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COA #0 278

Florida Certificate of Product Approval #FL 1999 04/18/2022



Alpine, an ITW Company

North Building, 4th Floor

155 Harlem Ave

Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 22-7310
Job Description: Parnell	
Address:	

Job Engineering Criteria:			
Design Code: FBC 7th Ed. 2020 Res.	IntelliVIEW Version: 21.01.01A through 21.02.01		
	JRef #: 1XeT2150011		
Wind Standard: ASCE 7-16 Wind Speed (mph): 130	Design Loading (psf): 40.00		
Building Type: Closed			

This package contains general notes pages, 96 truss drawing(s) and 6 detail(s).

Item	Drawing Number	Truss
1	108.22.1559.07365	A01
3	108.22.1559.06538	A03
5	108.22.1559.06366	A05
7	108.22.1559.07006	A07
9	108.22.1559.05865	A09
11	108.22.1559.05741	A11
13	108.22.1559.06178	A13
15	108.22.1559.06881	A15
17	108.22.1559.07896	A17
19	108.22.1559.07568	A19
21	108.22.1559.05990	A21
23	108.22.1559.07631	A23
25	108.22.1559.07100	A25
27	108.22.1559.06726	A27
29	108.22.1559.06976	A29
31	108.22.1559.05975	B02
33	108.22.1559.07851	B04
35	108.22.1559.06319	B06
37	108.22.1559.07351	B08
39	108.22.1559.07164	B10
41	108.22.1559.05944	B12
43	108.22.1609.01940	B14
45	108.22.1559.07710	B16
47	108.22.1559.06521	B18
49	108.22.1559.06693	B20

Item	Drawing Number	Truss
2	108.22.1559.06194	A02
4	108.22.1559.07209	A04
6	108.22.1559.06944	A06
8	108.22.1559.07146	A08
10	108.22.1559.05897	A10
12	108.22.1559.06085	A12
14	108.22.1559.06740	A14
16	108.22.1559.07882	A16
18	108.22.1559.05945	A18
20	108.22.1559.06805	A20
22	108.22.1559.07554	A22
24	108.22.1559.07647	A24
26	108.22.1559.07459	A26
28	108.22.1559.06257	A28
30	108.22.1559.07304	B01
32	108.22.1559.07053	B03
34	108.22.1559.07852	B05
36	108.22.1559.06631	B07
38	108.22.1559.06615	B09
40	108.22.1559.05740	B11
42	108.22.1608.59010	B13
44	108.22.1559.06475	B15
46	108.22.1559.05555	B17
48	108.22.1559.07522	B19
50	108.22.1559.07038	B21

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version.



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

COA #0 278

Florida Certificate of Product Approval #FL 1999 04/18/2022

Site Information:	Page 2:
Customer: W. B. Howland Company, Inc.	Job Number: 22-7310
Job Description: Parnell	
Address:	

Item	Drawing Number	Truss
51	108.22.1559.06287	B22
53	108.22.1559.06334	B24
55	108.22.1559.07444	B26
57	108.22.1559.05553	B28
59	108.22.1559.06898	B30
61	108.22.1559.07178	C01
63	108.22.1559.06897	C03
65	108.22.1559.05584	D01
67	108.22.1559.07101	D03
69	108.22.1559.06413	E01
71	108.22.1559.06443	J01
73	108.22.1559.07334	J02
75	108.22.1559.06225	J03
77	108.22.1559.06975	J04
79	108.22.1559.07725	J05
81	108.22.1559.06084	J06
83	108.22.1559.07693	J08
85	108.22.1559.07256	J10
87	108.22.1559.06397	J12
89	108.22.1559.06882	J14
91	108.22.1559.05554	J16
93	108.22.1559.07398	J18
95	108.22.1559.07163	PB01
97	A14015ENC160118	
99	BRCLBSUB0119	
101	GBLLETIN0118	

Item	Drawing Number	Truss
52	108.22.1559.07537	B23
54	108.22.1559.07756	B25
56	108.22.1559.06490	B27
58	108.22.1559.07772	B29
60	108.22.1559.06523	B31
62	108.22.1559.06662	C02
64	108.22.1559.06584	C04
66	108.22.1559.07741	D02
68	108.22.1559.07646	D04
70	108.22.1559.07600	E02
72	108.22.1559.06272	J01HJ
74	108.22.1559.07491	J02HJ
76	108.22.1559.06694	J03HJ
78	108.22.1559.06162	J04HJ
80	108.22.1559.06600	J05HJ
82	108.22.1559.06459	J07
84	108.22.1559.06772	J09
86	108.22.1559.05742	J11
88	108.22.1559.06147	J13
90	108.22.1559.07460	J15
92	108.22.1559.06804	J17
94	108.22.1559.07818	J19
96	108.22.1559.05929	PB02
98	A14030ENC160118	
100	DEFLCAMB1014	
102	PB160160118	

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.

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): 0.207 G 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.413 G 934 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.087 K
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.174 K
NCBCLL: 0.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.329
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.535
Spacing: 24.0 "	C&C Dist a: 3.23 ft	Rep Fac: Yes	Max Web CSI: 0.575
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 21.02.01.1216.15
I complete		Dietie e Netes	

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; W1,W2,W11 2x4 SP M-31; W12 2x4 SP #2;

Nailnote

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

Repeat nailing as each layer is applied. 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)					
	From	62 plf at		62 plf at	7.00
TC: I	From	31 plf at	7.00 to	31 plf at	32.33
BC:	From	20 plf at	0.00 to	20 plf at	7.03
BC:	From	10 plf at	7.03 to	10 plf at	32.33
TC:	260 lb	Conc. Load	d at 7.03		
TC:	110 lb	Conc. Load	d at 9.06,11	.06,13.06,1	5.06
TC:	188 lb	Conc. Load	d at 17.06,19	9.06,21.06,2	29.06
31.06					
TC:	181 lb	Conc. Load	d at 23.06,25	5.06,27.06	
BC:	639 lb	Conc. Load	d at 7.03		
BC:	169 lb	Conc. Load	d at 9.06,11	.06,13.06,1	5.06

129 lb Conc. Load at 17.06,19.06,21.06,29.06

Hangers / Ties

BC:

(J) Hanger Support Required, by others

BC: 139 lb Conc. Load at 23.06,25.06,27.06

Plating Notes

All plates are 2X4 except as noted.

(++) - This plate works for both joints covered.

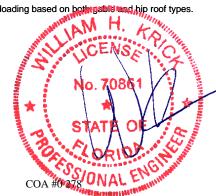
(**) 4 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Purlins

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

Wind loads and reactions based on MWFRS. Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 3085 /-3186 /-/-/492 Wind reactions based on MWFRS Brg Wid = 5.5Min 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 562 - 3118 C-D 623 - 3279 G-H 554 - 3076 D-E 470 - 2421 H - I 363 - 2202 520 - 2727

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - Y 1378 S-Q 2758 - 259 - 528 2809 - 533 - 485 C: - W Q-N 2563 W - U 2773 - 526 M - L 1436 - 227 U-T 2938 - 559 1 - K 1436 - 227 T - S 2156 - 416

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. C - Y 285 - 1521 W - X 964 1018 - 185 N - H - 210 X - Y 1081 - 199 N - M 1931 -317 425 U-D - 62 H - M 171 -674 D - T 147 - 164 - 801 M - I 928 E - T 470 - 56 I - K 269 - 1698

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

E-S

715 - 129

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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: 88463 / HIPM Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T52 / FROM: Qty: 1 DrwNo: 108.22.1559.06194 Parnell Truss Label: A02 AK / FV 04/18/2022 5'7"13 9 16'4"12 21'5"9 26'8"3 32'4" 5'7"13 3'4"3 7'4"12 5'0"13 5'2"9 5'7"13 =4X6 ₩7X6 E ≡5X5 G ≡3X4 H ТЗ 6 12 //3X4 D 4'10"3 S 5'6"1 4" 4"3 =2.5X6(A1) =2 =2.5X6(A1) =2 =3X4(**)(I) =3X4(**) **B2** R ≡3X4 K ≡6X6 =6X8 **∥2.5**X6 32'4' 1"12 211"12 3'5"15 7'3" 5'4"5 1'6" 1'10" 21'7"5 26'11"11 1'10' 32'4 2'6"5 2'10" 5'6"1

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): 0.209 U 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.426 U 907 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.104 K
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.211 K
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.536
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.725
Spacing: 24.0 "	C&C Dist a: 3.23 ft	Rep Fac: Yes	Max Web CSI: 0.839
	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

Non-Gravity

▲ Maximum Reactions (lbs) Gravity

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;

Plating Notes

All plates are 2X4 except as noted.

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

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

Hangers / Ties

(J) Hanger Support Required, by others

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.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

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



Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL
В	1434	/-	/-	/861	/255	/180
J	1323	/-	/-	/680	/257	/-
Wir	nd read	tions bas	sed on I	MWFRS		
В	Brg W	/id = 5.5	Min	Req = 1.7	(Truss	s)
J	Brg V	/id = -	Min	Req = -		
Bea	aring B	is a rigio	surfac	e.		
Mei	mbers	not listed	have f	orces less	than 3	75#
Max	kimum	Top Ch	ord Fo	rces Per	Ply (lb:	s)
Cho	ords T	ens.Con	np.	Chords	Tens.	Comp.
В-	_	785 - 20	าวก	F-G	1457	- 2844
C-	-	1405 - 32		G - H		- 2098
D -	_	1180 - 2		H - I	697	- 1338
E-		1465 - 28		11-1	091	- 1000
_		1-00 - 20				

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - X	1551 - 768	S-R	2893 - 1390
C - V	2582 - 1246	R-P	2223 - 1101
V - T	2568 - 1240	P - M	2065 - 941
тς	2009 1205	ı k	1/0/ 729

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C-X	750 - 1485	M - G	897 - 459
V - W	899 - 432	M - L	1927 - 942
W - X	988 - 483	G-L	501 - 804
S - D	405 - 136	L-H	934 - 449
D - R	342 - 793	H - K	653 - 1022
E-R	505 - 65	K-I	1756 - 914
E - M	826 - 444	l - J	717 - 1278
F - M	377 - 425		

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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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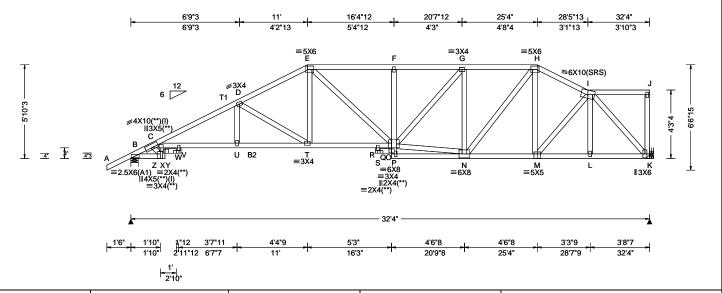
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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: 88468 / SPEC Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T75 / FROM: DrwNo: 108.22.1559.06538 Qty: 1 Parnell Truss Label: A03 AK / FV 04/18/2022



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.
	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.263 W 999 240	4 5
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.535 W 721 180	E
10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.118 K	k
Doe d⋅ /0 00	EXP: C Kzt: NA		HORZ(TL): 0.240 K	۷
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	B
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.605	K
	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.733	E
l	C&C Dist a: 3.23 ft	Rep Fac: Yes	Max Web CSI: 0.882	ľ
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		٦
	GCpi: 0.18	Plate Type(s):] ~
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15	E
i		•		- (

555	270	
721	180	B 14
-	-	K 13
-	-	Wind
		в в
		к в
		Bearin
		Memb
		Maxin
		Chord
6 15		B-C

▲ Ma	▲ Maximum Reactions (lbs)						
	Gravity Non-Gravity						
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
В	1434	/-	/-	/871	/255	/160	
K	1323	/-	/-	/670	/248	/-	
Win	d read	tions ba	sed on	MWFRS			
В	Brg V	Vid = 5.5	Min	Req = 1.7	(Truss	s)	
K	Brg V	Vid = -	Min	Req = -	•		
Bea	ring B	is a rigio	surfa	ce.			
Men	nbers	not listed	have	forces less	s than 3	375#	
Max	imun	Top Ch	ord F	orces Per	Ply (lb:	s)	
Cho	rds 1	Tens.Con	np.	Chords	Tens.	Ćomp.	
B - 0	7	723 - 20	006	F-G	1111	- 2232	
Č-1	-	1196 - 30		G - H	898	- 1781	
D-E	=	1008 - 2		H-I	723	- 1520	

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

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

Hangers / Ties

(J) Hanger Support Required, by others

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.

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

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



Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.C	omp.	Chords	Tens.	Comp		
B - Z	1536	- 705	T-R	1952	- 88		

86 C - X 2371 - 1032 R - 0 1823 - 790 X - V 2355 - 1026 N - M 1324 -606 V - U 2711 - 1173 M - I 1141 - 529 U - T 2700 - 1171 1144 - 528 L-K

Maximum Web Forces Per Ply (lbs)

1115 - 2241

Webs	Tens.Comp.	Webs	Tens. (Comp.
C-Z	684 - 1450	E-O	493	- 270
X - Y	876 - 391	O - G	647	- 305
Y - Z	967 - 439	O - N	1665	- 767
U - D	417 - 73	G - N	479	- 757
D - T	338 - 885	N - H	721	- 372
E-T	479 - 79	I-K	754	- 1637

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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: 62019 / SPEC Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T67 / FROM: DrwNo: 108.22.1559.07209 Qty: 1 Parnell Truss Label: A04 AK / FV 04/18/2022 6'10"9 13' 18'2" 23'4" 30'5"13 32'4" 6'10"9 6'1"7 5'2" 5'2" 7'1"13 1'10"3 ∥2X4 E **#7**2€ =6X6 ≅6X10(SRS) |||2X4 **∮**5X5 6'10"3 7'6"15 3'3"4 M ∥2X4 ≡5X5 K ≡3X8 =3X6(A1) =5X5 112.5X6 32'4" 6'9"4 5'2" 6'2"12 5'2" 1'6" 6'9"4 13' 18'2' 23'4 32'4

FXP· C Kzt· NA	Ct: NA
Des Ld: 40.00 Mean Height: 15.00 ft Building 0	Ed. 2020 Res. Max TC CSI: 0.645 2014 Max BC CSI: 0.770 Yes Max Web CSI: 0.563 0(0)/10(0)

Lumber

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

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.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

▲ Maximum Reactions (lbs) Gravity

Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL	
В	1434	/-	/-	/877	/256	/182	
1	1323	/-	/-	/704	/240	/-	
Win	d reac	tions bas	sed on MV	WFRS			
В	Brg W	/id = 5.5	Min Re	q = 1.7	(Truss	s)	
1	Brg W	/id = -	Min Re	eq = -	•	•	
Bea	ring B	is a rigid	surface.	•			
Members not listed have forces less than 375#							
			ord Force				
						-	

Non-Gravity

0110100	rono.comp.	Onlordo	rono. Comp.
B-C C-D	800 - 2417	E-F	779 - 1617
C-D	762 - 1865	F-G	650 - 1620
D-F	779 - 1617		

Maximum Bot Chord Forces Per Ply (lbs)

Choras	rens.c	omp.	Cnoras	rens. (∍omp.	
B - M	2084	- 767	K-J	1361	- 498	
M - L	2081	- 769	J - I	812	- 343	
L-K	1587	- 612				

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
C-L	181	- 566	J - G	594	- 179
D-L	453	- 33	G - I	660	- 1517
K-F	414	- 246			



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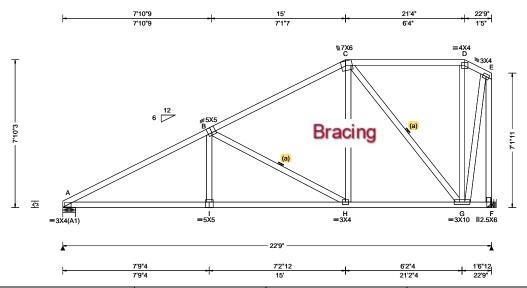
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SEQN: 62022 / HIPS Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T45 / FROM: DrwNo: 108.22.1559.06366 Qty: 1 Truss Label: A05 AK / FV 04/18/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximur
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 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): 0.045 I 999 240 VERT(CL): 0.093 I 999 180 HORZ(LL): 0.017 G HORZ(TL): 0.035 G Creep Factor: 2.0 Max TC CSI: 0.650 Max BC CSI: 0.627 Max Web CSI: 0.878 VIEW Ver: 21.02.00.1005.17	Gra Loc R+ A 940 F 929 Wind reacti A Brg Wi F Brg Wi Bearing A i Members n Maximum Chords Te A - B

▲ M	axim	um Read	tions	(lbs)		
	(Gravity		N	on-Grav	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Α	940	/-	/-	/596	/36	/193
F	929	/-	/-	/539	/121	/-
Win	d rea	ctions ba	sed on	MWFRS		
Α	Brg \	Wid = 8.0) Mir	Req = 1.	5 (Trus	s)
F	Brg \	Wid = -	Mir	Req = -		
Bea	ring /	A is a rigid	d surfa	ce.		
Men	nbers	not liste	d have	forces les	s than 3	375#
Max	imu	n Top Cl	nord F	orces Per	Ply (lb	s)
Cho	rds	Tens.Cor	np.	Chords	Tens.	Ćomp.
A - E	3	413 - 1	541	B - C	323	- 849

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

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

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. 1297 - 553 665 - 314 1293 - 554 I-H

Maximum Web Forces Per Ply (lbs)						
Webs	Tens.C	Comp.	Webs	Tens. (Comp.	
B - H	275	- 719	G-E	896	- 488	
C - H	536	- 62	E-F	461	- 934	
C-G	333	- 730				



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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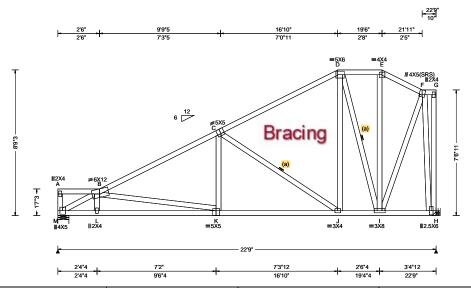
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A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



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

SEQN: 62401 / SPEC Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T80 / FROM: DrwNo: 108.22.1559.06944 Qty: 1 Parnell Truss Label: A06 AK / FV 04/18/2022



▲ N	laxim	num Rea	ctions (lbs)		
	(Gravity	-	. No	on-Gra	vity
Loc	: R+	/ R-	/ Rh	/ Rw	/ U	/ RL
м	937	/-	/-	/557	/18	/185
Н	937	/-	/-	/556	/95	/-
Wir	nd rea	actions b	ased on	MWFRS		
М	Brg	Wid = 8.	0 Min	Req = 1.5	5 (Trus	s)
Н	Brg	Wid = -	Min	Req = -	•	•
Bea	aring	M is a rig	gid surfac	ce.		
Mei	mber	s not liste	ed have t	forces les	s than	375#
Max	ximu	m Top C	hord Fo	rces Per	Ply (lb	s)
Cho	ords	Tens.Co	mp.	Chords	Tens.	Ćomp.
В-	-		1378	E-F	188	- 390
ıС-	D	240	- 680			

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

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.	mp.	
M - L	1626 - 643	K-J	1150 - 465	;	
L-K	1616 - 651	J - I	508 - 205	,	

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
M - B	448 - 1822	D-J	553 - 120
B - K	202 - 462	D - I	254 - 648
K-C	388 0	I-F	665 - 265
C-J	317 - 782	F-H	409 - 883



Florida Certificate of Product Approval #FL 1999

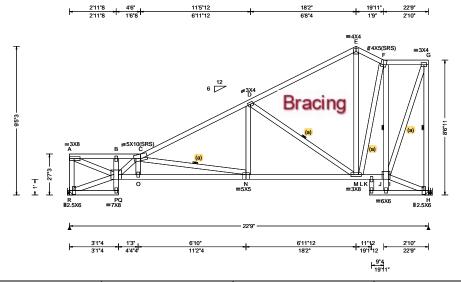
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SEQN: 62407 / SPEC Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T41 / FROM: DrwNo: 108.22.1559.07006 Qty: 1 Truss Label: A07 AK / FV 04/18/2022



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): 0.115 C 999 240
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.233 C 999 180
10.00 IU.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.067 H
Dec I d: 40 00	EXP: C Kzt: NA		HORZ(TL): 0.137 H
NCBCLL: 10.00	Mean Height: 16.01 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.595
l	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.806
1	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.816
' •	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: 21.02.00.1005.17

▲ Ma	▲ Maximum Reactions (lbs)						
	(3ravity		. N	Ion-Grav	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
R	937	/-	/-	/535	/14	/178	
H :	937	/-	/-	/575	/111	/-	
Win	d rea	ctions b	ased or	MWFRS			
R	Brg \	Nid = -	Mir	n Req = -			
Н	Brg \	Nid = -	Mir	n Req = -			
Men	Members not listed have forces less than 375#						
Maximum Top Chord Forces Per Ply (lbs)							
Cho	rds '	Tens.Co	omp.	Chords	Tens.	Comp.	
A - E	3	885 -	2002	D-E	188	- 602	
B - 0	2		2070	E-F	205	- 487	
C-i	5	377 -					

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.

Hangers / Ties

(J) Hanger Support Required, by others

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.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

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

Maximum Bot Chord Forces Per Ply (lbs)

	mp.	
P - O 2665 - 1185 N - M 1203 - O - N 2673 - 1197	499	

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - R	443 - 880	D - M	396 - 928
A - P	2142 - 947	M - F	524 - 157
P - C	9 - 719	F-I	343 - 775
C - N	708 - 1476	I-G	876 - 369
N - D	516 - 70	G - H	435 - 904



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

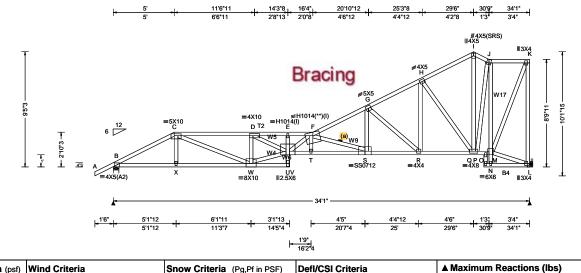
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SEQN: 62598 / SPEC Ply: 2 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T54 / Qty: 1 FROM: DrwNo: 108.22.1559.07146 Page 1 of 2 Truss Label: A08 AK / FV 04/18/2022

2 Complete Trusses Required



TCDL: 10.00 Speed: 130 mph Pf: NA Ce: NA VERT(LL)	tion in loc L/defl L/#
BCLL: 0.00 Enclosure: Closed Lu: NA Cs: NA VERT(CL)	
DELL. 0.00 PER CONTROL LU. IVA CS. IVA	4 000 E 070 40
RCDL 10.00 Risk Category: II Snow Duration: NA HORZ(LL)): 1.098 F 370 18
IDODE: 10.00 I IOOV Dalation. 141 INOTECED): -0.154 I - -
Des Ld: 40.00 EXP: C Kzt: NA HORZ(TL)): 0.311 I - -
NCBCLL: 0.00 Mean Height: 15.00 ft TCDL: 5.0 psf Building Code:	ctor: 2.0
Soffit: 0.00 BCDL: 5.0 psf FBC 7th Ed. 2020 Res. Max TC C	SI: 0.742
Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 TPI Std: 2014 Max BC C	SI: 0.745
	CSI: 0.788
Loc. from endwall: not in 9.00 ft FT/RT:20(0)/10(0)	
GCpi: 0.18 Plate Type(s):	
Wind Duration: 1.60 WAVE, HS, 18SS VIEW Ver	: 21.02.00.1005.17

Lumber

Top chord: 2x4 SP #2; T2 2x4 SP M-31; Bot chord: 2x4 SP M-31; B4 2x4 SP #2; Webs: 2x4 SP #3; W4 2x4 SP M-31; W5,W6,W9, W17 2x4 SP #2;

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 @12.00" o.c. Webs : 1 Row @ 4" o.c.

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

Special Loads

(Lumber	Dur.Fac.=1	.25 / Plate [Dur.Fac.=1.2	25)
TC: From	62 plf at	-1.50 to	62 plf at	5.00
TC: From	31 plf at	5.00 to	31 plf at	11.27
TC: From	62 plf at	11.27 to	62 plf at	34.08
BC: From	20 plf at	0.00 to	20 plf at	5.03
BC: From	10 plf at	5.03 to	10 plf at	11.27
BC: From	20 plf at	11.27 to	20 plf at	34.08
TC: 238 lb	Conc. Load	at 5.03		
TC: 128 lb	Conc. Load	at 7.06, 9.	06	
TC: 137 lb	Conc. Load	at 10.23		
BC: 273 lb	Conc. Load	lat 5.03		
BC: 90 lb	Conc. Load	lat 7.06, 9.	06	
BC: 93 lb	Conc. Load	l at 10.23		
BC: 1052 lb	Conc. Load	l at 11.27		

Plating Notes

All plates are 2X4 except as noted.

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

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

Hangers / Ties

(J) Hanger Support Required, by others

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

Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 40 80 /483 /-В 2949 /-1923 /-/-/301 Wind reactions based on MWFRS Brg Wid = 5.5Min 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 448 - 2872 - 1380 217 C-D 637 - 4462 H - I 97 - 581 D-E 1080 - 7523 I-J - 548 86 E-F 1101 - 7663 J - K 61 - 390 F-G 433 - 2845

Maximum Bot Chord Forces Per Ply (lbs)

Tens.C	Comp.	Chords	Tens. (Comp.
2533	- 391	S-R	2432	- 366
2544	- 388	R-Q	1161	- 178
6706	- 982	Q - O	406	-63
6735	- 988	O - M	396	- 66
	2533 2544 6706	2533 - 391 2544 - 388 6706 - 982 6735 - 988	2533 - 391 S - R 2544 - 388 R - Q 6706 - 982 Q - O	2533 - 391 S - R 2432 2544 - 388 R - Q 1161 6706 - 982 Q - O 406

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C-W	2069 - 269	G-R	247 - 1657
W - D	349 - 1793	R - H	1162 - 143
W - U	4674 - 672	H-Q	176 - 1152
D - U	3297 - 472	I - Q	385 - 40
U - F	1191 - 149	Q - J	542 - 76
T-F	110 - 583	J - M	138 - 811
F-S	648 - 4474	M - K	975 - 151
S - G	1606 - 204	K-L	157 - 942

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SEQN: 62598 / SPEC Ply: 2 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T54 / DrwNo: 108.22.1559.07146 FROM: Qty: 1 Page 2 of 2 Truss Label: A08 AK / FV 04/18/2022

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.



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SEQN: 62519 / SPEC Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T1 / FROM: Qty: 1 DrwNo: 108.22.1559.05865 Parnell Truss Label: A09 AK / FV 04/18/2022 10'8"3 14'3"8 18'4" 24'5"4 30'3' 34'1" 3'8"3 3'7"5 4'0"8 6'1"4 5'9"12 3'10" **∥4X4** Bracing , **∥2X4 ≢6X10(SRS**) =5X10 =5X5 0 ∥2X4 PC ≡6X12 III2X4 =7X8 ≡6X8 ∥2X4 S ∥2X4 K ∥2.5X6 7'1"12 3'4"11 3'10"13 5'11"8 6'2"4 10'6"7

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pa.Pf in PSF)	Defl/CSI Criteria
Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 0.00 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 to 2h C&C Dist a: 3.41 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.312 O 999 240 VERT(CL): 0.637 O 639 180 HORZ(LL): 0.104 K HORZ(TL): 0.212 K Creep Factor: 2.0 Max TC CSI: 0.571 Max BC CSI: 0.642 Max Web CSI: 0.863
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00.1005.17

Lumber

Top chord: 2x4 SP #2; T2 2x4 SP M-31; Bot chord: 2x4 SP #2; B2 2x4 SP M-31; Webs: 2x4 SP #3; W4 2x4 SP #2;

(a) Continuous lateral restraint equally spaced on

Plating Notes

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

Hangers / Ties

(J) Hanger Support Required, by others

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.

Pg: NA	Ct: NA	CAT: NA	PP Deflection	on in	loc L	/defl		
Pf: NA		Ce: NA	VERT(LL):	0.31	2 0	999	240	L
∟u: NA	Cs: NA		VERT(CL):	0.63	7 O	639	180	E
Snow Du	ration: NA		HORZ(LL):	0.10	4 K	-	-	ŀ
			HORZ(TL):	0.21	2 K	-	-	١
Building (Code:		Creep Facto	or: 2.0)			E
FBC 7th I	Ed. 2020 F	Res.	Max TC CS	l: ().571			ŀ
TDI CAA.	2014		May DC CC		0.40			E

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL 1506 /-/915 /257 1395 /851 /-/142 Wind reactions based on MWFRS Brg Wid = 5.5Min Reg = 1.8 (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. 885 - 2544 603 - 2138 C-D 1060 - 2829 G-H 198 - 705 D-E 1788 - 4731 214 H - I - 553 1805 - 4774 214 - 547

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.	
B-S S-R P-O	2190 - 1072 2195 - 1069 4642 - 1825	O - N N - L	4643 - 1830 1794 - 684	

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C-R	897 - 357	N - G	1334 -413
R - D	669 - 1426	G-L	628 - 1661
R-P	2904 - 1325	L-J	1382 - 541
D-P	2216 - 863	J - K	572 - 1356
F-N	1233 - 3052		



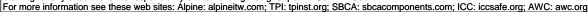
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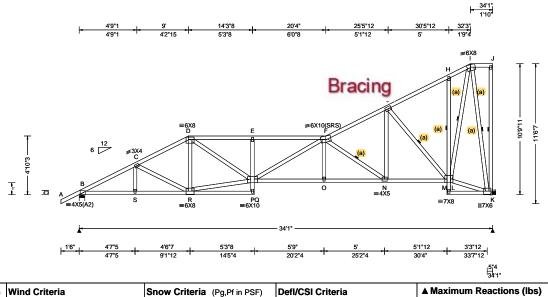
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SEQN: 62068 / SPEC Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 FROM: DrwNo: 108.22.1559.05897 Qty: 1 Parnell Truss Label: A10 AK / FV 04/18/2022



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): 0.239 E 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.486 E 837 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.099 K
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.201 K
NCBCLL: 10.00	Mean Height: 15.20 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.717
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.846
Spacing: 24.0 "	C&C Dist a: 3.41 ft	Rep Fac: Yes	Max Web CSI: 0.813
	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: 21.02.00.1005.17

Lumber

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

(a) Continuous lateral restraint equally spaced on

Plating Notes

All plates are 2X4 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

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.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

now Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (Ib	JS)
g: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	No
f: NA Ce: NA	VERT(LL): 0.239 E 999 240	Loc R+ /R- /Rh	/ Rw
u: NA Cs: NA	VERT(CL): 0.486 E 837 180	B 1506 /- /-	/924
now Duration: NA	HORZ(LL): 0.099 K	K 1395 /- /-	/872
	HORZ(TL): 0.201 K	Wind reactions based on M	WFRS
uilding Code:	Creep Factor: 2.0	B Brg Wid = 5.5 Min R	eq = 1.8
BC 7th Ed. 2020 Res.	Max TC CSI: 0.717	K Brg Wid = - Min R	eq = -
PI Std: 2014	Max BC CSI: 0.846	Bearing B is a rigid surface	
ep Fac: Yes	Max Web CSI: 0.813	Members not listed have fo	rces less
T/RT:20(0)/10(0)	INIAX WED COI. 0.010	Maximum Top Chord Fore	ces Per
1/R1:20(0)/10(0)		Charda Tana Camp C	كالمعطم

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

B-C	821 - 2621	F-G		- 1811
C-D	814 - 2322	G-H		- 684
D - E E - F	1318 - 3396 1327 - 3418	H-I	223	- 645

Non-Gravity

/192

Chords Tens. Comp.

/RL

/120 /284

/Rw /U

Min Reg = 1.8 (Truss)

Maximum Bot Chord Forces Per Ply (lbs)

Cnoras	rens.Comp.	Cnoras	rens. Com	p.
B - S S - R P - O	2281 - 1084 2280 - 1086 3258 - 1300	O - N N - L	3254 - 13 1514 - 5	

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
D-P	1632 - 691	G-L	587 - 1491
R-P	1993 - 976	L-I	1595 - 590
F-N	865 - 2098	I-K	545 - 1394
N - G	1303 - 439		



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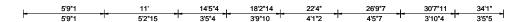
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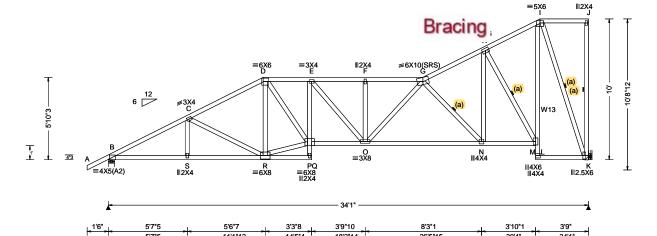
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SEQN: 62577 / SPEC Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 FROM: Qty: 1 DrwNo: 108.22.1559.05741 Parnell Truss Label: A11 AK / FV 04/18/2022





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): 0.194 F 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.396 F 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.187 K
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.381 K
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.372
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.841
Spacing: 24.0 "	C&C Dist a: 3.41 ft	Rep Fac: Yes	Max Web CSI: 0.737
	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: 21.02.00.1005.17

Lumber

Top chord: 2x4 SP #2;

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

(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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

B - C C-D 779 - 2169 G-H D-E 1067 - 2607 H - I

Chords Tens.Comp.

Brg Wid = -

Bearing B is a rigid surface.

1000 - 2618

▲ Maximum Reactions (lbs) Gravity

Wind reactions based on MWFRS Brg Wid = 5.5

/Rh

/R

Loc R+

1506 /-

1395

Maximum Bot Chord Forces Per Ply (lbs)

Tens.Comp.	Chords	Tens. (Jomp.
2268 - 1030	O - N	2349	- 1013
2265 - 1032	N - L	1225	- 503
2623 - 1227	M - K	454	- 188
	2268 - 1030 2265 - 1032	2268 - 1030 O - N 2265 - 1032 N - L	2268 - 1030 O - N 2349 2265 - 1032 N - L 1225

Non-Gravity

/208

1001 - 2618

- 646

450 - 1472

217

/Rw /U

/936

/837

Min Reg = 1.8 (Truss)

Min Req = -

Chords

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

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens.	Comp.
 C - R	148 - 446	N-H	1305	- 459
D - P	1235 - 566	H-L	579	- 1420
R-P	1935 - 930	L-I	1339	- 497
O - G	402 - 257	I-K	563	- 1358
G - N	734 - 1602			



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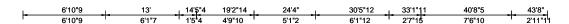
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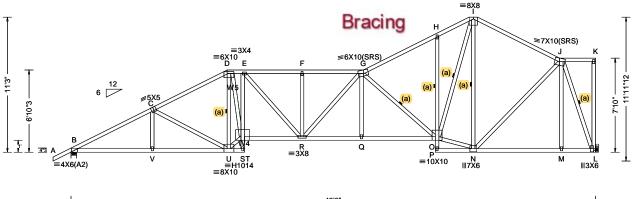
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025 SEQN: 62581 / SPEC Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T68 / FROM: DrwNo: 108.22.1559.06085 Qty: 1 Parnell Truss Label: A12 AK / FV 04/18/2022





Wind	Criteria	Snow Criter	ria (Pg,Pf in PSF)	Defl/CSI Cri	teria	▲ Maximum Reaction	ns (lbs)
- ^{1'6"} -	6'9"4		3"8 4'9"10 4'5"4 19'2"14	4'11"6 24'2"4	6'1"12 30'4"	10'6"1 40'10"1	2'9"15 43'8"
F				— 43'8" ———			7
<u>_</u>				— 43'8" ———			

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.42 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h	Pg: NA Ct: NA CAT: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.321 F 999 240 VERT(CL): 0.655 F 797 180 HORZ(LL): 0.147 L HORZ(TL): 0.301 L Creep Factor: 2.0 Max TC CSI: 0.691 Max BC CSI: 0.906	
Spacing: 24.0 "	C&C Dist a: 4.37 ft Loc. from endwall: not in 13.00 ft		Max Web CSI: 0.879	N
	Loc. from endwall: not in 13.00 ft GCpi: 0.18	Plate Type(s):		2
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 21.02.00.1005.17] E

Gravity Non-Gravity Loc R+ /Rh /Rw /U 1900 /-/1174 /62 /302 1790 /982 /-/68 Wind reactions based on MWFRS Brg Wid = 5.5Min Reg = 2.2 (Truss) 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. 982 - 3412 1251 - 3479 C-D 954 - 2890 G-H 790 - 2278

Lumber

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; W4,W5 2x4 SP #2;

(a) Continuous lateral restraint equally spaced on

Plating Notes

All plates are 2X4 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

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.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

D-E 1161 - 3195 H - I 876 - 2211 1251 - 3479 - 1531 Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chords Tens. Comp. B - V 2971 - 1107 Q - Q 3503 - 1250 V - U 2968 - 1109 N - M 690 - 230 M - L 692 - 229

S - R 3226 - 1211 3502 - 1247 R - Q

Maximum Web Forces Per Ply (lbs)

		Comp.
G - O	795	- 2051
O - I	2309	- 867
O - N	1338	- 403
I - N	377	- 953
N - J	858	- 242
J - L	623	- 1886
	O - I O - N I - N N - J	O - I 2309 O - N 1338 I - N 377 N - J 858



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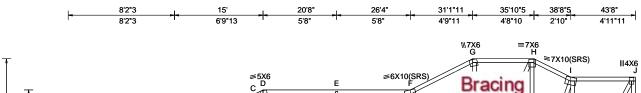
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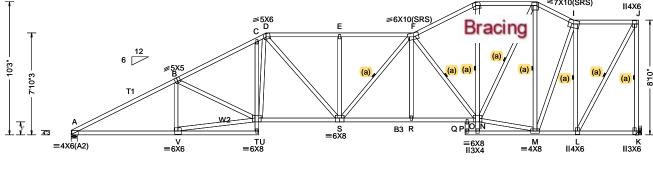
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SEQN: 62583 / SPEC Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T32 / FROM: Qty: 1 DrwNo: 108.22.1559.06178 Parnell Truss Label: A13 AK / FV 04/18/2022





<u> </u>			43	3'8" —				- 4	
 -	8'2"10 8'2"10	6'2"10 14'5"4	6'2"12 20'8"	5'6"4 26'2"4	4'11"7 31'1"11	4'6"14 35'8"9 - -	3'3"4 38'11"13	4'8"3 43'8"	

				_
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/#	١.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.233 E 999 240	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.479 E 999 180	lΑ
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.097 L	ĸ
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.199 L	W
NCBCLL: 10.00	Mean Height: 15.30 ft	Building Code:	Creep Factor: 2.0	Α
Soffit: 0.00	TCDL: 5.0 psf BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.608	K
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.865	В
Spacing: 24.0 "	C&C Dist a: 4.37 ft	Rep Fac: Yes	Max Web CSI: 0.781	M
3 -110	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		M
	GCpi: 0.18	Plate Type(s):		۲
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00.1005.17	A

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31; Bot chord: 2x4 SP #2; B3 2x4 SP M-31; Webs: 2x4 SP #3; W2 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on

Plating Notes

All plates are 2X4 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

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.

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

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

Defl/CSI Criteria	▲ M	laxim	num Re	actions (lbs)		
PP Deflection in loc L/defl L/#		(Gravity		No	on-Grav	vity
VERT(LL): 0.233 E 999 240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
VERT(CL): 0.479 E 999 180	Α	1801	l /-	/-	/1104	/75	/258
HORZ(LL): 0.097 L	κ	1791	ı /-	/-	/980	/177	/-
HORZ(TL): 0.199 L	Wir	nd rea	actions I	based on	MWFRS		
Creep Factor: 2.0	Α				Req = 2.1	(Trus	s)
Max TC CSI: 0.608	K	Brg	Wid = -	Min	Req = -		
Max BC CSI: 0.865	Bea	iring .	A is a ri	gid surfac	e.		
	Mei	mber	s not lis	ted have	forces less	than :	375#
Max Web CSI: 0.781	Max	kimu	m Top	Chord Fo	rces Per	Ply (lb	s)
	Cho	ords	Tens.C	omp.	Chords	Tens.	Ćomp.
VIEW Ver: 21.02.00.1005.17	A -	_			F-G	841	- 2070
	J В -	C	1182	- 32/3	G-H	803	- 1798

C-D

D-E

E-F

Maximum	Bot Chord	Forces	Per Plv (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.	
A - V	2925 - 1157	R-P	2864 - 1163	
T - S	2746 - 1130	P - N	2820 - 1145	
S-R	2864 - 1161	M - L	938 - 390	

H - I

- 1798

- 886

588 - 1358

366

Maximum Web Forces Per Ply (lbs)

1277 - 3189

1178 - 3003

1178 - 3003

Webs	Tens.Comp.	Webs	Tens. Comp.	
B - V	291 - 382	N - H	1380 - 557	
V - T	2909 - 1146	M - H	389 - 845	
T - D	923 - 384	M - I	711 - 270	
D - S	395 - 168	I-L	719 - 1538	
F-N	715 - 1755	L - J	1843 - 760	
G - N	585 - 164	J - K	773 - 1750	
N - M	1141 - 467			



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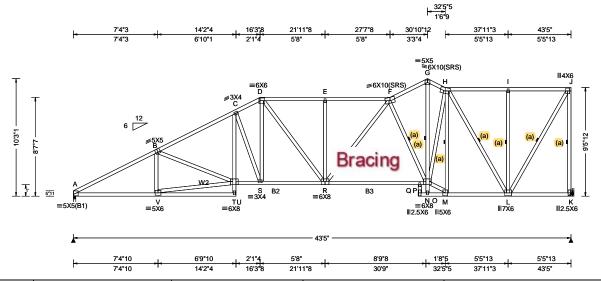
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 62586 / SPEC Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T49 / FROM: DrwNo: 108.22.1559.06740 Qty: 1 Parnell Truss Label: A14 AK / FV 04/18/2022



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: 15.36 ft TCDL: 5.0 psf	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): 0.231 E 999 240 VERT(CL): 0.476 E 999 180 HORZ(LL): 0.101 L HORZ(TL): 0.208 L Creep Factor: 2.0	K V A
Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.34 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	TPI Std: 2014 Rep Fac: Yes	Max TC CSI: 0.730 Max BC CSI: 0.817 Max Web CSI: 0.897 VIEW Ver: 21.02.00.1005.17	K B N C A B

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP M-31; B2,B3 2x4 SP #2; Webs: 2x4 SP #3; W2 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on

Plating Notes

All plates are 2X4 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

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.

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

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

		I▲M	axim	um Re	actions ((lbs)		
defl	L/#		(Gravity		No	on-Grav	vity
	240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
999	180	Α	1789	/-	/-	/1103	/74	/254
-	-	K	1783	/-	/-	/980	/207	/-
-	-	Win	d rea	ctions b	oased on	MWFRS		
		Α	Brg \	Wid = 2	2.5 Min	Req = 1.5	5 (Trus	s)
		K	Brg \	Vid = -	Min	Req = -		
		Bea	ring A	A is a ri	gid surfa	ce.		
		Mer	nbers	not list	ted have	forces less	s than 3	375#
		Maximum Top Chord Forces Per Ply (lbs)						s)
		Cho	rds	Tens.C	omp.	Chords	Tens.	Com
)5.17	7	A - I	В	934 -	3302	F-G	815	- 20

rens.comp.	Choras	rens.	Comp.
934 - 3302	F-G		- 2049
1117 - 3230	G-H	835	- 2015
1085 - 2830	H - I	404	- 957
1046 - 2671	I - J	404	- 957
1046 - 2671			
	934 - 3302 1117 - 3230 1085 - 2830 1046 - 2671	934 - 3302 F - G 1117 - 3230 G - H 1085 - 2830 H - I 1046 - 2671 I - J	934 - 3302 F - G 815 1117 - 3230 G - H 835 1085 - 2830 H - I 404 1046 - 2671 I - J 404

/254

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.	
4 - V	2858 - 1114	R-P	2450 - 1011	
T - S	2807 - 1151	P - N	2456 - 1021	
S-R	2486 - 1014	M - L	1606 - 664	

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
V - T	2807 - 1100	N - H	987 - 310	
T - C	746 - 214	N - M	1962 - 805	
C-S	407 - 960	H - M	389 - 932	
D - S	821 - 282	H-L	507 - 1266	
E-R	305 - 387	I-L	319 - 408	
R-F	466 - 168	L-J	1866 - 788	
F-N	711 - 1584	J - K	761 - 1734	
G - N	1627 - 645			



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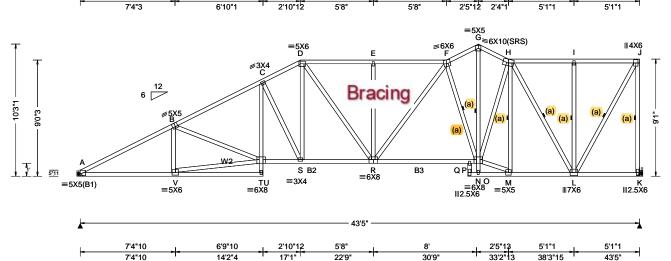
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SEQN: 62588 / SPEC Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T79 / FROM: DrwNo: 108.22.1559.06881 Qty: 1 Parnell Truss Label: A15 AK / FV 04/18/2022 30'10<u>"</u>12 33'2<u>"</u>13 14'2"4 22'9' 38'3"15 43'5'



	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (Ibs)	
1	TCLL: 20.00	Wind Std: ASCE 7-16	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): 0.223 T 999 240	Loc R+ /R- /Rh	/Rw /U /RL
	BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.460 T 999 180	A 1790 /- /-	/1104 /140 /254
	BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.095 K	K 1782 /- /-	/971 /268 /-
	Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.195 K	Wind reactions based on MW	/FRS
- 1	NCBCLL: 10.00	Mean Height: 15.36 ft	Building Code:	Creep Factor: 2.0	A Brg Wid = - Min Red	•
- 1	Soffit: 0.00	TCDL: 5.0 psf BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.756	K Brg Wid = - Min Red	•
	Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.789	Members not listed have force	
- 1	Spacing: 24.0 "		Rep Fac: Yes	Max Web CSI: 0.876	Maximum Top Chord Force	
1	- - - - - - - - - -	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		Chords Tens.Comp. Cho	ords Tens. Comp
			Plate Type(s):		A - B 921 - 3291 F -	G 830 - 203
		WE 15 E 100	WAVE	VIEW Ver: 21.02.00.1005.17	B-C 1103 - 3226 G-	
ł	Lumber	1	1 *** ** =	1	^J C-D 1043-2738 H-	l 389 -93

ı	umbo	

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP M-31; B2,B3 2x4 SP #2; Webs: 2x4 SP #3; W2 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on

Plating Notes

All plates are 2X4 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

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.

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

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

now Criteria (Pg,Pf in PSF)	Defl/CSI Criteria				
g: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#				
f: NA Ce: NA	VERT(LL): 0.223 T 999 240	브			
u: NA Cs: NA	VERT(CL): 0.460 T 999 180	A			
now Duration: NA	HORZ(LL): 0.095 K	ĸ			
	HORZ(TL): 0.195 K	٧			
uilding Code:	Creep Factor: 2.0				
BC 7th Ed. 2020 Res.	Max TC CSI: 0.756	K			
PI Std: 2014	Max BC CSI: 0.789	N			
ep Fac: Yes	Max Web CSI: 0.876	N			
T/RT:20(0)/10(0)		<u>c</u>			
late Type(s):		A			
) [- (-).		_			

D-E 1007 - 2525 1 - J 389 - 935 E-F 1007 - 2525

830 - 2037

Tens Comp

- 2030

- 935

Maximum Bot Chord Forces Per Ply (lbs)

Cnoras	rens.Comp.	Chords	rens. Comp.		
A - V	2848 - 1088	R-P	2274	- 917	
T - S	2802 - 1124	P - N	2270	- 918	
S - R	2398 - 960	M - L	1591	- 646	

Webs

Maximum Web Forces Per Ply (lbs)

Tens Comp

AA GD2	rens.comp.	AA CD2	i elis. Ci	πη.
B - V	280 - 376	G - N	1625	- 655
V - T	2798 - 1074	N - H	727	- 214
T - C	708 - 188	N - M	1743	- 701
C-S	377 - 932	H - M	277	- 607
D-S	811 - 251	H-L	513 -	1310
E-R	307 - 393	I-L	298	- 378
R-F	527 - 189	L-J	1865	- 776
F-N	703 - 1542	J - K	756 -	1737



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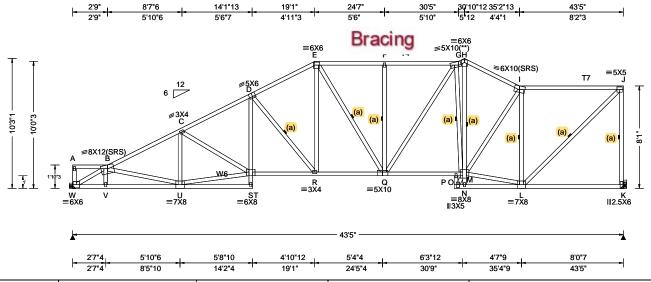
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SEQN: 62523 / SPEC Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T47 / FROM: DrwNo: 108.22.1559.07882 Qty: 1 Parnell Truss Label: A16 AK / FV 04/18/2022



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/#		
		Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.212 S 999 240		
	DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.437 S 999 180		
		Risk Category: II	Snow Duration: NA	HORZ(LL): 0.088 K		
	Dec I d: 40 00	EXP: C Kzt: NA		HORZ(TL): 0.181 K		
	NCBCLL: 10.00	Mean Height: 16.05 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0		
	Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.655		
		MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.786		
		C&C Dist a: 4.34 ft	Rep Fac: Yes	Max Web CSI: 0.820		
		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: 21.02.00.1005.17		

Lumber

Top chord: 2x4 SP #2; T4,T7 2x4 SP M-31; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; W6 2x4 SP #2;

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

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

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Deflection

Max JT VERT DEFL: LL: 0.21" DL: 0.24". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral

brace at chord ends (If no rigid diaphragm exists at that point).

▲ Maximum Reactions (lbs)

		Ċ	ravity				INC	n-Grav	/ity	
)	Loc	R+	/ R-	/ F	₹h	/ R	w	/ U	/ RL	
)	W	1788	/-	/-		/10	58	/111	/222	
	K	1788	/-	/-		/94	8	/241	/-	
	Win	d rea	ctions	based	l on	MWFR	S			
	W	Brg \	Vid = -		Min	Req =	-			
	K	Brg \	Vid =		Min	Req =	-			
	Men	nbers	not lis	ted ha	ave	forces I	ess	than 3	375#	
	Max	imun	n Top	Chor	d Fo	orces P	er	Ply (lb:	s)	
	Cho	rds ⁻	Tens.C	Comp.		Chord	S	Tens.	Comp.	
	B - 0	•	948	- 3227		F-G		944	- 2218	ł
	C - I	-				G - H		815		
	Ď - I	_		- 2546		H-I		843	- 2080	

Maximum Bot Chord Forces Per Ply (lbs)

944 - 2218

Chords	Chords Tens.Comp.		Tens. Comp.		
W - V	2964 - 1094	R - Q	2213	- 855	
V - U	2959 - 1100	Q - O	1865	- 715	
S - R	2823 - 1085	O - M	1858	- 724	

609 - 1546

Maximum Web Forces Per Ply (lbs)

vvebs	rens.Comp.	vvebs	i ens.	Comp.
W - B	972 - 3387	G - M	635	- 1184
U-C	261 - 397	H - M	1272	- 605
U - S	2833 - 1055	M - I	500	- 126
S - D	748 - 198	M - L	1589	- 555
D - R	367 - 974	I-L	799	- 1689
E-R	794 - 198	L-J	2153	- 848
F-Q	321 - 410	J - K	767	- 1721
Q-G	727 - 283			



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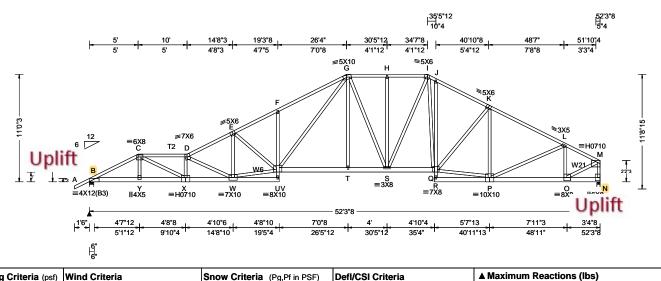
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SEQN: 426992 / SPEC Ply: 2 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T85 / FROM: Qty: 1 DrwNo: 108.22.1559.07896 Parnell Truss Label: A17 SSB / FV 04/18/2022

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.387 F 999 240
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.775 F 807 180
10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.089 N
Doc I d: 10 00	EXP: C Kzt: NA Mean Height: 15.31 ft		HORZ(TL): 0.179 N
NCBCLL: 0.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.857
	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.384
Spacing: 24.0 "	C&C Dist a: 5.23 ft	Rep Fac: No	Max Web CSI: 0.928
	Loc. from endwall: not in 13.00 ft		
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 21.01.01A.0521.20
		A 1 1545 1 N1 . 4	

Lumber

Top chord: 2x4 SP #2; T2 2x4 SP M-31; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W6,W21 2x4 SP #2;

Nailnote

Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @10.25" 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 20 plf at 20 plf at 0.00 to 52.29 110 lb Conc. Load at 5.13 BC: 1772 lb Conc. Load at 5.13 BC: 5149 lb Conc. Load at 48.79 BC: 640 lb Conc. Load at 50.35

Plating Notes

All plates are 2X4 except as noted.

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.

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.

The overall height of this truss excluding overhang is

It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data,including dimensions and loads, conform to the architectural plans/specifications and fabricators truss layout.

a					•••		
lo	/defl	L/#			G	ravity	
87	F	999	L/# 240	Loc	С	R+	/ R-
75	F	807	180	В		4325	/-
89	Ν	-	-	N		7742	/-
79	Ν	-	-	Wi	n	d reac	tions

40	Loc	R+	/ R-	/Rh	/ Rw	/U	/RL
30	В	4325	/-	/-	/-	/693	/-
-	N	7742	/-	/-	/-	/1238	/-
-	Wind	d reac	tions bas	sed on I	MWFRS		
	В	Brg W	id = 5.5	Min I	Req = 1.8		
	N	Brg W	id = 4.0	Min I	Req = 3.2		
	Bear	rings E	3 & N are	a rigid	surface.		
	Men	nbers i	not listed	have f	orces less	than 3	75#
	Max	imum	Top Ch	ord Fo	rces Per I	Ply (lbs	5)
	Cho	rds T	ens.Com	ıp.	Chords	Tens.	Comp.
	B - 0)	683 - 44	106	H - I	360	- 2199
	B - C	-	683 - 44 884 - 55		H - I I - J	360 408	- 2199 - 2480
		5		69			- 2480
	C - E	Ē	884 - 55	569 051	l - J	408	- 2480 - 2543
	C - E) = =	884 - 55 662 - 40	669 051 684	I - J J - K	408 426	- 2480 - 2543
	C - E D - E) = =	884 - 55 662 - 40 610 - 36	569 051 584 710	I - J J - K K - L	408 426 463	- 2480 - 2543 - 2792

Non-Gravity

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	Comp.	Chords	Tens. (Comp.
B - Y	3912	- 601	T-S	2216	- 362
Y - X	3967	- 605	S - Q	2155	- 354
X - W	5670	- 905	P-0	3555	- 560
U - T	2216	- 363			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Co	mp.	Webs	Tens.	Comp.
C-Y	924	- 79	I-Q	873	- 129
C - X	1808 -	323	Q-P	2437	- 392
X - D	186 -	859	P - L	185	- 1220
D - W	365 - 2	335	L-0	904	- 85
W - U	3601 -	578	O - M	4065	- 636
E - U	57 -	421	M - N	587	- 3722
Ú-G	1774 -	292			



Florida Certificate of Product Approval #FL 1999

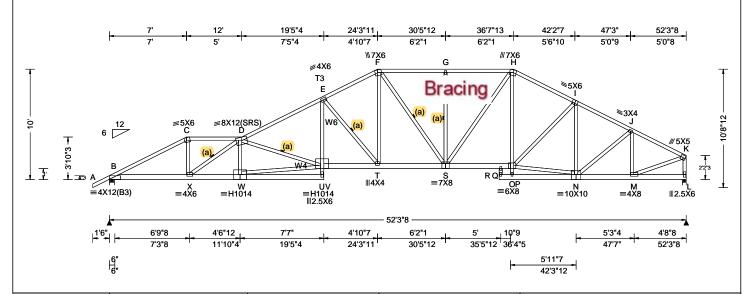
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 62427 / SPEC Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T83 / FROM: DrwNo: 108.22.1559.05945 Qty: 1 Parnell Truss Label: A18 AK / FV 04/18/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (Ib	os)
TCLL: 20.00	Wind Std: ASCE 7-16	Pa: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 10.00		Pf: NA Ce: NA	VERT(LL): 0.363 U 999 240	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00		Lu: NA Cs: NA	VERT(CL): 0.742 U 843 180	B 2255 /- /-	/1361 /- /282
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.099 L	L 2146 /- /-	/1221 /- /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.202 L	Wind reactions based on M	IWFRS
NCBCLL: 10.00	Mean Height: 15.52 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0		eq = 1.9 (Truss)
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.899	L Brg Wid = 4.0 Min Re	,
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.316	Bearings B & L are a rigid s	
Spacing: 24.0 "	C&C Dist a: 5.23 ft	Rep Fac: Yes	Max Web CSI: 0.976	Members not listed have for Maximum Top Chord Ford	
	Loc. from endwall: not in 13.00 ft			•	hords Tens. Comp
	GCpi: 0.18	Plate Type(s):		4	· · · · · · · · · · · · · · · · · · ·
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 21.02.00.1005.17		6 - H 346 - 318 I - I 329 - 315
Lumber				0-D 003-3031 II	i-i 325 - 313

ı	umbo	

Top chord: 2x4 SP #2; T3 2x4 SP M-31; Bot chord: 2x6 SP 2400f-2.0E;

Webs: 2x4 SP #3; W4 2x4 SP M-31; W6 2x4 SP #2;

(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

Right 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.

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

Maximum Bot Chord Forces Per Ply (lbs)

670 - 4908

479 - 3715

346 - 3180

D-E

E-F

F-G

Chords	Tens.C	comp.	Chords	Tens. (Comp.
B - X	3703	- 772	S-Q	2764	- 42
X - W	5675	- 952	Q-0	2735	-43
U - T	4301	- 497	N - M	2283	- 199
T-S	3250	- 181			

329 - 3156

340 - 2952

272 - 2566

I-J

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens.	Comp.
C-X	1517 - 111	S-H	714	- 26
X - D	258 - 2290	O - H	473	- 107
D - W	219 - 717	O - N	2562	- 159
D - U	485 - 1442	I - N	49	- 589
W - U	5538 - 932	N - J	385	0
U - E	1407 - 242	J - M	127	- 758
E - T	503 - 1677	M - K	2377	- 199
F-T	1413 - 326	K-L	246	- 2090
G-S	0 - 398			



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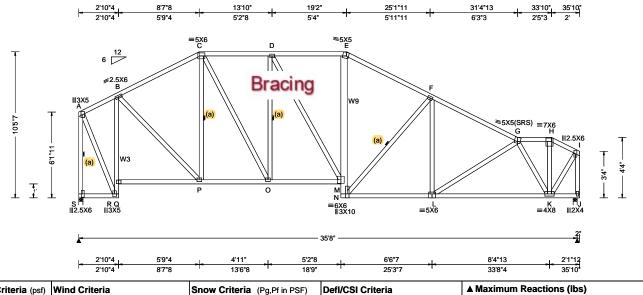
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SEQN: 62279 / SPEC Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T37 / FROM: DrwNo: 108.22.1559.07568 Qty: 1 Parnell Truss Label: A19 AK / FV 04/18/2022



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): 0.185 M 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.381 M 999 180
10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.227 K
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 0.00	EXP: C Kzt: NA Mean Height: 16.89 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.58 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): 0.467 K Creep Factor: 2.0 Max TC CSI: 0.458 Max BC CSI: 0.845 Max Web CSI: 0.708
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00.1005.17

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Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; W3 2x4 SP M-31;

W9 2x6 SP 2400f-2.0E;

Bracing

(a) Continuous lateral restraint equally spaced on member

Plating Notes

All plates are 3X4 except as noted.

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.

Right cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

B - C 559 - 1273 F-G 640 C-D 676 - 1356 G - H 244 D-E 708 - 1440 245

/Rh

Brg Wid = 3.5 Min Req = 1.8 (Truss)

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

Wind reactions based on MWFRS Brg Wid = 3.6

Bearings S & J are a rigid surface.

Gravity

Chords Tens.Comp.

/R

Loc R+

1463 /-

1489

s

Maximum Bot Chord Forces Per Ply (lbs)

Cnoras	rens.c	omp.	Choras	rens. (Jomp.
Q - P P - O O - N	1069	- 140 - 297 - 419	M - L L - K	1543 1327	- 459 - 452

Non-Gravity

/RL

/187

/-

Tens. Comp. - 1554

- 1801

- 646

- 740

/Rw /U

/772

/863

Min Reg = 1.7 (Truss)

Chords

Maximum Web Forces Per Ply (lbs)

webs	rens.comp.	vvebs	rens. Co	mp.
A - S	537 - 1472	O - D	326	- 445
A - R	1274 - 469	N - E	376	-83
R - Q	432 - 1089	G - K	526 -	1382
Q - B	465 - 1068	K - I	1114	- 335
B - P	668 - 248	I - J	415 -	1286
C-O	606 - 299			



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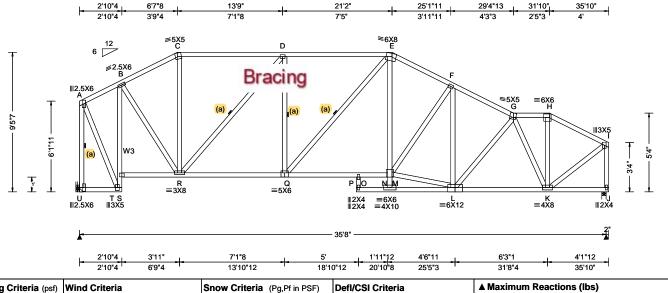
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SEQN: 62590 / SPEC Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T28 / FROM: DrwNo: 108.22.1559.06805 Qty: 1 Parnell Truss Label: A20 AK / FV 04/18/2022



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): 0.107 M 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.220 M 999 180
	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.126 K
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 16.39 ft		HORZ(TL): 0.260 K
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.692
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.722
Spacing: 24.0 "	C&C Dist a: 3.58 ft	Rep Fac: Yes	Max Web CSI: 0.683
	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: 21.02.00.1005.17
l ••			

Lumber

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

Webs: 2x4 SP #3; W3 2x4 SP M-31;

(a) Continuous lateral restraint equally spaced on

Plating Notes

All plates are 3X4 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

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.

End verticals not exposed to wind pressure.

Right cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

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

D-E 802 - 1559 454 - 1156 Maximum Bot Chord Forces Per Ply (lbs)

/Rh

/-

Wind reactions based on MWFRS

553 - 1162

548 - 1011

Gravity

/R

Loc R+

1463 /-

Brg Wid = -

Brg Wid = 3.5

Chords Tens.Comp.

Bearing J is a rigid surface.

1489

U

B - C

C-D

Chords S - R	Tens.Comp.		Chords	Tens. Comp.		
	593	- 157	O - M	1558	- 504	
R - Q	1553	- 569	L-K	1462	- 539	
0-0	1585	- 526				

Non-Gravity

/117

/100 /-

/159

834 - 1809

746 - 1759

455 - 997

/Rw /U

/768

/860

Min Req = 1.8 (Truss)

Chords

F-G

G-H

Min Reg =

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

Maximum Web Forces Per Ply (lbs)

vvebs	rens.Comp.	vvebs	rens. Co	mp.
A - U	601 - 1470	M - E	499	-92
A - T	1237 - 503	M - L	1543 -	515
T - S	462 - 1058	G - K	458 - 1	127
S-B	484 - 1070	K - I	1235 -	440
B - R	769 - 332	I - J	523 -	1335
R - D	439 - 835			



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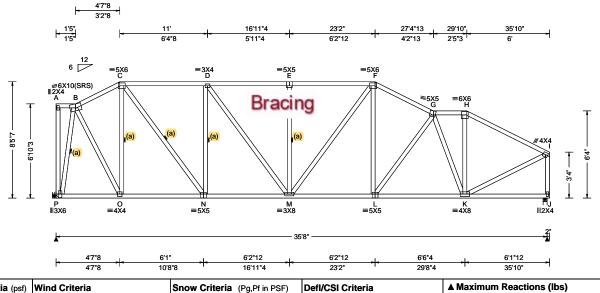
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A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



155 Harlem Ave North Building, 4th Floor Glenview, IL 60025 SEQN: 62302 / SPEC Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T35 / FROM: Qty: 1 DrwNo: 108.22.1559.05990 Parnell Truss Label: A21 AK / FV 04/18/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	1
Coading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 0.00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.89 ft TCDL: 5.0 psf	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.092 E 999 240	F V F J
Load Duration: 1.25 Spacing: 24.0 "	BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.58 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Max BC CSI: 0.713 Max Web CSI: 0.694 VIEW Ver: 21.02.00.1005.17	N

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on

Hangers / Ties

(J) Hanger Support Required, by others

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.

End verticals not exposed to wind pressure.

Right cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

SI Criteria	▲ Maxir	mum Rea	ctions (I	bs)		
flection in loc L/defl L/#		Gravity		No	on-Grav	∕ity
(LL): 0.092 E 999 240	Loc R-	- /R-	/ Rh	/ Rw	/ U	/ RL
(CL): 0.190 E 999 180		3 /-	/-	/740	/178	/132
(LL): 0.033 C	J 148	9 /-	/-	/856	/103	/-
(TL): 0.068 C	Wind re	actions b	ased on I	MWFRS		
Factor: 2.0	P Brg) Wid = -	Min I	Req = -		
C CSI: 0.579) Wid = 3.			3 (Truss	s)
C CSI: 0.713		J is a rig				
/eb CSI: 0.694	Membe	rs not liste	ed have fo	orces les	s than 3	375#
Veb CSI. 0.094	Maximu	ım Top C	hord Fo	rces Per	Ply (lb	s)
	Chords	Tens.Co	mp.	Chords	Tens.	Com
Ver: 21 02 00 1005 17	в-с	419	- 860	F-G	836	- 169

C-D 734 - 1367 G-H 609 - 1200 D-E 868 - 1617 604 - 1410 H - I 868 - 1618

Maximum Bot Chord Forces Per Ply (lbs)

O - N 745 - 234 M - L 1474 - 561	Chorus	rens.comp.		Chorus	Tens. (Jonnp.	
N-M 1392 -547 L-K 1506 -613	O - N N - M			M - L L - K			

/178 /132

Tens. Comp.

836 - 1693

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
P - B	679 - 1419	D - M	383 - 198	
B - O	1011 - 471	E - M	324 - 379	
C - O	482 - 789	G-K	402 - 863	
C - N	1039 - 546	K-I	1336 - 526	
N - D	499 - 709	I - J	574 - 1355	



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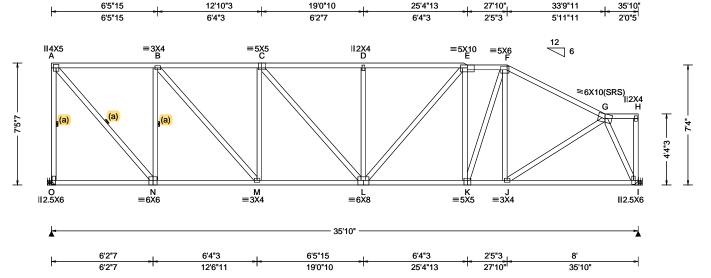
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SEQN: 62306 / SPEC Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T5 / FROM: DrwNo: 108.22.1559.07554 Qty: 1 Parnell Truss Label: A22 AK / FV 04/18/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	A
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 0.00 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: 15.90 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.58 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.097 D 999 240 VERT(CL): 0.200 D 999 180 HORZ(LL): 0.031 A HORZ(TL): 0.064 A Creep Factor: 2.0 Max TC CSI: 0.713 Max BC CSI: 0.735 Max Web CSI: 0.659 VIEW Ver: 21.02.00.1005.17	

-Gravity
U /RL
275 /106
191 /-
han 375#
ly (lbs)
ens. Comp.
863 - 1882
669 - 1559
563 - 1580

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

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.		
N - M	1142	- 429	K-J	1339	- 427	
M - L	1728	- 683	J - I	706	- 273	
L-K	1556	- 532				

Maximum Web Forces Per Ply (lbs)

Webs	Vebs Tens.Comp.		Tens.	Comp.
A - O	743 - 1425	L-E	487	- 309
A - N	1673 - 804	E - K	358	- 582
N - B	679 - 1126	K-F	663	- 354
B - M	874 - 382	J - G	764	- 187
M - C	354 - 542	G - I	609	- 1577
D - I	345 -403			



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Ply: 1 FROM: Qty: 1 DrwNo: 108.22.1559.07631 Parnell Truss Label: A23 AK / FV 04/18/2022 14'9"9 22'1"8 29'7"3 31'9"11 35'10" 7'2"3 7'3"15 7'5"11 2'2"8 4'0"5 ≡3X4 B ≡5X5 C =3X8 D =6X6 E =4X6 T1 ≅6X10(SRS) ∥2X4 Bracing 6'5"7 M ∥2.5X6 K ≡3X8 H ⊪3X6 ≡6X6 _____J ≡5X5 | ≡3X8 35'10' 7'3"15 7'5"11 7'5"11 7'2"3 6'4"9 7'3"15 14'9"9 22'3"4 29'5"7 35'10'

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	•
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 0.00 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: 15.90 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.58 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): 0.112 C 999 240 VERT(CL): 0.230 C 999 180 HORZ(LL): 0.039 H HORZ(TL): 0.080 H Creep Factor: 2.0 Max TC CSI: 0.728 Max BC CSI: 0.701 Max Web CSI: 0.786 VIEW Ver: 21.02.00.1005.17	
Laurelaure	•	•	•	- 0

Job Number: 22-7310

▲ M	▲ Maximum Reactions (lbs)					
	G	ravity		No	on-Grav	/ity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
м	1476	/-	/-	/742	/289	/38
Н	1476	/-	/-	/761	/274	/-
Win	d reac	tions ba	sed on	MWFRS		
М	Brg V	Vid = -	Min	Req = -		
Н	Brg V	Vid = -	Min	Req = -		
Mer	nbers	not listed	d have	forces less	s than 3	375#
Max	imum	Top Ch	ord F	orces Per	Ply (lb	s)
Cho	rds T	ens.Con	np.	Chords	Tens.	Comp.
A - I	В	743 - 14	459	D-E	670	- 1297
B - (_	1085 - 2°			699	- 1445
] C - i	-	1085 - 2			300	

Cust: R 215 JRef: 1XeT2150011

T18 /

Lumber

SEQN: 62313 /

SPEC

Top chord: 2x4 SP #2; T1 2x4 SP M-31;

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

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.	
L-K	1509 - 724	J - I	2092 - 1025	
K - J	2092 - 1025	I - H	1045 - 513	

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - M	785 - 1417	C-K	346 - 422
A - L	1906 - 970	D - I	545 - 1038
L-B	709 - 1062	I-F	579 - 247
B - K	820 - 410	F-H	822 - 1675



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SEQN: 62603 / SPEC Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T66 / FROM: DrwNo: 108.22.1559.07647 Qty: 1 Parnell Truss Label: A24 AK / FV 04/18/2022 8'4"4 14'11"10 21'8"12 28'7"10 35'10" 2'8" 5'8"4 6'9"2 6'10"14 6'7"6 7'2"6 ∥2X4 C **∥2X4** Bracing 1'4" P ∥2.5X6 H ||4X6 ≡7X8 =5X5 ∥2X4 35'10" 5'6"8 6'10"14 6'10"14 6'9"2 7'0"10 35'10" 2'8' 8'2"8 15'1"6 22'0"4 28'9"6

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 Des Ld: 40.00 Mind Std: ASCE Speed: 130 mph Enclosure: Closer Risk Category: II EXP: C Kzt: NA Mean Height: 15.	7-16 Pg: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/# VERT(LL): 0.169 D 999 240 VERT(CL): 0.338 D 999 180 Snow Duration: NA HORZ(LL): 0.077 A HORZ(TL): 0.154 A
Soffit: 0.00 BCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Spacing: 24.0 " C&C Dist a: 3.58	Rep Fac: Yes Max Web CSI: 0.949 not in 10.50 ft FT/RT:20(0)/10(0) Plate Type(s):

▲ M	aximu	ım Rea	ections	(lbs)		
	G	ravity		No	on-Grav	/ity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Р	1433	/-	/-	/735	/280	/-
Н	1433	/-	/-	/735	/280	/-
Win	d read	ctions b	ased on	MWFRS		
Р	Brg V	Vid = -	Min	Req = -		
Н	Brg V	Vid = -	Min	Req = -		
Men	nbers	not list	ed have	forces less	s than 3	375#
Max	imun	Top (Chord F	orces Per	Ply (lb	s)
Cho	rds 1	Tens.Co	omp.	Chords	Tens.	Comp.
A - E	3	394	- 961	D-E	860	- 2481
B - 0)	966 -	2545		842	- 2401
ا - C ا)	961 -	2528			

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

(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.

End verticals not exposed to wind pressure.

Max JT VERT DEFL: LL: 0.17" DL: 0.17". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Co	omp.
N - L	1006 -414	J - I	1650	- 633
K - J	2426 - 855	I - H	1650	- 633

Maximum Web Forces Per Ply (lbs)

Webs	Webs Tens.Comp.		Tens.	Comp.
A - P	588 - 1401	L-K	2492	- 869
A - N	1668 - 684	D - K	288	- 427
N - B	603 - 1276	E - J	264	- 446
B - L	1834 - 658	J - F	945	- 330
C-I	283 - 376	F-H	785	- 2044



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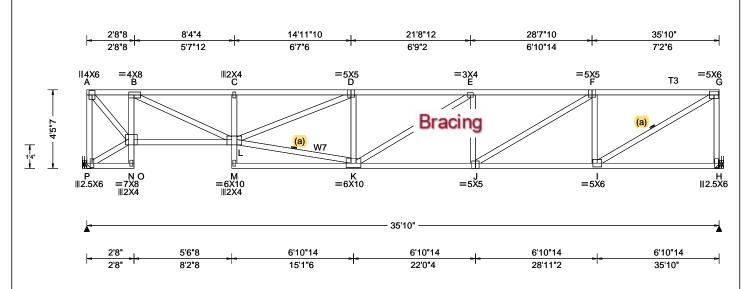
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A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



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

SEQN: 62607 / SPEC Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T44 / FROM: DrwNo: 108.22.1559.07100 Qty: 1 Parnell Truss Label: A25 AK / FV 04/18/2022



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): 0.256 D 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.512 D 840 180
	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.104 A
Dec I d: 40 00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.208 A
INCECT L. 40 00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
0 - 46:4: 0 00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.627
	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.821
Spacing: 24.0 "	C&C Dist a: 3.58 ft	Rep Fac: Yes	Max Web CSI: 0.931
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00.1005.17

▲ Maxin	▲ Maximum Reactions (lbs)						
	Gravity		No	on-Grav	/ity		
Loc R+	· /R-	/ Rh	/ Rw	/ U	/ RL		
P 143	3 /-	/-	/735	/276	/-		
H 143	3 /-	/-	/735	/276	/-		
Wind re	actions b	ased on	MWFRS				
P Brg	Wid = -	Min	Req = -				
H Brg	Wid = -	Min	Req = -				
Member	s not list	ed have	forces les	s than 3	375#		
Maximu	m Top (Chord Fo	rces Per	Ply (lb	s)		
Chords	Tens.Co	omp.	Chords	Tens.	Comp.		
A - B	694 -	1331	D-E	1559	- 3077		
в-с	1802 -	3486	E-F	1512	- 2975		
C-D	1784 -	3447	F-G	1015	- 1995		

Lumber

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

Webs: 2x4 SP #3; W7 2x4 SP #2;

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

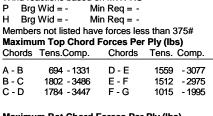
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Max JT VERT DEFL: LL: 0.25" DL: 0.25". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Truss must be installed as shown with top chord up.



Maximum Bot Chord Forces Per Ply (lbs)

Cnoras	rens.comp.	Cnoras	rens. Comp.	
	1391 - 726	J - I	2068 - 1063	
K - J	3006 - 1536			

Maximum Web Forces Per Ply (lbs)

webs	Tens.Comp.	rens.Comp. webs rens.		Comp.
A - P	741 - 1398	D-K	430	- 555
A - N	1905 - 993	E-J	351	- 442
N - B	753 - 1276	J - F	1071	- 536
B - L	2316 - 1190	F-I	692	- 1048
L - D	378 - 227	I-G	2328	- 1184
L-K	3076 - 1566	G-H	763	- 1377



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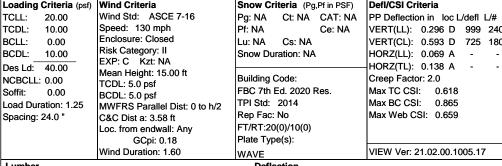
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SEQN: 62259 / SPEC Ply: 2 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T87 / FROM: Qty: 1 DrwNo: 108.22.1559.07459 Parnell Truss Label: A26 AK / FV 04/18/2022 2 Complete Trusses Required 7'4"13 14'6"2 21'5"10 28'5"3 35'5" 35'10' 6'11"13 7'1"5 6'11"9 6'11"9 6'11"13 =3X10 =3X10 ∥2X4 D ≡5X5 E W10 3'10"3 W2 **B1** K ≡7X6 G ∥2.5X6 ∥2.5X6 =4X4 H ≡4X8 =6X8 35'10" 7'1"5 7'1"5 7'3"1 7'3"9 7'0"13 7'1"5 14'2"10 21'5"10 28'9"3 35'10" Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria Wind Std: ASCE 7-16 Ct: NA CAT: NA TCLL: 20.00 Pg: NA PP Deflection in loc L/defl L/# Speed: 130 mph TCDL: 10.00 Pf: NA Ce: NA VERT(LL): 0.296 D 999 240 Enclosure: Closed VERT(CL): 0.593 D BCII: 0.00 Lu: NA Cs: NA 725 180 Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.069 A



Lumber

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #-2; Webs: 2x4 SP #3; W2,W10 2x4 SP #2;

Nailnote

Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @11.25" 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 0.00 to 30 plf at 30 plf at 0.00 to 10 plf at 10 plf at BC: 270 lb Conc. Load at 0.85, 2.85, 4.85, 6.85 8.85,10.85,12.85,14.85,16.85,18.85,20.85,22.85 24.85,26.85,28.85,30.85,32.85,34.85

Hangers / Ties

(J) Hanger Support Required, by others

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

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

Deflection

Max JT VERT DEFL: LL: 0.30" DL: 0.30". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Truss must be installed as shown with top chord up.

▲ Maximum Reactions (lbs)									
	G	ravity		No.	on-Grav	vity			
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL			
L	3154	/-	/-	/-	/474	/-			
G	3137	/-	/-	/-	/472	/-			
Win	d read	tions ba	sed on	MWFRS					
L	Brg V	/id = -	Min	Req = -					
G	Brg V	/id = -	Min	Req = -					
Men	nbers	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.	Comp.			
 A - I	3	394 - 20	526	D-E	584	- 3883			
B - 0	_	580 - 38		Ē-F	394	- 2629			
C-i	Ď	584 - 38							

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Cor	np.
K-J	2687 - 406	I-H	2689 -	405
J - I	3878 - 584			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
A - L	215 - 1352	I-E	1341 - 200	
A - K	2911 - 436	E - H	142 - 729	
K - B	143 - 737	H - F	2918 - 437	
B-J	1334 - 197	F-G	216 - 1355	



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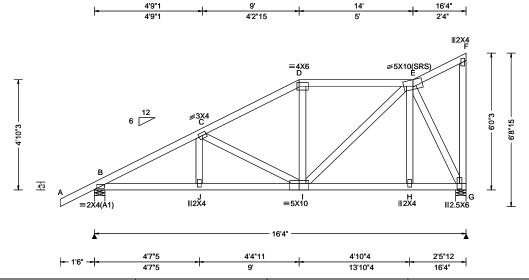
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SEQN: 62553 / COMN Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T42 / FROM: DrwNo: 108.22.1559.06726 Qty: 1 Parnell Truss Label: A27 AK / FV 04/18/2022



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 J 999 240 BCDL: 10.00 Bisk Category: II EXP: C Kzt: NA Snow Duration: NA HORZ(LL): 0.008 G - HORZ(LL): 0.008 G - - NCBCLL: 10.00 BCDL: 5.0 psf Building Code: TECT. Creep Factor: Creep Factor: 2.0 Soffit: 0.00 BCDL: 5.0 psf FBC 7th Ed. 2020 Res. Max TC CSI: 0.260 Loc. from endwall: CCC Dist a: 3.00 ft FT/RT:20(0)/10(0) FT/RT:20(0)/10(0) Max Web CSI: 0.339	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Γ.
GCp: 0.18 Plate Type(s):	TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	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):	VERT(LL): 0.023 J 999 240 VERT(CL): 0.046 J 999 180 HORZ(LL): 0.008 G HORZ(TL): 0.017 G Creep Factor: 2.0 Max TC CSI: 0.260 Max BC CSI: 0.293 Max Web CSI: 0.339	

▲ Maximum Reactions (lbs)									
	G	ravity		No	on-Grav	rity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL			
В 7	777	/-	/-	/508	/40	/159			
G 6	661	/-	/-	/406	/99	/-			
Wind	d read	tions bas	sed on I	MWFRS					
В	Brg W	/id = 5.5	Min	Req = 1.5	(Truss	s)			
G	Brg W	/id = 5.5	Min	Req = 1.5	(Truss	s)			
				surface.	`	•			
Mem	bers	not listed	l have f	orces less	s than 3	75#			
Maximum Top Chord Forces Per Ply (lbs)									
				Chords		•			
В-С	;	415 - 10	097	D-E	375	- 604			
1 C - E)	358 - 7	733						

Lumber

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

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)

Cilolus	rens.comp.	Cilolus	rens. Comp.		
B-J	928 - 591	J-1	925	- 593	

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
I.F	307 - 205	F-G	474 - 684	



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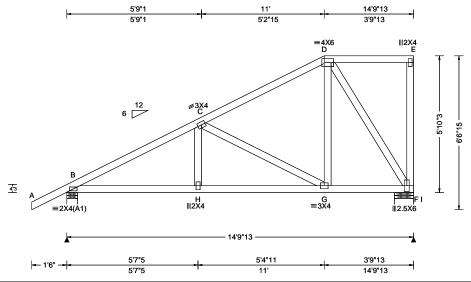
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SEQN: 62368 / COMN Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T22 / FROM: DrwNo: 108.22.1559.06257 Qty: 1 Parnell Truss Label: A28 AK / FV 04/18/2022



TCLL: 20 TCDL: 10 BCLL: 0. BCDL: 10 Des Ld: 40 NCBCLL: 10	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	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 to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Snow Criteria (Pg Pg: NA Ct: NA Pf: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	CAT: NA Ce: NA	Defl/CSI Cri PP Deflectic VERT(LL): VERT(CL): HORZ(LL): HORZ(TL): Creep Facto Max TC CSI Max BC CSI Max Web CSI	on in loc L 0.020 H 0.040 H 0.008 F 0.015 F or: 2.0 : 0.363 : 0.322			L
		GCpi: 0.18 Wind Duration: 1.60	, , , , ,		VIEW Ver: 2	1.02.00.10	05.17	,	-

▲ Maximum Reactions (lbs)								
	C	avity		No	on-Grav	vity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
В	716	/-	/-	/480	/25	/156		
1	598	/-	/-	/367	/96	/-		
Win	d rea	ctions b	ased on	MWFRS				
В	Brg \	Vid = 5.	5 Min	Req = 1.5	(Trus	s)		
1	Brg \	Vid = 9.	8 Min	Req = 1.5	(Trus	s)		
Bea	rings	B&lar	e a rigio	l surface.	•	•		
Men	nbers	not list	ed have	forces less	s than 3	375#		
Maximum Top Chord Forces Per Ply (lbs)								
				Chords				
В-(С	265	- 941	C - D	153	- 438		

Lumber

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

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. 784 781

Maximum Web Forces Per Ply (lbs)										
Webs Tens.Comp.		Webs	Tens. (Comp.						
C-G		- 535 - 86	D-F	318	- 549					



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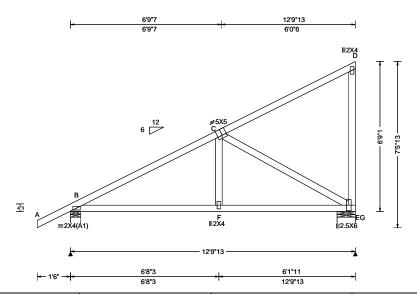
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SEQN: 62371 / MONO Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T34 / FROM: DrwNo: 108.22.1559.06976 Qty: 1 Truss Label: A29 AK / FV 04/18/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	1
Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 0.00 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 to 2h C&C Dist a: 3.00 ft	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes	DefI/CSI Criteria	
	Loc. from endwall: not in 9.00 ft GCpi: 0.18	FT/RT:20(0)/10(0) Plate Type(s):		2
Lumber	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00.1005.17] E

▲ Maximum Reactions (lbs)									
	G	avity		Non-Gravity					
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL			
В	634	/-	/-	/425	/-	/179			
G	515	/-	/-	/367	/70	/-			
Wii	Wind reactions based on MWFRS								
В	B Brg Wid = 5.5 Min Req = 1.5 (Truss)								
G	G Brg Wid = 9.8 Min Req = 1.5 (Truss)								
Bearings B & G are a rigid surface.									
Members not listed have forces less than 375#									
Maximum Top Chord Forces Per Ply (lbs)									
Chords Tens.Comp.									
В-	С	87	- 720						

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.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 576 - 317 572 - 318

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

C-E 366 - 657



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

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

SEQN: 62136 / HIPM Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T51 / FROM: DrwNo: 108.22.1559.07304 Qty: 1 Parnell Truss Label: B01 AK / FV 04/18/2022 5' 9'10" 14'8" 5' 4'10" 4'10" =5X6 C ∥2X4 D 36"1 4"3 H ∥2X4 G ≡4X12 \equiv 2.5X6(A1) **|||2.5X6** 14'8" 5'1"12 4'8"4 4'10" - 1'6" → 5'1"12 9'10" 14'8"

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria		
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 0.00 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Ce: NA Snow Duration: NA Ce: NA Code: C	PP Deflection in loc L/defl L/# VERT(LL): 0.048 H 999 240 VERT(CL): 0.095 H 999 180 HORZ(LL): 0.014 C HORZ(TL): 0.027 C Creep Factor: 2.0 Max TC CSI: 0.639 Max BC CSI: 0.665 Max Web CSI: 0.708 VIEW Ver: 21.02.00.1005.17		
Lumbor		WAY C	1		

	▲ Maximum Reactions (lbs)								
	Gravity				Non-Gravity				
)	Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL		
)	В	1199	/-	/-	/-	/254	/-		
	F	1306	/-	/-	/-	/280	/-		
	Wind reactions based on MWFRS								
	B Brg Wid = 5.5 Min Reg = 1.5 (Truss)								
	F Brg Wid = 3.5 Min Reg = 1.5 (Truss)								
	Bearings B & F are a rigid surface.								
	Members not listed have forces less than 375#								
	Maximum Top Chord Forces Per Ply (lbs)								
	Cho	rds T	ens.Cor	np.	Chords	Tens.	Ćomp.		
-	В-0	^	404 - 1	072	D-E	350	- 1666		
	15.1	n	351 - 1		D-L	330	- 1000		
	U - I	_	JUI - I	000					

Lumbe

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

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 62 plf at -1.50 to 5.00 to 62 plf at 31 plf at TC: From 31 plf at 20 plf at 14 67 BC: From 0.00 to 20 plf at 5.03 10 plf at 5.03 to BC: From 10 plf at 238 lb Conc. Load at 5.03 128 lb Conc. Load at 7.06, 9.06,11.06,13.06 TC: 14.27 BC: BC: 273 lb Conc. Load at 5.03 90 lb Conc. Load at 7.06, 9.06,11.06,13.06 14.27

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 Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 1702 - 338 H-G 1724 - 334

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. 1860 C - H 378 0 G - E - 391 254 - 534 310 - 1138 D - G E - F



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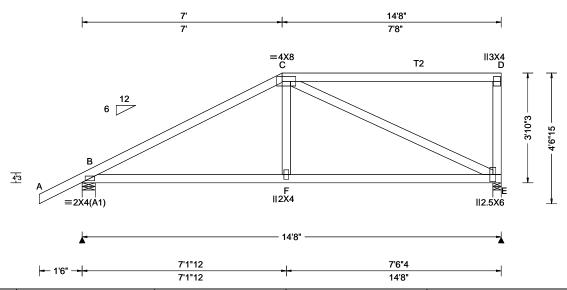
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 62140 / HIPM Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T15 / FROM: DrwNo: 108.22.1559.05975 Qty: 1 Parnell Truss Label: B02 AK / FV 04/18/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	14
Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 0.00 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 GCpi: 0.18	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	DefI/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.016 B 999 240 VERT(CL): 0.032 B 999 180 HORZ(LL): 0.010 B HORZ(TL): 0.020 B Creep Factor: 2.0 Max TC CSI: 0.708 Max Web CSI: 0.707 Max Web CSI: 0.861	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00.1005.17	E
Lumban				

▲ Maximum Reactions (lbs)								
	G	ravity		No	on-Grav	/ity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
В	709	/-	/-	/462	/119	/144		
E	592	/-	/-	/321	/123	/-		
Win	d read	ctions ba	ased on M	IWFRS				
В	Brg V	Vid = 5.9	5 Min R	eq = 1.5	(Truss	s)		
E	Brg V	Vid = 3.9	5 Min R	eq = 1.5	(Truss	s)		
Bea	rings I	B&Ea	re a rigid s	surface.				
Men	nbers	not liste	d have fo	rces less	s than 3	375#		
Maximum Top Chord Forces Per Ply (lbs)								
Cho	rds 1	ens.Co	mp.		•	•		
В-0	2	431 -	811					

Lumber

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

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

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. 634 - 460 642

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

C-E 476 - 679



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

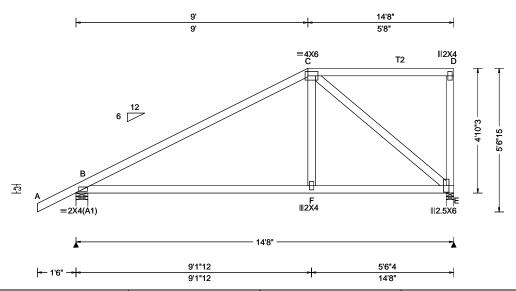
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 62143 / HIPM Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T19 / FROM: DrwNo: 108.22.1559.07053 Qty: 1 Truss Label: B03 AK / FV 04/18/2022



TCLL: 20.00 Wind Std: ASCE 7-16 Pg: NA	Loading Crit	eria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in	in PSF)	Defl/CSI Criteria	
WAVE VIEW Ver. 21.02.00.1005.17	TCLL: 20. TCDL: 10. BCLL: 0.0 BCDL: 10. Des Ld: 40. NCBCLL: 10. Soffit: 0.0 Load Duration	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft	Pg: NA Ct: NA CA Pf: 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)	AT: NA e: NA	PP Deflection in loc L/defl L/s VERT(LL): 0.035 B 999 2 VERT(CL): 0.071 B 999 1 HORZ(LL): 0.022 B - HORZ(TL): 0.045 B - Creep Factor: 2.0 Max TC CSI: 0.637 Max BC CSI: 0.767	40 80 -

▲ M	▲ Maximum Reactions (lbs)							
	G	avity		No	on-Grav	vity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
В	709	/-	/-	/472	/108	/180		
E	592	/-	/-	/341	/132	/-		
Win	d read	ctions b	ased on I	MWFRS				
В	Brg V	Vid = 5.	.5 Min f	Req = 1.5	(Trus	s)		
E	Brg V	Vid = 3	.5 Min f	Req = 1.5	(Trus	s)		
Bea	rings	B&Ea	re a rigid	surface.	•	•		
Men	nbers	not list	ed have fo	orces less	s than 3	375#		
Maximum Top Chord Forces Per Ply (lbs)								
		Tens.Co			, (-,		
В-0	С	243	- 674					

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

Bot chord: 2x4 SP #2; Webs: 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

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. 487 - 295 494

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

C-E 377 - 634



Florida Certificate of Product Approval #FL 1999

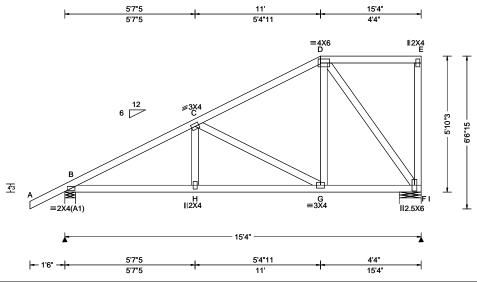
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SEQN: 62145 / HIPM Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T21 / FROM: DrwNo: 108.22.1559.07851 Qty: 1 Parnell Truss Label: B04 AK / FV 04/18/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	4
Loading Criteria (psf)	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.022 H 999 240 VERT(CL): 0.044 H 999 180 HORZ(LL): 0.008 F HORZ(TL): 0.017 F Creep Factor: 2.0 Max TC CSI: 0.381 Max BC CSI: 0.321 Max Web CSI: 0.509	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00.1005.17	В
				_

▲ M	▲ Maximum Reactions (lbs)							
	G	avity		No	on-Grav	vity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
В	737	/-	/-	/493	/101	/215		
1	620	/-	/-	/375	/146	/-		
Win	d rea	ctions b	ased on	MWFRS				
В	Brg V	Vid = 5	.5 Min	Req = 1.5	(Truss	s)		
1	Brg \	Vid = 1	1.3 Min	Req = 1.5	(Truss	s)		
Bea	rings	B & I aı	e a rigid	l surface.	•	•		
Men	nbers	not list	ed have	forces less	s than 3	375#		
Maximum Top Chord Forces Per Ply (lbs)								
				Chords				
В-0	С	294	- 993	C - D	178	- 486		

Lumber

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

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. 832 - 456 H-G 835

Maximum Web Forces Per Ply (lbs)									
Webs	Tens.Comp	Webs	Tens.	Comp.					
C-G D-G	282 - 54° 400 - 76		332	- 574					



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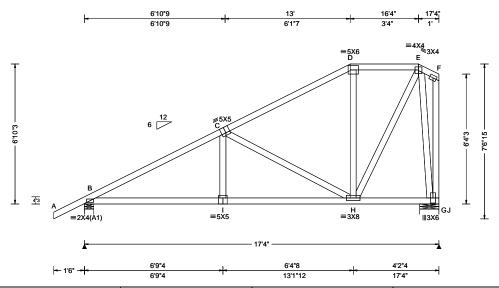
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SEQN: 62148 / HIPS Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T20 / FROM: DrwNo: 108.22.1559.07852 Qty: 1 Parnell Truss Label: B05 AK / FV 04/18/2022



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: 0.00 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): 0.026 I 999 240 VERT(CL): 0.052 I 999 180 HORZ(LL): 0.009 G HORZ(TL): 0.019 G Creep Factor: 2.0 Max TC CSI: 0.455 Max BC CSI: 0.449 Max Web CSI: 0.616 VIEW Ver: 21.02.00.1005.17	L B J W B J B M M C B
Lumber				

1	▲ Maximum Reactions (lbs)								
		Gravity		No.	on-Grav	vity			
L	oc R+	/ R-	/ Rh	/ Rw	/ U	/ RL			
E	818	/-	/-	/543	/113	/234			
J	703	/-	/-	/426	/159	/-			
V	Wind reactions based on MWFRS								
E	Brg	Wid = 5	.5 Min	Req = 1.5	5 (Truss	s)			
J	Brg	Wid = 1	1.3 Min	Req = 1.5	5 (Truss	s)			
E	earing	sB&Ja	re a rigio	d surface.					
N	/lembe	s not list	ed have	forces les	s than 3	375#			
N	Maximum Top Chord Forces Per Ply (lbs)								
2	hords	Tens.C	omp.	Chords	Tens.	Ćomp.			
E	3 - C	284 -	1100	C - D	182	- 503			

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

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. 912 - 443 908

Maximum Web Forces Per Ply (lbs) Tens. Comp. Webs Tens.Comp. Webs C-H 289 - 620 E-G 381 - 649 H-E 604 - 297



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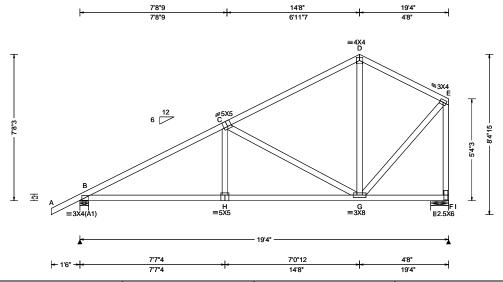
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SEQN: 62151 / SPEC Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T77 / FROM: DrwNo: 108.22.1559.06319 Qty: 1 Parnell Truss Label: B06 AK / FV 04/18/2022



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 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 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): 0.030 H 999 240 VERT(CL): 0.061 H 999 180 HORZ(LL): 0.011 G HORZ(TL): 0.022 G Creep Factor: 2.0 Max TC CSI: 0.601 Max BC CSI: 0.563 Max Web CSI: 0.856 VIEW Ver: 21.02.00.1005.17

▲ Maximum Reactions (lbs)								
	Gravit	y	N	on-Gra	vity			
Loc F	R+ /R	- / Rh	/ Rw	/ U	/ RL			
B 89	98 /-	/-	/583	/25	/203			
1 78	34 /-	/-	/452	/27	/-			
Wind	reaction	s based on	MWFRS					
в в	rg Wid =	5.5 Min	Req = 1.5	5 (Trus	s)			
lıв	ra Wid =	11.3 Min	Rea = 1.5	5 (Trus	s)			
Bearin	as B & I	are a rigid	surface.	•	•			
	-	isted have		s than :	375#			
Maximum Top Chord Forces Per Ply (lbs)								
		.Comp.			•			
B-C C-D	31 ²	- 1231) - 560	D - E	205	- 503			

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.

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

1020 1016 - 392

Maximum Web Forces Per Ply (lbs)

webs	rens.comp.	vvebs	rens. Comp.		
	307 - 697 599 - 190	E-F	287 - 751		



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

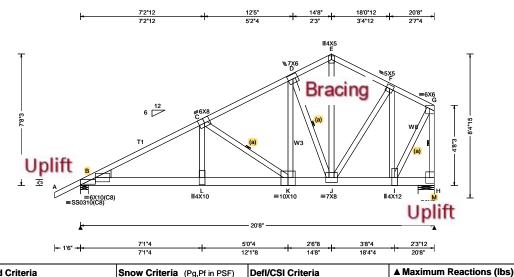
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SEQN: 62611 / SPEC Ply: 2 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T6 / FROM: Qty: 1 DrwNo: 108.22.1559.06631 Parnell Truss Label: B07 AK / FV 04/18/2022

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria		
TCLL: 20.00	Wind Std: ASCE 7-16	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): 0.149 L 999 240		
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.297 L 829 180		
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.037 C		
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.074 C		
NCBCLL: 0.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0		
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.493		
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.682		
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.917		
'	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)			
	GCpi: 0.18	Plate Type(s):			
	Wind Duration: 1.60	18SS, WAVE	VIEW Ver: 21.02.00.1005.17		

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W3,W8 2x4 SP #2; Lt Wedge: 2x6 SP 2400f-2.0E;

(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: 2 Rows @ 5.50" o.c. (Each Row) Webs : 1 Row @ 4" o.c. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

(Lumber	Dur.Fac.=1.	.25 / Plate D	Dur.Fac.=1.2	25)	
TC: From	62 plf at	-1.50 to	62 plf at	7.12	
TC: From	31 plf at	7.12 to	31 plf at	16.27	
TC: From	62 plf at	16.27 to	62 plf at	20.67	
BC: From	20 plf at	0.00 to	20 plf at	7.13	
BC: From	10 plf at	7.13 to	10 plf at	18.27	
BC: From	20 plf at	18.27 to	20 plf at	20.67	
BC: 3154 lb	Conc. Load	lat 7.13			
BC: 1433 lb Conc. Load at 8.27,10.27					
BC: 1476 lb	Conc. Load	l at 12.27,14	1.27		
BC: 1463 lb	Conc. Load	at 16.27,18	3.27		

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.

		G	ravity		No	on-Grav	rity .
	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
	В	8008	/-	/-	/-	/1036	/-
	M	7288	/-	/-	/-	/1129	/-
	Wind	d read	tions I	based or	MWFRS		
	В	Brg W	/id = 5	5.5 Mir	Req = 2.5	5 (Truss	s)
	М	Brg W	/id = 1	11.3 Mir	Req = 3.0) (Truss	s)
	Bear	ings I	3 & M	are a rig	id surface.		
	Mem	bers	not lis	ted have	forces less	s than 3	75#
	Max	imum	Тор	Chord F	orces Per	Ply (lbs	s)
	Cho	rds T	ens.C	omp.	Chords	Tens.	Comp.
_	B - C	•	1077 ·	- 6324	E-F	461	- 2743
	C - L	Ś	-	- 3928	F-G	271	- 1741
	0 -	,	0,,	0020		211	1771

Maximum Bot Chord Forces Per Ply (lbs)

454 - 2725

Chords	Tens.C	comp.	Chords	Tens. 0	Comp.
B - L		- 947	K - J	3384	- 578
L - K		- 938	J - I	1613	- 252

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens.	Comp.
L-C	2407 - 365	J-F	1572	- 291
C - K	419 - 2537	F-I	364	- 1843
K - D	3000 - 539	1 - G	3239	- 499
D-J	487 - 2662	G-H	572	- 3668
E - J	2333 - 377			



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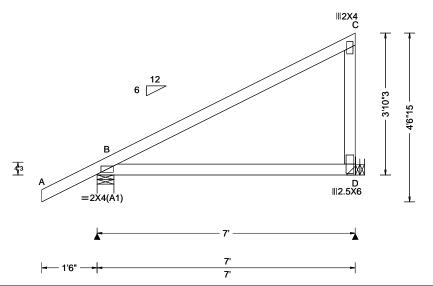
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 62153 / MONO Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T10 / FROM: DrwNo: 108.22.1559.07351 Qty: 15 Parnell Truss Label: B08 AK / FV 04/18/2022



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): 0.013 B
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.025 B
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.644
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.468
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.259
	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: 21.02.00.1005.17

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 400 /278 /104 270 /-/190 /-/37 Wind reactions based on MWFRS Brg Wid = 5.5Min Reg = 1.5 (Truss) Brg Wid = -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;

Hangers / Ties

(J) Hanger Support Required, by others (H2) = (J) Special hanger required (2)2x4 SP #2 supporting member.

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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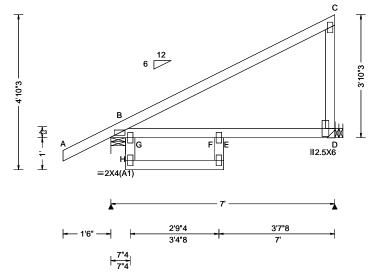
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SEQN: 62157 / MONO Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T72 / FROM: DrwNo: 108.22.1559.06615 Qty: 3 Parnell Truss Label: B09 AK / FV 04/18/2022



EXP: C Kzt: NA	20(0)/10(0) ype(s):	- D 270 / Wind reactic B Brg Wic D Brg Wic Bearing B is Members no
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n Reactions (lbs) avity Non-Gravity R-/Rh /Rw /U /RL /278 /104 /190 /-/37 ons based on MWFRS Min Reg = 1.5 (Truss) id = 5.5Min Req = id = s a rigid surface. ot listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

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.

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



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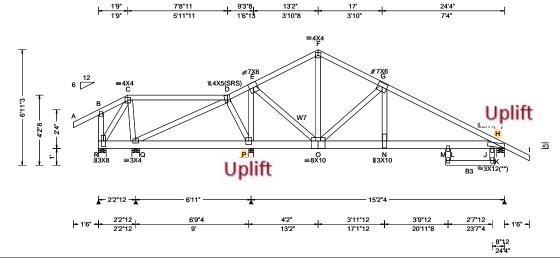
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SEQN: 62609 / SPEC Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T11 / Ply: 2 FROM: Qty: 1 DrwNo: 108.22.1559.07164 Parnell Truss Label: B10 AK / FV 04/18/2022

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	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): 0.073 N 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.147 N 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.021 J
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.041 J
NCBCLL: 0.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.666
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.397
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.895
-	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: 21.02.00.1005.17

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x6 SP 2400f-2.0E; B3 2x4 SP #2; Webs: 2x4 SP #3; W7 2x4 SP #2;

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.

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 20 plf at 0.00 to 20 plf at 24.33

BC: From 6 lb Conc. Load at 1.78

BC: 38 lb Conc. Load at 1.78 BC: 1476 lb Conc. Load at 10.06,12.06 BC: 1433 lb Conc. Load at 14.06,16.06

BC: 3137 lb Conc. Load at 17.21

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

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

Additional Notes

Negative reaction(s) of -347# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions

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

30 R a 3494 /-Wind reactions based on MWFRS O

D-E

E-F

Loc R+

8058 /-

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

Non-Gravity

/1345 /-

Tens. Comp.

288 - 1586

600 - 3482

/615

/RL

/-/-

/Rw /U

/65

Min Req = 1.5 (Truss)

Min Req = 3.0 (Truss)

Min Req = 1.5 (Truss)

Chords

F-G

G-H

Min Req = 1.5

Q - P 148 - 953 N - L 3072 - 521 P - O 121 - 739 1 - K 3069 - 520 O - N 3023 - 514 H-K 521 - 3072

Maximum Web Forces Per Ply (lbs)

▲ Maximum Reactions (lbs) Gravity

/-347

/-274 /-

 $Brg\ Wid = 5.5$

Brg Wid = 5.5

Brg Wid = 3.5

Brg Wid = 5.5

Chords Tens.Comp.

1064 - 183

286 - 1582

/Rh

Bearings R, Q, P, & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens.	Comp.
Q-D	825 - 130	F-0	1294	- 203
P - E	575 - 3184	O - G	364	- 2218
E - O	2866 - 495	G - N	2183	- 318



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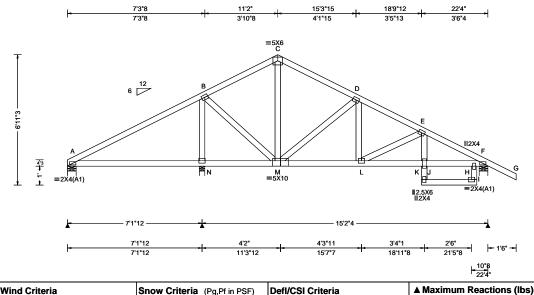
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SEQN: 62159 / COMN Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T31 / FROM: DrwNo: 108.22.1559.05740 Qty: 1 Truss Label: B11 AK / FV 04/18/2022



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): 0.019 L 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.037 A 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.011 A
Des Ld: 40.00 NCBCLL: 10.00	EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	HORZ(TL): 0.024 A Creep Factor: 2.0
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.549
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.429
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.267
	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: 21.02.00.1005.17

Lumber

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

Plating Notes

All plates are 3X4 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.

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

now Criteria (Pg,Pf in PSF)	Defl/CSI Criteria				
g: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#				
f: NA Ce: NA	VERT(LL): 0.019 L 999 240				
u: NA Cs: NA	VERT(CL): 0.037 A 999 180				
now Duration: NA	HORZ(LL): 0.011 A				
	HORZ(TL): 0.024 A				
uilding Code:	Creep Factor: 2.0				
BC 7th Ed. 2020 Res.	Max TC CSI: 0.549				
PI Std: 2014	Max BC CSI: 0.429				
ep Fac: Yes	Max Web CSI: 0.267				
T/RT:20(0)/10(0)					
late Type(s):					
	VIEW Vor: 21 02 00 1005 17				

Gravity Loc R+ /Rh 311 955 /-714 Wind reactions based on MWFRS Brg Wid = 5.5 Min Req = 1.5 (Truss) BrgWid = 3.5Min Req = 1.5 (Truss) Brg Wid = 5.5 Min Req = 1.5 (Truss) Bearings A, N, & F are a rigid surface. Members not listed have forces less than 375# **Maximum Top Chord Forces Per Ply (lbs)** Chords Tens.Comp.

> B - C D-E 274 - 776 C-D 222 - 395 E-F 287 - 984

Chords

Non-Gravity

/RL

/167

Tens. Comp.

/Rw /U

/168

/531

/466

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
M - L	646 - 102	J - I	836 - 174
L-J	834 - 177	I-F	835 - 175

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
N - B	262 - 779	M - D	193 - 457
B - M	450 - 23		



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

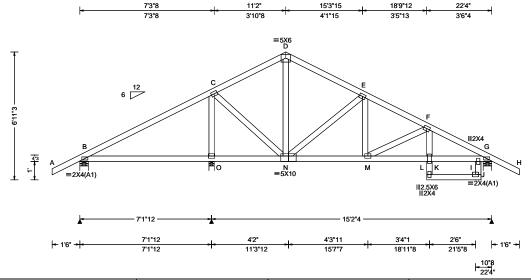
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SEQN: 62161 / COMN Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T82 / FROM: Qty: 2 DrwNo: 108.22.1559.05944 Truss Label: B12 AK / FV 04/18/2022



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): 0.019 M 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.037 M 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.009 L
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.019 B
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.512
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.420
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.266
-	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: 21.02.00.1005.17

Lumber

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

Plating Notes

All plates are 3X4 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.

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

						D	4! /11			
f in PSF)	DefI/CSI Criteria			A I			actions (II	•		
CAT: NA	PP Deflection in loc L	/defl	L/#		G	avity		No	on-Gra	vity
Ce: NA	VERT(LL): 0.019 M			Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
	VERT(CL): 0.037 M	999	180	В	400	/-	/-	/245	/38	/182
	HORZ(LL): 0.009 L	-	-	0	968	/-	/-	/542	/1	/-
	HORZ(TL): 0.019 B	-	-	G	706	/-	/-	/466	/34	/-
	Creep Factor: 2.0			Wi			ased on N	_		
es.	Max TC CSI: 0.512			В			.5 Min F			
	Max BC CSI: 0.420			0			.5 Min F			
				G	Brg V	Vid = 5	.5 Min F	Req = 1.5	ī (Trus	s)
	Max Web CSI: 0.266			Be	arings	B, O, 8	G are a r	igid surfa	ice.	
				Me	mbers	not list	ed have fo	orces less	s than	375#
				Ma	ximun	n Top (Chord For	rces Per	Ply (lk	s)
	VIEW Vor: 21 02 00 10	NS 17	,					011-	• •	•

Chords Tens.Comp. Chords Tens. Comp. C-D E-F 219 - 391 259 - 758 Ď-Ē 212 - 378 F-G 270 - 968

/RL

/182

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.		
N - M	631	- 85	K-J	823	- 159	
M - K	820	- 162	J-G	821	- 161	

Maximum Web Forces Per Ply (lbs)

webs	Tens.Comp.	Webs	Tens. Comp.
O - C C - N	287 - 802 462 - 32	N - E	192 - 455



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SEQN: 428128 COMN Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T30 FROM: DrwNo: 108.22.1608.59010 Qty: 5 Parnell Truss Label: B13 SSB / WHK 04/18/2022 5'10"4 11'2" 16'5"12 22'4" 5'10"4 5'3"12 5'3"12 5'10"4 =4X4 D **₩2X4** 4"3 H ≡3X4 =5X5 =3X4(A1) =3X4(A1)

7'1"

14'8"8

TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h 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	Defl/CSI Criteria	
Lumbar	GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): WAVE	VIEW Ver: 21.01.01A.0521.20	E

7'7"8

	▲ Ma	axim	um Rea	ctions	(lbs)			
		G	avity		N	on-Gra	vity	
0	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
0	_	1055		/-	/615	/25	/182	_
	F	1055	/-	/-	/615	/25	/-	
	Wind	d read	ctions b	ased on	MWFRS			
	В	Brg V	Vid = 5.	5 Mir	Req = 1.5	5		
	F	Brg V	Vid = 5.	5 Mir	Req = 1.	5		
	Bear	rings	B&Fa	re a rigi	d surface.			
	Mem	nbers	not liste	ed have	forces les	s than	375#	
	Max	imun	n Top C	hord F	orces Per	Ply (lk	os)	
	Cho	rds 7	Tens.Co	mp.	Chords	Tens.	Ćomp.	_
	B - 0	3	442 -	1637	D-E	447	- 1461	
	C - C	-		1460		441		

1'6" -

7'7"8

22'4'

Lumber

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

Loading

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

-- 1'6" --

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is

Maximum Bot Chord Forces Per Ply (lbs)

Choras	rens.c	omp.	Choras	rens.	Jomp.	
B-I	1400	- 281	H-F	1401	- 287	
I-H	953	- 105				

Maximum Web Forces Per Ply (lbs)

vvebs	rens.Comp.	vvebs	rens. C	omp.
I - D	535 - 130	D-H	537	- 120



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SEQN: 428131 HIPS Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T14 FROM: DrwNo: 108.22.1609.01940 Qty: 1 Parnell Truss Label: B14 SSB / WHK 04/18/2022 5'10"4 11' 16'5"12 22'4" 5'10"4 5'1"12 5'5"12 5'10"4 **11.2X4** C 4"3 H ≡3X4 =5X5 =3X4(A1) =3X4(A1) 7'7"8 7'1" 7'7"8 + 1'6" + - 1'6" - 14'8"8 22'4"

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	A
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 0.00 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): 0.051 H 999 240 VERT(CL): 0.102 H 999 180 HORZ(LL): 0.020 F HORZ(TL): 0.041 F Creep Factor: 2.0 Max TC CSI: 0.301 Max BC CSI: 0.572 Max Web CSI: 0.185	B F B F B N
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.01.01A.0521.20	∫ B C
Lumber				C

	▲ Maxi	mum Rea	actions (I	bs)		
		Gravity		No	on-Grav	vity
0	Loc R-	+ /R-	/ Rh	/ Rw	/ U	/ RL
0		3 /-	/-	/615	/179	/180
	F 101	3 /-	/-	/615	/179	/-
	Wind re	actions b	ased on I	MWFRS		
	B Bro	Wid = 5	.5 Min I	Req = 1.5	5	
	F Bro	, Wid = 5	.5 Min l	Req = 1.5	5	
	Bearing	sB&Fa	re a rigid	surface.		
	Membe	rs not list	ed have f	orces less	s than 3	375#
	Maxim	um Top (Chord Fo	rces Per	Ply (lb	s)
	Chords	Tens.C	omp.	Chords	Tens.	Ćomp.
	B-C	434 -	1538	D-E	440	- 1361
	C-D	440 -		E-F	434	- 1538

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	omp.	Chords	Tens. Comp.		
B-I	1313	- 275	H-F	1313	- 281	
I-H	890	- 97				

Maximum Web Forces Per Ply (lbs)

vvebs	iens.Comp. webs		rens. Comp.	
I - D	484 - 131	D-H	485	- 130



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SEQN: 62172 / HIPS Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T13 / FROM: DrwNo: 108.22.1559.06475 Qty: 1 Parnell Truss Label: B15 AK / FV 04/18/2022 4'9"1 9' 13'4" 17'6"15 22'4" 4'9"1 4'2"15 4'4" 4'2"15 4'9"1 =4X6 D ≡4X4 E **≷3**½4 4'10"3 5'6" 4*3 K ≡5X5 ∥2X4 =3X8 ∥2X4 =3X4(A1) =3X4(A1) 22'4" 4'4"11 4'6"7 4'7"5 4'2"4 4'7"5 - 1'6" - 1'6" -4'7"5 13'2"4 17'8"11 22'4"

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/#
1.0220.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.053 K 999 240
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.106 K 999 180
10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.023 G
IDec I d: 40 00	EXP: C Kzt: NA		HORZ(TL): 0.046 G
INCOCIL: 40 00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
0 - 45:4.	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.232
	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.411
1	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.175
-	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: 21.02.00.1005.17

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.

▲ Maximum Reactions (lbs)						
	Gr	avity		No	n-Grav	/ity
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL
B 1	013	/-	/-	/615	/185	/154
G 1	013	/-	/-	/615	/185	/-
Wind	react	ions bas	ed on M	WFRS		
ВЕ	Brg W	id = 5.5	Min R	eq = 1.5	(Truss	s)
G E	Brg W	id = 5.5	Min R	eq = 1.5	(Truss	s)
Beari	ngs B	& G are	a rigid	surface.		
Memb	oers r	not listed	have fo	rces less	than 3	375#
Maximum Top Chord Forces Per Ply (lbs)						
Chord	ds T	ens.Com	ıp. C	hords	Tens.	Comp.
в-с		605 - 15	i93 E	- F	571	- 1243

605 - 1593

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

573 - 1249

558 - 1067

C-D

D-E

B-L	1369 - 439	J - I	1366	- 448
L-K	1366 - 441	I - G	1369	- 446
K - J	1064 - 318			



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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.



FROM: DrwNo: 108.22.1559.07710 Qty: 1 Parnell Truss Label: B16 AK / FV 04/18/2022 15'2' 22'4" 8'2' 7'2" ₩7X6 C =6X6 D 3'11"3 3'10"3 H ∥2X4 G ≡5X5 =3X4(A1) =3X4(A1) 22'4" 7'1"12 7'6"12 7'7"8 - 1'6" - 7'1"12 14'8"8 22'4"

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	ı
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): 0.049 G 999 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.098 G 999 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.022 E	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.044 E	
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.699	
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.598	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.136	
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00.1005.17	
Lumber				•

Job Number: 22-7310

	▲ Maximum Reactions (lbs)						
		Gravit	/	N	on-Grav	vity	
,	Loc R	+ /R-	/ Rh	/ Rw	/ U	/ RL	
,	B 10	13 /-	/-	/607	/188	/131	
	E 101	13 /-	/-	/608	/186	/-	
	Wind re	eactions	based or	MWFRS			
	B Bro	g Wid =	5.5 Mir	n Req = 1.	5 (Trus	s)	
	E Br	g Wid =	5.5 Mir	Req = 1.	5 (Trus	s)	
	Bearing	js B & E	are a rig	id surface.	-	-	
	Membe	rs not li	sted have	forces les	s than 3	375#	
	Maximum Top Chord Forces Per Ply (lbs)						
	Chords	Tens.	Comp.	Chords	Tens.	Ćomp.	
	в-с	764	- 1515	D - E	760	- 1517	
	C-D	753	- 1302			-	

Cust: R 215 JRef: 1XeT2150011 T12 /

SEQN: 62200 /

SPEC

Ply: 1

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.

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

B - H	1282	- 555	G-E	1287	- 559
H - G	1288	- 552			



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SEQN: 62191 / SPEC Ply: 2 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T60 / FROM: DrwNo: 108.22.1559.05555 Qty: 1 Parnell Truss Label: B17 SSB / FV 04/18/2022 2 Complete Trusses Required 13' 15'2' 22'4" 2'11' 5'1' 2'2' 7'2" =4<u>X</u>4 =4X6 C |||2X4 D ≢5X10(SRS) 3'11"3 4"3 K ∥2X4 =6X6 =3X4 =3X4(A1) =3X4(A1) 22'4" 5'1"12 2'9"4 7'1"4 7'3"12 -- 1'6" -- + 1'6" + 5'1"12 15'0"4 22'4" ▲ Maximum Reactions (lbs)

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): 0.081 D 999 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.161 D 999 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.024 G	
Des Ld: 40.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.048 G Creep Factor: 2.0 Max TC CSI: 0.315 Max BC CSI: 0.492 Max Web CSI: 0.327	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00.1005.17	
Lumber Michael Committee C				

Lumber

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

Nailnote

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

in each row to avoid splitting.

Special Loads

(Lumber	Dur.Fac.=1.	25 / Plate D	Our.Fac.=1.2	25)
TC: From	62 plf at	-1.50 to	62 plf at	5.00
TC: From	31 plf at	5.00 to	31 plf at	7.94
TC: From	62 plf at	7.94 to	62 plf at	23.83
BC: From	20 plf at	0.00 to	20 plf at	5.06
BC: From	10 plf at	5.06 to	10 plf at	7.94
BC: From	20 plf at	7.94 to	20 plf at	22.33
TC: 128 lb	Conc. Load	at 5.06, 7.	06	
BC: 90 lb	Conc. Load	at 5.06, 7.	06	
BC: 896 lb	Conc. Load	at 7.94		

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

Wind loads and reactions based on MWFRS

Wind loading based on both gable and hip roof types.

It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data,including dimensions and loads, conform to the architectural plans/specifications and fabricators truss layout.

				,		
	Gravity			No	on-Grav	/ity
	Loc R+	- / R-	/ Rh	/ Rw	/ U	/ RL
	B 182	5 /-	/-	/-	/361	/-
	G 141	2 /-	/-	/-	/274	/-
	Wind re	actions b	ased on I	MWFRS		
	B Brg	Wid = 5.	5 Min I	Req = 1.5	(Truss	s)
	G Brg	Wid = 5.	5 Min I	Req = 1.5	(Truss	s)
	Bearing	s B & G a	are a rigid	surface.		
	Membei	rs not liste	ed have f	orces less	s than 3	375#
	Maximu	ım Top C	hord Fo	rces Per	Ply (lb:	s)
	Chords	Tens.Co	mp.	Chords	Tens.	Comp.
_	B-C	313 -	1637	F.F	206	- 1164
	C-D		2015		218	- 1173

Maximum Bot Chord Forces Per Ply (lbs)

371 - 2015

Chords	Tens.Comp.	Chords	Tens. (Comp.
B-K K-J	1428 - 267 1431 - 265			- 306 - 178

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - J	775 - 141	E-I	199 - 994
J - E	399 - 72	I-F	857 - 119



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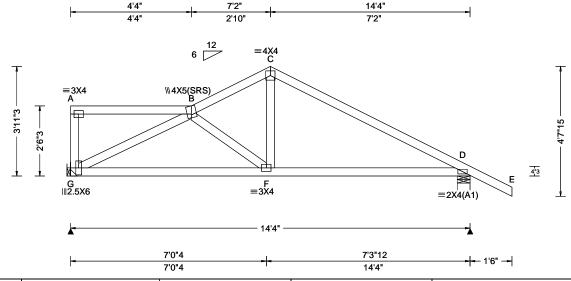
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SEQN: 62183 / COMN Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T61 / FROM: DrwNo: 108.22.1559.06521 Qty: 1 Truss Label: B18 AK / FV 04/18/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	1
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 0.00 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 CWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.017 B 999 240 VERT(CL): 0.034 B 999 180 HORZ(LL): 0.008 D HORZ(TL): 0.016 D Creep Factor: 2.0 Max TC CSI: 0.546 Max BC CSI: 0.549 Max Web CSI: 0.386	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00.1005.17],
Lumber				

▲ M	▲ Maximum Reactions (lbs)							
	(Gravity		N	on-Grav	vity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
G	578	/-	/-	/302	/108	/106		
D	696	/-	/-	/439	/123	/-		
Win	d rea	ctions b	ased or	MWFRS				
G	Brg \	Vid = -	Mir	n Req = -				
D	Brg \	Wid = 5.	5 Mir	n Req = 1.	5 (Truss	s)		
Bea	ıring [) is a rig	jid surfa	ice.				
Mer	nbers	not list	ed have	forces les	s than 3	375#		
Maximum Top Chord Forces Per Ply (lbs)								
Cho	ords	Tens.Co	omp.	Chords	Tens.	Ćomp.		
В-	С	400	- 739	C - D	362	- 806		

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 767 - 339 641

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. G-B 529 - 845

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

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.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



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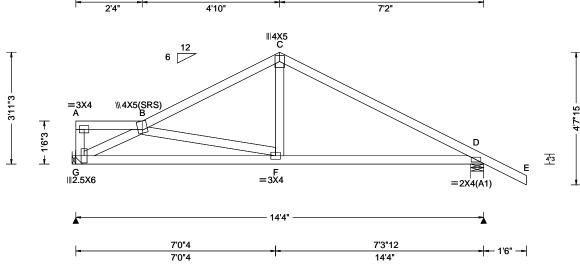
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SEQN: 62592 / COMN Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T59 / FROM: DrwNo: 108.22.1559.07522 Qty: 1 Parnell Truss Label: B19 AK / FV 04/18/2022 7'2" 14'4"



			DefI/CSI Criteria	1 -
TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 0.00 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 Wind Duration: 1.60	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): 0.017 F 999 240 VERT(CL): 0.035 F 999 180 HORZ(LL): 0.009 D HORZ(TL): 0.017 D Creep Factor: 2.0 Max TC CSI: 0.475 Max BC CSI: 0.558 Max Web CSI: 0.207 VIEW Ver: 21.02.00.1005.17	
Lumber	Willia Dulation. 1.00	WAVE	VILVV VCI. 21.02.00.1005.17	J ⁻

▲ M	▲ Maximum Reactions (lbs)							
	(Gravity		N	on-Grav	vity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
G	578	/-	/-	/306	/101	/106		
D	696	/-	/-	/340	/127	/-		
Wir	nd rea	ctions b	ased or	MWFRS				
G	Brg \	Wid = -	Mir	n Req = -				
D	Brg \	Wid = 5.	5 Mir	n Req = 1.	5 (Truss	s)		
Bea	ıring l) is a rig	jid surfa	ice.				
Mei	mbers	not list	ed have	forces les	s than 3	375#		
Maximum Top Chord Forces Per Ply (lbs)								
Cho	ords	Tens.Co	mp.	Chords	Tens.	Comp.		
В-	С	359	- 782	C - D	342	- 812		

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 877 - 388 648

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. G-B 552 - 974

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

Top chord: 2x4 SP #2;

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.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



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SEQN: 62176 / COMN Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T53 / FROM: DrwNo: 108.22.1559.06693 Qty: 1 Parnell Truss Label: B20 AK / FV 04/18/2022 7'2" 14'4" 7'2" ∥4X5 B 3'11"3 4"3 E ∥2X4 ≡2X4(À1) =2X4(A1) 7'2" 7'2" – 1'6" –- 7'2" 14'4"

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): 0.014 A 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.028 A 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.009 A
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.017 A
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.533
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.513
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.123
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00.1005.17
Lumber			

▲ Ma	▲ Maximum Reactions (lbs)						
	G	ravity		No	on-Grav	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
Α	584	/-	/-	/340	/98	/116	
С	690	/-	/-	/427	/128	/-	
Win	d reac	tions ba	sed on	MWFRS			
Α	Brg V	Vid = 5.5	Min	Req = 1.5	(Trus	s)	
С	Brg V	Vid = 5.5	Min	Reg = 1.5	(Trus	s)	
Bea	rings /	A & C ar	e a rigi	d surface.	-		
Men	nbers	not liste	d have	forces less	s than 3	375#	
Max	Maximum Top Chord Forces Per Ply (lbs)						
Cho	rds T	ens.Co	mp.	Chords	Tens.	Ćomp.	
A - E	3	464 -	818	B - C	462	- 821	

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.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 660 - 226 660 - 226



Flored Level Product Approval #FL 1999

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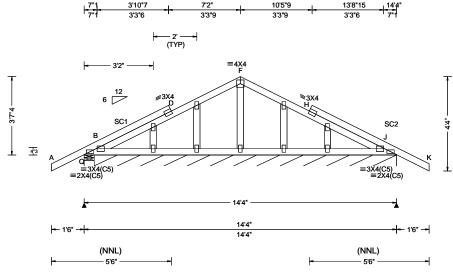
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 62174 / GABL Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T4 / FROM: Qty: 1 DrwNo: 108.22.1559.07038 Truss Label: B21 AK / FV 04/18/2022



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	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): 0.002 H 999 240 VERT(CL): 0.004 H 999 180 HORZ(LL): 0.002 H HORZ(TL): 0.002 H Creep Factor: 2.0
Soffit: 0.00	TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18	FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Max TC CSI: 0.265 Max BC CSI: 0.045 Max Web CSI: 0.058
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00.1005.17

▲ Maximum Reactions (lbs), or *=PLF							
	G	avity		No	on-Gra	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
Q	278	/-	/-	/184	/63	/127	
J*	79	/-	/-	/44	/13	/-	
Win	d read	ctions b	ased on N	/WFRS			
Q	Brg V	Vid = 5.	5 Min F	Req = 1.5	(Trus	s)	
J	Brg V	Vid = 10	66 Min F	Req = -			
Bea	rings	Q&Ba	re a rigid	surface.			
Mer	nbers	not liste	ed have fo	rces les	s than	375#	

Lumber

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

Stack Chord: SC2 2x4 SP #2;

Plating Notes

All plates are 2X4 except as noted.

In lieu of structural panels use purlins to brace 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.

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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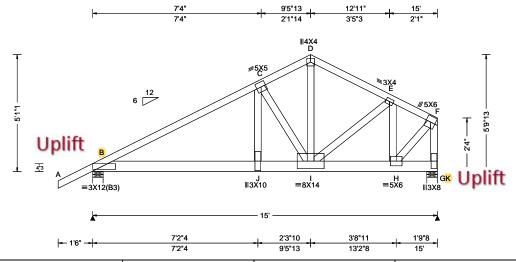
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SEQN: 88499 / SPEC Ply: 2 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T73 / FROM: Qty: 1 DrwNo: 108.22.1559.06287 Parnell Truss Label: B22 AK / FV 04/18/2022

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 0.00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	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): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.065 J 999 240 VERT(CL): 0.130 J 999 180 HORZ(LL): 0.012 G HORZ(TL): 0.024 G Creep Factor: 2.0 Max TC CSI: 0.664 Max BC CSI: 0.270 Max Web CSI: 0.856 VIEW Ver: 21.02.01.1216.15	Gravity Loc R+ /R- /RI B 3390 /- /- K 4767 /- /- Wind reactions based of B Brg Wid = 5.5 M K Brg Wid = 5.5 M Bearings B & K are a ri Members not listed hav Maximum Top Chord Chords Tens.Comp. B - C 565 - 3301
Lumber		•		C - D 409 - 2334

Reactions (lbs) Non-Gravity /Rh /Rw /U /RL /594 /-/-/836 ns based on MWFRS Min Req = 1.5 (Truss) = 5.5 = 5.5 Min Req = 2.0 (Truss) K are a rigid surface. listed have forces less than 375# p Chord Forces Per Ply (lbs) .Comp. Chords Tens. Comp.

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

Nailnote

Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @ 3.25" o.c. Webs : 1 Row @ 4" o.c.

Use equal spacing between rows and stagger nails

in each row to avoid splitting.

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 62 plf at -1.50 to 62 plf at TC: From 31 plf at 7.06 to 31 plf at 15.00 TC: From BC: From 20 plf at 0.00 to 20 plf at 7.06 BC: From 10 plf at 7.06 to BC: 3186 lb Conc. Load at 7.06 7.06 to 10 plf at 15.00

BC: 1323 lb Conc. Load at 9.06,11.06,13.06

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 Bot Chord Forces Per Ply (lbs)

Chords			Chords	Tens. (
B - J	2911	- 489	I-H	1583	- 279

E-F

405 - 2328

303 - 1721

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
J-C	1587 - 214	E-H	129 - 712
C-I	238 - 1519	H - F	2246 - 395
D - I	2032 - 351	F-G	431 - 2441
I-E	645 - 105		



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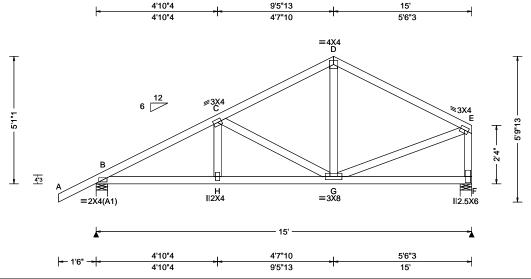
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SEQN: 62240 / SPEC Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T29 / FROM: DrwNo: 108.22.1559.07537 Qty: 2 Parnell Truss Label: B23 AK / FV 04/18/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	7
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.020 H 999 240	[
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.039 H 999 180	L
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.006 F	ı
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.012 F	١
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	E
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.402	F
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.351	Ľ
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.204	
J	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		ľ
	GCpi: 0.18	Plate Type(s):] -
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00.1005.17	E
Lumber				٠,

▲ Maxi	mum Re	actions (lbs)		
	Gravity		N	on-Grav	/ity
Loc R	+ /R-	/ Rh	/ Rw	/ U	/ RL
B 723	3 /-	/-	/462	/129	/136
F 606	S /-	/-	/321	/106	/-
Wind re	eactions b	oased on	MWFRS		
B Bro	wid = 5	.5 Min	Req = 1.5	5 (Truss	s)
F Bro	Wid = 5	.5 Min	Req = 1.5	5 (Truss	s)
			d surface.	`	′
	•	-	forces les	s than 3	375#
Maxim	um Top	Chord Fo	orces Per	Ply (lb	s)
			Chords		•
B-C	348	- 977	D-E	258	- 603
C-Ď	287	- 596			

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.

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

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C-G G-E	198 - 386 490 - 151	E-F	260 - 559



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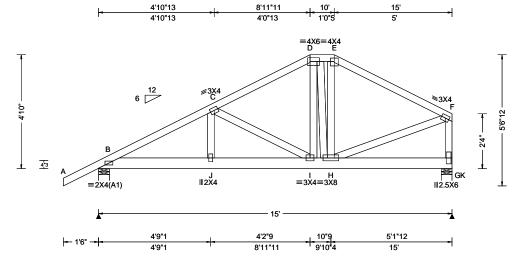
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SEQN: 62596 / HIPS Ply: 2 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T97 / FROM: Qty: 1 DrwNo: 108.22.1559.06334 Parnell Truss Label: B24 AK / FV 04/18/2022

2 Complete Trusses Required



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.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.017 J 999 240	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.034 J 999 180	E
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.004 C	k
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft	D 11 11 0 1	HORZ(TL): 0.007 C	V
NCBCLL: 0.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	١'n
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.203	E
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.097	ľ
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.255	ľ
-	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		ľ
	GCpi: 0.18	Plate Type(s):] -
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00.1005.17	E
Lumber				•

▲ Ma	▲ Maximum Reactions (lbs)						
	Gravity			No	Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
В 1	167	/-	/-	/-	/229	/-	
K 1	290	/-	/-	/-	/219	/-	
Wind	reac	tions I	based on	MWFRS			
ВЕ	3rg W	/id = 5	5.5 Min	Req = 1.5	(Trus	s)	
KE	3rg W	/id = 5	5.5 Min	Req = 1.5	(Trus	s)	
Beari	ngs I	3 & K	are a rigi	d surface.	•	•	
Meml	oers	not lis	ted have	forces less	s than 3	375#	
Maxi	mum	Тор	Chord F	orces Per	Ply (lb	s)	
Chore	ds T	ens.C	Comp.	Chords	Tens.	Ćomp.	
в-с		180	- 984	D-E	108	- 637	
C-D		143	- 770	E-F	134	- 741	

Maximum Bot Chord Forces Per Ply (lbs)

Chords

Webs

F-G

Tens. Comp.

Tens. Comp.

- 117

-624

660

121

Chords Tens.Comp.

J - I

Webs

D - I

H-F

857 - 152

854 - 152

Tens.Comp.

670 - 113

409 - 88

Maximum Web Forces Per Ply (lbs)

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

Nailnote

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

Use equal spacing between rows and stagger nails

in each row to avoid splitting.

Special Loads

(Lumber	Dur.Fac.=1.	.25 / Plate [Dur.Fac.=1.2	25)
TC: From	62 plf at	-1.50 to	62 plf at	8.97
TC: From	31 plf at	8.97 to	31 plf at	10.00
TC: From	62 plf at	10.00 to	62 plf at	15.00
BC: From	20 plf at	0.00 to	20 plf at	8.46
BC: From	10 plf at	8.46 to	10 plf at	9.97
BC: From	20 plf at	9.97 to	20 plf at	15.00
TC: 251 lb				
BC: 626 lb				
BC: 298 lb	Conc. Load	at 9.97		

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.



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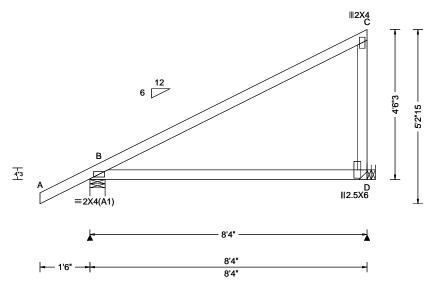
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SEQN: 62231 / MONO Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T71 / FROM: DrwNo: 108.22.1559.07756 Qty: 1 Parnell Truss Label: B25 AK / FV 04/18/2022



ſ	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): NA
1	DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
1		Risk Category: II	Snow Duration: NA	HORZ(LL): 0.022 B
	Des Ld: 40.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25	EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0)	HORZ(TL): 0.043 B Creep Factor: 2.0 Max TC CSI: 0.436 Max BC CSI: 0.700 Max Web CSI: 0.085
		GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): WAVE	VIEW Ver: 21.02.00.1005.17

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 453 /311 /168 327 /-/231 /-/92 Wind reactions based on MWFRS Brg Wid = 5.5 Min Reg = 1.5 (Truss) Brg Wid = -Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



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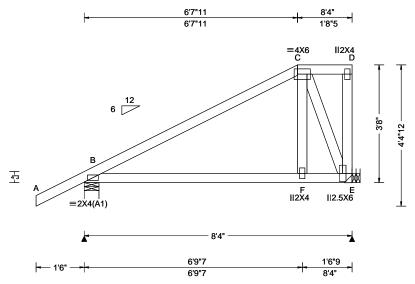
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SEQN: 62228 / HIPM Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T70 / FROM: DrwNo: 108.22.1559.07444 Qty: 1 Parnell Truss Label: B26 AK / FV 04/18/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.015 B 999 240	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.030 B 999 180	B 453 /- /- /314 /64 /138
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.010 B	E 327 /- /- /204 /81 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.019 B	Wind reactions based on MWFRS
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	B Brg Wid = 5.5 Min Req = 1.5 (Truss)
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.606	E Brg Wid = - Min Req = -
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.425	Bearing B is a rigid surface.
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.109	Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs)
' '	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		Webs Tens.Comp.
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00.1005.17	C - E 251 - 377
Lumber				-

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

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.

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



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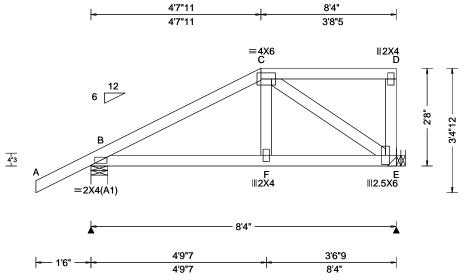
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SEQN: 62226 / HIPM Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T43 / FROM: DrwNo: 108.22.1559.06490 Qty: 1 Parnell Truss Label: B27 AK / FV 04/18/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2	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	PP Deflection in loc L/defl L/# VERT(LL): 0.004 F 999 240 VERT(CL): 0.007 B 999 180 HORZ(LL): 0.002 B HORZ(TL): 0.004 B Creep Factor: 2.0 Max TC CSI: 0.309 Max BC CSI: 0.191	A Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 453 /- /- /309 /77 /103 E 327 /- /- /181 /70 /- Wind reactions based on MWFRS B Brg Wid = 5.5 Min Req = 1.5 (Truss) E Brg Wid = Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#
Spacing: 24.0 "	C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Max Web CSI: 0.119 VIEW Ver: 21.02.00.1005.17	Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 263 - 386

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

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.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



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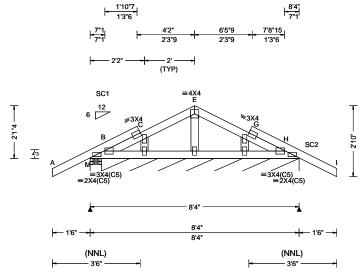
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SEQN: 62202 / GABL Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T24 / Qty: 1 FROM: DrwNo: 108.22.1559.05553 Truss Label: B28 AK / FV 04/18/2022



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 E 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.000 B 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: 15.00 ft		HORZ(TL): 0.000 F
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.234
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.027
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.022
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00.1005.17

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL М 236 /176 /89 /49 H* 81 /13 /-Wind reactions based on MWFRS Bearings M & 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.

In lieu of structural panels use purlins to brace 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.

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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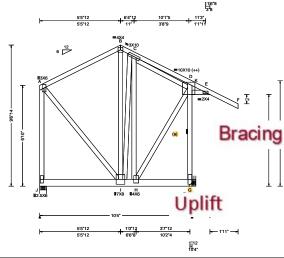
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SEQN: 62453 / COMN Ply: 2 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T58 / FROM: DrwNo: 108.22.1559.07772 Qty: 1 Parnell Truss Label: B29 AK / FV 04/18/2022

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): 0.030 I 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.059 I 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.013 D
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 17.58 ft		HORZ(TL): 0.025 D
NCBCLL: 0.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.313
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.614
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.728
	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: 21.02.00.1005.17
Lumber	·	Wind	·

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 4488 /-/429 5149 /-/-/737 Wind reactions based on MWFRS Brg Wid = 5.5Min Req = 1.9 (Truss) Brg Wid = -Min Reg = -Bearing J 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. 122 - 1072 108 - 1028

Lumbei

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

(a) Continuous lateral restraint equally spaced on

Nailnote

Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 2 Rows @ 3.50" o.c. (Each Row) Webs : 1 Row @ 4" o.c. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 31 plf at 0.00 to 31 plf at 31 plf at 62 plf at 31 plf at 8.40 TC: From BC: From 62 plf at 8.40 to 13.46 10 plf at 0.00 to 10 plf at BC: 1790 lb Conc. Load at 2.06 BC: 1792 lb Conc. Load at 4.06 BC: 1783 lb Conc. Load at 5.60, 6.40 BC: 1788 lb Conc. Load at 8.40

(++) - This plate works for both joints covered.

Hangers / Ties

(J) Hanger Support Required, by others

Wind

Wind loads and reactions based on MWFRS. 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.

876

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - J	188 - 1618	C-H	10 - 523
A - I	1457 - 159	C - K	208 - 1065
B - I	828 - 58	H - K	1801 - 209
I-C	632 - 33	K-G	323 - 2252



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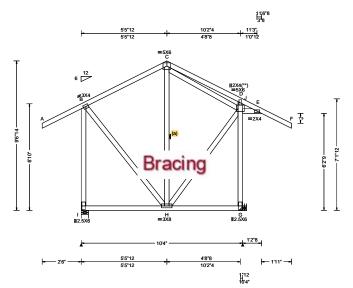
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SEQN: 62215 / COMN Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T65 / FROM: DrwNo: 108.22.1559.06898 Qty: 1 Parnell Truss Label: B30 AK / FV 04/18/2022



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): 0.016 E 856 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.032 E 414 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.005 D	
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 17.58 ft		HORZ(TL): 0.010 D	
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.480	
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.306	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.464	
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		4
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00.1005.17	╛
Laurelaur	· · · · · · · · · · · · · · · · · · ·	·		

▲ Ma	▲ Maximum Reactions (lbs)							
	(Gravity		N	on-Gra	vity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
li :	583	/-	/-	/312	/135	/136		
G	640	/-	/-	/354	/160	/-		
Win	d rea	actions b	ased o	n MWFRS				
1	Brg	Wid = 5	.5 Mi	n Req = 1.	5 (Trus	s)		
G	Brg	Wid = -	Mi	n Req = -				
Bea	ring l	l is a rig	id surfa	ce.				
Men	nbers	s not list	ed have	e forces les	s than :	375#		
Max	Maximum Top Chord Forces Per Ply (lbs)							
Cho	rds	Tens.C	omp.	Chords	Tens.	Comp.		
C-1)	488	- 547	D - E	533	- 642		

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

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

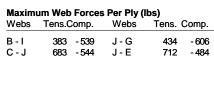
Hangers / Ties

(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.





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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

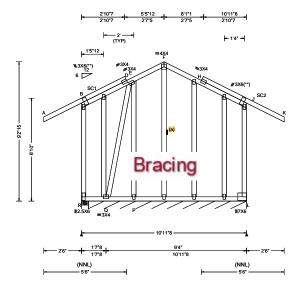
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 62206 / GABL Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T3 / FROM: DrwNo: 108.22.1559.06523 Qty: 1 Parnell Truss Label: B31 AK / FV 04/18/2022



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): 0.003 J 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.005 J 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.033 J
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.048 J
NCBCLL: 10.00	Mean Height: 17.42 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.577
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.032
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.687
-	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00.1005.17
Lumber		Additional Notes	

Lumber	Additional No
Top chord: 2x4 SP #2;	See DWGS A

See DWGS A14030ENC160118 & 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								
	Gravity Non-Gravity							
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
R	320	/-	/-	/259	/130	/131		
L*	85	/-	/-	/54	/14	/-		
Win	nd rea	ctions l	pased on	MWFRS				
R	Brg	Wid = 5	.5 Min	Req = 1.5	(Trus	s)		
L	Brg	Wid = 1	25 Min	Req = -	•	•		
Bea	irings	R&R	are a rigio	d surface.				
Mer	Members not listed have forces less than 375#							
Maximum Web Forces Per Ply (lbs)								
		Tens.C		_	-,			
Q-	Е	561	- 561					

Maximum Gable Forces Per Ply (lbs) Gables Tens.Comp. Gables Tens. Comp. B - R 487 - 307 J - L 416 - 307					
Gables	Tens.Comp.		Gables	Tens. Comp.	
B-R E-P		- 307 - 509	J-L	416	- 307

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

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

Stack Chord: SC2 2x4 SP #2;

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

In lieu of structural panels use purlins to brace 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.



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

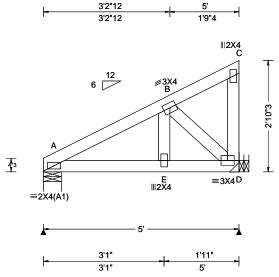
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 62412 / MONO Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T23 / FROM: DrwNo: 108.22.1559.07178 Qty: 1 Parnell Truss Label: C01 AK / FV 04/18/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (It
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25	Wind Stite 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 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: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.003 E 999 240 VERT(CL): 0.007 E 999 180 HORZ(LL): 0.001 D HORZ(TL): 0.003 D Creep Factor: 2.0 Max TC CSI: 0.082 Max BC CSI: 0.763 Max Web CSI: 0.123 VIEW Ver: 21.02.00.1005.17	Gravity Loc R+ /R- /Rh
I				•

	▲ Maximum Reactions (lbs)							
		G	ravity		No	on-Gra	vity	
,	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
١	Α	297	/-	/-	/-	/38	/-	
	D	1052	/-	/-	/-	/47	/-	
	Win	d read	tions b	ased on I	MWFRS			
	Α	Brg V	Vid = 5	.5 Min f	Req = 1.5	(Trus	s)	
	D	Brg V	Vid = -	Min f	Req = -	-	·	
	Bea	ring A	is a rig	gid surface	э.			
	Mer	nbers	not list	ed have fo	orces less	s than	375#	
	Maximum Top Chord Forces Per Ply (lbs)							
	Cho	ords T	ens.C	omp.		•	•	
	Α-	В	49	- 443				
_								

Lumber

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

Special Loads

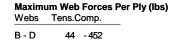
--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 62 plf at 0.00 to BC: From 20 plf at 0.00 to BC: 937 lb Conc. Load at 4.56 0.00 to 0.00 to 62 plf at 20 plf at

Hangers / Ties

(J) Hanger Support Required, by others

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.





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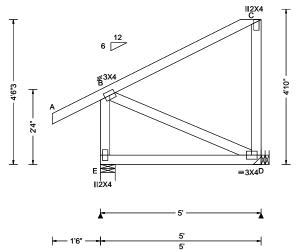
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 88485 / HIPM Ply: 2 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T27 / Qty: 1 DrwNo: 108.22.1559.06662 FROM: Page 1 of 2 Truss Label: C02 AK / FV 04/18/2022

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	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 B 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.000 B 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 B
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.000 B
NCBCLL: 0.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.104
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.766
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.159
	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
l		•	

▲ Maximum Reactions (lbs)						
	G	ravity		No	on-Grav	∕ity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Е	677	/-	/-	/-	/169	/-
D	626	, /-	/-	/-	/155	/-
Wir	d read	ctions b	ased on N	/WFRS		
Е	Brg V	Vid = 5.	5 Min F	Req = 1.5	(Trus	s)
D	Brg V	Vid = -	Min F	Req = -	•	•
Bearing E 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;

Nailnote

Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @ 8.00" o.c. Webs : 1 Row @ 4" o.c.

Use equal spacing between rows and stagger nails

in each row to avoid splitting.

Special Loads

-(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 62 plf at -1.50 to 62 plf at 0.73 TC: From TC: From 31 plf at 0.73 to 31 plf at 5.00 BC: From 10 plf at 0.00 to 10 plf at BC: 327 lb Conc. Load at 0.73, 2.73, 4.73

Wind loads and reactions based on MWFRS.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



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SEQN: 88485 / HIPM Ply: 2 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T27 / DrwNo: 108.22.1559.06662 FROM: Qty: 1 Page 2 of 2 Truss Label: C02 AK / FV 04/18/2022

Hangers / Ties

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

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

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

Bearing at location x=4'9" uses the followin support conditions: 4'9"
Bearing D (4'9", 10") LUS26-2
Supporting Member: (2)2x6 SP 2400f-2.0E
(4) 0.148"x3" nails into supporting uses the following member (3) 0.148"x3" nails into supported member.



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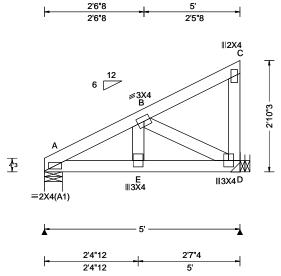
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SEQN: 62186 / MONO Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T56 / FROM: DrwNo: 108.22.1559.06897 Qty: 1 Parnell Truss Label: C03 AK / FV 04/18/2022



	ur: 10 % :	00.11.12.12.24.22.2	D (1/00) 0 '/ '
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): 0.008 E 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.016 E 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): 0.005 D
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 0.00	TCDL: 5.0 psf BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.095
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.318
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.290
-, 3	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: 21.02.00.1005.17
Lumber	•	•	•

	▲ Maximu	ım Rea	ections (II	bs)			
	G	ravity	-	No	on-Grav	vity	
,	Loc R+	/ R-	/Rh	/ Rw	/ U	/ RL	
)	A 566	/-	/-	/-	/100	/-	
	D 896	/-	/-	/-	/162	/-	
	Wind read	tions b	ased on N	MWFRS			
	A Brg V	Vid = 5	.5 Min F	Req = 1.5	(Truss	s)	
	D Brg V	Vid = -	Min F	Req = -	•		
	Bearing A	is a rig	jid surface	∍.			
	Members	not list	ed have fo	orces less	s than 3	375#	
	Maximum Top Chord Forces Per Ply (lbs)						
	Chords T	ens.Co	omp.				
	A - B	182	- 999				

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

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 62 plf at 31 plf at 20 plf at TC: From 62 plf at 0.00 to 2.40 to 2.40 5.00 TC: From 31 plf at 20 plf at BC: From 0.00 to 2.40 10 plf at 2.40 to BC: From 10 plf at BC: 578 lb Conc. Load at 2.40, 4.40

Hangers / Ties

(J) Hanger Support Required, by others

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 Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 860 - 152 812 - 145

Maximum Web Forces Per Ply (lbs) Tens. Comp. Webs Tens.Comp. Webs 761 - 111 B-D 161 - 902



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

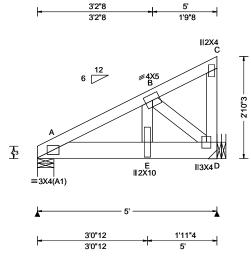
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SEQN: 62613 / MONO Ply: 2 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T40 / FROM: DrwNo: 108.22.1559.06584 Qty: 1 Parnell Truss Label: C04 AK / FV 04/18/2022

2 Complete Trusses Required



		,	
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	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): 0.010 A 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.020 A 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.004 A
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.008 A
NCBCLL: 0.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.196
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.280
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.436
-,	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: 21.02.00.1005.17
Lumber		•	

▲ Maximum Reactions (lbs)							
Gravity				Non-Gravity			
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL	
Α	2352	/-	/-	/-	/208	/-	
D	1588	/-	/-	/-	/140	/-	
Win	d read	tions ba	sed on	MWFRS			
Α	Brg V	/id = 5.5	Min	Req = 1.5	(Trus	s)	
D	Brg V	/id = -	Min	Req = -		•	
Bea	ring A	is a rigid	d surfac	e.			
Members not listed have forces less than 375#							
Maximum Top Chord Forces Per Ply (lbs)							
Chords Tens.Comp.							
A - E	3	96 - 1	112				

Maximum Bot Chord Forces Per Ply (lbs)

Maximum Web Forces Per Ply (lbs)

E-D

Chords Tens. Comp.

938

Chords Tens.Comp.

999

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

Nailnote

Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 2 Rows @ 4.50" o.c. (Each Row) Webs : 1 Row @ 4" o.c. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 0.00 to 62 plf at 62 plf at 10 plf at 0.00 to 10 plf at BC: 1790 lb Conc. Load at 1.06 BC: 1788 lb Conc. Load at 3.06

Hangers / Ties

(J) Hanger Support Required, by others

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.

Tens. Comp. Webs Tens.Comp. Webs E - B B-D 102 - 1213 1146

A - E



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

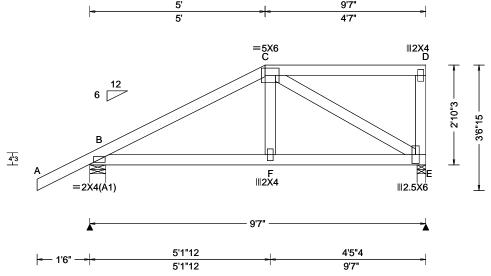
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SEQN: 88538 / HIPM Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T48 / FROM: DrwNo: 108.22.1559.05584 Qty: 1 Parnell Truss Label: D01 AK / FV 04/18/2022



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 Soffit: 0.00 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: 17.22 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	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): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.016 F 999 240 VERT(CL): 0.032 F 999 180 HORZ(LL): 0.006 E HORZ(TL): 0.013 E Creep Factor: 2.0 Max TC CSI: 0.702 Max BC CSI: 0.451 Max Web CSI: 0.472 VIEW Ver: 21.02.01.1216.15	
Lumber				

▲ Maximum Reactions (lbs)							
	G	ravity		Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
В	765	/-	/-	/-	/187	/-	
		/-		/-	/197	/-	
Win	d read	ctions ba	ased on N	/WFRS			
В	Brg V	Vid = 5.3	5 Min F	Req = 1.5	(Trus	s)	
Е	Brg V	Vid = 3.0	0 Min F	Req = 1.5	(Trus	s)	
Bea	Bearings B & E are a rigid surface.						
	Members not listed have forces less than 375#						
Maximum Top Chord Forces Per Ply (lbs)							
Chords Tens.Comp.							
		0110.00	р.				
B - 0	С	225 -	1036				
J							

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

Special Loads

(Lumber	Dur.Fac.=1.	25 / Plate D	our.Fac.=1.2	:5)	
TC: From	62 plf at	-1.50 to	62 plf at	5.00	
TC: From	31 plf at	5.00 to	31 plf at	9.58	
BC: From	20 plf at	0.00 to	20 plf at	5.03	
BC: From	10 plf at	5.03 to	10 plf at	9.58	
TC: 229 lb	Conc. Load	at 5.03	•		
TC: 138 lb Conc. Load at 7.06, 9.06					
BC: 254 lb	Conc. Load	at 5.03			

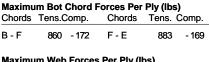
BC: **Purlins**

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

93 lb Conc. Load at 7.06, 9.06

Wind loads and reactions based on MWFRS. Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



Maximum Web Forces Per Ply (lbs)							
Webs	Tens.Comp.		Webs	Tens. Comp.			
C-F	412	0	C-E	186	- 987		



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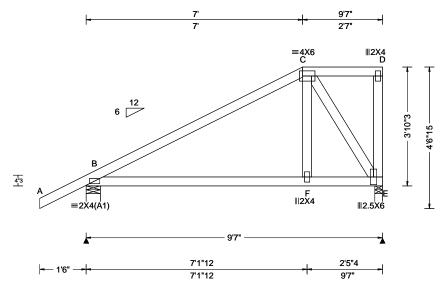
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SEQN: 62251 / HIPM Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T94 / FROM: DrwNo: 108.22.1559.07741 Qty: 1 Parnell Truss Label: D02 AK / FV 04/18/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.018 B 999 240	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.036 B 999 180	B 503 /- /- /344 /27 /108
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.011 B	E 380 /- /- /229 /72 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.023 B	Wind reactions based on MWFRS
NCBCLL: 10.00	Mean Height: 17.72 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	B Brg Wid = 5.5 Min Req = 1.5 (Truss)
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.693	E Brg Wid = 3.0 Min Req = 1.5 (Truss)
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.465	Bearings B & E are a rigid surface. Members not listed have forces less than 375#
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.144	Maximum Web Forces Per Ply (lbs)
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		Webs Tens.Comp.
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00.1005.17	C-E 286 -405
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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

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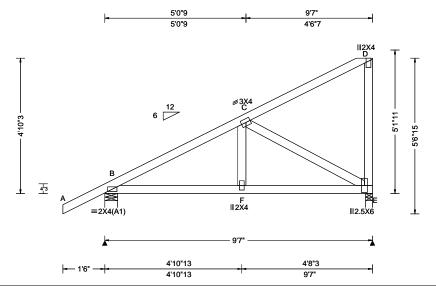
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SEQN: 62480 / HIPM Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T96 / FROM: DrwNo: 108.22.1559.07101 Qty: 1 Parnell Truss Label: D03 AK / FV 04/18/2022



ia Snow (riteria (Pg,Pf in PSI	F) Defl/CSI Criteria	
ASCE 7-16 Pg: NA	Ct: NA CAT: N	NA PP Deflection in loc L/def	L/#
) mph Pf: NA	Ce: NA	VERT(LL): 0.006 F 999	240
	Cs: NA	VERT(CL): 0.012 F 999	180
, ISHOW L	uration: NA	HORZ(LL): 0.002 E -	-
		HORZ(TL): 0.004 E -	-
Building	Code:	Creep Factor: 2.0	
IEBC 7+	Ed. 2020 Res.	Max TC CSI: 0.116	
TDI CAA	2014	Max BC CSI: 0.113	
D E-	c: Yes	Max Web CSI: 0.238	
	20(0)/10(0)		
	/pe(s):		
on: 1.60 WAVE		VIEW Ver: 21.02.00.1005.	17
	ASCE 7-16 Omph Closed ry: II tt: NA t: 18.22 ft sf rallel Dist: h to 2h 3.00 ft indwall: not in 9.00 ft Pg: NA Pf: NA Lu: NA Snow D Building FBC 7tf TPI Std Rep Far Plate Ty Plate Ty	ASCE 7-16 Pg: NA Ct: NA Ce: NA Closed ry: II tt: NA tt: 18.22 ft sf rallel Dist: h to 2h 3.00 ft rdwall: not in 9.00 ft prophy District NA Ty: NA Snow Duration: NA TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	ASCE 7-16 Omph Closed Ory: II Ct: NA Ct: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: Sf FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes Indwall: not in 9.00 ft Direction in loc L/def VERT(LL): 0.006 F 999 VERT(CL): 0.012 F 999 HORZ(LL): 0.002 E - HORZ(TL): 0.004 E - Creep Factor: 2.0 Max TC CSI: 0.116 Max BC CSI: 0.113 Max Web CSI: 0.238

Wind

member design.

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.

▲ M	▲ Maximum Reactions (lbs)						
	G	ravity		No	on-Gra	vity	
Loc	R+	/ R-	/ Rh	/Rw	/U	/ RL	
В	503	/-	/-	/343	/11	/136	
E	380	/-	/-	/246	/47	/-	
Win	d read	ctions ba	ased on N	/WFRS			
В	Brg V	Vid = 5.3	5 Min F	Req = 1.5	(Trus	s)	
E	Brg V	Vid = 3.0	0 Min F	Req = 1.5	(Trus	s)	
Bea	rings I	В&Еа	re a rigid	surface.			
Men	nbers	not liste	ed have fo	orces less	than	375#	
Max	imun	Top C	hord For	ces Per	Ply (lk	os)	
Cho	rds 1	ens.Co	mp.		•	•	
В-0	С	96 -	520				

Chords Tens. Comp.

411

Lumber Maximum Bot Chord Forces Per Ply (lbs) Top chord: 2x4 SP M-31; Chords Tens.Comp. Bot chord: 2x4 SP M-31; Webs: 2x4 SP #3;

Maximum Web Forces Per Ply (lbs)

414 - 275

C-E 310 - 462

Webs Tens.Comp.

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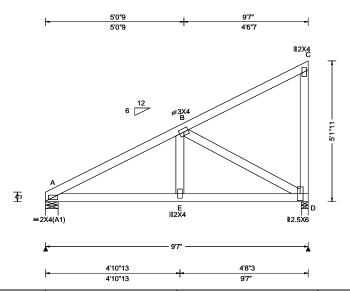
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SEQN: 62478 / MONO Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T55 / FROM: DrwNo: 108.22.1559.07646 Qty: 1 Parnell Truss Label: D04 AK / FV 04/18/2022



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): 0.007 E 999 240
BCLL: 0.00 Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.014 E 999 180
BCDL: 10.00 Risk Category: II	Snow Duration: NA	HORZ(LL): 0.003 D
Des Ld: 40.00 EXP: C Kzt: NA		HORZ(TL): 0.006 D
NCBCLL: 10.00 Mean Height: 18.74 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00 BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.356
Load Duration: 1.25 MWFRS Parallel Dist: h	to 2h TPI Std: 2014	Max BC CSI: 0.298
Spacing: 24.0 " C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.257
Loc. from endwall: not in	1 9.00 ft FT/RT:20(0)/10(0)	
GCpi: 0.18	Plate Type(s):	
Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00.1005.17

▲ M	▲ Maximum Reactions (lbs)						
	G	ravity		No	on-Gra	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
Α	401	/-	/-	/251	/-	/129	
D	389	/-	/-	/275	/61	/-	
Win	d read	ctions ba	ased on M	WFRS			
Α	Brg V	Vid = 5.3	5 Min R	eq = 1.5	(Trus	s)	
D	Brg V	Vid = 3.0	0 Min R	eq = 1.5	(Trus	s)	
Bea	rings .	A&Da	re a rigid s	surface.	-		
Men	nbers	not liste	ed have fo	rces less	s than	375#	
Maximum Top Chord Forces Per Ply (lbs)							
Cho	rds 1	ens.Co	mp.		•	•	
A - I	3	105 -	546				

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.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 443 - 306 439

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

B - D 351 - 501



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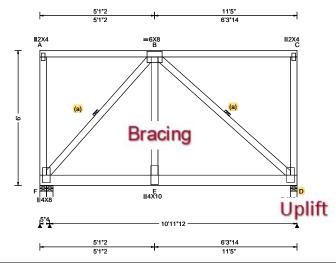
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SEQN: 88541 / FLAT Ply: 2 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T89 / FROM: Qty: 1 DrwNo: 108.22.1559.06413 Parnell Truss Label: E01 AK / FV 04/18/2022

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	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): 0.042 E 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.084 E 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.007 D
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.015 D
NCBCLL: 0.00	Mean Height: 16.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.490
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.769
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.832
-	Loc. from endwall: not in 10.50 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
	•		•

Top chord: 2x4 SP M-31; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W3 2x4 SP #2;

(a) Continuous lateral restraint equally spaced on

Nailnote

Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @ 7.75" o.c. Bot Chord: 2 Rows @ 4.00" o.c. (Each Row)
Webs :1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

(Lumber	Dur.Fac.=1.2	25 / Plate	Dur.Fac.=1.2	25)
TC: From	60 plf at	0.00 to	60 plf at	2.52
TC: From	30 plf at	2.52 to	30 plf at	11.42
BC: From	10 plf at	0.00 to	10 plf at	11.42
TC: 874 lb	Conc. Load	at 5.10		
TC: 380 lb	Conc. Load	at 7.10, 9	.10	
TC: 389 lb	Conc. Load	at 10.90		
BC: 929 lb	Conc. Load	at 0.69		
BC: 937 lb	Conc. Load	at 2.52, 4	.52	
BC: 1923 lb	Conc. Load	at 5.08		
BC: 1395 lb	Conc. Load	at 7.02, 9	.02,11.02	
			•	

Purlins

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

Wind

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

Additional Notes

Truss must be installed as shown with top chord up.

Note: Truss not designed to be installed in reverse orientation. Truss must be installed as shown.

It is the responsibility of the building designer and truss fabricator to review this dwg prior to cutting lumber to verify that all data, including dimensions and loads, conform to the architectural plans, specifications and fabricator's truss layout.

▲ N	▲ Maximum Reactions (lbs)					
	G	ravity		No	on-Grav	/ity
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL
F	3192	/-	/0	/-	/572	/0
F	2058	/-	/0	/-	/193	/-
D	6215	/-	/-	/-	/912	/-
Wir	Wind reactions based on MWFRS					
F	Brg V	Vid = 3.5	Min	Req = 1.5	(Truss	s)
F	Brg V	Vid = 3.5	Min	Req = 1.5	(Truss	s)
D	Brg V	Vid = 3.5	Min	Req = 2.6	(Truss	s)
Bea	arings I	F, F, & D	are a r	igid surfac	ce.	
Mei	mbers	not listed	d have f	orces less	than 3	375#
Ma	ximum	Bot Ch	ord Fo	rces Per	Ply (lbs	s)
Cho	ords T	ens.Con	np.	Chords	Tens.	Comp.

Mavimum	Wah	Forces	Dor	Dly (lbc)	

3552 - 529

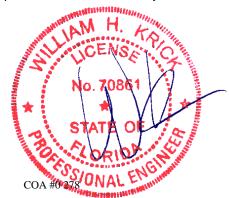
F-E

	Tens.Comp.		
F-B	394 - 2646	B - D	354 - 2377
B - E	2690 - 326		

E-D

1776

- 264



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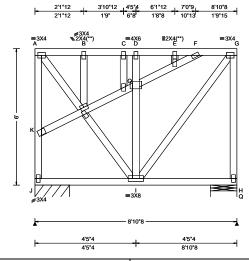
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SEQN: 62573 / FLAT Ply: 2 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T92 / DrwNo: 108.22.1559.07600 FROM: Qty: 1 Truss Label: E02 AK / FV 04/18/2022

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.00 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 10.50 ft GCpi: 0.18	Snow Pg: N Pf: N Lu: N Snow Build FBC TPI S Rep FT/R Plate
	Loo: Iroin onawaii: not iii 10:00 it	
	Wind Duration: 1.60	WAV

Snow Cri	teria (Pg	,Pf in PSF)	Defl/CSI Cr	iteria	1		
Pg: NA	Ct: NA	CAT: NA	PP Deflection	on in	loc L	/defl	L/#
Pf: NA		Ce: NA	VERT(LL):	0.02	26 F	999	240
Lu: NA	Cs: NA		VERT(CL):	0.0	52 F	999	180
Snow Dur	ration: NA		HORZ(LL):	-0.0	02 G	-	-
			HORZ(TL):	0.00	03 G	-	-
Building C	Code:		Creep Facto	or: 2.	0		
FBC 7th E	Ed. 2020 F	Res.	Max TC CS	l: (0.241		
TPI Std:	2014		Max BC CS	l: (0.029		
Rep Fac:	No		Max Web C	SI:	0.232		
FT/RT:20	(0)/10(0)						
Plate Type	e(s):						
WAVE			VIEW Ver: 2	21.02	.00.10	05.17	7

	▲ M	laxim	um Rea	ctions	(lbs), or *:	=PLF	
		0	avity		` ,	on-Grav	/ity
)	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
)	J*	517	/-	/-	/-	/103	/-
	à	797	/-	/-	/-	/96	/-
	Wir	nd rea	ctions b	ased or	MWFRS		
	J	Brg V	Vid = 18	8.3 Mir	n Reg = -		
	Q	Brg \	Vid = 1	4.0 Mir	n Req = 1.	5 (Truss	s)
	Bea	irings	J&Qa	re a rig	id surface.		
	Mei	mbers	not list	ed have	forces les	s than 3	375#
	Max	kimun	n Web I	Forces	Per Ply (II	os)	
	We	bs ⁻	Tens.Co	omp.	Webs	Tens.	Comp.
	J - I	<	82	- 381	G-H	52	- 388
	۱ŏ-	Ì	-	- 394	•		555

Lumber

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

Nailnote

Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @10.25" o.c. Bot Chord: 1 Row @12.00" o.c. Webs : 1 Row @ 4" o.c.

Use equal spacing between rows and stagger nails

in each row to avoid splitting.

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 30 plf at 0.00 to 30 plf at 8.88 10 plf at 0.00 to 10 plf at BC: From 8.88 TC: 234 lb Conc. Load at 0.63 TC: 251 lb Conc. Load at 2.63 TC: 322 lb Conc. Load at 4.60 TC: 211 lb Conc. Load at 6.60, 8.60

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.

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

Additional Notes

Truss must be installed as shown with top chord up.

Wind

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

See DWGS A16030ENC101014 & GBLLETIN0118 for more requirements.



Flored & Product Approval #FL 1999

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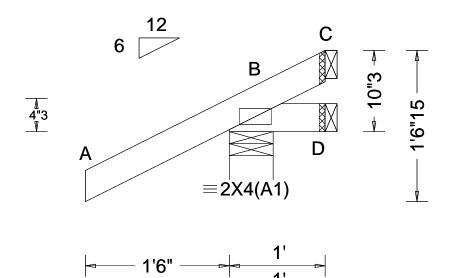
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North Building, 4th Floor Glenview, IL 60025

155 Harlem Ave

SEQN: 62444 / JACK Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T8 / FROM: DrwNo: 108.22.1559.06443 Qty: 10 Parnell Truss Label: J01 AK / FV 04/18/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (I	lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 B HORZ(TL): 0.001 B Creep Factor: 2.0 Max TC CSI: 0.250 Max BC CSI: 0.035 Max Web CSI: 0.000 VIEW Ver: 21.02.00.1005.17	Gravity Loc R+ / R- / Rh B 240 /- /- D 6 /-16 /- C - /-48 /- Wind reactions based on I B Brg Wid = 5.5 Min I	Non-Gravity / Rw / U / RL /202 /69 /38 /16 /16 /- /34 /51 /- MWFRS Req = 1.5 (Truss) Req = - Req = - Req = -

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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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

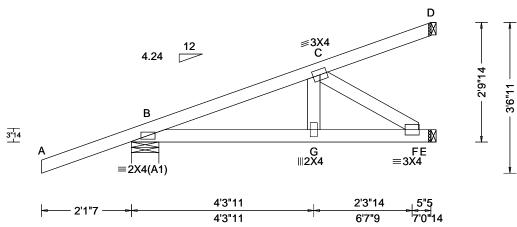
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025 SEQN: 61944 / HIP_ Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T2 / FROM: DrwNo: 108.22.1559.06272 Qty: 4 Parnell Truss Label: J01HJ AK / FV 04/18/2022





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): 0.006 G 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.012 G 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.002 B
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.003 B
NCBCLL: 0.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.405
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.209
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.028
' '	Loc. from endwall: NA	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00.1005.17
		•	•

▲ Ma	axim	um Rea	ctions (II	bs)		
	G	ravity	-	No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
в :	307	/-	/-	/-	/70	/-
E	183	/-	/-	/-	/6	/-
D	110	/-	/-	/-	/41	/-
Wind	d read	ctions b	ased on N	MWFRS		
В	Brg V	Vid = 7.	8 Min F	Req = 1.5	(Trus	s)
Е	Brg V	Vid = 1.	5 Min F	Req = -		-
D	Brg V	Vid = 1.	5 Min F	Req = -		
Bear	ring B	is a rig	id surface	e		
Mem	bers	not list	ed have fo	orces les	s than	375#

Lumber

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

Loading

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.



Florida Certificate of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

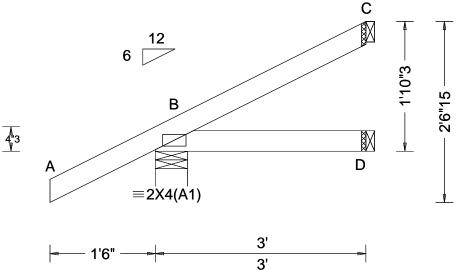
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 62446 / JACK Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T7 / FROM: DrwNo: 108.22.1559.07334 Qty: 8 Parnell Truss Label: J02 AK / FV 04/18/2022



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): 0.001 B
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.164
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.066
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: 21.02.00.1005.17
Lumber			

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 253 /190 /42 /73 D 50 /-/26 63 /36 Wind reactions based on MWFRS Brg Wid = 5.5 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.



Florda & Theate of Product Approval #FL 1999

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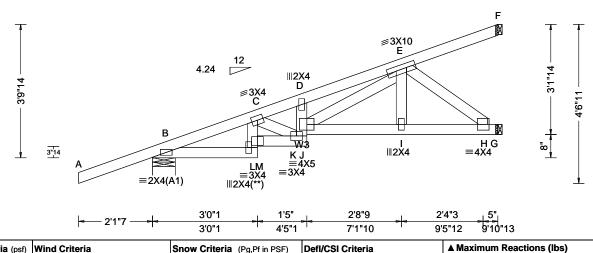
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SEQN: 61986 / HIP_ Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T39 / FROM: DrwNo: 108.22.1559.07491 Qty: 1 Parnell Truss Label: J02HJ AK / FV 04/18/2022





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): 0.079 K 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.159 K 737 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.033 H
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.066 H
NCBCLL: 0.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.405
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.417
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.800
-	Loc. from endwall: NA	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00.1005.17

Lumbe

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; W3 2x4 SP #2;

Plating Notes

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

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.

Criteria		۸A	<i>l</i> laximu	ım Rea	actions (Ik	os)		
ection in loc L/defl	L/#		G	ravity		No	on-Gra	vity
	240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
L): 0.159 K 737	180	В	461	/-	/-	/-	/96	/-
L): 0.033 H -	-	G	471	/-	/0	/-	/46	/0
L): 0.066 H -	-	F	150	/-	/-	/-	/59	/-
actor: 2.0		Wi	nd read	tions b	ased on M	IWFRS		
CSI: 0.405		В	Brg V	Vid = 7.	.8 Min R	eq = 1.5	(Trus	s)
CSI: 0.417		G	Brg V	Vid = 1.	.5 Min R	eq = -		
b CSI: 0.800		F	Brg V	Vid = 1.	.5 Min R	eq = -		
D C31. U.000		Bea	aring B	is a rig	jid surface	١.		
		Ме	mbers	not list	ed have fo	rces less	s than	375#
		Ma	ximun	Top C	Chord For	ces Per	Ply (lb	s)

Chords Tens.Comp. Chords Tens. Comp. D-E 228 - 1335 98 - 652 C-D 135 - 822

/RL

Maximum Bot Chord Forces Per Ply (lbs)

Choras	rens.c	omp.	Choras	rens. C	Jomp.
B - M L - K		- 84 - 123	J - I I - H		- 111 - 108

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
I_F	607 - 113	E-H	13/1 - 80/1	



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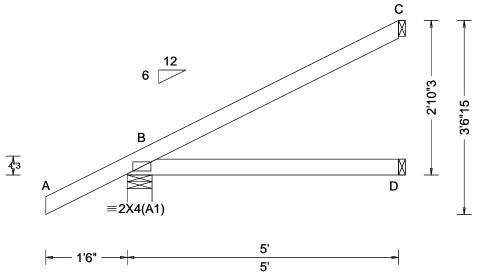
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SEQN: 61908 / **EJAC** Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T16 / FROM: DrwNo: 108.22.1559.06225 Qty: 11 Parnell Truss Label: J03 AK / FV 04/18/2022



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): 0.004 B
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: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.316
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.236
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: 21.02.00.1005.17
Lumber			

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 323 /231 /43 /109 90 /-/48 128 /79 Wind reactions based on MWFRS Brg Wid = 5.5 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.



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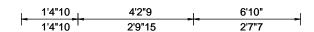
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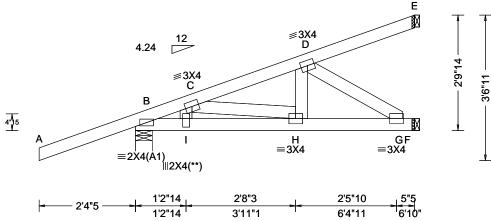
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SEQN: 88535 / HIP_ Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T64 / FROM: DrwNo: 108.22.1559.06694 Qty: 1 Parnell Truss Label: J03HJ AK / FV 04/18/2022





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 0.00 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: 17.20 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18 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: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.004 D 999 240 VERT(CL): 0.008 D 999 180 HORZ(LL): -0.001 E HORZ(TL): 0.002 E Creep Factor: 2.0 Max TC CSI: 0.521 Max BC CSI: 0.173 Max Web CSI: 0.095 VIEW Ver: 21.02.01.1216.15	Gravity Loc R+ /R- /Rh / B 323 /- /- /- F 163 /- /- /- E 100 /- /- Wind reactions based on MWF B Brg Wid = 4.9 Min Req = F Brg Wid = 1.5 Min Req = E Brg Wid = 1.5 Min Req = Bearing B is a rigid surface. Members not listed have forces

Non-Gravity Rh /Rw / U /RL /-/-/8 /43 d on MWFRS

Min Req = 1.5 (Truss) Min Req = -

Min Req = urface.

nave 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.

Loading

Hipjack supports 4-10-0 setback jacks with no webs.

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

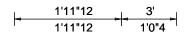
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

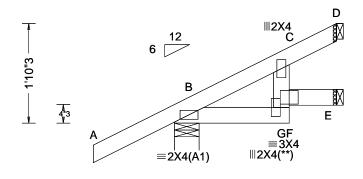
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, 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.

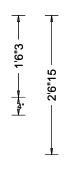
155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 61910 / JACK Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T62 / FROM: DrwNo: 108.22.1559.06975 Qty: 2 Parnell Truss Label: J04 AK / FV 04/18/2022

2'1"8







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 F 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.007 F 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.002 C
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.004 C
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	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: 0.033
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.031
' '	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: 21.02.00.1005.17
	ı	1	I .

▲ M	laxim	um Rea	ctions (II	os)		
Gravity				No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	253	/-	/-	/190	/42	/73
Е	24	/-	/-	/13	/-	/-
D	73	/-	/-	/45	/27	/-
Win	d read	ctions b	ased on N	/WFRS		
В	Brg V	Vid = 5.	5 Min F	Req = 1.5	(Trus	s)
Е	Brg V	Vid = 1	5 Min F	Req = -	•	•
D			5 Min F			
Bea	ıring B	is a rig	id surface	e		
	_	-	ed have fo		s than	375#
					u.i	0.0"

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.



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

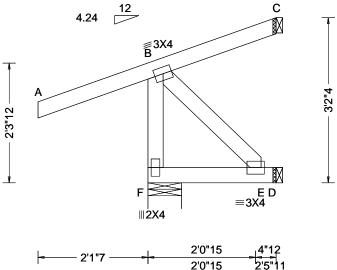
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



SEQN: 61978 / HIP_ Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T57 / FROM: DrwNo: 108.22.1559.06162 Qty: 1 Parnell Truss Label: J04HJ AK / FV 04/18/2022



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): 0.000 B 999 240	١.
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 B 999 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 C	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 C	
NCBCLL: 0.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	1
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.249	
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.006	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.032	
	Loc. from endwall: NA	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		4
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00.1005.17	
				_

▲ Maximum Reactions (lbs)							
	G	avity		N	on-Gra	vity	
Lo	c R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
F	144	/-	/-	/-	/40	/-	
D	144 3	/-	/-	/6	/-	/-	
С		/-9	/-	/0	/-	/-	
Wi	nd rea	ctions b	ased on N	/WFRS			
F	Brg V	Vid = 7.	8 Min F	Req = 1.5	5 (Trus	s)	
D	Brg \	Vid = 1.	5 Min F	Req = -	•	•	
С	Brg \	Vid = 1.	5 Min F	Req = -			
Be	aring F	is a rig	id surface).			
Me	Members not listed have forces less than 375#						

Lumber

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

Loading

Hipjack supports 1-9-0 setback jacks with no webs.

Wind

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



Flored 18/2012 ate of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

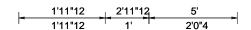
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

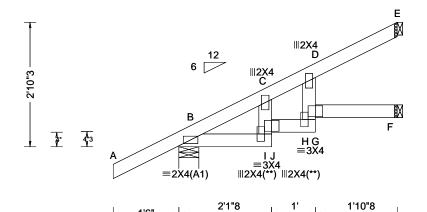
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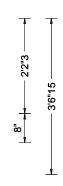
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 61912 / JACK Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T81 / FROM: DrwNo: 108.22.1559.07725 Qty: 2 Parnell Truss Label: J05 AK / FV 04/18/2022





2'1"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/#	١.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.047 G 999 240	1
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.091 G 640 180	H
BCDL: 10.00	Risk Category: II EXP: C Kzt: NA	Snow Duration: NA	HORZ(LL): 0.025 D	ı
Des Ld: 40.00	Mean Height: 15.00 ft		HORZ(TL): 0.048 D	ı
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	\
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.326	Ľ
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.078	Н
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.112	H
'	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		H
	GCpi: 0.18	Plate Type(s):		1.
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00.1005.17	

/ Rw /231	n-Gra / U /43	/ RL
/231		
	/43	
		/109
/31	/-	/-
/96	/55	/-
IWFRS		
Req = 1.5	(Trus	s)
?eq = -	•	•
?eq = -		
).		
rces less	than	375#
	//WFRS Req = 1.5 Req = - Req = -	//WFRS Req = 1.5 (Trus Req = - Req = -

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.



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

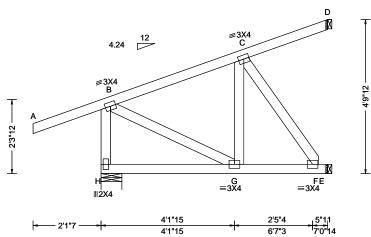
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 88479 / HIP_ Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T46 / FROM: DrwNo: 108.22.1559.06600 Qty: 1 Parnell Truss Label: J05HJ AK / FV 04/18/2022





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	Ι.
Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 SOffit: 0.00 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: NA GCpi: 0.18	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):	PP Deflection in loc L/defl L/# VERT(LL): 0.003 G 999 240 VERT(CL): 0.007 G 999 180 HORZ(LL): 0.002 C HORZ(TL): 0.003 C Creep Factor: 2.0 Max TC CSI: 0.339 Max BC CSI: 0.189 Max Web CSI: 0.085	1
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1216.15	_

▲ M	axim	um Rea	ctions (I	bs)		
	G	avity	-	No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/U	/ RL
н	269	/-	/-	/-	/60	/-
Е	198	/-	/-	/-	/11	/-
D	109	/-	/-	/-	/40	/-
Win	d read	ctions b	ased on I	MWFRS		
Н	Brg V	Vid = 7.	8 Min F	Req = 1.5	(Trus	s)
Е	Brg V	Vid = 1.	5 Min F	Req = -		•
D	Brg V	Vid = 1.	5 Min F	Req = -		
Bea	ring H	l is a ric	id surfac	е.		
	_	-	ed have fo		s than	375#

Lumber

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

Loading

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

Wind

Wind loads and reactions based on MWFRS. Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



Florida Certificate of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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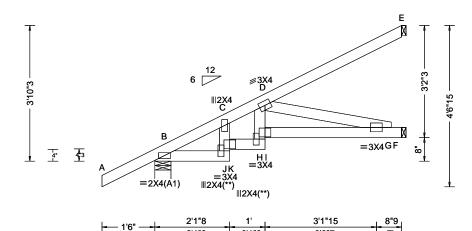
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 61915 / **EJAC** Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T90 / FROM: DrwNo: 108.22.1559.06084 Qty: 5 Parnell Truss Label: J06 AK / FV 04/18/2022





3'1"8

6'3"7

2'1"8

1				
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	1
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.021 H 999 240	
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.042 H 999 180	П
10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.012 G	H
Dec 1 d · 40 00	EXP: C Kzt: NA		HORZ(TL): 0.024 G	
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	1
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.226	H
l	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.290	H
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.478	H
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		li
	GCpi: 0.18	Plate Type(s):		Ji
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00.1005.17	П

DOLL. 0.00	D: 1 O 1	Lu. 101 00. 101	V = 1 (0 =). 0.0 1 = 11 000 100
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.012 G
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.25 Spacing: 24.0 "	EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 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): 0.024 G Creep Factor: 2.0 Max TC CSI: 0.226 Max BC CSI: 0.290 Max Web CSI: 0.478
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00.1005.17
Lumber	•	•	•

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U В 400 /-/278 /47 /144 169 /0 /122 /21 /0 110 /68 /56 /-Wind reactions based on MWFRS Brg Wid = 5.5 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#

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

C-D 138 - 413

Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; **Plating Notes**

Top chord: 2x4 SP #2;

(**) 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

Wind loading based on both gable and hip roof types.

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

Chords Tens. Comp. 388 - 294 H-G 519 - 393

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. D-G 405 - 534



Florda & Theate of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

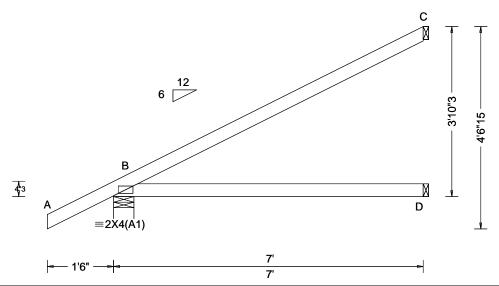
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SEQN: 61918 / **EJAC** Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T76 / FROM: DrwNo: 108.22.1559.06459 Qty: 5 Parnell Truss Label: J07 AK / FV 04/18/2022



Loading	Criteria (psf)	Wind Criteria	Snow Criteria	(Pg,Pf in PSF)	Defl/CSI Criteria	A
TCLL: TCDL: BCLL: BCDL: Des Ld: NCBCLL Soffit:	20.00 10.00 0.00 10.00 40.00 :: 10.00 0.00 ration: 1.25	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60		IA CAT: NA Ce: NA NA NA 20 Res.	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.014 B HORZ(TL): 0.028 B Creep Factor: 2.0 Max TC CSI: 0.717 Max BC CSI: 0.515 Max Web CSI: 0.000	B C W B D C B
Lumbai	•	I .	1			

Maximum Reactions (lbs) Gravity Non-Gravity c R+ /Rh /Rw /U 400 /-/278 /104 129 /-/-/73 /118 188 /59 ind reactions based on MWFRS Brg Wid = 5.5 Min Req = 1.5 (Truss) Brg Wid = 1.5 Min Req = -Brg Wid = 1.5 Min Req = earing B is a rigid surface. embers 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.



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

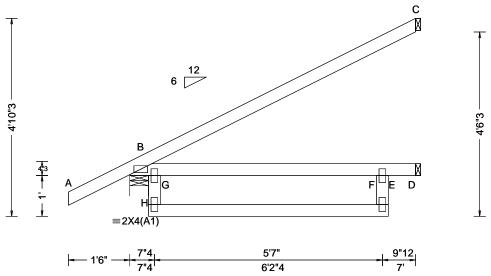
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 61921 / **EJAC** Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T78 / FROM: DrwNo: 108.22.1559.07693 Qty: 3 Parnell Truss Label: J08 AK / FV 04/18/2022



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): 0.022 E 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.044 E 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.011 H
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.022 H
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.667
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.363
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.146
	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: 21.02.00.1005.17

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 400 /278 /104 139 /-/78 /-181 /112 /60 Wind reactions based on MWFRS Brg Wid = 5.5 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#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Wind

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.

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



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

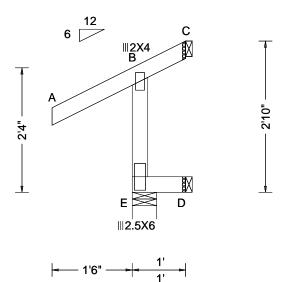
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SEQN: 61923 / JACK Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T26 / FROM: DrwNo: 108.22.1559.06772 Qty: 4 Parnell Truss Label: J09 AK / FV 04/18/2022



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.
	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.000 B 999 240	<u>L</u>
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 B 999 180	E
	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 B	[
Dec d- 40.00	EXP: C Kzt: NA		HORZ(TL): 0.000 B	(
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	١
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.250	5
l	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.010	2
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.133	}
	Loc. from endwall: Any	FT/RT:20(0)/10(0)		ľ
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00.1005.17	١

A N	/laxim	um Rea	ctions (I	bs)		
	G	avity		No	on-Gra	vity
Lo	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E	205	/-	/-	/188	/76	/-
D	20	/-	/-	/10	/-	/-
С	-	/-39	/-	/49	/62	/38
Wi	nd read	ctions b	ased on I	IWFRS		
Е	Brg V	Vid = 5.	5 Min F	Req = 1.5	(Trus	s)
D	Brg V	Vid = 1.	5 Min I	Req = -		
С	Brg V	Vid = 1.	5 Min f	Req = -		
Bearing E is a rigid surface.						
Members not listed have forces less than 375#						
Ma	ximun	n Web I	Forces P	er Ply (lb	s)	
We	ebs -	Tens.Co	mp.	- 1	•	
	Loc E D C Wi E D C Bei Me	E 205 D 20 C - Wind read E Brg V D Brg V C Brg V Bearing E Members Maximum	Caravity	Gravity Loc R+ /R- /Rh E 205 /- /- D 20 /- /- C - /-39 /- Wind reactions based on M E Brg Wid = 5.5 Min R D Brg Wid = 1.5 Min R C Brg Wid = 1.5 Min Bearing E is a rigid surface Members not listed have for	Loc R+ / R- / Rh / Rw E 205 /- /- /188 D 20 /- /- /10 C - /-39 /- /49 Wind reactions based on MWFRS E Brg Wid = 5.5 Min Req = 1.5 Min Req = 1.5 D Brg Wid = 1.5 Min Req = - - C Brg Wid = 1.5 Min Req = - - C Brg Wid = 1.5 In Req = - -<	Searing

446 - 195

B - E

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.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



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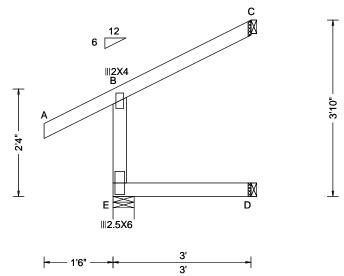
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SEQN: 61925 / JACK Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T25 / FROM: DrwNo: 108.22.1559.07256 Qty: 2 Parnell Truss Label: J10 AK / FV 04/18/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maxi
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 0.00 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 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): 0.000 B 999 240 VERT(CL): 0.001 B 999 180 HORZ(LL): -0.000 B HORZ(TL): 0.000 B Creep Factor: 2.0 Max TC CSI: 0.183 Max BC CSI: 0.098 Max Web CSI: 0.092 VIEW Ver: 21.02.00.1005.17	Loc R- E 240 D 60 C 70 Wind re E Brg D Brg C Brg Bearing Membe

4	▲ Maximum Reactions (lbs)						
		G	ravity		No	on-Gra	vity
o L	_oc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
0 E	=	240	/-	/-	/202	/77	/-
)	60	/-	/-	/30	/-	/-
	2	70	/-	/-	/38	/13	/73
١	۷in	d read	ctions b	ased on I	MWFRS		
E	Ξ	Brg V	Vid = 5.	5 Min f	Req = 1.5	(Trus	s)
[)	Brg V	Vid = 1.	5 Min F	Req = -	-	
)	Brg V	Vid = 1.	5 Min I	Req = -		
E	Зеа	ıring E	is a rig	id surface	e		
N	Иeг	nbers	not liste	ed have fo	orces les	s than	375#

Lumber

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

Wind

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



Florida Cerifficate of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

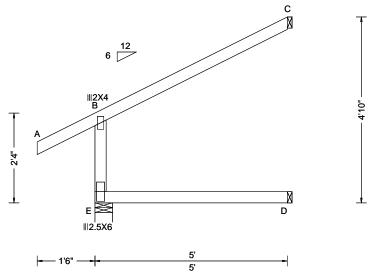
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SEQN: 88476 / **EJAC** Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T91 / FROM: DrwNo: 108.22.1559.05742 Qty: 1 Parnell Truss Label: J11 AK / FV 04/18/2022



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): 0.000 B 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 B 999 180
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: 0.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.428
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.298
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.108
-	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
	•	•	•

		ictions (ii	▲ Maximum Reactions (lbs)						
G	ravity	-	No	on-Gra	vity				
R+	/ R-	/ Rh	/ Rw	/ U	/ RL				
313	/-	/-	/252	/97	/-				
100	/-	/-	/50	/-	/-				
142	/-	/-	/56	/23	/109				
d read	tions b	ased on N	/WFRS						
Brg V	Vid = 5.	5 Min F	Req = 1.5	(Trus	s)				
Brg V	Vid = 1.	5 Min F	. = eq	•	•				
Brg V	Vid = 1.	5 Min F	?eq = -						
Bearing E is a rigid surface.									
nbers	not list	ed have fo	rces les	s than	375#				
	313 100 142 d read Brg V Brg V Brg V	Brg Wid = 5. Brg Wid = 1. Brg Wid = 1. ring E is a rig	313 /- /- 100 /- /- 142 /- /- d reactions based on M Brg Wid = 5.5 Min F Brg Wid = 1.5 Min F Brg Wid = 1.5 Min F	313 /- /- /252 100 /- /- /50 142 /- /- /56 d reactions based on MWFRS Brg Wid = 5.5 Min Req = 1.5 Brg Wid = 1.5 Min Req = - ring E is a rigid surface.	313 /- /- /252 /97 100 /- /- /50 /- 142 /- /- /56 /23 d reactions based on MWFRS Brg Wid = 5.5 Min Req = 1.5 (Trus Brg Wid = 1.5 Min Req = - Brg Wid = 1.5 Min Req = -				

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.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



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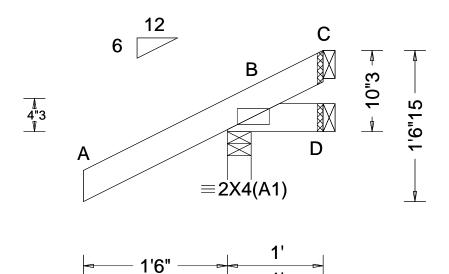
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SEQN: 61957 / JACK Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T95 / FROM: DrwNo: 108.22.1559.06397 Qty: 1 Parnell Truss Label: J12 AK / FV 04/18/2022



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): 0.000 B
NCBCLL: 10.00	Mean Height: 16.22 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.184
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.022
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
'	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: 21.02.00.1005.17
Lumber			

	G	avity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
	234		/-	/197	/71	/38
D	6	/-15		/16	/16	/-
С	-	/-44	/-	/33	/47	/-
Win	d read	ctions b	ased on N	/WFRS		
В	Brg V	Vid = 3.	0 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#						

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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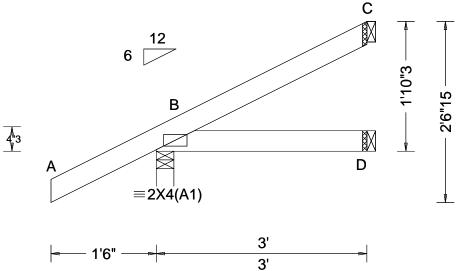
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SEQN: 61959 / JACK Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T17 / FROM: DrwNo: 108.22.1559.06147 Qty: 1 Parnell Truss Label: J13 AK / FV 04/18/2022



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: 16.72 ft		HORZ(TL): 0.001 B
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.168
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.067
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
	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: 21.02.00.1005.17
Lumber			

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 251 /-/189 /73 D 50 /-/27 65 /36 /35 Wind reactions based on MWFRS Brg Wid = 3.0 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.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

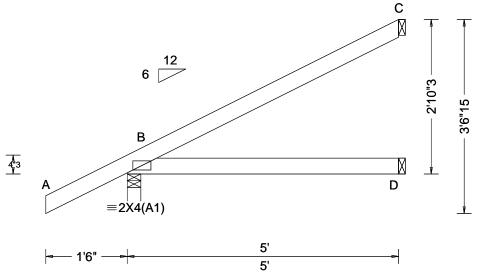
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 61961 / **EJAC** Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T86 / FROM: DrwNo: 108.22.1559.06882 Qty: 1 Parnell Truss Label: J14 AK / FV 04/18/2022



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 B
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 17.22 ft		HORZ(TL): 0.009 B
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.328
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.238
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
	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: 21.02.00.1005.17
Lumber			

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 322 /230 /43 /109 D 90 /-/49 129 /79 /65 Wind reactions based on MWFRS Brg Wid = 3.0 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.



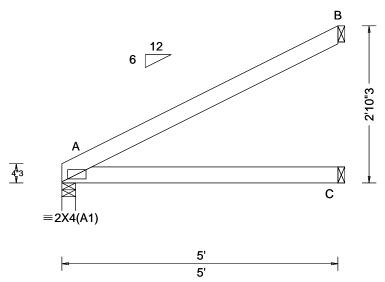
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SEQN: 61963 / **EJAC** Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T93 / FROM: DrwNo: 108.22.1559.07460 Qty: 2 Parnell Truss Label: J15 AK / FV 04/18/2022



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): 0.006 A
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.013 A
NCBCLL: 10.00	Mean Height: 17.60 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.363
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.253
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
' '	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: 21.02.00.1005.17
Lumban			

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 211 /-/132 /88 93 /-/55 138 /87 /68 Wind reactions based on MWFRS Brg Wid = 3.0 Min Req = 1.5 (Truss) Brg Wid = 1.5 Brg Wid = 1.5 Min Req = -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;

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.



Florda & Theate of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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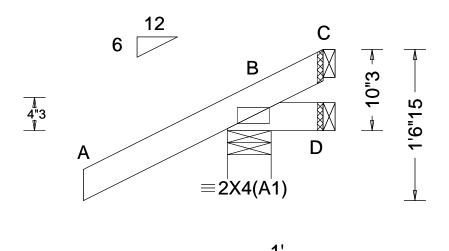
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



SEQN: 88526 / JACK Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T33 / FROM: DrwNo: 108.22.1559.05554 Qty: 1 Parnell Truss Label: J16 AK / FV 04/18/2022



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 Soffit: 0.00 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: 0.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 B HORZ(TL): 0.001 B Creep Factor: 2.0 Max TC CSI: 0.184 Max BC CSI: 0.023 Max Web CSI: 0.000			
Lumber						

- 1'6" -

	G	avity		No	on-Gra	vity							
Loc	: R+	/ R-	/ Rh	/ Rw	/ U	/ RL							
В	240	/-	/-	/202	/73	/34							
D	6	/-16	/-	/16	/16	/-							
С	-	/-48	/-	/35	/51	/-							
Wind reactions based on MWFRS													
В	Brg V	Vid = 5.	5 Min F	Req = 1.5	(Trus	s)							
D	Brg V	Vid = 1.	5 Min F	Req = -	•	-							
С	Brg V	Vid = 1.	5 Min F	?eq = -									
Bea	aring B	is a rig	id surface).									
Me	mbers	not liste	ed have fo	orces les	s than	375#							

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

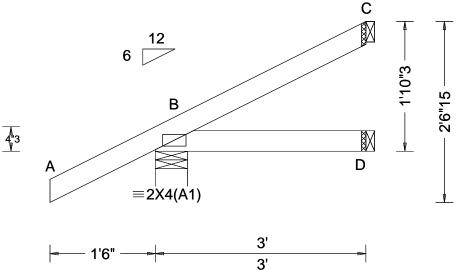
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SEQN: 61969 / JACK Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T9 / FROM: DrwNo: 108.22.1559.06804 Qty: 1 Parnell Truss Label: J17 AK / FV 04/18/2022



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: 16.72 ft		HORZ(TL): 0.001 B			
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0			
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.168			
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.066			
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000			
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: 21.02.00.1005.17			
Lumber						

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 253 /190 /53 D 50 /-/26 63 /35 /23 Wind reactions based on MWFRS Brg Wid = 5.5 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.



Flor 24/16/2012 ate of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

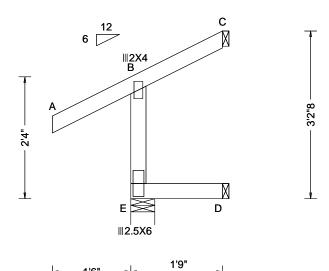
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 61937 / **EJAC** Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T69 / FROM: DrwNo: 108.22.1559.07398 Qty: 1 Parnell Truss Label: J18 AK / FV 04/18/2022



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 B 999 240			
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 B 999 180			
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 B			
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.000 B			
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0			
Soffit: 0.00	TCDL: 5.0 psf BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.168			
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.030			
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.092			
-	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: 21.02.00.1005.17			
			•			

E 206 /- /- /181 /62 /- D 35 /- /- /17 /- /- C 14 /- /- /39 /33 /38 Wind reactions based on MWFRS E Brg Wid = 5.5 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = -	▲ Maximum Reactions (lbs)												
E 206 /- /- /181 /62 /- D 35 /- /- /17 /- /- C 14 /- /- /39 /33 /38 Wind reactions based on MWFRS E Brg Wid = 5.5 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = -		G	ravity		No	on-Gra	vity						
D 35 /- /- /- /17 /- /- C 14 /- /- /- /39 /33 /38 Wind reactions based on MWFRS E Brg Wid = 5.5 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = -	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL						
C 14 /- /- /- /39 /33 /38 Wind reactions based on MWFRS E Brg Wid = 5.5 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = -	Е	206	/-	/-	/181	/62	/-						
Wind reactions based on MWFRS E Brg Wid = 5.5 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = -	D			/-	/17	/-	/-						
E Brg Wid = 5.5 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = -	С	14	/-	/-	/39	/33	/38						
D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = -													
C Brg Wid = 1.5 Min Req = -	Е	Brg V	Vid = 5	.5 Min F	Req = 1.5	(Trus	s)						
	D	Brg V	Vid = 1	.5 Min F	. = eq	•	•						
Bearing E is a rigid surface.													
	Bearing E is a rigid surface.												
Members not listed have forces less than 375#	Men	nbers	not list	ed have fo	rces les	s than	375#						

Lumber

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

Wind

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



Flor 24/16/2012 ate of Product Approval #FL 1999

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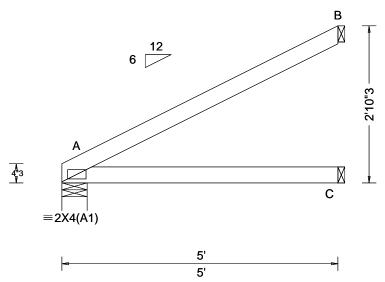
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SEQN: 62045 / **EJAC** Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T50 / FROM: DrwNo: 108.22.1559.07818 Qty: 1 Parnell Truss Label: J19 AK / FV 04/18/2022



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): 0.006 A			
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.012 A			
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0			
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.361			
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.251			
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000			
' '	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: 21.02.00.1005.17			
Lumban						

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 212 /133 /87 93 /-/55 137 /88 /68 Wind reactions based on MWFRS Brg Wid = 5.5 Min Req = 1.5 (Truss) Brg Wid = 1.5 Brg Wid = 1.5 Min Req = -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;

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.



Flor 24/16/2012 ate of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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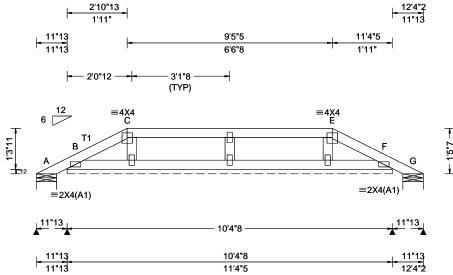
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SEQN: 62386 / SPEC Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T36 / FROM: DrwNo: 108.22.1559.07163 Qty: 1 Truss Label: PB01 AK / FV 04/18/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	1.				
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#					
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.000 B 999 240	١.				
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 B 999 180	١.				
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 F					
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.000 F	ŀ				
NCBCLL: 10.00	Mean Height: 15.52 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	ľ				
Soffit: 0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.144	ŀ				
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.030	I.				
Spacing: 24.0 "	C&C Dist a: 3.57 ft	Rep Fac: Yes	Max Web CSI: 0.057					
' "	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: 21.02.00.1005.17					
				-				

▲ M	▲ Maximum Reactions (lbs), or *=PLF												
	G	avity		No	on-Gra	vity							
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL							
Α	13	/-	/-	/24	/13	/36							
В*	72	/-	/-	/47	/9	/-							
G	19	/-	/-	/16	/3	/-							
Wind reactions based on MWFRS													
Α	Brg V	Vid = 7.	8 Min F	Req = 1.5	(Trus	s)							
В	Brg V	Vid = 12	24 Min F	Req = -		•							
G	Brg V	Vid = 7.	.8 Min F	Req = 1.5	(Trus	s)							
Bea	rings	A, B, &	G are a ri	gid surfa	ce.								
Mer	nbers	not list	ed have fo	rces les	s than	375#							
1													

Lumber

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

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.

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 A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

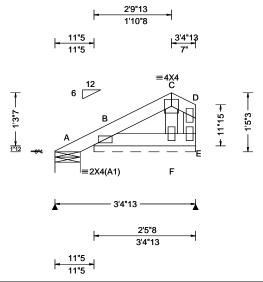
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 62514 / SPEC Ply: 1 Job Number: 22-7310 Cust: R 215 JRef: 1XeT2150011 T88 / FROM: Qty: 1 DrwNo: 108.22.1559.05929 Parnell Truss Label: PB02 SSB / FV 04/18/2022



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 B 999 240
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 B 999 180
	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 B
Dec 1 4: 40 00	EXP: C Kzt: NA		HORZ(TL): 0.000 B
NCBCLL: 10.00	Mean Height: 20.73 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	BCDL: 2.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.028
l	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.017
1	C&C Dist a: 3.50 ft	Rep Fac: Yes	Max Web CSI: 0.011
'	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: 21.02.00.1005.17
T			

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /Rw /U /RL Α /19 /33 В* 77 /-/56 /-Wind reactions based on MWFRS Brg Wid = 7.3 Min Req = 1.5 (Truss) Brg Wid = 29.5 Min Req = -Bearings A & 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;

Plating Notes

All plates are 2X4 except as noted.

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

Refer to DWG PB160160118 for piggyback details.



Flor 124 Ce 2022 atte of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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Gable Stud Reinforcement Detail

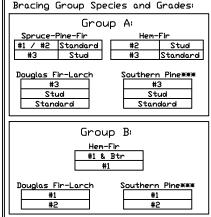
ASCE 7-16: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

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

		2x4 · Vertica	Brace	No.	(1) 1×4 "L	" Brace *	(1) 2×4 "L	" Brace *	(2) 2×4 *L	" Brace **	(1) 2×6 *L	" Brace *	(2) 2x6 L	Brace **
_	Spacing	Species	Grade		Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B
†		CDL	#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 1	SPF	#3	4′ 1″	6′ 7 ″	7′ 1″	8′ 6 ″	8′ 10 ″	10′ 1″	10′ 6 ″	13′ 4″	13′ 10″	14′ 0″	14′ 0″
2	O _. O	HF	Stud	4′ 1″	6′ 7 ″	7′ 0″	8′ 6 ″	8′ 10 ″	10′ 1″	10′ 6 ″	13′ 4″	13′ 10 ″	14′ 0″	14′ 0 ″
>	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″
ا به ا			#1	4′ 6″	7′ 4″	7′ 8″	8′ 8 ″	9′ 0″	10′ 4″	10′ 9 ″	13′ 8″	14′ 0″	14′ 0″	14′ 0″
	*	ISP	#2	4′ 3″	7′ 3″	7′ 7″	8′ 7 ″	8′ 11 ″	10′ 3″	10′ 8 ″	13′ 6 ″	14′ 0″	14′ 0″	14′ 0″
	4	l	#3	4′ 2″	6′ 0″	6′ 4″	7′ 11″	8′ 6 ″	10′ 2″	10′ 7″	12′ 5 ″	13′ 4″	14′ 0″	14′ 0″
	N	IDFLI	Stud	4′ 2″	6′ 0″	6′ 4″	7′ 11″	8′ 6″	10′ 2″	10′ 7″	12′ 5 ″	13′ 4″	14′ 0″	14′ 0″
d			Standard	4′ 0″	5′ 3 ″	5′ 7 ″	7′ 0 ″	7′ 6 ″	9′ 6″	10′ 2″	11′ 0″	11′ 10″	14′ 0″	14′ 0″
<u>U</u>			#1 / #2	4′ 11″	8′ 4″	8′ 8 ″	9′ 10″	10′ 3″	11′ 8″	12′ 2 ′	14′ 0″	14′ 0″	14′ 0″	14′ 0″
==	-	SPF	#3	4′ 8″	8′ 1 ″	8′ 8 ″	9′ 8″	10′ 1″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	Ų	HF	Stud	4′ 8″	8′ 1 ″	8′ 6 ″	9′ 8″	10′ 1″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
l à	Ō	1 11	Standard	4′ 8″	6′ 11 ″	7′ 5″	9′ 3 ″	9′ 11″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
1 ~			#1	5′ 1 ″	8′ 5 ″	8′ 9 ″	9′ 11″	10′ 4″	11′ 10″	12′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
>	*	ISP	#2	4′ 11″	8′ 4″	8′ 8 ″	9′ 10″	10′ 3″	11′ 8 ″	12′ 2 ″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	è,	l	#3	4′ 9″	7′ 4″	7′ 9″	9′ 9″	10′ 2″	11′ 8″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
ا س ا	16	IDFLI	Stud	4′ 9″	7′ 4″	7′ 9″	9′ 9″	10′ 2 ″	11′ 8″	12′ 1″	14′ 0″	14′ 0″	14' 0"	14′ 0″
			Standard	4′ 8″	6′ 5 ″	6′ 10 ″	8′ 7 ″	9′ 2 ″	11′ 7″	12′ 1″	13′ 6″	14′ 0″	14′ 0″	14′ 0″
Gabl		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″
O	. .	12LL	#3	5′ 1 ″	9′ 0″	9′ 4″	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
9	Ų	HF	Stud	5′ 1 ″	9′ 0″	9′ 4″	10′ 8″	11′ 1″	12′ 9 ′	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	Ö	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″
1 2	*	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	ù		#3	5′ 3″	8′ 5 ″	9′ 0″	10′ 9″	11′ 2″	12′ 10 ″	13′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
_	10	IDFLI	Stud	5′ 3″	8′ 5 ″	9′ 0″	10′ 9 ″	11′ 2″	12′ 10 ″	13′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
			Standard	5′ 1 ″	7′ 5″	7′ 11 ″	9′ 11 ″	10′ 7″	12′ 9″	13′ 3″	14′ 0 ″	14′ 0″	14′ 0″	14′ 0″
								C						



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.

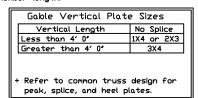
Gable Truss Detail Notes: Wind Load deflection criterion is L/240.

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.

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

VARNINGI READ AND FOLLOW ALL NOTES ON THIS DRAVINGI
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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.iccsafe.org

COA #0 278 04/18/2022

ASCE7-16-GAB14015 |DATE 01/26/2018

MAX, TOT, LD, 60 PSF

Florida Certificate of Product A MAXal SPAIODNG 24.0"

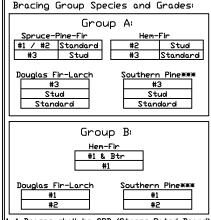
Gable Stud Reinforcement Detail

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

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

0r:	120	mph	Wind	Speed,	30′	Mean	Height,	Enclosed	l, Exposur	e D, Kzt =	= 1.00	
0r:	100	mph	wind	speed,	30'	Mean	Height,	Partially	Enclosed,	Exposure	D, Kzt =	1.00

		2x4 Vertica	Brace	No	(1) 1×4 *L	Brace *	(1) 2×4 "L	." Brace *	(2) 2×4 *L	Brace **	(1) 2×6 *L	" Brace *	(2) 2×6 L	Brace **	•
_		Species	Grade	_	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	
 		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″	Н
	1.7	SPF	#3	3′ 10″	6′ 2″	6′ 7 ″	8′ 1″	8′ 5 ″	9′ 8″	10′ 0″	12′ 8″	13′ 2″	14′ 0″	14′ 0″	
Ď	Ų	HF	Stud	3′ 10″	6′ 2″	6′ 6 ″	8′ 1″	8′ 5 ″	9′ 8″	10′ 0″	12′ 8 ″	13′ 2″	14′ 0″	14′ 0″	
<u> </u>			Standard	3′ 10″	5′ 3″	5′ 7 ″	7′ 0″	7′ 6″	9′ 6″	10′ 0″	11′ 0″	11′ 10″	14′ 0″	14′ 0″	
ןן שי			#1	4′ 2″	7′ 0 ″	7′ 3″	8′ 3″	8′ 7″	9′ 10″	10′ 3″	13′ 0″	13′ 6″	14′ 0″	14′ 0″	
\square	*	ISPI	#2	4′ 1″	6′ 11″	7′ 2″	8′ 2″	8′ 6″	9′ 9″	10′ 2″	12′ 10″	13′ 4″	14′ 0″	14′ 0″	
	4		#3	4′ 0″	5′ 7 ″	5′ 11 ″	7′ 5″	7′ 11″	9′ 8″	10′ 1″	11′ 7″	12′ 5 ″	14′ 0″	14′ 0″	
	N	IDFLI	Stud	4′ 0″	5′ 7 ″	5′ 11 ″	7′ 5″	7′ 11″	9′ 8″	10′ 1″	11′ 7″	12′ 5 ″	14′ 0″	14′ 0″	
<u> </u>	,		Standard	3′ 9″	4′ 11″	5′ 13 ″	6′ 6″	7′ 0 ″	8′ 10 ″	9′ 6″	10′ 3″	11′ 0″	13′ 11″	14′ 0″	
\cup			#1 / #2	4′ 8″	7′ 11″	8′ 3 ″	9′ 4″	9′ 9″	11′ 2″	11′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
;;	-	SPF	#3	4′ 5 ″	7′ 6″	8′ 3 ″	9′ 3″	9′ 7″	11′ 0″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
	Ų	HF	Stud	4′ 5 ″	7′ 6″	8′ 0 ″	9′ 3″	9′ 7″	11′ 0″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
\frac{1}{2}	ō		Standard	4′ 5 ″	6′ 5 ″	6′ 10 ″	8′ 7 ″	9′ 2″	11′ 0″	11′ 6″	13′ 6″	14′ 0″	14′ 0″	14′ 0″	
$\mathbb{H}^{\mathbb{Q}}$			#1	4′ 10″	8′ 0 ″	8′ 4 ″	9′ 6″	9′ 10″	11′ 3″	11′ 9″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
>	*	ISPI	#2	4′ 8″	7′ 11″	8′ 3 ″	9′ 4″	9′ 9″	11′ 2″	11′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
	9		#3	4′ 7″	6′ 10 ″	7′ 3″	9′ 1″	9′ 8″	11′ 1″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
IJω	16	IDFLI	Stud	4′ 7″	6′ 10 ″	7′ 3″	9′ 1″	9′ 8″	11′ 1″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
	, .		Standard	4′ 5 ″	6′ 0 ″	6′ 5 ″	8′ 0 ″	8′ 7″	10′ 10″	11′ 6″	12′ 7 ″	13′ 15″	14′ 0″	14′ 0″	
Q			#1 / #2	5′ 2 ″	8′ 9″	9′ 1″	10′ 4″	10′ 9″	11′ 2″	12′ 9″	14′ 0″	14′ 0″	14′ 0″	14′ 0″] [
[] []	-	SPF	#3	4′ 10″	8′ 7″	8′ 11 ″	10′ 2″	10′ 7″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″]
טון	Ų	HF	Stud	4′ 10″	8′ 7 ″	8′ 11 ″	10′ 2″	10′ 7″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
	ō		Standard	4′ 10″	7′ 5 ″	7′ 11″	9′ 11″	10′ 7″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
$ \times $			#1	5′ 4 ″	8′ 10 ″	9′ 2″	10′ 5″	10′ 10″	12′ 5 ″	12′ 11″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
ĉ	*	ISPI	#2	5′ 2 ″	8′ 9″	9′ 1″	10′ 4″	10′ 9″	12′ 3″	12′ 9″	14′ 0″	14′ 0″	14′ 0″	14′ 0″]
	ù		#3	5′ 0 ″	7′ 10″	8′ 4″	10′ 3″	10′ 8″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
_	10	IDFL!	Stud	5′ 0 ″	7′ 10 ″	8′ 4″	10′ 3″	10′ 8″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
			Standard	4′ 10″	6′ 11″	7′ 4″	9′ 3″	9′ 10″	12′ 2″	12′ 8 ″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	



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 nalls 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.

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 total length is 14'. 2x6 DF-L #2 or better diagonal brace; single Vertical length shown or double cut in table above. (as shown) at upper end. Connect diagonal at midpoint of vertical web.

Symm C "L" Brace End Zones, typ. Continuous Bearing

Refer to chart shove for max gable ventical length.

VARNING READ AND FOLLOW ALL NOTES ON THIS DRAVING *****IMPORTANT*** FURNISH THIS DRAVING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, shaping, installing and installing in the installing installing installing installing in the installing install

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COA #0.278 04/18/2022

MAX, TOT, LD, 60 PSF

Florida Certificate of Product Approval #FL 1999 24.0"

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

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

CLR Reinforcing Member Substitution

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

Notes:

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

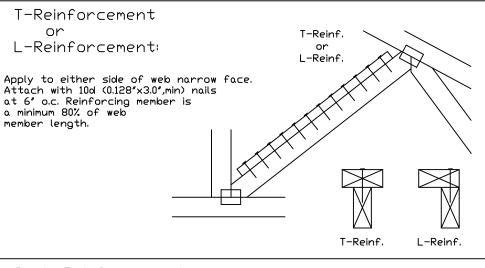
Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type.

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

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

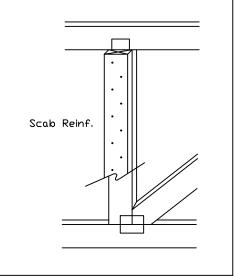
T-reinforcement, L-reinforcement, or scab reinforcement to be same species and grade or better than web member unless specified otherwise on Engineer's sealed design.

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



Scab Reinforcement:

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



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∓€ LL	PSF
TC DL	PSF
BC DL	PSF
BC LL	PSF
TOT. LD.	PSF

DUR. FAC.

CLR Subst. DATE 01/02/19 DRWG BRCLBSUB0119

Camber may be built into trusses to compensate for the vertical deflection that results from the application of loads. Providing camber has the following advantages:

- Helps to ensure level ceilings and floors after dead loads are applied.
- Facilitates drainage to avoid ponding on flat or low slope roofs.
- Compensates for different deflection characteristics between adjacent trusses.
- Improves appearance of garage door headers and other long spans that can appear to "sag."
- Avoids "dips" in roof ridgelines at the transition from the gable to adjacent clear span trusses.

In accordance with ANSI/TPI 1 the Building Designer, through the Construction Documents, shall provide the location, direction, and magnitude of all loads attributable to ponding that may occur due to the design of the roof drainage system. The Building Designer shall also specify any dead load, live load, and in-service creep deflection criteria for flat or low-slope roofs subject to ponding loads.

The amount of camber is dependent on the truss type, span, loading, application, etceteras.

More restrictive limits for allowable deflection and slenderness ratio (L/D) may be required to help control vibration.

The following tables are provided as guidelines for limiting deflection and estimating camber. Conditions or codes may exist that require exceeding these recommendations, or past experience may warrant using more stringent limitations.

Commentary: Deflection and Camber

L = Span of Truss (inches)

D = Depth of Truss at Deflection Point (inches)

Recommended Truss Deflection Limits

<u>Truss Type</u>	<u>L/D</u>	<u>Deflection</u>	<u>Limits</u>
		<u>Live Load</u>	<u>Total Load</u>
Pitched Roof Trusses	24	L/240 (vertical)	L/180 (vertical)
Floor of Room-In-Attic Trusses	24	L/360 (vertical)	L/240 (vertical)
Flat or Shallow Pitched Roof Trusses	24	L/360 (vertical)	L/240 (vertical)
Residential Floor Trusses	24	L/360 (vertical)	L/240 (vertical)
Commercial Floor Trusses	20	L/480 (vertical)	L/240 (vertical)
Scissors Trusses	24	0.75" (horizontal)	1.25" (horizontal)

Truss T	<u>vpe</u>	Recommended	Camber

Pitched Trusses 1.00 x Deflection from Actual Dead Load

Sloping Parallel 1.5 x Vertical Deflection from

Chord Trusses Actual Dead Load

Floor Trusses (0.25 x Deflection from Live Load) +

Actual Dead Load

Flat Roof Trusses $(0.25 \times Deflection from Live Load) +$

(1.5 x Design Dead Load Deflection)

Note: The actual dead load may be considerably less than

the design dead load.

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DATE 10/01/14 DRWG DEFLCAMB1014

DEFLEC/CAMB

IREF

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

Florida Certificate of Product Approval #FL 1999

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

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

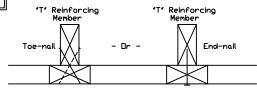
ASCE 7-10 & ASCE 7-16 Gable Detail Drawings

A11515ENC100118, A12015ENC100118, A14015ENC100118, A16015ENC100118, A18015ENC100118, A20015ENC100118, A20015END100118, A20015PED100118, A11530ENC100118, A12030ENC100118, A14030ENC100118, A16030ENC100118, A18030ENC100118, A20030ENC100118, A20030END100118, A20030PED100118, \$11515ENC100118, \$12015ENC100118, \$14015ENC100118, \$16015ENC100118,

\$18015ENC100118, \$20015ENC100118, \$20015END100118, \$20015FED100118, \$11530ENC100118, \$12030ENC100118, \$14030ENC10018, \$4030ENC100118 \$18030ENC100118, \$20030ENC100118, \$20030EN3100118, \$20030PED100118

See appropriate Alpine gable detail for maximum inventorces gable ver

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

IREF

DATE

LET-IN VERT

01/02/2018 DRWG GBLLETIN0118

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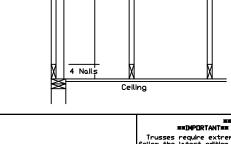
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COA #0.278 04/18/2022

DUR. FAC. ANY

MAX, TOT, LD, 60 PSF

Florida Certificate of Product Approxal \$514 1999 24.0"



Rigid Sheathing

4 Nails

Nails

Spaced At

Reinforcing

Member

Gable

Truss

155 Harlem Ave

North Building, 4th Floor

Glenview, IL 60025

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

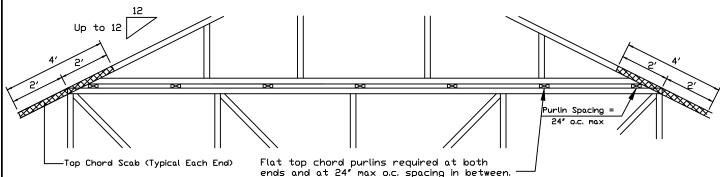
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0. Dr 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

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.

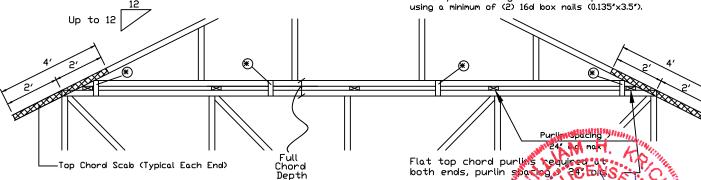
Attach purlin bracing to the flat top chord using (2) 16d box nails (0.135"x3.5").

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



both ends, purlin spacing 24 tolks

Note: If purlins or sheathing are not specified on the flat top of the sage 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.

majurini review - Univision - Inis Braymin til all Cuntracticks Including the Installers of Trusses require extreme care in fabricating, handling, shipping, installing and bracing, Refer to and follow the latest edition of BCSI (Bulding Component Safety Information, by TPI and SBCA) for screety 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 bot on choice shall have a properly attached rigid celling. Locations shown for permanent lateral restraint of weights shall have bracing installed per BCSI sections B3, B7 or BIO, as applicable. Apply plates to each fact of truss and position as shown above and on the Joint Details, unless noted otherwise.

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

DRWG PB160160118

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Glenview, IL 60025