0.431 Max Web CSI: 0.140	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 21.02.01.1216.15	
Lumber				

▲ M	▲ Maximum Reactions (lbs)								
	G	ravity		No	n-Grav	/ity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL			
В	655	/-	/-	/417	/106	/140			
F	540	/-	/-	/292	/81	/-			
Win	d reac	tions ba	ased on	MWFRS					
В	Brg W	/id = 3.5	5 Min	Req = 1.5	(Truss	s)			
F	Brg W	/id = 3.5	5 Min	Req = 1.5	(Truss	s)			
Bea	rings E	3 & Far	e a rigio	d surface.	•	•			
Men	nbers	not liste	d have	forces less	than 3	375#			
Max	imum	Top C	hord Fo	orces Per	Plv (lb	s)			
	Chords Tens.Comp. Chords Tens. Comp.								
B - 0		172 -	634	C - D	186	- 599			

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - G 433 552

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

321 - 724

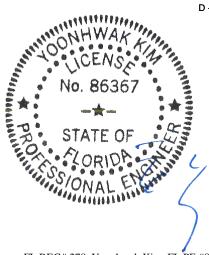
Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Lt Wedge: 2x4 SP #3;

Purlins

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

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

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



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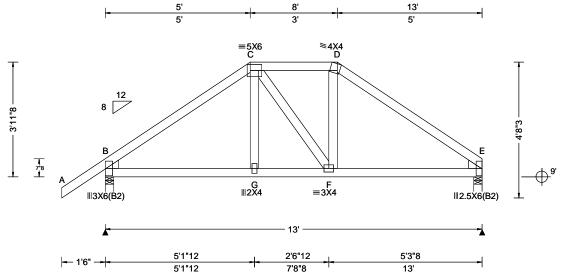
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SEQN: 14848 HIPS Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T33 FROM: DrwNo: 336.22.1429.58380 Qty: 1 1845F Truss Label: B10 KD / YK 12/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	A
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.041 G 999 240 VERT(CL): 0.083 G 999 180 HORZ(LL): 0.025 E HORZ(TL): 0.050 E Creep Factor: 2.0 Max TC CSI: 0.631 Max BC CSI: 0.817 Max Web CSI: 0.091	B E V B E B M C
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15	J B C
Lumber				_

	▲ Maxi	mum Re	actions (lbs)		
		Gravity		No	on-Grav	vity
,	Loc R-	+ /R-	/ Rh	/ Rw	/ U	/ RL
,	B 125	53 /-	/-	/-	/269	/-
	E 113	38 /-	/-	/-	/230	/-
	Wind re	eactions	based on	MWFRS		
	B Bro	y Wid = :	3.5 Min	Req = 1.5	(Trus	s)
	E Bro	y Wid = :	3.5 Min	Req = 1.5	(Trus	s)
	Bearing	js B & E	are a rigio	l surface.		
	Membe	rs not lis	sted have f	orces les	s than 3	375#
	Maxim	um Top	Chord Fo	rces Per	Ply (lb	s)
	Chords	Tens.0	Comp.	Chords	Tens.	Comp.
	B-C	361	- 1641	D-E	364	- 1646
	C-Ď		- 1298		50.	

Maximum Bot Chord Forces Per Ply (lbs)

Chords

F-E

Tens. Comp.

- 273

1279

Chords Tens.Comp.

G-F

1268 - 268

1277 - 264

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

Special Loads

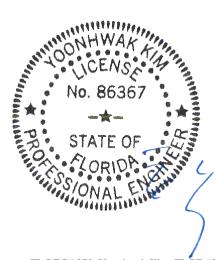
•				
(Lumber	Dur.Fac.=1.	25 / Plate D	Our.Fac.=1.2	25)
TC: From	64 plf at	-1.50 to	64 plf at	5.00
TC: From	32 plf at	5.00 to	32 plf at	8.00
TC: From	64 plf at	8.00 to	64 plf at	13.00
BC: From	5 plf at	-1.50 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	5.03
BC: From	10 plf at	5.03 to	10 plf at	7.97
BC: From	20 plf at	7.97 to	20 plf at	13.00
TC: 366 lb	Conc. Load	at 5.03, 7.	97	
TC: 141 lb	Conc. Load	at 6.50		
BC: 177 lb	Conc. Load	at 5.03, 7.	97	
RC: 96 lb	Conc Load	at 6.50		

Purlins

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

Wind

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



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

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

SEQN: 133317 HIPS Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T30 Ply: 1 FROM: 1845F DrwNo: 336.22.1430.25110 Qty: 1 Truss Label: C01 KD / YK 12/02/2022 16'3"3 1'11"3 11'2"12 14'4' 18'10"4 23'8' 30'8' 3'1"4 4'2"12 2'7"1 4'9"12 ∥2X4 =7X6 **∥4**X6 =3<u>×</u>5 ≅6X8 =4<u>X</u>8 W1 3'10"8 **≷3X10** W2 \$. [⋣]TU S ≡6X10 R ∥2.5X6 iii2X4 WV X AB ≡5X5 AA III4X4 =3X4(A1) Uplift |||2X4(**) 1"12 17'6"4 7'1"12 3'9"8 3'2"8 2'0"8 4'8' 3'7"8 1"12 1'1"3 |-1'6"-| 14'1"12 16'4" 27'1"12 27'3"8 29'5"3 7'1"12 10'11"4 23'6"4 1'0"8 1'4" 1'2"13 30'8" 1"12 14'3"8 28'4" 17'4"818'10"4 Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) Non-Gravity Wind Std: ASCE 7-16 Pg: NA Gravity Ct: NA CAT: NA TCLL: 20.00 PP Deflection in loc L/defl L/# Loc R+ /Rh /Rw /U /RL Speed: 130 mph TCDL: 10.00 Pf: NA VERT(LL): 0.192 Q 999 Ce: NA 240 Enclosure: Closed VERT(CL): 0.388 Q BCII: 0.00 Lu: NA Cs: NA 506 180 В 844 /-/177 /-Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.054 J 4499 /-/-/-/940 EXP: C Kzt: NA 1113 /252 HORZ(TL): 0.108 J Des Ld: 40.00 Mean Height: 15.00 ft Wind reactions based on MWFRS **Building Code:** Creep Factor: 2.0 NCBCLL: 10.00 TCDL: 5.0 psf Brg Wid = 3.5 Min Reg = 1.5 (Truss) FBC 7th Ed. 2020 Res. Max TC CSI: 0.516 Soffit: 2.00 BCDL: 5.0 psf Brg Wid = 3.5Min Req = TPI Std: 2014 Max BC CSI: 0.586 Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 Brg Wid = 3.5 Min Req = 1.5 (Truss) Rep Fac: Varies by Ld Case Max Web CSI: 0.839 Spacing: 24.0 ' C&C Dist a: 3.07 ft Bearings B, Z, & J are a rigid surface. Loc. from endwall: not in 4.50 ft FT/RT:20(0)/10(0) Members not listed have forces less than 375# Plate Type(s): GCpi: 0.18 Maximum Top Chord Forces Per Ply (lbs) VIEW Ver: 21.02.00.1005.17 Wind Duration: 1.60 WAVE Chords Tens.Comp. Chords Tens. Comp. Lumber **Purlins** B - C F-G - 434 231 - 1098 166 Top chord: 2x4 SP M-31; T1 2x4 SP #2; Bot chord: 2x4 SP #2; B3 2x4 SP M-31; Webs: 2x4 SP #3; W2,W4,W7,W11 2x4 SP M-31; In lieu of structural panels use purlins to brace all flat C-D 527 G-H 166 - 435 - 42 TC @ 24" oc. 1976 - 341 481 - 2075 D-E H - I F-F 166 - 434 308 1 - .1 - 1277 W14 2x4 SP #2: Wind loads and reactions based on MWFRS. Maximum Bot Chord Forces Per Ply (lbs) **Special Loads** Wind loading based on both gable and hip roof types. Chords Tens.Comp. Chords Tens. Comp. 00 67 17 00 15 64 67 Bearing Block(s) B-AB 903 - 175 1870 -412 Brg blocks:0.131"x3", min. nails programmer of the programmer of t AB-AA 941 - 176 R-P 1815 - 407 AA-Z 55 - 630 P - M 1510 - 347 X - T 270 - 1712 M - I 1118 - 219 T - S 327 - 1927 976 - 250 Maximum Web Forces Per Ply (lbs)

(Lumber	Dur.Fa	c.=1.:	25 / Pla	te Dur	.Fac.=1	.25)
TC:	From	62 plf	at	-1.50	to 6	32 plf at	7.0
TC:	From			7.00		31 plf at	23.6
TC:	From			23.67		32 plf at	32.1
	From			-1.50		4 plf at	
	From					20 plf at	
						0 plf at	
						20 plf at	
						4 plf at	
TC:	188 lb	Conc. L	oad	at 7.06	5, 9.06	,11.06,1	3.06
	,15.60						
	208 lb						
	213 lb					0,23.60	
	750 lb						
-		Conc. I	_oad	at 9.06	5,11.06	5,13.06,1	15.06
15.60							
	101 lb						
	83 lb					0	
BC:	710 lb	Conc. I	_oad	at 23.6	4		

Plating Notes

All plates are 3X4 except as noted.

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

Note: Laterally brace bottom chord above filler at 2'0" O.C.Max. including a lateral brace at chord ends.

vvebs	rens.comp.	vvebs	rens. Comp.	
C -AB	931 - 30	E-S	2734 - 585	
C -AA	294 - 1684	G-S	288 - 668	
AA- D	1384 - 161	S-H	288 - 1740	
D - Z	454 - 2281	R-H	1099 - 101	
Y - Z	569 - 1959	M - L	781 - 203	
Y - E	610 - 2110	L-I	205 - 679	
Z - X	243 - 1634			

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SEQN: 14736 HIPS Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T29 FROM: Qty: 1 1845F DrwNo: 336.22.1430.32207 Truss Label: C02 KD / YK 12/02/2022 14'1"12 30'8" 21'8' Bracing 4 3 =5X5 =3X4(A1) () ≡3X4 |||2X4(**)

1."12

74'3"8

1'9"

16'0"8

5'1"12

14'1"12

	1	T	T
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.263 M 746 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.534 M 368 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.055 F
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.113 F
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.806
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.771
Spacing: 24.0 "	C&C Dist a: 3.07 ft	Rep Fac: Yes	Max Web CSI: 0.704
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15

CLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
CDL: 10.00	Speed: 130 mph	•	VERT(LL): 0.263 M 746 240
CLL: 0.00 CDL: 10.00	Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Snow Duration: NA	VERT(CL): 0.534 M 368 180 HORZ(LL): 0.055 F
es Ld: 40.00 CBCLL: 10.00 offit: 2.00 oad Duration: 1.25 oacing: 24.0 "	Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.07 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014	HORZ(TL): 0.113 F Creep Factor: 2.0 Max TC CSI: 0.806 Max BC CSI: 0.771 Max Web CSI: 0.704
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15
umber			

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw / U /RL 504 /-/284 /115 /139 1530 /-/-/818 /199 /-661 /431 /159 Wind reactions based on MWFRS Brg Wid = 3.5 Min Req = 1.5 (Truss) Brg Wid = 3.5 Min Req = 1.5 (Truss) Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings A, U, & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

1'1"3 1"12 27'3"8

1'0"8

28'4"

29'5"3

5'7"8

27'1"12

21'6"4

1"12 17'6"4

1'6"

1'2"13

30'8"

A - B	230	- 451	D-E	367	- 668
B - C	481	0	E-F	365	- 661
C - D	407	Λ			

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

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

All plates are 2X4 except as noted.

Top chord: 2x4 SP M-31; T2 2x4 SP #2;

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

Purlins

In lieu of structural panels use purlins to brace all flat

Wind

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

Wind loading based on both gable and hip roof types.

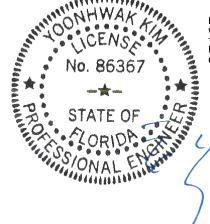
Note: Laterally brace bottom chord above filler at 2'0" O.C.Max. including a lateral brace at chord ends.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	Comp.	Chords	Tens. (Comp.
T-S	841	- 217	N - L	526	- 196
S-O	601	- 223	H-F	508	- 291
O - N	534	- 194			

Maximum Web Forces Per Ply (lbs)

webs ren	a.comp.	VV CD3	rens.	Comp.
	35 - 816 07 - 456	T - U T - D		- 945 - 1127



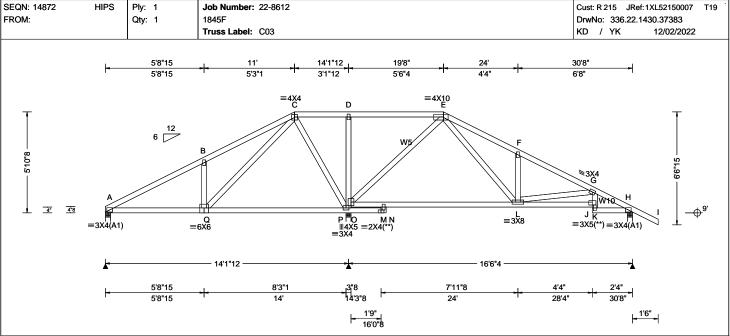
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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.047 M 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.151 M 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.010 G
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.021 G
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.386
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.702
Spacing: 24.0 "	C&C Dist a: 3.07 ft	Rep Fac: Yes	Max Web CSI: 0.647
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15
Lumber	•	•	•

)	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
)	Α	453	/-	/-	/250	/104	/165
	Р	1588	/-	/-	/875	/214	/-
	Н	661	/-	/-	/454	/150	/-
	Wir	nd read	tions ba	sed on	MWFRS		
	Α	Brg V	Vid = 3.5	Min	Req = 1.5	(Truss	s)
	Р	Brg V	Vid = 3.5	Min	Req = 1.5	(Truss	s)
	Н	Brg V	Vid = 3.5	Min	Req = 1.5	(Truss	s)
	Bea	arings A	A, P, & H	l are a ı	rigid surfa	ce.	
	Mei	mbers	not listed	d have f	orces less	than 3	375#
_	Max	ximum	Top Ch	ord Fo	rces Per	Ply (lb:	s)
	Cho	ords T	ens.Con	np.	Chords	Tens.	Comp.

Non-Gravity

▲ Maximum Reactions (lbs) Gravity

A - B E-F 224 - 614 389 - 766

Plating Notes

Top chord: 2x4 SP #2;

All plates are 2X4 except as noted.

Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; W5,W10 2x4 SP M-31;

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

Purlins

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

Wind

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

Wind loading based on both gable and hip roof types.

Note: Laterally brace bottom chord above filler at 2'0" O.C.Max. including a lateral brace at chord ends.

B - C	338	- 614	F-G	293	- 762
C - D	415	0	G - H	299	- 879
D - E	422	0			

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 495 - 165 1016 - 289 O - M410 - 64 K-H 745 - 208

Maximum Web Forces Per Ply (lbs)

/vebs	Tens.Comp.	Webs	Tens. Comp.
3 - Q	233 - 385	0 - E	279 - 783
2 - C	727 - 229	E-L	693 - 145
C - P	172 - 617	L-G	146 - 386
-0	485 - 873		

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PKIN * PKIN



SEQN: 14812 HIPS Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T14 Ply: 2 FROM: Qty: 1 1845F DrwNo: 336.22.1430.56123 Truss Label: C04 KD / YK 12/02/2022 2 Complete Trusses Required 6'6"7 12'3"8 30'8" 21'5"8 5'2"8 6'6"7 5'9"1 3'1' Bracing :7X8 **∉6**Σ6 W6 4*8 N ∥2X4 M ≡3X₄ K ≡10X10 J ∥4X8 =3X4(A1) **∥3X10** Uplift 14'1"12 16'6"4 1'6" 6'4"11 5'10"13 1'10"4 3'10"4 5'0"12 6'4"11 14'1"12 18'2"12 21'9" 30'8

Loading	Criteria (psf)	Wind
TCLL:	20.00	Wind
TCDL:	10.00	Spee
BCLL:	0.00	Enclo
BCDL:	10.00	Risk
Des Ld:	40.00	EXP: Mear
NCBCLL	: 0.00	TCDI
Soffit:	2.00	BCDI
Load Du	ration: 1.25	MWF
Spacing:	24.0 "	C&C

d Criteria Std: ASCE 7-16 ed: 130 mph osure: Closed Category: II Kzt: NA n Height: 15.00 ft L: 5.0 psf L: 5.0 psf RS Parallel Dist: 0 to h/2 Dist a: 3.07 ft Loc. from endwall: not in 9.00 ft

GCpi: 0.18

Wind Duration: 1.60

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

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
١٨/٨١/١٦

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

VERT(LL): 0.088 I 999 240 VERT(CL): 0.175 I 999 180 HORZ(LL): 0.021 D HORZ(TL): 0.041 D Creep Factor: 2.0

Max TC CSI: 0.717 Max BC CSI: 0.503 Max Web CSI: 0.859

VIEW Ver: 21.02.01.1216.15

▲ Maximum Reactions (lbs) Gravity

A - B

Clavity				INDIT-Clavity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Α	_	/-956	/-	/121	/-	/-
L	9804	/-	/-	/-	/1471	/-
G	4657	/-	/-	/-	/880	/-
Wir	nd read	tions ba	sed on M	IWFRS		
Α	Brg V	/id = 3.5	Min R	eq = 1.5	(Truss	i)
L	Brg V	/id = 3.5	Min R	eq = 4.1		
G	Brg V	/id = 3.5	Min R	eq = 1.9	(Truss	i)

Non-Gravity

133

-918

Bearings A, L, & G 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.

V	٧	О	ZX4	

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W5,W6 2x4 SP #2; W8 2x4 SP M-31; **Bracing**

(a) Continuous lateral restraint equally spaced on

member Nailnote

Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @ 4.25" o.c. Webs : 1 Row @ 4" o.c.

BC: 1493 lb Conc. Load at 27.60

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 20 plf at 0.00 to 62 plf at 20 plf at BC: From 0.00 to 14.15 BC: From 10 plf at 14.15 to 10 plf at 27.60 BC: From 20 plf at 27.60 to 20 plf at 30.67 BC: From 4 plf at 30.67 to BC: 1751 lb Conc. Load at 15.60 4 plf at 30.67 to 4 plf at 32 17 BC: 1658 lb Conc. Load at 17.60,19.60,25.60 BC: 1501 lb Conc. Load at 21.60,23.60

Purlins

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

Wind

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

Additional Notes

Negative reaction(s) of -956# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.



B - C	1391	- 247	E-F	424	- 2472
C - D	1384	- 250	F-G	756	- 4204

D-E

Maximum Bot Chord Forces Per Ply (lbs)

1166 - 187

Chorus	rens.comp.	Chorus	rens. Comp.	
A - N	151 - 1027	K - J	2066	- 348
N - M	151 - 1029	J-1	3684	- 658
M - L	210 - 1216	I-G	3736	- 667
L-K	798 - 110			

Maximum Web Forces Per Ply (lbs)

webs	Tens.Comp.	webs	Tens. Comp.		
C-L	139 - 579	E-J	2415 - 428		
L - D	634 - 3781	J - F	349 - 1811		
D - K	3362 - 525	F-I	1651 - 290		
K - E	418 - 2230				

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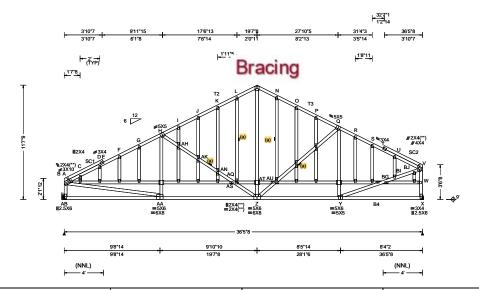
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SEQN: 14609 GABL Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T66 FROM: 1845F DrwNo: 336.22.1431.09760 Qty: 1 Truss Label: D01 KD / YK 12/02/2022



1	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
ŀ	TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
ŀ	TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.160 F 999 240
1	BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.324 F 999 180
1	BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.069 F
	Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.140 F
	NCBCLL: 10.00	Mean Height: 15.73 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
1	Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.764
	Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.842
1	Spacing: 24.0 "	C&C Dist a: 3.65 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.720
1		Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
1		GCpi: 0.18	Plate Type(s):	
1		Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15

Lumber

Top chord: 2x4 SP M-31; T2,T3 2x4 SP #2; Bot chord: 2x4 SP M-31; B4 2x4 SP #2; Webs: 2x4 SP #3; Stack Chord: SC1 2x4 SP #2; Stack Chord: SC2 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 31 plf at 10 plf at 0.00 to 0.00 to 31 plf at 10 plf at 36.46 36.46 TC: From BC: From 86 lb Conc. Load at 1.94, 3.94, 5.94, 7.94 9.94,11.94,13.94,15.94,17.94,19.94,21.94,23.94 25.94,27.94,29.94,31.94,33.94,35.94

Plating Notes

All plates are 2X4 except as noted.

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

Hangers / Ties

(J) Hanger Support Required, by others

Wind

Wind loads and reactions based on MWFRS.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

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



AB 149	3 /- /-	/-	/349 /-	
X 155	3 /- /-	/-	/367 /-	
Wind rea	actions based o	n MWFRS		
AB Brg	Wid = - Mi	n Req = -		
X Brg	Wid = - Mi	n Req = -		
Member	s not listed have	e forces les	s than 375#	
Maximu	m Top Chord I	Forces Per	Ply (lbs)	
Chords	Tens.Comp.	Chords	Tens. Comp.	
A - C	511 - 2152	L - M	357 - 1480	_
C-D	509 - 2145	M - N	357 - 1482	
D-E	514 - 2159	N - O	357 - 1491	
E-F	503 - 2131	0-P	359 - 1495	
F-G	501 - 2126	P-Q	369 - 1518	
G-H	488 - 2091	Q - R	399 - 1692	
H-I	382 - 1554	R-S	411 - 1720	
l - J	362 - 1503	S-T	402 - 1696	
J-K	360 - 1497	T - U	413 - 1724	
K-L	358 - 1495	U - V	403 - 1697	

Non-Gravity

/RL

/Rw /U

▲ Maximum Reactions (lbs) Gravity

/Rh

Loc R+

Maximum Bot Chord Forces Per Ply (lbs)

Cnoras	rens.Comp.		Cnords	oras Tens. Cor	
ΔΔ- 7	1562	- 353	7 - Y	1105	- 258

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Ťens.	Comp.
B-AB	330	- 1317	Z -AU	128	- 415
B -AA	1507	- 340	AT- Z	1184	- 273
H -AH	159	- 681	AT-AU	457	- 160
AH-AK	151	- 661	Y -BG	1244	- 265
AK-AN	156	- 674	BG-BI	1577	- 379
AN-AQ	164	- 695	BI-BJ	1597	- 386
AQ-AS	460	- 160	BJ- V	1589	- 383
AQ- Z	234	- 833	W - V	327	- 1328
AS-AT	460	- 160	W - X	334	- 1347
M -AT	1187	- 276			

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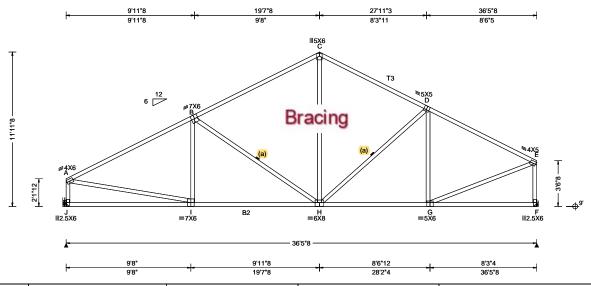
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SEQN: 14596 SPEC Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T27 FROM: DrwNo: 336.22.1431.12480 Qty: 3 1845F Truss Label: D02 KD / YK 12/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.086 H 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.160 H 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.025 F
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.047 F
NCBCLL: 10.00	Mean Height: 16.05 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.830
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.858
Spacing: 24.0 "	C&C Dist a: 3.65 ft	Rep Fac: Yes	Max Web CSI: 0.724
-	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15

▲ Ma	▲ Maximum Reactions (lbs)							
	G	ravity		N	on-Grav	/ity		
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL		
J ·	1658	/-	/-	/877	/263	/256		
F	1669	/-	/-	/840	/270	/-		
Wind	d reac	tions bas	sed on	MWFRS				
J	Brg W	/id = -	Min	Req = -				
F	Brg W	/id = -	Min	Req = -				
Mem	bers	not listed	have	forces les	s than 3	375#		
Max	imum	Top Ch	ord F	orces Per	Ply (lb:	s)		
Cho	rds T	ens.Con	np.	Chords	Tens.	Ćomp.		
A - E	3	467 - 22	289	C-D	490	- 1658		
B - C		485 - 16	586	D-E	401	- 1849		

Lumber

Top chord: 2x4 SP M-31; T3 2x4 SP #2; Bot chord: 2x4 SP #2; B2 2x4 SP M-31; Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on

Hangers / Ties

(J) Hanger Support Required, by others

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

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 1945 - 389 1574

Maximum Web Forces Per Ply (lbs)

AA GD2	rens.comp.	MEDS	i elis.	comp.
A - J	366 - 1585	C-H	848	- 150
A - I	1901 - 298	G-E	1649	- 282
B - H	250 - 694	E-F	370	- 1607



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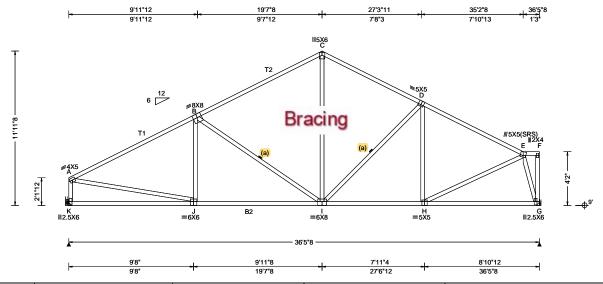
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

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

SEQN: 14594 SPEC Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T72 FROM: Qty: 1 1845F DrwNo: 336.22.1431.15487 Truss Label: D03 KD / YK 12/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.068 B 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.139 B 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.023 G
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 16.05 ft		HORZ(TL): 0.047 G
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.671
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.814
Spacing: 24.0 "	C&C Dist a: 3.65 ft	Rep Fac: Yes	Max Web CSI: 0.631
	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: 21.02.01.1216.15

▲ Ma	▲ Maximum Reactions (lbs)							
	G	ravity		N	on-Grav	/ity		
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL		
K '	1501	/-	/-	/878	/260	/256		
G ′	1501	/-	/-	/822	/273	/-		
Wind	d reac	tions bas	sed on	MWFRS				
K	Brg W	/id = -	Min	Req = -				
G	Brg W	/id = -	Min	Req = -				
Mem	bers	not listed	l have	forces les	s than 3	375#		
Max	imum	Top Ch	ord Fo	orces Per	Ply (lb	s)		
Chor	rds T	ens.Con	٦p.	Chords	Tens.	Comp.		
A - B	3	464 - 20)24	C-D	489	- 1455		
B - C	;	482 - 14	197	D - E	410	- 1631		

Lumber

Top chord: 2x4 SP #2; T1,T2 2x4 SP M-31; Bot chord: 2x4 SP #2; B2 2x4 SP M-31; Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on

Hangers / Ties

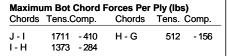
(J) Hanger Support Required, by others

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

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



Maximum Web Forces Per Ply (lbs)

vvens	rens.comp.	MEDS	i elis.	Comp.
A - K A - J B - I	364 - 1420 1656 - 295 250 - 615	C-I H-E E-G	727 957 521	- 154 - 146 - 1637



FL REG# 278, Yoonhwak Kim, FL PE #86367 Flora (1999) Florate of Product Approval #FL 1999

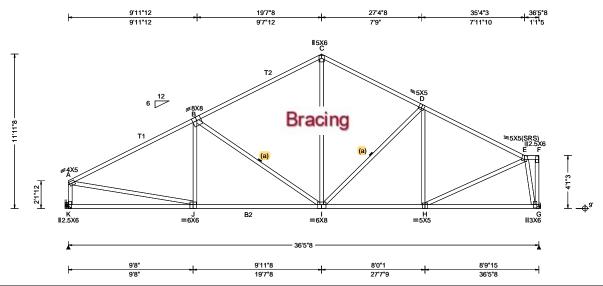
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SEQN: 14591 SPEC Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T71 FROM: Qty: 1 1845F DrwNo: 336.22.1431.18730 Truss Label: D04 KD / YK 12/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.068 B 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.139 B 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.023 G
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 16.05 ft		HORZ(TL): 0.047 G
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.684
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.813
Spacing: 24.0 "	C&C Dist a: 3.65 ft	Rep Fac: Yes	Max Web CSI: 0.631
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15

▲ M	laxim	um Rea	ections	(lbs)		
	(avity		N	on-Grav	/ity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
ĸ	1501	/-	/-	/878	/261	/256
G	1501	/-	/-	/824	/273	/-
Wir	nd rea	ctions b	ased on	MWFRS		
Κ	Brg \	Vid = -	Mir	n Req = -		
G	Brg \	Vid = -	Mir	n Req = -		
Mei	mbers	not list	ed have	forces les	s than 3	375#
Max	kimun	n Top (Chord F	orces Per	Ply (lb	s)
Cho	ords ⁻	Tens.Co	omp.	Chords	Tens.	Comp.
Α-	R	464 -	2024	C-D	489	- 1457
٠.	_					
В-	C	483 -	1498	D - E	410	- 1631

Lumber

Top chord: 2x4 SP #2; T1,T2 2x4 SP M-31; Bot chord: 2x4 SP #2; B2 2x4 SP M-31; Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

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

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

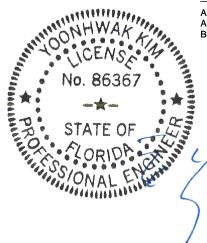
End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 1710 -408 474 1374 - 283

Maximum Web Forces Per Ply (lbs)

vveus	rens.comp.	WEDS	i ens. t	comp.
A - K A - J B - I	365 - 1420 1656 - 296 250 - 614	C-I H-E E-G	727 994 534	



FL REG# 278, Yoonhwak Kim, FL PE #86367 Flora De Constitute of Product Approval #FL 1999

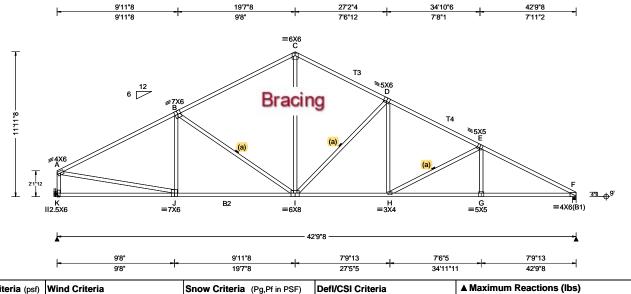
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SEQN: 14809 SPEC Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T17 FROM: DrwNo: 336.22.1431.21293 Qty: 1 1845F Truss Label: D05 KD / YK 12/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (II	bs)
_ " '		Pa: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.164 H 999 240	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.338 H 999 180	K 1751 /- /-	/1009 /32 /314
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.060 F	F 1761 /- /-	/1064 /31 /-
Dec I d: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.124 F	Wind reactions based on M	,
NCBCLL: 10.00	Mean Height: 15.17 ft	Building Code:	Creep Factor: 2.0	K Brg Wid = - Min F	Req = -
0-454	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.800	F Brg Wid = 3.5 Min F	
I	BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.846	Bearing F is a rigid surface	
		Rep Fac: Yes	Max Web CSI: 0.770	Members not listed have for	
opasg. 2	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		Maximum Top Chord For	
		Plate Type(s):		Chords Tens.Comp.	Chords Tens. Comp
	145 LD 6 4.00	WAVE	VIEW Ver: 21.02.01.1216.15		D-E 658 - 262
		1*****	1	JB-C 593-1972 F	E-F 713-328

Lumber

Top chord: 2x4 SP M-31; T3,T4 2x4 SP #2; Bot chord: 2x4 SP #2; B2 2x4 SP M-31; Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

B - C 593 - 1972 C-D 602 - 1926

Chords Tens.Comp.

Maximum Bot Chord Forces Per Ply (lbs)

2073 - 361 H-G 2848 - 551 I - H G-F 2850 2238 - 354 - 550

Tens. Comp.

713 - 3288

658 - 2624

Chords

Maximum Web Forces Per Ply (lbs)

vvebs	rens.comp.	vvebs	rens. Comp.		
A - K	420 - 1669	I-D	293	- 873	
A - J	2021 - 380	D - H	541	- 37	
B - I	233 - 539	H - E	240	- 677	
C-I	1113 - 247				



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

SEQN: 14259 COMN Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T12 FROM: DrwNo: 336.22.1431.30180 1845F Qty: 1 Truss Label: D07 KD / YK 12/02/2022 14'1" 2'10"1 29'2 35'0"1 41'2" 5'9"3 5'5"11 6'1"4 5'10' 6'1"15 Bracing ≅6X8 **∌**3X4 **≷3X4** 4"8 OP s R ≡4X16 ___L ≡8X16 **∥2.5**X6 В1 **=**4X5

6'10"12

2'2"5 29'3"5

5'10"7

7'0"8

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Γ
TCLL: 20.00 TCDL: 10.00	Wind Std: ASCE 7-16 Speed: 130 mph	3	PP Deflection in loc L/defl L/# VERT(LL): 0.172 N 999 240	l,
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.172 N 999 240 VERT(CL): 0.350 N 999 180	1
BCDL: 10.00	Risk Category: II EXP: C Kzt: NA	Snow Duration: NA	HORZ(LL): 0.074 I HORZ(TL): 0.151 I	١
Des Ld: 40.00 NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	;
Soffit: 2.00 Load Duration: 1.25	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. TPI Std: 2014	Max TC CSI: 0.756 Max BC CSI: 0.648	!
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h C&C Dist a: 4.12 ft	Rep Fac: Yes	Max Web CSI: 0.847	!
	Loc. from endwall: not in 13.00 ft GCpi: 0.18	FT/RT:20(0)/10(0) Plate Type(s):		2
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15] {

131112

6'8"5

Lumber

Top chord: 2x4 SP #2;

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

Bracing

(a) Continuous lateral restraint equally spaced on

Plating Notes

All plates are 2X4 except as noted.

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

Wind

Wind loads based on MWFRS with additional C&C

Left end vertical exposed to wind pressure. Deflection meets L/360

Wind loading based on both gable and hip roof types.

Note: Laterally brace bottom chord above filler at 2'0" O.C.Max. including a lateral brace at chord ends.

▲ Maximum Reactions (lbs)

6'0"3

Gravity				Non-Gravity			
Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL	
Т	1695	/-	/-	/955	/30	/316	
1	1812	/-	/-	/1122	/87	/-	
Wir	nd reac	tions bas	sed on MV	VFRS			
Т	Brg W	/id = 5.5	Min Re	q = 2.0	(Truss	i)	
1	Brg W	/id = 3.5	Min Re	q = 1.5	(Truss	i)	

1'6"

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

Chords	Tens.Comp.	Chords	Tens. Comp.		
A - B	553 - 1777	E-F	880	- 2623	
B - C	694 - 1988	F-G	959	- 2810	
C-D	780 - 1933	G-H	799	- 2768	

819 - 3198

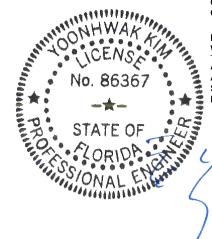
Maximum Bot Chord Forces Per Ply (lbs)

880 - 2623

Chords	Tens.Comp.		Chords	Tens. Comp.		
S-R	1556	- 333	M - L	2503	- 465	
R - Q	1872	- 362	L-K	2780	- 633	
Q - O	1926	- 365	K-I	2781	- 632	
O - M	2557	- 468				

Maximum Web Forces Per Ply (lbs)

vvebs	rens.Comp.	vvebs	rens. (Jomp.
A - T	487 - 1645	0 - F	893	- 207
A - S	1682 - 472	G-L	269	- 447
S - B	265 - 629	L-H	137	- 417
D - O	1227 - 270			



FL REG# 278, Yoonhwak Kim, FL PE #86367 Flood De Control of Product Approval #FL 1999

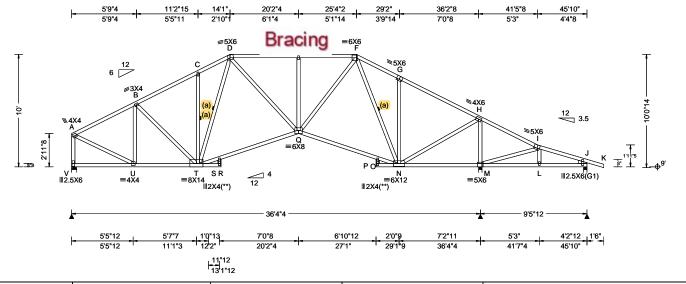
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SEQN: 10486 COMN Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T61 FROM: 1845F DrwNo: 336.22.1432.10220 Qty: 4 Truss Label: D09 / YK 12/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	Ī
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.107 R 999 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.281 R 999 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.046 N	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.096 N	
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.616	
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.894	
Spacing: 24.0 "	C&C Dist a: 4.58 ft	Rep Fac: Yes	Max Web CSI: 0.735	
-	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 22.01.01A.0520.12	

▲ N	▲ Maximum Reactions (lbs)						
	Gravity Non-Gravity						
Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL	
٧	1453	/-	/-	/857	/38	/257	
М	2229	/-	/-	/1295	/112	/-	
J	291	/-	/-	/156	/51	/-	
Wir	nd read	tions ba	sed on M	WFRS			
٧	Brg W	Vid = 5.5	Min R	eq = 1.7	(Truss	s)	
М	Brg V	Vid = 3.5	Min R	eq = 2.6	(Truss	s)	
J	J Brg Wid = 3.5 Min Reg = 1.5 (Truss)						
Bearings V, M, & J are a rigid surface.							
Members not listed have forces less than 375#							
Max	Maximum Top Chord Forces Per Ply (lbs)						
Cho	ords T	ens.Cor	np. C	hords	Tens.	Comp.	

468 - 1503 A - B E - F - 1905 B - C 600 - 1614 F-G 574 - 1155 C-D 699 - 1569 442 - 1185 G-H - 162

Lumber

Top chord: 2x4 SP #2;

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

Rt Stub Wedge: 2x4 SP #3;

(a) Continuous lateral restraint equally spaced on member

Plating Notes

All plates are 2X4 except as noted.

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

Purlins

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

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

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



Chords Tens.Comp. Chords Tens. Comp. U - T 1306 - 310 Q - O 1310 - 234 T-S 1464 - 321 O - N 1260 - 230 S-Q 1516 - 324 N - M 243 - 449

Maximum Web Forces Per Ply (lbs)

webs	Tens.Comp.	Webs	Tens. Co.	mp.
A - V	445 - 1404	F-N	175 -	711
A - U	1410 - 396	N - G	257 -	377
U - B	225 - 505	N - H	1591 -	410
D - Q	734 - 177	H - M	638 - 1	970
E-Q	304 - 384	M - I	194 -	500
Q - F	1133 - 321			

FL REG# 278, Yoonhwak Kim, FL PE #86367 Florida (2020) Floridate of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

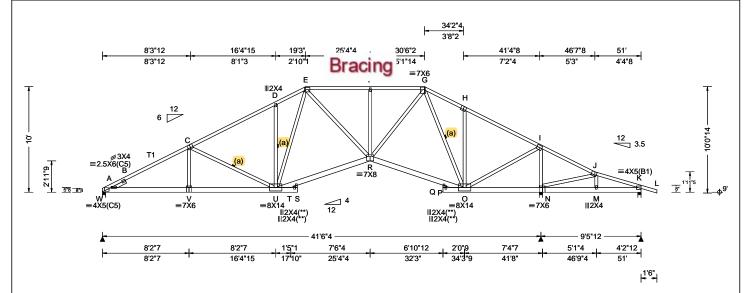
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PROMINE PROMINE



SEQN: 14748 COMN Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T41 FROM: 1845F DrwNo: 336.22.1432.18780 Qty: 1 Truss Label: D10 KD / YK 12/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Ι
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.130 S 999 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.268 S 999 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.046 O	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.096 O	
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.780	
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.258	
Spacing: 24.0 "	C&C Dist a: 5.10 ft	Rep Fac: Yes	Max Web CSI: 0.801	
' "	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15	l
Lumber	•	•		•

▲ Maximum Reactions (lbs)						
	G	ravity		No	n-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
w	1652	/-	/-	/1027	/52	/280
N	2546	/-	/-	/1457	/55	/-
K	242	/-104	/-	/140	/68	/-
Wir	nd read	tions ba	sed on I	MWFRS		
W	Brg V	Vid = 3.5	Min F	Req = 1.5	(Trus	s)
N	Brg V	Vid = 3.5	Min F	Req = 2.1	(Trus	s)
K	Brg V	Vid = 3.5	Min F	Req = 1.5	(Trus	s)
Bearings W, N, & K are a rigid surface.						
Members not listed have forces less than 375#						
Maximum Top Chord Forces Per Ply (lbs)						
Cho	ords T	ens.Cor	np. (Chords	Tens.	Comp.

F-G

G-H

H - I

880 - 2287

600 - 1239

463 - 1269

976

601

- 268

- 261

Top chord: 2x4 SP #2; T1 2x4 SP M-31; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; Lt Slider: 2x4 SP #3; block length = 1.500'

(a) Continuous lateral restraint equally spaced on member

Plating Notes

All plates are 5X6 except as noted.

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

Purlins

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

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

Wind loading based on both gable and hip roof types.

Additional Notes

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

Note: Laterally brace bottom chord above filler at 2'0" O.C.Max. including a lateral brace at chord ends.



Maximum Bot Chord Forces Per Ply (lbs)

927 - 3070

852 - 2999

774 - 2290

913 - 2236

880 - 2287

A - B

B - C

C-D

D-E

F - F

Tens.Comp.		Chords	Tens. (Comp.
2624	- 704	P-0	1434	- 284
2620	- 705	O - N	331	- 671
1930	- 463	N - M	283	- 578
1983	- 465	M - K	285	- 564
1485	- 284			
	2624 2620 1930 1983	2624 - 704 2620 - 705 1930 - 463	2624 - 704 P - O 2620 - 705 O - N 1930 - 463 N - M 1983 - 465 M - K	2624 - 704 P - O 1434 2620 - 705 O - N 331 1930 - 463 N - M 283 1983 - 465 M - K 285

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens.	Comp.
C-U	271		G - O	257	- 951
D - U	284	- 386	O - H	267	- 381
E - R	639	- 154	0 - 1	1930	- 528
F-R	306	- 376	I - N	749	- 2289
R - G	1476	- 431	N - J	172	- 450

FL REG# 278, Yoonhwak Kim, FL PE #86367 Florance of Product Approval #FL 1999

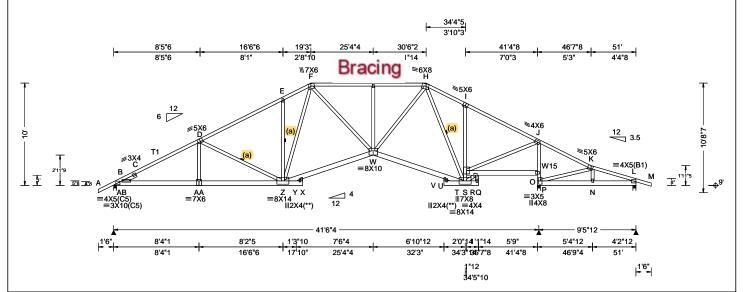
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 14243 COMN Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T60 FROM: 1845F DrwNo: 336.22.1432.23360 Qty: 5 Truss Label: D11 KD / YK 12/02/2022



				┰
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	l
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	ı
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.158 X 999 240	l
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.323 X 999 180	l
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.082 S	l
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.167 S	ı
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	ı
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.791	ı
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.282	l
Spacing: 24.0 "	C&C Dist a: 5.10 ft	Rep Fac: Yes	Max Web CSI: 0.754	ı
Opasg. 2		FT/RT:20(0)/10(0)		ı
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15	1
Lumber				-

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL AB 1784 /-/1134 /69 /296 2333 /-/1329 /28 O /-/-365 /242 /63 Wind reactions based on MWFRS AB Brg Wid = 3.5 Min Req = 1.5 (Truss) Brg Wid = 3.5Min Req = 1.9 (Truss) Brg Wid = 3.5Min Req = 1.5 (Truss) Bearings AB, O, & L are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 869 - 3092 - 2377 G - H 931

H - I

I-J

.I - K

695 - 1446

565 - 1501

588

1605

1558

319 - 1359

Tens. Comp.

-58

- 349

- 349

(a) Continuous lateral restraint equally spaced on member

Top chord: 2x4 SP #2; T1 2x4 SP M-31; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W15 2x4 SP M-31;

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

Plating Notes

All plates are 2X4 except as noted.

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

Purlins

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

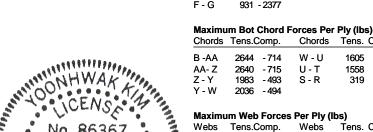
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

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

Note: Laterally brace bottom chord above filler at 2'0" O.C.Max. including a lateral brace at chord ends.



C-D

D-E

F-F

865 - 3025

801 - 2344

939 - 2289

Webs	Tens.Comp.	Webs	Tens.	Comp.
D - Z E - Z	235 - 730 282 - 385	S-J R-Q	1738 32	- 409 - 462
F-W	691 - 191	J - P	593	- 1936
W - H	1404 - 411	P-0	609	- 2177
H - T	197 - 786	0 - K	183	- 511
T - R	1400 - 318			

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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

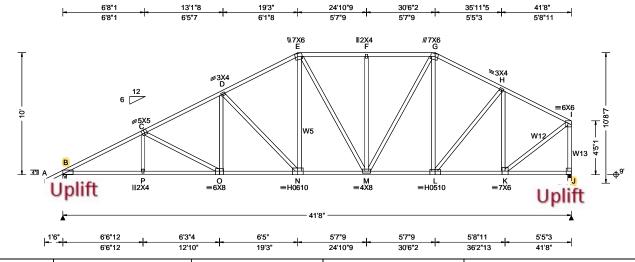
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 14410 COMN Ply: 2 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T65 FROM: 1845F DrwNo: 336.22.1432.34473 Qty: 1 Truss Label: D12 KD / YK 12/02/2022

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.210 N 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.414 N 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.082 K
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.161 K
NCBCLL: 0.00	Mean Height: 0.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 2.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.358
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.830
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.786
' "	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 21.02.01.1216.15

Lumber

Top chord: 2x4 SP M-31; Bot chord: 2x4 SP M-31; Webs: 2x4 SP #3; W5,W13 2x4 SP #2;

W12 2x4 SP M-31;

Nailnote

Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @ 6.75" o.c. :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 -1.50 to 62 plf at 62 plf at 41.67 BC: From 4 plf at -1.50 to 4 plf at 0.00 BC: From BC: From 20 plf at 0.00 to 20 plf at 16 60 BC: From 10 plf at 16.60 to 10 plf at 41.6 BC: 720 lb Conc. Load at 16.60,18.60,20.60,22.60 41.67 24.60,26.60,28.60,30.60,32.60,34.60,36.60,38.60

Purlins

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

Wind

Wind loads and reactions based on MWFRS.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

▲ Maximum Reactions (lbs)

Gravity				Non-Gravity			
Loc	: R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
В	4692	/-	/-	/-	/770	/-	
J	7946	/-	/-	/-	/1245	/-	
Wind reactions based on MWFRS							
В	Brg V	Vid = 3	.5 Min F	Req = 1.9	(Trus	s)	
	_ ~				- :	:	

Brg Wid = 3.5 Min Req = 3.3 (Truss) Bearings B & J are a rigid surface.

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

0110100	rono.comp.	0.10.40	. 0.10.	Oump.	
	743 - 4637	F-G	598	- 3813	
B-C C-D	721 - 4514	G-H	586	- 3678	
D-E	662 - 4154	H - I	502	- 3165	
E-F	598 - 3813				

Maximum Bot Chord Forces Per Ply (lbs)

Cnoras	rens.Comp.		Cnoras	rens. Comp	
B - P	4091	- 647	N - M	3672	- 575
P - O	4092	- 648	M - L	3252	- 509
O - N	3994	- 630	L-K	2833	- 445

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
D - N	80	- 471	L-H	676	- 104
E - N	1413	- 180	H - K	195	- 952
M - G	1115	- 176	K-I	3515	- 550
G-L	491	- 38	I - J	579	- 3596



FL REG# 278, Yoonhwak Kim, FL PE #86367 Florida (2020) Floridate of Product Approval #FL 1999

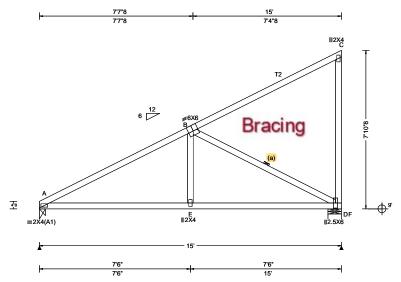
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 14864 MONO Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T23 FROM: DrwNo: 336.22.1432.37737 Qty: 1 1845F Truss Label: D13 KD / YK 12/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	1
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.016 E 999 240 VERT(CL): 0.034 E 999 180 HORZ(LL): 0.008 A HORZ(TL): 0.016 A Creep Factor: 2.0 Max TC CSI: 0.711 Max BC CSI: 0.746 Max Web CSI: 0.302 VIEW Ver: 21.02.01.1216.15	
Lumber				

▲ Maximum Reactions (lbs)								_
	Gravity			-	Non-Gravity			
0	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
0	A	622 610	/- /-	/- /-		/38 /173	/264 /-	
				ر- ased on I		/1/3	/-	
	Α			.5 Min I				
	F	Brg \	Nid = 8	.0 Min I	Req = 1.5	ī (Trus	s)	
		_		re a rigid				
	Mei	mbers	not list	ed have fo	orces less	s than 3	375#	
	Max	ximur	n Top (hord Fo	rces Per	Ply (lb	s)	
	Cho	ords '	Tens.Co	omp.				
	Α-	В	108	- 887				

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

Bracing

(a) Continuous lateral restraint equally spaced on

Wind loads based on MWFRS with additional C&C

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 719 - 369 715 - 370

Maximum Web Forces Per Ply (lbs) Webs

Tens.Comp. 418 -806

FL REG# 278, Yoonhwak Kim, FL PE #86367 Florida (2020) Floridate of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

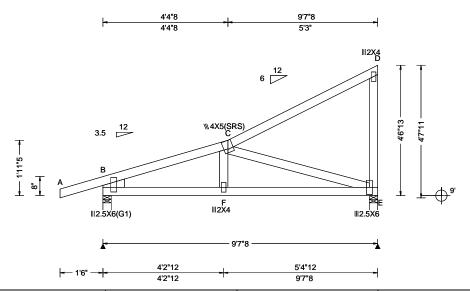
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 14473 SPEC Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T16 FROM: DrwNo: 336.22.1432.39973 Qty: 1 1845F Truss Label: D14 KD / YK 12/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Ţ
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.019 F 999 240 VERT(CL): 0.037 F 999 180 HORZ(LL): -0.007 D - HORZ(TL): 0.014 D -	
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 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	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Creep Factor: 2.0 Max TC CSI: 0.395 Max BC CSI: 0.362 Max Web CSI: 0.408	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15] !

▲ M	aximι	ım Rea	ctions (II	os)			
	Gravity				Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
В	496	/-	/-	/302	/71	/179	
Е	387	/-	/-	/274	/58	/-	
Win	d read	tions ba	ased on N	/WFRS			
В	Brg V	/id = 3.	5 Min F	Req = 1.5	(Trus	s)	
Ε	Brg W	/id = 3.	5 Min F	Req = 1.5	(Trus	s)	
Bea	rings l	3 & E a	re a rigid	surface.			
Men	nbers	not liste	ed have fo	rces less	s than	375#	
Maximum Top Chord Forces Per Ply (lbs)							
Cho	Chords Tens.Comp.						
B - 0	2	350	702				

Lumber Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Lt Stub Wedge: 2x4 SP #3;

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

Right end vertical exposed to wind pressure. Deflection meets L/360.

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 634 - 511 626 - 516

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. C-E 496 - 656



FL REG# 278, Yoonhwak Kim, FL PE #86367 Flora (1999) Florate of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

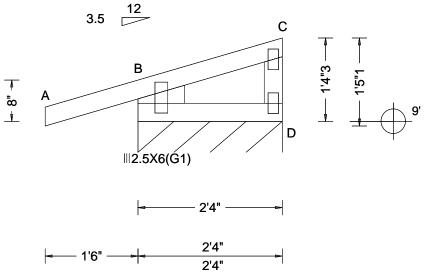
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SEQN: 14098 GABL Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T9 FROM: Qty: 1 1845F DrwNo: 336.22.1432.41933 Truss Label: D15 KD / YK 12/02/2022



	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
	TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
	TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
	BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
	BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 B
	Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 C
	NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
	Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.148
	Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.041
	Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.045
	-	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
		GCpi: 0.18	Plate Type(s):	
Wind Duration: 1.60		WAVE	VIEW Ver: 21.02.01.1216.15	
	Lumbor			

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL D* 123 /-/-/80 /16 Wind reactions based on MWFRS D Brg Wid = 28.0 Min Req = Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Lt Stub Wedge: 2x4 SP #3;

Plating Notes

All plates are 2X4 except as noted.

Wind loads based on MWFRS with additional C&C

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367 Flora (2020 Ficate of Product Approval #FL 1999

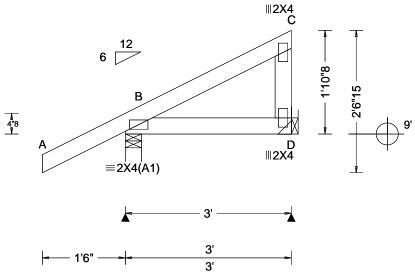
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 14416 MONO Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T24 FROM: Qty: 18 1845F DrwNo: 336.22.1432.44757 Truss Label: E01 KD / YK 12/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 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 B
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.001 B
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.250
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.062
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.063
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15
Lumbor	·		

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 262 /190 /42 /73 86 /-/57 /25 Wind reactions based on MWFRS Brg Wid = 3.5Min Reg = 1.5 (Truss) Brg Wid = -Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumbe

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

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367 Flora De Contracte of Product Approval #FL 1999

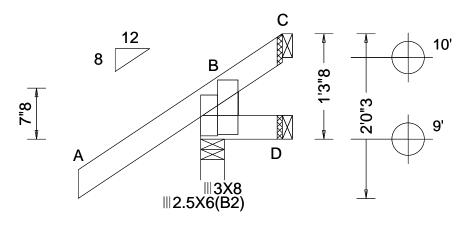
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SEQN: 14839 JACK Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T36 FROM: Qty: 4 1845F DrwNo: 336.22.1432.47250 Truss Label: J01 KD / YK 12/02/2022





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 B
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.001 B
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.261
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.037
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
' "	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 223 /-/185 /53 D /-18 /-/16 /18 /-5 /-/-18 /21 /28 Wind reactions based on MWFRS Brg Wid = 3.5 Min Req = 1.5 (Truss) Brg Wid = 1.5 Brg Wid = 1.5 Min Req = -Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Lt Wedge: 2x4 SP #3;

Wind

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

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367 Flora De Contracte of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

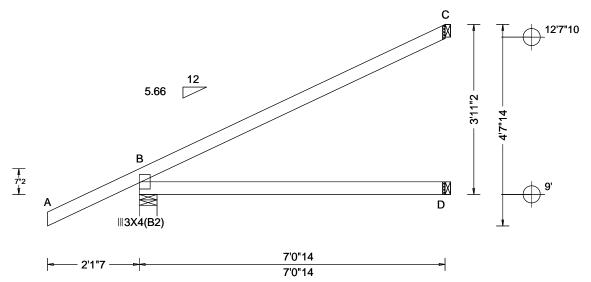
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SEQN: 14843 HIP_ Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T40 FROM: DrwNo: 336.22.1432.51367 Qty: 2 1845F Truss Label: J01HJ KD / YK 12/02/2022



l laaa . l		DefI/CSI Criteria
BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf BCDL: 5.0 psf SCDL: 5.0 psf Loc. from endwall: NA GCpi: 0.18	Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.006 B HORZ(TL): 0.012 B Creep Factor: 2.0 Max TC CSI: 0.793 Max BC CSI: 0.322 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1216.15

▲ Maximum Reactions (lbs)						
	G	ravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	308	/-	/-	/-	/65	/-
D	81	/-	/-	/34	/-	/-
С	225	/-	/-	/-	/80	/-
Win	d read	ctions b	ased on N	MWFRS		
В	Brg V	Vid = 4	.9 Min F	Req = 1.5	(Trus	s)
D	Brg V	Vid = 1	.5 Min F	. = eq	•	•
			.5 Min F			
Bearing B is a rigid surface.						
Mer	nbers	not list	ed have fo	rces les	s than	375#
		- /				

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

Hipjack supports 5-0-0 setback jacks with no webs.

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367 Flood (2020) Ficate of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

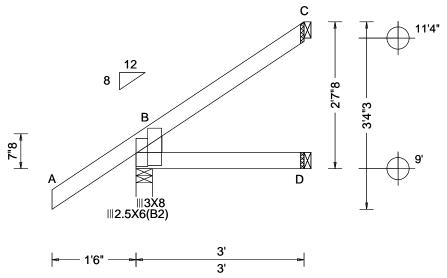
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 14841 JACK Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T35 FROM: Qty: 4 1845F DrwNo: 336.22.1432.55540 Truss Label: J02 KD / YK 12/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 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 B
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.002 B
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.261
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.073
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15
Lumber	•		

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 255 /191 /100 D 53 /-/34 73 /52 /46 Wind reactions based on MWFRS Brg Wid = 3.5 Min Req = 1.5 (Truss) Brg Wid = 1.5 Min Req = -Brg Wid = 1.5 Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375#

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Lt Wedge: 2x4 SP #3;

Wind

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

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367 Flora De 2020 icate of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

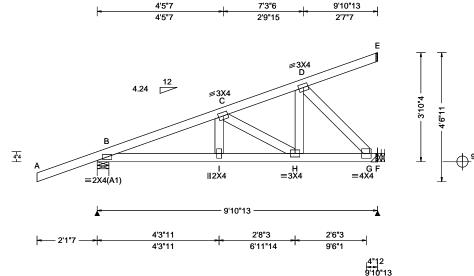
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SEQN: 14653 HIP_ Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 FROM: Qty: 1 1845F DrwNo: 336.22.1432.57933 Truss Label: J02HJ KD / YK 12/02/2022



	т	T	
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.176 E 664 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.354 E 330 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.059 E
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.118 E
NCBCLL: 0.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.461
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.197
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.164
' '	Loc. from endwall: NA	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15
Lumber		•	

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 461 621 /-/105 /-Wind reactions based on MWFRS Brg Wid = 4.9Min Reg = 1.5 (Truss) В Brg Wid = -Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 97 - 645 C-D 125

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

Loading

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

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

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. -80 574 I-H 576 - 82

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

D - G 198 - 857



FL REG# 278, Yoonhwak Kim, FL PE #86367 Flor De Corricate of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

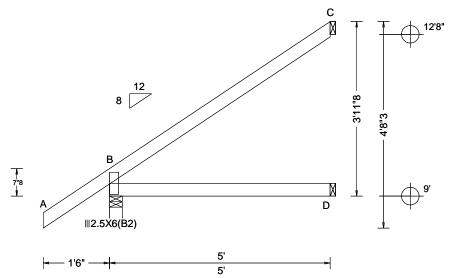
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 14161 **EJAC** Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 FROM: Qty: 3 1845F DrwNo: 336.22.1433.07047 Truss Label: J03 KD / YK 12/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.005 C
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.008 B
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.457
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.274
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: 21.02.01.1216.15
Lumber			

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 329 /234 /147 D 96 /-/52 /102 141 /88 Wind reactions based on MWFRS Brg Wid = 3.5 Min Req = 1.5 (Truss) Brg Wid = 1.5 Brg Wid = 1.5 Min Req = -Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375#

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367 Florida (2020 Ticate of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

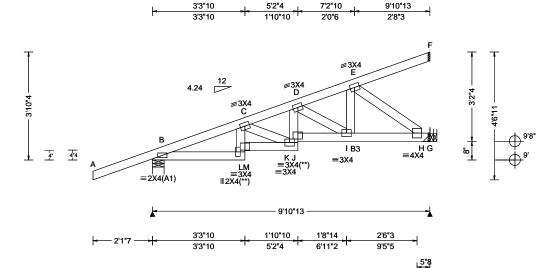
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SEQN: 14655 HIP_ Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T20 FROM: Qty: 1 1845F DrwNo: 336.22.1433.09820 Truss Label: J03HJ KD / YK 12/02/2022



			•	
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	1
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.175 F 667 240 VERT(CL): 0.354 F 330 180 HORZ(LL): 0.059 F HORZ(TL): 0.119 F	<u> </u>
NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s):	Creep Factor: 2.0 Max TC CSI: 0.484 Max BC CSI: 0.238 Max Web CSI: 0.878	E N
Lumbor	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15	1;

В 431 627 Wind reactions based on MWFRS Brg Wid = 4.9В Brg Wid = -

Loc R+

▲ Maximum Reactions (lbs) Gravity

Min Reg = -Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Non-Gravity

/RL

/0 /107

/Rw /U

Min Reg = 1.5 (Truss)

115 - 694 164

/Rh

/0

Plating Notes

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

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

Loading

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

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

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - M	625 - 101	J - I	836 - 130
L-K	848 - 139	I - H	803 - 186

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. E-H 239 - 1025



FL REG# 278, Yoonhwak Kim, FL PE #86367 Flora De Constitute of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

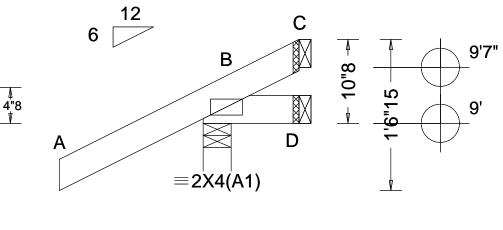
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 14301 JACK Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T28 FROM: Qty: 4 1845F DrwNo: 336.22.1433.12083 Truss Label: J04 KD / YK 12/02/2022



	. 1'
1'6" —	
1 0	' 1' '

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 B
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.001 B
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.250
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.037
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15
Lumber	•		

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 254 /-/201 /38 D /-16 /-/15 /15 /-5 /-/-55 /34 /52 Wind reactions based on MWFRS Brg Wid = 3.5 Min Req = 1.5 (Truss) Brg Wid = 1.5 Brg Wid = 1.5 Min Req = -Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375#

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367 Flora 102 (202) Ficate of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

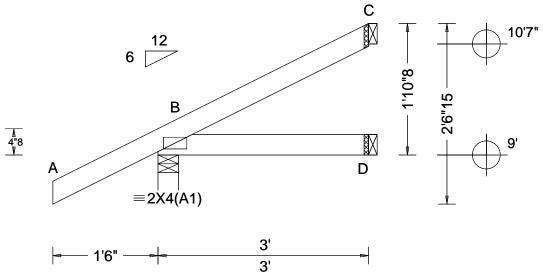
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 14294 JACK Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T26 FROM: Qty: 2 1845F DrwNo: 336.22.1433.13840 Truss Label: J05 KD / YK 12/02/2022



Defl/CSI Criteria

Luaumy Cinteria (psi)	Willia Criteria	SHOW CHILENIA (FG,FIIII FSF)	Deli/Col Cillella
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 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 B
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.001 B
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.163
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.065
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: 21.02.01.1216.15
Lumber			

Snow Criteria (Pa Pf in PSE)

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 262 /190 /42 /73 D 50 /-/26 62 /36 /35 Wind reactions based on MWFRS Brg Wid = 3.5 Min Req = 1.5 (Truss) Brg Wid = 1.5 Min Req = -Brg Wid = 1.5 Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375#

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

Loading Criteria (nef) Wind Criteria

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367 Flora 102 (202) Ficate of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

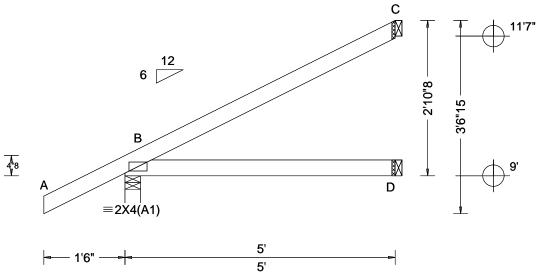
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 14296 JACK Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T25 FROM: Qty: 2 1845F DrwNo: 336.22.1433.15617 Truss Label: J06 KD / YK 12/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 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): 0.004 B
Des Ld: 40.00	Mean Height: 15.00 ft		HORZ(TL): 0.008 B
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.322
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.235
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: 21.02.01.1216.15
Lumber			

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 331 /231 /43 /109 D 90 /-/48 128 /79 Wind reactions based on MWFRS Brg Wid = 3.5 Min Req = 1.5 (Truss) Brg Wid = 1.5 Min Req = -Brg Wid = 1.5 Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375#

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.



Flood D2 (202) Ficate of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

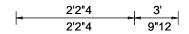
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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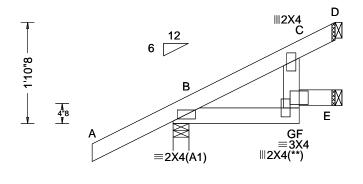
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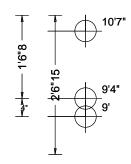


SEQN: 14303 JACK Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T32 FROM: Qty: 2 1845F DrwNo: 336.22.1433.17367 Truss Label: J07 KD / YK 12/02/2022



2'4"





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.003 F 999 240
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.005 F 999 180
	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 C
Dec 1 4: 40 00 1	EXP: C Kzt: NA		HORZ(TL): 0.003 C
NODOLL, 40 00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
0 - 40:4:	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.163
	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.037
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.030
	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: 21.02.01.1216.15

1'6"

▲ Ma	aximu	ım Rea	▲ Maximum Reactions (lbs)							
	G	ravity		No	on-Gra	vity				
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL				
В 2	262	/-	/-	/190	/42	/73				
E 2	20	/-	/-	/12	/-	/-				
D 7	72	/-	/-	/46	/25	/-				
Wind	d read	tions b	ased on N	/WFRS						
В	Brg V	Vid = 3.	5 Min F	Req = 1.5	(Trus	s)				
E	Brg V	Vid = 1.	5 Min F	. = eq	•	•				
			5 Min F							
Bearing B is a rigid surface.										
Members not listed have forces less than 375#										

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

Plating Notes

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

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

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367 Florida (2020) Floridate of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

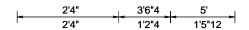
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

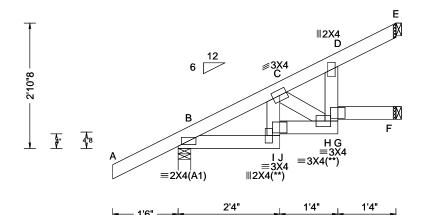
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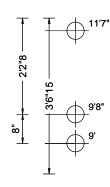
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SEQN: 14305 JACK Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T34 FROM: DrwNo: 336.22.1433.19913 Qty: 2 1845F Truss Label: J08 KD / YK 12/02/2022







Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria				
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#				
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.023 G 999 240				
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.046 G 999 180				
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.011 D				
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.023 D				
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0				
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.289				
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.077				
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.200				
	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: 21.02.01.1216.15				
Lumbor	umbar						

•	Maxim	um Rea	actions (II	os)		
	(avity		. No	on-Gra	vity
Lo	c R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	331	/-	/-	/231	/43	/109
F	38	/-	/-	/24	/-	/-
Ε	153	/-	/-	/103	/54	/-
W	ind rea	ctions b	ased on N	/WFRS		
В	Brg \	Vid = 3	.5 Min F	Req = 1.5	(Trus	s)
F	Brg \	Vid = 1	.5 Min F	Req = -		•
			.5 Min F			
Bearing B is a rigid surface.						
Members not listed have forces less than 375#						

Lumber

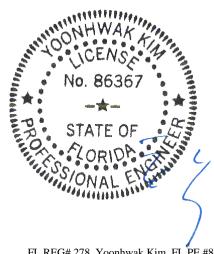
Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

Plating Notes

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

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

Wind loading based on both gable and hip roof types.



FL REG# 278, Yoonhwak Kim, FL PE #86367 Flood@@@ficate of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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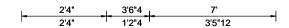
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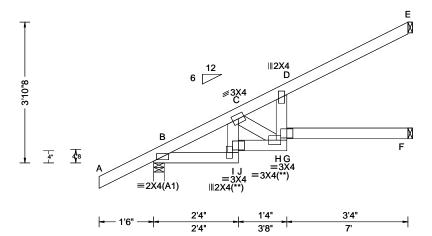
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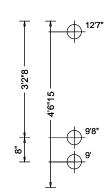
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



SEQN: 14826 **EJAC** Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T4 FROM: Qty: 3 1845F DrwNo: 336.22.1433.22500 Truss Label: J09 KD / YK 12/02/2022







Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.162 G 507 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.323 G 254 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.084 D
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.167 D
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.690
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.212
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.373
	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: 21.02.01.1216.15
Lumber			

	▲ M	aximu	ım Reac	tions (lbs	5)			
	Gravity				No	on-Grav	vity	
0	Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL	_
0	В	408	/-	/-	/278	/47	/144	
	F	83	/-	/-	/49	/-	/-	
	Ε	213	/-	/-	/141	/85	/-	
	Win	d read	tions bas	sed on MV	VFRS			
	В	Brg V	/id = 3.5	Min Re	q = 1.5	(Trus	s)	
		Brg V	/id = 1.5	Min Re	q = -			
	Е	Brg V	/id = 1.5	Min Re	q = -			
	Bearing B is a rigid surface.							
	Members not listed have forces less than 375#							
	Maximum Bot Chord Forces Per Ply (lbs)							
	Cho	rds T	ens.Con	np.				

1 - G 406 - 297

Plating Notes

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

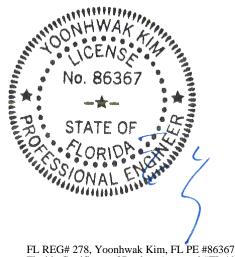
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements

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

Wind loading based on both gable and hip roof types.

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. C - G 292 - 403



Flora De 2020 icate of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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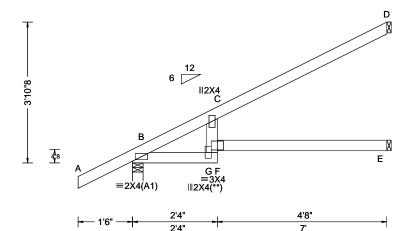
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

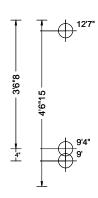
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 14829 **EJAC** Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T22 FROM: Qty: 1 1845F DrwNo: 336.22.1433.24670 Truss Label: J10 KD / YK 12/02/2022







Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Ī	
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#		
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.132 F 624 240		
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.262 F 313 180		
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.071 C		
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.142 C		
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0		
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.370		
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.303		
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.188		
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)			
	GCpi: 0.18	Plate Type(s):		4	
Wind Duration: 1.60		WAVE	VIEW Ver: 21.02.01.1216.15		
Lumbor	·	·	·	_	

▲ Ma	aximu	▲ Maximum Reactions (lbs)							
	G	ravity		No	on-Gra	vity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL			
В	408	/-	/-	/278	/47	/144			
Ε .	101	/-	/-	/56	/-	/-			
D :	208	/-	/-	/135	/94	/-			
Wind	d read	tions b	ased on N	/WFRS					
В	Brg V	Vid = 3.	5 Min F	Req = 1.5	(Trus	s)			
Е	Brg V	Vid = 1.	5 Min F	. = eq	•	•			
			5 Min F						
Bearing B is a rigid surface.									
Members not listed have forces less than 375#									

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

Plating Notes

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

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

Wind loading based on both gable and hip roof types.



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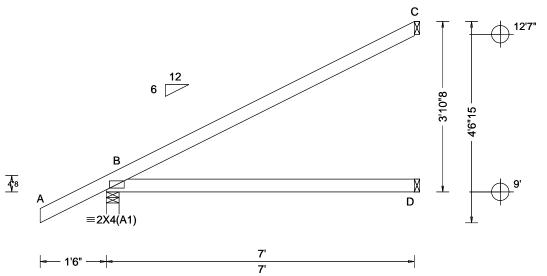
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SEQN: 14299 **EJAC** Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T31 FROM: DrwNo: 336.22.1433.30363 Qty: 6 1845F Truss Label: J11 KD / YK 12/02/2022



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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0)	DefI/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.013 B HORZ(TL): 0.026 B Creep Factor: 2.0 Max TC CSI: 0.718 Max BC CSI: 0.514 Max Web CSI: 0.000
Spacing: 24.0		·	VIEW Ver: 21.02.01.1216.15

▲ M	axim	um Rea	actions (II	os)		
	G	ravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
	408		/-	/278	/47	/144
D	129	/-	/-	/72	/-	/-
С	188	/-	/-	/118	/94	/-
Win	d read	ctions b	ased on N	/WFRS		
В	Brg V	Vid = 3	.5 Min F	Req = 1.5	(Trus	s)
D	Brg V	Vid = 1	.5 Min F	. = eq	•	•
С	Brg V	Vid = 1	.5 Min F	?eq = -		
Bearing B is a rigid surface.						
Members not listed have forces less than 375#						
IVICI	ibeis	not not	eu nave ic	1003 103	ulan	<i>31 3π</i>

Lumber

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.



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



SEQN: 14518 COMN Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T46 FROM: 1845F DrwNo: 336.22.1433.35283 Qty: 1 Truss Label: PB01 KD / YK 12/02/2022 5'7"1 10'2"13 4'7"12 4'7"12 ≡4X4 C **→19**:1"12 **∥2X4** 11"5 9'3"8 4'7"12 4'7"12 11"5 10'2"13 11'2"2 ▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /Rh /Rw / U /RL Α /-91 /63 /103 /68 В* /-/58 /33 /-94

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria		
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#		
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.003 B 999 240		
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.005 B 999 180		
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.002 D		
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	EXP: C Kzt: NA Mean Height: 20.42 ft TCDL: 5.0 psf BCDL: 2.0 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	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(LL): -0.002 D		
Wind Duration: 1.60		WAVE	VIEW Ver: 21.02.01.1216.15		
Lumber		•	-		

/-91 /-Е /43 /73 В /-103 Wind reactions based on MWFRS Brg Wid = 7.3Min Req = 1.5 (Truss) Brg Wid = 111 Min Req = -Brg Wid = 7.3 Min Req = 1.5 (Truss) Bearings A, B, & E are a rigid surface. Members not listed have forces less than 375#

Lumbei

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

Plating Notes

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

Loading

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

Wind loads based on MWFRS.

Wind loading based on both gable and hip roof types.

Additional Notes

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

Refer to DWG PB160160118 for piggyback details.



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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 14339 COMN Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T58 FROM: Qty: 10 1845F DrwNo: 336.22.1433.36903 Truss Label: PB02 KD / YK 12/02/2022 5'7"1 10'2"13 4'7"12 4'7"12 ≡4X4 C **→19**:1"12 **∥2X4** 9'3"8 4'7"12 4'7"12 11"5 11"5 11"5 5'7"1 10'2"13 11'2"2 ▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /Rh /Rw / U /RL /-86 /65 /105 /75 В* 94 /-/64 /13

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.003 B 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.005 B 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.002 D
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.003 D
NCBCLL: 10.00	Mean Height: 20.42 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 2.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.228
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.105
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.029
-	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15
Lumber			

/-86 /32 Wind reactions based on MWFRS Brg Wid = 7.3 Min Req = 1.5 (Truss) Brg Wid = 111 Min Req = Brg Wid = 7.3 Min Req = 1.5 (Truss) Bearings A, B, & E are a rigid surface. Members not listed have forces less than 375#

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

Plating Notes

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

Loading

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

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

Wind loading based on both gable and hip roof types.

Additional Notes

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

Refer to DWG PB160160118 for piggyback details.



FL REG# 278, Yoonhwak Kim, FL PE #86367 Flood De Control of Product Approval #FL 1999

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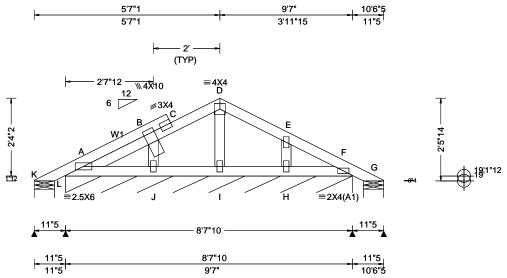
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 14711 GABL Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T55 FROM: DrwNo: 336.22.1433.38780 Qty: 1 1845F Truss Label: PB03 KD / YK 12/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.000 F 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.000 F 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 F
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 20.42 ft		HORZ(TL): 0.000 F
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 2.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.054
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.019
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.045
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15
Lumber			

▲ Ma			tions (lbs	• •		٠
	Gr	avity		INC	n-Grav	ıτy
Loc	R+	/ R-	/Rh	/Rw	/ U	/RL
K -		/-4	/-	/24	/29	/64
L* 6	4	/-	/-	/46	/6	/-
G 1	7		/-	/16	/3	/-
Wind	react	ions bas	sed on MV	VFRS		
K E	3rg W	id = 7.3	Min Re	q = 1.5	(Truss)
L E	3rg W	id = 103	Min Re	q = -		
G E	3rg W	id = 7.3	Min Re	q = 1.5	(Truss)
Beari	ngs K	, L, & G	are a rigid	surfac	e.	
Mem	bers r	ot listed	have for	es less	than 3	75#

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; W1 2x4 SP #2;

Plating Notes

All plates are 2X4 except as noted.

Wind

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

Wind loading based on both gable and hip roof types.

Blocking

Blocking reinforcement required to prevent buckling of members over the bearings: Bearing 1 located at 14.1' (blocking >= 11841.61" if used)

Additional Notes

Refer to DWG PB160160118 for piggyback details.



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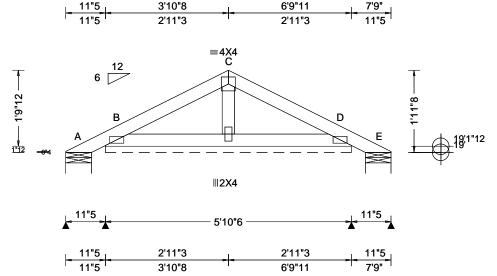
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SEQN: 14823 COMN Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T15 FROM: Qty: 2 1845F DrwNo: 336.22.1433.40570 Truss Label: PB04 KD / YK 12/02/2022



	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
	TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
1	TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.001 B 999 240	
1	BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.002 B 999 180	ı
	BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 B	
	Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 B	
	NCBCLL: 10.00	Mean Height: 19.99 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
	Soffit: 2.00	BCDL: 2.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.081	
1	Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.044	ı
	Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.018	
	_	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		
		GCpi: 0.18	Plate Type(s):		1
		Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15	l
ı	Lumber	•	•	•	-

▲ Maximum Reactions (lbs), or *=PLF					
	Gravity		N	on-Gra	vity
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Α -	/-8	/-	/28	/28	/49
B* 84	/-	/-	/58	/10	/-
E -	/-8	/-	/6	/6	/-
Wind rea	actions b	ased on N	/WFRS		
A Brg	Wid = 7	.3 Min F	Req = 1.5	(Trus	s)
B Brg	Wid = 70	0.3 Min F	Req = -	•	•
E Brg	Wid = 7	.3 Min F	Req = 1.5	(Trus	s)
Bearings	A, B, &	E are a ri	gid surfa	ce.	•
Member	s not list	ed have fo	rces les	s than	375#

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

Plating Notes

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

Loading

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

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.



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SEQN: 14753 VAL Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T43 FROM: Qty: 1 1845F DrwNo: 336.22.1433.44377 Truss Label: V01 KD / YK 12/02/2022 8'10"8 10'8"8 14'6"12 19'7' 8'10"8 1'10" 3'10"4 5'0"4 1'6"8 -(TYP) ≡3X4(D1) =3X4(D1) Ğ ∥2X4 ____H =5X5 ∥2X4 **∥**2X4 10'6"12 5'0"4 10'6"12 14'6"12 Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity 20.00 Wind Std: ASCE 7-16 Pg: NA Ct: NA CAT: NA TCLL: PP Deflection in loc L/defl L/# /Rw /U Speed: 130 mph Loc R+ /R /RL TCDL: 10.00 Pf: NA Ce: NA VERT(LL): 0.013 F 999 240 Enclosure: Closed VERT(CL): 0.026 F BCII: 0.00 Lu: NA Cs: NA 180 999 K* 82 /-/-/42 /5

Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.004 A EXP: C Kzt: NA HORZ(TL): 0.009 A Des Ld: 40.00 Mean Height: 15.00 ft NCBCLL: 10.00 **Building Code:** Creep Factor: 2.0 TCDL: 5.0 psf FBC 7th Ed. 2020 Res. Max TC CSI: 0.349 Soffit: 2.00 BCDL: 5.0 psf TPI Std: 2014 Max BC CSI: 0.212 Load Duration: 1.25 MWFRS Parallel Dist: h to 2h Rep Fac: Yes Max Web CSI: 0.087 Spacing: 24.0 " C&C Dist a: 3.00 ft FT/RT:20(0)/10(0) Loc. from endwall: not in 9.00 ft GCpi: 0.18 Plate Type(s): Wind Duration: 1.60 VIEW Ver: 21.02.01.1216.15 <u>WA</u>VE

Wind reactions based on MWFRS Brg Wid = 234 Min Req = Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.



FL REG# 278, Yoonhwak Kim, FL PE #86367 Flor De Corricate of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

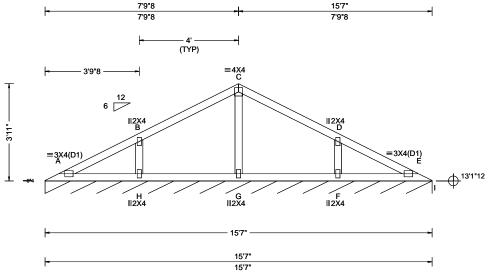
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 14755 VAL Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T52 FROM: Qty: 1 1845F DrwNo: 336.22.1433.45657 Truss Label: V02 KD / YK 12/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.004 E 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.009 E 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.002 E
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.26 ft		HORZ(TL): 0.003 E
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.281
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.132
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.072
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15
Lumber			-

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL 82 /-/-/42 /6 Wind reactions based on MWFRS Brg Wid = 186 Min Req = Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.



FL REG# 278, Yoonhwak Kim, FL PE #86367 Flor De Corricate of Product Approval #FL 1999

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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 14758 VAL Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T49 FROM: Qty: 1 1845F DrwNo: 336.22.1433.47000 Truss Label: V03 KD / YK 12/02/2022 5'9"8 11'7' 5'9"8 5'9"8 =3X4(D1) C ≡3X4(D1) 14'1"12 __D ∥2X4 5'9"8 5'9"8 5'9"8 11'7' ▲ Maximum Reactions (lbs), or *=PLF Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria Gravity Non-Gravity Wind Std: ASCE 7-16 Pg: NA Ct: NA CAT: NA TCLL: 20.00 PP Deflection in loc L/defl L/# /Rw /U Speed: 130 mph Loc R+ /R /Rh /RL TCDL: 10.00 Pf: NA Ce: NA VERT(LL): 0.023 C 999 240 Enclosure: Closed VERT(CL): 0.046 C BCII: 0.00 Lu: NA Cs: NA 999 180 E* 82 /-/-/6 Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): -0.009 C Wind reactions based on MWFRS EXP: C Kzt: NA Brg Wid = 138 Min Req = -HORZ(TL): 0.019 C Des Ld: 40.00 Mean Height: 15.76 ft Bearing A is a rigid surface. NCBCLL: 10.00 **Building Code:** Creep Factor: 2.0 TCDL: 5.0 psf Members not listed have forces less than 375# FBC 7th Ed. 2020 Res. Max TC CSI: 0.457 Soffit: 2.00 BCDL: 5.0 psf Maximum Top Chord Forces Per Ply (lbs) TPI Std: 2014 Max BC CSI: 0.387 Load Duration: 1.25 MWFRS Parallel Dist: h to 2h Chords Tens.Comp. Chords Tens. Comp. Rep Fac: Yes Max Web CSI: 0.139 Spacing: 24.0 " C&C Dist a: 3.00 ft FT/RT:20(0)/10(0) Loc. from endwall: not in 9.00 ft A - B 475 - 249 B-C 475 - 261 GCpi: 0.18 Plate Type(s): Wind Duration: 1.60 VIEW Ver: 21.02.01.1216.15 Maximum Web Forces Per Ply (lbs) <u>WA</u>VE Webs Tens.Comp. Lumber B - D 437 - 648

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.



FL REG# 278, Yoonhwak Kim, FL PE #86367 Flood De Conficate of Product Approval #FL 1999

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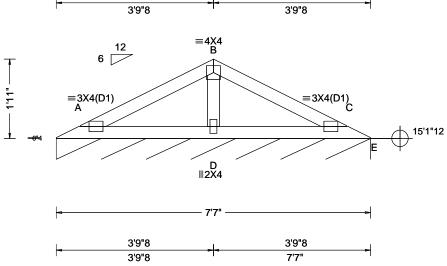
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SEQN: 14760 VAL Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T56 FROM: DrwNo: 336.22.1433.49457 Qty: 1 1845F Truss Label: V04 KD / YK 12/02/2022

7'7"

3'9"8



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.006 C 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.012 C 999 180
10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.003 C
Dec 1 4: 40 00	EXP: C Kzt: NA		HORZ(TL): 0.005 C
NCBCLL: 10.00	Mean Height: 16.26 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.165
l	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.150
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.081
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15
Lumbor			

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL E* 82 /-/-/40 /5 Wind reactions based on MWFRS Brg Wid = 91.0 Min Req = Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.



FL REG# 278, Yoonhwak Kim, FL PE #86367 Flora De Constitute of Product Approval #FL 1999

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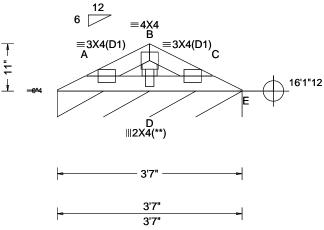
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 14762 VAL Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T51 FROM: DrwNo: 336.22.1433.51290 Qty: 1 1845F Truss Label: V05 KD / YK 12/02/2022





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00	Wind Std: ASCE 7-16 Speed: 130 mph	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.000 A 999 240
BCLL: 0.00	Enclosure: Closed Risk Category: II	Lu: NA Cs: NA	VERT(CL): 0.001 A 999 180
BCDL: 10.00 Des Ld: 40.00	EXP: C Kzt: NA	Snow Duration: NA	HORZ(LL): -0.000 C -HORZ(TL): 0.000 C
NCBCLL: 10.00 Soffit: 2.00	Mean Height: 16.76 ft TCDL: 5.0 psf	Building Code: FBC 7th Ed. 2020 Res.	Creep Factor: 2.0 Max TC CSI: 0.024
Load Duration: 1.25	BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.026
Spacing: 24.0 "	C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft	Rep Fac: Yes FT/RT:20(0)/10(0)	Max Web CSI: 0.020
	GCpi: 0.18 Wind Duration: 1.60	Plate Type(s):	VIEW Ver: 21.02.01.1216.15
Lumber	Willa Baration: 1.00	WAVE	VIEW VCI. 21.02.01.1210.10

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL E* 82 /-/-Wind reactions based on MWFRS Brg Wid = 43.0 Min Req = Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

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

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.



FL REG# 278, Yoonhwak Kim, FL PE #86367 Flora De Constitute of Product Approval #FL 1999

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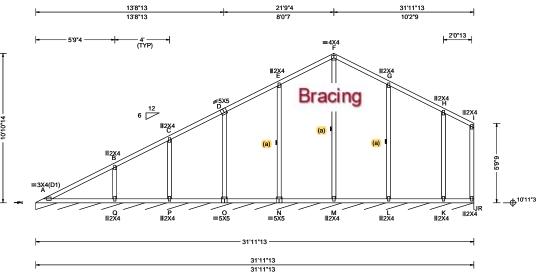
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SEQN: 14821 VAL Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T18 FROM: Qty: 1 1845F DrwNo: 336.22.1433.53047 Truss Label: V06 KD / YK 12/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.023 A 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.047 A 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.007 G
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 16.54 ft		HORZ(TL): 0.012 A
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.358
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.273
Spacing: 24.0 "	C&C Dist a: 3.20 ft	Rep Fac: Yes	Max Web CSI: 0.209
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15
Lumber		•	-

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL R* 82 /-/-/47 Wind reactions based on MWFRS R Brg Wid = 383 Min Req = Bearing A is a rigid surface. Members not listed have forces less than 375#

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

Bracing

(a) Continuous lateral restraint equally spaced on

Wind

Wind loads based on MWFRS with additional C&C

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.



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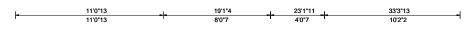
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

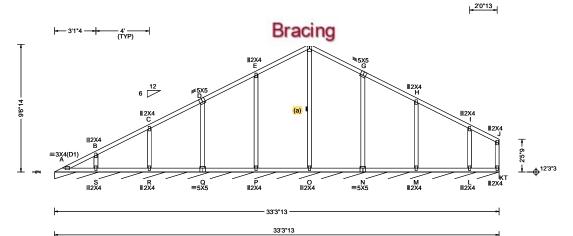
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SEQN: 14684 VAL Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T54 FROM: Qty: 1 1845F DrwNo: 336.22.1433.54877 Truss Label: V07 KD / YK 12/02/2022





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	•
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.21 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.33 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.002 A 999 240 VERT(CL): 0.005 A 999 180 HORZ(LL): 0.006 I HORZ(TL): 0.011 I Creep Factor: 2.0 Max TC CSI: 0.203 Max BC CSI: 0.109 Max Web CSI: 0.296	
	Willa Baration: 1.00	WAVE	VIEVV VCI. 21.02.01.1210.10	

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /Rw /U /RL T* 82 /-/-/44 Wind reactions based on MWFRS Brg Wid = 399 Min Req = Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on

Wind

Wind loads based on MWFRS with additional C&C

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.



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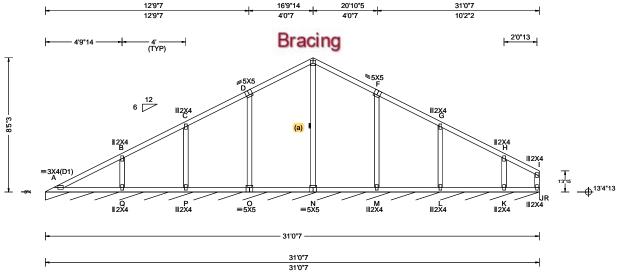
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SEQN: 14348 VAL Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T44 FROM: Qty: 1 1845F DrwNo: 336.22.1433.56570 Truss Label: V08 KD / YK 12/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.013 A 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.026 A 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.006 H
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 17.77 ft		HORZ(TL): 0.010 I
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.274
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.197
Spacing: 24.0 "	C&C Dist a: 3.10 ft	Rep Fac: Yes	Max Web CSI: 0.210
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw / U /RL R* 82 /-/-/43 Wind reactions based on MWFRS R Brg Wid = 372 Min Req = Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on

Wind

Wind loads based on MWFRS with additional C&C

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.



FL REG# 278, Yoonhwak Kim, FL PE #86367 Flora (1999) Florate of Product Approval #FL 1999

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SEQN: 14681 VAL Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T10 FROM: DrwNo: 336.22.1434.00317 1845F Qty: 1 Truss Label: V09 KD / YK 12/02/2022 5'11"11 14'1"14 22'4"2 28'3"13 5'11"11 8'2"4 8'2"4 5'11"11 4'1"14 -- 2' --(TYP) ||2X4 ∥2X4 1112<u>X</u>4 ∥2X4 ∥2X4 **№2.5X6** #2.5X6 **₩4X10** ⊕^{14'8"13} **≥**2.5x6 ||2X4 28'3"13 6'1"14 22'1"14 6'1"14 28'3"13 Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Wind Std: ASCE 7-16 Ct: NA CAT: NA TCLL: 20.00 Pg: NA PP Deflection in loc L/defl L/# Loc R+ /R /Rw /U /RL Speed: 130 mph TCDL: 10.00 Pf: NA Ce: NA VERT(LL): 0.001 F 999 240 Enclosure: Closed VERT(CL): 0.001 F BCI I · 0.00 Lu: NA Cs: NA 999 180 Y* 81 /-/-Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.001 K Wind reactions based on MWFRS EXP: C Kzt: NA Brg Wid = 339 Min Req = HORZ(TL): 0.002 I Des Ld: 40.00 Mean Height: 18.27 ft Bearing Y is a rigid surface. **Building Code:** Creep Factor: 2.0 NCBCLL: 10.00 TCDL: 5.0 psf Members not listed have forces less than 375# FBC 7th Ed. 2020 Res. Max TC CSI: 0.220 Soffit: 2.00 BCDL: 5.0 psf TPI Std: 2014 Max BC CSI: 0.049 Load Duration: 1.25 MWFRS Parallel Dist: h/2 to h Rep Fac: Yes Max Web CSI: 0.451 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;

Wind

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

Loc. from endwall: not in 9.00 ft

GCpi: 0.18 Wind Duration: 1.60

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.



VIEW Ver: 21.02.01.1216.15

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

Plate Type(s):

<u>WA</u>VE

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

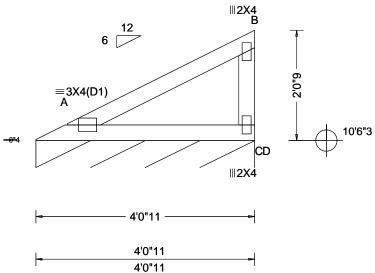
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SEQN: 14788 VAL Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T59 FROM: DrwNo: 336.22.1434.02150 Qty: 1 1845F Truss Label: V10 KD / YK 12/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.003 A
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.006 A
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.201
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.155
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.088
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15
	•		•

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL D* 82 /-/-/11 Wind reactions based on MWFRS D Brg Wid = 48.7 Min Req = Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.



FL REG# 278, Yoonhwak Kim, FL PE #86367 Flora De Contracte of Product Approval #FL 1999

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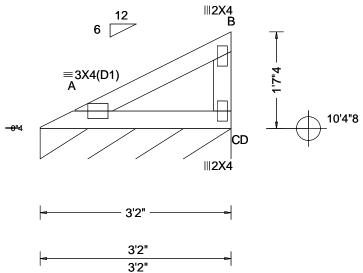
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 14805 VAL Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T62 FROM: Qty: 1 1845F DrwNo: 336.22.1434.06663 Truss Label: V11 KD / YK 12/02/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 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 A
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.003 A
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.111
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.096
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.055
- - - - - - - - - -	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15
Lumbar		•	•

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL D* 82 /-/-/49 /10 Wind reactions based on MWFRS D Brg Wid = 38.0 Min Req = Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.



FL REG# 278, Yoonhwak Kim, FL PE #86367 Flora De Contracte of Product Approval #FL 1999

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SEQN: 10482 COMN Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T73 FROM: Qty: 1 1845F DrwNo: 336.22.1441.37773 Truss Label: D06 / YK 12/02/2022 14'1" 21'11" 31'5"3 41'2" 7'2"4 6'10"12 7'10" 9'6"3 9'8"13 Bracing *****exe //3X4 B 2 2'11"8 ВЗ H ≡5X6 В4 K ≡4X5 ≡5X5 =6X8 ∥2.5X6 6'10"12 7'2"4 7'8"4 9'9"4 9'7"8 1'6" 6'10"12 14'1' 21'9"4 31'6"8 41'2 ▲ Maximum Reactions (lbs)

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.12 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.115 I 999 240 VERT(CL): 0.236 I 999 180 HORZ(LL): 0.049 F HORZ(TL): 0.100 F Creep Factor: 2.0 Max TC CSI: 0.802 Max BC CSI: 0.765 Max Web CSI: 0.658 VIEW Ver: 22.01.01A.0520.12

	Gravity		Non-Gravity				
Loc R	+ /R-	/ Rh	/ Rw	/ U	/ RL		
L 168	35 /-	/-	/950	/36	/272		
F 179	99 /-	/-	/1115	/92	/-		
Wind re	eactions l	based on	MWFRS				
L Br	g Wid = 5	5.5 Min	Req = 2.0	(Trus	s)		
F Br	g Wid = 3	3.5 Min	Req = 1.5	(Trus	s)		
Bearing	is L & Fa	are a rigio	d surface.	•	•		
Membe	rs not lis	ted have	forces less	than	375#		
Maxim	um Top	Chord F	orces Per	Plv (lb	os)		
			Chords		•		
A - B	573	- 1917	D-E	747	- 2165		

A-B B-C	573 - 1917	D-E	747	- 2165
B-C	709 - 1932	E-F	828	- 3060
C - D	757 - 1817			

Top chord: 2x4 SP #2; T3,T4 2x4 SP M-31; Bot chord: 2x4 SP #2; B3,B4 2x4 SP M-31; Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on

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

Wind

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

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

		•			
K - J	1657	- 336	I-H	2625	- 607
J - I	1636	- 302	H - F	2629	- 606

Maximum Web Forces Per Ply (lbs) Tens Comp

VV CD3	rens.comp.	rens. Comp.				
A - L	494 - 1626	I-D	493	-3		
A - K	1727 - 464	I-E	291	- 913		
K - B	246 - 467	E-H	404	0		



FL REG# 278, Yoonhwak Kim, FL PE #86367 Flood De Contricate of Product Approval #FL 1999

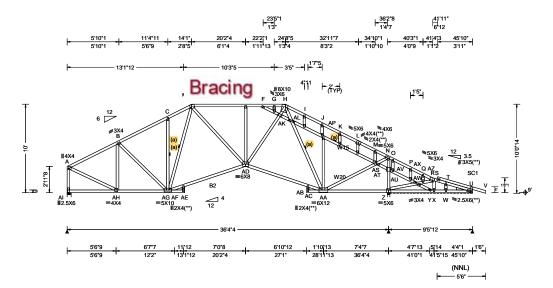
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SEQN: 10488 GABL Ply: 1 Job Number: 22-8612 Cust: R 215 JRef: 1XL52150007 T74 FROM: 1845F DrwNo: 336.22.1442.21840 Qty: 1 Truss Label: D08 / YK 12/02/2022



Loading Crit	teria (psf)	Wind Criteria	Snow Cri	teria (Pg	Pf in PSF)	Defl/CSI Cri	iteria			
TCLL: 20	.00	Wind Std: ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection	n in	loc L/d	defl L	_/#
TCDL: 10			Pf: NA		Ce: NA	VERT(LL):	0.114	AE	999	240
BCLL: 0.0	00		Lu: NA	Cs: NA		VERT(CL):	0.251	ΑE	999	180
BCDL: 10	.00	Risk Category: II	Snow Dur	ation: NA		HORZ(LL):	0.046	AA 6	-	-
Des Ld: 40	00	EXP: C Kzt: NA Mean Height: 15.00 ft				HORZ(TL):	0.095	AA	-	-
NCBCLL: 10	^^	TCDL: 5.0 psf	Building C	ode:		Creep Facto	r: 2.0			
Soffit: 2.0	^^	BCDL: 5.0 psf	FBC 7th E	d. 2020 F	Res.	Max TC CSI	l: 0.	547		
Load Duration		MWFRS Parallel Dist: h to 2h	TPI Std:	2014		Max BC CS	l: 0.	890		
Spacing: 24.0	0 "	C&C Dist a: 4.58 ft	Rep Fac: '	Yes		Max Web C	SI: 0.	554		
		Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)						
		GCpi: 0.18	Plate Type	e(s):						
		Wind Duration: 1.60	WAVE			VIEW Ver: 2	22.01.0)1A.0	520.1	2

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; B2 2x4 SP M-31; Webs: 2x4 SP #3; W15,W20 2x4 SP #2; Stack Chord: SC1 2x4 SP #2; Rt Stub Wedge: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

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

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

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

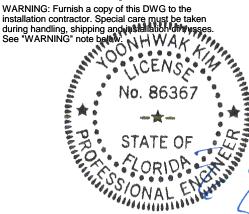
Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

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

WARNING: Furnish a copy of this DWG to the



▲ Maximum Reactions (lbs), or *=PLF Non-Gravity Gravity Loc R+ /Rh /Rw /U /RL ΑI 1440 /852 /264 2121 /-/1209 /86 /-/-50 /26 /11 /-

/-390 Wind reactions based on MWFRS

 $Brg\ Wid = 5.5$ Min Req = 1.7 (Truss) Brg Wid = 3.5 Min Req = 2.5Brg Wid = 111 Min Req = -

Bearings AI, Z, & Z 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	472 - 1494	J - K	420	- 936
B - C	609 - 1597	K-L	396	- 967
C - D	701 - 1541	L - M	380	- 1012
D - E	759 - 1864	M - N	323	- 966
E-F	759 - 1864	N - O	912	- 262
F-G	669 - 1663	0 - P	916	- 281
G - H	671 - 1663	P-Q	898	- 301
H - I	540 - 960	Q - R	890	- 324
I - J	504 - 988			

Maximum Bot Chord Forces Per Ply (lbs)

AH-AG 1297 - 303 AD-AB 1398 - 262 AG-AF 1441 - 316 AB-AA 1346 - 257	
AF-AD 1493 - 318	

Maximum Web Forces Per Ply (lbs)

る。STATE OF ・ひ	Webs	Tens.Comp.	Webs	Tens. Comp.	_
0.00	A -AI	447 - 1389	AT-AU	232 - 474	
シベス of CORIDE	🧨 / A -AH	1397 - 398	N -AU	519 - 1712	
25.02 0000 1 (S) 3	AH- B	231 - 497	AU- Z	583 - 1853	
MAN CONIAL ESTA	/ D -AD	711 - 170	AU-AV	182 - 380	
AND WALL	/ AD-AK	1020 - 277	Z -AX	267 - 540	
- a 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	🛴 AK- H	1030 - 298	AV-AW	191 - 395	
	H -AL	127 - 633	AW-AX	204 - 398	
	/ AL-AA	145 - 662	AX-AZ	214 - 502	
	/ AA-AP	254 - 377	AX- Y	271 - 466	
	AA-AS	1534 - 380	AZ- R	200 - 497	
FL REG# 278, Yoonhwak Kim, I	FL PE #8563461 7	1540 - 403	R-X	384 - 108	
Florance of Product Ap	proval AFLN 9	99 1782 - 509			

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Gable Stud Reinforcement Detail

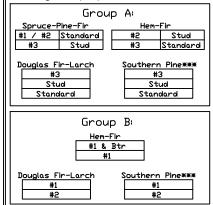
ASCE 7-16: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Dr: 120 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00

Dr: 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00

Or: 100 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure D, Kzt = 1,00

		 2×4	Brace		(1) 1×4 *1	Brace *			(2) 2 4 1				1	Brace **
II		-^' Vertica	1 25 400	No	11/1/4	DI WCE *	\1/ LAT L	. DI UCE *) L/ L/4 L	שועכב אא	\1/ LAU L	שות ב	ILV LAG L	D. U.C.E ***
_	Spacing	Species	Grade	Braces	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B
[구		CDE	#1 / #2	4′ 3″	7′ 3″	7′ 7″	8′ 7 ″	8′ 11 ″	10′ 3″	10′ 8 ″	13′ 6 ″	14' 0"	14' 0"	14′ 0″
	1.7	SPF	#3	4′ 1″	6′ 7 ″	7′ 1″	8′ 6 ″	8′ 10 ″	10′ 1″	10′ 6 ″	13′ 4″	13′ 10 ″	14′ 0″	14′ 0″
ഉ	0	HF	Stud	4′ 1″	6′ 7 ″	7′ 0 ″	8′ 6 ″	8′ 10 ″	10′ 1″	10′ 6″	13′ 4″	13′ 10 ″	14′ 0″	14′ 0″
		1 11	Standard	4′ 1″	5′ 8 ″	6′ 0 ″	7′ 7″	8′ 1 ″	10′ 1″	10′ 6″	11′ 10″	12′ 8″	14′ 0″	14′ 0″
o			#1	4′ 6″	7′ 4″	7′ 8 ″	8′ 8″	9′ 0″	10′ 4″	10′ 9 ″	13′ 8″	14′ 0″	14′ 0″	14′ 0″
	*	SP	#2	4′ 3″	7′ 3″	7′ 7″	8′ 7 ″	8′ 11 ″	10′ 3″	10′ 8″	13′ 6″	14' 0"	14′ 0″	14′ 0″
	4		#3	4′ 2″	6′ 0″	6′ 4″	7′ 11″	8′ 6 ″	10′ 2″	10′ 7″	12′ 5 ″	13′ 4″	14′ 0″	14′ 0″
g	Ω	lDF L	Stud	4′ 2″	6′ 0″	6′ 4″	7′ 11″	8′ 6 ″	10′ 2″	10′ 7″	12′ 5″	13′ 4″	14′ 0″	14′ 0″
$\Pi \cong \Pi$			Standard	4′ 0″	5′ 3 ″	5′ 7 ″	7′ 0 ″	7′ 6 ″	9′ 6″	10′ 2″	11′ 0″	11′ 10″	14′ 0″	14′ 0″
II -9 I		SPF	#1 / #2	4′ 11″	8′ 4″	8′ 8 ″	9′ 10″	10′ 3″	11′ 8″	12′ 2″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
+>		76	#3	4′ 8″	8′ 1 ″	8′ 8 ″	9′ 8″	10′ 1″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
_	\cup	HF	Stud	4′ 8″	8′ 1″	8′ 6 ″	9′ 8″	10′ 1″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
ΠōΙ	Ō	1 11	Standard	4′ 8″	6′ 11″	7′ 5 ′	9′ 3″	9′ 11 ″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
\parallel $\stackrel{\sim}{\sim}$ \parallel			#1	5′ 1 ′	8′ 5 ″	8′ 9″	9′ 11″	10′ 4″	11' 10"	12′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
/		SP	#2	4′ 11″	8′ 4″	8′ 8 ″	9′ 10″	10′ 3″	11′ 8″	12′ 2 ″	14′ 0″	14' 0"	14′ 0″	14′ 0″
	9	Ь.	#3	4′ 9″	7′ 4″	7′ 9″	9′ 9″	10′ 2″	11′ 8″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
W	Ţ	DFL	Stud	4′ 9″	7′ 4″	7′ 9″	9′ 9″	10′ 2″	11′ 8″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
<u> </u>			Standard	4′ 8″	6′ 5″	6′ 10 ″	8′ 7″	9′ 2″	11′ 7″	12′ 1″	13′ 6″	14′ 0″	14′ 0″	14′ 0″
abl		SPF	#1 / #2	5′ 5″	9′ 2″	9′ 6″	10′ 10″	11′ 3″	11′ 8″	13′ 5″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
오.			#3	5′ 1″	9′ 0″	9′ 4″	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
0	Ų	l HF	Stud	5′ 1″	9′ 0″	9′ 4″	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	O	1 11	Standard	5′ 1 ″	8′ 0″	8′ 6″	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
$ \times $	_		#1	5′ 8″	9′ 3″	9′ 8″	10′ 11″	11′ 4″	13′ 0″	13′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
ll dl	*	SP	#2	5′ 5″	9′ 2″	9′ 6″	10′ 10″	11′ 3″	12′ 11″	13′ 5″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
M M	Ω	ושכו	#3	5′ 3″	8′ 5″	9′ 0″	10′ 9″	11′ 2″	12′ 10″	13′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
-	\leftarrow	DFL	Stud	5′ 3″	8′ 5″	9′ 0″	10′ 9″	11′ 2″	12′ 10″	13′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
L			Standard	5′ 1 ′	7′ 5″	7′ 11″	9′ 11″	10' 7"	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″



Bracing Group Species and Grades:

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

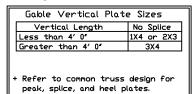
Gable Truss Detail Notes: Wind Load deflection criterion is L/240.

Provide uplift connections for 55 plf over continuous bearing (5 psf TC Dead Load).

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

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

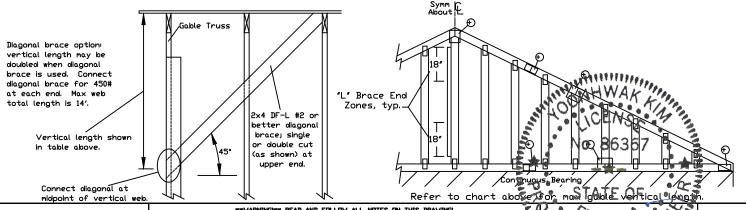
"L" bracing must be a minimum of 80% of web member length.



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

|DATE 01/26/2018

ASCE7-16-GAB14015



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DRWG A14015ENC160118 MAX, TOT, LD, 60 PSF MAX. SPACING 24.0"

ak Kim EL DE #86367

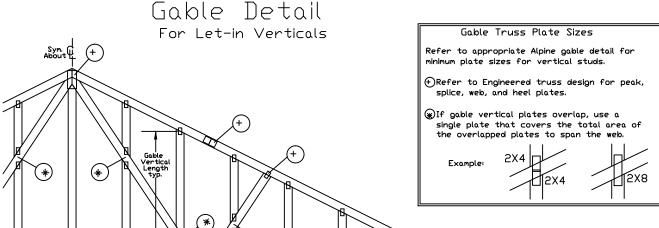
Refer to drawings 160A-Z for standard plate positions.

155 Harlem Ave North Building, 4th Floor

Glenview, IL 60025

For more information see this job's general notes page and these web sites.

ALPINE: www.alpineitw.com; TPI: www.tpinstorg; SBCA: www.sbcacomponents.com; ICC: www.sbcacomponents.com; ICC: www.tpinstorg; SBCA: www.sbcacomponents.com; ICC: www.sbcacomponents.components.com; ICC: www.sbcacomponents.com; ICC: www.sbcacomponents.com; ICC: www.sbcacomponents.components.com; ICC: www.sbcacom



Provide connections for uplift specified on the engineered truss design.

Attach each "T" reinforcing member with

End Driven Nails:

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

(4) nails in the top and bottom chords.

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

(4) toenails in the top and bottom chords.

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

ASCE 7-05 Gable Detail Drawings

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

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

A11515ENC100118, A12015ENC100118, A14015ENC100118, A1403ENC100118

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

\$18015ENC100118, \$20015ENC100118, \$20015END100118, \$20015PED100118 \$11530ENC100118, \$12030ENC100118, \$14030ENC100118, \$18030ENC100118)

\$18030ENC100118, \$20030ENC100118, \$20030END100118, \$20030PED100118

See appropriate Alpine gable detail for maximum unreinforced gable vertical

"T" Reinforcement Attachment Detail



To convert from "L" to "T" reinforcing members, multiply "T" increase by length (based on appropriate Alpine gable detail).

Maximum allowable "T" reinforced aable vertical length is 14' from top to bottom chord.

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

Web Length Increase w/ "T" Brace

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

Example:

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

"T" Reinforcing Member Size = 2x4

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

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

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For more information see this job's general notes page and these web sites (02/2022 78, Yoonhwak Kim, FL PE #86367 ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcacomponents.com; ICC: www.lccs.febr.gr 78, Yoonhwak Kim, FL PE #86367

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

MAX. TOT. LD. 60 PSF

24.0"

DUR. FAC. ANY MAX. SPACING

155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

Rigid Sheathing

Ceiling

4 Nails

Nails

Spaced At

4 Nails

Reinforcing

Member

Gable

Truss

NAIL SPACING DETAIL

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

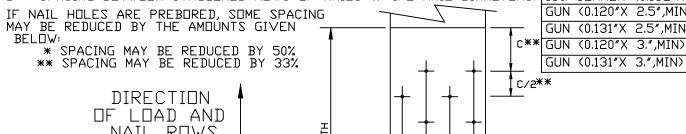
BLOCK LOCATION, SIZE, LENGTH, GRADE AND TOTAL NUMBER AND TYPE OF NAILS ARE TO BE SPECIFIED ON SEALED DESIGN REFERENCING THIS DETAIL.

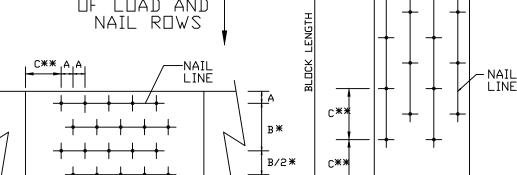
LOAD PERPENDICULAR TO GRAIN

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

LOAD PARALLEL TO GRAIN

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





TRUSS **MEMBER**

LOAD APPLIED PERPENDICULAR TO GRAIN

BLOCK LENGTH

LOAD APPLIED PARALLEL TO GAIN

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engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Bullding Designer per ANSI/TPI 1 Sec.2.

For more information see this job's general notes page and these web sittle 102/2022 78 ALPINE: www.alpineitw.com; TPI: www.tpinstorg; SBCA: www.sbcacomponents.com; ICC: www.ede.com; TPI: www.tpinstorg; SBCA: www.sbcacomponents.com; ICC: www.sbca

Will ONAL IN

NAIL TYPE

8d BDX (0.113"X 2.5".MIN)

10d BOX (0.128"X 3.",MIN)

12d BOX (0.128"X 3.25",MIN)

8d CDMMDN (0.131"X 2.5",MIN)

10d CDMMDN (0.148"X 3.",MIN)

12d COMMON (0.148"X 3.25",MIN)

| 16d COMMON (0.162"X 3.5",MIN

GUN (0.120"X 2.5", MIN)

GUN (0.131"X 2.5",MIN)

GUN (0.131"X 3.".MIN)

16d BOX (0.135"X 3.5",MIN)

20d BOX (0.148"X 4.".MIN)

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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

IREF NAIL SPACE DATE 10/01/14 DRWG CNNAILSP1014

MINIMUM NAIL SPACING DISTANCES

Α

3/4"

7/8"

7/8"

7/8"

1″

7/8"

1″

1"

1′

3/4"

7/8"

3/4"

7/8"

DISTANCES

B*

1 5/8"

1 5/8"

1 5/8"

1 7/8"

1 5/8"

1 7/8"

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1 1/8"

1 1/4"

1"

1"

1"

1"

CLR Reinforcing Member Substitution

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

Notes:

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

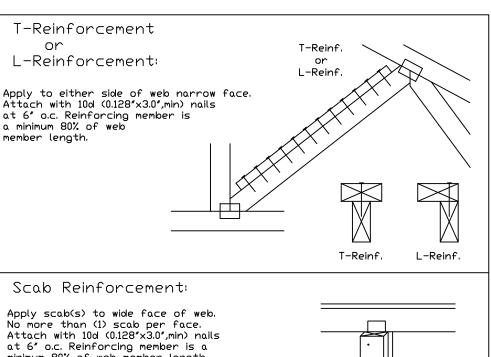
Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type.

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

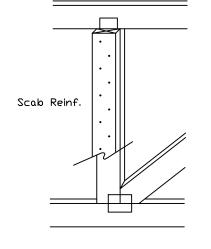
Web Member	Specified CLR	Alternative Reinforecemen				
Size	Restraint	T- or L- Reinf. Scab Reir				
2x3 or 2x4	1 row	2×4	1-2×4			
2x3 or 2x4	2 rows	2×6	2-2×4			
2×6	1 row	2×4	1-2×6			
2×6	2 rows	2×6	2-2×4(*)			
2×8	1 row 2 rows	2×6	1-2×8 2-2×6(*/)			

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

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



minimum 80% of web member length.



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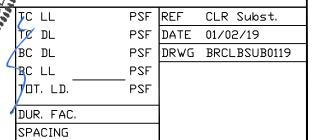
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For more information see this job's general notes page and these web sites 17/2022

ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcacomponents.com; ICC: www.idesaff.com/7/8





Gable Stud Reinforcement Detail

12' 2"

12' 2"

12' 5"

12' 3"

12' 2"

12' 2"

12' 2"

12' 8"

12' 8**"**

12' 11"

12' 9"

12' 8"

12' 8"

12' 8"

14' 0"

14' 0"

14' 0"

14' 0"

14' 0"

14' 0"

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10' 7"

10′ 7″

10' 10"

10′ 9″

10' 8"

10' 8"

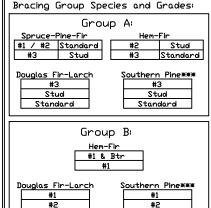
9' 10"

Symm

ASCE 7-16: 140 mph Wind Speed, 30' Mean Height, Enclosed, Exposure C, Kzt = 1.00

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

					Or Or			ed, 30' Mea d, 30' Mear						I				
	2x4 Brace Gable Vertical		No	(1) 1×4 "L	" Brace *	(1) 2x4 "L" Brace *		(2) 2x4 "L" Brace **		(1) 2x6 "L" Brace *		(2) 2×6 *L	Brace **					
_	ı	Species	Grade	Braces	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B				
亡 [CDE	#1 / #2	4′ 1″	6′ 11″	7′ 2″	8′ 2 ″	8′ 6″	9′ 9″	10′ 2″	12′ 10″	13′ 4″	14′ 0″	14′ 0″				
'0		SPF	#3	3′ 10″	6′ 2 ″	6′ 7″	8′ 1 ″	8′ 5 ″	9′8″	10′ 0″	12′ 8 ″	13′ 2″	14′ 0″	14′ 0″				
	<u>ب</u> ا	HF	Stud	3′ 10″	6′ 2″	6′ 6″	8′ 1 ″	8′ 5″	9′ 8″	10′ 0″	12′ 8″	13′ 2″	14′ 0″	14′ 0″				
ļ	10		Standard	3′ 10″	5′ 3 ″	5′ 7 ″	7′ 0″	7′ 6″	9′ 6 ″	10′ 0″	11′ 0″	11′ 10″	14′ 0″	14′ 0″				
ب (0.0	#1	4′ 2″	7′ 0″	7′ 3″	8′ 3″	8′ 7″	9′ 10″	10′ 3″	13′ 0″	13′ 6″	14′ 0″	14′ 0″				
$ \bot $	*	SP	#2	4′ 1″	6′ 11 ″	7′ 2″	8′ 2 ″	8′ 6″	9′ 9″	10′ 2″	12′ 10″	13′ 4″	14′ 0″	14′ 0″				
	4	DFL	#3	4′ 0″	5′ 7 ″	5′ 11″	7′ 5 ″	7′ 11″	9′ 8″	10′ 1″	11′ 7″	12′ 5″	14′ 0″	14′ 0″				
d	lα		Stud	4′ 0″	5′ 7 ″	5′ 11″	7′ 5 ″	7′ 11″	9′ 8″	10′ 1″	11′ 7″	12′ 5″	14′ 0″	14′ 0″				
	. –		Standard	3′ 9″	4′ 11″	5′ 13″	6′ 6″	7′ 0″	8′ 10 ″	9′ 6″	10′ 3″	11′ 0″	13′ 11″	14′ 0″				
<u> </u>		CDE	#1 / #2	4′ 8″	7′ 11″	8′ 3″	9′ 4″	9′ 9″	11′ 2″	11′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″				
1+	-	SPF	#3	4′ 5″	7′ 6″	8′ 3″	9′ 3″	9′ 7″	11′ 0″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″				
(U	Y HF	Stud	4′ 5 ″	7′ 6″	8′ 0 ″	9′ 3″	9′ 7″	11′ 0″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″				
là	Ō	ا م	1 0	ا م	<u>ا</u> ا	1 11	Standard	4′ 5 ″	6′ 5 ″	6′ 10″	8′ 7 ″	9′ 2″	11′ 0″	11′ 6″	13′ 6″	14′ 0″	14′ 0″	14′ 0″
1~						#1	4′ 10″	8′ 0″	8′ 4″	9′ 6″	9′ 10″	11′ 3″	11′ 9″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
>		SP	#2	4′ 8″	7′ 11″	8′ 3″	9′ 4″	9′ 9″	11′ 2″	11′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″				
e 16,	l in		#3	4′ 7″	6′ 10 ″	7′ 3″	9′ 1″	9′ 8″	11′ 1″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″				
	_	DFL	Stud	4′ 7″	6′ 10 ″	7′ 3″	9′ 1″	9′ 8″	11′ 1″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″				
I —			Standard	4′ 5 ″	6′ 0″	6′ 5″	8′ 0″	8′ 7″	10′ 10″	11′ 6″	12′ 7″	13′ 15″	14′ 0″	14′ 0″				
2		CDE	#1 / #2	5′ 2 ″	8′ 9″	9′ 1″	10′ 4″	10′ 9″	11′ 2″	12′ 9 ″	14′ 0″	14′ 0″	14′ 0″	14′ 0″				
lσ	l _	SPF	#3	4' 10"	8′ 7 ″	8′ 11″	10′ 2″	10′ 7″	12′ 2″	12′ 8 ″	14′ 0″	14′ 0″	14′ 0″	14′ 0″				



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

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

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

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

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

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

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

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

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

10' 2"

9' 11"

10′ 5**″**

10' 4"

10' 3"

10' 3"

9' 3"

4' 10"

4' 10"

5′ 4″

5' 2"

5′ 0**″**

5′ 0″

4' 10"

8' 7"

7′ 5″

8' 10"

8' 9"

7' 10"

7' 10"

6' 11"

8' 11"

7' 11"

9′ 2″

9' 1"

8' 4"

8' 4"

7′ 4″

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

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

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

HF

SP

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X

Q

Stud

Standard

#1

#2

#3

Stud

Standard

155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

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

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

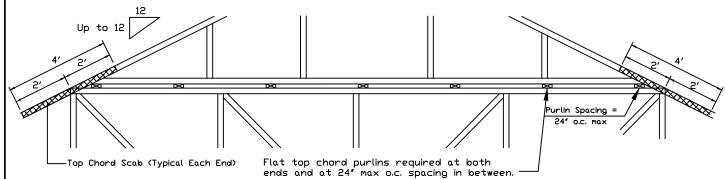
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0. Dr 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

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

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

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

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



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

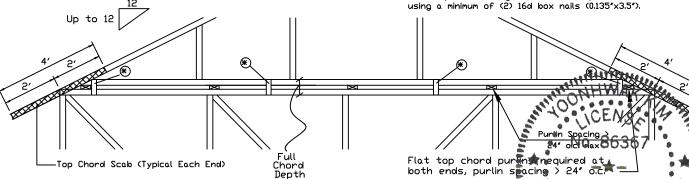
Attach purlin bracing to the flat top chord using (2) 16d box nails (0.135"x3.5").

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

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

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

Attach purlin bracing to the flat top chord



Note: If purlins or sheathing are not specified on the flat top of the bose 0 truss, purlins must be installed at 24" o.c. max. and use Detail A.

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

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

APA Rated Gusset

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

2x4 Vertical Scabs

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

28PB Wave Piggyback Plate

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

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For more information see this job's general notes page and these web sites 02/2022

ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcacomponents.com; ICC: www.sbca



IREF **PIGGYBACK** DATE 01/02/2018

DRWG PB160160118

24.0"

155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SPACING

Valley Detail - ASCE 7-16: 180 mph, 30' Mean Height, Partially Enclosed, Exp. C, Kzt=1.00

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

** Attach each valley to every supporting truss with: 535# connection or with (1) Simpson H2.5A or equivalent connector for

ASCE 7-16 180 mph. 30' Mean Height, Part. Enc. Building, Exp. C, Wind TC DL=5 psf, Kzt = 1.00 Πr

ASCE 7-16 160 mph. 30' Mean Height, Part. Enc. Building, Exp. D, Wind TC DL=5 psf, Kzt = 1.00

Bottom chord may be square or pitched cut as shown.

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

All plates shown are Alpine Wave Plates.

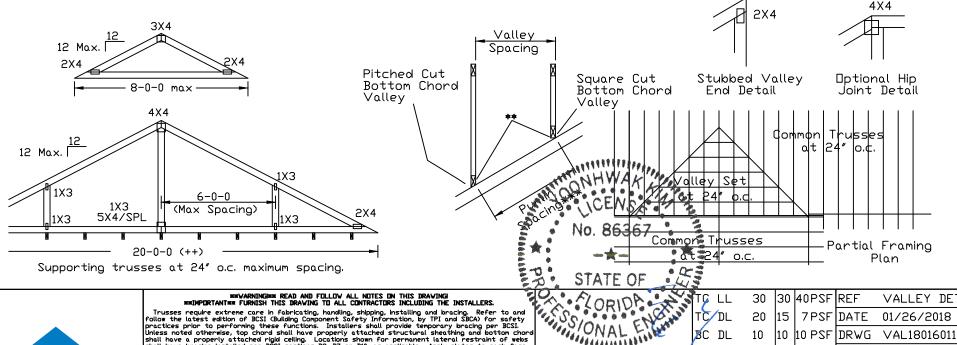
Unless specified otherwise on engineer's sealed design, for vertical valley webs taller than 7-9" apply 2x4 "T" reinforcement, 80% length of web, same species and grade or better, attached with 10d box (0.128" x 3.0") nails at 6" o.c. In lieu of "T" reinforcement, 2x4 Continuous Lateral Restraint applied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

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

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

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

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



155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

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

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For more information see this job's general notes page and these web sites 2/02/2022 8, Yoonhwak Kim, FL PE #86367 SPACING

· ROBIDA	TC LL	30	30	40PSF	REF	VALLEY	DETAIL
J.C. S. L.	TC/DL	20	15	7PSF	DATE	01/26/20	018
MAL	BC DL	10	10	10 PSF	DRWG	VAL18016	50118
	BC LL	0	0	0 PSF		·	
	TUT. LD.	60	55	57PSF			
	DUR.FAC.1.25	5/1.33	1.15	1.15			
oonhwak Kim, FL PE #86367	SPACING		24.	0″			

Valley Detail - ASCE 7-16: 30' Mean Height, Enclosed, Exp. C, Kzt=1.00

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

** Attach each valley to every supporting truss with: (2) 16d box $(0.135" \times 3.5")$ nails toe-nailed for ASCE 7-16, 30' Mean Height, Enclosed Building, Exp. C. Wind TC DL=5 psf, Kzt = 1.00, Max. Wind Speed based on supporting truss material at connection location: 170 mph for SP (G = 0.55, min.), 155 mph for DF-L (G = 0.50, min.), or

120 mph for HF & SPF (G = 0.42, min.).

Maximum top chord pitch is 10/12 for supporting trusses below valley trusses.

Bottom chord of valley trusses may be square or pitched cut as shown.

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

All plates shown are Alpine Wave Plates.

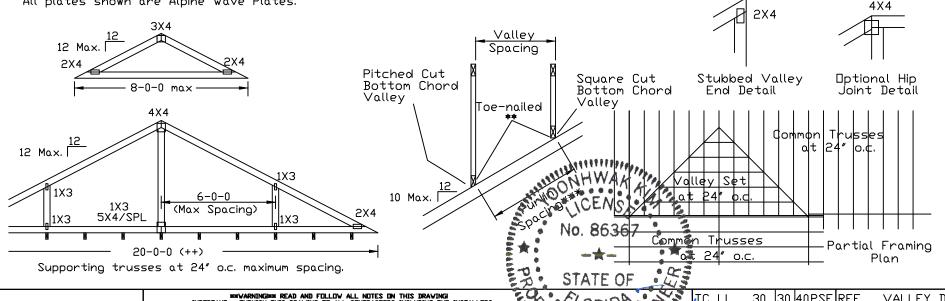
Unless specified otherwise on engineer's sealed design, for vertical valley webs taller than 7-9" apply 2x4 "T" reinforcement, 80% length of web, same species and grade or better, attached with 10d box $(0.128" \times 3.0")$ nails at 6" o.c. In lieu of "T" reinforcement, 2x4 Continuous Lateral Restraint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

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

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

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

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



MAN ON ALTON

vak Kim EL PE #8636



155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

mmIMPORTANTmm FURNISH THIS DRAVING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

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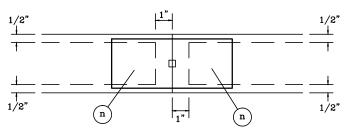
For more information see this job's general notes page and these web sites.

ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcacomponents.com; ICC_www.jccsafe.arg.

100	6	ТC	LL	30	30	40PSF	REF	VALLEY	DETAIL
P.B.		JC.	DL	20	15	7PSF	DATE	01/26/20	018
	/	ВC	DL	10	10	10 PSF	DRWG	VALTN16	0118
	_	BC	LL	0	0	0 PSF			
		rot	Γ. LD.	60	55	57PSF			
	/	DUR.	FAC.1.25	5/1.33	1.15	1.15			
7		SPA	ACING		24.	0"			

TRULOX INFORMATION DETAIL

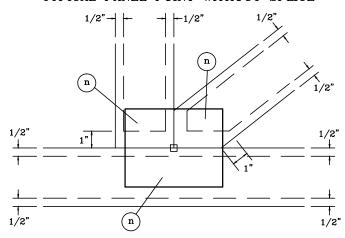
TYPICAL OFF PANEL SPLICE



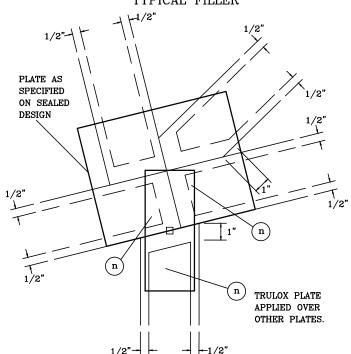
DO NOT APPLY NAILS WITHIN 1/2" OF LUMBER EDGES OR 1" OF LUMBER ENDS ON EACH FACE, AS SHOWN BY DASHED LINES.

NAILS MUST NOT SPLIT LUMBER.

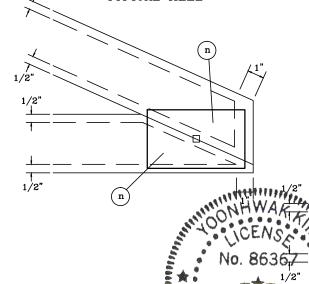
TYPICAL PANEL POINT WITHOUT SPLICE



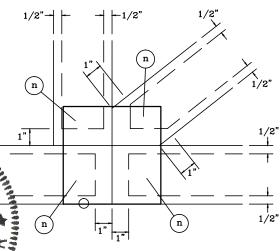




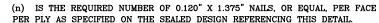
TYPICAL HEEL



TYPICAL PANEL POINT SPLICE



NOTES:



- O LOCATES PLATE CORNER OR FLUSH EDGE.
- ☐ LOCATES PLATE CENTER.

CORIDA CHANGE

TRULOX PLATING

160 TL

PAGE 1 OF 1 DATE 10/01/14

155 Harlem Ave

North Building, 4th Floor Glenview, IL 60025

12/02/2022 8, Yoonhwak Kim, FL PE #86367