



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

FL REG# 278, Yoonhwak Kim, FL PE #86367 Florida Certificate of Product Approval #FL 1999 06/07/2022



Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 22-7841
Job Description: Lot 14 JL - Rainbolt Res	
Address: Lake City, FL	

Job Engineering Criteria:				
Design Code: FBC 7th Ed. 2020 Res.	IntelliVIEW Version: 21.02.01			
	JRef #: 1XG62150001			
Wind Standard: ASCE 7-16 Wind Speed (mph): 130	Design Loading (psf): 40.00, 55.00			
Building Type: Closed				

This package contains general notes pages, 80 truss drawing(s) and 5 detail(s).

Item	Drawing Number	Truss
1	157.22.1557.25557	A01
3	157.22.1557.46300	A03
5	157.22.1558.12340	B01
7	157.22.1558.21937	B03
9	157.22.1559.12247	C01
11	157.22.1559.19580	C03
13	157.22.1600.37583	D01
15	157.22.1601.01060	D03
17	157.22.1601.33747	F01
19	157.22.1601.40473	F03
21	157.22.1601.47320	F05
23	157.22.1602.26187	F07
25	157.22.1603.35120	F09
27	157.22.1604.20167	F11
29	157.22.1605.08727	G02
31	157.22.1605.29403	G04
33	157.22.1605.35880	G06
35	157.22.1606.20290	HJ01
37	157.22.1607.52390	HJ03
39	157.22.1608.08757	HJ05
41	157.22.1608.14897	HJ07
43	157.22.1608.26597	HJ09
45	157.22.1608.51373	J04
47	157.22.1609.03763	J06
49	157.22.1609.19443	J09

Item	Drawing Number	Truss
2	157.22.1557.29297	A02
4	157.22.1557.51333	A04
6	157.22.1558.20010	B02
8	157.22.1558.52927	B04
10	157.22.1559.16193	C02
12	157.22.1559.58540	C04
14	157.22.1600.58250	D02
16	157.22.1601.29363	D04
18	157.22.1601.36867	F02
20	157.22.1601.43913	F04
22	157.22.1601.50513	F06
24	157.22.1603.19430	F08
26	157.22.1604.13197	F10
28	157.22.1604.52800	G01
30	157.22.1605.11030	G03
32	157.22.1605.33940	G05
34	157.22.1606.06883	G07
36	157.22.1607.23533	HJ02
38	157.22.1608.01227	HJ04
40	157.22.1608.10727	HJ06
42	157.22.1608.23057	HJ08
44	157.22.1608.45847	J02
46	157.22.1608.57137	J05
48	157.22.1609.16253	J08
50	157.22.1609.22900	J10





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Site Information:	Page 2:	
Customer: W. B. Howland Company, Inc.	Job Number: 22-7841	
Job Description: Lot 14 JL - Rainbolt Res		
Address: Lake City, FL		

Item	Drawing Number	Truss
51	157.22.1609.30410	J11
53	157.22.1609.40157	J13
55	157.22.1609.46653	J15
57	157.22.1609.52570	J17
59	157.22.1610.22560	J20
61	157.22.1610.33127	J22
63	157.22.1610.55317	J24
65	157.22.1611.02033	J26
67	157.22.1611.09440	J28
69	157.22.1611.18060	J30
71	157.22.1611.29757	J32
73	157.22.1611.34853	J34
75	157.22.1611.43333	J36
77	157.22.1611.50130	J38
79	157.22.1611.55660	J40
81	A14015ENC160118	
83	STRBRIBR1014	
85	LSCSYX2A1014	

Item	Drawing Number	Truss
52	157.22.1609.33957	J12
54	157.22.1609.43767	J14
56	157.22.1609.49120	J16
58	157.22.1609.55217	J18
60	157.22.1610.25487	J21
62	157.22.1610.35620	J23
64	157.22.1610.58067	J25
66	157.22.1611.04713	J27
68	157.22.1611.11600	J29
70	157.22.1611.20193	J31
72	157.22.1611.32407	J33
74	157.22.1611.40370	J35
76	157.22.1611.46270	J37
78	157.22.1611.52443	J39
80	157.22.1611.59443	J41
82	GBLLETIN0118	
84	CNSY42PL0118	

General Notes

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

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

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

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

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

Temporary Lateral Restraint and Bracing:

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

Permanent Lateral Restraint and Bracing:

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

Connector Plate Information:

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

Fire Retardant Treated Lumber:

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

General Notes (continued)

Key to Terms:

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

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

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

CL = Certified lumber.

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

FRT = Fire Retardant Treated lumber.

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

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

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

g = green lumber.

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

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

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

Ic = Incised lumber.

FJ = Finger Jointed lumber.

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

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

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

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

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

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

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

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

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

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

PP = Panel Point.

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

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

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

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

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

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

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

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

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

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

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

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

Refer to ASCE-7 for Wind and Seismic abbreviations.

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

References:

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

SEQN: 661074 HIPS Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T57 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1557.25557 Truss Label: A01 GA / YK 06/06/2022 3' 10 3' 4' 3' =4X6 =4X4 D | 1'0<u>"</u>14 В Ε 3"14 **|||2X4 ≡3X**4 \equiv 3X4(A1) \equiv 3X4(A1) 10' 10' - 1'6" - 1'6" --- 10

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	١,
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.046 G 999 240	<u> </u>
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.090 G 999 180	h
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.011 E	ı
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.022 E	١
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	!
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.377	1
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.525	١;
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.048	l¦
-	Loc. from endwall: Any	FT/RT:20(0)/10(0)		1:
	GCpi: 0.18	Plate Type(s):		₫:
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12	!
Lumber				- (
Top chord: 2x4 SP #2	· ,			ı

▲ Maximum Reactions (lbs)								
Gravity				N	Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
1	641	/-	/-	/-	/135	/-		
Е	641	/-	/-	/-	/135	/-		
Win	d read	ctions ba	ased on	MWFRS				
1	Brg V	Vid = 4.0) Mir	Req = 1	Req = 1.5 (Truss) Req = 1.5 (Truss)			
Е	Brg V	Vid = 4.0) Mir	Req = 1				
Bea	rings	I & E are	e a rigio	surface.				
Men	nbers	not liste	d have	forces les	ss than 3	375#		
Max	imun	Top C	hord F	orces Pe	r Ply (lb	s)		
Cho	rds 1	Tens.Co	mp.	Chords	Tens.	Comp.		
В-(С	239 - 1	1446	D-E	244	- 1442		
C - I	D	213 - 1	1419					

Maximum Bot Chord Forces Per Ply (lbs)

Chords

G - E

Tens. Comp.

- 230

1383

Chords Tens.Comp.

H - G

1387 - 226

1404 - 218

Webs: 2x4 SP #3;

Bot chord: 2x4 SP #2;

Special Loads --(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 61 plf at -1.50 to 3.00 to 61 plf at 30 plf at 3.00 7.00 30 plf at 61 plf at TC: From 7.00 to 61 plf at 11.50 -1.50 to BC: From 4 plf at 4 plf at 0.00 BC: From 20 plf at 0.00 to 20 plf at 3.03 BC: From BC: From 10 plf at 3.03 to 6.97 to 10 plf at 6.97 20 plf at 20 plf at 10.00 4 plf at BC: From 10.00 to 11.50 4 plf at 111 lb Conc. Load at 3.03, 6.97

TC: 59 lb Conc. Load at 5.00 BC: BC: 58 lb Conc. Load at 3.03, 6.97 46 lb Conc. Load at 5.00

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

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 1-0-14.



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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.



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

SEQN: 660990 COMN Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T56 FROM: CDM Lot 14 JL - Rainbolt Res DrwNo: 157.22.1557.29297 Qty: 1 Truss Label: A02 GA / YK 06/06/2022 5' 10' 5' 5' =3X4 C **→** 1'6"14 → D R 3"14 =2X4(A1) \equiv 2X4(A1) 10' 10' – 1'6" –- - 1'6" -10' Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) Gravity Non-Gravity Wind Std: ASCE 7-16 Pg: NA PP Deflection in loc L/defl L/# Ct: NA CAT: NA TCLL: 20.00 Speed: 130 mph Loc R+ /R /Rh /Rw /U /RL TCDL: 10.00 Pf: NA Ce: NA VERT(LL): 0.024 D 999 240 Enclosure: Closed Cs: NA VERT(CL): 0.062 D 999 180 BCI I · 0.00 Lu: NA F 500 /262 /102 /24 Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.006 B D 500 /262 /102 EXP: C Kzt: NA Wind reactions based on MWFRS HORZ(TL): 0.017 B Des Ld: 40.00 Mean Height: 15.00 ft Brg Wid = 4.0Min Reg = 1.5 (Truss) NCBCLL: 10.00 **Building Code:** Creep Factor: 2.0 TCDL: 5.0 psf Brg Wid = 4.0 Min Req = 1.5 (Truss) FBC 7th Ed. 2020 Res. Max TC CSI: 0.366 Soffit: 2.00 BCDL: 5.0 psf Bearings F & D are a rigid surface. TPI Std: 2014 Max BC CSI: 0.578 Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 Members not listed have forces less than 375# Rep Fac: Yes Max Web CSI: 0.000 Spacing: 24.0 " C&C Dist a: 3.00 ft Maximum Top Chord Forces Per Ply (lbs) FT/RT:20(0)/10(0) Loc. from endwall: not in 4.50 ft Chords Tens.Comp. Chords Tens. Comp. Plate Type(s): GCpi: 0.18

Lumber

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

Wind loads based on MWFRS with additional C&C

Wind Duration: 1.60

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 1-6-14.

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

C-D

551

551 - 727

689 - 451

B - C



VIEW Ver: 21.02.01.1214.12

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

SEQN: 660532 COMN Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T50 FROM: CDM Lot 14 JL - Rainbolt Res DrwNo: 157.22.1557.46300 Qty: 1 Truss Label: A03 GA / YK 06/06/2022 5' 10' 5' 5' =3X4 C **→** 1'6"14 → D R 3"14 =2X4(A1) \equiv 2X4(A1) 10' 10' – 1'6" –- - 1'6" -10' Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) Gravity Non-Gravity Wind Std: ASCE 7-16 Pg: NA PP Deflection in loc L/defl L/# Ct: NA CAT: NA TCLL: 20.00 Loc R+ /R /Rh /Rw /U /RL Speed: 130 mph TCDL: 10.00 Pf: NA Ce: NA VERT(LL): 0.024 D 999 240 Enclosure: Closed Cs: NA VERT(CL): 0.062 D 999 180 BCI I · 0.00 Lu: NA F 500 /262 /102 /24 Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.006 B D 500 /262 /102 EXP: C Kzt: NA Wind reactions based on MWFRS HORZ(TL): 0.017 B Des Ld: 40.00 Mean Height: 15.00 ft Brg Wid = 4.0 Min Reg = 1.5 (Truss) **Building Code:** Creep Factor: 2.0 NCBCLL: 10.00 TCDL: 5.0 psf Brg Wid = 4.0 Min Req = 1.5 (Truss) FBC 7th Ed. 2020 Res. Max TC CSI: 0.366 Soffit: 2.00 BCDL: 5.0 psf Bearings F & D are a rigid surface. TPI Std: 2014 Max BC CSI: 0.578 Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 Members not listed have forces less than 375# Rep Fac: Yes Max Web CSI: 0.000 Spacing: 24.0 " C&C Dist a: 3.00 ft Maximum Top Chord Forces Per Ply (lbs) FT/RT:20(0)/10(0) Loc. from endwall: not in 4.50 ft Chords Tens.Comp. Chords Tens. Comp. Plate Type(s): GCpi: 0.18

Lumber

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

Wind loads based on MWFRS with additional C&C

Wind Duration: 1.60

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 1-6-14.

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

C-D

551

551 - 727

689 - 451

B - C



VIEW Ver: 21.02.01.1214.12

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

<u>WA</u>VE

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155 Harlem Ave

SEQN: 660534 GABL Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T48 FROM: CDM DrwNo: 157.22.1557.51333 Qty: 1 Lot 14 JL - Rainbolt Res Truss Label: A04 GA / YK 06/06/2022 1'2" 1'11"2 1'2" 9"2 8'0"13 3'0"13 3'0"14 ≡4X4 D SC₁ **≢3X4** C ≥3X4 SC2 3"14 \equiv 2.5X6(C5) =2.5X6(C5) **|||2X4** 9'4" 10' - 1'6" -- 1'6" --- 10'

Londing Critoria (c. c	Min d Critoria	Snow Critoria (D. DC: DC)	Defl/CCI Criteria	Т
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): 0.044 B 999 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.086 B 655 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.015 B	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.029 B	
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.245	
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.304	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.057	
' '	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12	
Lumber				_

▲ Maximum Reactions (lbs), or *=PLF					
G	ravity		No	on-Grav	∕ity
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B 290		/-	/165	/94	/24
B* 51	/-	/-	/31	/4	/-
l 263	/-	/-	/141	/110	/-
Wind read	ctions b	ased on N	/WFRS		
B Brg V	Vid = 4.	.0 Min F	Req = 1.5	(Trus	s)
B Brg V	Vid = 1	12 Min F	Req = -	•	•
I Brg V	Vid = 4.	.0 Min F	Req = 1.5	(Trus	s)
Bearings	B, B, &	I are a rig	id surfac	e.	-
Members	not list	ed have fo	rces les	s than 3	375#

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

Plating Notes

All plates are 2X4(C5) except as noted.

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

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

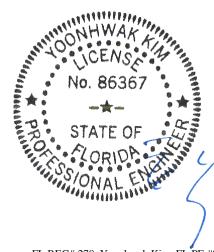
Wind loading based on both gable and hip roof types.

Additional Notes

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

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

The overall height of this truss excluding overhang is



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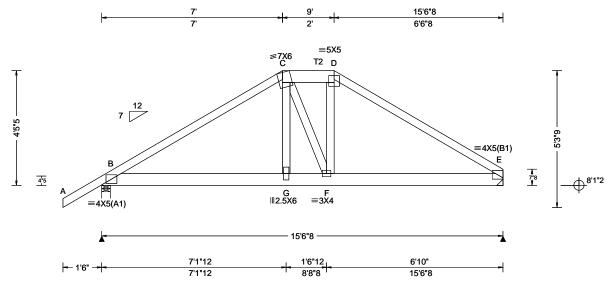
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 661076 HIPS Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T73 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1558.12340 Truss Label: B01 GA / YK 06/06/2022



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): 0.052 G 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.104 G 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.021 E
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.042 E
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.662
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: Varies by Ld Case	Max Web CSI: 0.246
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12
Lumber			

	▲ Max	imuı	n Rea	ctions	(lbs)				
		Gr	avity			No	on-Gra	vity	
,	Loc R	<u> </u>	/ R-	/ Rh	/	Rw	/ U	/ RL	
,	B 16	05	/-	/-	/-		/318	/-	
	E 15	31	/-	/-	/-		/286	/-	
	Wind r	eact	ions b	ased or	MWF	RS			
	B Br	g W	id = 4	.0 Mir	Req =	= 1.9	(Trus	s)	
	E Br	ġΨ	id = -	Mir	n Reg =	= -	•	•	
	Bearing	gΒi	s a rig	jid surfa	ice.				
	Membe	ers n	ot list	ed have	forces	les	s than :	375#	
	Maxim	um	Top (hord F	orces	Per	Ply (lb	s)	
	Chords	s Te	ens.Co	omp.	Chor	ds	Tens.	Ćomp.	
_	в-с		497 -	2501	D-E		484	- 2424	
	C-D		382 -	2043					

Top chord: 2x4 SP #2; T2 2x6 SP #2; Bot chord: 2x6 SP #2; Webs: 2x4 SP #3;

Special Loads

(Lumber	Dur.Fac.=1.	25 / Plate D	Our.Fac.=1.2	25)
TC: From	63 plf at	-1.50 to	63 plf at	7.00
TC: From	32 plf at	7.00 to	32 plf at	9.00
TC: From	63 plf at	9.00 to	63 plf at	15.54
BC: From	5 plf at	-1.50 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	7.03
BC: From	10 plf at	7.03 to	10 plf at	8.97
BC: From	20 plf at	8.97 to	20 plf at	15.54
TC: 442 lb	Conc. Load	at 7.03	•	
TC: 417 lb	Conc. Load	at 8.97		
BC: 504 lb	Conc. Load	at 7.03		
BC: 461 lb	Conc Load	at 8.97		

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.

Additional Notes

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



Choras	rens.com	p. Choras	rens. v	Jomp.
B - G	2080 - 3	97 F-E	2003	- 385
G-F	2103 - 3	96		

Maximum Web Forces Per Ply (lbs)

Nebs	Tens.Co	mp.	Webs	Tens. Co	omp.
C - G	645	0	F-D	554	0



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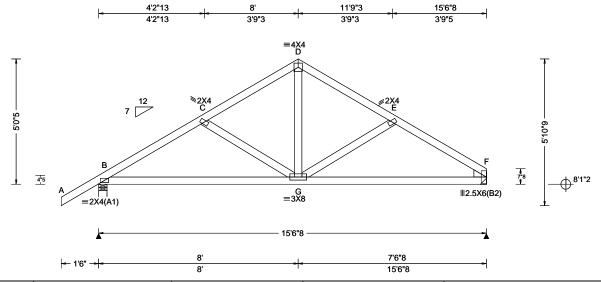
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SEQN: 660579 SPEC Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T4 FROM: CDM Qty: 4 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1558.20010 Truss Label: B02 GA / YK 06/06/2022



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.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.022 G 999 240	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.045 G 999 180	le
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.012 F	F
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.024 F	V
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	E
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.231	F
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.552	E
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.165	ľ
' "	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		"
	GCpi: 0.18	Plate Type(s):] -
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12	E
Lumbor	1		•	٠ (

▲ Maximum Reactions (lbs)					
Gravity			N	on-Grav	rity
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B 760	/-	/-	/464	/133	/143
F 634	/-	/-	/364	/102	/-
Wind rea	actions b	ased on	MWFRS		
B Brg	Wid = 4.	.0 Min	Req = 1.5	5 (Truss	s)
F Brg	Wid = -	Min	Req = -		
Bearing	B is a rig	jid surfa	ce.		
Member	s not list	ed have	forces les	s than 3	75#
Maximu	m Top C	hord F	orces Per	Ply (lbs	s)
Chords	Tens.Co	omp.	Chords	Tens.	Ćomp.
в-с	237	- 920	D-E	193	- 692
C-D	192	- 694	E-F	239	- 903

Lumber

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

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

Wind loading based on both gable and hip roof types.

Additional Notes

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

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - G 743 - 151 G-F 721 - 155

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

D - G 434 -72



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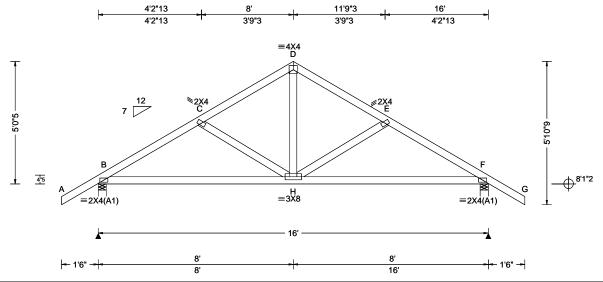
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SEQN: 660581 COMN Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T79 FROM: CDM Qty: 3 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1558.21937 Truss Label: B03 GA / YK 06/06/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.020 H 999 240 VERT(CL): 0.041 H 999 180 HORZ(LL): 0.009 F HORZ(TL): 0.018 F Creep Factor: 2.0 Max TC CSI: 0.193 Max BC CSI: 0.567 Max Web CSI: 0.174	E F V E F E N
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12] [
Lumbor				_

▲ Max	▲ Maximum Reactions (lbs)						
	Gravity			Non-Gravity			
Loc F	R+ /R-	/ Rh	/Rw	/U	/ RL		
B 76	7 /-	/-	/470	/134	/164		
F 76	7 /-	/-	/470		/-		
Wind	eactions	based on	MWFRS				
в в	rg Wid =	4.0 Min	Req = 1.5	5 (Truss	s)		
F B	rg Wid =	4.0 Min	Req = 1.5	5 (Truss	s)		
Bearin	gs B & F	are a rigid	d surface.	•	•		
Memb	ers not lis	sted have	forces les	s than 3	375#		
Maxin	Maximum Top Chord Forces Per Ply (lbs)						
Chord	s Tens.	Comp.	Chords	Tens.	Ćomp.		
B-C	423	- 936	D-E	348	- 710		
C-D	348	- 710	Ē-F	422	- 936		

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is

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

756 - 223 756 - 234

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

D-H 457 - 144

FL REG# 278, Yoonhwak Kim, FL PE #86367 Flor On Conficate of Product Approval #FL 1999

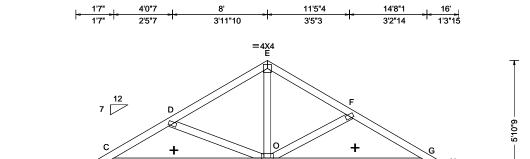
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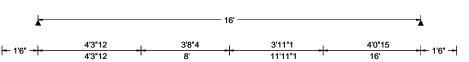
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025 SEQN: 661094 SPEC Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T46 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1558.52927 Truss Label: B04 GA / YK 06/06/2022





L ∥6X8 ≡5X5

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16		PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.029 M 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.100 M 999 180
BCDL: 10.00	Risk Category: II EXP: C Kzt: NA	Snow Duration: NA	HORZ(LL): -0.009 H
Des Ld: 40.00			HORZ(TL): 0.016 C
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.217
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.472
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.166
-	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12

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) 63 plf at 32 plf at 63 plf at TC: From -1.50 to 1.05 to 63 plf at 32 plf at 14 96 TC: From 63 plf at 14.96 to 17.50 5 plf at -1.50 to 5 plf at BC: From 0.00 BC: From 10 plf at 0.00 to 10 plf at BC: From 5 plf at 16.00 to 5 plf at TC: -16 lb Conc. Load at 1.05,14.96 TC: -22 lb Conc. Load at 3.09, 5.09, 7.09, 8.91 17.50 10.91,12.91 BC: 8 lb Conc. Load at 1.05,14.96 BC: 5 I 10.91,12.91 5 lb Conc. Load at 3.09, 5.09, 7.09, 8.91

4"5

Plating Notes

All plates are 2X4 except as noted.

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.

Additional Notes

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

+ MEMBER TO BE LATERALLY BRACED by framing JACKS IN FRONT @ 24"oc.

▲ Maximum Reactions (lbs)

	A WANI	iiuiii nec	10110113 (ivə <i>j</i>			
		Gravity		No	on-Grav	ity	
)	Loc R	- / R-	/ Rh	/ Rw	/ U	/ RL	
)	B 542	/-	/-	/-	/382	/-	
		/-	/-	/-	/389	/-	
	Wind re	actions b	ased on	MWFRS			
	B Brg	Wid = 4	.0 Min	Req = 1.5	(Truss	s)	
	H Brg	Wid = 4	.0 Min	Req = 1.5	ī (Truss	;)	
	Bearing	sB&Ha	are a rigio	l surface.			
				orces less		-	
				rces Per			
	Chords	Tens.Co	omp.	Chords	Tens.	Comp.	
	B-C	546	- 720	E-F	351	- 535	
	C-D	498	- 644	F-G	469	-617	

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	Comp.	Chords	Tens. (Comp.
B - M	613	- 439	L-K	613	- 439
M - L	613	- 439	K - H	613	- 439

547

- 722

Maximum Web Forces Per Plv (lbs)

Webs	Tens.Comp.			
F 0	405	400		

350 - 539

D-E



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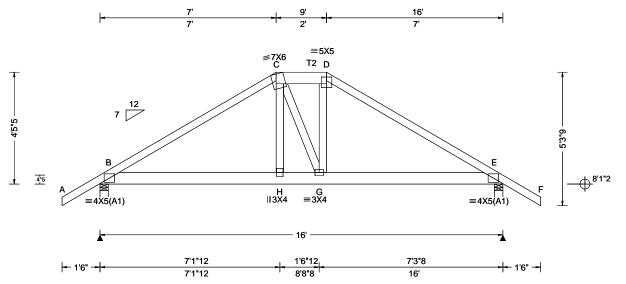
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SEQN: 661070 HIPS Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T5 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1559.12247 Truss Label: C01 GA / YK 06/06/2022



BCDL: 10.00 Des Ld: Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf Snow Duration: NA HORZ(LL): 0.018 E HORZ(TL): 0.035 E - HORZ(TL): 0.035 E HORZ(TL): 0.035 E HORZ(TL): 0.035 E - HORZ(TL): 0.035	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	.
	TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 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: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s):	VERT(LL): 0.052 H 999 240 VERT(CL): 0.105 H 999 180 HORZ(LL): 0.018 E HORZ(TL): 0.035 E Creep Factor: 2.0 Max TC CSI: 0.688 Max BC CSI: 0.549 Max Web CSI: 0.224	

▲ Maxir	num Rea	ctions (lbs)		
	Gravity		No	n-Gra	vity
Loc R	- / R-	/ Rh	/ Rw	/ U	/ RL
B 167	2 /-	/-	/-	/328	/-
E 167	2 /-	/-	/-	/327	/-
Wind re	actions b	ased on	MWFRS		
B Brg	Wid = 4	.0 Min	Req = 2.0	(Trus	s)
E Brg	Wid = 4	.0 Min	Req = 2.0) (Trus:	s)
Bearing	sB&Ea	re a rigid	l surface.	•	•
Membe	rs not list	ed have f	orces less	than 3	375#
Maximu	ım Top (hord Fo	rces Per	Ply (lb	s)
Chords	Tens.Co	omp.	Chords	Tens.	Ćomp.
B-C	516 -	2632	D-E	517	- 2632
C-D	411 -			J.,	

Top chord: 2x4 SP #2; T2 2x6 SP #2; Bot chord: 2x6 SP #2; Webs: 2x4 SP #3;

Special Loads

(Lumber	Dur.Fac.=1.	25 / Plate D	Our.Fac.=1.2	25)
TC: From	63 plf at	-1.50 to	63 plf at	7.00
TC: From	32 plf at	7.00 to	32 plf at	9.00
TC: From	63 plf at	9.00 to	63 plf at	17.50
BC: From	5 plf at	-1.50 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	7.03
BC: From	10 plf at	7.03 to	10 plf at	8.97
BC: From	20 plf at	8.97 to	20 plf at	16.00
BC: From	5 plf at	16.00 to	5 plf at	17.50
TC: 442 lb	Conc. Load	at 7.03, 8.	97 [.]	
BC: 504 lb	Conc. Load	at 7.03.8.	97	

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

Wind

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

Additional Notes

The overall height of this truss excluding overhang is



Onlords	rens.comp.	Onlords	i ciio. C	Joinp.	
	2193 - 414	G-E	2194	- 414	

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Co	mp.	Webs	Tens. Co	mp.
C - H	539	0	G - D	588	0



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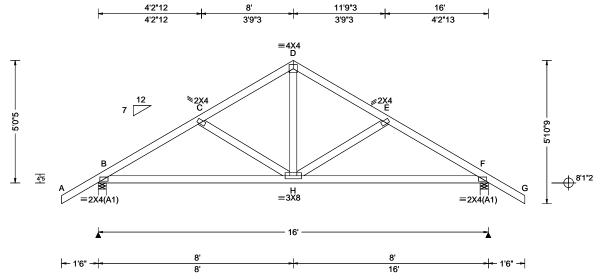
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 660473 SPEC Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T2 FROM: CDM Qty: 3 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1559.16193 Truss Label: C02 GA / YK 06/06/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	4
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 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): 0.020 H 999 240 VERT(CL): 0.041 H 999 180 HORZ(LL): 0.009 F HORZ(TL): 0.018 F Creep Factor: 2.0 Max TC CSI: 0.180 Max BC CSI: 0.567 Max Web CSI: 0.174	
Lumber	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12	ن ل

▲ Maxir	num Rea	ctions (lbs)		
	Gravity		No	on-Grav	/ity
Loc R+	- /R-	/ Rh	/ Rw	/ U	/ RL
B 767	/-	/-	/470	/134	/164
F 767	/-	/-	/470	/134	/-
Wind re	actions b	ased on	MWFRS		
B Brg	Wid = 4	.0 Min	Req = 1.5	(Truss	s)
F Brg	Wid = 4	.0 Min	Req = 1.5	(Truss	s)
Bearing	sB&Fa	re a rigid	surface.	•	•
Member	rs not liste	ed have f	orces less	s than 3	375#
Maximu	ım Top C	Chord Fo	rces Per	Ply (lb:	s)
Chords	Tens.Co	omp.	Chords	Tens.	Ćomp.
B-C	224	- 935	D-E	180	-710
C-Ď	181	- 710	E-F	223	- 936

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is

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

756 756 - 96

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

D-H 457 - 61



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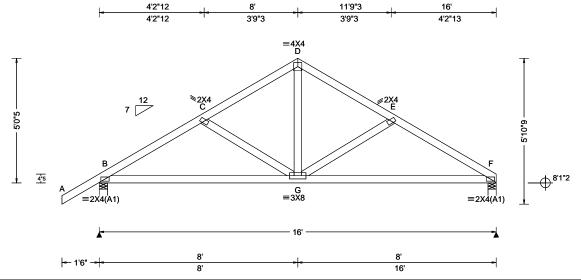
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 660471 SPEC Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T3 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1559.19580 Truss Label: C03 GA / YK 06/06/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	١,
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.020 G 999 240	<u> </u>
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.040 G 999 180	ı
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.009 F	ı
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.019 F	١
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	E
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.182	Ľ
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.576	5
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.177	Ľ
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		ŀ
	GCpi: 0.18	Plate Type(s):		1:
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12	5
Lumber				٠,

	▲ Maximum Reactions (lbs)						
		Gravity		N	on-Gra	vity	
	Loc R	+ /R-	/ Rh	/ Rw	/ U	/ RL	
	В 773	3 /-	/-	/470	/14	/148	
	F 659	9 /-	/-	/382	/6	/-	
	Wind re	eactions b	oased on	MWFRS			
	B Br	g Wid = 4	.0 Min	Req = 1.	5 (Trus	s)	
	F Br	g Wid = 4	.0 Min	Req = 1.	5 (Trus	s)	
	Bearing	sB&Fa	are a rigi	d surface.	•	•	
	Membe	rs not list	ted have	forces les	s than	375#	
	Maxim	um Top (Chord F	orces Per	Ply (lk	os)	
	Chords	Tens.C	omp.	Chords	Tens.	Ćomp.	
_	в-с	234	- 948	D-E	192	- 725	
	C-D	191	- 722	E-F	240	-	

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

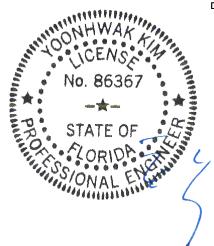
The overall height of this truss excluding overhang is

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

B - G 766 - 139 G-F 786 - 149

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

D - G 464 - 76



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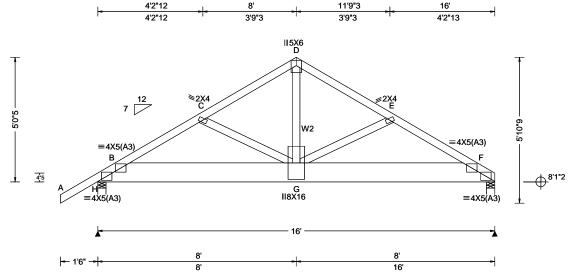
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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

155 Harlem Ave North Building, 4th Floor Glenview, IL 60025 SEQN: 661078 SPEC Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T26 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1559.58540 Truss Label: C04 GA / YK 06/06/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Ţ,
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.108 G 999 240 VERT(CL): 0.213 G 885 180	1
BCDL: 0.00 BCDL: 10.00 Des Ld: 40.00	Risk Category: II EXP: C Kzt: NA	Snow Duration: NA	HORZ(LL): 0.025 C HORZ(TL): 0.050 C	
NCBCLL: 10.00 Soffit: 2.00	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	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0)	Creep Factor: 2.0 Max TC CSI: 0.689 Max BC CSI: 0.624 Max Web CSI: 0.435	
Lumbar	GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): WAVE	VIEW Ver: 21.02.01.1214.12	

▲ Ma	ximu	m Reac	tions (lb	s)		
	G	ravity		No	n-Grav	/ity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
н з	036	/-	/-	/-	/642	/-
F 3	740	/-	/-	/-	/714	/-
Wind	reac	tions bas	sed on M	IWFRS		
н в	3rg W	/id = 4.0	Min R	eq = 2.5	(Truss	s)
F	3rg W	/id = 4.0	Min R	eq = 3.1	(Truss	s)
Bear	ings l	1 & F are	a rigid	surface.	-	
Mem	bers	not listed	l have fo	rces less	than 3	375#
Maxi	mum	Top Ch	ord For	ces Per	Ply (lb	s)
Chor	ds T	ens.Con	np. C	Chords	Tens.	Ćomp.
B - C		1057 - 50	147 Г) - E	978	- 4838
C-D		978 - 48		- F	1061	- 5085

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x10 SP 2400f-2.0E; Webs: 2x4 SP #3; W2 2x4 SP M-31;

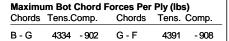
Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 63 plf at 5 plf at 20 plf at 63 plf at 5 plf at 20 plf at TC: From -1.50 to 16.00 BC: From 0.00 BC: From 0.00 to 6.06 10 plf at 6.06 to BC: From 10 plf at 16.00 BC: 1995 lb Conc. Load at 6.06 BC: BC: 828 lb Conc. Load at 8.06 874 lb Conc. Load at 10.06,12.06,13.93

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

Additional Notes

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



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

D - G 4569 - 870



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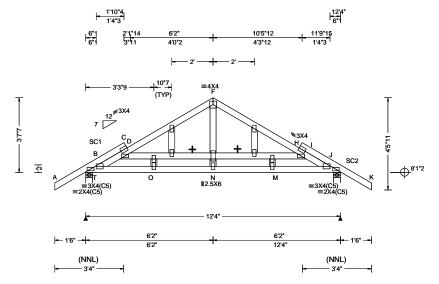
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SEQN: 661096 GABL Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T18 Qty: 1 FROM: CDM Lot 14 JL - Rainbolt Res DrwNo: 157.22.1600.37583 Page 1 of 2 Truss Label: D01 GA / YK 06/06/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): -0.023 Q 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.038 O 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.009 E
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.014 E
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.198
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.298
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.069
-	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 431 /338 /332 /-431 Wind reactions based on MWFRS Brg Wid = 4.0Min Reg = 1.5 (Truss) Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings T & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords 384 - 557

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;

Special Loads

(Lu	mber l	Dur.Fac.=1	.25 / Plate D	or.Fac.=1.2	25)			
TC: Fro	om	63 plf at	-1.50 to	63 plf at	1.05			
TC: Fro	om	32 plf at	1.05 to	32 plf at	11.84			
TC: Fro		63 plf at		63 plf at	13.83			
BC: Fr		5 plf at	-1.50 to	5 plf at	0.00			
BC: Fr			0.00 to	10 plf at	12.33			
BC: Fr			12.33 to	5 plf at	13.83			
TC: -16 lb Conc. Load at 1.05,11.29								
	22 lb (Conc. Load	at 3.09, 5.0)9, 6.17, 7.2	25			
9.25								
BC:			at 1.05,11					
BC:	5 lb (Conc. Load	at 3.09, 5.	09, 6.17, 7.:	25			
9 25								

Plating Notes

All plates are 2X4 except as noted.

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

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

+ MEMBER TO BE LATERALLY BRACED by framing JACKS IN FRONT @ 24"oc.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. (Comp.
B - O O - N		- 450 - 450	N - M M - J		- 450 - 450



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SEQN: 661096 GABL Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T18 FROM: CDM DrwNo: 157.22.1600.37583 Qty: 1 Lot 14 JL - Rainbolt Res Page 2 of 2 Truss Label: D01 GA / YK 06/06/2022

Additional Notes

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

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

The overall height of this truss excluding overhang is



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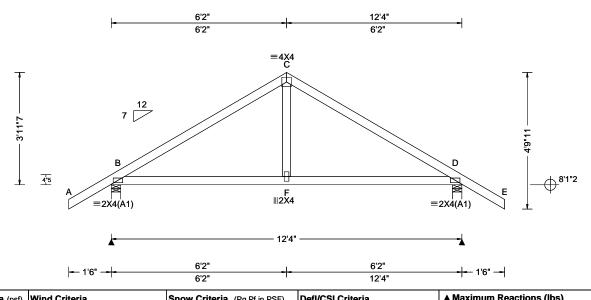
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SEQN: 660435 COMN Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T1 FROM: CDM DrwNo: 157.22.1600.58250 Qty: 1 Lot 14 JL - Rainbolt Res Truss Label: D02 GA / YK 06/06/2022



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/#	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.008 F 999 240	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.015 F 999 180	E
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.004 D	[
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.008 D	٧
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	E
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.350	
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.363	ľ
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.103	ľ
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		C
	GCpi: 0.18	Plate Type(s):		[
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12	E
Lumber		•		•

▲ Maximum Reactions (lbs)								
	G	ravity		N	on-Grav	/ity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
В	614	/-	/-	/384	/108	/137		
D (614	/-	/-	/384	/108	/-		
Wind	d read	tions b	pased or	MWFRS				
В	Brg W	/id = 4	.0 Mir	n Req = 1.5	(Truss	s)		
D	Brg V	/id = 4	.0 Mir	Reg = 1.5	(Truss	s)		
Bear	ings l	3 & D	are a rig	id surface.	-			
Mem	bers	not list	ed have	forces les	s than 3	375#		
Maximum Top Chord Forces Per Ply (lbs)								
				Chords				
В-С	;	189	- 620	C-D	190	- 620		

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 461

Lumber

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

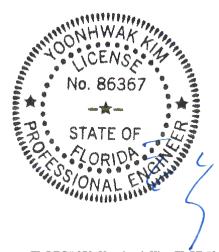
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is



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

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

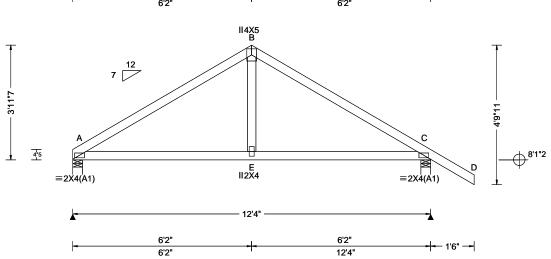
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A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

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

SEQN: 660437 COMN Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T21 FROM: CDM DrwNo: 157.22.1601.01060 Qty: 1 Lot 14 JL - Rainbolt Res Truss Label: D03 GA / YK 06/06/2022 6'2" 12'4" 6'2" 6'2"



BCLL: 0.00 BCDL: 10.00 C	Loading Criter	a (psf) Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	4
Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Cost of the c	TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration:	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.007 A 999 240 VERT(CL): 0.014 A 999 180 HORZ(LL): 0.005 A HORZ(TL): 0.011 A Creep Factor: 2.0 Max TC CSI: 0.382 Max BC CSI: 0.372 Max Web CSI: 0.105	

▲ Maximum Reactions (lbs)									
	Gravity Non-Gravity								
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL			
A 5	05	/-	/-	/295	/80	/120			
C 6	22	/-	/-	/384	/111	/-			
Wind	Wind reactions based on MWFRS								
A E	A Brg Wid = 4.0 Min Req = 1.5 (Truss)								
CE	rg W	id = 4	.0 Mir	Req = 1.	5 (Trus	s)			
Beari	ngs A	4 & C	are a rig	id surface.					
Memb	ers	not lis	ted have	forces les	s than 3	375#			
Maximum Top Chord Forces Per Ply (lbs)									
Chord	ls T	ens.C	omp.	Chords	Tens.	Ćomp.			
A - B		206	- 636	B-C	209	- 640			

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens. Comp.

479

Chords Tens.Comp.

479

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is



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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: 661082 COMN Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T30 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1601.29363 Truss Label: D04 GA / YK 06/06/2022 6'2" 12'4" 6'2" 6'2" ⊕^{8'1"2} 4"5 E ∥4X12 =3X10(B3) 12'4 6'2" 6'2' - 1'6" - - 6'2' 12'4" ▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL

L	oading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
T B B D N S L	CLL: 20.00 CDL: 10.00 CLL: 0.00 CDL: 10.00 es Ld: 40.00 CBCLL: 10.00 offit: 2.00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: 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. TPl 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): 0.054 E 999 240 VERT(CL): 0.107 E 999 180 HORZ(LL): 0.019 A HORZ(TL): 0.038 A Creep Factor: 2.0 Max TC CSI: 0.520 Max BC CSI: 0.800 Max Web CSI: 0.702 VIEW Ver: 21.02.01.1214.12	1 .
L	.umber				

2676 /-/528 /-2045 /-/441 /-Wind reactions based on MWFRS Brg Wid = 4.0Min Reg = 2.2 (Truss) Brg Wid = 4.0 Min Req = 1.7 (Truss) Bearings A & C are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 758 - 3550 A - B B-C 762 - 3576

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 3016 - 631 3016 - 631

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

3108 - 593

Special Loads

(Lumber	Dur.Fac.=1.	25 / Plate D	Our.Fac.=1.2	25)				
TC: From	63 plf at	0.00 to	63 plf at	13.83				
BC: From	20 plf at	0.00 to	20 plf at	2.27				
BC: From	10 plf at	2.27 to	10 plf at	6.27				
BC: From	20 plf at	6.27 to	20 plf at	12.33				
BC: From	5 plf at	12.33 to	5 plf at	13.83				
BC: 826 lb	Conc. Load	at 2.27, 4.	27 ·					
BC: 1981 lb	Conc. Load	at 6.27						

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

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

Additional Notes

The overall height of this truss excluding overhang is



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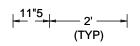
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

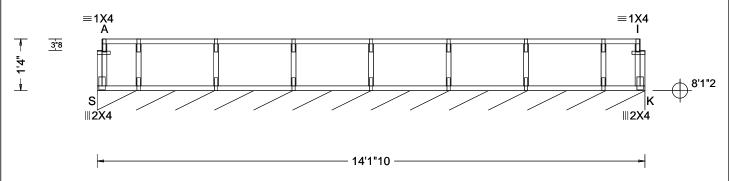


SY42

Ply: 1 Qty: 1 Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: F01

Cust: R 215 JRef: 1XG62150001 T89 DrwNo: 157.22.1601.33747 GA / YK 06/06/2022





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Ma
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Kzt: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA	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): 0.000 C 999 480 VERT(CL): 0.000 C 999 360 HORZ(LL): 0.000 l HORZ(TL): 0.000 l Creep Factor: 2.0 Max TC CSI: 0.179 Max BC CSI: 0.043 Max Web CSI: 0.047	Loc K* 1 K E Beari Meml
	Wind Duration: NA	WAVE	VIEW Ver: 21.02.01.1214.12	
Lumber		·	·	

aximum Reactions (lbs), or *=PLF Gravity Non-Gravity R+ /R /Rw /U /RL 108 /-Brg Wid = 169 Min Req = ring S is a rigid surface. nbers not listed have forces less than 375#

Top chord: 4x2 SP #2; Bot chord: 4x2 SP #2; Webs: 4x2 SP #3;

Bracing

Sheathing is required for any longitudinal(drag) forces. All connections to be designed by the building designer.

Fasten rated sheathing to one face of this frame.

Plating Notes

All plates are 1X4 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up. The overall height of this truss excluding overhang is



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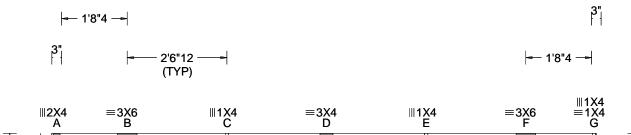
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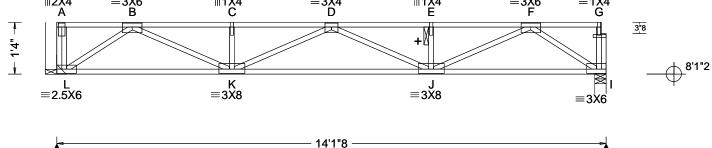
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



SEQN: 660596 SY42 Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T87 FROM: CDM Qty: 6 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1601.36867 Truss Label: F02 GA / YK 06/06/2022





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.151 D 999 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.208 D 788 360
BCDL: 5.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.023 B
Des Ld: 55.00	EXP: NA Kzt: NA		HORZ(TL): 0.032 B
NCBCLL: 10.00	Mean Height: NA ft TCDL: NA psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	BCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.301
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.681
Spacing: 24.0 "	C&C Dist a: NA ft	Rep Fac: Yes	Max Web CSI: 0.488
'	Loc. from endwall: NA	FT/RT:12(0)/10(0)	
	I: NA GCpi: NA	Plate Type(s):	
	Wind Duration: NA	WAVE	VIEW Ver: 21.02.01.1214.12

Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up. The overall height of this truss excluding overhang is

▲ Ma	▲ Maximum Reactions (lbs)								
	(Gravity		N	on-Gra	avity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL			
L	781	/-	/-	/-	/-	/-			
1 1	761	/-	/-	/-	/-	/-			
L	L Brg Wid = - Min Reg = -								
I	I Brg Wid = 3.5 Min Req = 1.5 (Truss)								
Bea	ring l	l is a rigid	d surfac	e.					
Men	nbers	s not liste	ed have	forces les	s than	375#			
Max	imu	m Top C	hord F	orces Per	Ply (II	os)			
Cho	rds	Tens.Co	mp.	Chords	Tens	. Comp.			
B - 0	2	0 -	1873	D-E	() - 1888			
C - I)	0 -	1873	E-F	Ċ	- 1888			

	Tens.Comp.		Chords		
L-K	945	0	J - I	976	0
K - J	2155	0			

Maximum Bot Chord Forces Per Ply (lbs)

Maximum Web Forces Per Ply (lbs)							
Webs	Tens.Comp.		Webs	Tens.	Comp.		
L-B	0 - 11	66	J - F	1008	0		
B - K	1025	0	F-I	0	- 1187		

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Lumber

Top chord: 4x2 SP #2; Bot chord: 4x2 SP #2; Webs: 4x2 SP #3;

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=0' support conditions: 0' uses the following

Bearing L (0', 8'1"2) THA422 Supporting Member: (2)4x2 SP #2

(2) 0.162"x3.5" nails into supporting member.

(4) 0.148"x1.5" nails in flange and

(6) 0.162"x3.5" nails into supported

member.

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

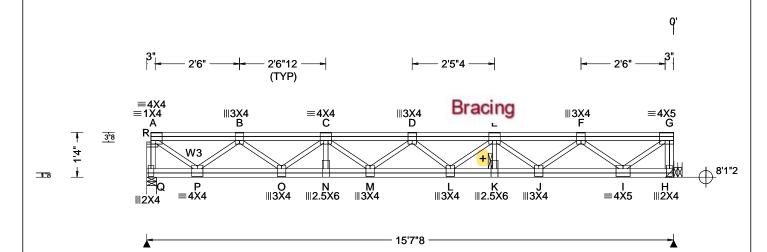
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SEQN: 660658 SY42 Ply: 2 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T86 FROM: CDM DrwNo: 157.22.1601.40473 Qty: 1 Lot 14 JL - Rainbolt Res Truss Label: F03 GA / YK 06/06/2022

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Kzt: NA Mean Height: NA ft TCDL: NA osf	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:12(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.070 D 999 480 VERT(CL): 0.096 D 999 360 HORZ(LL): 0.010 H HORZ(TL): 0.014 H Creep Factor: 2.0 Max TC CSI: 0.109 Max BC CSI: 0.214 Max Web CSI: 0.289 VIEW Ver: 21.02.01.1214.12
Lumbor	·	·	

	▲ Maximum Reactions (lbs)							
		Gravity		No	on-Gra	vity		
0	Loc R-	⊦ /R-	/ Rh	/ Rw	/ U	/ RL		
0	Q 863	· /-	/-	/-	/-	/-	-	
		/- }	/-	/-	/-	/-		
	Q Brg	Wid = 3	.5 Min	Req = 1.5	(Trus	s)		
	H Brg	Wid = -	Min	Req = -	-	•		
	Bearing	Q is a riç	gid surfa	ce.				
	Membe	rs not list	ed have	forces less	s than :	375#		
	Maximu	ım Top (Chord Fo	orces Per	Ply (lb	s)		
	Chords	Tens.Co	omp.	Chords	Tens.	Comp.		
	A - B	0	- 439	D-E	0	- 1436		
	B-C	0 -	1098	E-F	ō			
	C-D	0 -	1429	F-G	0	- 466		

Lumber

Top chord: 4x2 SP #2; Bot chord: 4x2 SP #2; Webs: 4x2 SP #3; W3 4x2 SP #2;

Hangers / Ties

(J) Hanger Support Required, by others

Additional Notes

See DWG CNSY42PL0118 for connection details of 2 ply trusses.

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is 1-4-0.



Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. P - 0 1344

0 O - N 1337 0 K-J 1344 0 N - M 864 1337 0 0 M - L 1501

Maximum Web Forces Per Ply (lbs) Tens Comp Webs

Webs	Tens.C	Comp.	Webs	Tens. (Comp.
R-Q	0	- 425	F-I	0	- 526
A - R	0	- 415	I-G	607	0
A - P	570	0	G-H	0	- 500
P - B	0	- 545			

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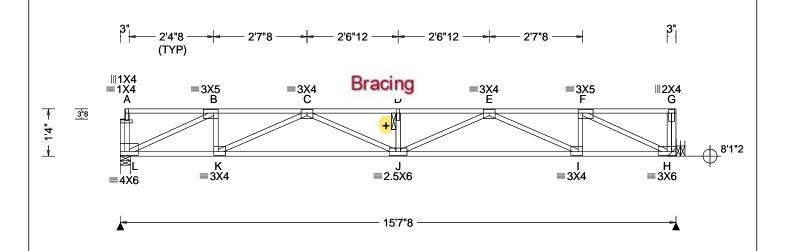
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SEQN: 660686 SY42 Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T81 FROM: CDM Qty: 2 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1601.43913 Truss Label: F04 GA / YK 06/06/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.225 D 808 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.310 D 587 360
BCDL: 5.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.037 H
Des Ld: 55.00	EXP: NA Kzt: NA		HORZ(TL): 0.051 H
NCBCLL: 10.00	Mean Height: NA ft TCDL: NA psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	BCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.412
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.748
Spacing: 24.0 "	C&C Dist a: NA ft	Rep Fac: Yes	Max Web CSI: 0.443
' •	Loc. from endwall: NA	FT/RT:12(0)/10(0)	
	I: NA GCpi: NA	Plate Type(s):	
	Wind Duration: NA	WAVE	VIEW Ver: 21.02.01.1214.12

Lumber

Top chord: 4x2 SP #2; Bot chord: 4x2 SP #2; Webs: 4x2 SP #3;

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=15'4"8 uses the following support conditions: 15'4"8 Bearing H (15'4"8, 8'1"2) HHUS46 Supporting Member: (2)2x6 SP #2

(14) 0.148"x3" nails into supporting member, (6) 0.148"x3" nails into supported

member.

Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up. The overall height of this truss excluding overhang is

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 843 /-/-863 /-/-/-/-Brg Wid = 3.5 Min Req = 1.5 (Truss) Min Req = -Brg Wid = -Bearing L 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. D-E B - C 0 - 1513 0 - 2671 C - D 0 - 2671E - F - 1482

	Chords Tens.Comp.		Chords		omp.
L - K	1467	0	J - I	2339	0
K - J	2354	0	I - H	1435	0

Maximum web Forces Per Ply (IDS)							
Webs Tens.Comp.		Webs	Tens. Comp.				
L-B	0 -	1638	E-I	0	- 951		
B - K	449	0	I-F	456	0		
K - C	0	- 933	F-H	0	- 1613		



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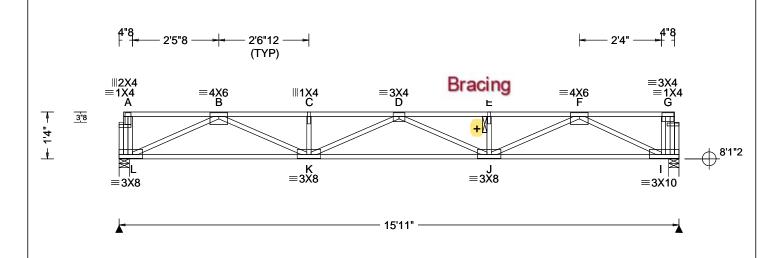
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 660619 SY42 Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T82 FROM: CDM DrwNo: 157.22.1601.47320 Qty: 8 Lot 14 JL - Rainbolt Res Truss Label: F05 GA / YK 06/06/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.234 D 787 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.322 D 572 360
BCDL: 5.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.035 I
Des Ld: 55.00	EXP: NA Kzt: NA		HORZ(TL): 0.048 I
NCBCLL: 10.00	Mean Height: NA ft TCDL: NA psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	BCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.378
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.809
Spacing: 24.0 "	C&C Dist a: NA ft	Rep Fac: Yes	Max Web CSI: 0.485
	Loc. from endwall: NA	FT/RT:12(0)/10(0)	
	I: NA GCpi: NA	Plate Type(s):	
	Wind Duration: NA	WAVE	VIEW Ver: 21.02.01.1214.12

▲ Maximum Reactions (lbs)							
	(3ravity		No	on-Gra	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
L	863	/-	/-	/-	/-	/-	
	863		/-	,	/-	/-	
L	Brg \	Vid = 3.	5 Min	Req = 1.5	(Trus	s)	
				Req = 1.5			
Bea	rings	L&I are	e a rigid	surface.	-		
Men	nbers	not liste	ed have	forces less	s than :	375#	
Max	imur	n Top C	hord Fo	orces Per	Ply (lb	s)	
Cho	rds	Tens.Co	mp.	Chords	Tens.	Comp.	
В-0	2	0 -2	2422	D-E	0	- 2423	
C - I)	-		E-F	Ö	- 2423	
l							

Lumber

Top chord: 4x2 SP #2; Bot chord: 4x2 SP #2; Webs: 4x2 SP #3;

Additional Notes

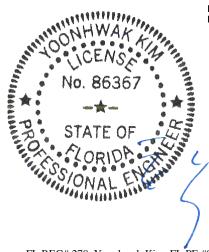
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations

Truss must be installed as shown with top chord up. The overall height of this truss excluding overhang is

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 1505 2699

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

Tens. Comp. L-B 0 - 1661 1019 1013 B - K F - I - 1644 0



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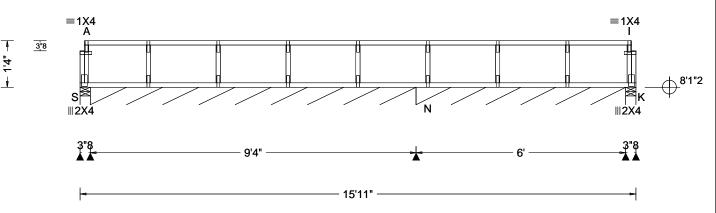
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Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: F06

Cust: R 215 JRef: 1XG62150001 T84 DrwNo: 157.22.1601.50513 GA / YK 06/06/2022





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Kzt: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	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): 0.000 I 999 480 VERT(CL): 0.001 I 999 360 HORZ(LL): 0.000 B HORZ(TL): 0.000 B Creep Factor: 2.0 Max TC CSI: 0.219 Max BC CSI: 0.041 Max Web CSI: 0.048 VIEW Ver: 21.02.01.1214.12
Lumber	Time Baradon. 191	WAVE	VIETT VOI. 21.02.01.1214.12

▲ Maximum Reactions (lbs), or *=PLF							
	G	ravity		No	on-Gra	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
s	84	/-	/-	/-	/-	/-	
S*	96	/-	/-	/-	/-	/-	
N*	111	/-	/-	/-	/-	/-	
K	97	/-	/-	/-	/-	/-	
s s	Brg V	Vid = 3.	5 Min R	eq = 1.5	(Trus	s)	
S	Brg V	Vid = 1	12 Min R	eq = -		•	
N	Brg V	Vid = 72	2.0 Min R	eq = -			
K			5 Min R		(Trus	s)	
Bearings S, S, N, & K are a rigid surface.							
Mer	nbers	not liste	ed have fo	rces les	s than	375#	

Top chord: 4x2 SP #2; Bot chord: 4x2 SP #2; Webs: 4x2 SP #3;

Bracing

Sheathing is required for any longitudinal(drag) forces. All connections to be designed by the building designer.

Fasten rated sheathing to one face of this frame.

Plating Notes

All plates are 1X4 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up. The overall height of this truss excluding overhang is



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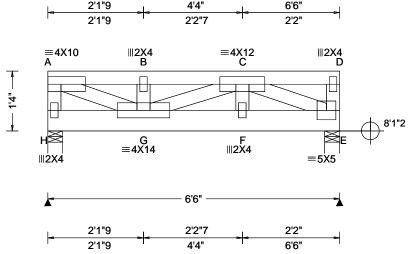
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 661046 FLAT Ply: 2 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T91 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1602.26187 Truss Label: F07 GA / YK 06/06/2022

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	A
BCDL	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Kzt: NA	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.036 B 999 480 VERT(CL): 0.049 B 999 360 HORZ(LL): 0.008 A HORZ(TL): 0.012 A -	
Des Ld: 55.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 24.0 "	Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: 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):	HORZ(TL): 0.012 A Creep Factor: 2.0 Max TC CSI: 0.688 Max BC CSI: 0.690 Max Web CSI: 0.956	B M C
	Wind Duration: NA	WAVE	VIEW Ver: 21.02.01.1214.12	

▲ M	▲ Maximum Reactions (lbs)									
	(Gravity		N	on-Gra	vity				
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL				
Н	2036	S /-	/-	/-	/-	/-				
Е	2887	7 /-	/-	/-	/-	/-				
Н	Brg '	Wid = 4	.0 Mir	Req = 1.	5 (Trus	ss)				
Е	Brg '	Wid = 4	.0 Mir	Req = 1.	7 (Trus	ss)				
Bea	ırings	H & E	are a rigi	id surface.		•				
Mer	nbers	s not list	ed have	forces les	s than	375#				
Max	cimu	m Top (Chord F	orces Per	Ply (II	os)				
Cho	ords	Tens.C	omp.	Chords	Tens.	. Ćomp.				
A - I	В	0 -	1847	B - C	C	- 1847				

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

G-F 2009 F-E 2009

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens. Comp.	
A - H	0	- 919	C - E	0 -216	8
A - G	2007	0	D - E	0 -48	32
B - G	0	- 856			

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x6 SP #2; Webs: 2x4 SP #3;

Nailnote

Nail Schedule:0.131"x3", min. nails Top Chord: 1 Row @ 1.75" o.c. Bot Chord: 1 Row @12.00" o.c. :1 Row @ 4" o.c. Use equal spacing between rows and stagger nails

in each row to avoid splitting.

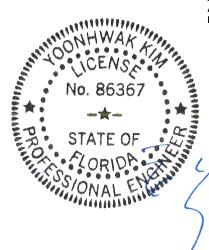
Special Loads

--(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00) TC: From 50 plf at 0.00 to 50 plf at 6.50 5 plf at 0.00 to 5 plf at 6.50 TC: 863 lb Conc. Load at 1.69, 3.69 TC: 661 lb Conc. Load at 2.14, 4.14, 6.14 TC: 856 lb Conc. Load at 5.54

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. The overall height of this truss excluding overhang is



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SEQN: 660607 SY42 Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T55 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1603.19430 Truss Label: F08 GA / YK 06/06/2022 - 2' (TYP) ≡1X4 G **≡1X4** 3"8 8'1"2 **∥2X4 ||2X4** 11'8"

12'3"

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.000 G 999 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.001 G 999 360
BCDL: 5.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.001 B
Des Ld: 55.00 NCBCLL: 10.00	EXP: NA Kzt: NA Mean Height: NA ft	Building Code:	HORZ(TL): 0.001 B Creep Factor: 2.0
Soffit: 0.00 Load Duration: 1.00	TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.249 Max BC CSI: 0.045
Spacing: 24.0 "	C&C Dist a: NA ft Loc. from endwall: NA	Rep Fac: Yes FT/RT:20(0)/10(0)	Max Web CSI: 0.051
Lumber	I: NA GCpi: NA Wind Duration: NA	Plate Type(s): WAVE	VIEW Ver: 21.02.01.1214.12

	▲ N	laxim	um Rea	ctions (II	bs), or *=	:PLF	
		G	ravity		No	on-Gra	vity
)	Loc	: R+	/ R-	/ Rh	/ Rw	/U	/ RL
)	0	93	/-	/-	/-	/-	/-
	Ō*	93 97 106	/-	/-	/-	/-	/-
	Ī	106	/-	/-	/-	/-	/-
	0	Brg V	Vid = 3.	5 Min F	Req = 1.5	(Trus	s)
	0	Brg V	Vid = 14	10 Min F	Req = -		-
	1	Brg V	Vid = 3.	5 Min F	Req = 1.5	(Trus	s)
	Bea	arings	O, O, &	I are a rig	gid surfac	ce.	•
	Mei	mbers	not liste	ed have fo	rces les	s than	375#

Top chord: 4x2 SP #2; Bot chord: 4x2 SP #2; Webs: 4x2 SP #3;

Bracing

Sheathing is required for any longitudinal(drag) forces. All connections to be designed by the building designer.

Fasten rated sheathing to one face of this frame.

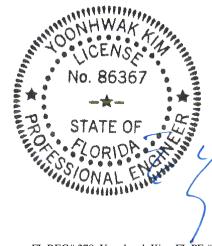
Plating Notes

All plates are 1X4 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up. The overall height of this truss excluding overhang is



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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025 SEQN: 660609 SY42 Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T62 FROM: CDM DrwNo: 157.22.1603.35120 Qty: 9 Lot 14 JL - Rainbolt Res Truss Label: F09 GA / YK 06/06/2022 6'9"12 12'3" 6'9"12 5'5"4 2'6"12 2'6" (TYP) ≡2.5X6 D =1X4 В С Ε 3"8 8'1"2 $\equiv 3X5$ М O L ∥1X4 Bracing =3X5 **∥2X4 ∥2X4** 12'3"

	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 40.00 Wind Std: NA TCDL: 10.00 Speed: NA mph BCLL: 0.00 Enclosure: NA BCDL: 5.00 Category: NA EXP: NA Kzt: NA Mean Height: NA 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): 0.079 K 999 480 VERT(CL): 0.109 K 999 360 HORZ(LL): 0.015 I HORZ(TL): 0.020 I Creep Factor: 2.0
NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 24.0 " C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE	Max TC CSI: 0.456 Max BC CSI: 0.461 Max Web CSI: 0.383 VIEW Ver: 21.02.01.1214.12

A N	▲ Maximum Reactions (lbs)									
	Gravity Non-Gravity									
Loc	: R+	/ R-	/ Rh	/ Rw	/ U	/ RL				
0	661	/-	/-	/-	/-	/-				
Ĥ	661	/-	/-	/-	/-	/-				
0	Brg	Wid = 3.	5 Min	Req = 1.5	5 (Trus	s)				
Н	Brg	Wid = 3.	5 Min	Req = 1.	5 (Trus	s)				
Bea	arings	O & H a	are a rig	id surface.						
Ме	mber	s not liste	ed have	forces les	s than	375#				
Ma	ximu	m Top C	hord F	orces Per	Ply (lb	s)				
Cho	ords	Tens.Co	mp.	Chords	Tens.	Comp.				
Α-	В	0	- 590	D-E	0	- 1371				
В-	С	0 -	1372	E-F	0	- 591				
¬ С -	D	0 -	1601							

Top chord: 4x2 SP #2; Bot chord: 4x2 SP #2; Webs: 4x2 SP #3;

Plating Notes

All plates are 3X4 except as noted.

Additional Notes

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

The overall height of this truss excluding overhang is



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Co	mp.	Chords	Tens. Comp.	
N - M	1135	0	K-J	1600	0
M - L	1593	0	J - I	1136	0
L-K	1593	0			

Maximum Web Forces Per Plv (lbs)

Webs	Tens.C	omp.	Webs	Tens. (Comp.
P - O	0	- 656	E-I	0	- 759
A - P	0	- 645	I-F	803	0
A - N	802	0	F-G	0	- 645
N - B	0	- 758	G - H	0	- 650

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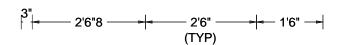


SY42

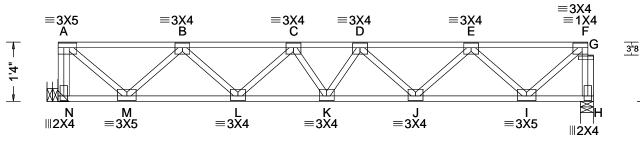
Ply: 1 Qty: 3

Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: F10

Cust: R 215 JRef: 1XG62150001 T76 DrwNo: 157.22.1604.13197 GA / YK 06/06/2022







- 12'0"8



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.074 K 999 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.102 K 999 360
BCDL: 5.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.014 I
Des Ld: 55.00	EXP: NA Kzt: NA Mean Height: NA ft		HORZ(TL): 0.019 I
NCBCLL: 10.00	TCDL: NA psf	Building Code:	Creep Factor: 2.0
Soffit: 0.00	BCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.438
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.435
Spacing: 24.0 "	C&C Dist a: NA ft	Rep Fac: Yes	Max Web CSI: 0.371
	Loc. from endwall: NA	FT/RT:12(0)/10(0)	
	I: NA GCpi: NA	Plate Type(s):	
	Wind Duration: NA	WAVE	VIEW Ver: 21.02.01.1214.12

Lumber

Top chord: 4x2 SP #2; Bot chord: 4x2 SP #2; Webs: 4x2 SP #3;

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=-0"8 uses support conditions: -0"8 Bearing N (-0"8, 8'1"2) HHUS46 uses the following

Supporting Member: (2)2x6 SP #2 (14) 0.148"x3" nails into supporting member,(6) 0.148"x3" nails into supported

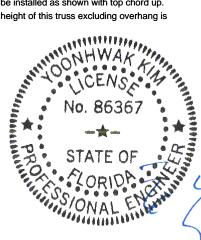
member.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Maximum panel length exceeds 30". TPI allows non-bearing partition walls to be supported at any point when panels are 30" or less

Truss must be installed as shown with top chord up. The overall height of this truss excluding overhang is



▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL Ν 661 /-/-/-/-/-646 Brg Wid = -Min Req = Brg Wid = 3.5Min Req = 1.5 (Truss) Bearing H is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 0 - 565 D-E 0 - 1326 0 - 1322 - 573 0 - 1527

Maximu	Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.Co	mp.	Chords	Tens.	Comp.			
M - L	1095	0	K-J	1523				

1522 1102 0 Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens. Comp.	
A - N	0	- 653	I-F	780	0
A - M	776	0	F-G	0	- 630
M - B	0	- 738	G-H	0	- 635
E-I	0	- 736			

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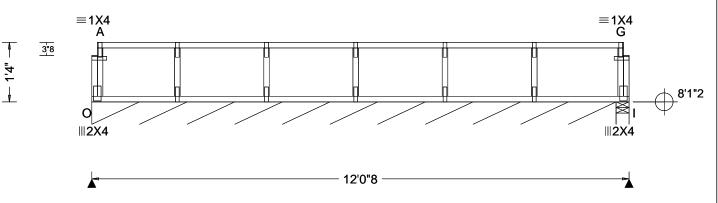
SY42

Ply: 1 Qty: 1

Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: F11

Cust: R 215 JRef: 1XG62150001 T90 DrwNo: 157.22.1604.20167 GA / YK 06/06/2022





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=I	PLF
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.00	Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Kzt: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA	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): 0.000 G 999 480 VERT(CL): 0.001 G 999 360 HORZ(LL): -0.001 G HORZ(TL): 0.002 G Creep Factor: 2.0 Max TC CSI: 0.249 Max BC CSI: 0.046 Max Web CSI: 0.051	Gravity Not	n-Gravity /U / RL /- /- /- /- (Truss)
	Wind Duration: NA	WAVE	VIEW Ver: 21.02.01.1214.12		

Lumber

Top chord: 4x2 SP #2; Bot chord: 4x2 SP #2; Webs: 4x2 SP #3;

Bracing

Sheathing is required for any longitudinal(drag) forces. All connections to be designed by the building designer.

Fasten rated sheathing to one face of this frame.

Plating Notes

All plates are 1X4 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up. The overall height of this truss excluding overhang is



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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.

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

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

SEQN: 661072 HIPM Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T25 Ply: 1 FROM: CDM Lot 14 JL - Rainbolt Res DrwNo: 157.22.1604.52800 Qty: 1 Truss Label: G01 GA / YK 06/06/2022 6'0"1 13'0"1 20'0"1 6'0"1 ∥3X4 D ≶7X6 C **|||7X6** T2 3'10"5 ⊕^{8'1"2} 4"4 H ∥2.5X6 **∥2X10** =4X6(A1) 20' 6'1"13 6'10"4 7' 6'1"13 13'0"1 20'0"1 Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) Non-Gravity Wind Std: ASCE 7-16 Gravity Pg: NA Ct: NA CAT: NA TCLL: 20.00 PP Deflection in loc L/defl L/# Loc R+ /R /Rh /Rw /U /RL Speed: 130 mph TCDL: 10.00 Pf: NA VERT(LL): 0.086 D 999 240 Ce: NA Enclosure: Closed VERT(CL): 0.173 D BCI I · 0.00 Lu: NA Cs: NA 999 180 В 1802 /-/394 Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.022 C 1995 /-/474 /-EXP: C Kzt: NA Wind reactions based on MWFRS HORZ(TL): 0.045 C Des Ld: 40.00 Mean Height: 15.00 ft Brg Wid = 4.0Min Reg = 2.1 (Truss) В **Building Code:** Creep Factor: 2.0 NCBCLL: 10.00 TCDL: 5.0 psf Brg Wid = -Min Reg = -FBC 7th Ed. 2020 Res. Max TC CSI: 0.832 Soffit: 2.00 BCDL: 5.0 psf Bearing B is a rigid surface. TPI Std: 2014 Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2

Lumber

Spacing: 24.0 "

Top chord: 2x4 SP #2; T2 2x6 SP #2; Bot chord: 2x6 SP #2: Webs: 2x4 SP #3; W4 2x4 SP #2;

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 63 plf at -1.50 to 63 plf at TC: From 32 plf at 5 plf at 6 01 to 32 plf at 20.00 BC: From -1.50 to 5 plf at 0.00 20 plf at 0.00 to BC: From 20 plf at 6.04 10 plf at 6.04 to 20.00 BC: From 10 plf at 344 lb Conc. Load at 6.04 160 lb Conc. Load at 8.07,10.07,12.07,14.07 16.07,18.07,19.94 BC: 381 lb Conc. Load at 6.04 BC: 110 lb Conc. Load at 8.07,10.07,12.07,14.07 16.07,18.07,19.94

C&C Dist a: 3.00 ft

Wind Duration: 1.60

Loc. from endwall: not in 4.50 ft

GCpi: 0.18

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.

Additional Notes

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

Max BC CSI: 0.669 Max Web CSI: 0.706

VIEW Ver: 21.02.01.1214.12

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 648 - 2767

659 - 3037 649 - 2769

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp. Tens. Comp. Chords 2548 - 539 H-G 2576 - 536

Maximum Web Forces Per Ply (lbs)

webs	rens.comp.		vvebs	i ens.	Comp.
C - H	672	0	D-G	475	- 949
G-E	3069	- 721	E-F	513	- 1737



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Rep Fac: Varies by Ld Case

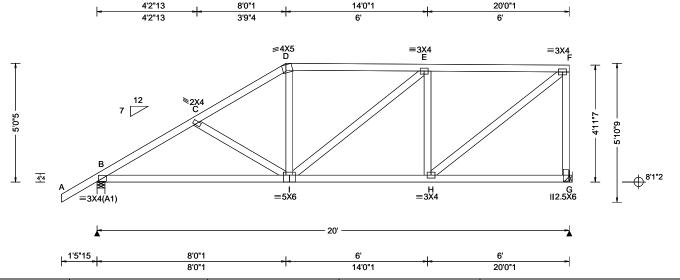
FT/RT:20(0)/10(0)

Plate Type(s):

WAVE

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SEQN: 660458 SPEC Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T22 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1605.08727 Truss Label: G02 GA / YK 06/06/2022



Loading Criteria (psf) Wind Criteria		Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria		
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.032 I 999 240 VERT(CL): 0.065 I 999 180 HORZ(LL): 0.011 C HORZ(TL): 0.022 C	L B G	
NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCbi: 0.18	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Creep Factor: 2.0 Max TC CSI: 0.624 Max BC CSI: 0.587 Max Web CSI: 0.668	B B N C	
Lumber	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12	B	

▲ Maximum Reactions (lbs)							
Gravity			N	Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
В	937	/-	/-	/587	/149	/186	
G	828	/-	/-	/439	/169	/-	
Win	d rea	ections b	ased or	MWFRS			
B Brg Wid = 4.0 Min Reg = 1.5 (Truss)							
G Bra Wid = - Min Rea = -							
Bea	Bearing B is a rigid surface.						
Members not listed have forces less than 375#							
Maximum Top Chord Forces Per Ply (lbs)							
Cho	rds	Tens.Co	mp.	Chords	Tens.	Ćomp.	
В-(С	546 -	1302	D-E	491	- 876	
C - I	Ď	521 -	1065	F-F	503	- 781	

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

Hangers / Ties

(J) Hanger Support Required, by others

Wind

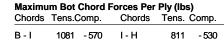
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

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



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

E-H 463 - 499 F-G 572 - 779 H-F - 641 997



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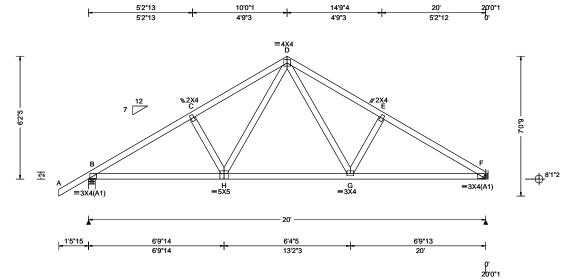
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SEQN: 660452 SPEC Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T23 FROM: CDM Qty: 3 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1605.11030 Truss Label: G03 GA / YK 06/06/2022



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/#	١.		
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.039 H 999 240	L		
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.076 H 999 180	E		
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.016 F	F		
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.032 F	V		
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	E		
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.262	F		
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.513	1 -		
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.187	N		
'	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		l"		
	GCpi: 0.18	Plate Type(s):] -		
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12	E		
Lumber						

▲ Maximum Reactions (lbs)							
Gravity			N	Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
В	972	/-	/-	/561	/162	/178	
F	874	/-	/-	/480	/135	/-	
Win	d read	ctions b	ased or	MWFRS			
В	Brg V	Vid = 4.	0 Mir	n Req = 1.	5 (Trus	s)	
F	F Brg Wid = - Min Reg = -						
Bea	ring B	is a rig	id surfa	ice.			
Members not listed have forces less than 375#							
Maximum Top Chord Forces Per Ply (lbs)							
Cho	rds 7	Tens.Co	mp.	Chords	Tens.	Ćomp.	
B - 0	3	256 -	1371	D-E	292	- 1223	
C - I	5	289 -	-	E-F	258	- 1366	

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

Hangers / Ties

(J) Hanger Support Required, by others

Loading

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

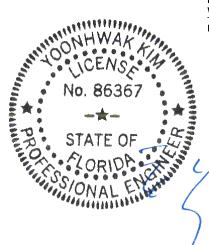
Wind

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 6-2-5.



1126 - 154 1120 H - G 757 - 32

Maximum Bot Chord Forces Per Ply (lbs)

- 157

Chords

Tens. Comp.

Maximum Web Forces Per Ply (lbs)

Chords Tens.Comp.

Tens.Comp. Tens. Comp. Webs Webs H - D D - G 484 492 - 95

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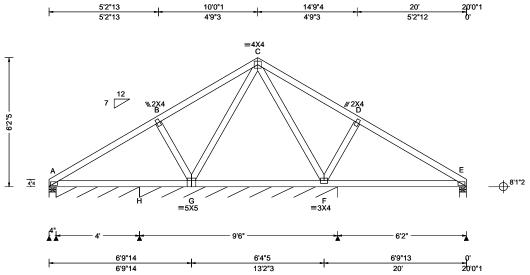
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SEQN: 660449 SPEC Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T29 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1605.29403 Truss Label: G04 GA / YK 06/06/2022

14'9"4

10'0"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): 0.006 E 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.013 E 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.003 E
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.008 E
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.441
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.356
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.164
	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: 21.02.01.1214.12
Lumber	•	-	

I	▲ Maximum Reactions (lbs), or *=PLF									
ı		(3ravity		No	on-Gra	vity			
ı	Loc	R+	/ R-	/ Rh	/ Rw	/U	/ RL			
	A	188	/-	/-	/93	/35	/150			
ı	Α*	40	/-	/-	/26	/-	/-			
ı	H*	112	/-	/-	/61	/21	/-			
ı	Е	297	/-	/-	/195	/38	/-			
ı	Wir	nd rea	ctions b	ased on	MWFRS					
ı	Α	Brg \	Nid = 4	.0 Min	Req = 1.5	(Trus	ss)			
ı	Α	Brg \	Nid = 4	8.0 Min	Req = -					
ı	Н	Brg \	Nid = 1	14 Min	Req = -					
ı	Е	Brg \	Nid = 4	.0 Min	Req = 1.5	(Trus	ss)			
4	Bea	arings	A, A, H	, & E are	e a rigid su	rface.				
	Mei	mbers	not list	ed have	forces less	s than	375#			

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

Plating Notes

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 6-2-5



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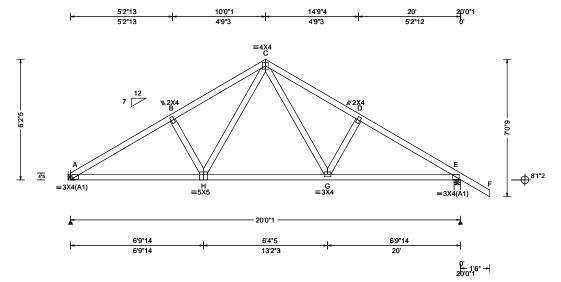
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SEQN: 660443 SPEC Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T28 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1605.33940 Truss Label: G05 GA / YK 06/06/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	4
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 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): 0.033 G 999 240 VERT(CL): 0.067 G 999 180 HORZ(LL): 0.014 E HORZ(TL): 0.028 E Creep Factor: 2.0 Max TC CSI: 0.262 Max BC CSI: 0.454 Max Web CSI: 0.167 VIEW Ver: 21.02.01.1214.12	A E E E N N C A
Lumber				⊣ E

▲ Maximum Reactions (lbs)							
	G	ravity		Non-Gravity			
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL	
A 8	26	/-	/-	/477	/134	/178	
E 9	39	/-	/-	/565	/163	/-	
Wind	reac	tions bas	sed on	MWFRS			
AE	3rg W	/id = -	Min	Req = -			
E	3rg W	/id = 4.0	Min	Req = 1.5	(Truss	s)	
Beari	ng E	is a rigio	surfac	e.	•		
Meml	bers i	not listed	l have f	orces les	s than 3	375#	
Maximum Top Chord Forces Per Ply (lbs)							
Chore	ds T	ens.Con	ıp.	Chords	Tens.	Ćomp.	
А-В		257 - 12	266	C-D	282	- 1104	
B-C		290 - 11		Ď-F	249		

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

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 6-2-5



Chords

C-G

Tens. Comp.

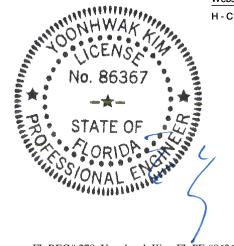
408

82

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp.

438



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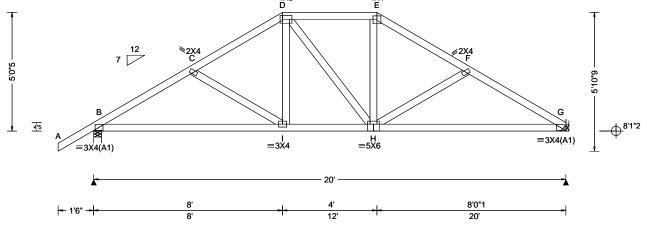
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 660440 HIPS Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T27 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1605.35880 Truss Label: G06 GA / YK 06/06/2022 4'2"13 15'9"3 20' 4'2"13 3'9"4 3'9"4 4'2"13 ≡4X6 D



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf 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): 0.031 I 999 240 VERT(CL): 0.064 I 999 180 HORZ(LL): 0.015 G HORZ(TL): 0.031 G Creep Factor: 2.0 Max TC CSI: 0.236 Max BC CSI: 0.574 Max Web CSI: 0.114	
Lumber	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12	5 ا
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

Wind loading based on both gable and hip roof types.

Additional Notes

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

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 939 /565 /166 /148 826 /-/478 /137 /-Wind reactions based on MWFRS Brg Wid = 4.0Min Reg = 1.5 (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. B - C C - D 440 - 1253 414 - 1033 411 - 1029 451 - 1275 D-E 393 - 845

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Tens. Comp. Chords B - I 1028 - 316 H-G 1058 - 329 I - H 836 - 231



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SEQN: 661080 HIPM Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T37 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1606.06883 Truss Label: G07 GA / YK 06/06/2022 10'10"6 15'3"7 20' 4'10"5 4'5"1 4'8"9 6' 1112X4 ≢7X6 C ≡3X4 D =6X6T2 E ⊕^{8'1"2} 4"5 G ||3X8 H ≡6X10 J ⊪3X4 =7X6 =4X6(A1) 20' 4'8"9 6'1"12 4'5"1 4'8"9 - 1'6" - 6'1"12 10'6"14 15'3"7 20' ▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL 0 В 1815 /-/397 1981 /-/-/471

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 I 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.147 I 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.020 G
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18	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):	HORZ(TL): 0.041 G Creep Factor: 2.0 Max TC CSI: 0.744 Max BC CSI: 0.576 Max Web CSI: 0.957
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12
Laurabana	·	Additional Natas	·

Lumber

Top chord: 2x4 SP #2; T2 2x6 SP #2; Bot chord: 2x6 SP #2; Webs: 2x4 SP #3;

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 63 plf at 32 plf at 5 plf at TC: From -1.50 to 63 plf at 6.00 TC: From 6.00 to 32 plf at 20.00 BC: From -1.50 to 5 plf at 0.00 20 plf at 0.00 to 20 plf at BC: From 6.03 BC: From 10 plf at 6.03 to 20.00 10 plf at 344 lb Conc. Load at 6.03 160 lb Conc. Load at 8.06,10.06,12.06,14.06 TC: 16.06,18.06,19.94 381 lb Conc. Load at 6.03 BC: 110 lb Conc. Load at 8.06,10.06,12.06,14.06 16.06,18.06,19.94

Hangers / Ties

(J) Hanger Support Required, by others

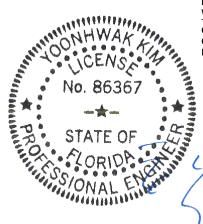
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

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.

Additional Notes

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



Maximum Bot Chord Forces Per Ply (lbs)

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

Wind reactions based on MWFRS Brg Wid = 4.0

645 - 2940

645 - 2832

Brg Wid = -

Chords Tens.Comp.

Bearing B is a rigid surface.

В

B - C

C-D

Chords	Tens.Comp.		Tens.Comp. Chords		Chords	Tens. Comp.		
B-J	2461	- 526	I-H	2827	- 656			
J - I	2484	- 523						

Min Reg = 2.1 (Truss)

Min Req = -

Chords

E-F

Tens. Comp.

473 - 2040

473 - 2040

Maximum Web Forces Per Ply (lbs)

vvebs	rens.com	p.	webs	rens.	Comp.
C-J	544	0	E-H	271	- 540
C - I	432 - 19	51	H - F	2511	- 583
D - H	231 - 99	93	F-G	499	- 1783

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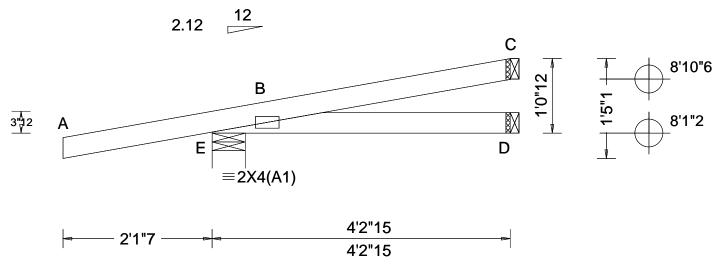
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SEQN: 661048 HIP_ Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T60 FROM: CDM DrwNo: 157.22.1606.20290 Qty: 2 Lot 14 JL - Rainbolt Res Truss Label: HJ01 GA / YK 06/06/2022



Loading Criteria (psf) Wind Criteria TCLL: 20.00 Wind Std: ASCE TCDL: 10.00 Speed: 130 mph BCLL: 0.00 Enclosure: Closed BCDL: 10.00 Risk Category: II Des Ld: 40.00 Mean Height: 15.0 NCBCLL: 0.00 TCDL: 5.0 psf	Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	DefI/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.001 B HORZ(TL): 0.002 B Creep Factor: 2.0 Max TC CSI: 0.386	Loc R+ E 212 D 12 C 52 Wind rea
Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " C&C Dist a: 3.00 f Loc. from endwall: GCpi: 0.16 Wind Duration: 1.6	Rep Fac: No NA FT/RT:20(0)/10(0) B Plate Type(s):	Max BC CSI: 0.068 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	D Brg C Brg Bearing Member

	G	ravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Е	212	/-	/-	/-	/61	/-
D	12	/-	/-	/13	/-	/-
С	52	/-	/-	/-	/19	/-
Win	d read	ctions b	ased on N	/WFRS		
Е	Brg V	Vid = 5.	7 Min F	Req = 1.5	(Trus	s)
D	Brg V	Vid = 1.	5 Min F	. = eq	•	•
			5 Min F			
Bea	ring E	is a rig	id surface).		
Men	nhers	not liste	ed have fo	rces les	s than	375#

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

Hipjack supports 3-0-0 setback jacks with no webs.

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.

The overall height of this truss excluding overhang is



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SEQN: 661051 HIP_ Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T47 FROM: CDM DrwNo: 157.22.1607.23533 Qty: 1 Lot 14 JL - Rainbolt Res Truss Label: HJ02 GA / YK 06/06/2022 6'1" 10'3"11 6'1" 4'2"11 2.12 ≡4X5 C В 8'1"2 **∥2X4** =3X4(A1) =5X5 10'3"11 5'11"4 4'4"7 5'11"4 10'3"11

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	4
TCLL: 20.00	Wind Std: ASCE 7-16 Speed: 130 mph	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١,
TCDL: 10.00 BCLL: 0.00	Enclosure: Closed	Pf: NA Ce: NA Lu: NA Cs: NA	VERT(LL): 0.053 F 999 240 VERT(CL): 0.105 F 999 180	
BCDL: 10.00	Risk Category: II EXP: C Kzt: NA	Snow Duration: NA	HORZ(LL): 0.011 E	E
Des Ld: 40.00 NCBCLL: 0.00	Mean Height: 15.00 ft	Building Code:	HORZ(TL): 0.022 E Creep Factor: 2.0	(
Soffit: 2.00 Load Duration: 1.25	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res. TPI Std: 2014	Max TC CSI: 0.503 Max BC CSI: 0.523	E
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.499	ı
	Loc. from endwall: NA GCpi: 0.18	FT/RT:20(0)/10(0) Plate Type(s):		9
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12]
Lumber				

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL G 448 667 /-/123 Wind reactions based on MWFRS Brg Wid = 5.7Min Reg = 1.5 (Truss) Brg Wid = 1.5 Min Req = 1.5 (Truss) Bearings G & E are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 240 - 1349

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 1315 - 232 1301 - 240

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. 244 - 1319

Top chord: 2x4 SP #2;

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

Hipjack supports 7-3-8 setback jacks. Jacks up to 7' have no webs. Longer jacks supported to BC.

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

The overall height of this truss excluding overhang is 2-1-9.



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

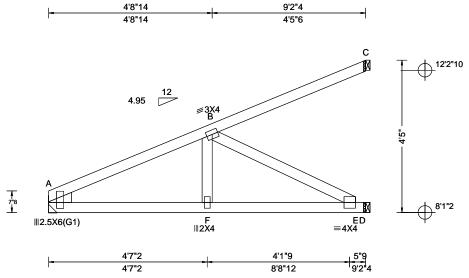
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SEQN: 661053 HIP_ Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T75 FROM: CDM DrwNo: 157.22.1607.52390 Qty: 1 Lot 14 JL - Rainbolt Res Truss Label: HJ03 GA / YK 06/06/2022



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.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.014 F 999 240	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.029 F 999 180	1
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.003 B	[
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.007 B	(
NCBCLL: 0.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	١
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.542	1
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.449	[
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.281	(
-	Loc. from endwall: NA	FT/RT:20(0)/10(0)		ľ
	GCpi: 0.18	Plate Type(s):		" [
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12	1
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	۸N	/laxim	um Rea	ctions (II	bs)			
		G	avity		No	on-Gra	vity	
٥l	Loc	: R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
٥l	Α	279	/-	/-	/-	/46	/-	
		332		, /-	/-		, /-	
.	С	227	/-	/-	/-	/84	/-	
	Wii	nd read	ctions b	ased on N	MWFRS			
	Α	Brg V	Vid = -	Min F	Req = -			
	D	Brg V	Vid = 1.	.5 Min F	Req = -			
	С	Brg V	Vid = 1.	.5 Min F	Req = -			
	Ме	mbers	not list	ed have fo	orces less	s than	375#	
	Ma	ximun	n Top C	hord Fo	rces Per	Ply (lk	os)	
	Ch	orde "	Tens.Co	nmn				
		oius	10113.00	лпр				
	Α-	В	98	- 582				

Lumber

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

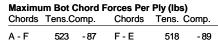
Loading

Hipjack supports 6-6-0 setback jacks with no webs.

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

Additional Notes

The overall height of this truss excluding overhang is 4-5-0



Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. 101 - 587



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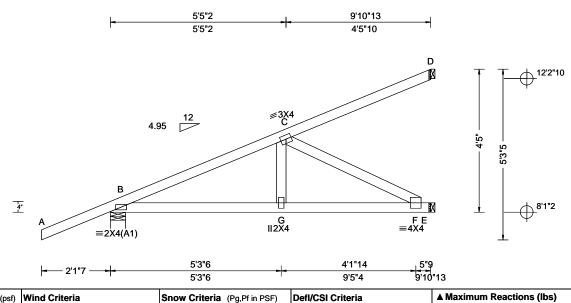
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SEQN: 661063 HIP_ Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T17 FROM: CDM Qty: 2 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1608.01227 Truss Label: HJ04 GA / YK 06/06/2022



TCLL: 20.00 Wind Std: ASCE 7-16 Pg: NA	lefl L/# 999 240
TCDL: 10.00 Speed: 130 mph Pf: NA Ce: NA VERT(LL): 0.019 G	99 240
	999 180
BCDL: 10.00 Risk Category: II Snow Duration: NA HORZ(LL): 0.005 F	
Des Ld: 40.00 EXP: C Kzt: NA Mean Height: 15.00 ft	
NCBCLL: 0.00 Mean Height. 15.00 ft Building Code: Creep Factor: 2.0	
Soffit: 2.00 BCDL: 5.0 psf FBC 7th Ed. 2020 Res. Max TC CSI: 0.619	
Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 TPI Std: 2014 Max BC CSI: 0.517	
Spacing: 24.0 " C&C Dist a: 3.00 ft Rep Fac: No Max Web CSI: 0.320	
Loc. from endwall: NA FT/RT:20(0)/10(0)	
GCpi: 0.18 Plate Type(s):	
Wind Duration: 1.60 WAVE VIEW Ver: 21.02.01.1214	4.12

Lumber

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

Loading

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

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

The overall height of this truss excluding overhang is 4-5-0.

Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 466 /-Е 374 /-/-/9 253 Wind reactions based on MWFRS Brg Wid = 5.7 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.

B - C

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

B - G 593 G-F 587 - 94

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. C-F 107 - 664



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

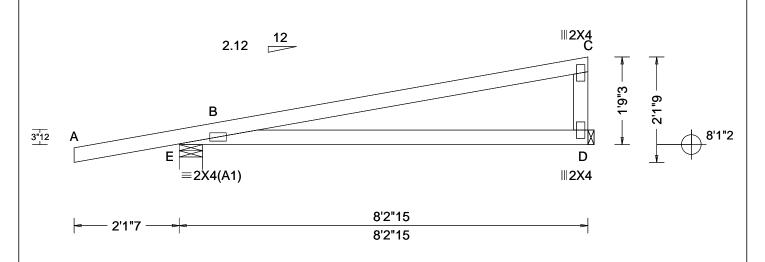
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 661059 HIP_ Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T49 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1608.08757 Truss Label: HJ05 GA / YK 06/06/2022



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): 0.015 B
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.030 B
NCBCLL: 0.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.401
l	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.243
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.265
'	Loc. from endwall: NA	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12
1			

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 325 415 /-/-/76 Wind reactions based on MWFRS Brg Wid = 5.7Min Reg = 1.5 (Truss) Brg Wid = 1.5 Min Req = -Bearing E is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Loading

Hipjack supports 5-10-0 setback jacks with no webs.

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

The overall height of this truss excluding overhang is 1-9-3.



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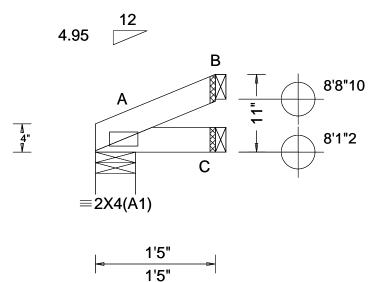
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SEQN: 661092 HIP_ Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T51 FROM: CDM Qty: 4 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1608.10727 Truss Label: HJ06 GA / YK 06/06/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	١.
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	!
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	L
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 A	1
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.000 A	ı
NCBCLL: 0.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	١
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.003	1
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.002	Ľ
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.000	ľ
'	Loc. from endwall: Any	FT/RT:20(0)/10(0)		ľ
	GCpi: 0.18	Plate Type(s):		ľ
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12	
				-

Gravity				N	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
	5	/-	/-	/2	/1	/-
С	3	/-	/-	/1	/-	/-
В	6	/-	/-	/1	/2	/-
Wir	nd read	ctions b	ased on N	/WFRS		
Α	Brg V	Vid = 5.	7 Min F	Req = 1.5	(Trus	s)
С	Brg V	Vid = 1.	5 Min F	Req = -		•
В	Brg V	Vid = 1.	5 Min F	Req = -		
Bea	ring A	is a rig	id surface).		
Mei	mbers	not liste	ed have fo	orces les	s than	375#

Lumber

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

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

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.

The overall height of this truss excluding overhang is



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

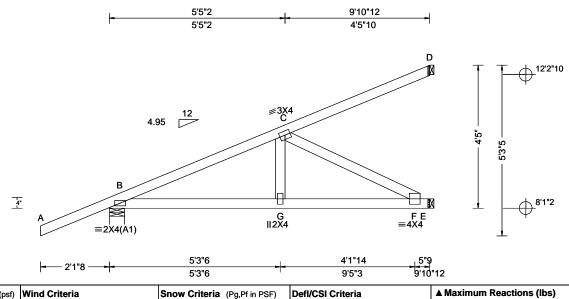
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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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: 661061 HIP_ Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T12 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1608.14897 Truss Label: HJ07 GA / YK 06/06/2022



fl L/#
9 240
9 180
-
-
12

Lumber

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

Loading

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

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

The overall height of this truss excluding overhang is 4-5-0.

Chords Tens.Comp. B - C

Gravity

Brg Wid = 1.5

Brg Wid = 1.5

Bearing B is a rigid surface.

/Rh

/-

Wind reactions based on MWFRS Brg Wid = 5.6

Loc R+

252

В 466

Е 374

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - G 592 G-F 586 - 94

Non-Gravity

/9

/RL

/-

/-

/Rw /U

Min Req = 1.5 (Truss)

Min Req = -

Min Req = -

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

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. C-F 107 - 664



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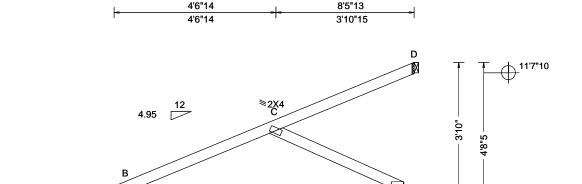
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SEQN: 661066 HIP_ Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T24 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1608.23057 Truss Label: HJ08 GA / YK 06/06/2022



5"10 8'5"13 8'0"3 2'1"8 8'0"3

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Ī
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.016 F 999 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.032 F 999 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.005 C	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.009 C	
NCBCLL: 0.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.377	
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.528	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.151	
	Loc. from endwall: NA	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12	
Lumber				_

=2X4(A1)

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 350 /-Е 271 /-/-184 Wind reactions based on MWFRS Brg Wid = 5.6 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.

8'1"2

B - C 126 - 395

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. C-F 118 -402

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

Loading

Hipjack supports 6-0-0 setback jacks with no webs.

4"

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

The overall height of this truss excluding overhang is 3-10-0



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

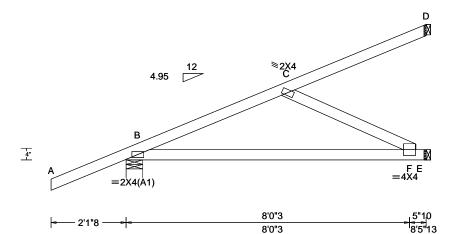
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

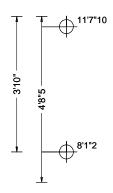
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SEQN: 661068 HIP_ Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T45 FROM: CDM DrwNo: 157.22.1608.26597 Qty: 1 Lot 14 JL - Rainbolt Res Truss Label: HJ09 GA / YK 06/06/2022







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 F 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.032 F 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.005 C
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.009 C
NCBCLL: 0.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.377
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.528
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.151
'	Loc. from endwall: NA	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12
Lumber			

	▲ Maximum Reactions (lbs)										
	Gravity				Non-Gravity						
0	Loc	: R+	/ R-	/ Rh	/ Rw	/ U	/ RL				
0	В	350	/-	/-	/-	/71	/-				
-	E	271	/-	/-	/-	/1	/-				
-	D	184	/-	/-	/-	/73	/-				
	Wii	nd read	tions b	ased on N	/WFRS						
	В	Brg V	Vid = 5.	6 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	aring B	is a rig	id surface	€.						
	Members not listed have forces less than 375#										
	Ma	ximun	Top C	hord For	ces Per	Ply (lk	s)				
			ens.Co			- •	•				

B - C 126 - 395

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

Hipjack supports 6-0-0 setback jacks with no webs.

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

Top chord: 2x4 SP #2;

The overall height of this truss excluding overhang is 3-10-0

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. 118 -402



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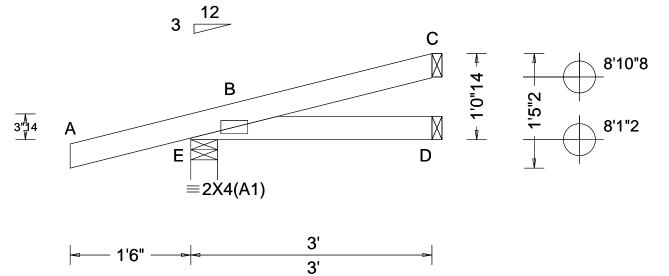
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SEQN: 660984 **EJAC** Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T59 FROM: CDM Qty: 3 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1608.45847 Truss Label: J02 GA / YK 06/06/2022



▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL Е 255 /145 /41 D 46 /-/26 59 /27 Wind reactions based on MWFRS Brg Wid = 4.0 Min Req = 1.5 (Truss) Brg Wid = 1.5 Min Req = -Brg Wid = 1.5 Min Req = -Bearing E is a rigid surface. Members not listed have forces less than 375#

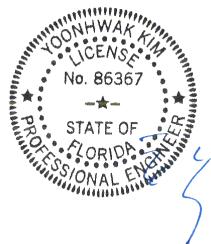
Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 1-0-14.



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

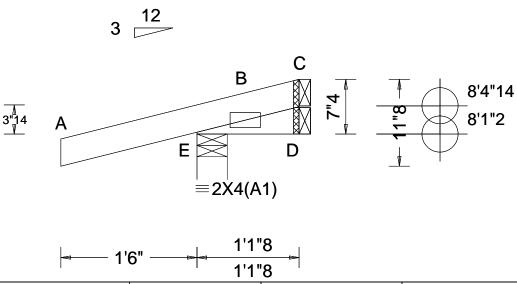
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 660538 JACK Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T65 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1608.51373 Truss Label: J04 GA / YK 06/06/2022



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 D
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.000 D
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.193
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.025
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
_	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12
Lumbor			

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U E 238 /-/143 /115 /27 D /-16 /-/23 /-6 /13 /-34 /31 /26 Wind reactions based on MWFRS Brg Wid = 4.0 Min Req = 1.5 (Truss) Brg Wid = 1.5 Min Req = -Brg Wid = 1.5 Min Req = -Bearing E is a rigid surface. Members not listed have forces less than 375#

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

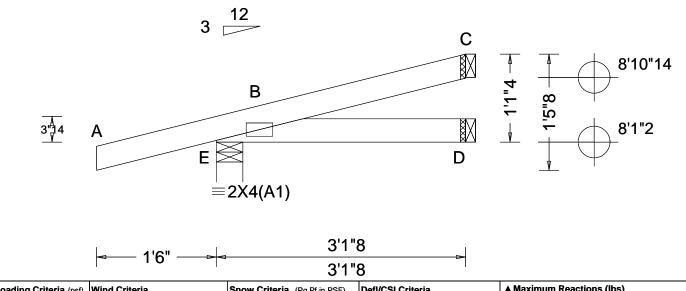
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 660540 JACK Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T64 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1608.57137 Truss Label: J05 GA / YK 06/06/2022



Loading Criteria (psf)	wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defi/CSI Criteria	ı
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	l
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	l
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 B	l
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.001 B	
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.252	
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.065	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000	
	Loc. from endwall: Any	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12	l
Lumbor				•

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL Е 258 /147 /88 /42 D 48 /-/27 63 /28 Wind reactions based on MWFRS Brg Wid = 4.0 Min Req = 1.5 (Truss) Brg Wid = 1.5 Min Req = -Brg Wid = 1.5 Min Req = -Bearing E is a rigid surface. Members not listed have forces less than 375#

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is



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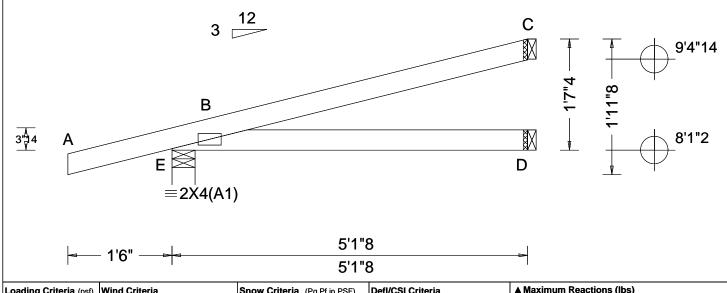
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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SEQN: 660546 JACK Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T63 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1609.03763 Truss Label: J06 GA / YK 06/06/2022



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	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.005 B HORZ(TL): 0.010 B
NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Creep Factor: 2.0 Max TC CSI: 0.383 Max BC CSI: 0.225 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12
Lumber	•	•	•

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL Е 327 /181 /57 D 89 /-/49 /-125 /51 Wind reactions based on MWFRS Brg Wid = 4.0 Min Req = 1.5 (Truss) Brg Wid = 1.5 Min Req = -Brg Wid = 1.5 Min Req = -Bearing E is a rigid surface. Members not listed have forces less than 375#

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

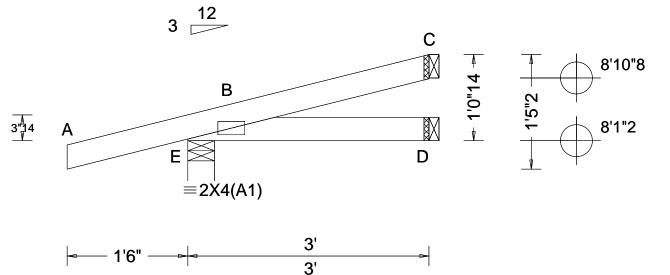
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 660542 JACK Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T68 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1609.16253 Truss Label: J08 GA / YK 06/06/2022



Loading Criteria (psf) Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 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	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 B HORZ(TL): 0.001 B Creep Factor: 2.0 Max TC CSI: 0.147 Max BC CSI: 0.058 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL Ε 255 /145 /41 D 46 /-/26 59 /27 Wind reactions based on MWFRS Brg Wid = 4.0 Min Req = 1.5 (Truss) Brg Wid = 1.5 Min Req = -Brg Wid = 1.5 Min Req = -Bearing E is a rigid surface. Members not listed have forces less than 375#

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 1-0-14.



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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: 660544 JACK Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T67 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1609.19443 Truss Label: J09 GA / YK 06/06/2022 C 9'4"8 В 3" 4 D \equiv 2X4(A1)

5' - 1'6" -5'

Loading Criteria (psf)	Wind Criteria
TCLL: 20.00	Wind Std: ASCE 7-16
TCDL: 10.00	Speed: 130 mph
BCLL: 0.00	Enclosure: Closed
BCDL: 10.00	Risk Category: II
Des Ld: 40.00	EXP: C Kzt: NA
	Mean Height: 15.00 ft
NCBCLL: 10.00	TCDL: 5.0 psf
Soffit: 2.00	BCDL: 5.0 psf
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2
Spacing: 24.0 "	C&C Dist a: 3.00 ft
	Loc. from endwall: not in 4.50 ft
	GCpi: 0.18

Snow Cr	riteria (Pg	,Pf in PSF)
Pg: NA	Ct: NA	CAT: N
Pf: NA		Ce: NA
Lu: NA	Cs: NA	
Snow Du	ration: NA	1
Building	Code:	
FBC 7th	Ed. 2020 I	Res.

Lu: NA Cs: NA	VERT(CL): NA
Snow Duration: NA	HORZ(LL): 0.005 B -
Building Code:	Creep Factor: 2.0
FBC 7th Ed. 2020 Res.	Max TC CSI: 0.278
TPI Std: 2014	Max BC CSI: 0.212
Rep Fac: Yes	Max Web CSI: 0.000
FT/RT:20(0)/10(0)	
Plate Type(s):	
WAVE	VIEW Ver: 21.02.01.1214.13

Defl/CSI Criteria

VERT(LL): NA

PP Deflection in loc L/defl L/#

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL Е 323 /-/179 /56 D 86 /-/47 121 /50 /49 Wind reactions based on MWFRS Brg Wid = 4.0 Min Req = 1.5 (Truss) Brg Wid = 1.5 Min Req = -Brg Wid = 1.5 Min 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;

Wind loads based on MWFRS with additional C&C

Wind Duration: 1.60

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 1-6-14.



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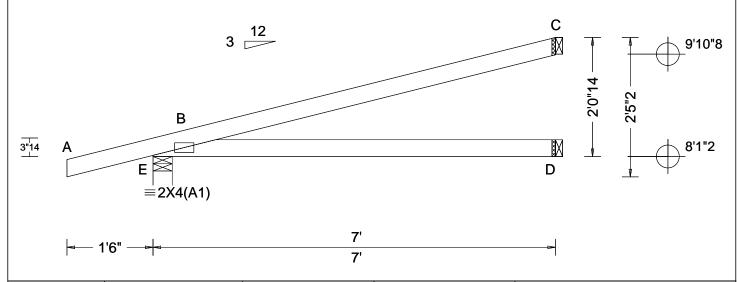
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SEQN: 660551 JACK Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T66 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1609.22900 Truss Label: J10 GA / YK 06/06/2022



Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	O	
TPI Std: 2014	VERT(LL): NA VERT(CL): NA HORZ(LL): 0.015 B HORZ(TL): 0.029 B Creep Factor: 2.0 Max TC CSI: 0.762 Max BC CSI: 0.478	D Brg Wid = 1.5 Min F	Req = 1.5 (Truss) Req = - Req = - e.
	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):	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(CL): NA HORZ(LL): 0.015 B HORZ(TL): 0.029 B Creep Factor: 2.0 Max TC CSI: 0.762 Max BC CSI: 0.478 Max Web CSI: 0.000	Lu: NA Cs: NA

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

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



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

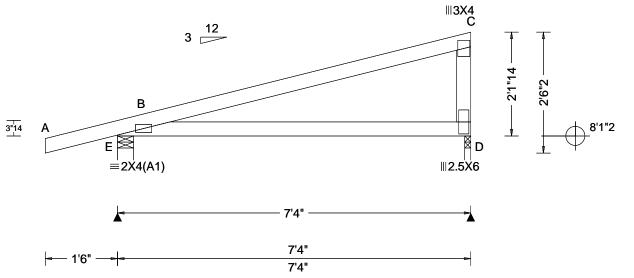
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SEQN: 660592 **EJAC** Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T70 FROM: CDM Qty: 2 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1609.30410 Truss Label: J11 GA / YK 06/06/2022



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): 0.016 B
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.030 B
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.750
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.486
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.345
' -	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL 411 /224 /75 277 /147 /59 Wind reactions based on MWFRS Brg Wid = 4.0 Min Req = 1.5 (Truss) Brg Wid = 1.5 Min Req = 1.5 (Truss) Bearings E & D 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;

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

The overall height of this truss excluding overhang is



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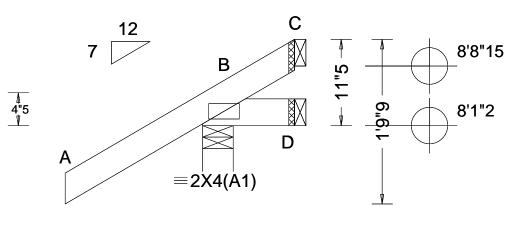
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SEQN: 660663 JACK Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T15 FROM: CDM DrwNo: 157.22.1609.33957 Qty: 5 Lot 14 JL - Rainbolt Res Truss Label: J12 GA / YK 06/06/2022



	1'	
10	1'	

TCLL: 20.00 Wind Std: ASCE 7-16 Pg: NA Pf: NA	Ct: NA CAT: NA PP Deflection in loc L/defl L/#
BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 TCDI: 5 0 psf Risk Category: II Snow Dura EXP: C Kzt: NA Mean Height: 15.00 ft TCDI: 5 0 psf	HORZ(TL): 0.001 B code: Creep Factor: 2.0 d. 2020 Res. Max TC CSI: 0.242 2014 Max BC CSI: 0.038 /es Max Web CSI: 0.000 0)/10(0)

▲ Maxin	num Rea	ıctions (II	os)		
	Gravity		No	on-Gra	vity
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B 257	/-	/-	/207	/62	/44
D 5	/-17	/-	/15	/16	/-
C -	/-55	/-	/35	/55	/-
Wind rea	actions b	ased on N	/WFRS		
B Brg	Wid = 4.	.0 Min F	Req = 1.5	(Trus	s)
D Brg	Wid = 1.	5 Min F	Reg = -	•	•
		5 Min F			
Bearing	B is a rig	id surface	e		
		ed have fo		s than	375#

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

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 0-11-5.



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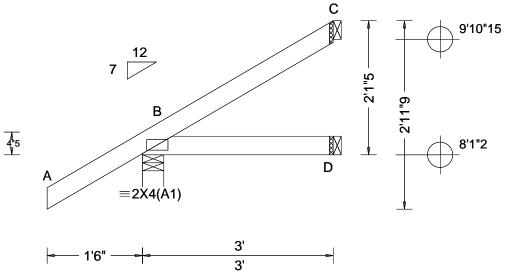
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SEQN: 660665 JACK Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T14 FROM: CDM Qty: 5 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1609.40157 Truss Label: J13 GA / YK 06/06/2022



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		HORZ(TL): 0.001 B
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.187
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.065
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12
Lumber			

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 265 /192 /86 D 50 /-/32 /38 63 /38 Wind reactions based on MWFRS Brg Wid = 4.0 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.

Additional Notes

The overall height of this truss excluding overhang is 2-1-5.



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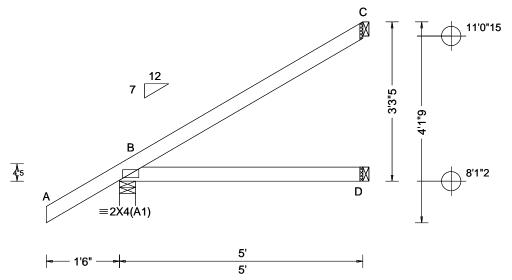
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SEQN: 660667 JACK Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T13 FROM: CDM Qty: 5 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1609.43767 Truss Label: J14 GA / YK 06/06/2022



Defl/CSI Criteria

Loading Criteria (psi)	willa Criteria	Show Criteria (Pg,Prin PSF)	Deli/Coi Cilleria
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): NA
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
DCDL. 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.004 B
Dec 1 4 · 40 00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.008 B
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.327
l	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.237
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12
Lumber			

Snow Criteria (Pa Pf in PSE)

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U В 335 /232 /127 D 90 /-/52 129 /83 Wind reactions based on MWFRS Brg Wid = 4.0 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;

Loading Criteria (nef) Wind Criteria

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

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



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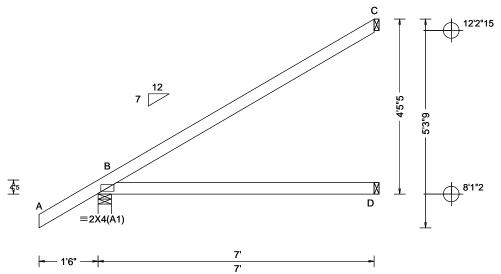
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SEQN: 660669 **EJAC** Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T16 FROM: CDM Qty: 4 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1609.46653 Truss Label: J15 GA / YK 06/06/2022



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): 0.014 B
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.027 B
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.730
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.520
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12
Lumber			

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 412 /279 /168 130 /-/73 /124 190 /103 Wind reactions based on MWFRS Brg Wid = 4.0 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.

Additional Notes

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



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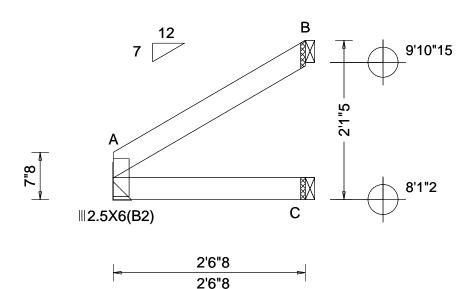
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SEQN: 660571 JACK Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T83 FROM: CDM DrwNo: 157.22.1609.49120 Qty: 1 Lot 14 JL - Rainbolt Res Truss Label: J16 GA / YK 06/06/2022



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/#
	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 B
Dec d- 40.00	EXP: C Kzt: NA		HORZ(TL): 0.002 A
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.120
l	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.066
l <u>.</u>	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
'	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12
1			

A 106 /- /- /66 /2 /55 C 50 /- /- /27 /- /- B 77 /- /- /52 /46 /- Wind reactions based on MWFRS A Brg Wid = - Min Req = - C Brg Wid = 1.5 Min Req = -		G	ravity		No	on-Gra	vity
C 50 /- /- /27 /- /- B 77 /- /- /52 /46 /- Wind reactions based on MWFRS A Brg Wid = - Min Req = - C Brg Wid = 1.5 Min Req = -	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B 77 /- /- /52 /46 /- Wind reactions based on MWFRS A Brg Wid = - Min Req = - C Brg Wid = 1.5 Min Req = -	Α	106	/-	/-	/66	/2	/55
B 77 /- /- /52 /46 /- Wind reactions based on MWFRS A Brg Wid = - Min Req = - C Brg Wid = 1.5 Min Req = -	С	50	/-	/-	/27	/-	/-
A Brg Wid = - Min Req = - C Brg Wid = 1.5 Min Req = -	В	77	/-	/-	/52		/-
C Brg Wid = 1.5 Min Req = -	Win	d read	ctions ba	ased on N	/WFRS		
	Α	Brg V	Vid = -	Min F	Req = -		
B Bra Wid = 1.5 Min Rea = -	С	Brg V	Vid = 1.5	5 Min F	Req = -		
	В	Brg V	Vid = 1.5	5 Min F	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.

Additional Notes

The overall height of this truss excluding overhang is



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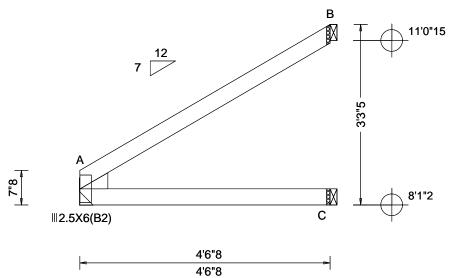
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 660573 JACK Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T80 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1609.52570 Truss Label: J17 GA / YK 06/06/2022



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 A	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.009 A	
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.383	
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.232	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000	
'	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12	
Lumban	·	·	·	

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL Α 189 /118 /96 89 /-/50 /-136 /90 Wind reactions based on MWFRS Brg Wid = -Min Req = -Brg Wid = 1.5 Brg Wid = 1.5 Min Req = -Min Req = -Members not listed have forces less than 375#

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is



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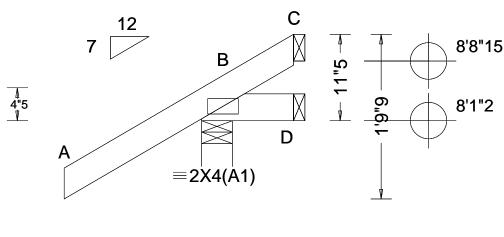
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SEQN: 660503 **EJAC** Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T19 FROM: CDM Qty: 15 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1609.55217 Truss Label: J18 GA / YK 06/06/2022



	حا	1'	_
10		1'	

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 B
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.001 B
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.242
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.038
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12
Lumber	·	·	·

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 257 /-/207 /44 D /-17 /-/15 /16 /-5 /-/-55 /35 /55 Wind reactions based on MWFRS Brg Wid = 4.0 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.

Additional Notes

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



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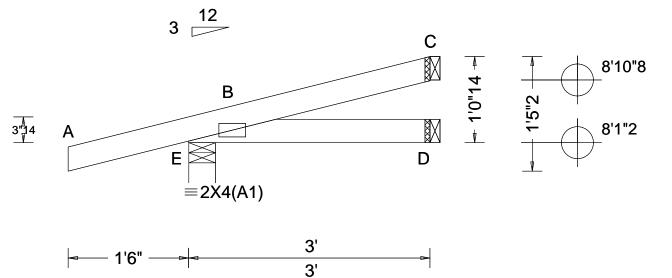
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 660680 JACK Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T53 FROM: CDM DrwNo: 157.22.1610.22560 Qty: 2 Lot 14 JL - Rainbolt Res Truss Label: J20 GA / YK 06/06/2022



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		HORZ(TL): 0.001 B
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.147
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.058
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
' "	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12
Lumber	•	•	

	G	ravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
	255		/-	/145	/88	/41
D	46	/-	/-	/26	/-	/-
С	59	/-	/-	/27	/24	/-
Win	d read	ctions b	ased on N	/WFRS		
E	Brg V	Vid = 4.	.0 Min F	Req = 1.5	(Trus	s)
D	Brg V	Vid = 1.	5 Min F	Req = -		-
С	Brg V	Vid = 1.	.5 Min F	Req = -		
Bea	ıring E	is a rig	id surface). •		
Mer	nbers	not list	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.

Additional Notes

The overall height of this truss excluding overhang is 1-0-14.



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

SEQN: 660682 JACK Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T52 FROM: CDM Qty: 2 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1610.25487 Truss Label: J21 GA / YK 06/06/2022 C 9'4"8 В D \equiv 2X4(A1)



Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft	Sn Pg: Pf: Lu: Snd Bui FB: TP Re FT/
	Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	FT. Pla

Snow Criteria (Pg,Pf in PSF)			Defl/CSI Criteria			
Pg: NA C	t: NA	CAT: NA	PP Deflection in loc L/defl L/#			
Pf: NA		Ce: NA	VERT(LL): NA			
Lu: NA C	S: NA		VERT(CL): NA			
Snow Durati	ion: NA		HORZ(LL): 0.005 B			
			HORZ(TL): 0.009 B			
Building Cod	de:		Creep Factor: 2.0			
FBC 7th Ed	2020 R	265	May TC CSI: 0.278			

now Duration: NA	HORZ(LL): 0.005 B -
	HORZ(TL): 0.009 B -
uilding Code:	Creep Factor: 2.0
BC 7th Ed. 2020 Res.	Max TC CSI: 0.278
PI Std: 2014	Max BC CSI: 0.212
ep Fac: Yes	Max Web CSI: 0.000
T/RT:20(0)/10(0)	
late Type(s):	
/AVE	VIEW Ver: 21.02.01.1214.12

▲ Maximum Reactions (lbs)

	G	avity		Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
E	323	/-	/-	/179	/88	/56	
D	86	/-	/-	/47	/-	/-	
С	121	/-	/-	/50	/49	/-	
Wir	nd read	ctions b	ased on N	/WFRS			
Е	Brg V	Vid = 4	.0 Min F	Req = 1.5	(Trus	s)	
П	Bra V	Vid _ 1	5 Min E	oa –	•	•	

Brg Wid = 1.5 Min Req = -Bearing E is a rigid surface.

Members not listed have forces less than 375#

Lumber

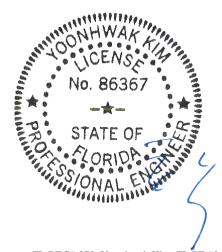
Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 1-6-14.



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FROM: CDM Qty: 6 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1610.33127 Truss Label: J22 GA / YK 06/06/2022 **|||2X4** В 3'∤4 8'1"2 D **≡2X4(A1) ∥2X4** 5'10"8 - 1'6" -5'10"8 ▲ Maximum Reactions (lbs)

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.007 B -
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 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): 0.014 B Creep Factor: 2.0 Max TC CSI: 0.385 Max BC CSI: 0.292 Max Web CSI: 0.143
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12
Lumbor			

Job Number: 22-7841

Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL 355 /195 /63 216 /-/116 /46 /-Wind reactions based on MWFRS Brg Wid = 4.0 Min Req = 1.5 (Truss) Brg Wid = 1.5 Min Req = -Bearing E is a rigid surface. Members not listed have forces less than 375#

Cust: R 215 JRef: 1XG62150001 T74

SEQN: 660684

EJAC

Ply: 1

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

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

The overall height of this truss excluding overhang is



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

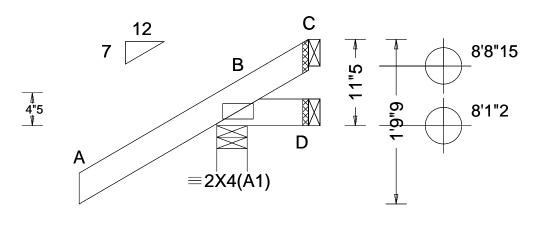
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 660475 JACK Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T8 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1610.35620 Truss Label: J23 GA / YK 06/06/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 B
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 B
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.243
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.038
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
'	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12
Louis			

1'6"

	Gr	avity	•	N	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
в :	257	/-	/-	/208	/62	/44
D :	5	/-17	/-	/15	/16	/-
С.	-	/-56	/-	/35	/55	/-
Wine	d react	ions ba	sed on M	IWFRS		
В	Brg W	id = 4.0	Min R	eq = 1.5	(Trus	s)
D	Brg W	id = 1.5	Min R	eq = -	•	•
С	Brg W	id = 1.5	Min R	eq = -		
Bear	ring B	is a rigid	d surface			
Mon	nbers r	not liste	d have fo	rces les	s than	375#

Lumber

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

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



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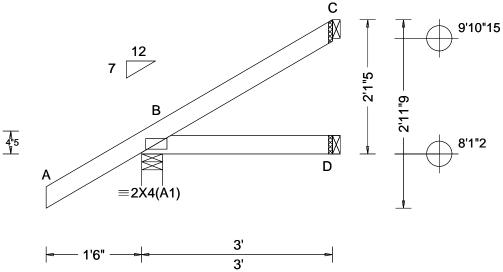
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SEQN: 660479 JACK Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T7 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1610.55317 Truss Label: J24 GA / YK 06/06/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA	PP Deflection in loc L/defl L/# VERT(LL): NA
BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00	Risk Category: II EXP: C Kzt: NA	Lu: NA Cs: NA Snow Duration: NA	VERT(CL): NA HORZ(LL): 0.001 B HORZ(TL): 0.001 B
NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes	Creep Factor: 2.0 Max TC CSI: 0.187 Max BC CSI: 0.065 Max Web CSI: 0.000
Lumber	Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	FT/RT:20(0)/10(0) Plate Type(s): WAVE	VIEW Ver: 21.02.01.1214.12

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 265 /192 /86 D 50 /-/32 63 /38 /38 Wind reactions based on MWFRS Brg Wid = 4.0 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#

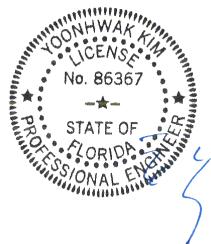
Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is



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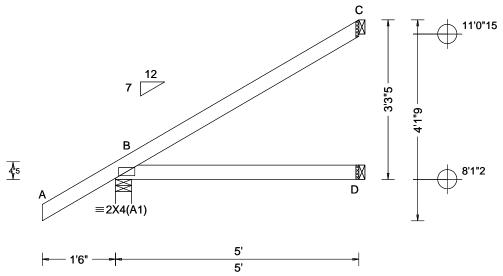
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SEQN: 660483 JACK Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T6 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1610.58067 Truss Label: J25 GA / YK 06/06/2022



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: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.328
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	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 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12
Lumber	•		

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 335 /232 /127 D 90 /-/52 129 /83 Wind reactions based on MWFRS Brg Wid = 4.0 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.

Additional Notes

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



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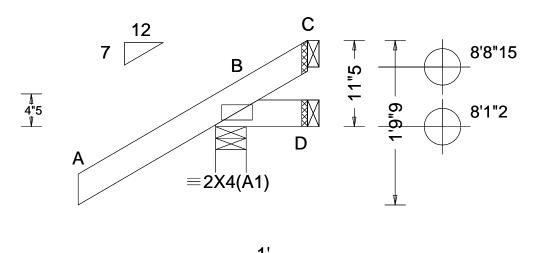
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 660477 JACK Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T11 FROM: CDM DrwNo: 157.22.1611.02033 Qty: 1 Lot 14 JL - Rainbolt Res Truss Label: J26 GA / YK 06/06/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0)	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 B HORZ(TL): 0.001 B Creep Factor: 2.0 Max TC CSI: 0.242 Max BC CSI: 0.038 Max Web CSI: 0.000	
Lumber	GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): WAVE	VIEW Ver: 21.02.01.1214.12	

		Gravity	ctions (II	•	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
	257		/-	/207	/62	/44
D	5	/-17		/15	/16	/-
С	-	/-55	/-	/35	/54	/-
Wir	nd read	ctions b	ased on N	/WFRS		
В	Brg V	Vid = 4.	0 Min F	Req = 1.5	(Trus	s)
D	Brg V	Vid = 1.	5 Min F	Req = -		-
			5 Min F			
Bea	ring B	is a rig	id surface).		
Mei	mbers	not liste	ed have fo	rces les	s than	375#

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367 Flood 07 (2021) ficate of Product Approval #FL 1999

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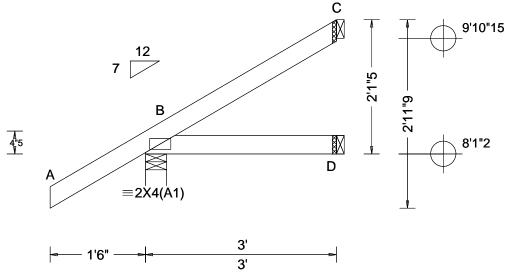
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 660481 JACK Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T10 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1611.04713 Truss Label: J27 GA / YK 06/06/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 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	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0)	DefI/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 B HORZ(TL): 0.001 B Creep Factor: 2.0 Max TC CSI: 0.187 Max BC CSI: 0.065 Max Web CSI: 0.000
Lumber	GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): WAVE	VIEW Ver: 21.02.01.1214.12

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 265 /192 /86 D 50 /-/32 /38 63 /38 Wind reactions based on MWFRS Brg Wid = 4.0 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#

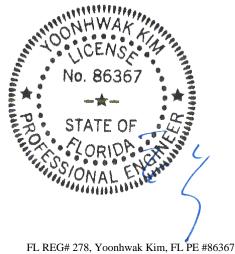
Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 2-1-5.



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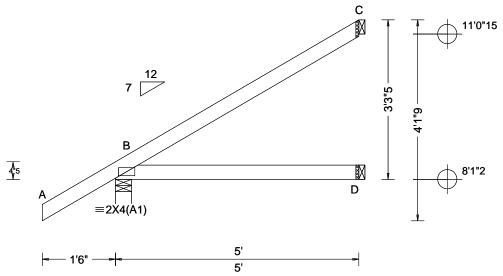
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SEQN: 660485 JACK Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T9 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1611.09440 Truss Label: J28 GA / YK 06/06/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 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): NA VERT(CL): NA HORZ(LL): 0.004 B HORZ(TL): 0.008 B Creep Factor: 2.0 Max TC CSI: 0.328 Max BC CSI: 0.238 Max Web CSI: 0.000	
Lumber		1447.44.2	<u> </u>	J

	um Rea Gravity	ections (II		on-Gra	vitv
Loc R+	•	/ Rh	/ Rw		/RL
B 335	/-	/-	/232	/34	/127
D 90	/-	/-	/52	/-	/-
C 129	/-	/-	/83	/71	/-
Wind rea	ctions b	ased on N	/WFRS		
B Brg \	Nid = 4	.0 Min F	Req = 1.5	(Trus	s)
D Brg \	Nid = 1	.5 Min F	Req = -	•	•
C Brg \	Nid = 1	.5 Min F	Req = -		
Bearing I	3 is a rig	id surface	e		
Members	not list	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.

Additional Notes

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



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

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

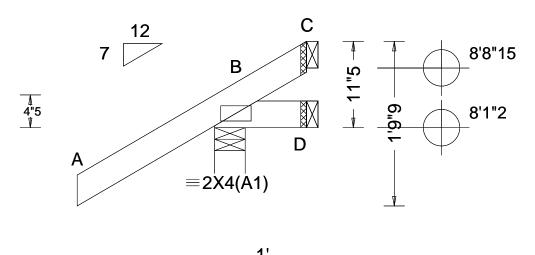
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SEQN: 660417 JACK Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T41 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1611.11600 Truss Label: J29 GA / YK 06/06/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
Continue	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any	Pg: NA Ct: NA CAT: NA Pf: NA Cs: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0)	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 B HORZ(TL): 0.001 B Creep Factor: 2.0 Max TC CSI: 0.242 Max BC CSI: 0.038 Max Web CSI: 0.000	
	GCpi: 0.18	Plate Type(s):		١,
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12	1
Lumber	•	•	•	•

1'6"

		ravity	ctions (II	•	on-Gra	vitv
Loc	R+		/ Rh		/ U	/ RL
В	257	/-	/-	/207	/62	/44
D	5	/-17	/-	/15	/16	/-
С	-	/-55	/-	/35	/54	/-
Wir	nd read	ctions ba	ased on N	/WFRS		
В	Brg V	Vid = 4.0	0 Min F	Req = 1.5	(Trus	s)
D	Brg V	Vid = 1.	5 Min F	. = eq	•	•
С	Brg V	Vid = 1.5	5 Min F	?eq = -		
Bea	ring B	is a rigi	id surface).).		
Mei	mbers	not liste	ed have fo	rces les	s than	375#

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

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



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

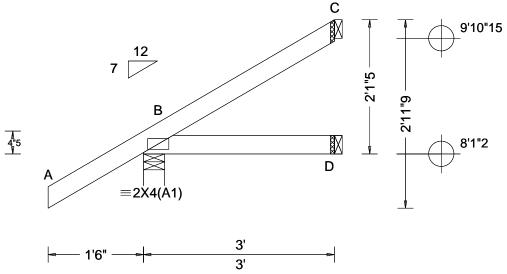
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SEQN: 660421 JACK Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T40 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1611.18060 Truss Label: J30 GA / YK 06/06/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 B
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 B
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.187
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.065
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12
Lumber			

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 265 /192 /86 D 50 /-/32 /38 63 /38 Wind reactions based on MWFRS Brg Wid = 4.0 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.

Additional Notes

The overall height of this truss excluding overhang is



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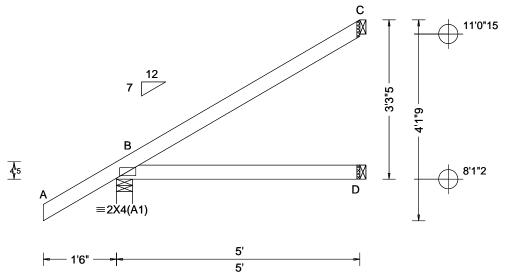
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SEQN: 660425 JACK Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T39 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1611.20193 Truss Label: J31 GA / YK 06/06/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
Coding Criteria (pst) TCLL:	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Cs: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.004 B HORZ(TL): 0.008 B Creep Factor: 2.0 Max TC CSI: 0.328 Max BC CSI: 0.238 Max Web CSI: 0.000
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12
Lumber			

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U В 335 /232 /127 D 90 /-/52 129 /83 Wind reactions based on MWFRS Brg Wid = 4.0 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.

Additional Notes

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



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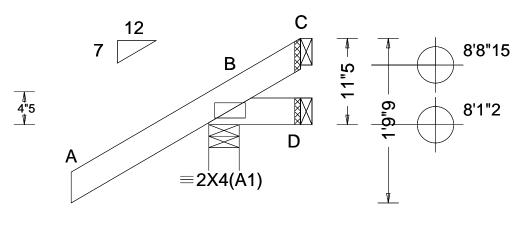
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SEQN: 660415 JACK Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T44 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1611.29757 Truss Label: J32 GA / YK 06/06/2022



1'6" -	1'	
10	1'	

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 B
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.001 B
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.243
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.038
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12
Lumber	•	•	

	G	ravity		No	on-Gra	vity
Loc	: R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В		/-	/-	/208	/62	/44
D	5	/-17	/-	/15	/16	/-
С	-	/-56	/-	/35	/55	/-
Wir	nd read	ctions b	ased on N	/WFRS		
В	Brg V	Vid = 4.	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 = -		
Bea	aring B	is a rig	id surface).		
Mei	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.

Additional Notes

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



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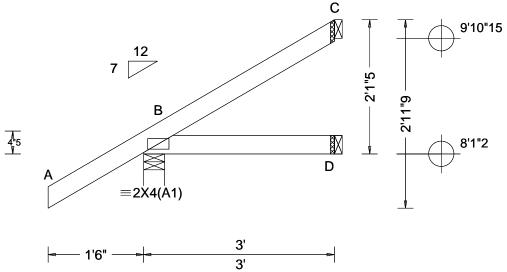
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SEQN: 660419 JACK Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T43 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1611.32407 Truss Label: J33 GA / YK 06/06/2022



Defl/CSI Criteria

Loading Criteria (psi)	Willia Criteria	Show Criteria (Pg,Pi in PSF)	Deli/Coi Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 B
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.001 B
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.187
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.065
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12
Lumber			

Snow Criteria (Pa Pf in PSE)

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 265 /192 /86 D 50 /-/32 /38 63 /38 Wind reactions based on MWFRS Brg Wid = 4.0 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;

Loading Criteria (nef) Wind Criteria

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 2-1-5.



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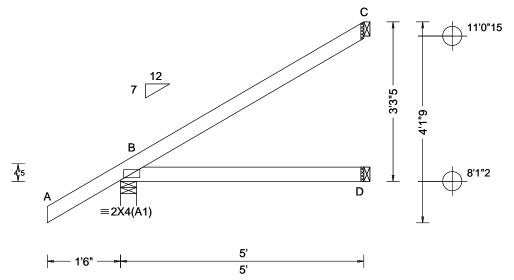
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SEQN: 660423 JACK Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T42 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1611.34853 Truss Label: J34 GA / YK 06/06/2022



Defl/CSI Criteria

Luaumy Cinterna (psi)	Willia Ciliteria	SHOW CITIENTA (FG,FI III FSF)	Deli/Col Ciliteria
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: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.328
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	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 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12
Lumber	•	•	

Snow Criteria (Pa Pf in PSE)

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U В 335 /232 /127 D 90 /-/52 129 /83 Wind reactions based on MWFRS Brg Wid = 4.0 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;

Loading Criteria (nef) Wind Criteria

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

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



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

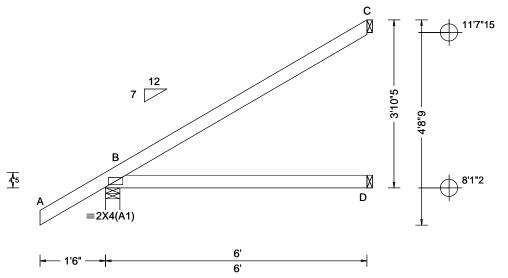
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SEQN: 660675 **EJAC** Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T38 FROM: CDM Qty: 16 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1611.40370 Truss Label: J35 GA / YK 06/06/2022



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): 0.008 B
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 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): 0.016 B Creep Factor: 2.0 Max TC CSI: 0.504 Max BC CSI: 0.365 Max Web CSI: 0.000
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 373 /255 /147 110 /-/62 /104 160 Wind reactions based on MWFRS Brg Wid = 4.0 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.

Additional Notes

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



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

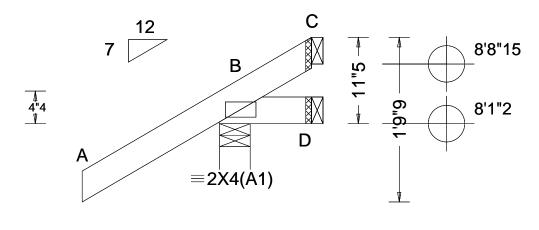
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

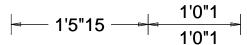
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 660401 JACK Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T33 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1611.43333 Truss Label: J36 GA / YK 06/06/2022





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: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.240
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: 0.000
' '	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12
Lumber	•	•	

▲ M	axim	um Rea	ctions (I	bs)		
	G	avity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В		/-	/-	/176	/52	/44
D	8	/-10	/-	/16	/13	/-
С	-	/-24	/-	/25	/32	/-
Win	d read	ctions ba	ased on I	MWFRS		
В	Brg V	Vid = 4.	0 Min f	Req = 1.5	(Trus	s)
D	Brg V	Vid = 1.	5 Min f	Reg = -	•	•
			5 Min f			
			id surface			
	_	_		orces less	s than	375#

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

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



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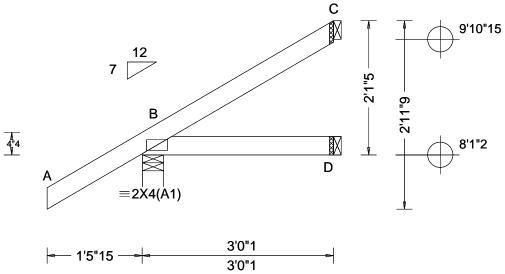
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SEQN: 660407 JACK Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T32 FROM: CDM DrwNo: 157.22.1611.46270 Qty: 1 Lot 14 JL - Rainbolt Res Truss Label: J37 GA / YK 06/06/2022



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		HORZ(TL): 0.002 B
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.186
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.074
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12
Lumber			

	Gravity	actions (II		on-Gra	vity
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B 252	/-	/-	/182	/33	/86
D 53	/-	/-	/34	/-	/-
C 71	/-	/-	/44	/40	/-
Wind re	actions b	ased on N	/WFRS		
B Brg	Wid = 4	.0 Min F	Req = 1.5	(Trus	s)
D Brg	Wid = 1	.5 Min F	Req = -	•	•
C Brg	Wid = 1	.5 Min F	Req = -		
Bearing	B is a rig	gid surface	e		
Membei	s not list	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.

Additional Notes

The overall height of this truss excluding overhang is



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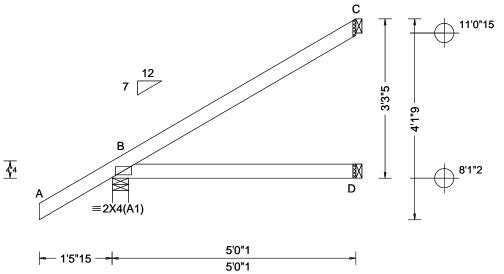
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SEQN: 660411 JACK Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T31 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1611.50130 Truss Label: J38 GA / YK 06/06/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 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	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):	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.006 B HORZ(TL): 0.011 B Creep Factor: 2.0 Max TC CSI: 0.344 Max BC CSI: 0.253 Max Web CSI: 0.000
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12
Lumber			

	G	ravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
	325		/-	/225	/32	/127
D	93	/-	/-	/54	/-	/-
С	134	/-	/-	/87	/72	/-
Win	d read	ctions b	ased on N	/WFRS		
В	Brg V	Vid = 4.	0 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	ring B	is a rig	id surface).		
Mer	nbers	not list	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.

Additional Notes

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



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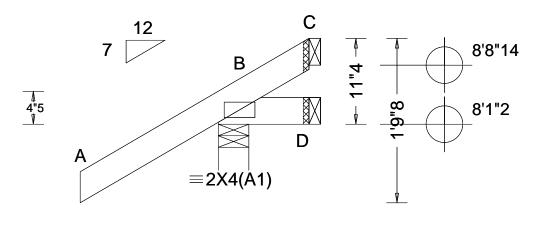
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SEQN: 660403 JACK Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T36 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1611.52443 Truss Label: J39 GA / YK 06/06/2022





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 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: 0.243 Max BC CSI: 0.038 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12
Lumbor			

		ravity	ctions (II	•	on-Gra	vitv
	•				•	
Loc	K+	/ R-	/ Rh	/ Rw	/ U	/ RL
В :	259	/-	/-	/209	/63	/44
D 4	4	/-17	/-	/15	/16	/-
C .	_	/-57	/-	/35	/56	/-
Wine	d reac	tions ba	ased on N	/WFRS		
В	Brg W	/id = 4.0) Min F	Req = 1.5	(Trus	s)
D	Brg W	/id = 1.5	5 Min F	Req = -		
С	Brg W	/id = 1.5	5 Min F	Req = -		
Bear	ring B	is a rigi	d surface).		
Men	bers	not liste	d have fo	rces les	s than	375#

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

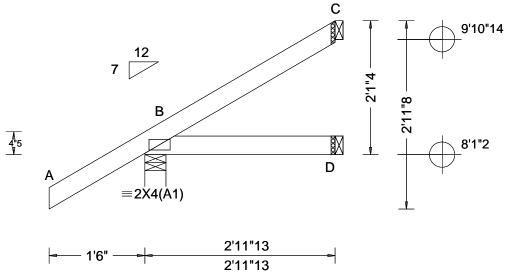
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SEQN: 660405 JACK Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T35 FROM: CDM DrwNo: 157.22.1611.55660 Qty: 1 Lot 14 JL - Rainbolt Res Truss Label: J40 GA / YK 06/06/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 B
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes	HORZ(TL): 0.001 B Creep Factor: 2.0 Max TC CSI: 0.187 Max BC CSI: 0.065 Max Web CSI: 0.000
Spacing. 24.0	Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	FT/RT:20(0)/10(0) Plate Type(s): WAVE	VIEW Ver: 21.02.01.1214.12

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 264 /-/192 /85 D 49 /-/32 /37 63 /38 Wind reactions based on MWFRS Brg Wid = 4.0 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.

Additional Notes

The overall height of this truss excluding overhang is



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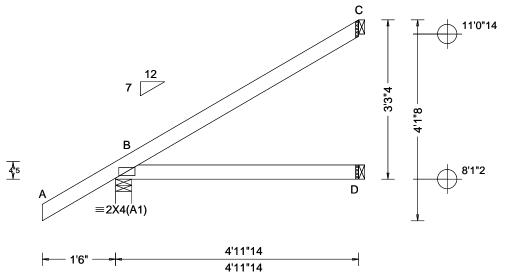
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SEQN: 660409 JACK Ply: 1 Job Number: 22-7841 Cust: R 215 JRef: 1XG62150001 T34 FROM: CDM Qty: 1 Lot 14 JL - Rainbolt Res DrwNo: 157.22.1611.59443 Truss Label: J41 GA / YK 06/06/2022



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): 0.004 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: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.325
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: 21.02.01.1214.12
Lumber			

▲ Ma		ı m Rea ravity	actions (II		on-Gra	vitv
		•				-
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
в 3	334	/-	/-	/232	/34	/127
D 9	90	/-	/-	/52	/-	/-
C 1	29	/-	/-	/83	/71	/-
Wind	l reac	tions b	ased on N	/WFRS		
ΒΙ	Brg W	/id = 4	.0 Min F	Req = 1.5	(Trus	s)
D I	Brg W	/id = 1	.5 Min F	Req = -		•
C I	Brg W	/id = 1	.5 Min F	?eq = -		
Bear	ing B	is a rig	gid surface). ·		
Mem	bers i	not list	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.

Additional Notes

The overall height of this truss excluding overhang is 3-3-4.



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Gable Stud Reinforcement Detail

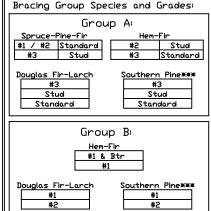
ASCE 7-16: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

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) 2×6 L	Brace *
ے	Spacing	Species	Grade		Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B
章		CDE	#1 / #2	4′ 3″	7′ 3″	7' 7"	8′ 7″	8′ 11″	10′ 3″	10′ 8 ″	13′ 6″	14′ 0″	14' 0"	14′ 0″
b	. ;	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"	Ų	HF	Stud	4′ 1″	6′ 7 ″	7′ 0 ″	8′ 6 ″	8′ 10 ″	10′ 1″	10′ 6″	13′ 4″	13′ 10 ″	14′ 0″	14′ 0″
>	lo	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 م			#1	4′ 6″	7′ 4″	7′ 8″	8′ 8″	9′ 0″	10′ 4″	10′ 9 ″	13′ 8″	14′ 0″	14′ 0″	14′ 0″
$ \bot $	*	SP	#2	4′ 3″	7′ 3″	7′ 7″	8′ 7 ″	8′ 11″	10′ 3″	10′ 8″	13′ 6″	14' 0"	14′ 0″	14′ 0″
	4	l	#3	4′ 2″	6′ 0″	6′ 4″	7′ 11″	8′ 6 ″	10′ 2″	10′ 7″	12′ 5 ″	13′ 4″	14′ 0″	14′ 0″
g	N	IDFL	Stud	4′ 2″	6′ 0″	6′ 4″	7′ 11″	8′ 6 ″	10′ 2″	10′ 7″	12′ 5 ″	13′ 4″	14′ 0″	14′ 0″
1 8			Standard	4′ 0″	5′ 3 ″	5′ 7 ″	7′ 0 ″	7′ 6″	9′ 6″	10′ 2″	11′ 0″	11′ 10″	14' 0"	14′ 0″
1.5		SPF	#1 / #2	4′ 11″	8′ 4″	8′ 8 ″	9′ 10″	10′ 3″	11′ 8″	12′ 2″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
+>	l . -	12LL	#3	4′ 8″	8′ 1 ″	8′ 8 ″	9′ 8″	10′ 1″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
(U	HF	Stud	4′ 8″	8′ 1″	8′ 6″	9′ 8″	10′ 1″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
امَ	Ō	1 11	Standard	4′ 8 ″	6′ 11″	7′ 5 ′	9′ 3″	9′ 11″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
🖑			#1	5′ 1 ″	8′ 5 ″	8′ 9 ″	9′ 11″	10′ 4″	11′ 10″	12′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
>		SP	#2	4′ 11″	8′ 4″	8′ 8″	9′ 10″	10′ 3″	11′ 8″	12′ 2 ″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	Ú.	L	#3	4′ 9″	7′ 4″	7′ 9″	9′ 9″	10′ 2″	11′ 8″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
lω	 	IDFL	Stud	4′ 9″	7′ 4″	7′ 9 ″	9′ 9″	10′ 2″	11′ 8″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
l ≍			Standard	4′ 8″	6′ 5 ″	6′ 10 ″	8′ 7 ″	9′ 2 ′	11′ 7″	12′ 1″	13′ 6″	14′ 0″	14′ 0″	14′ 0″
2		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	l . .		#3	5′ 1 ″	9′ 0″	9′ 4″	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
0	U	HF	Stud	5′ 1 ″	9′ 0″	9′ 4″	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	Ō	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″
$\mid \times \mid$			#1	5′ 8 ″	9′ 3″	9′ 8″	10′ 11″	11′ 4″	13′ 0″	13′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
0		SP	#2	5′ 5″	9′ 2″	9′ 6″	10′ 10″	11′ 3″	12′ 11″	13′ 5″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
ĬΞ	ù		#3	5′ 3″	8′ 5″	9′ 0″	10′ 9″	11′ 2″	12′ 10″	13′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	<u> </u>	DFL	Stud	5′ 3 ″	8′ 5 ″	9′ 0″	10′ 9″	11′ 2″	12′ 10″	13′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
			Standard	5′ 1 ″	7′ 5″	7′ 11″	9′ 11″	10′ 7″	12′ 9 ″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″



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

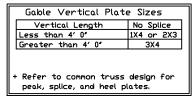
Gable Truss Detail Notes: Wind Load deflection criterion is L/240.

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

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

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

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



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

> |DATE 01/26/2018

ASCE7-16-GAB14015

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. Constitutions Bearing Connect diagonal at Refer to chart above son midpoint of vertical web.

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

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For more information see this job's general notes page and these web sites (77,202)
ALPINE: www.alpineitw.com; TPI: www.tpinstorg; SBCA: www.sbcacomponents.com; ICC: www.ccsafe.org 278. Yoonhwak Kim, FL PE #86367

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

Refer to drawings 160A-Z for standard plate positions. Alpine, a division of ITV 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 & bracing of trusses.

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155 Harlem Ave

North Building, 4th Floor

Glenview, IL 60025

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

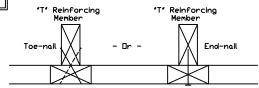
A11515ENC100118, A12015ENC100118, A14015ENC100118, A1403ENC100118

A18015ENC100118, A12015ENC100118, A12015ENC100118, A12015ENC100118, A120015ENC100118, A120015ENC100118, A120015ENC100118, A120015ENC100118, A12003ENC100118, A12003ENC100118, A120030ENC100118, \$18015ENC100118, \$20015ENC100118, \$20015END100118, \$20015PED100118

\$11530ENC100118, \$12030ENC100118, \$14030ENC100118, \$18030ENC100118) \$18030ENC100118, \$20030ENC100118, \$20030END100118, \$20030PED100118

See appropriate Alpine gable detail for maximum unreinforced gable vertical

"T" Reinforcement Attachment Detail



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

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

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

Web Length Increase w/ "T" Brace

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

Example:

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

"T" Reinforcing Member Size = 2x4

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

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

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For more information see this job's general notes page and these web sites 77/2022 ALPINE: www.alpineitw.com, TPI: www.tpinst.org, SBCA: www.sbcacomponents.com, ICC: www.sbcacom

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

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

MAX. SPACING 24.0"



Rigid Sheathing

Ceiling

4 Nails

Nails

Spaced At

4 Nails

Reinforcing

Member

Gable

Truss

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

onbwak Kim EL PE #86367

STRONGBACK BRIDGING RECOMMENDATIONS ► All scab-on blocks shall be a minimum 2x4 BUTT STRONGBACK "stress graded lumber." BRIDGING TOGETHER ► All strongback bridging and bracing shall be a minimum 2x6 "stress graded lumber." ► The purpose of strongback bridging is to develop load sharing between individual trusses, ATTACH SCAB WITH 10d BOX/GUN 4' -0" 2×6 (0.128"x3.0") NAILS IN 2 ROWS AT resulting in an overall increase in the stiffness of the floor system. 2x6 NOTE: IN LIEU OF SPLICING AS SHOWN. LAP STRONGBACK BRIDGING MEMBERS strongback bridging, positioned as shown in FOR AT LEAST ONE TRUSS SPACING details, is recommended at 10' -0" o.c. (max.) STRONGBACK BRIDGING SPLICE DETAIL NOTE: Details 1 and 2 are the preferred attachment methods The terms "bridging" and "bracing" are sometimes mistakenly used interchangeably. "Bracing" is an ATTACH STRONGBACK TO WEB W/ (3) 10d COMMONimportant structural requirement of any floor (0.148"x3") NAILS DR or roof system. Refer to the Truss Design (4) 10d BDX/GUN 70-128"x3.0") NAILS Drawing (TDD) for the bracing requirements for each individual truss component. "Bridging," particularly "strongback bridging" is a recommendation for a truss system to help control vibration. In addition to aiding in the distribution of point loads between adjacent truss, strongback bridging serves to reduce "bounce" or residual vibration resulting from STRONGBACK BRIDGING moving point loads, such as footsteps. SPACING REQUIREMENTS Up to 10' None required 10' to 20' 1 row (at center of span) The performance of all floor systems are 20' to 30' 2 rows (1 at each 1/3 points) (2) 10d CDMMDN (0.148"x3.0") DR enhanced by the installation of strongback BOX/GUN (0.128"x3.0") NAILS AT 2×6 (MINIMUM) STRONGBACK 30' to 40' 3 rows (1 at each 1/4 points) bridging and therefore is strongly recommended TOP AND BOTTOM OF 2x4 RESTRAINED AT EACH END. Over 40' Space rows at 10' o.c. points) SCAB-ON BLOCK, ATTACH by Alpine. STRONGBACK TO BLOCK W/ (3) 10d COMMON (0.148"x3.0") NAILS For additional information regarding strongback DR (4)10d BDX/GUN (0.128"x3.0") \mathfrak{I} bridging, refer to BCSI (Building Component Safety Information). ATTACH REGISACK TO BOTTOM CHORD WITH (2) #10 - 3' SCREWS STRONGBACK BRIDGING ATTACHMENT ALTERNATIVES ***VARNING*** READ AND FOLLOW ALL NOTES ON THIS DRAWING ***IMPORTANT*** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS. and SSS/ONAL **PSF IREF** STRONGBACK Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Bullaing 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 botton chord shall have a properly attached rigid celling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 150A-Z for standard plate position; TO DL **PSF** DATE 10/01/14 BC DL DRWG STRBRIBR1014 BC LL **PSF** ANITW COMPANY Adpine, a division of ITV 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, in the standard process of the season of the TOT. LD. **PSF** 155 Harlem Ave DUR. FAC. 1.00

SPACING

wolc Kim. FL DE #8626

North Building, 4th Floor

Glenview, IL 60025

System 42 Ply to Ply Connection Detail

Using GRK (RSS) JTS 1/4x6-3/4 or Simpson SDS25600 or SDW22634 Strong Drive Screws or Equal.

Refer to Alpine sealed drawing for individual truss design.

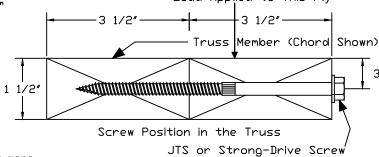
Max. Concentrated Load per Chart Below Top Chord Screw Location dditional Web Screw Location

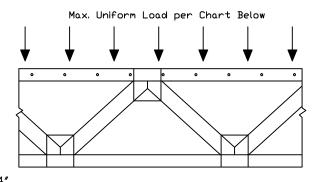
Apply screws to top chord within 12" of the concentrated load location @ 4" o.c., min, evenly distributing them to each side of the concentrated load. A maximum of 6 screws may be applied to the top chord for each concentrated load.

For double top chords, evenly distribute the screws over both top chords, using same spacing guidelines specified above. The max number of top chord screws is 6 per chord member for a total maximum of 12 screws.

If the concentrated load connection requires more screws than 6 per top chord member and the load is located at a panel point where webs intersect the top chord, the remainder of required screws may be applied to those webs below the concentrated load location evenly spaced @ 4" o.c., min, keeping the 3" min end distances. Each additional screw is worth 474 lb for SP webs, 442 lb for DFL webs, and 400 lb for SPF webs.

Load Applied to This Ply ·3 1/2"——





For single top chord, see chart below for screw spacing. For double top chord the screw spacing may be doubled (but may not exceed 24" o.c. per chord). Screw spacing shall be offset by 1/2 the o.c. spacing in each chord

Screws need only apply to the extents of that load.

For chord sections supporting less than 100 plf apply one screw at each top chord joint location.

# of	Maximum Concentrated		
Screws	Load (lbs) (1.00 DF)		
	SP	DFL	SPF
1	474	442	400
2	984	884	800
3	1422	1326	1200
4	1896	1768	1600
5	2370	2210	2000
6	2844	2652	2400
7	3318	3094	2800
8	3792	3536	3200
9	4266	3978	3600
10	4740	4420	4000
11	5214	4862	4400
12	5688	5304	4800

General Notes:

- 1. Screws centered along the 1.5" dimension of the 4x2 member.
- 2. Minimum end distance of 3".
- 3. Screws installed with head in loaded member.
- 4. Gap between plies not to exceed 1/8".
- 5. Screw location may be adjusted up to 1' to avoid conflict. with other hardware or to avoid lumber defeats.

 6. Do not install screws in areas where lumber wave exceeds 1/4...
- 7. Equal loads from both faces or loads that are evenly 0 distributed to each ply do not require connections per this detail.
- 8. For 3x2 members use GRK (RSS) JTS 1/2x5 screws or 6 mason's SDS25412 or SDW22500 screws or equal **
- 9. Contact Alpine for special connections not covered by this detail.

Top Chord Screw o.c. Spacing (inch)		Uniform Lop Chord	
	SP	DFL	SPF
4	1422	1326	1200
6	948	884	800
8	711	663	600
10	568	530	480
12	474	442	400
14	406	378	342
16	355	331	300
18	316	294	266
20	284	265	240
22	258	241	218
. 24	237	221	200
	•		



155 Harlem Ave North Building, 4th Floor

Glenview, IL 60025

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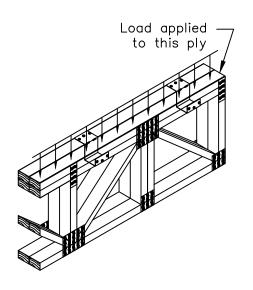
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278 Yoonhwak Kim. FL PE #86367

JC LL	PSF	REF SY42 Connection
TC LL TC DL BC DL	PSF	DATE 01/19/2018
BC DL	PSF	DRWG CNSY42PL0118
BC LL	PSF	
7 от. Ld. —	PSF	
DUR. FAC.	1.00	
SPACING	-	

SY32/SY42 PLY TO PLY LSC CONNECTION DETAIL FOR DOWNWARD LOADS ONLY

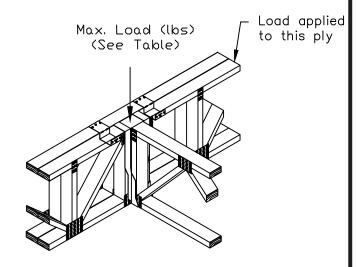
Uniform Load Application



Max. T.C. Uniform Load (plf)			Clip Spacing Along	
SP	DF	SPF/HF	Top Chord	
935	810	585	12 " o.c.	
625	540	390	18 " o.c.	
470	405	295	24 " o.c.	
375	325	235	30° o.c.	

Maximum LSC spacing is 30" o.c.

Concentrated Load Application



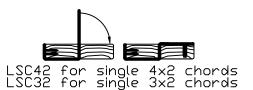
Max Load (lbs)		
SP	DF	SPF/HF
1870	1620	1170

Note:

Install LSC adjacent, equidistant, and not more than 6" on each No. 8 side of concentrated logo

Installation Instructions:

- 1. Position and attach LSC to loaded ply with (3) 0.131"x1.5" nails into narrow face.
- 2. Bend clip over adjacent ply and attach with (3) $0.131' \times 1.5''$ nails into wide face.







LSC42-2 for stacked 4x2 chords LSC32-2 for stacked 3x2 chords

Refer to Alpine sealed drawing for individ

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REF SY42 Connection DATE 10/01/14 DRWG LSCSYX2A1014 DUR. FAC. ALL