

Truss to Truss Connectors: (26) LUS26 (6) LUS28 (4) HUS26

ROOF PITCH: 8/12
OVERHANG: 18"
CEILING: 9', 10 w/Vault
EXT. WALLS: 4"
LOADING: 40psf
WIND LOAD: 130mph
EXPOSURE: C
DATE: 2/14/23

W.B. Howland Truss Co. 610 11th St. SW Live Day 12064 (386) 362-1235 (386) 362-7124 (Fax) howlandtruss@gmail.com

JOB NO: 24-0616 PAGE NO: 1 OF 1

Job Name: Bell Res. Customer: Contractor Designer: Kelly Caudill ADDRESS: 295 Sugar Cane Salesman: Fill in later : 02-19-2024 JOB #: 24-0616





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COA #0 278
Florida Certificate of Product Approval #F1 1999 d in

Reviewed

Compliance

02/16/2024

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

Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 24-0616
Job Description: Bell Res.	

Job Engineering Criteria:				
Design Code: FBC 8th Ed. 2023 Res. HVHZ	IntelliVIEW Version: 23.02.04 JRef #: 1XXd2150008			
Wind Standard: ASCE 7-22 Wind Speed (mph): 130 Building Type: Closed	Design Loading (psf): 40.00			

This package contains general notes pages, 60 truss drawing(s) and 2 detail(s).

Item	Drawing Number	Truss
1	047.24.0953.54123	A01
3	047.24.0956.39207	A03
5	047.24.0957.54810	C01
7	047.24.0957.59863	C03
9	047.24.0958.58640	D01
11	047.24.0959.01597	D03
13	047.24.0959.04653	D05
15	047.24.0959.07430	D07
17	047.24.0959.10987	D09
19	047.24.0959.13860	D11
21	047.24.0959.17260	D13
23	047.24.0959.21570	D15
25	047.24.0959.54400	G01
27	047.24.1000.00030	G03
29	047.24.1000.04697	G05
31	047.24.1000.08213	G07
33	047.24.1000.11980	G09
35	047.24.1000.15103	G11
37	047.24.1000.20847	HJ01
39	047.24.1000.24923	HJ03
41	047.24.1000.28273	J02
43	047.24.1000.31420	J04
45	047.24.1000.35427	J06
47	047.24.1000.38837	J08
49	047.24.1000.47493	J10

2	047 04 0050 55750	
	047.24.0953.55753	A02
4	047.24.0956.41123	B01
6	047.24.0957.57670	C02
8	047.24.0958.01673	C04
10	047.24.0959.00303	D02
12	047.24.0959,03030	D04
14	047.24.0959.06043	D06
16	047.24.0959.09617	D08
18	047.24.0959.12387	D10
20	047.24.0959.15197	D12
22	047.24.0959.19623	D14
24	047.24.0959.38257	D16
26	047.24.0959.57570	G02
28	047.24.1000.01977	G04
30	047.24.1000.06630	G06
32	047.24.1000.10517	G08
34	047.24.1000.13550	G10
36	047.24.1000.16670	G12
38	047.24.1000.23057	HJ02
40	047.24.1000.26360	J01
42	047.24.1000.29623	J03
44	047.24.1000.33170	J05
46	047.24.1000.37077	J07
48	047.24.1000.40423	109
50	047.24.1000.49390	J11



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COA #0 278 Florida Certificate of Product Approval #FL1999 02/16/2024 Alpine, an ITW Company 155 Harlem Ave North Building, 4th Floor Glenview, IL 60025 Phone: (800)755-6001 www.alpineitw.com

Site Information:	Page 2:
Customer: W. B. Howland Company, Inc.	Job Number: 24-0616
Job Description: Bell Res.	

Item	Drawing Number	Truss
51	047.24.1000.51410	J12
53	047.24.1001.22033	PB02
55	047.24.1001.27020	PB04
57	047.24.1001.31103	PB06
59	047.24.1001.39620	PB08
61	BRCLBSUB0119	

Item	Drawing Number	Truss
52	047.24.1001.18227	PB01
54	047.24.1001.25710	PB03
56	047.24.1001.29113	PB05
58	047.24.1001.33177	PB07
60	047.24.1001.43443	PB09
62	PB160220723	

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.

FRT-PR = ProWood 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 all load cases.

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

Max Web CSI= Maximum bending and axial Combined Stress Index for Webs for 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.

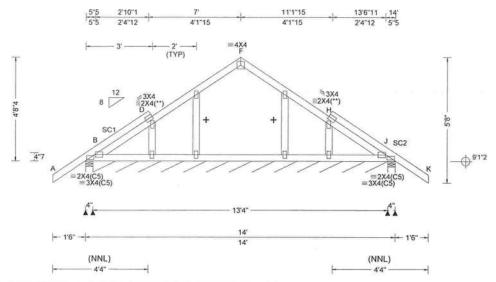
Refer to ASCE-7 for Wind and Seismic abbreviations.

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: 750190 GABL Plv: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.0953.54123 Truss Label: A01 KD / DF 02/16/2024



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 7-22 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): 0.002 F 999 240 VERT(CL): 0.004 F 999 180 HORZ(LL): 0.002 G -
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to C&C Dist a: 3.00 ft Loc. from endwall: Any	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 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.003 G - Creep Factor: 2.0 Max TC CSI: 0.258 Max BC CSI: 0.093 Max Web CSI: 0.628
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R-/Rh /Rw /U /RL В 334 /211 /16 /178 B* 54 /32 /14 334 1-/208 1-/17 Wind reactions based on MWFRS Brg Wid = 4.0 Min Reg = 1.5 (Truss) Brg Wid = 159 Min Reg = Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings B, B, & J are a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Stack Chord: SC1 2x4 SP #2; Stack Chord: SC2 2x4 SP #2;

Plating Notes

All plates are 2X4 except as noted.

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

Loading

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

Wind

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

Wind loading based on both gable and hip roof types. Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/580.

+ Member to be laterally braced for horizontal wind loads, bracing system to be desiged and furnished by others.

Additional Notes

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.

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



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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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

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SEON: 750177 COMN Job Number: 24-0616 Ply: 1 Cust: R 215 JRef: 1XXd2150008 T1 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.0953.55753 Truss Label: A02 KD / DF 02/16/2024 4"7 112X4 ≡2X4(A1) =2X4(A1) - 1'6" --- 1'6" --

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	Wind Stid: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014	PP Deflection in loc L/defl L/# VERT(LL): 0.007 F 999 240 VERT(CL): 0.014 F 999 180 HORZ(LL): 0.005 D HORZ(TL): 0.010 B Creep Factor: 2.0 Max TC CSI: 0.501 Max BC CSI: 0.464	Gravity Loc R+ /R- /Rh /Rw /U /RL B 692 /- /- /439 /117 /182 D 692 /- /- /439 /117 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings B & D are a rigid surface. Members not listed have forces less than 375#
Spacing: 24.0 "	C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Max Web CSI: 0.120 VIEW Ver: 23.02.04.0123.14	Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 286 -684 C - D 287 -684

Lumber

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

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 5-0-7.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B-F 478 -28 F-D 478 -28



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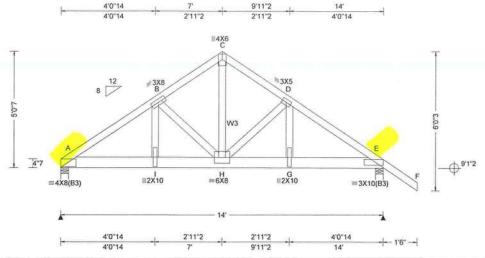
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COMN SEON: 750186 Ply: 2 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 1 Bell Res. DrwNo: 047.24.0956.39207 Truss Label: A03 KD / DF 02/16/2024





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (Ibs	A CONTRACTOR OF THE PARTY OF TH
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.063 H 999 240	Loc R+ /R- /Rh	/Rw /U /I
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.125 H 999 180	A 6012 /- /-	/- /1219 /-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.019 B	E 4203 /- /-	/- /993 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.039 B	Wind reactions based on MV	VFRS
NCBCLL: 0.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0		q = 2.5 (Truss)
Soffit: 2.00	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res. HVHZ	Max TC CSI: 0.427	E Brg Wid = 4.0 Min Red	
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.513	Bearings A & E are a rigid su	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.688	Members not listed have force	
opasing. 2 1.0	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		Maximum Top Chord Force	
	GCpi: 0.18	Plate Type(s):		Chords Tens.Comp. Ch	ords Tens. Co
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14	A - B 823 - 3926 C -	
Lumber				B-C 640 - 2835 D -	·E 830 -3

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

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

Bot Chord: 2 Rows @ 5.00" o.c. (Each Row)

Webs : 1 Row @ 4" o.c.

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

Special Loads

(Lumber	Dur.Fac.=1	.25 / Plate [Dur.Fac.=1.	25)
TC: From	64 plf at	0.00 to	64 plf at	2.73
TC: From	32 plf at	2.73 to	32 plf at	8.73
TC: From	64 plf at	8.73 to	64 plf at	15.50
BC: From	10 plf at	0.00 to	10 plf at	8.73
BC: From	20 plf at	8.73 to	20 plf at	14.00
BC: From	5 plf at	14.00 to	5 plf at	15.50
BC: 1120 lb	Conc. Load	at 0.73	1717-1776 (1750)	
BC: 1721 lb	Conc. Load	at 2.73, 4.	73, 6.73	
BC: 2933 lb	Conc. Load	at 8.73		

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 5-0-7.

= 1.7 (Truss) ace s less than 375# Per Ply (lbs) rds Tens. Comp.

642 - 2839 830 - 3476

/RL

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

					C. C	
A - I	3246	-676	H-G	2834	-673	
I - H	3213	-671	G-E	2852	-678	

Maximum Web Forces Per Ply (lbs)

vvebs	Tens.C	omp.	vvebs	rens.	comp.
I-B	1359	-212	H-D	197	-660
B - H	195 -	1184	D-G	747	-212
C-H	3050	-681			



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

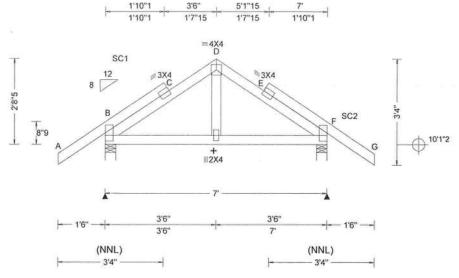
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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SEQN: 750240 GABL Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 Bell Res FROM: CDM Qty: 1 DrwNo: 047.24.0956.41123 Truss Label: B01 KD / DF 02/16/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria		
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Std: ASCE 7-22 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): 0.008 E 999 240 VERT(CL): 0.015 E 999 180 HORZ(LL): 0.004 C HORZ(TL): 0.008 C		
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18	Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.008 C Creep Factor: 2.0 Max TC CSI: 0.261 Max BC CSI: 0.136 Max Web CSI: 0.081		
Wind Duration: 1.60		WAVE	VIEW Ver: 23.02.04.0123.14		

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /RL /Rh /Rw 10 B 397 /263 /63 /113 397 /263 Wind reactions based on MWFRS Brg Wid = 4.0 Min Req = 1.5 (Truss) Min Req = 1.5 (Truss) Brg Wid = 4.0 Bearings B & F are a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #2 Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Stack Chord: SC1 2x4 SP #2; Stack Chord: SC2 2x4 SP #2;

Plating Notes

All plates are 3X6(E5) 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. Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/999.

+ Member to be laterally braced for horizontal wind loads, bracing system to be desiged and furnished

Additional Notes

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.

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 2-8-5



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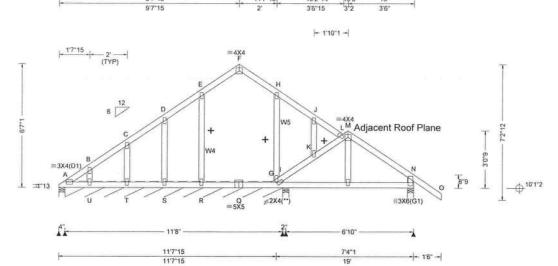
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SEQN: 750192 GABL Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.0957.54810 Truss Label: C01 KD / DF 02/16/2024 97-15 15'2"14



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 7-22 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	PP Deflection in loc L/defl L/# VERT(LL): 0.008 J 999 240 VERT(CL): 0.017 J 999 180 HORZ(LL): 0.007 J -
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "		Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.013 K

Lumber

Top chord: 2x4 SP #2: Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; W4,W5 2x4 SP #2; Rt Stub Wedge: 2x4 SP #3;

Plating Notes

All plates are 2X4 except as noted.

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

Loading

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

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

Wind loading based on both gable and hip roof types.

Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/143.

Additional Notes

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1

The overall height of this truss excluding overhang is

+ Member to be laterally braced for horizontal wind loads. bracing system to be desiged and furnished by others.

	G	Gravity		N	on-Gra	vity
Loc	R+	/ R-	/Rh	/Rw	/U	/RL
Α	103	1-	1-	/115	134	/210
A*	92	1-	1-	/56	/30	1-
G	113	1-	1-	/63	1-	1-
N	448	1-	1-	/279	129	1-
Win	d read	ctions b	ased on N	MWFRS		
Α	Brg V	Vid = 4.	0 Min F	Req = 1.5	(Trus	s)
A	Brg V	Vid = 13	39 Min F	Reg = -	22	100
G	Brg V	Vid = 4.	0 Min F	Reg = 1.5	(Trus	s)
N	Brg V	Vid = 4.	0 Min F	Req = 1.5	(Trus	s)
Bea	rings	A, A, G	& N are	a rigid su	ırface.	
Mer	nbers	not liste	ed have fo	rces les	s than	375#
		Top C	hord For	ces Per	Ply (Ib	os)

300 - 406 G - I

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

G-N 492



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SEQN: 749976 COMN Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.0957.57670 Truss Label: C02 KD / DF 02/16/2024 9'11"1 14'5"9 19 4'7"2 4'6"7 4'6"7 ≡4X4 C **3X4** B =3X4(D1) **10'1"2** II2X4 G III2X4 =5X6 // 2X4 **■3X6(G1)**

12'2"

6'10"

4'6"7

19

2'3"9

14'5"9

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	20.00 Wind Std: ASCE 7-22 Speed: 130 mph 0.00 Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014	PP Deflection in loc L/defl L/# VERT(LL): 0.015 A 999 240 VERT(CL): 0.031 A 999 180 HORZ(LL): 0.008 A HORZ(TL): 0.016 A Creep Factor: 2.0 Max TC CSI: 0.379 Max BC CSI: 0.368		
Spacing: 24.0 "	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	Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Max Web CSI: 0.307 VIEW Ver: 23.02.04.0123.14		

12'2"

4'7"2

9'11"1

5'4"

5'4"

	G	Gravity		Non-Gravity			
Loc	R+	/ R-	/Rh	/Rw	/U	/RL	
Α	520	1-	1-	/302	/75	/212	
H	771	1-	1-	/452	/121	1-	
E	408	1-	1-	/300	173	1-	
Wir	nd read	ctions b	ased on N	MWFRS			
A	Brg V	Vid = 4.	0 Min F	Req = 1.5	(Trus	5)	
H	Brg V	Vid = 4.	0 Min F	Reg = 1.5	(Trus	s)	
E	Brg V	Vid = 4	0 Min F	Reg = 1.5	(Truss	s)	
Bea	rings	A. H. &	E are a ri	gid surfa	ce.		

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

Chords Tens.Comp. 243 -677

1'6" --

▲ Maximum Reactions (lbs)

Maximum Bot Chord Forces Per Ply (lbs)					
Chords	Tens.C	Comp.	Chords	Tens.	Comp.
A - J	509	- 123	J-1	507	- 124

Maxim	um Web	Forces	Per Ply (lbs)	
Webs	Tens.C	Comp.	Webs	Tens.	Comp.
B - I	267	- 435	H-D	309	-824
1 - D	550	-96			

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Rt Stub 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 6-9-3.



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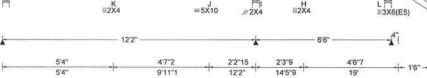
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SEQN: 749989 COMN Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Bell Res Qty: 1 DrwNo: 047.24.0957.59863 Truss Label: C03 / DF 02/16/2024 9'11"1 14'5"9 5'4 4'7"2 4'6"7 =4X4 4X8 =3X4(D1) 10'1"2



Loading Criteria (psf)	Wind 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 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
Pf: NA Ce: NA	VERT(LL): 0.026 A 999 240
Lu: NA Cs: NA	VERT(CL): 0.045 A 999 180
Snow Duration: NA	HORZ(LL): 0.013 A
	HORZ(TL): 0.024 A
Building Code:	Creep Factor: 2.0
FBC 8th Ed. 2023 Res. HVHZ	Max TC CSI: 0.434
TPI Std: 2014	Max BC CSI: 0.579
Rep Fac: Yes	Max Web CSI: 0.398
FT/RT:20(0)/10(0)	
Plate Type(s):	
WAVE	VIEW Ver: 23.02.04.0123.14

	G	Gravity		N	on-Grav	vity
Loc	R+	/ R-	/Rh	/Rw	/ U	/RL
Α	735	1-	/-	/299	177	/212
ĺ	949	1-	1-	1453	/109	1-
L.	404	1-	1-	/301	/81	1-
Wi	nd read	ctions b	ased on I	MWFRS		
A	Brg V	Vid = 4.	0 Min I	Req = 1.5	5 (Truss	s)
	Brg V	Vid = 4.	0 Min I	Req = 1.5	5 (Truss	5)
L				Reg = 1.5		
Be	arings	A, I, & L	are a rig	id surfac	e.	
Иe	mbers	not liste	ed have f	orces les	s than 3	375#
Иa	ximun	Top C	hord Fo	rces Per	Ply (lb	s)
ch	ords 7	Tens Co	nmn i	Chords	Tens	Comp

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

Webs: 2x4 SP #3;

Rt Slider: 2x6 SP #2; block length = 1.500'

Wind loads based on MWFRS with additional C&C

Right cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 6-9-3.

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

A-K 718 - 145 711 - 146 200

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

Tens. Comp. B-J 163 - 641 I-D 166 -980 J-D 845 -67



COA #0 278
Florida Certificate of Product Approval #FL1999 02/16/2024

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SEQN: 749992 SPEC Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Bell Res. DrwNo: 047.24.0958.01673 Qty: 1 Truss Label: C04 KD / DF 02/16/2024 9"11"1 14'3"9 18'8" 5'4" 4'7"2 4'4"7 4'4"7 =3X4(D1) Ĭ¹³ —⊕¹0′1°2 H ≡5X6 **≡2X4** ||2X4 #2X10(G1)

2'2"15

12'2

2'1"9

14'3"9

TCDL: 10.00 Sp BCLL: 0.00 En BCDL: 10.00 Ris FX	find Std: ASCE 7-22 peed: 130 mph nclosure: Closed isk Category: II	Pg: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.015 A 999 240 VERT(CL): 0.031 A 999 180		
	XP: C Kzt: NA	Snow Duration: NA	HORZ(LL): 0.008 A		
NCBCLL: 10.00 TC Soffit: 2.00 BC Load Duration: 1.25 MV Spacing: 24.0 " C&	.00 Mean Height: 15.00 ft .00 TCDL: 5.0 psf 00 BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h	Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.016 A		
- Wii Lumber	find Duration: 1.60				

4'7"2

9'11"1

	0	Gravity	Non-Gravity			
Loc	R+	/R-	/Rh	/Rw	/ U	/RL
Α	524	1-	1-	/300	/82	/177
G	757	1-	1-	/455	/100	1-
J	290	1-	1-	/204	/58	1-
Wir	d rea	ctions bas	sed on N	MWFRS		
A	Brg V	Vid = 4.0	Min F	Req = 1.5	(Truss	5)
G	Brg V	Vid = 4.0	Min F	Reg = 1.5	(Truss	5)
J	Brg V	Vid = 4.0	Min F	Reg = 1.5	(Truss	5)
Bea	rings	A, G, & J	are a ri	gid surfa	ce.	
		not listed				375#
Max	cimun	Top Ch	ord For	ces Per	Ply (lb	s)
		Tens.Con				

A-B 159 - 684

4'4"7

18'8

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 515 -84 I-H 512 -85

Maximum Web Forces Per Ply (lbs) Tens.Comp. Webs Webs Tens. Comp. B - H 165 -435 G-D 147 H-D 526 -44

Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Rt Stub Wedge: 2x6 SP #2;

Top 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 6-9-3.



Florida Certificate of Product Approval #FL1999 02/16/2024

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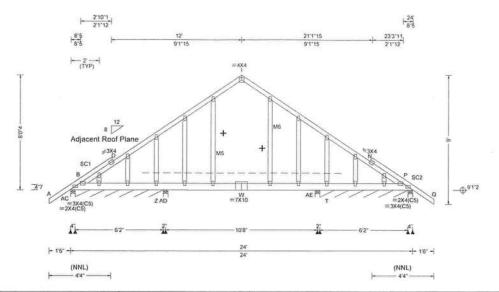
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SEQN: 750194 GABL Job Number: 24-0616 Plv: 1 Cust: R 215 JRef: 1XXd2150008 DrwNo: 047.24.0958.58640 FROM: CDM Qty: 1 Bell Res Truss Label: D01 KD / DF 02/16/2024



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 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.028 X 999 24(VERT(CL): 0.058 X 999 18(HORZ(LL): 0.016 H -
Des Ld: 40.00 Mea NCBCLL: 10.00 TCI Soffit: 2.00 BCI Load Duration: 1.25 MW Spacing: 24.0 "		Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.032 H Creep Factor: 2.0 Max TC CSI: 0.279 Max BC CSI: 0.290 Max Web CSI: 0.761
		WAVE	VIEW Ver: 23.02.04.0123.14

Lumber

Top chord: 2x4 SP #2: Bot chord: 2x6 SP #2; Webs: 2x4 SP #3; M5,M6 2x4 SP M-31; Stack Chord: SC1 2x4 SP #2; Stack Chord: SC2 2x4 SP #2;

Special Loads

(Lumber				
TC: From	64 plf at	-1.50 to	64 plf at	8.56
TC: From	32 plf at	8.56 to	32 plf at	15.44
TC: From	64 plf at	15.44 to	64 plf at	25.50
BC: From	5 plf at	-1.50 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	8.56
BC: From	10 plf at	8.56 to	10 plf at	15.44
BC: From	20 plf at	15.44 to	20 plf at	24.00
BC: From	5 plf at	24.00 to	5 plf at	25.50
BC: 38 lb	Conc. Load	at 8.56,10	.56,11.44,1	3.44
15 44				

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.

Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/173.

Additional Notes

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.

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 8-0-4.

Loc	R+	/R-	/ Rh	/Rw	/ U	/RL
AC	386	1-	1-	1-	/107	1-
AC*	34	1-5	1-	10	1-	1-
AD	537	1-	10	1-	/108	1-
AE	524	1-	/0	1-	/103	1-
AE*	35	1-4	1-	1-	/0	1-
P	386	1-	1-	1-	/107	1-
Z		/-136				
T		/-130				
Win	d read	ctions ba	ased on M	MWFRS		
AC	Brg V	Vid = 4.	0 Min F	Reg = 1.5	(Truss	5)
AC	Brg V	Vid = 74	.0 Min F	Reg = -		
AD	Brg V	Vid = 4.	0 Min F	Reg = 1.5	(Truss	5)
AE	Brg V	Vid = 4.1	0 Min F	Reg = 1.5	(Truss	s)
AE	Brg V	Vid = 74	.0 Min F	Reg = -	222	22
P	Brg V	Vid = 4.	0 Min F	Reg = 1.5	(Truss	5)
Bear	rings		AD, AE,			
Men	bers	not liste	d have fo	orces les	s than 3	375#

▲ Maximum Reactions (lbs), or *=PLF

Non-Gravity

Gravity

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

403 - 101 W-P 403 - 101

+ Member to be laterally braced for horizontal wind loads. bracing system to be desiged and furnished by others.



Florida Certificate of Product Approval #FL1999 02/16/2024

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SEON: 750004 COMN Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 T37 FROM: CDM Qty: 3 Bell Res. DrwNo: 047.24.0959.00303 Truss Label: D02 KD / DF 02/16/2024 6'2"7 Ф^{9'1"2} H ≡3X4 =5X5 =3X4(A1)8'1"10 7'8"12 8'1"10

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (II	os)
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 7-22 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 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.050 H 999 240 VERT(CL): 0.096 H 999 180 HORZ(LL): 0.021 F - HORZ(TL): 0.041 F - Creep Factor: 2.0 Max TC CSI: 0.347 Max BC CSI: 0.665 Max Web CSI: 0.225	F Brg Wid = 4.0 Min F Bearings B & F are a rigid Members not listed have fo Maximum Top Chord For	Req = 1.5 (Truss) Req = 1.5 (Truss) surface. proces less than 375#
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14	(Apr. 1981) - Section (Apr. 1981) - S	D - E 340 - 140 E - F 273 - 156

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

Loading

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

Wind

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 8-4-7.



Maximum Bot Chord Forces Per Ply (lbs)									
Chords	Tens.C	Comp.	Chords	Tens. Comp.					
B - I	1217	- 104	H-F	1218	- 99				
I - H	824	- 18							

waxim	waximum web Forces Per Ply (lbs)									
Webs	Tens.Comp.		Webs	Tens. Comp						
I-D	588	- 121	D-H	591	- 120					



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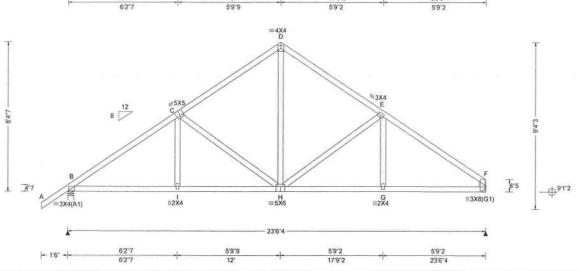
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For more information see these web sites: Alpine: alpineitw.com. TPI: tonst.org: SBCA: sbcacomponents.com. ICC: iccsafe org: AWC: awc.org.



SEQN: 750222 COMN Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 3 Bell Res. DrwNo: 047 24 0959 01597 Truss Label: D03 KD / DF 02/16/2024 5'9"2



Loading Criteria (psf) TCLL: 20.00	Wind Criteria Wind Std: ASCE 7-22	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/#	▲ Maximum Reactions (Ib Gravity	Non-Gravity
TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Speed: 130 mph Enclosure: Closed Risk Category: II	Pf: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	VERT(LL): 0.038 H 999 240 VERT(CL): 0.079 H 999 180 HORZ(LL): 0.019 F -	Loc R+ /R- /Rh B 1102 /- /- F 978 /- /-	/Rw /U /RL /677 /183 /252 /573 /153 /-
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft	Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.039 F Creep Factor: 2.0 Max TC CSI: 0.362 Max BC CSI: 0.401 Max Web CSI: 0.426	F Brg Wid = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less t Maximum Top Chord Forces Per P	teq = 1.5 (Truss) teq = - crces less than 375# ces Per Ply (lbs)
Lumbor	GCpi: 0.18 Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14		0 - E 281 - 985 - F 272 - 1386

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Rt Stub Wedge: 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 8-4-7.

	C	Gravity		N	on-Gra	vity
Loc	R+	/R-	/Rh	/Rw	/ U	/RL
В	1102	1-	/-	/677	/183	/252
F	978	1-	1-	1573	/153	1-
Win	d rea	ctions b	ased on	MWFRS		
В	Brg V	Vid = 4.	0 Min	Req = 1.5	5 (Trus	s)
F	Brg V	Vid = -	Min	Req = -		
Bea	ring E	is a rig	id surfac	e.		
Mer	nbers	not liste	ed have f	orces les	s than :	375#
Max	cimun	Top C	hord Fo	rces Per	Ply (lb	s)
Cho	ords '	Tens.Co	omp.	Chords	Tens.	Comp.
B -	С	262 -	1411	D-E	281	- 985
C-	D	272	- 985	E-F	272	- 1386

Maximum Bot Chord Forces Per Ply (lbs)									
Chords	Tens.Comp.		Chords	Tens. Comp					
B-I	1088	- 137	H-G	1058	- 137				
I - H	1086	- 138	G-F	1061	- 137				

Maximum Web Forces Per Ply (lbs)								
Webs	Tens.0	Comp.	Webs	Tens. Comp.				
C-H	174	-439	H-E	175	- 407			
D-H	621	- 148						



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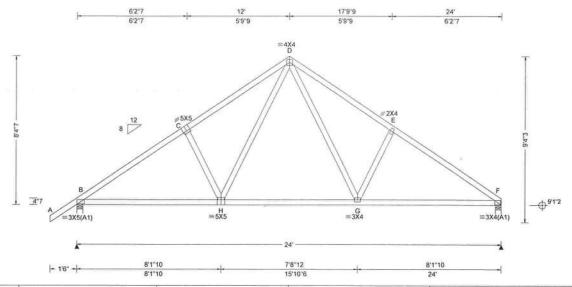
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For more information see these web sites: Alpine; alpineity com: TPI: binst org: SBCA: sbcacomponents com: ICC: iccsafe org: AWC: awc org: PCIC icc



SEON: 750229 COMN Ply: Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 5 Bell Res DrwNo: 047.24.0959.03030 Truss Label: D04 KD / DF 02/16/2024



Loading Criteria (psf)	Wind Criteria	Control Coltonia (D. D.) DOD	Defl/CSI Criteria	A
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II	Snow Criteria (Pg,Pf in PSF) 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): 0.049 H 999 240 VERT(CL): 0.095 H 999 180 HORZ(LL): 0.021 F -	Ŀ
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac; Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.042 F Creep Factor: 2.0 Max TC CSI: 0.382 Max BC CSI: 0.668 Max Web CSI: 0.233	
	Wind Duration: 1.60	WAVE	VIEW Ver; 23.02.04.0123.14	B

Gravity				Non-Gravity				
Loc	R+	/ R-	/Rh	/Rw	/U	/RL		
В	1194	/-	/-	/684	/13	/256		
F	1083	1-	1-	/593	/6	1-		
Win	d read	ctions ba	ased on	MWFRS				
В	Brg V	Vid = 4.	0 Min	Req = 1.	5 (Trus	s)		
F	Brg V	Vid = 4.	0 Min	Reg = 1.	(Trus	s)		
Bea	rings	B&Fa	re a rigid	surface.				
Mer	nbers	not liste	d have f	orces les	s than :	375#		
Vlax	cimun	Top C	hord Fo	rces Per	Plv (lb	s)		
				Chords				
		Market In	7655270 F	22 752	(42127E)	100000		
B - (C	278 -	1571	D-E	358	- 1423		

Lumber

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

Loading

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

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 8-4-7.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B-H 1222 - 140 G-F 1239 - 148 H-G 830 0

Maximum Web Forces Per Ply (lbs) Tens. Comp. Webs Tens.Comp Webs H-D 587 - 119 D-G 613 - 131



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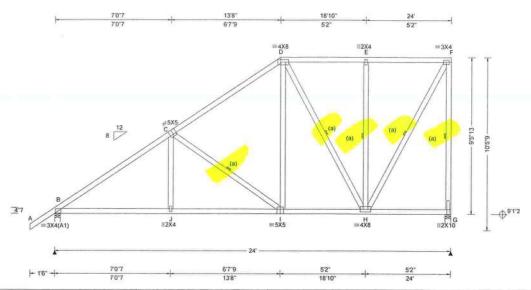
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SEQN: 750010 COMN Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 T39 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.0959.04653 Truss Label: D05 KD / DF 02/16/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg.Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs	s)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code:	PP Deflection in loc L/defl L/# VERT(LL): 0.036 J 999 240 VERT(CL): 0.075 J 999 180 HORZ(LL): 0.015 C HORZ(TL): 0.031 C Creep Factor: 2.0	Gravity Loc R+ / R- / Rh B 1122 /- /- G 998 /- /- Wind reactions based on M B Brg Wid = 4.0 Min Re	Non-Gravit / Rw / U /740 /37 /583 /185 WFRS eq = 1.5 (Truss)
Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "		Plate Type(s):	Max TC CSI: 0.513 Max BC CSI: 0.507 Max Web CSI: 0.432	Bearings B & G are a rigid s Members not listed have for Maximum Top Chord Forc Chords Tens.Comp. Cl	ces less than 37
	Wind Duration; 1.60	WAVE	VIEW Ver: 23.02.04.0123.14		- E 259 - F 259

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

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

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 9-5-13.

	G	Gravity		N	on-Gra	vity
Loc	R+	/ R-	/Rh	/Rw	/ U	/RL
В	1122	1-	<i>J</i> -	1740	/37	/254
G	998	/-	1-	/583	/185	1-
Win	d read	ctions b	ased on	MWFRS		
В	Brg V	Vid = 4.	0 Min	Reg = 1.	5 (Trus	s)
G	Brg V	Vid = 4.	0 Min	Req = 1.	5 (Trus	s)
Bea	rings	B&Ga	re a rigi	d surface.		22
Mer	nbers	not liste	ed have	forces les	s than :	375#
Max	cimun	n Top C	hord F	orces Per	Ply (lb	s)
				Chords		
B - (С	303 -	1424	D-E	259	- 463
C-	D	321	-917	E-F	259	- 462

Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.C	Comp.	Chords	Tens.	Comp.		
B-J	1090	-490	I-H	658	- 336		
J - I	1088	-491					

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
C-1	199	- 532	E-H	386	- 363
D - I	468	-60	H-F	944	- 528
D-H	156	- 399	F-G	596	- 956



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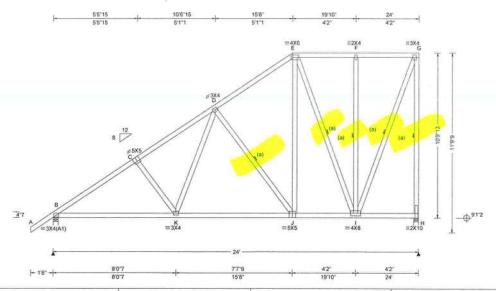
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North Building, 4th Floor Glenview, IL 60025

SEQN: 750013 COMN Ply: Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 1 Bell Res. DrwNo: 047.24.0959.06043 Truss Label: D06 / DF 02/16/2024



Loading Criteria (psf)		Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (Ib Gravity	Non-Gravity
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 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. HVHZ 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): 0.042 K 999 240 VERT(CL): 0.087 K 999 180 HORZ(LL): 0.016 C HORZ(TL): 0.034 C Creep Factor: 2.0 Max TC CSI: 0.296 Max BC CSI: 0.623 Max Web CSI: 0.554 VIEW Ver: 23.02.04.0123.14	Loc R+ /R- /Rh B 1122 /- /- H 998 /- /- Wind reactions based on M B Brg Wid = 4.0 Min R H Brg Wid = 4.0 Min R Bearings B & H are a rigid: Members not listed have fo Maximum Top Chord For Chords Tens.Comp. C B - C 234 - 1446 D	/Rw /U /RL //46 /14 /289 /615 /185 /- IWFRS eq = 1.5 (Truss) eq = 1.5 (Truss) surface. roes less than 375#
		WAVE	District Control of the Control of t	C - D 262 - 1256	

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

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

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-9-13.

ow Criteria (Pg	작용하다 되니다. 그런 사용을 되었다.	Defl/CSI Cr		anunca c	March 1	▲ M		um Read	tions (
NA Ct: NA	CAT: NA	PP Deflection	on in loc L	./defl	L/#			Gravity			on-Gra	0.00%
NA	Ce: NA	VERT(LL):	0.042 K	999	240	Loc	R+	/ R-	/Rh	/ Rw	/ U	/RL
NA Cs: NA		VERT(CL):	0.087 K	999	180	В	1122	1-	1-	1746	/14	/289
w Duration: NA		HORZ(LL):	0.016 C	81	*	Н	998	1-	1-	/615	/185	1-
		HORZ(TL):	0.034 C	27	23	Win	d read	ctions ba	sed on	MWFRS		
ding Code:		Creep Facto	or: 2.0			В	Brg V	Vid = 4.0	Min	Req = 1.5	(Trus	s)
8th Ed. 2023 F	Res. HVHZ	Max TC CS	1: 0.296							Req = 1.5		s)
Std: 2014		Max BC CS	1: 0.623			Bea	rings I	B & H ar	e a rigio	I surface.		
Fac: Yes		Max Web C				Men	nbers	not liste	d have f	orces les	s than 3	375#
		WIGA VVCD C	0.004			Max	imum	Top CI	nord Fo	rces Per	Ply (lb	s)
RT:20(0)/10(0)		1				Cho	rds T	Tens.Cor	np.	Chords	Tens.	Comp.
e Type(s):				1412 0	6	D /	,	224 4	440	D F	242	700
VE		VIEW Ver: 2	23.02.04.01	123.14	4	B - 0	_	234 - 1	446	D-E	242	- 735

			Forces Per	Ply (ib:	5)
Chords	Tens.C	Comp.	Chords	Tens.	Comp.
B - K	1126	- 494	J-1	530	- 259

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
K-D	447	-56	E-I	210	- 520
D-J	216	- 527	1-G	918	-495
E-J	549	- 116	G-H	570	- 962



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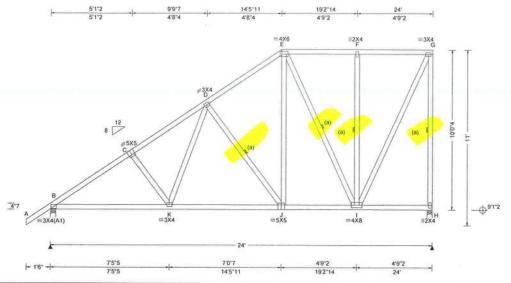
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North Building, 4th Floor Glenview, IL 60025

SEQN: 750231 COMN Plv: Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 T47 FROM: CDM Qty: 5 Bell Res DrwNo: 047.24.0959.07430 Truss Label: D07 KD / DF 02/16/2024



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 7-22 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: > 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.040 K 999 240 VERT(CL): 0.084 K 999 180 HORZ(LL): 0.015 C -	
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "		Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.032 C Creep Factor: 2.0 Max TC CSI: 0.359 Max BC CSI: 0.546 Max Web CSI: 0.479	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14	

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

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

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-0-4.

iteria (Pg,Pf in PSF) Ct: NA CAT: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/#	▲ Maximum Reactions (Ibs) Gravity Non-Gravity
Ce: NA	VERT(LL): 0.040 K 999 240	Loc R+ /R- /Rh /Rw /U /RL
Cs: NA	VERT(CL): 0.084 K 999 180	B 1122 /- /- /778 /- /268
ration: NA	HORZ(LL): 0.015 C	H 998 /- /- /739 /- /-
	HORZ(TL): 0.032 C	Wind reactions based on MWFRS
Code: Ed. 2023 Res. HVHZ 2014 Yes (0)/10(0) e(s):	Creep Factor: 2.0 Max TC CSI: 0.359 Max BC CSI: 0.546 Max Web CSI: 0.479	B Brg Wid = 4.0 Min Req = 1.5 (Truss) H Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings B & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp
-1-7-	VIEW Ver: 23.02.04.0123.14	B-C 6-1459 E-F 0 -4* C-D 32-1284 F-G 0 -4*

Maximu	ım Bot	Chord I	orces Per	Ply (lb	s)
Chords	Tens.C	Comp.	Chords	Tens.	Comp.
B - K	1140	-284	J-1	603	-60
K - J	886	- 183			

13 -813

D-E

Chords Tens. Comp.

/268

-410

-410

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. K-D 405 -56 E-1 168 -438 D-J 211 -480 1-G 932 0 E-J 509 -98 G-H 0 -958



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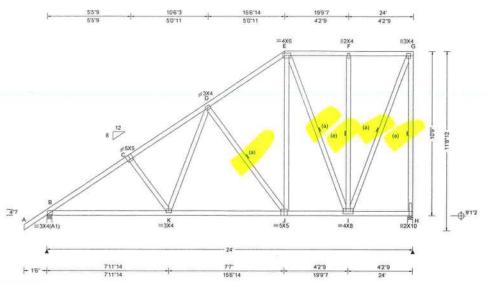
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SEQN: 750197 COMN Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 T69 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.0959.09617 Truss Label: D08 KD / DF 02/16/2024



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 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.042 K 999 240 VERT(CL): 0.086 K 999 180 HORZ(LL): 0.016 C HORZ(TL): 0.034 C Creep Factor: 2.0 Max TC CSI: 0.293 Max BC CSI: 0.616 Max Web CSI: 0.548
Wind Duration: 1.60		WAVE	VIEW Ver: 23.02.04.0123.14

Gravity			N	on-Gra	vity	
Loc	R+	/ R-	/Rh	/Rw	/ U	/RL
В	1122	1-	1-	/746	/15	/287
Н	998	1-	1-	/613	/185	1-
Win	d read	ctions b	ased on	MWFRS		
В	Brg V	Vid = 4.	0 Min	Reg = 1.	5 (Trus	s)
H	Brg V	Vid = 4.	0 Min	Reg = 1.	5 (Trus	s)
Bea				d surface.		
	111111111111		-	forces les		375#
Max	cimun	Top C	hord F	orces Per	Ply (lb	s)
				Chords		
	00111	things:		2007 1000	100000	
B - 1	10.53	238 -		D-E	247	-74
C -	D.	266 -	1250			

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

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

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-9-0.

Chords	Tens.C	Comp.	Chords	Ply (lbs Tens.	
В-К	1127	- 495	J - I	535	- 263
K-J	845	- 387			

Maximum Web Forces Per Ply (lbs)							
Webs	Tens.0	Comp.	Webs	Tens.	Comp.		
K-D	444	-55	E-I	207	-513		
D-J	214	- 524	1-G	919	-496		
E-J	546	- 115	G-H	572	-961		



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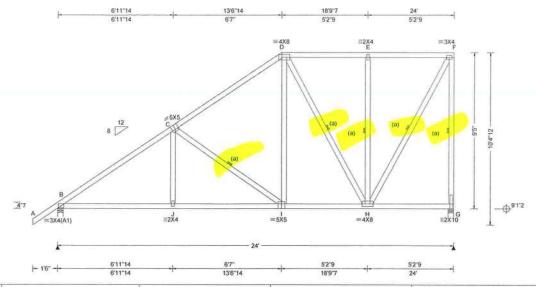
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SEQN: 750200 COMN Ply: Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.0959.10987 Truss Label: D09 / DF 02/16/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (Ib	os)
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
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 "	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Pf. NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	VERT(LL): 0.036 J 999 240 VERT(CL): 0.075 J 999 180 HORZ(LL): 0.015 C HORZ(TL): 0.031 C Creep Factor: 2.0 Max TC CSI: 0.504 Max BC CSI: 0.501 Max Web CSI: 0.427	B 1122 /- /- G 998 /- /- Wind reactions based on M B Brg Wid = 4.0 Min R G Brg Wid = 4.0 Min R Bearings B & G are a rigid Members not listed have fo Maximum Top Chord For	Req = 1.5 (Truss) Req = 1.5 (Truss) surface. prces less than 375#
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14		D-E 264 -470
Lumber				C-D 325 -923 E	E-F 263 -469

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

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

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is

ow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
: NA Ct: NA CAT: NA NA Ce: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.036 J 999 240	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL
NA Cs: NA	VERT(CL): 0.075 J 999 180	B 1122 /- /- /740 /38 /252
ow Duration: NA	HORZ(LL): 0.015 C	G 998 /- /- /582 /185 /-
	HORZ(TL): 0.031 C	Wind reactions based on MWFRS
ilding Code:	Creep Factor: 2.0	B Brg Wid = 4.0 Min Req = 1.5 (Truss)
C 8th Ed. 2023 Res. HVHZ I Std: 2014	Max TC CSI: 0.504 Max BC CSI: 0.501	G Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings B & G are a rigid surface. Members not listed have forces less than 375#
p Fac: Yes	Max Web CSI: 0.427	Maximum Top Chord Forces Per Ply (lbs)
/RT:20(0)/10(0) ite Type(s):		Chords Tens.Comp. Chords Tens. Comp.
AVE	VIEW Ver: 23.02.04.0123.14	B - C 307 - 1425 D - E 264 - 470

Maximu	ım Bot	Chord F	Forces Per	Ply (lbs	()
Chords	Tens.C	Comp.	Chords	Tens.	Comp.
B-J	1092	- 492	1-H	664	- 339
J-1	1090	- 493			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.0	Comp.	Webs	Tens.	Comp.
C-1	197	- 527	E-H	390	-368
D - I	466	-59	H-F	946	-530
D-H	153	-392	F-G	597	-956



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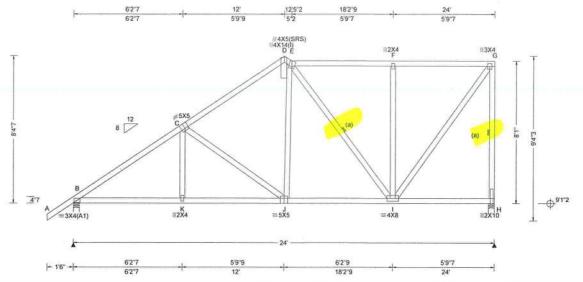
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEON: 750203 COMN Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.0959.12387 Truss Label: D10 KD / DF 02/16/2024



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 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Pg: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.058 J 999 240 VERT(CL): 0.121 J 999 180 HORZ(LL): 0.022 C -
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 BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.046 C Creep Factor: 2.0 Max TC CSI: 0.686 Max BC CSI: 0.415 Max Web CSI: 0.979 VIEW Ver: 23.02.04.0123.14

L	u	m	ber
-	**	•••	201

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

(a) Continuous lateral restraint equally spaced on

Plating Notes

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

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

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

The overall height of this truss excluding overhang is 8-4-7

Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
Pf: NA Ce: NA	VERT(LL): 0.058 J 999 240
Lu: NA Cs: NA	VERT(CL): 0.121 J 999 180
Snow Duration: NA	HORZ(LL): 0.022 C
	HORZ(TL): 0.046 C
Building Code:	Creep Factor: 2.0
FBC 8th Ed. 2023 Res. HVHZ	Max TC CSI: 0.686
TPI Std: 2014	Max BC CSI: 0.415
Rep Fac: Yes	Max Web CSI: 0.979
FT/RT:20(0)/10(0)	Brondon Committee Committe
Plate Type(s):	
WAVE	VIEW Ver: 23.02.04.0123.14

D-E	265	- 505			
Maximu	ım Bot	Chord F	orces Per	Ply (lb	s)
Chords	Tens.C	Comp.	Chords	Tens.	Comp.
B-K	1109	- 494	J-1	757	- 376

E-F

F-G

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

Non-Gravity

/178 1-

Chords Tens. Comp.

335

334

/226

-605

-605

/Rw /U

/730 152

/560

Min Req = 1.5 (Truss)

Min Req = 1.5 (Truss)

▲ Maximum Reactions (Ibs)

Wind reactions based on MWFRS Brg Wid = 4.0

Bearings B & H are a rigid surface.

366 - 1441

392 - 1022

Loc R+

998

B-C

C-D

K-J

1122 /-

Brg Wid = 4.0

Chords Tens.Comp.

1107 -495

Maximum Web Forces Per Ply (lbs) Tens.Comp. Webs Tens. Comp. C-J 153 -411 1 - G 1015 -561 J-E 414 -32 G-H 596 -953 F-1 464 -474



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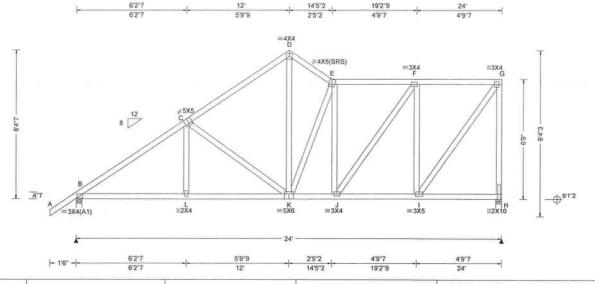
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North Building, 4th Floor Glenview, IL 60025

SEQN: 750206 COMN Ply: Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.0959.13860 Truss Label: D11 KD / DF 02/16/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Std: ASCE 7-22 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): 0.043 E 999 240 VERT(CL): 0.088 E 999 180 HORZ(LL): 0.017 C -
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 to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.034 C Creep Factor: 2.0 Max TC CSI: 0.368 Max BC CSI: 0.420 Max Web CSI: 0.781
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14

▲ Maximum Reactions (lbs) Non-Gravity Gravity Loc R+ /Rh /RL / R-/Rw /U 1122 /-B /716 /36 /228 998 1555 /146 1-Wind reactions based on MWFRS Brg Wid = 4.0 Min Req = 1.5 (Truss) Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings B & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (Ibs) Chords Tens.Comp. Chords Tens. Comp B-C 360 - 1448 E-F 386 -877 C-D 379 - 1017 F-G 300 -602 D-E 402 - 929

Lumber

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

Purlins

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

Wind loads based on MWFRS with additional C&C 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 8-4-7.

Chords	Tens.C	comp.	Chords	Tens.	Comp.
B-L	1119	- 434	K-J	891	- 391
L-K	1117	-435	J - I	635	- 321

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Com						
Webs	rens.c	Jomp.	Webs	rens.	Comp.	
C-K	172	-450	F-1	473	-729	
D-K	718	- 292	1-G	1031	-514	
K-E	255	-383	G-H	545	- 962	
J-F	434	- 114				



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Glenview, IL 60025

SEQN: 750209 COMN Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 T57 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.0959.15197 Truss Label: D12 KD / DF 02/16/2024 16'5"2 20'2"9 452 4X5(SRS) =3X4 Ф^{9:1-2} 4"7 = 5X6 III 2X4 =3X4 12X10 4'5"2 3'9"7 3'9"7 - 1'6" --20'2"9

Loading Criteria (psf)		Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions	M
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 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.043 K 999 240 VERT(CL): 0.089 K 999 180 HORZ(LL): 0.017 C HORZ(TL): 0.035 C Creep Factor: 2.0 Max TC CSI: 0.362 Max BC CSI: 0.410 Max Web CSI: 0.505	B 1122 /- /- H 998 /- /- Wind reactions based on B Brg Wid = 4.0 Mir	n Req = 1.5 (Truss) n Req = 1.5 (Truss) id surface. e forces less than 375#
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14	B - C 333 - 1447 C - D 351 - 1019	E-F 380 -994 F-G 269 -615
Lumber				D E 350 070	

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

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

Wind loads based on MWFRS with additional C&C 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 8-4-7.

U	В	1122	. /-	1-	1705	122	1231
	H	998	1-	1-	1547	/110	/-
	Wi	nd rea	ctions	based on	MWFRS		
	В	Brg 1	Wid = 4	4.0 Min	Req = 1	5 (Truss	s)
	Н	Brg 1	Wid = 4	4.0 Min	Reg = 1	5 (Trus	s)
- 1	Be	arings	B&H	are a rigi	d surface		
	Me	mbers	not lis	ted have	forces les	ss than 3	375#
				ted have Chord Fo			200
	Ma	ximu	n Top	게 되면서 아름답다면요.	orces Pe	r Ply (lb	s)
	Ma	ximur ords	n Top Tens.C	Chord F	orces Pe	r Ply (lb	s)
	Ma	ximui ords C	n Top Tens.C 333	Chord Foomp.	Chords	r Ply (lb Tens.	s) Comp.

Maximum Bot Chord Forces Per Ply (lbs)						
Chords	Tens.C	Comp.	Chords	Tens.	Comp.	
B-L	1117	- 360	K-J	1019	- 389	
L-K	1116	- 361	J - I	660	- 293	

Maximum Web Forces Per Ply (lbs)							
Webs	Tens.C	Comp.	Webs	Tens. (Comp.		
C-K	171	-443	J-F	611	- 158		
D-K	674	-229	F-I	420	-787		
K-E	244	- 396	1 - G	1062	-465		
E-J	174	-437	G-H	483	- 968		



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SEON: 750213 COMN Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.0959.17260 Truss Label: D13 KD / DF 02/16/2024 =4X4 4X5(SRS) =3X4 113X5 P ■2X4 =3X4 ≡6X8 ≡2X4

36"12

Loading Criteria (psf, TCLL: 20.00	Wind Criteria Wind Std: ASCE 7-22	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/#	▲ Maximum Reaction Gravity
TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	VERT(LL): 0.155 P 999 240 VERT(CL): 0.303 P 943 180 HORZ(LL): 0.099 C	Loc R+ /R- / B 1122 /- /- I 998 /- /-
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.207 C	Wind reactions base B Brg Wid = 4.0 I Brg Wid = 4.0 Bearings B & I are a Members not listed h Maximum Top Chor Chords Tens.Comp
Louistan	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14	B - C 265 - 1336 C - D 349 - 1198

2'6"13

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; W6 2x4 SP #2;

Plating Notes

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

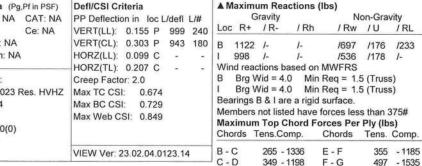
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

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

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 8-4-7.



21'8

C-D	349 - 1198	F-G	497	- 1535
D-E	376 - 1124	G-H	295	- 767
Maximu	m Bot Chord F	orces Per	Ply (lbs	;)
Chords	Tens Comp	Chords	Tens	Comp

/233

1-

Chords	rens.c	omp.	Chords	rens.	comp.
B-P	1009	-250	M-L	1605	- 527
P-0	1007	-247	L-J	809	-314

Maximum Web Forces Per Ply (lbs)							
Webs	Tens.C	Comp.	Webs	Tens.	Comp.		
O - Q	871	-217	L-G	1002	-255		
E-Q	889	- 255	G-J	341	-824		
M-F	365	-772	J - H	1178	-453		
Q - M	397	-88	H-1	409	-965		
F-L	276	-658					



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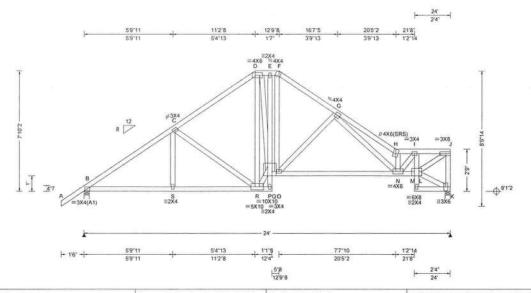
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SEQN: 750215 COMN Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 T67 FROM: CDM Bell Res DrwNo: 047.24.0959.19623 Qty: 1 / DF Truss Label: D14 KD 02/16/2024



Loading Criteria (psf) V		Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria		
TCLL: TCDL: BCLL: BCDL:	20.00 10.00 0.00 10.00	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II	Pg: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.096 P 999 240 VERT(CL): 0.199 P 999 180 HORZ(LL): 0.080 K		
Des Ld: NCBCLL: Soffit: Load Dur Spacing:	2.00 ation: 1.25	EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCbi: 0.18	Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.166 K		
		Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14		

_	-		_	-	_
1		m	h	_	
	u		u	ㄷ	

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

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

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 7-10-2.

	G	ravity		Non-Gravity		
Loc	R+	/R-	/Rh	/Rw	/ U	/RL
B 1	122	/-	/-	/692	/184	/222
K 9	98	1-	1-	/531	/170	1-
Wind	read	tions b	ased on	MWFRS		
BE	rg V	Vid = 4.	0 Min	Reg = 1.5	5 (Trus	s)
KE	ra V	Vid = 4	O Min	Reg = 1.5	5 /True	e)
			O IVIIII	1164 - 1.	o (IIIus	91
	-			surface.	J (Trus	3)
Beari	ngs l	В&Ка	re a rigio	1000 CO. B. C.		(5.5)
Bearin Memb	ngs l	B & K a	re a rigio ed have	d surface.	s than	375#
Bearin Memb	ngs l pers num	B & K a not liste Top C	re a rigio ed have hord Fo	d surface. forces les	s than :	375# is)
Bearin Memb	ngs l pers num	B & K a not liste Top C	re a rigio ed have hord Fo emp.	d surface. forces les orces Per	s than :	375# is) Comp.
Memb Maxin Chord	ngs l pers num	B & K a not liste Top C ens.Co	re a rigio ed have hord Fo omp. 1457	d surface. forces les orces Per Chords	s than : Ply (lb Tens.	375# is) Comp. - 1210
Memb Maxin Chord B - C	ngs I pers mum ds T	B & K a not liste Top C ens.Co 342 - 359 -	re a rigio ed have hord Fo omp. 1457	d surface. forces les orces Per Chords F - G	s than : Ply (lb Tens.	375# (s) Comp. - 1210 - 2627

Maximum Bot Chord Forces Per Ply (lbs)									
Chords	Tens.C	Comp.	Chords	Tens. Comp.					
B-S	1131	-279	0 - N	1300	- 352				
S-R	1130	- 280	N - I	1644	-563				

N-L

S-R 1130 - 280 P-0 987 - 229

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
C-R	161	-416	G-N	1212	-408
D-R	195	-880	H-N	544	- 1551
D-P	968	- 176	N - I	623	-63
R-P	1486	-281	I-L	173	-619
E-P	641	-233	L-J	1776	- 599
0 - G	247	- 503	J-K	367	- 953



COA #0 278
Florida Certificate of Product Approval #FL1999 02/16/2024

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SEQN: 750044 Job Number: 24-0616 Ply: 1 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.0959.21570 Truss Label: D15 / DF KD 02/16/2024 4'8"7 12'4' 15 17'9"13 22'2"6 24 4'8"7 4'3"9 3'4' 2'8' 2'9"13 4'4"9 1'9"10 =5X6 3X4 3X4 $\equiv 3X4$ 112X4 4"7 0 112X4 =5X6 ≡5X4 =3X4(A1) 24 1'9"10 4'8"7 4'3"9 3'4' 2'9"13 4'4"9 4'8"7 9 12'4" 15' 17'9"13 22'2"6 24 Loading Criteria (psf) ▲ Maximum Reactions (lbs) Wind Criteria TCLL: 20.00 Wind Std: ASCE 7-22 Gravity Non-Gravity Loc R+ Speed: 130 mph /R-/Rh /Rw /U /RL 10.00 TCDL Enclosure: Closed BCLL: 0.00 В 1109 /678 /191 /200 Risk Category: II BCDI: 10.00 975 /558 /182 EXP: C Kzt: NA Wind reactions based on MWFRS 40.00 Des Ld: Mean Height: 15.00 ft Brg Wid = 4.0 Min Req = 1.5 (Truss) NCBCLL: 10.00 TCDL: 5.0 psf Brg Wid = 4.0 Min Req = 1.5 (Truss) Soffit: 2.00 BCDL: 5.0 psf Load Duration: 1.25 MWFRS Parallel Dist: h/2 to h Spacing: 24.0 " C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18

Lumber

Top chord: 2x4 SP #2; T3 2x6 SP 2400f-2.0E; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

Wind Duration: 1.60

Tray Scab(s)

(1) 2x6x9-0-1 x SP 2400f-2.0E scab at right end. Attach scab to face of chord with: 0.131"x3", min nails @ 8" oc, plus additional nail clusters at: BRG.: (4), heel: (5), 1st panel point: (2).

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

Snow Cr	iteria (Pg	Pf in PSF)	Defl/CSI Criteria	
Pg: NA	Ct: NA	CAT: NA	PP Deflection in loc L/defl I	L/#
Pf: NA		Ce: NA	VERT(LL): 0.089 J 999	240
Lu: NA	Cs: NA		VERT(CL): 0.182 J 999	180
Snow Du	ration: NA		HORZ(LL): 0.031 D -	-
			HORZ(TL): 0.063 D -	-
Building	Code:		Creep Factor: 2.0	
FBC 8th	Ed. 2023 F	Res. HVHZ	Max TC CSI: 0.290	
TPI Std:	2014		Max BC CSI: 0.401	
Rep Fac:	Yes		Max Web CSI: 0.361	
FT/RT:20	0(0)/10(0)			
Plate Typ	e(s):			
WAVE			VIEW Ver: 23.02.04.0123.14	

Bearings B & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (Ibs)							
Chords	Tens.Comp.	Chords	Tens.	Comp.			
B-C	478 - 1459	F-G	593	- 1405			
C-D	501 - 1166	G-H	568	- 1651			
D-E	563 - 1178	H-1	199	-531			
E-F	566 - 1183						

Maximum Bot Chord Forces Per Ply (Ibs) Chords Tens.Comp. Chords Tens. Comp. B - O - 322 1485 -420 1142 K-J 0 - N 1141 - 323 J-H 1488 -422 L-K 1088 - 284

Maximum Web Forces Per Ply (lbs)								
Webs	Tens.C	Comp.	Webs	Tens.	Comp.			
D-L	504	- 204	F-K	442	- 113			
N-L	947	-242	K-G	205	- 594			



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

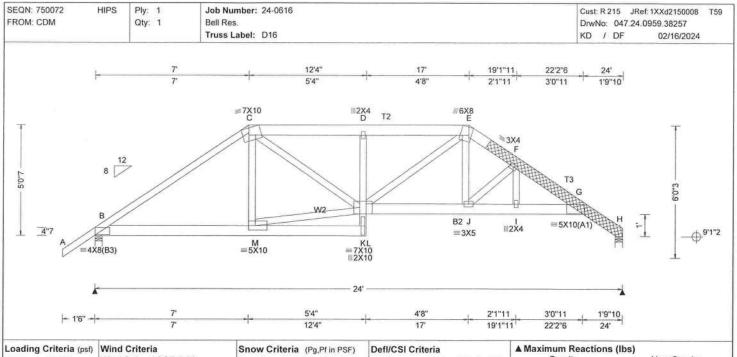
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025



Loading Criteria (psf) TCLL: 20.00	Wind Criteria Wind Std: ASCE 7-22	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/#		
TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Std: ASCE 7-22 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	VERT(LL): 0.196 D 999 240 VERT(CL): 0.394 D 718 180 HORZ(LL): 0.061 C -		
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "		Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.123 C Creep Factor: 2.0 Max TC CSI: 0.912 Max BC CSI: 0.683 Max Web CSI: 0.790		
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14		

Lumber

Top chord: 2x4 SP #2; T2 2x6 SP #2; T3 2x6 SP 2400f-2.0E; Bot chord: 2x6 SP #2; B2 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W2 2x4 SP #2;

Special Loads

(Lumber	Dur.Fac.=1	.25 / Plate [Dur.Fac.=1.2	25)
TC: From	64 plf at	-1.50 to	64 plf at	7.00
TC: From	32 plf at	7.00 to	32 plf at	17.00
TC: From	64 plf at	17.00 to	64 plf at	24.00
BC: From	5 plf at	-1.50 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	7.03
BC: From	10 plf at	7.03 to	10 plf at	16.97
BC: From	20 plf at	16.97 to	20 plf at	22.20
TC: 451 lb	Conc. Load	at 7.03		
TC: 193 lb	Conc. Load	at 9.06,11	.06	
TC: 207 lb	Conc. Load	at 12.94,14	1.94	
TC: 572 lb	Conc. Load	at 16.97		
BC: 506 lb	Conc. Load	at 7.03		
BC: 131 lb	Conc. Load	at 9.06,11	.06	
BC: 106 lb	Conc Load	at 12 94 14	1 94	

Tray Scab(s)

(2) 2x6x7-4-15 x SP 2400f-2.0E scabs at right end. Attach one scab to each outer face of chord with: 0.131"x3", min. nails @ 8" oc, plus additional nail clusters at: BRG.: (6), heel: (10), 1st panel point: (4).

BC: 375 lb Conc. Load at 16.97

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 5-0-7

A M			ctions	A DESCRIPTION OF THE PARTY OF T	_	••
	G	iravity		N	on-Gra	vity
Loc	R+	/R-	/Rh	/Rw	/ U	/RL
В	2484	1-	/-	/-	/556	/-
H	2356	1-	1-	1-	/541	1-
Win	d read	ctions b	ased on	MWFRS		
В	Brg V	Vid = 4.	0 Min	Reg = 2.5	9 (Trus	s)
Н				Reg = 2.3		
Bea				d surface.		
Mer	nbers	not liste	ed have	forces les	s than :	375#
Max	kimun	Top C	hord F	orces Per	Ply (lb	s)
Cho	ords 1	ens.Co	mp.	Chords	Tens.	Comp.
B - 6	С	885 -	3854	E-F	1098	- 4825
C-	D	1163	4849	F-G	1098	- 4828

Maximum Bot Chord Forces Per Ply (lbs)								
Chords	Tens.C	Comp.	Chords	Tens.	Comp.			
B - M	3121	-704	J - I	4590	- 1038			
K - 1	4030	-017	I-G	4603	- 10/11			

G-H

296 - 1297

1168 - 4873

D-E

Maximum Web Forces Per Ply (lbs)							
Webs	Tens.Comp.		Webs	Tens. Comp			
C-K	2073	- 569	E-J	1104	-74		
M-K	3077	-672	J-F	172	- 799		
K-E	1035	- 307	F-1	126	-458		
D-K	359	-649					



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SEQN: 750118 COMN Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 Ply: 1 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.0959.54400 Page 1 of 2 Truss Label: G01 KD / DF 02/16/2024 15'7"6 2'10"2 9'3"10 21'11"1 28'2"13 34'6"8 41 2'10"2 6'5"8 6'3"12 6'3"12 6'3"12 6'3"12 6'5"8 5X10 ≡4X8 D ≡5X6 E ≡5X5 G =4X10 H ≢6X12 C 112X4 =H0610 W12 W14 3'10"2 W4 ⊕9'1"2 B2 N B3 L = 8X10 = M = H0710 =8X12 1114X10 ≡3X12 **■3**X10 =4X8 =4X10 1'6" 2'10"2 6'5"8 6'3"12 6'3"12 6'3"12 6'3"12 6'5"8 2'10"2 9'3"10 15'7"6 21'11"1 28'2"13 34'6"8 41

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 7-22 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): 0.560 F 878 240 VERT(CL): 1.134 F 433 180 HORZ(LL): 0.113 C -
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 4.10 ft Loc. from endwall: not in 6.50 ft GCpi: 0.18 Wind Duration: 1.60	Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.229 C Creep Factor: 2.0 Max TC CSI: 0.907 Max BC CSI: 0.680 Max Web CSI: 0.939 VIEW Ver: 23.02.04.0123.14
Lumbar	11110 0 01010111 1100	WAVE, HS	THE TEN BOUNDARY TO THOU IT

Lumber

Top chord: 2x4 SP M-31; T1 2x4 SP #2; Bot chord: 2x6 SP #2; B2,B3 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W2,W4,W12 2x4 SP #2; W14 2x4 SP M-31;

(a) Continuous lateral restraint equally spaced on member.

Special Loads

(Lumber	Dur.Fac.=1	25 / Plate I	Dur.Fac.=1.3	25)
TC: From	64 plf at	-1.50 to	64 plf at	2.85
TC: From	32 plf at	2.85 to	32 plf at	41.00
BC: From	5 plf at	-1.50 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	2.78
BC: From	10 plf at	2.78 to	10 plf at	41.00
BC: 245 lb	Conc. Load	at 2.78	355	
BC: 194 lb	Conc. Load	at 4.81, 6.	81, 8.81, 10	.81
12.81,14.81,	16.81,18.81,	20.81,22.81	1,24.81,26.8	31
28 81 30 81 3	32 81 34 81	36 81 38 81	1 40 56	

Purlins

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

Wind Wind loads and reactions based on MWFRS.

End verticals not exposed to wind pressure. Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 3-10-2

Q 2948 /-1-/815 1-2933 /-1-/882 1-Wind reactions based on MWFRS Brg Wid = 4.0 Min Req = 3.5 (Truss) Brg Wid = -Min Reg = -Bearing Q 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. 2525 -8474 B-C 797 - 2840 F-G C-D 1753 - 5963 G-H 2172 - 7275 D-E 2378 - 8018 1356 - 4533 H-1 2525 - 8474

/Rh

Non-Gravity

/RL

/Rw 10

▲ Maximum Reactions (Ibs)

Gravity

/R

Loc R+

D-N

N-E

Maximum Bot Chord Forces Per Ply (lbs)						
Chords	Tens.Comp.	Chords	Tens.	Comp.		
P-0	2316 -646	M - L	7345	-2193		
0 - N	6074 - 1787	L-K	4679	- 1400		
N - M	8055 - 2391					

Maximum Web Forces Per Ply (lbs)						
Webs	Tens.Comp.	Webs	Tens.	Comp.		
B-Q	852 - 3004	E - M	482	- 154		
B-P	2632 - 735	M-G	1296	- 380		
C-P	247 -649	G-L	258	-832		
C-O	4158 - 1261	L-H	2997	-891		
O-D	417 - 1324	H-K	531	- 1731		

K-1

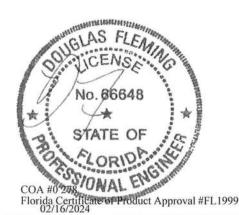
5157

776 -2576

- 1542

2244 - 682

148 -436



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SEON: 750118 COMN Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Bell Res. Qtv: 1 DrwNo: 047.24.0959.54400 Page 2 of 2 Truss Label: G01 KD / DF 02/16/2024

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

Bearing at location x=40'9" uses the following support conditions: 40'9" Bearing J (40'9", 9'1"2) HUS26 Supporting Member: (2)2x6 SP 2400f-2.0E (14) 0.162"x3.5" nails into supporting member. (6) 0.162"x3.5" nails into supported member.



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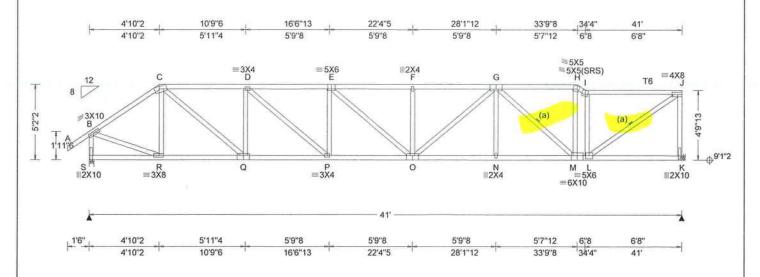
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SEQN: 750131 COMN Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 DrwNo: 047.24.0959.57570 FROM: CDM Qty: 1 Bell Res Page 1 of 2 Truss Label: G02 KD / DF 02/16/2024



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 7-22 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): 0.262 F 999 240 VERT(CL): 0.548 F 898 180 HORZ(LL): 0.073 C -
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	es Ld: 40.00 CBCLL: 10.00 Offit: 2.00 Dad Duration: 1.25 EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h	Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.152 C Creep Factor: 2.0 Max TC CSI: 0.648 Max BC CSI: 0.831 Max Web CSI: 0.974
1	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14

Lumber

Top chord: 2x4 SP #2; T6 2x4 SP M-31; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member

Plating Notes

All plates are 5X10 except as noted.

Purlins

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

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

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

S 18	28 /	-	1-		/1017	/322	/131
K 17	21 /	-	1-		/847	/322	1-
Wind r	eactio	ons b	ased	on MV	/FRS		
S Br	g Wie	d = 4	0 N	In Red	q = 2.2	(Trus	s)
K Br	g Wie	d = -	N	In Red	q = -		10.70
Popring	a Sie	ario	id sur	face.	(6)		
Dearing	9 0 10						
Membe					es less	than :	375#
	ers no	ot liste	ed hav	ve forc	and trans		
Member Maxim	ers no	ot liste	ed hav	e force	s Per	Ply (lb	
Member Maxim	ers no um 1	ot liste	ed have chord omp.	e force	s Per ords	Ply (lb	s)
Member Maxim Chords	ers no um 1 s Te	ot liste Fop C ns.Cc	ed have chord omp. 1931	ve force Force Ch	es Per ords G	Ply (Ib Tens.	s) Comp.
Member Maxim Chords B - C	ers no um 1 s Te	ot liste Fop C ns.Cc 593 -	chord omp. 1931 2803	ve force Force Ch	es Per ords G H	Ply (lb Tens. 1306	s) Comp. -3621

/Rh

Non-Gravity

/RL

/Rw /U

▲ Maximum Reactions (Ibs)

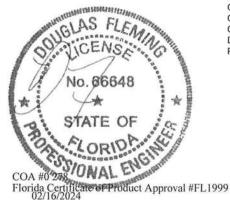
Gravity

/ R-

Loc R+

Maximum Bot Chord Forces Per Ply (lbs)						
Chords R - Q	Tens.Comp.	Chords	Tens. Comp.			
	1538 -614	O - N	3143	- 1186		
Q-P	2860 - 1078	N - M	3143	- 1186		
P-0	3518 - 1233	M-L	2154	- 840		

Webs	Tens.0		Webs		
B-S	667	- 1788	O - G	650	-232
B-R	1610	-469	G-M	441	- 1334
C-R	208	- 395	M - H	959	-338
C-Q	1653	- 575	1-L	680	- 1424
Q-D	429	- 952	L-J	2529	- 976
D-P	846	- 293	J-K	712	- 1661
P-F	255	- 445			



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SEQN: 750131 COMN Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 1 Bell Res DrwNo: 047 24 0959 57570 Page 2 of 2 Truss Label: G02 KD / DF 02/16/2024

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

Bearing at location x=40'9" uses the following support conditions: 40'9" Bearing K (40'9", 9'1"2) HUS26 Supporting Member: (2)2x6 SP 2400f-2.0E (14) 0.148"x3" nails into supporting member, (4) 0.148"x3" nails into supported member.



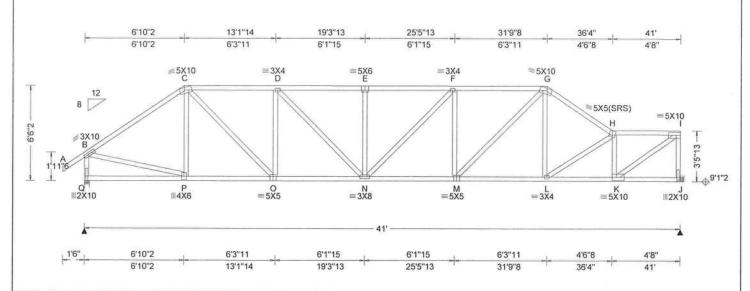
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEON: 750134 COMN Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.1000.00030 Truss Label: G03 / DF 02/16/2024



Loading Criteria (psf)	ding Criteria (psf) Wind Criteria Sno		DefI/CSI Criteria		
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00	Wind Std: ASCE 7-22 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): 0.185 E 999 240 VERT(CL): 0.387 E 999 180 HORZ(LL): 0.055 C HORZ(TL): 0.116 C		
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: 4.10 ft Loc. from endwall: not in 6.50 ft GCpi: 0.18 Wind Duration: 1.60	Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Creep Factor: 2.0 Max TC CSI: 0.781 Max BC CSI: 0.684 Max Web CSI: 0.998 VIEW Ver: 23.02.04.0123.14		

Lumber

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

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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=40'9" uses the following support conditions: 40'9" Bearing J (40'9", 9'1"2) HUS26 Supporting Member: (2)2x6 SP 2400f-2.0E (14) 0.148"x3" nails into supporting

member, (4) 0.148"x3" nails into supported member.

Purlins

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

Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

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

Gravity			Non-Gravity			
Loc	R+	/R-	/Rh	/Rw	/ U	/RL
Q	1828	1-	1-	/1038	/322	/151
J	1721	1-	1-	/899	/310	1-
Win	d read	ctions b	ased or	MWFRS		
Q	Brg V	Vid = 4.	0 Mir	Req = 2.2	(Trus	s)
J	Brg V	Vid = -	Mir	Reg = -		
Bea	ring Q	is a rig	id surfa	ace.		
Men	nbers	not liste	ed have	forces less	than :	375#
Max	imum	Top C	hord F	orces Per	Ply (lb	s)
Cho	rds T	ens.Co	mp.	Chords	Tens.	Comp.
B - 0	С	715 -	2067	F-G	1063	-2693
C - I	D	964 -	2484	G-H	925	-2491
D - I	E	1069 -	2860	H-1	767	-2129

▲ Maximum Reactions (lbs)

1069 - 2860

E-F

D-N

491 -201

Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.Comp.		Chords	Tens. Comp.			
P-0	1625	- 547	M-L	2013	-697		
0 - N	2518	- 859	L-K	2263	-822		
N - M	2719	- 947					

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. B-Q 650 - 1768 307 - 559 B-P 1630 -436 964 -343 M-G C-0 1217 -425 H-K 612 - 1469 0 - D -942 361 - 746 K-I 2621

1 - J

656

- 1676



COA #0 278
Florida Certificate of Product Approval #FL1999 02/16/2024

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

SEQN: 750137 COMN Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Bell Res. Qtv: 1 DrwNo: 047.24.1000.01977 Truss Label: G04 KD / DF 02/16/2024 4'5"1 8'10"2 15'10"8 22'9"2 29'9"8 34'0"12 38'4" 41' 4'5"1 4'5"1 7'0"6 6'10"10 7'0"6 4'3"4 4'3"4 2'8' ≅5X10 G ≤5X10 ≡5X6 ≅5X5(SRS) ≡4X8 3X10 B ⊕9'1"2 Q M =3X8 = 5X6 = 3X8 N ≡5X5 112X10 41 4'5"1 4'5"1 7'0"6 6'10"10 7'0"6 4'3"4 4'3"4 2'8" 4'5"1 8'10"2 15'10"8 22'9"2 29'9"8 34'0"12 38'4" 41

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 7-22 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: 4.10 ft Loc. from endwall: not in 6.50 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	PP Deflection in loc L/defl L/# VERT(LL): 0.144 F 999 240 VERT(CL): 0.300 F 999 180 HORZ(LL): 0.052 K -		
Des Ld: 40.00 Me NCBCLL: 10.00 Soffit: 2.00 BC Load Duration: 1.25 Mc Spacing: 24.0 " C8		Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.110 K Creep Factor: 2.0 Max TC CSI: 0.682 Max BC CSI: 0.694 Max Web CSI: 0.654		
		WAVE	VIEW Ver: 23.02.04.0123.14		

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; W16 2x4 SP #2;

Plating Notes

All plates are 3X4 except as noted.

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=40'9" uses the following support conditions: 40'9" Bearing K (40'9", 9'1"2) HUS26

Supporting Member: (2)2x6 SP 2400f-2.0E (14) 0.148"x3" nails into supporting member.

(4) 0.148"x3" nails into supported member.

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

Wind

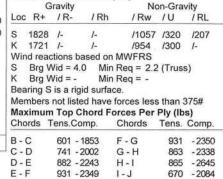
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 7-10-2.



▲ Maximum Reactions (Ibs)

Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.C	Comp.	Chords	Tens.	Comp.		
R-Q	1496	- 440	0 - N	1889	-539		
Q-P	1609	-452	N - M	2137	-648		

-760

P - 0 2264 -677 M-L 2333 Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
B-S	609	- 1787	0 - G	674	-259
B-R	1565	- 392	G-N	446	-65
R-C	186	-475	1 - L	578	- 1594
D-P	939	- 331	L-J	2636	-847
P-E	316	- 553	J-K	567	- 1687
F-0	327	- 444			



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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: 750141 COMN Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.1000.04697 Truss Label: G05 Page 1 of 2 / DF 02/16/2024 10'10"2 15'3"1 23'8"12 34'9"9 5'2' 19'8' 27'9"8 41 5'2' 5'8"2 4'4"15 4'4"15 4'0"12 4'0"12 1'2"8 5'9"9 6'2"7 =5<u>X</u>6 $=3\times6$ $\equiv 5X6$ 5X5 ≤4X4 -⊕10'1"2 ON U II2X4 <u>-</u>4"7 ₋⊕9'1"2 115X6 12 $\equiv 4X4$ =3X5(B1) =5X6 10'2' 30'10" 4'11"1 4'4"15 4'0"12 4'0"12 5'9"9 5'2 23'8"12 27'9"8 29 34'9"9 Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (Ibs) Wind Std: ASCE 7-22 Ct: NA CAT: NA 20.00 Pg: NA PP Deflection in loc L/defl L/# TCLL: Speed: 130 mph 999 240 TCDL: 10.00 Pf: NA Ce: NA VERT(LL): 0.066 N Enclosure: Closed BCLL: 0.00 Lu: NA Cs: NA VERT(CL): 0.139 N 999 180 Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.038 L EXP: C Kzt: NA HORZ(TL): 0.081 L Des Ld: 40.00 Mean Height: 15.00 ft **Building Code:** Creep Factor: 2.0 NCBCLL: 10.00 TCDL: 5.0 psf FBC 8th Ed. 2023 Res. HVHZ Max TC CSI: 0.630 Soffit: 2.00 BCDL: 5.0 psf TPI Std: 2014 Max BC CSI: 0.472 Load Duration: 1.25 MWFRS Parallel Dist: h/2 to h Rep Fac: Yes Max Web CSI: 0.944 Spacing: 24.0 " C&C Dist a: 4.10 ft FT/RT:20(0)/10(0) Loc. from endwall: not in 13.00 ft Plate Type(s): GCpi: 0.18

Lumber

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

Lt Slider: 2x6 SP #2; block length = 1.677'

(a) Continuous lateral restraint equally spaced on member.

Wind Duration: 1.60

WAVE

Plating Notes

All plates are 3X4 except as noted.

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

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

Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -258# MAX, from a non-wind load case requires uplift connection. See Maximum

The overall height of this truss excluding overhang is 8-2-2.



VIEW Ver: 23.02.04.0123.14

Gravity				Non-Gravity			
Loc	R+	/R-	/Rh	/Rw	/ U	/RL	
В	232	/-258	1-	/87	/71	/289	
Т	2462	1-	1-	/1347	/340	1-	
L	1120	1-	1-	1737	/200	1-	
Wir	d read	ctions ba	ased on	MWFRS			
В	Brg V	Vid = 4.	0 Min	Req = 1.5	(Trus	s)	
T	Brg V	Vid = 4.0	0 Min	Req = 2.9	(Trus	s)	
L	Brg V	Vid = -	Min	Reg = -			
Bea	rings	B&Ta	re a rigi	d surface.			
Mer	mbers	not liste	d have	forces less	than 3	375#	
Max	cimun	Top C	hord F	orces Per	Ply (lb	s)	
				Chords			
B -	С	683 -	237	H-1	518	- 1102	
C-	D	657	_ 08	1 - 1	570	- 1243	

B-C	683	- 237	H - I	518	- 1102
C-D	657	- 98	1 - J	570	- 1243
D-E	989	- 109	J-K	519	- 1398
F-G	452	-978	K-L	483	- 1657
G-H	452	- 978			

Maximum Bot Chord Forces Per Ply (lbs)

Cnords	Tens.Comp.		Choras	Tens. Comp.	
B-U	184	- 491	Q-P	1060	- 166
U - T	183	-492	P-N	1103	- 195
T - S	342	-691	M - L	1297	- 303
R-Q	1179	-218			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
D-T	210 -510	F-R	1212	- 330
T - E	484 - 1833	P-1	397	- 189
E-S	1298 - 378	P-J	228	-419
S-F	441 - 1230	N - M	1288	-304

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For more information see these web sites: Alpine; alpineity com: TPI: long or Sec. 2.



SEQN: 750141 COMN Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.1000.04697 Page 2 of 2 Truss Label: G05 KD / DF 02/16/2024

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

Bearing at location x=40'9" uses the following Bearing L (40'9", 9'1"2) LUS26
Supporting Member: (2)2x6 SP 2400f-2.0E
(4) 0.148"x3" nails into supporting member, (4) 0.148"x3" nails into supported member.



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Cust: R 215 JRef: 1XXd2150008 SEQN: 750151 COMN Job Number: 24-0616 FROM: CDM Bell Res. Qtv: 1 DrwNo: 047.24.1000.06630 Truss Label: G06 KD / DF 02/16/2024 5'2" 10'4" 12'10"2 19'8" 25'9"8 29 34'9"9 5'2" 5'2" 2'6"2 6'9"14 6'1"8 3'2"8 5'9"9 6'2"7 M6X8 112X4 =5X6 3X4 5X5 Q ≡5X10 P ≋3X4 ф 10'1"2 ON ф^{9'1"2} **∥2X4** ≡5X10 12 = M = 4X4 = 5X6 ||2X4 =3X5(A1) 10'2" 30'10" 2'6"2 6'1"8 3'2"8 5'9"9 6'2"7 1'6" 5'2" 10'4 12'10"2 19'8' 25'9"8 29' 34'9"9 41 ▲ Maximum Reactions (Ibs) 40 80

Coading Criteria (psf) TCLL:	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.10 ft Loc. from endwall: not in 13.00 ft		DefI/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.068 P 999 24 VERT(CL): 0.143 P 999 18 HORZ(LL): 0.042 K HORZ(TL): 0.088 K Creep Factor: 2.0 Max TC CSI: 0.558 Max BC CSI: 0.476 Max Web CSI: 0.566		
Lumber	GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): WAVE	VIEW Ver: 23.02.04.0123.14		

Gravity				Non-Gravity			
Loc	R+	/ R-	/Rh	/Rw	/U	/RL	
В	338	/-70	1-	/173	147	/329	
S	2198	1-	1-	/1244	1-	1-	
K	1185	1-	1-	1779	/62	1-	
Win	d read	tions bas	sed on f	MWFRS			
В	Brg V	Vid = 4.0	Min I	Req = 1.5	(Truss	s)	
S	Brg V	Vid = 4.0	Min f	Reg = 2.6	(Truss	s)	
K	Brg V	Vid = 4.0	Min F	Req = 1.5	(Truss	s)	
Bea	rings l	B, S, & K	are a ri	gid surfac	ce.		
Mer	nbers	not listed	have for	orces less	than 3	375#	
Max	imum	Top Ch	ord Fo	rces Per	Ply (lb	s)	
Cho	rds T	ens.Con	np. (Chords	Tens.	Comp	
B - 0	0	404 -	189	H-I	537	- 1283	

B-C	404 - 189	H-1	537	- 1283
D-E	644 0	1 - J	525	- 1527
F-G	484 - 1026	J-K	487	- 1762
G-H	483 - 1026			

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

Lt Slider: 2x8 SP #2; block length = 1.677'

(a) Continuous lateral restraint equally spaced on member.

Purlins

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 9-6-2.



Choras	rens.c	omp.	Choras	rens.	Comp.	
S-R	260	-521	P - N	1241	-203	
Q-P	1093	- 124	M - K	1383	- 305	

Maximum Web Forces Per Ply (lbs)

vvebs	Tens.Comp.	Webs	Tens. Comp	
D-S	167 - 436	F-Q	1388	- 367
E-S	391 - 1695	G-Q	335	-459
E-R	1287 - 234	P-H	427	- 130
F-R	305 - 1248	N - M	1375	- 306



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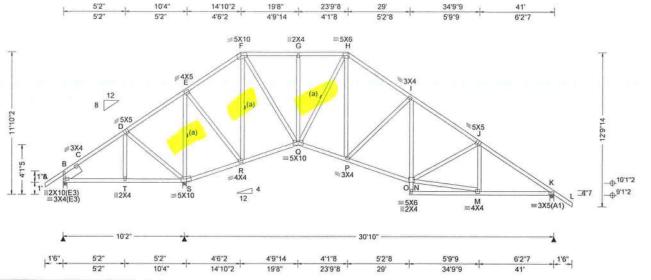
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Cust: R 215 JRef: 1XXd2150008 SEQN: 750154 COMN Job Number: 24-0616 FROM: CDM Bell Res Qtv: 1 DrwNo: 047.24.1000.08213 Truss Label: G07 KD / DF 02/16/2024

34'9"9

19'8'



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria		
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.20 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.10 ft Loc. from endwall: not in 13.00 ft	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.064 N 999 240 VERT(CL): 0.134 N 999 180 HORZ(LL): 0.038 K -		
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "		Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.079 K Creep Factor: 2.0 Max TC CSI: 0.389 Max BC CSI: 0.478 Max Web CSI: 0.534		
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14		

10'4"

		ım Kea ravity	ctions (-0.00 M	n-Gra	vity
Lo	c R+	/ R-	/Rh	/ Rw	/U	/RL
В	358	/-26	1-	/183	/43	/369
S	2141	1-	1-	/1243	1-	1-
K	1199	1-	1-	1792	/56	1-
Wi	nd read	tions b	ased on	MWFRS		
В	Brg V	Vid = 4.	0 Min	Req = 1.5	(Trus	s)
S	Brg V	Vid = 4.	0 Min	Req = 2.5	(Trus	s)
K	Brg V	Vid = 4.	0 Min	Req = 1.5	(Trus	s)
Be	arings I	3, S, &	K are a r	igid surfac	ce.	55
				orces less		375#
Ma	ximum	Top C	hord Fo	rces Per	Ply (lb	s)
Ch	ords T	ens.Co	mp.	Chords	Tens.	Comp

D-E	573	0	H-1	490	- 1215
E-F	325	-417	I - J	506	- 1562
F-G	441	- 855	J - K	470	- 1785
G-H	441	- 855			

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2;

Webs: 2x4 SP #3;

(a) Continuous lateral restraint equally spaced on member.

Lt Slider: 2x8 SP #2; block length = 1.677'

Purlins

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-10-2.



Maximum Bot Chord Forces Per Ply (lbs)

hords	Tens.Comp. Chords		Chords	Tens. Comp		
- R	229	- 480	P-N	1289	- 203	
- P	989	- 52	M-K	1401	- 289	

Maximum Web Forces Per Ply (lbs)

S Q

Webs	Tens.Comp.	Webs	Tens.	Comp.
D-S	159 -419	F-Q	1065	-238
E-S	371 - 1642	P-H	475	- 135
E-R	1127 - 148	P-1	212	- 409
F-R	199 - 1013	N-M	1399	- 287

COA #0278
Florida Certificate of Product Approval #FL1999
02/16/2024

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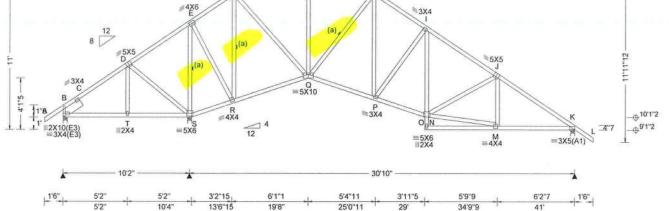
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SEQN: 750158 COMN Job Number: 24-0616 Ply: 1 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Bell Res Qty: 3 DrwNo: 047.24.1000.10517 Truss Label: G08 KD / DF 02/16/2024





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	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.69 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.10 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18	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): 0.066 N 999 240 VERT(CL): 0.139 N 999 180 HORZ(LL): 0.040 K HORZ(TL): 0.083 K
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "		Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Creep Factor: 2.0 Max TC CSI: 0.429 Max BC CSI: 0.465 Max Web CSI: 0.543
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14

CDL: 10.00	Risk Category: II EXP: C Kzt: NA	Snow Duration: NA	HORZ(LL): 0.040 K
es Ld: 40.00 CBCLL: 10.00 offit: 2.00 and Duration: 1. pacing: 24.0 "	Mean Height: 16.69 ft TCDL: 5.0 psf BCDL: 5.0 psf	Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.083 K Creep Factor: 2.0 Max TC CSI: 0.429 Max BC CSI: 0.465 Max Web CSI: 0.543
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14
umber		Business Annual Control	

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

Lt Slider: 2x8 SP #2; block length = 1.677'

(a) Continuous lateral restraint equally spaced on member.

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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

Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
Pg: NA Ct: NA CAT: NA	
Pf: NA Ce: NA	VERT(LL): 0.066 N 999 240
Lu: NA Cs: NA	VERT(CL): 0.139 N 999 180
Snow Duration: NA	HORZ(LL): 0.040 K
	HORZ(TL): 0.083 K
Building Code:	Creep Factor: 2.0
FBC 8th Ed. 2023 Res. HVH2	Max TC CSI: 0.429
TPI Std: 2014	Max BC CSI: 0.465
Rep Fac: Yes	Max Web CSI: 0.543
FT/RT:20(0)/10(0)	
Plate Type(s):	
WAVE	VIEW Ver: 23.02.04.0123.14

Landan Salah			e forces les Forces Pe		
Chords	Tens.C	Comp.	Chords	Tens.	Comp.
B - C	390	- 197	H-I	146	- 1251
D-E	621	0	1-J	174	- 1526
F-G	26	- 948	J-K	179	- 1746
G-H	26	- 948			

Brg Wid = 4.0 Min Req = 1.5 (Truss)

Non-Gravity

/RL

/365

/Rw /U

/167

/889

Min Req = 2.6 (Truss)

Min Req = 1.5 (Truss)

/1280

▲ Maximum Reactions (Ibs) Gravity

Wind reactions based on MWFRS

Bearings B, S, & K are a rigid surface.

/Rh

Loc R+

2175 1-

1295 /-

Brg Wid = 4.0

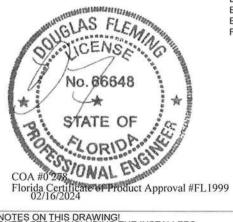
Brg Wid = 4.0

В 345

В

Maximum Bot Chord Forces Per Ply (lbs)						
Chords	Tens.C	Comp.	Chords	Tens.	Comp.	
S-R	141	- 508	P-N	1248	0	
OP	1047	0	NA W	1264	22	

Maximum Web Forces Per Ply (lbs)					
Webs	Tens.C	omp.	Webs	Tens. (Comp.
D-S	148	-433	F-Q	1247	0
E-S	0 -	1670	G-Q	0	-402
E-R	1208	0	P - H	437	-213
F-R	0 -	1151	N - M	1358	-23

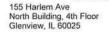


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SEQN: 750161 COMN Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 4 Bell Res DrwNo: 047.24.1000.11980 Truss Label: G09 KD / DF 02/16/2024 10'4' 15'0"15 5'2" 4'8"15 4'7"1 3'10"11 5'5"5 4'6" ≡5X6 5X5 8 2 113X4 ≡5X10 0 3X4 Q ≶3X4 4"7 ⊕^{10′1″2} 12 4 = N = 5X6 M ≡3X5 S II2X4 =5X6 10'2" 27'10" 4'8"15 5'2" 3'10"11 10'4

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 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.98 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.80 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.043 O 999 240 VERT(CL): 0.087 O 999 180 HORZ(LL): 0.027 L -
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "		Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.054 L Creep Factor: 2.0 Max TC CSI: 0.333 Max BC CSI: 0.352 Max Web CSI: 0.465 VIEW Ver: 23.02.04.0123.14

15'0"15

19'8

23'6"11

29

33'6'

▲ Maximum Reactions (lbs)

Gravity P+

Chords Tens.Comp.

393

880

Tens.Comp.

150 -394

939

0 -815

Q-P

P-0

Webs

D-R

E-R

E-Q

F-Q

LOC	, K+	/ K-	/ Kn	/ RW	70	/ KL
В	424	1-	1-	/242	/50	/324
R	1858	1-	1-	/1123	1-	1-
L	1103	1-	1-	/707	1-	1-
Wir	nd read	tions ba	sed on N	IWFRS		
В	Brg V	Vid = 4.0	Min F	Req = 1.5	(Trus	s)
R	Brg V	Vid = 4.0	Min F	Req = 2.2	(Trus	s)
L	Brg V	Vid = 4.0	Min F	Req = 1.5	(Trus	s)
Bea	arings (B, R, & L	are a ri	gid surfac	e.	
Mei	mbers	not listed	d have fo	orces less	than	375#
Ma	ximum	Top Ch	ord For	ces Per	Ply (lb	s)
Cho	ords T	ens.Cor	np. (Chords	Tens.	Comp.
	500	7650 8		35 64	13000	

Non-Gravity

Tens. Comp.

Tens. Comp.

0

0

-57

-70

1021

1048

874

1042

158 - 1064

E-F	166	- 523	H-I	160	- 1091
F-G	116	-812	1 - J	201	- 1219
G-H	116	-812	J-K	166	- 1320

Chords

0 - N

N-M

Webs

F-P

M-K

K-L

Maximum Bot Chord Forces Per Ply (lbs)

-88

Maximum Web Forces Per Ply (lbs)

0 - 1430

0

0

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

(a) Continuous lateral restraint equally spaced on member.

Webs: 2x4 SP #3; Lt Slider: 2x8 SP #2; block length = 1.677'

Loading

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

Purlins

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

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

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



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SEQN: 750164 COMN Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.1000.13550 Truss Label: G10 KD / DF 02/16/2024 10'4 15'0"15 19'8 23'6"11 33'6" 5'2 5'2 4'8"15 4'7"1 3'10"11 5'5"5 4'6' 4'6" ≡5X6 =5X6 5X5 12 13X4 =5X10 —ф¹0′1°2 12 4 =5X6 N ≡5X6 112X S III2X4 4'8"15 3'10"11 5'5"5 10'4 15'0"15 19'8 23'6"11 29

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	Odo Dist a. 5.00 it	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): 0.042 O 999 240 VERT(CL): 0.088 O 999 180 HORZ(LL): 0.025 L
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "		Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.053 L Creep Factor: 2.0 Max TC CSI: 0.333 Max BC CSI: 0.353 Max Web CSI: 0.465 VIEW Ver: 23.02.04.0123.14

	G	ravity		1	Non-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/U	/RL
B*	214	1-	1-	/131	1-	/31
L	1099	1-	1-	/703	1-	1-
Wir	nd read	tions b	ased o	n MWFRS		
В	Brg V	Vid = 1	23 Mi	in Req = -		
L	Brg V	Vid = 4	.0 Mi	in Reg = 1	.5 (Trus	s)
Bea	rings l	B&La	re a ric	id surface		
			7.07.00	e forces le		375#
Max	kimum	Top (Chord I	Forces Pe	r Ply (lb	s)
				Chords		
E-	F	150	- 515	H-I	150	- 1083
F -	G	104	- 802	1 - J	193	- 1213
G-	H	104	- 802	J-K	159	- 1315

Maximum Bot Chord Forces Per Ply (lbs)

0

0

Maximum Web Forces Per Ply (lbs)

0 - 1429

Chords

0 - N

N-M

Webs

F-P

M-K

K-L

Tens. Comp.

Tens. Comp

0

0

-51

-64

1016

1044

874

1038

152 - 1060

Chords Tens.Comp.

421 - 102

873

226 - 389

935

0 -812

Tens.Comp.

Q-P

P-0

D-R

E-R

E-Q

F-Q

Lumber

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

Webs: 2x4 SP #3; Lt Slider: 2x8 SP #2; block length = 1.677'

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

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

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

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



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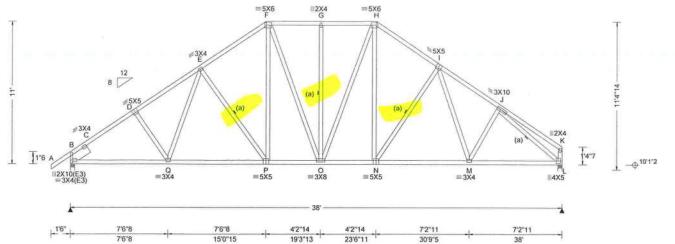
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North Building, 4th Floor Glenview, IL 60025

SEON: 750167 COMN Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 4 Bell Res DrwNo: 047.24.1000.15103 Truss Label: G11 KD / DF 02/16/2024 10'0"10 15'0"15 5'0"5 19'3"13 23'6"11 28'4"7 33'2"4 38 5'0"5 5'0"5 5'0'5 4'2"14 4'2"14 4'9"12 4'9"12 4'9"12 ≡5X6 E2X4 =5X6 H



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria		
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Std: ASCE 7-22 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): 0.133 P 999 240 VERT(CL): 0.244 P 999 180 HORZ(LL): 0.063 K -		
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " Des Ld: 40.00 Mean Height: 16.98 ft TCDL: 5.0 psf BCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.80 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.116 K			
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14		

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

Lt Slider: 2x8 SP #2; block length = 1.643'

(a) Continuous lateral restraint equally spaced on member.

Loading

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

Purlins

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

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

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

B-C 239 - 2702 F-G 213 - 1698 C-D 210 - 2612 G-H 213 D-E 246 - 2474 H-1 229 F-F 227 - 2077 1-1 256

▲ Maximum Reactions (Ibs)

Wind reactions based on MWFRS

Gravity

Brg Wid = 4.0 Brg Wid = 4.0Bearings B & L are a rigid surface.

Chords Tens.Comp.

/R-

Loc R+

B

1929 /-

1826 /-

Maximum Bot Chord Forces Per Ply (lbs)

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

Chords B - Q	Tens.C	Comp.	Chords	Tens. Comp.		
	2042	- 117	0 - N	1618	0	
Q-P	1919	-4	N - M	1832	0	
P - O	1643	0	M - L	1859	- 96	

Non-Gravity

/RL

/324

1-

Tens. Comp.

- 1698

-2037

-2359

/Rw /U

/1050 /-

/948

Min Req = 2.3 (Truss) Min Req = 2.2 (Truss)

Chords

Maximum Web Forces Per Ply (lbs)

vvebs	Tens.C	omp.	vvebs	Tens.	Comp.
E-P	231	-481	N - I	220	- 388
F-P	670	- 126	J-L	121	-2418
H - N	587	- 124			



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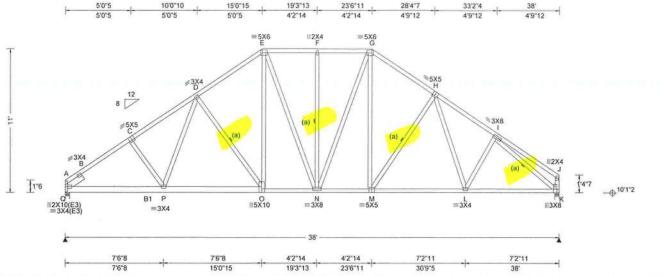
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For more information see these web sites: Alpine; alpineity com: TPI binst org SRCA sheacomponents com: ICC: iccsafe org: AWC: away org.



SEON: 750225 Job Number: 24-0616 COMN Ply: 1 Cust: R 215 JRef: 1XXd2150008 T7 FROM: CDM Bell Res Qty: 1 DrwNo: 047.24.1000.16670 Truss Label: G12 KD / DF 02/16/2024



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 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.80 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	PP Deflection in loc L/defl L/# VERT(LL): 0.080 F 999 240 VERT(CL): 0.167 F 999 180 HORZ(LL): 0.037 J -		
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "		Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.077 J - Creep Factor: 2.0 Max TC CSI: 0.323 Max BC CSI: 0.681 Max Web CSI: 0.534		
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14		
Lumber					

_	_	_	_	_	_
		m			

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2; B1 2x6 SP 2400f-2.0E;

Webs: 2x4 SP #3;

Lt Slider: 2x6 SP #2; block length = 1.550'

(a) Continuous lateral restraint equally spaced on member.

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

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

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

Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
Pf: NA Ce: NA	VERT(LL): 0.080 F 999 240
Lu: NA Cs: NA	VERT(CL): 0.167 F 999 180
Snow Duration: NA	HORZ(LL): 0.037 J
	HORZ(TL): 0.077 J
Building Code:	Creep Factor: 2.0
FBC 8th Ed. 2023 Res. HVHZ	Max TC CSI: 0.323
TPI Std: 2014	Max BC CSI: 0.681
Rep Fac: Yes	Max Web CSI: 0.534
FT/RT:20(0)/10(0)	
Plate Type(s):	
THE STATE OF THE PROPERTY OF THE PARTY OF TH	

F	999	240	Loc	R+	/ R-	/Rh	/Rw	/U	/ RL
F	999	180	Q	1594	1-	/-	/958	1-	/292
J			K	1595	1-	1-	/948	1-	1-
J			Win	d read	ctions b	ased on	MWFRS		
			Q	Brg V	Vid = 4.	0 Min	Req = 1.5	5 (Trus	s)
323			K	Brg V	Vid = 4.	0 Min	Req = 1.9	9 (Trus	s)
81			Bea	rings (Q&Ka	re a rigi	d surface.		
34			Men	nbers	not liste	ed have	forces les	s than	375#
334			Max	imun	Top C	hord F	orces Per	Ply (It	s)
			Cho	rds T	ens.Co	mp.	Chords	Tens.	Com
4 0	123.14	4	A-E	3	344 -	2342	E-F	217	- 14
-			B - 0	3	232 -	2291	F-G	217	- 142

Tens.Comp.	Chords	Tens.	Comp.
344 - 2342	E-F	217	- 1425
232 - 2291	F-G	217	- 1425
267 - 2154	G-H	234	- 1714
235 - 1750	H - I	261	- 2005
	232 - 2291 267 - 2154	344 -2342 E - F 232 -2291 F - G 267 -2154 G - H	344 -2342 E - F 217 232 -2291 F - G 217 267 -2154 G - H 234

Non-Gravity

/RL

/292

▲ Maximum Reactions (lbs) Gravity

Maximu	im Rot	Chord I	orces Per	Ply (lbs)
Chords	Tens.C	Comp.	Chords	Tens.	Comp.
A - P	1827	- 134	N - M	1350	0
P-0	1639	-9	M - L	1549	0
0 - N	1375	0	L-K	1590	- 100

Maximum Web Forces Per Ply (lbs)						
Webs	Tens.C	Comp.	Webs	Tens.	Comp.	
D-0	233	-457	G - M	443	- 127	
F - O	496	- 132	1 - K	126	- 2056	



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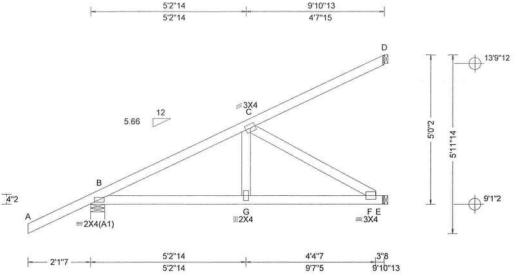
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For more information see these web sites: Alpine; alpineity com. TPI instructure is the responsibility and second the structure of the design shown. The suitability and use of this drawing for any structure is the responsibility and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2.



SEQN: 750065 HIP Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.1000.20847 Truss Label: HJ01 KD / DF 02/16/2024



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 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.017 G 999 240 VERT(CL): 0.035 G 999 180 HORZ(LL): 0.004 F -		
Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "		Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.009 F Creep Factor: 2.0 Max TC CSI: 0.641 Max BC CSI: 0.506 Max Web CSI: 0.313		
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14		

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.

Additional Notes

The overall height of this truss excluding overhang is 5-0-2

ia			▲ Maximum Reactions (lbs)				
n loc l	_/defl	L/#		G	Gravity		N
017 G	999	240	Loc	R+	/ R-	/Rh	/Rw
035 G	999	180	В	472	1-	1-	1-
004 F	-	2	E	375	1-	1-	1-
009 F		8	D	258	1-	1-	/-
2.0			Wir	nd rea	ctions b	ased on I	MWFRS
0.641			В	Brg V	Vid = 5.	7 Min F	Req = 1.5
0.506			E	Brg V	Vid = 1.	5 Min F	Reg = -
			D	Brg V	Vid = 1.	5 Min I	Req = -
0.313			Bea	ring E	is a rig	id surface	Э.
			Mer	mbers	not liste	ed have fo	orces les
			Max	kimun	n Top C	hord Fo	rces Per
2 04 0	123 14		Che	rda .	Tona Ca		

Brg Wid = 5.7Min Req = 1.5 (Truss) Brg Wid = 1.5Min Reg = -Brg Wid = 1.5 Min Req = earing B is a rigid surface. lembers not listed have forces less than 375# laximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B-C 96 -614

Non-Gravity

17

/RL

1-

1-/93

/Rw /U

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. G-F 525 B-G 529 -79 -81

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

C-F 95 -610



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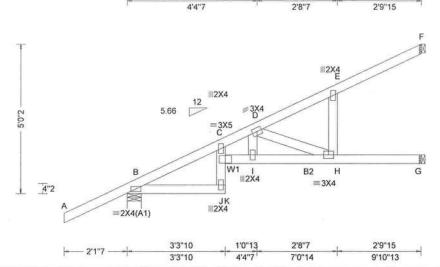
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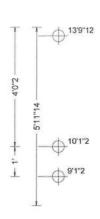
SEQN: 750057 HIP_ Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 1 Bell Res. DrwNo: 047.24.1000.23057 02/16/2024 Truss Label: HJ02 KD / DF

7'0"14

9'10"13



4'4"7



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg.Pf in PSF)	DefI/CSI Criteria		
TCLL: 20.00	Wind Std: ASCE 7-22	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): 0.221 H 529 240		
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.454 H 258 180		
BCDL: 10.00	40.00 EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf www.spratiel Dist: 0 to h/2	Snow Duration: NA	HORZ(LL): 0.105 E		
Des Ld: 40.00			HORZ(TL): 0.215 E		
NCBCLL: 0.00		Building Code:	Creep Factor: 2.0		
Soffit: 2.00		FBC 8th Ed. 2023 Res. HVHZ	Max TC CSI: 0.407		
Load Duration: 1.25		TPI Std: 2014	Max BC CSI: 0.569		
Spacing: 24.0 "		Rep Fac: No	Max Web CSI: 0.845		
		FT/RT:20(0)/10(0)			
	GCpi: 0.18	Plate Type(s):			
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14		

Gravity				Non-Gravity		
Loc	: R+	/ R-	/Rh	/Rw	/ U	/RL
В	472	1-	1-	1-	/91	1-
G	269	1-	1-	1-	/9	1-
F	364	1-	1-	1-	/90	1-
Wii	nd rea	ctions ba	sed on	MWFRS		
В	Brg V	Nid = 5.7	Min	Req = 1.5	5 (Trus	s)
G	Brg \	Nid = 1.5	Min	Req = -		
F	Brg V	Vid = 1.5	Min	Req = -		
Bea	aring E	is a rigid	d surfac	e.		
Me	mbers	not liste	d have	forces les	s than	375#
Ma	ximun	n Top Cl	nord Fo	rces Per	Ply (Ib	s)
Ch	ords '	Tens.Cor	mp.	Chords	Tens.	Comp

Maximum Bot Chord Forces Per Ply (lbs) Chords Chords Tens.Comp Tens. Comp B-K 393 -57 I-H 1117 - 165 J-1 1145 - 167

C-D

173 - 1177

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

76 - 497

D-H 171 - 1160

B-C

Top chord: 2x4 SP M-31; Bot chord: 2x4 SP #2; B2 2x4 SP M-31; Webs: 2x4 SP #3; W1 2x4 SP #2;

Loading

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

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 5-0-2.



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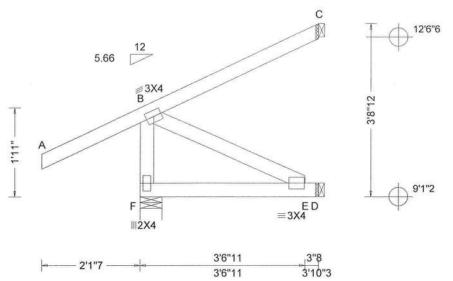
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 750113 HIP Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 Ply: 1 FROM: CDM Qty: 1 **Bell Res** DrwNo: 047.24.1000.24923 Truss Label: HJ03 KD / DF 02/16/2024



and the second s	Charles and Charle	And the second s	Manager and the second of the
Loading Criteria (psf) TCLL: 20.00	Wind Criteria Wind Std: ASCE 7-22	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/#
TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Speed: 130 mph Enclosure: Closed Risk Category: II	Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	VERT(LL): 0.001 E 999 240 VERT(CL): 0.001 E 999 180 HORZ(LL): 0.000 C
Des Ld: 40.00 NCBCLL: 0.00 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: NA GCoi: 0.18	Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.000 C Creep Factor: 2.0 Max TC CSI: 0.404 Max BC CSI: 0.034 Max Web CSI: 0.056
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14

	G	Gravity		N	on-Gra	vity
Loc	R+	/ R-	/Rh	/Rw	/U	/RL
F	199	/-	1-	1-	/49	1-
D	16	1-	1-	/12	1-	1-
C	36	1-	1-	1-	/16	1-
Win	d read	ctions ba	sed on N	MWFRS		
F	Brg V	Vid = 5.7	Min F	Req = 1.5	5 (Trus	s)
D	Brg V	Vid = 1.5	Min F	Reg = -		9859
C	Brg V	Vid = 1.5	Min F	Req = -		
Bea	ring F	is a rigid	d surface			

Lumber

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

Loading

Hipjack supports 2-8-10 setback jacks with no webs.

Wind loads and reactions based on MWFRS.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 3-8-12.



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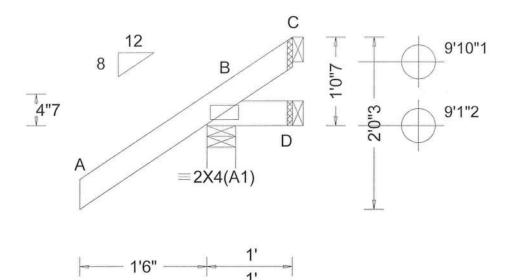
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SEQN: 750046 **JACK** Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 T10 FROM: CDM Bell Res. DrwNo: 047.24.1000.26360 Qty: 4 Truss Label: J01 KD / DF 02/16/2024



TCLL: 20.00 Wind St TCDL: 10.00 Speed: BCLL: 0.00 Enclosu BCDL: 10.00 Risk Ca EXP: C Des Ld: 40.00 Mean H NCBCLL: 10.00 TCDL: 5 Soffit: 2.00 BCDL: 0 Load Duration: 1.25 MWFRS Spacing: 24.0 C&C Discounting for the second	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Snow Criteria (Pg.Pf in PSF) Pg: NA Ct: NA CAT: NA 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): -0.000 B HORZ(LL): 0.001 B		
	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	Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.001 B Creep Factor: 2.0 Max TC CSI: 0.279 Max BC CSI: 0.044 Max Web CSI: 0.000		
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14		

Lo	: R+	Fravity / R-	/Rh	/Rw	on-Gra / U	/RL
В	261	1-	1-	/221	/63	/50
D	5	1-16	1-	/15	/17	1-
C	-	1-57	1-	/38	/68	1-
Wi	nd read	ctions b	ased on N	MWFRS		
В	Brg V	Vid = 4.	0 Min F	Req = 1.5	(Trus	s)
D	Brg V	Vid = 1.	5 Min F	Reg = -		
C	Brg V	Vid = 1.	5 Min F	Req = -		
Be	aring B	is a rig	id surface	a		
Me	mbers	not liste	ed have fo	orces les	s than	375#

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

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 1-0-7.



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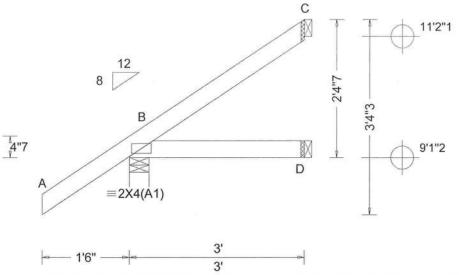
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SEQN: 750061 **JACK** Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 2 Rell Res DrwNo: 047.24.1000.28273 Truss Label: J02 KD / DF 02/16/2024



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 Std: ASCE 7-22 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): 0.001 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 Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Creep Factor: 2.0 Max TC CSI: 0.249 Max BC CSI: 0.067 Max Web CSI: 0.000 VIEW Ver: 23.02.04.0123.14

	C	Gravity		N	Non-Gravity		
Loc	: R+	/R-	/ Rh	/Rw	/U	/ RL	
В	268	1-	1-	/200	/29	/98	
D	50	1-	1-	/32	1-	1-	
C	64	1-	1-	/43	/43	1-	
Wi	nd read	ctions b	ased on N	MWFRS			
В	Brg V	Vid = 4	0 Min F	Reg = 1.5	(Trus	s)	
D	Brg V	Vid = 1.	5 Min F	Reg = -			
C	Brg V	Vid = 1.	5 Min F	Reg = -			
Bea	aring E	is a rig	id surface	1.			
Me	mbers	not liste	ed have fo	orces les	s than	375#	

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

The overall height of this truss excluding overhang is 2-4-7.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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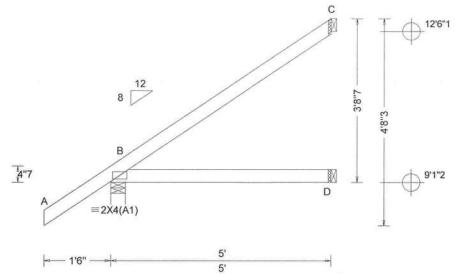
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SEQN: 750063 **JACK** Job Number: 24-0616 Ply: 1 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 2 Bell Res DrwNo: 047.24.1000.29623 Truss Label: J03 KD / DF 02/16/2024



Coading Criteria (psf) Wind Criteria		Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA 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): 0.004 B		
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	## RECLL: 10.00 Mean Height: 15.00 ft	Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.008 B		

Gravity				Non-Gravity		
Loc	R+	/ R-	/ Rh	/Rw	/ U	/RL
В	339	1-	<i>J-</i>	/240	/23	/145
D	91	1-	1-	152	1-	1-
C	131	1-	1-	/94	179	1-
Win	d read	ctions b	ased on N	MWFRS		
В	Brg V	Vid = 4.	0 Min F	Req = 1.5	(Trus	s)
D	Brg V	Vid = 1.	5 Min F	Reg = -		1000
C	Brg V	Vid = 1.	5 Min F	Reg = -		
Bea	ring B	is a rig	id surface	2.		
Mer	nbers	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 member design.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 3-8-7.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

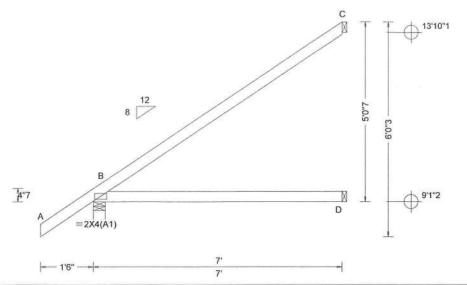
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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SEQN: 750059 EJAC Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 T11 FROM: CDM Qty: 3 Bell Res. DrwNo: 047.24.1000.31420 KD / DF 02/16/2024 Truss Label: J04



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 7-22 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): 0.013 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 GCbi: 0.18	Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.027 B - Creep Factor: 2.0 Max TC CSI: 0.747 Max BC CSI: 0.527 Max Web CSI: 0.000		
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14		

Gravity			Non-Gravity			
Loc	: R+	/ R-	/Rh	/Rw	/U	/RL
В	417	1-	1-	/287	/18	/192
D	131	1-	1-	175	1-	1-
C	193	1-	1-	/140	/114	1-
Wir	nd read	ctions b	ased on N	MWFRS		
В	Brg V	Vid = 4.	0 Min F	Reg = 1.5	(Truss	s)
D	Brg V	Vid = 1.	5 Min F	Reg = -		
C	Brg V	Vid = 1.	5 Min F	Reg = -		
Bea	aring B	is a rig	id surface).		
Me	mbers	not liste	ed have fo	orces les	s than 3	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 5-0-7.



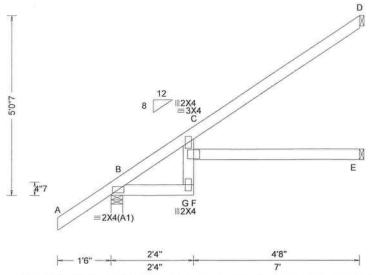
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

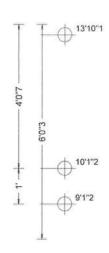
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
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SEQN: 750054 **EJAC** Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Bell Res. DrwNo: 047.24.1000.33170 Qty: 3 Truss Label: J05 KD / DF 02/16/2024





Loading Criteria (psf) TCLL: 20.00	Wind Criteria Wind Std: ASCE 7-22	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA	DefI/CSI Criteria PP Deflection in loc L/defl L/#
TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft	Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	VERT(LL): 0.178 F 461 240 VERT(CL): 0.362 F 227 180 HORZ(LL): 0.127 C HORZ(TL): 0.258 C
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Creep Factor: 2.0 Max TC CSI: 0.933 Max BC CSI: 0.346 Max Web CSI: 0.277

Gravity			Non-Gravity			
Loc	R+	/R-	/Rh	/Rw	/ U	/RL
В	417	1-	1-	/287	/18	/192
E	106	1-	1-	/62	1-	1-
D	207	1-	1-	/154	/111	1-
Wir	d read	ctions ba	sed on N	MWFRS		
В	Brg V	Vid = 4.0	Min F	Req = 1.5	(Trus	s)
E	Brg V	Vid = 1.5	Min F	Reg = -		
D	Brg V	Vid = 1.5	Min F	Req = -		
Bea	ring B	is a rigi	d surface	1.		
Mer	nbers	not liste	d have fo	rces les	s than 3	375#

Lumber

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

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

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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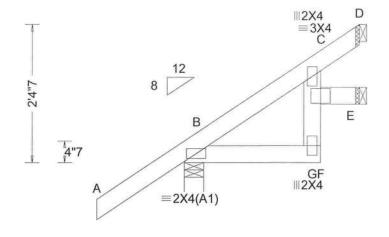
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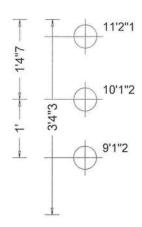
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SEQN: 750050 JACK Job Number: 24-0616 Ply: 1 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 2 Bell Res DrwNo: 047.24.1000.35427 Truss Label: J06 KD / DF 02/16/2024





11611	-1-	2'4"	8"
- 16 -	0-1-0	2'4"	3'

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 7-22 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): 0.003 F 999 240 VERT(CL): 0.005 F 999 180 HORZ(LL): 0.002 C
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.004 C Creep Factor: 2.0 Max TC CSI: 0.279 Max BC CSI: 0.045 Max Web CSI: 0.031 VIEW Ver: 23.02.04.0123.14

	G	Gravity		N	on-Gra	vity
Loc	R+	/ R-	/ Rh	/Rw	/U	/ RL
В	268	1-	1-	/200	/29	/98
E	21	1-	1-	/16	/1	1-
D	73	1-	1-	154	/32	1-
Wir	nd read	ctions b	ased on M	MWFRS		
В	Brg V	Vid = 4.	0 Min F	Req = 1.5	(Trus	s)
E	Brg V	Vid = 1.	5 Min F	Reg = -		entin.
D	Brg V	Vid = 1.	5 Min F	Reg = -		
Bea	ring E	is a rig	id surface	1.		
		_	ed have fo		s than	375#

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 2-4-7.



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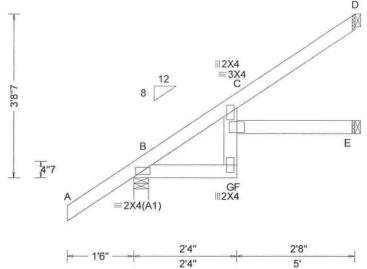
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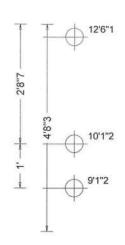
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SEQN: 750052 **JACK** Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 2 Bell Res DrwNo: 047.24.1000.37077 Truss Label: J07 / DF 02/16/2024





Loading Criteria (psf)	Wind Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II
BCDL: 10.00 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 Wind Duration: 1.60

19 A	5
Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
Pf: NA Ce: NA	VERT(LL): 0.050 F 999 240
Lu: NA Cs: NA	VERT(CL): 0.101 F 575 180
Snow Duration: NA	HORZ(LL): 0.036 C
	HORZ(TL): 0.072 C
Building Code:	Creep Factor: 2.0
FBC 8th Ed. 2023 Res. HVHZ	Max TC CSI: 0.423
TPI Std: 2014	Max BC CSI: 0.117
Rep Fac: Yes	Max Web CSI: 0.121
FT/RT:20(0)/10(0)	
Plate Type(s):	
WAVE	VIEW Ver: 23.02.04.0123.14

	G	Gravity		N	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	10	/RL
В	339	1-	/-	/240	/23	/145
E	63	1-	1-	/37	1-	1-
D	144	1-	1-	/107	174	1-
Wir	nd read	ctions ba	ased on M	MWFRS		
В	Brg V	Vid = 4.	0 Min F	Reg = 1.5	(Trus	s)
E	Brg V	Vid = 1.	5 Min F	Reg = -	1000	- 10
D	Brg V	Vid = 1.	5 Min F	Reg = -		
Bea	ring B	is a rig	id surface).		
			ed have fo		s than	375#

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 3-8-7.



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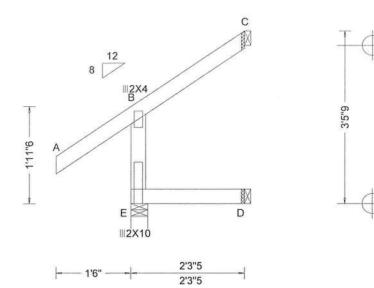
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SEQN: 750107 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 Ply: 1 FROM: CDM Bell Res DrwNo: 047 24 1000 38837 Qty: 1 Truss Label: J08 KD / DF 02/16/2024

12'3"3



▲ Maximum Reactions (lbs)	
Maximum Web Forces Per Ply (lbs)	J / RL 6 /- /- 6 /81 russ)
3.02	Members not listed have forces less that Maximum Web Forces Per Ply (lbs) Webs Tens.Comp.

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

Wind

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 3-5-9.



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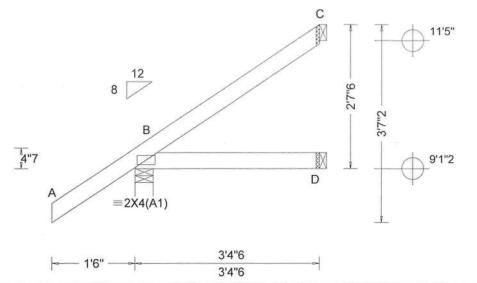
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SEQN: 750105 **JACK** Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 Ply: 1 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.1000.40423 Truss Label: J09 KD / DF 02/16/2024



Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA 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
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18	Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.002 B
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14

Gravity			Non-Gravity			
Loc	c R+	/R-	/ Rh	/Rw	10	/RL
В	280	/-	1-	/206	/28	/106
D	58	1-	1-	/36	1-	1-
C	77	1-	1-	/53	/50	1-
Wi	nd read	ctions b	ased on N	MWFRS		
В	Brg V	Vid = 4.	0 Min F	Req = 1.5	(Trus	s)
D	Brg V	Vid = 1.	5 Min F	Reg = -	ocotec in the	
C	Brg V	Vid = 1.	5 Min F	Reg = -		
Be	aring B	is a rig	id surface			
Me	mbers	not liste	ed have fo	orces les	s than	375#

Lumber

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 2-7-6



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

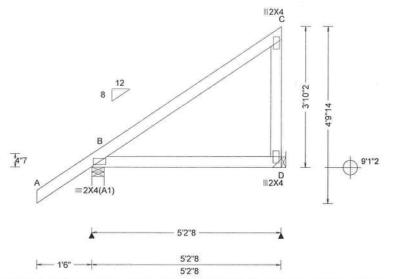
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 750115 MONO Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 T24 FROM: CDM Qty: 1 Bell Res. DrwNo: 047.24.1000.47493 Page 1 of 2 Truss Label: J10 KD / DF 02/16/2024



Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Std: ASCE 7-22 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	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.004 B
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "		Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.008 B Creep Factor: 2.0 Max TC CSI: 0.386 Max BC CSI: 0.247 Max Web CSI: 0.115
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14

Gravity			N	on-Gra	vity	
Loc	R+	/ R-	/Rh	/Rw	/ U	/RL
В	348	1-	1-	1-	/78	1-
D	245	1-	1-	1-	/32	1-
Wir	nd read	ctions b	ased on M	MWFRS		
В	Brg V	Vid = 4.	O Min F	Req = 1.5	5 (Trus	s)
D	Brg V	Vid = -	Min F	Reg = -		
Bea	ring B	is a rig	id surface).		
			ed have fo		s than	375#

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) 64 plf at 5 plf at 64 plf at 5 plf at 5.21 TC: From -1.50 to BC: From -1.50 to 0.00 BC: From 20 plf at 0.00 to 20 plf at 5.21 36 lb Conc. Load at 5.08 BC: 16 lb Conc. Load at 5.08

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 3-10-2



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SEQN: 750115 MONO Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.1000.47493 Page 2 of 2 Truss Label: J10 KD / DF 02/16/2024

Hangers / Ties

member.

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

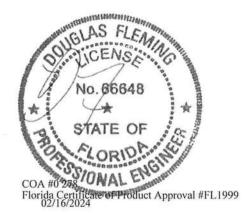
Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating

Bearing at location x=4'11"8 uses the following support conditions: 4'11"8

Bearing D (4'11"8, 9'1'2) LUS26

Supporting Member: (1)2x6 SP #2

(4) 0.148"x3" nails into supporting member, (3) 0.148"x3" nails into supported



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

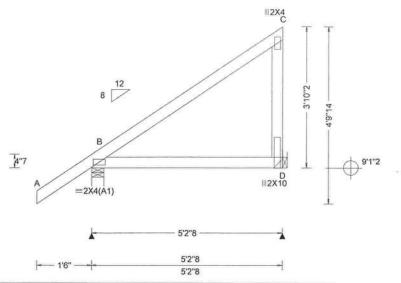
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SEQN: 750103 MONO Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 19 Bell Res DrwNo: 047.24.1000.49390 Truss Label: J11 KD / DF 02/16/2024



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 7-22 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 GCbi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. HVHZ 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: 0.413 Max BC CSI: 0.247 Max Web CSI: 0.200
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14

▲ Maximum Reactions (lbs) Non-Gravity Gravity Loc R+ /R-/Rw /U /RL 347 В /150 194 /151 170 1-Wind reactions based on MWFRS Min Req = 1.5 (Truss) Brg Wid = 4.0 Brg Wid = -Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Hangers / Ties

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

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

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

Bearing at location x=4'11"8 uses the following support conditions: 4'11"8 Bearing D (4'11"8, 9'1"2) LUS26

Supporting Member: (1)2x6 SP #2 (4) 0.148"x3" nails into supporting

member, (3) 0.148"x3" nails into supported member.

Bearing D (4'11"8, 9'1"2) LUS26 Supporting Member: (1)2x6 SP 2400f-2.0E

(4) 0.148"x3" nails into supporting member

(3) 0.148"x3" nails into supported member.

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 3-10-2.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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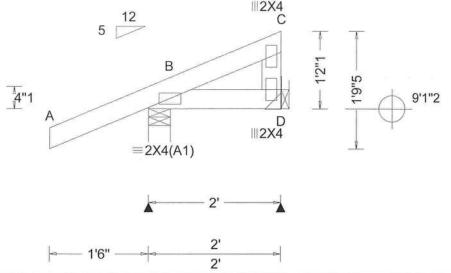
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For more information see these web sites: Alpine: Alpine gone TPI: tonst our SEAC sheacomponents com: ICC: iccsafe our AWC: away on the structure is the responsibility and provide temporary and the community of the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2.



SEQN: 749998 MONO Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 7 Bell Res DrwNo: 047.24.1000.51410 Truss Label: J12 KD / DF 02/16/2024



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 7-22 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 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.000 B HORZ(TL): 0.001 B Creep Factor: 2.0 Max TC CSI: 0.229 Max BC CSI: 0.046 Max Web CSI: 0.018
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14

Wind

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Wind loads based on MWFRS with additional C&C member design. Webs: 2x4 SP #3; Right end vertical not exposed to wind pressure

Wind loading based on both gable and hip roof types.

▲ Maximum Reactions (lbs)

Gravity			Non-Gravity			
Loc	R+	/ R-	/Rh	/Rw	/U	/RL
В	235	/-	/-	/167	/52	147
D	38	1-	1-	/35	/15	1-
Wir	nd read	ctions b	ased on N	MWFRS		
В	Brg V	Vid = 4.	0 Min F	Reg = 1.5	(Trus	s)
D	Brg V	Vid = -	Min F	Reg = -		
Bea	ring E	is a rig	id surface	9.		
Mer	mbers	not liste	ed have fo	orces les	s than	375#

Hangers / Ties

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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.

,y=9'1"2 uses the following Bearing at location x=1'9" support conditions: 1'9"

Bearing D (1'9", 9'1"2) LUS26 Supporting Member: (1)2x6 SP #2 (4) 0.148"x3" nails into supporting member.

(3) 0.148"x3" nails into supported member.

Additional Notes

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



WARNING READ AND FOLLOW ALL NOTES NO THIS DRAWING!

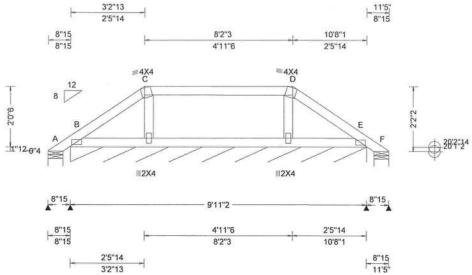
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For more information see these web sites: Alpine; alpineitw.com: TPI: binst.org: SBCA: sbeacomponents com: ICC: iccsafe org: AWC: aware org.



SEQN: 750169 COMN Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 1 **Bell Res** DrwNo: 047.24.1001.18227 Truss Label: PB01 KD / DF 02/16/2024



Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.000 B 999 240 VERT(CL): 0.001 B 999 180 HORZ(LL): 0.001 E -
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	EXP: C Kzt: NA Mean Height: 15.87 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.001 E Creep Factor: 2.0 Max TC CSI: 0.525 Max BC CSI: 0.065 Max Web CSI: 0.066 VIEW Ver: 23.02.04.0123.14

Loc R+ /R- /Rh /Rw /U /RL A - /-11 /- /41 /44 /58 B* 77 /- /- /50 /25 /- F - /-11 /- /10 /11 /- Wind reactions based on MWFRS A Brg Wid = 5.9 Min Req = 1.5 (Truss) B Brg Wid = 5.9 Min Req = 1.5 (Truss) Bearings A, B, & F are a rigid surface.		G	Gravity		N	on-Gra	vity
B* 77	Loc	R+	/ R-	/Rh	/Rw	/U	/RL
F - /-11 /- /10 /11 /- Wind reactions based on MWFRS A Brg Wid = 5.9 Min Req = 1.5 (Truss) B Brg Wid = 119 Min Req = - F Brg Wid = 5.9 Min Req = 1.5 (Truss)	Α	-	<i>I</i> -11	1-	/41	144	/58
Wind reactions based on MWFRS A Brg Wid = 5.9 Min Req = 1.5 (Truss) B Brg Wid = 119 Min Req = - F Brg Wid = 5.9 Min Req = 1.5 (Truss)	B*	77	1-	1-	/50	/25	1-
A Brg Wid = 5.9 Min Req = 1.5 (Truss) B Brg Wid = 119 Min Req = - F Brg Wid = 5.9 Min Req = 1.5 (Truss)	F		/-11	/-	/10	/11	1-
B Brg Wid = 119 Min Req = - F Brg Wid = 5.9 Min Req = 1.5 (Truss)	Wir	d read	ctions bas	ed on N	MWFRS		
F Brg Wid = 5.9 Min Req = 1.5 (Truss)	A	Brg V	Vid = 5.9	Min F	Reg = 1.5	(Trus	s)
Dig tric old minited 1.0 (11dss)	В	Brg V	Vid = 119	Min F	Reg = -		cart III
Bearings A, B, & F are a rigid surface.	F	Brg V	Vid = 5.9	Min F	Reg = 1.5	(Trus	s)
	Bea	rings	A. B. & F	are a ric	gid surfa	ce.	

Lumber

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

Plating Notes

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

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 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 2-2-2.

See Detail PB160220723 for piggyback details.



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SEQN: 750171 COMN Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.1001.22033 Truss Label: PB02 KD / DF 02/16/2024 5'2"13 10'8"1 8"15 6'2"3 11'5" 8"15 4'5"14 11"6 4'5"14 8"15 ₩2X4 ₩2X4 8"15 9'11"2 8"15 4'5"14 4'5"14 8"15 11"6 8"15 5'2"13 6'2"3 10'8"1 11'5

Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II	Snow Criteria (Pg.Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	DefI/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.002 B 999 240 VERT(CL): 0.003 B 999 180 HORZ(LL): -0.001 E -
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	EXP: C Kzt: NA Mean Height: 16.53 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.003 E Creep Factor: 2.0 Max TC CSI: 0.223 Max BC CSI: 0.087 Max Web CSI: 0.022 VIEW Ver: 23.02.04.0123.14

	G	Gravity		No	on-Grav	vity
Loc	R+	/ R-	/Rh	/Rw	/U	/ RL
A	-	/-122	1-	/110	/165	/97
B*	99	1-	1-	/66	124	1-
F	-	1-122	1-	156	/111	1-
В		/-137				
Ε		/-116				
Nir	d read	ctions ba	sed on N	MWFRS		
A	Brg V	Vid = 5.9	Min F	Req = 1.5	(Truss	s)
В	Brg V	Vid = 11	9 Min F	Reg = -		
F	Brg V	Vid = 5.9	Min F	Req = 1.5	(Truss	5)
Зеа	rings	A, B, & F	are a ri	gid surfa	ce.	
Mei	mbers	not liste	d have fo	rces les	s than 3	375#

Lumber

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

Plating Notes

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

Loading

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

Purlins

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

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is

See Detail PB160220723 for piggyback details.



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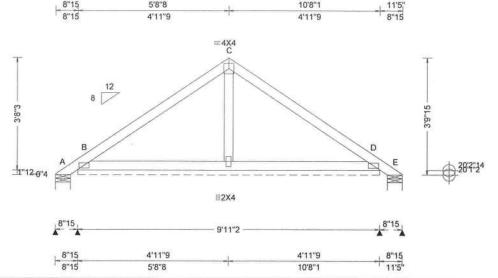
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For more information see these web sites: Alpine: Alpine the profession of the profession of the design shown. The suitability and use of this drawing to responsibility and use of this drawing to see these web sites: Alpine: Alpine the profession of the design shown. The suitability and use of this drawing to see these web sites: Alpine: alpine the contractors of the design shown.



SEQN: 750173 COMN Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 1 Bell Res. DrwNo: 047.24.1001.25710 Truss Label: PB03 KD / DF 02/16/2024

10'8"1



Loading Criteria (psf) TCLL: 20.00	Wind Criteria Wind Std: ASCE 7-22	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/#
TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.69 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	VERT(LL): 0.002 B 999 240 VERT(CL): 0.004 B 999 180 HORZ(LL): -0.002 D
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "		Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.004 D Creep Factor: 2.0 Max TC CSI: 0.279 Max BC CSI: 0.185 Max Web CSI: 0.027
		WAVE	VIEW Ver: 23.02.04.0123.14

8"15

5'8"8

Gravity				No	on-Grav	vity
Loc	R+	/R-	/Rh	/Rw	/U	/RL
A -		/-167	1-	/126	/201	/109
B* 1	27	1-	1-	175	/10	1-
E -		/-167	1-	/66	/142	1-
В		/-123				
Wind	reac	tions ba	sed on N	MWFRS		
A E	rg W	/id = 5.9	Min F	Req = 1.5	(Truss	5)
BE	rg W	/id = 11	9 Min F	Reg = -	323	9
E B	rg W	/id = 5.9	Min F	Req = 1.5	(Truss	3)
Beari	ngs /	A, B, & E	are a ri	gid surfa	ce.	25%
Memb	ers	not liste	d have fo	rces les	s than 3	375#

Lumber

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

Plating Notes

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

Loading

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

Refer to DWG PB160220723 for piggyback details. The overall height of this truss excluding overhang is 3-9-15.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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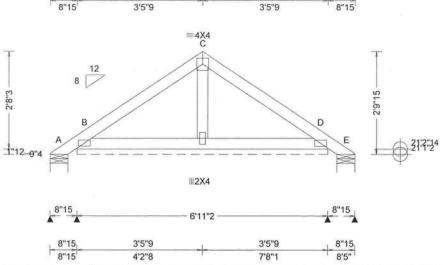
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 750242 COMN Job Number: 24-0616 Ply: 1 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 10 Bell Res. DrwNo: 047.24.1001.27020 Truss Label: PB04 KD / DF 02/16/2024

7'8"1

8'5"



Loading Criteria (psf) TCLL: 20.00	Wind Criteria Wind Std: ASCE 7-22	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA	DefI/CSI Criteria PP Deflection in loc L/defl L/#
TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.98 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	VERT(LL): 0.001 B 999 240 VERT(CL): 0.002 B 999 180 HORZ(LL): -0.001 D
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "		Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.002 D Creep Factor: 2.0 Max TC CSI: 0.129 Max BC CSI: 0.092 Max Web CSI: 0.017

8"15

4'2"8

	G	Gravity		N	on-Gra	vity
Loc	R+	/R-	/Rh	/Rw	/U	/ RL
Α	-	/-51	1-	/70	/88	178
B*	113	1-	1-	/67	14	1-
E	2	1-51	1-	/26	145	1-
Win	d read	ctions b	ased on N	MWFRS		
Α	Brg V	Vid = 5.	9 Min F	Req = 1.5	5 (Trus	s)
В	Brg V	Vid = 83	3.1 Min F	Req = -		
E	Brg V	Vid = 5.	9 Min F	Req = 1.5	(Trus	s)
Bea	rings	A, B, &	E are a ri	gid surfa	ce.	
	-		ed have fo	-		375#

Lumber

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

Plating Notes

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

Loading

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

Refer to DWG PB160220723 for piggyback details. The overall height of this truss excluding overhang is 2-9-15.



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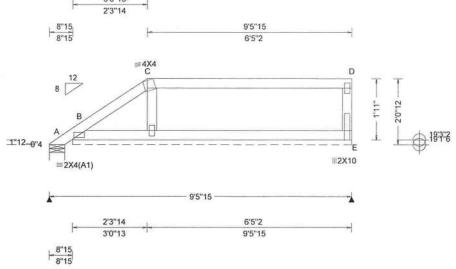
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 750092 COMN Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.1001.29113 Truss Label: PB05 KD / DF 02/16/2024 3'0"13 2'3"14



	0.10		
Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.000 D 999 240 VERT(CL): -0.001 B 999 180 HORZ(LL): 0.000 E
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 16.16 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	- HORZ(TL): 0.001 E Creep Factor: 2.0 Max TC CSI: 0.762 Max BC CSI: 0.240 Max Web CSI: 0.249 VIEW Ver: 23.02.04.0123.14

	G	Gravity		N	on-Gra	vity
Loc	R+	/R-	/ Rh	/Rw	/ U	/RL
Α	2	1-	1-	/38	/17	/49
B*	72	1-	/-	170	/19	1-
Wir	d read	ctions b	ased on M	MWFRS		
A	Brg V	Vid = 5.	9 Min F	Req = 1.5	(Trus	s)
В	Brg V	Vid = 10	04 Min F	Req = -		
Bea	rings	A&Ba	re a rigid	surface.		
Mer	nbers	not liste	ed have fo	orces les	s than	375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Purlins

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

Wind

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

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

Additional Notes

Refer to DWG PB160220723 for piggyback details. The overall height of this truss excluding overhang is 2-0-12.



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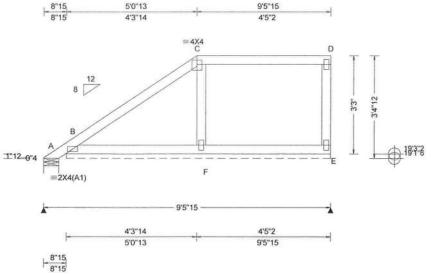
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SEQN: 750094 COMN Job Number: 24-0616 Ply: 1 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.1001.31103 Truss Label: PB06 / DF 02/16/2024 KD



Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.002 B 999 240 VERT(CL): 0.004 B 999 180 HORZ(LL): 0.001 B
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 16.16 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.002 B Creep Factor: 2.0 Max TC CSI: 0.347 Max BC CSI: 0.157 Max Web CSI: 0.114 VIEW Ver: 23.02.04.0123.14

	G	Gravity		No	on-Grav	vity
Loc	R+	/R-	/Rh	/Rw	/U	/ RL
Α	4	/-112	1-	/92	/146	/84
B*	85	1-	1-	/90	/23	1-
Wir	id read	ctions ba	sed on N	MWFRS		
A	Brg V	Vid = 5.9	Min F	Reg = 1.5	(Truss	5)
В	Brg V	Vid = 10	4 Min F	Reg = -	32.5	
Bea	rings	A & B ar	e a rigid	surface.		
Mei	nbers	not liste	d have fo	orces les	s than ?	375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

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 based on MWFRS with additional C&C member design.

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

Additional Notes

Refer to DWG PB160220723 for piggyback details. The overall height of this truss excluding overhang is 3-4-12.



Florida Certificate of Product Approval #FL1999 02/16/2024

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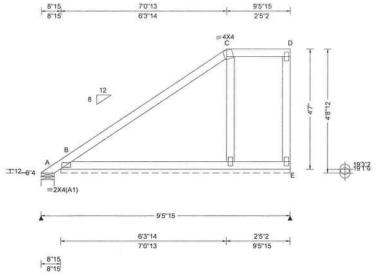
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



SEON: 750096 COMN Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 T51 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.1001.33177 Truss Label: PB07 KD / DF 02/16/2024



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 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.16 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. HVHZ 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): 0.004 B 999 240 VERT(CL): 0.011 B 999 180 HORZ(LL): 0.003 B HORZ(TL): 0.005 B Creep Factor: 2.0 Max TC CSI: 0.482 Max BC CSI: 0.215 Max Web CSI: 0.086 VIEW Ver: 23.02.04.0123.14

	G	Gravity		N	on-Grav	vity
Loc	R+	/ R-	/ Rh	/Rw	/U	/RL
Α	-	/-313	1-	/179	/373	/120
B*	108	1-	1-	/121	/31	1-
Win	d read	ctions ba	sed on N	AWFRS		
A	Brg V	Vid = 5.9	Min F	Req = 1.5	(Truss	5)
В	Brg V	Vid = 10	4 Min F	Reg = -		
Bea	rings	A & B ar	e a rigid	surface.		

Lumber

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

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.

4-8-12.

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

Negative reaction(s) of -313# MAX. from a non-wind load case requires uplift connection. See Maximum

Refer to DWG PB160220723 for piggyback details. The overall height of this truss excluding overhang is



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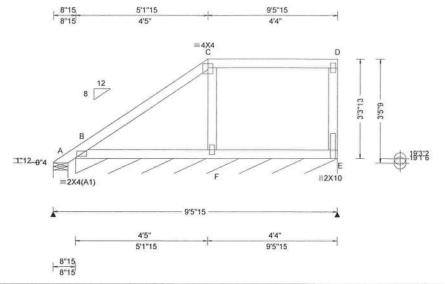
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For more information see these web sites: Alpine: alpineity com: TPI binst org: SBCA: sheacomponents com: ICC: iccsafe org: AWC; awc. org.



SEON: 750098 COMN Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 T61 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.1001.39620 Truss Label: PB08 KD / DF 02/16/2024



See Detail PB160220723 for piggyback details.

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 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 20.86 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.002 B 999 24 VERT(CL): 0.004 B 999 18 HORZ(LL): 0.001 B - HORZ(TL): 0.003 B - Creep Factor: 2.0 Max TC CSI: 0.421 Max BC CSI: 0.161 Max Web CSI: 0.497
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity /Rh /RL Loc R+ /R-/Rw /U 40 180 199 /140 /91 B* 104 /69 127 /-106 Wind reactions based on MWFRS Brg Wid = 5.9 Min Reg = 1.5 (Truss) Brg Wid = 104 Min Req = -Bearings A & B are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

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

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

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

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

Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/999.

Additional Notes

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.

The overall height of this truss excluding overhang is



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

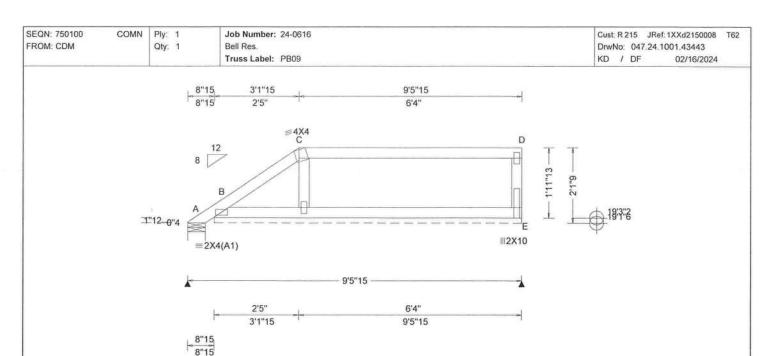
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North Building, 4th Floor Glenview, IL 60025



Loading Criteria (psf)	Wind Criteria	Snow
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Pg: N. Pf: NA Lu: NA Snow
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: > 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Buildin FBC 8 TPI SI Rep F FT/RT Plate

Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
Pf: NA Ce: NA	VERT(LL): 0.000 C 999 240
Lu: NA Cs: NA	VERT(CL): 0.001 C 999 180
Snow Duration: NA	HORZ(LL): 0.000 E
	HORZ(TL): 0.001 E
Building Code:	Creep Factor: 2.0
FBC 8th Ed. 2023 Res. HVHZ	Max TC CSI: 0.738
TPI Std: 2014	Max BC CSI: 0.232
Rep Fac: Yes	Max Web CSI: 0.237
FT/RT:20(0)/10(0)	
Plate Type(s):	
WAVE	VIEW Ver: 23.02.04.0123.14

Loc R+ /R- /Rh /Rw /U A 0 /-3 /- /40 /20	/ RL
A D 13 1 MD 130	
M U 1-3 1- 140 120	/51
B* 72 /- /- /70 /19	1-
Wind reactions based on MWFRS	
A Brg Wid = 5.9 Min Req = 1.5 (Tr	uss)
B Brg Wid = 104 Min Reg = -	0.000
Bearings A & B are a rigid surface.	

Lumber

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

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 loads based on MWFRS with additional C&C member design

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

Additional Notes

Refer to DWG PB160220723 for piggyback details. The overall height of this truss excluding overhang is 2-1-9



Florida Certificate of Product Approval #FL1999 02/16/2024

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 continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR 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: binst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



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

Notes

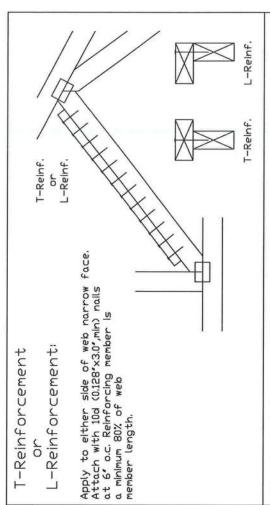
This detail is only applicable for changing the specified CLR shown on single ply sealed designs to T-reinforcement or L-reinforecement or scab reinforcement. Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type, Use scabs instead of L- or T- reinforcement on webs with intersecting truss joints, such as K-web joints, that may interfere with proper application along the narrow face of the web.

d CLR Alternative Reinforecement	w 2x4 1-2x4	w 2x4 1-2x6	2x6 1-2x8
raint T- or L- Reinf. Scab Reinf.	ows 2x6 2-2x4	ows 2x6 2-2x43#0	
Specified CLR	1 row	1 row	1 row
Restraint	2 rows	2 rows	
Web Member	2x3 or 2x4	2x6	2×8
Size	2x3 or 2x4	2x6	8×8

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

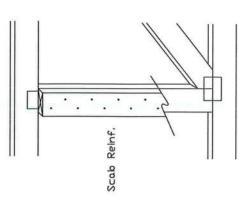
Apply (1) scab to each Center scab on wide face of web. face of web, 8

CLR Reinforcing Member Substitution



Scab Reinforcement

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



Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer the follor the intest edition of BCSI Collading Components Safety. Information, by FIP and SBCA) for sphacetices prior to performing these functions. Installers shall provide temporary bracing peri Shall have a properly strated structural stratefung and both shall have a properly strated of the shall have bracing the shall have bracing the shall have bracing the strategies of the shall have bracing the strategies of the shall have bracing installed per BCSI sections 33, B7 or 310, as applicable, Apply plates to each free to drawings 1604-2 for stratedir platels, unless noted otherwise. BEVARANGES READ AND FOLLOY ALL NOTES ON THIS DRAVING SEEDINGTHERS, SHOURTES THIS DRAVING THE INSTALLERS,

TOT, LD, BC DL BC LL CORIDE CE STATE OF

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DRWG DATE REF

PSF PSF PSF

CLR Subst. 01/02/19

TC LL

OUGLAS FLEMIN

PSF PSF DUR. FAC. SPACING

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A seal on this drawing or cover page listing this drawing, befacts acceptance of professional responsibility and use of this drawing or cover page listing this drawing. Inc. suitability and use of this drawing for any structure is the responsibility of the Building Designer of NBINTIN I Sect.

For nore information see this join's general incides page and these web sites at AIPING wavalpheitw.com, ITD www.tphistorgj 38CA wavasbcacopponents.com, ICO wavalcaseleng

The top chord #3 grade 2x4 scab may be replaced with either of the followings (1) 3x8 Trulox place attached with (8) 0,120°x1,375' nalis, (4) into cap TC & (4) into base truss TC or (1) 28PB wave plggyback plate plated to the plgyback truss TC and attached to the base truss TC with (4) 0,120°x1,375' nalis, Note Nalling thru holes of Piggyback cap truss slant nailed to all top chord purin bracing with (2) 16d box nails (0,135'x3.5') and secure top chord with 2x4 #3 grade scab chord member, and 8'x8'x7/16' (min) APA rated sheathing gussets (each face). Attach B 8' o.c. with (8) 6d common (0.133'x2') nails per gusset, (4) in cap bottom chord and (4) in base truss top chord. Gussets may be staggered 4' o.c. front to back faces. PB160220723 Kzt=1,00 2x4 SPF #2, full chord depth scabs (each face). Aftech @ W o.c. with (65) 10d box nails (0,128'x3') per scab, (3) in cap bottom chord and (3) in base truss top chord. Scabs may be staggered Trulox Use 3X8 Trulox plates for 2x4 chord member, an Use 3X8 Trulox plates for 2x6 and larger chord members. Attach to each face 8 8' o.c. with (4) 0.120'x.i.375' malls into cap bottom chord and (4) in base truss top chord. Trulox plates may be staggered 4' o.c. front to back faces. 07/03/2023 o.c. front Dne 28PB wave piggyback plate to each face 88 O.G. Attach teeth to piggyback at time of fabrication. Attach to supporfing truss with (4) 0.120'x1.375' nalls per face per ply. appgyback plates may be staggered 4' o.c. front to back faces. PIGGYBACK top chord (1 side only at each end) attached with 2 rows of 10d box nalls (0,128'x3') at 4" * In addition, provide connection with one of the following methods: Attach purlin bracing to the flat using (2) 16d box nalls (0,135*x3.5*). DRWG DATE S REF oase truss top chord. Scak 4' o.c. front to back faces. 28PB Wave Piggyback Plate wave plate is acceptable. Exposure 2x4 Vertical Scabs APA Rated Gusset 24.0" Note! Top chords of trusses supporting piggyback cap trusses must be adequately braced by sheathing or purlins. The building designer shall provide diagonal bracing or any other sultable anchorage to permanently restrain purlins, and lateral bracing for out of plane loads over gable ends. Maximum truss spacing is 24° o.c. Detail is not applicable if cap supports additional loads such as cupola, steeple, chimney or drag strut loads. SPACING Enclosed, Piggyback cap truss slant nalled to all top chord purlin bracing with (2) 16d box nalls (0.135'x35') and secure top chord with 2x4 #3 grade scab (1 slde only at each end) attached with 2 rows of 10d box nalls (0.128'x3') at 4' o.c. 71689240278 teting STATE OF ACTION OF THE OF ACTION 160 mph Wind, 30.00 ft Mean Hgt, ASCE 7–22, Enclosed Bidg, located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0. Or 140 mph wind, 30.00 ft Mean Hgt, ASCE 7–22, Enclosed Bidg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0. Specific nax ELEM Attach purlin bracing to the flat top chord using a minimum of (2) 16d box nalls (0.135'x3.5'). Purlin Spacing > STATE OF Height, DI DITTO PROPERTY ASSESSED urlin Spacing 24° o.c. max 9 Mean *** Refer to Engineer's sealed truss design drawing for piggyback and base truss specifications. Flat top chord purling For nore information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbca.components.com; ICC: www.iccsafe.org both ends, purlin sp Alphe, a division of ITV Building Components Group Inc. shall not be responsible for any deviation this drawing, any failure to build the truss in conformance with ANSI/TPI I, or for handling, shipping this drawing, and of trusses, of trusses, as a sea of whice starting or cover page listing that drawing, allocates acceptance of professional engineering responsibility solely for the design shown. The suttability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI I Sec.2. memberrantee treats the Standard AND FOLLOY ALL NOTES DN THIS DRAVING TRUSSES require extreme core in fabricating, handlong shipping, brishiling and bracing. Refer if Thusses require extreme core in fabricating, handlong shipping, brishiling and bracing. Refer if proctices prior to performing these furctions. Installers shall provide tengorary bracing per shall have be properly attached rigid celling. Locations shown for permanent installed both shall have bracing vitached rigid celling. Locations shown for permanent lateral restraint of truss and positions. Shown above end on the Joint Details, unless noted otherwise, to each Refer to drawings 160A-2 for standard plate positions. If purlins or sheathing are not specified on the flat top of the truss, purlins must be installed at 24" o.c. max. and use Detall A. Flat top chord purlins required at both ends and at 24' max o.c. spacing in between. (ess 30, mph, 0 Ü Ū O 160 N4 * 24 7-22: Full H Purlin Spacing Purlin Spacing ASCE \mathfrak{C} Chord Scab (Typical Each End) Top Chord Scab (Typical Each End) Detail Note AN ITW COMPANY Jp to 12 Up to 12 Piggyback --155 Harlem Ave North Building, 4th Floor Glenview, IL 60025 Note: Top Œ М Detail Detail