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ALPINE ANTW COMPANY

COA #0 278
Florida Certificate of Product Approval #Flo 1999 0179
02/16/2024

Reviewed

Code Compliance

ans Exam

73

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.	
Address: 295 Sugar Cane, Lake City, FL	

Job Engineering Criteria:	Per HVH7	IntelliVIEW Version: 23.02.04
Design Code: FBC 8th Ed. 2023 Res. HVHZ		Intelliview Version. 25.02.04
		JRef #: 1XXd2150008
Wind Standard: ASCE 7-22	Wind Speed (mph): 130	Design Loading (psf): 40.00
Building Type: Closed		8 V28 8

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

Item	Drawing Number	Truss
2	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	J09
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.

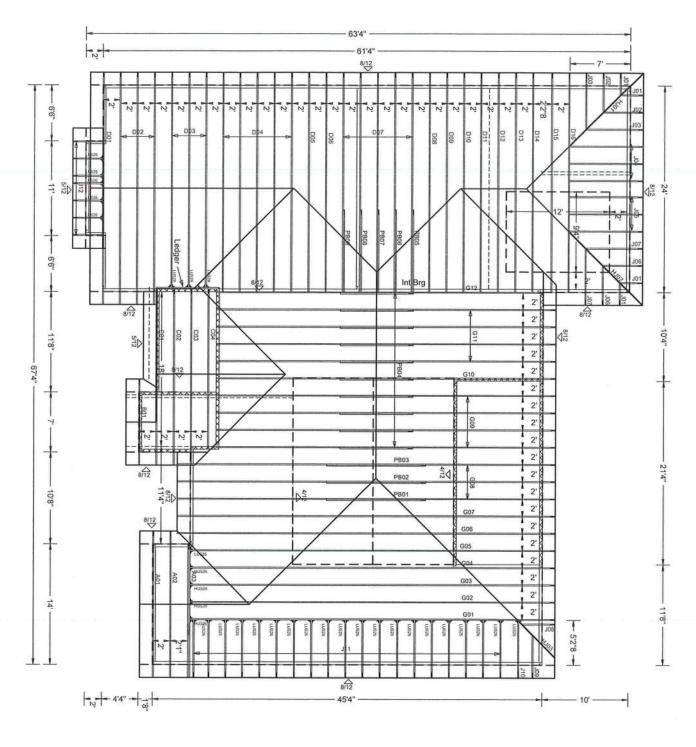
Uppercase Acronyms not explained above are as defined in TPI 1.



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.





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

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

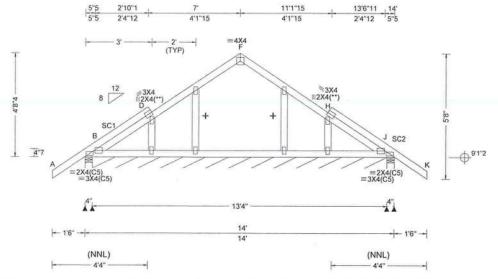
W.B. Howland Truss Co. 610 11th St. SW Live Oak, Ft. 32064 (386) 362-1235 (386) 362-7124 (Fax) howlandtruss@gmail.com

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

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



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)	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): 0.002 F 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.004 F 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.002 G
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.003 G
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res. HVHZ	Max TC CSI: 0.258
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.093
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.628
(0.00)	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	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
В	334	/-	/-	/211	/16	/178
B*	54	1-	/-	/32	/14	1-
J	334	1-	1-	/208	/17	1-
Wir	d read	ctions b	ased on M	MWFRS		
В	Brg V	Vid = 4.	0 Min F	Req = 1.5	5 (Trus	s)
В	Brg V	Vid = 15	9 Min F	Reg = -		27.00
J	Brg V	Vid = 4.	0 Min F	Reg = 1.5	(Trus	s)
Bea	rings	B, B, &	J are a rig	gid surfac	ce.	
			d have fo			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.

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/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 bracting of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

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





SEQN: 750177 COMN Ply: 1 Job Number: 24-0616 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 1114X6 ф^{9′1″2} 4"7 ₩2X4 =2X4(A1) =2X4(A1) 1'6" --

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (Ib	
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): 0.007 F 999 240	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.014 F 999 180	B 692 /- /-	/439 /117 /182
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.005 D	D 692 /- /-	/439 /117 /-
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.010 B	Wind reactions based on M	WFRS
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0		eq = 1.5 (Truss)
Soffit: 2.00	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res. HVHZ	Max TC CSI: 0.501	D Brg Wid = 4.0 Min R	eq = 1.5 (Truss)
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.464	Bearings B & D are a rigid s	surface.
		Rep Fac: Yes	Max Web CSI: 0.120	Members not listed have for	rces less than 375#
Spacing: 24.0 "	C&C Dist a: 3.00 ft		IVIAX VVED CSI. 0.120	Maximum Top Chord Ford	ces Per Ply (lbs)
	Loc. from endwall: Any	FT/RT:20(0)/10(0)		Chords Tens.Comp. C	hords Tens. Comp
	GCpi: 0.18	Plate Type(s):		D 0 000 001 0	
	Wind Duration: 1.60	WAVE -	VIEW Ver: 23.02.04.0123.14	B - C 286 - 684 C	-D 287 -68

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

AND THE SERVICE SET PERSONS No. 66648 ESS/ONAL COA #0 238 ONAL Florida Certificate of Product Approval #FL1999 02/16/2024

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

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



SEON: 750186 COMN 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 2 Complete Trusses Required 4'0"14 9'11"2 2'11"2 4'0"14 4'0"14 114X6 12 3X5 5'0"7 W3 Ф^{9′1′2} 4"7 **■2X10** =6X8 ■2X10 =4X8(B3) =3X10(B3) 4'0"14 2'11"2 2'11"2 - 1'6" --4'0"14 9'11"2 Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (Ibs) Non-Gravity Wind Std: ASCE 7-22 Ct: NA CAT: NA Gravity TCLL: 20.00 Pg: NA PP Deflection in loc L/defl L/# Speed: 130 mph R+ /R /Rh 10 / RL Pf. NA TCDL: 10.00 Ce: NA VERT(LL): 0.063 H 999 240 Enclosure: Closed BCLL: 0.00 Lu: NA Cs: NA VERT(CL): 0.125 H 999 180 /1219 /-6012 1-Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.019 B 4203 /-1-/993 EXP: C Kzt: NA Wind reactions based on MWFRS 40.00 HORZ(TL): 0.039 B Des Ld: Mean Height: 15.00 ft Brg Wid = 4.0 Min Req = 2.5 (Truss) NCBCLL: 0.00 **Building Code:** TCDL: 5.0 psf Brg Wid = 4.0 Min Reg = 1.7 (Truss)

Lumber

Soffit:

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

2.00

Load Duration: 1.25

Spacing: 24.0 "

Nailnote

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.

BCDL: 5.0 psf

C&C Dist a: 3.00 ft

Wind Duration: 1.60

MWFRS Parallel Dist: 0 to h/2

Loc. from endwall: not in 4.50 ft

GCpi: 0.18

Special Loads

(Lumber	Dur.Fac.=1	.25 / Plate [Dur.Fac.=1.2	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		
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

Creep Factor: 2.0 Max TC CSI: 0.427 Max BC CSI: 0.513 Max Web CSI: 0.688

VIEW Ver: 23.02.04.0123.14

B-C 640 - 2835 D-E 830 - 3476

Members not listed have forces less than 375#

Chords

C-D

Tens. Comp

642 - 2839

Maximum Top Chord Forces Per Ply (lbs)

Bearings A & E are a rigid surface.

823 - 3926

Chords Tens.Comp.

	Tens.Comp.			Tens. Comp.	
A - I	3246	-676	H-G	2834	-673
I-H	3213	-671	G-F	2852	-678

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. I-B 1359 - 212 197 -660 H-D B-H 195 - 1184 D-G 747 -212 C-H 3050 - 681



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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FBC 8th Ed. 2023 Res. HVHZ

TPI Std: 2014

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

Rep Fac: No

Plate Type(s):

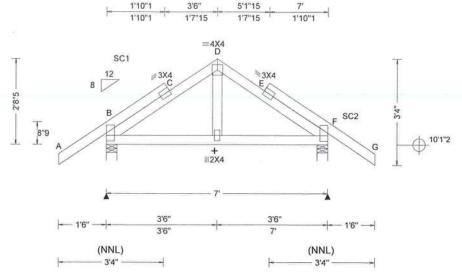
WAVE



Glenview, IL 60025 For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



SEQN: 750240 GABL Job Number: 24-0616 Ply: Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 1 **Bell Res** DrwNo: 047.24.0956.41123 Truss Label: B01 / 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	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	Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	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):	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) Non-Gravity Gravity /R /Rh /Rw /U / RL B 397 1-1-/263 163 /113 397 1-1-/263 /63 1-Wind reactions based on MWFRS Brg Wid = 4.0 Min Req = 1.5 (Truss) В Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings B & F are a rigid surface. Members not listed have forces less than 375#

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; 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 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 2-8-5.



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Glenview, IL 60025



SEON: 750192 GABL Ply: Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 T33 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.0957.54810 Truss Label: C01 02/16/2024 - 1'10"1 -(TYP) LM Adjacent Roof Plane ⊕^{10.1-2} #2X4(* 183X6(G1) 11'8" 6'10"

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	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.008 J 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.017 J 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.007 J
Des Ld: 40.00 ICBCLL: 10.00 Soffit: 2.00 Goad 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: Any GCDi: 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): 0.013 K Creep Factor: 2.0 Max TC CSI: 0.172 Max BC CSI: 0.129 Max Web CSI: 0.990	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14

11'7"15

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 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

loads. bracing system to be desiged and furnished by others.

	G	Gravity		No	on-Gra	vity
Loc	R+	/ R-	/Rh	/Rw	/U	/ RL
Α	103	1-	/-	/115	/34	/210
A*	92	1-	1-	/56	/30	1-
G	113	1-	1-	/63	1-	1-
N	448	1-	1-	/279	/29	1-
Wir	nd read	ctions b	ased on M	AWFRS		
A	Brg V	Vid = 4.	0 Min F	Req = 1.5	(Trus	s)
A	Brg V	Vid = 13	39 Min F	Req = -		
G	Brg V	Vid = 4.	0 Min F	Req = 1.5	(Trus	s)
N	Brg V	Vid = 4.	0 Min F	Req = 1.5	(Trus	s)
Bea	arings	A, A, G	& N are	a rigid su	ırface.	
Me	mbers	not liste	ed have fo	orces less	s than	375#
		n Top C Tens.Co	hord For mp.	ces Per	Ply (It	os)

300 -406 G - I

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

G-N 492



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North Building, 4th Floor Glenview, IL 60025



SEON: 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 / DF 02/16/2024 9"11"1 14'5"9 19 4'6"7 4'7"2 4'6"7 ≡4X4 3X8 **∌3X4** B =3X4(D1) ⊕^{10′1″2} G ∥2X4 **∥2X4** // 2X4 ₩3X6(G1) 12'2" 6'10"

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (II		
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-G	avity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.015 A 999 240	Loc R+ /R- /Rh	/Rw /U	/RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.031 A 999 180	A 520 /- /-	/302 /75	/212
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.008 A	H 771 /- /-	/452 /12	1 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.016 A	E 408 /- /-	/300 /73	/-
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	Wind reactions based on N	//WFRS	
Soffit: 2.00	TCDL: 5.0 psf	FBC 8th Ed. 2023 Res. HVHZ	Max TC CSI: 0.379	A Brg Wid = 4.0 Min F	Req = 1.5 (Tru	iss)
	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.368	H Brg Wid = 4.0 Min F	Req = 1.5 (Tru	iss)
Load Duration: 1.25	MWFRS Parallel Dist; 0 to h/2	13.1 512. 23.1		E Brg Wid = 4.0 Min F	Req = 1.5 (Tru)	iss)
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.307	Bearings A, H, & E are a ri	gid surface.	energe.
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	1	Members not listed have for	orces less that	n 375#
	GCpi: 0.18	Plate Type(s):		Maximum Top Chord For	ces Per Ply (lbs)
l .	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14	Chords Tens Comp	100	

2'2"15

12'2'

2'3"9

14'5"9

4'6"7

4'7"2

9'11"1

5'4"

Lumber

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

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is

A - B 243 -677

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

A-J 509 - 123 507 - 124

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



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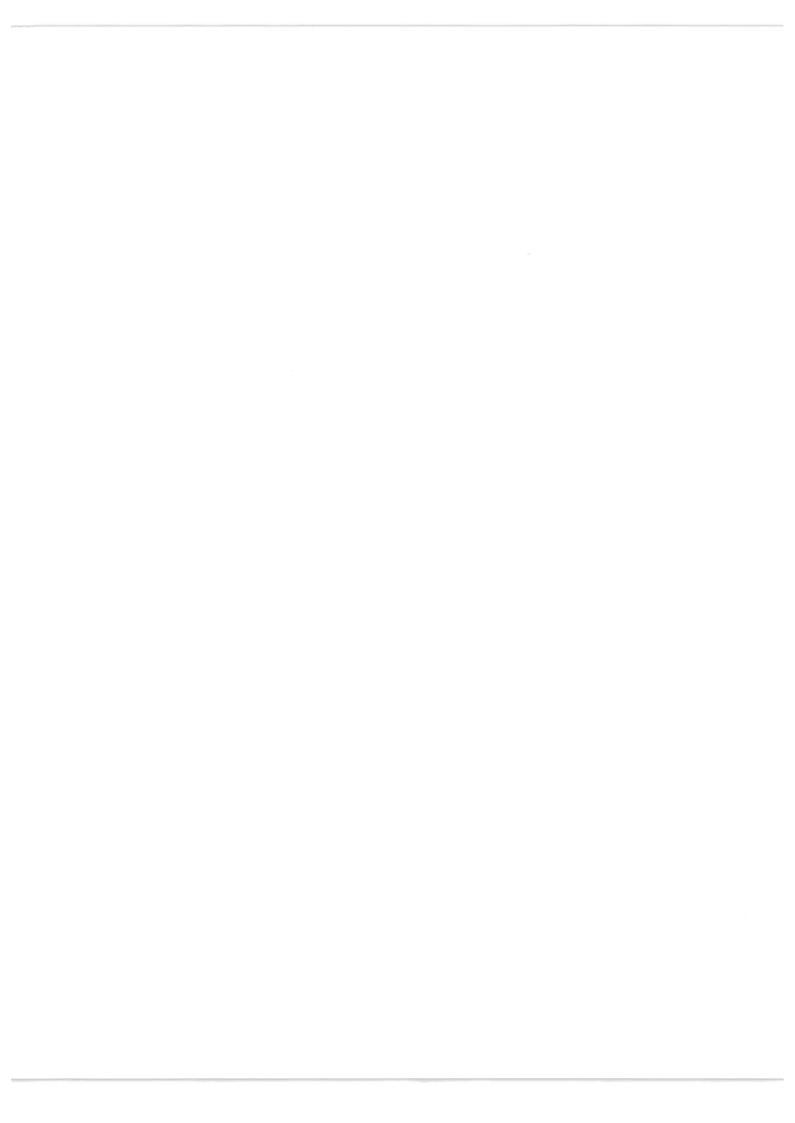
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SEON: 749989 COMN Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 T35 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.0957.59863 Truss Label: C03 / DF 02/16/2024 9'11"1 14'5"9 19' 4'7"2 4'6"7 4'6"7 =4X4 4X8 D €3X4 =3X4(D1) ф^{10′1″2} K ∥2X4 H II2X4 ≡5X10 3X6(E5)

2'2"15

12'2

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 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: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18
	Wind Duration: 1.60

Pg: NA	Ct: NA	CAT: NA
Pf: NA		Ce: NA
Lu: NA	Cs: NA	
Snow Du	ration: NA	
Building	Code:	
FBC 8th	Ed. 2023 I	Res. HVHZ
TPI Std:	2014	
Rep Fac:	Yes	

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

WAVE

9'11"1

Snow Criteria (Pg,Pf in PSF)

12'2'

5'4

5'4"

	Defl/CSI Criteria	
	PP Deflection in loc L/de	efl L/#
	VERT(LL): 0.026 A 99	99 240
	VERT(CL): 0.045 A 99	99 180
	HORZ(LL): 0.013 A -	
_	HORZ(TL): 0.024 A -	
	Creep Factor: 2.0	
	Max TC CSI: 0.434	
	Max BC CSI: 0.579	
	Max Web CSI: 0.398	
	VIEW Ver: 23.02.04.0123	.14

2'3"9

14'5"9

4

A-B

1'6"

4'6"7

19

		um Read Gravity		1000	on-Gra	vity
Loc	R+	/ R-	/Rh	/Rw	/ U	/ RL
Α	735	/-	/-	/299	177	/212
1	949	1-	1-	/453	/109	1-
L	404	1-	1-	/301	/81	1-
Wir	d read	ctions ba	sed on N	MWFRS		
Α	Brg V	Vid = 4.0	Min F	Req = 1.5	(Trus	s)
1	Brg V	Vid = 4.0	Min F	Req = 1.5	5 (Truss	5)
L	Brg V	Vid = 4.0	Min F	Req = 1.5	5 (Truss	s)
Bea	rings	A, I, & L	are a rig	id surfac	e.	
Mer	mbers	not liste	d have fo	orces les	s than 3	375#
Max	cimun	Top Cl	ord For	ces Per	Ply (lb	s)
				Chords		

Lumber

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 member design.

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.

Maximu	m Bot Chord	Forces Per	Ply (lb	s)
Chords	Tens.Comp.	Chords	Tens.	Comp.

E-F

357

- 485

145 - 920

A-K 718 - 145 200 -462 K-J 711 - 146

Maximum Web Forces Per Ply (lbs) Tens. Comp. Webs Tens.Comp. Webs B-J 163 -641 1 - D 166 -980 J-D 845



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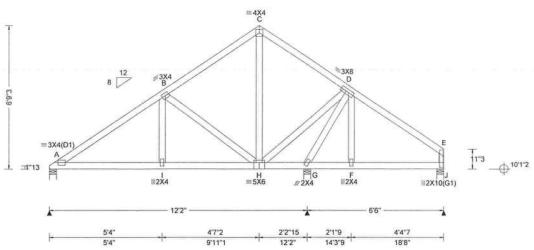
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SEQN: 749992 SPEC Ply: Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.0958.01673 Truss Label: C04 KD / DF 02/16/2024 9'11"1 14'3"9 18'8 4'7"2 4'4"7 ≡4X4 C



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (Ib	
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/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.015 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: 0.380 Max BC CSI: 0.370 Max Web CSI: 0.293	G Brg Wid = 4.0 Min R	Req = 1.5 (Truss) Req = 1.5 (Truss) Req = 1.5 (Truss) Req = 1.5 (Truss) Gid surface. Forces less than 375#
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14	Chords Tens.Comp.	

Lumber

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

Chords Tens.Comp. A-B 159 - 684

> 526 -44

H-D

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 515 512 A-1 -84 1 - H -85

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



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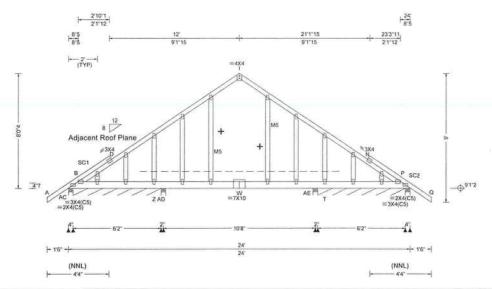
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Job Number: 24-0616 SEON: 750194 GABI Ply: 1 Cust: R 215 JRef: 1XXd2150008 T46 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.0958.58640 02/16/2024 Truss Label: D01



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): 0.028 X 999 240 VERT(CL): 0.058 X 999 180 HORZ(LL): 0.016 H -
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: 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
	Wind Duration: 1.60	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

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.

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

Wind

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-	/-	/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-	/-	10	1-
P 386	1-	1-	1-	/107	1-
Z	/-136				
T	/-130				

Non-Gravity

▲ Maximum Reactions (Ibs), or *=PLF

Gravity

Wind reactions based on MWFRS

AC Brg Wid = 4.0 Min Req = 1.5 (Truss) AC Brg Wid = 74.0 Min Req =

AD Brg Wid = 4.0 AE Brg Wid = 4.0 Min Req = 1.5 (Truss) Min Reg = 1.5 (Truss)

AE Brg Wid = 74.0 Min Req = P Brg Wid = 4.0 Min Req = Min Req = 1.5 (Truss) Bearings AC, AC, AD, AE, AE, & P

are a rigid surface.

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

Chords Tens.Comp. Chords Tens. Comp. B-W 403 - 101 W-P 403 - 101

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



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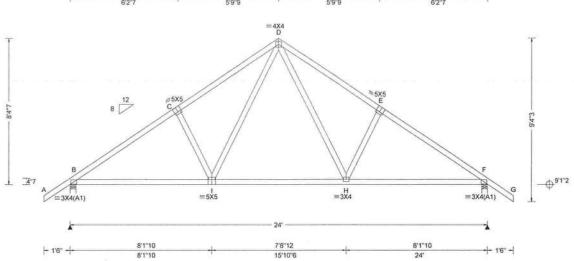
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SEQN: 750004 COMN Ply: Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 T37 FROM: CDM DrwNo: 047.24.0959.00303 Qty: 3 Bell Res Truss Label: D02 KD / DF 02/16/2024 17'9"9



Continue	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: 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
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SHOW C	iteria (Pg	Prin PSF)
Pg: NA	Ct: NA	CAT: NA
Pf: NA		Ce: NA
Lu: NA	Cs: NA	
Snow Du	ration: NA	
Building	Code:	
FBC 8th	Ed. 2023	Res. HVHZ
TPI Std:	2014	
Rep Fac:	Yes	
FT/RT:20	0(0)/10(0)	
Plate Typ	oe(s):	
WAVE		

DefI/CSI Criteria 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 0.665 Max BC CSI: Max Web CSI: 0.225 VIEW Ver: 23.02.04.0123.14

AM	laxim	um Rea	ctions	(lbs)				
Gravity				N	Non-Gravity			
Loc	R+	/ R-	/Rh	/Rw	/ U	/RL		
В	1190	/-	1-	/684	/184	/275		
F	1190	/-	1-	/684	/184	1-		
Win	nd rea	ctions b	ased or	n MWFRS				
В	Brg \	Wid = 4	0 Mi	n Req = 1.	5 (Trus	s)		
F	Brg \	Wid = 4.	0 Mi	n Req = 1.	5 (Trus	s)		
Bea	rings	B&Fa	re a rig	id surface.		0.00		
Mer	mbers	not liste	ed have	forces les	s than :	375#		
Max	kimur	n Top C	hord F	orces Per	Ply (lb	s)		
Cho	ords	Tens.Co	omp.	Chords	Tens.	Comp.		
В-	С	273 -	1565	D-E	340	- 1403		
C-	D	340 -	1401	E-F	273	- 1566		

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

Lumber

Top chord: 2x4 SP #2;

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

clearance.

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is

Maximu	ım Bot	Chord F	Forces Per	Ply (lb	s)
Chords	Tens.C	Comp.	Chords	Tens.	Comp.
B - I	1217	- 104	H-F	1218	- 99
1 - H	824	- 18			

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. I-D 588 - 121 D-H 591 - 120



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SEQN: 750222 COMN Ply: Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM DrwNo: 047.24.0959.01597 Qty: 3 Bell Res Truss Label: D03 / DF 02/16/2024 2364 ≡4X4 =5X6 G III2X4 113X8(G1) 112X4

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	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
Load Duration: 1.25 Spacing: 24.0 "	BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall; not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60

Snow Cr	riteria (Pg	Pf in PSF)
Pg: NA	Ct: NA	CAT: NA
Pf: NA		Ce: NA
Lu: NA	Cs: NA	
Snow Du	ration: NA	
Building	Code:	

Ce: NA	VERT(LL):	0.038 H	999	
	VERT(CL):	0.079 H	999	
١	HORZ(LL):	0.019 F	70	
	HORZ(TL):	0.039 F		
	Creep Facto	r: 2.0		
Res. HVHZ	Max TC CSI	0.362		
	Max BC CSI	0.401		
	Max Web C	SI: 0.426		
	VIEW Ver: 2	3.02.04.0	23.14	
	0.	VERT(CL): HORZ(LL): HORZ(TL): Creep Facto Max TC CSI Max BC CSI Max Web CSI	VERT(CL): 0.079 H HORZ(LL): 0.019 F HORZ(TL): 0.039 F Creep Factor: 2.0 Max TC CSI: 0.362 Max BC CSI: 0.401 Max Web CSI: 0.426	VERT(CL): 0.079 H 999 HORZ(LL): 0.019 F - HORZ(TL): 0.039 F - Creep Factor: 2.0 Max TC CSI: 0.362 Max BC CSI: 0.401

Defl/CSI Cr	iteria			
PP Deflection	on in le	oc L	/defi	L/#
VERT(LL):	0.038	Н	999	240
VERT(CL):	0.079	H	999	180
HORZ(LL):	0.019	F	770	
HORZ(TL):	0.039	F		*
Creep Facto	or: 2.0			
Max TC CS	1: 0.3	862		
Max BC CS	1: 0.4	101		
Max Web C	SI: 04	126		

23'6"4

5'9"2

A M		ım Rea ravity	ctions	51 102 50	bs) Non-Gravity		
Loc	R+	/ R-	/Rh	/Rw	/ U	/ RL	
В	1102	1-	/-	/677	/183	/252	
F	978	1-	1-	1573	/153	1-	
Win	d read	tions b	ased on	MWFRS			
В	Brg V	Vid = 4.	0 Min	Reg = 1.	5 (Trus	s)	
F				Reg = -	32		
Bea	ring B	is a rig	id surfa	ce.			
Mer	nbers	not liste	ed have	forces les	s than 3	375#	
Max	cimum	Top C	hord F	orces Per	Ply (lb	s)	
Cho	rds T	ens.Co	mp.	Chords	Tens.	Comp.	
B -	С	262 -	1411	D-E	281	- 985	
C-	D	272 -	- 985	E-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

Lumber

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

Chords B - I	Tens.Comp.		Chords	Tens. Comp.	
	1088	- 137	H-G	1058	- 137
1 - H	1086	- 138	G-F	1061	- 137

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



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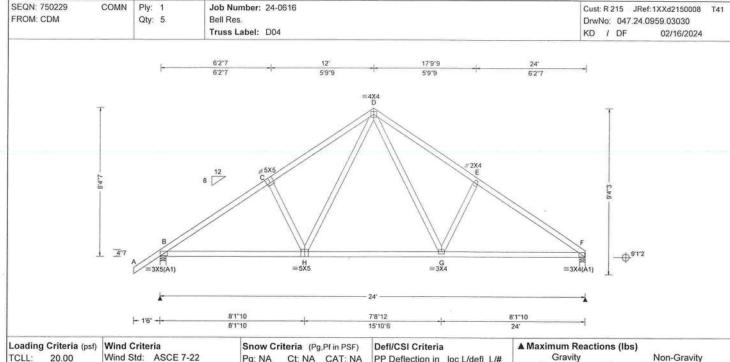
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Pa: NA

Pf: NA

Lu: NA

Cs: NA

Snow Duration: NA

Building Code:

TPI Std: 2014

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

Rep Fac: Yes

Plate Type(s):

WAVE

Lumber

TCLL:

TCDI:

BCLL:

BCDL:

Soffit:

Des Ld:

NCBCLL: 10.00

Spacing: 24.0 "

Load Duration: 1.25

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

20.00

10.00

0.00

10.00

40.00

2.00

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

Speed: 130 mph

Enclosure: Closed

Risk Category: II

EXP: C Kzt: NA

TCDL: 5.0 psf

BCDL: 5.0 psf

C&C Dist a: 3.00 ft

Mean Height: 15.00 ft

MWFRS Parallel Dist: h to 2h

GCpi: 0.18 Wind Duration: 1.60

Loc. from endwall: not in 9.00 ft

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.

Ct: NA CAT: NA PP Deflection in loc L/defl L/# Ce: NA VERT(LL): 0.049 H 999 240 VERT(CL): 0.095 H 999 180 HORZ(LL): 0.021 F HORZ(TL): 0.042 F Creep Factor: 2.0 FBC 8th Ed. 2023 Res. HVHZ Max TC CSI: 0.382 Max BC CSI: 0.668 Max Web CSI: 0.233

VIEW Ver: 23.02.04.0123.14

Gravity Non-Gravity /Rw /U /RI Loc В 1194 1-/684 /13 /256 1083 1-1-/593 16 Wind reactions based on MWFRS Brg Wid = 4.0 Min Req = 1.5 (Truss) Brg Wid = 4.0 Min Req = 1.5 (Truss) Brg Wid = 4.0 Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp 278 - 1571 D-E 358 - 1423 C-D 345 - 1408 291 - 1585

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

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



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

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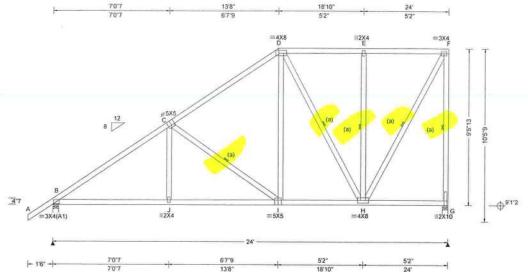
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SEON: 750010 COMN Ply: Job Number: 24-0616 Cust: R 215 JRef; 1XXd2150008 T39 FROM: CDM Qty: Bell Res DrwNo: 047.24.0959.04653 Truss Label: D05 KD / DF 02/16/2024



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/#	▲ 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 Ce: NA Lu: NA Cs: NA Snow Duration: NA	VERT(LL): 0.036 J 999 240 VERT(CL): 0.075 J 999 180 HORZ(LL): 0.015 C -	Loc R+ /R- /Rh B 1122 /- /- G 998 /- /-	/Rw /U /RL /740 /37 /254 /583 /185 /-
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): 0.031 C Creep Factor: 2.0 Max TC CSI: 0.513 Max BC CSI: 0.507 Max Web CSI: 0.432	G Brg Wid = 4.0 Min R Bearings B & G are a rigid s Members not listed have for Maximum Top Chord Ford	MWFRS deq = 1.5 (Truss) deq = 1.5 (Truss) surface. rces less than 375#

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on 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

+ /R-	/Rh	/ Rw	/U	/RL
2 /-	1-	/740	/37	/254
1-	1-	/583	/185	1-
actions b	ased on	MWFRS		
Wid = 4.	0 Min	Req = 1.5	5 (Truss	5)
Wid = 4.	0 Min	Req = 1.5	5 (Truss	5)
sB&Ga	re a rigio	surface.		OC:
rs not liste	ed have f	orces les	s than 3	375#
ım Top C	hord Fo	rces Per	Ply (lbs	s)
Tens.Co	omp.	Chords	Tens.	Comp.
303 -	1424	D-E	259	- 463
000				
	22 /- 24 /- 25 /- 26 ctions b 26 Wid = 4. 27 Wid = 4. 28 B & G a 28 rs not liste 28 um Top C Tens.Co	22 /- /- 3 /- /- sactions based on Wid = 4.0 Min Wid = 4.0 Min Wid = 4.0 Min S B & G are a rigions not listed have furn Top Chord Fo Tens.Comp.	12 /- /- /740 3 /- /- /583 Auditions based on MWFRS 3 Wid = 4.0 Min Req = 1.1 3 Wid = 4.0 Min Req = 1.1 3 S B & G are a rigid surface. 3 rs not listed have forces les 3 Im Top Chord Forces Per Tens.Comp. Chords	22 /- /- /740 /37 3 /- /- /583 /185 4 /- /- /583 /185 4 wid = 4.0 Min Req = 1.5 (Truss 5 Wid = 4.0 Min Req = 1.5 (Truss 6 Wid = 4.0 Min Req = 1.5 (Truss 7 S B & G are a rigid surface. 7 rs not listed have forces less than 3 7 Im Top Chord Forces Per Ply (Ib: 7 Tens.Comp. Chords Tens.

Chords	Tens.C	comp.	Chords	Tens.	Comp.
B-J	1090	-490	1-H	658	- 336
J - I	1088	-491			

Maximum Web Forces Per Ply (lbs)									
Webs	Tens.C	Comp.	Webs	Tens.	Comp.				
C-1	199	-532	E-H	386	- 363				
D-1	468	-60	H-F	944	- 528				
D-H	156	- 399	F-G	596	- 956				



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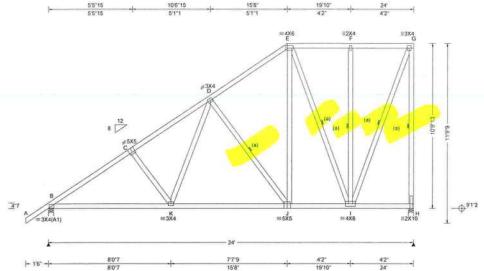
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SEON: 750013 COMN Job Number: 24-0616 Ply: Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.0959.06043 Truss Label: D06 KD / DF 02/16/2024



pading Criteria (psf) Wind Criteria CLL: 20.00 Wind Std: ASCE 7-22	Snow Criteria (Pg,Pf in PSF) Pa: NA Ct: NA CAT: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/#	▲ Maximum Reactions (Ib Gravity	Non-Gravity
CDL: 10.00 Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.042 K 999 240	Loc R+ /R- /Rh	/Rw /U /RL
CLL: 0.00 Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.087 K 999 180	B 1122 /- /-	/746 /14 /289
CDL: 10.00 Risk Category: II	Snow Duration: NA	HORZ(LL): 0.016 C	H 998 /- /-	/615 /185 /-
EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h 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	H Brg Wid = 4.0 Min R Bearings B & H are a rigid s Members not listed have fo Maximum Top Chord Ford	Req = 1.5 (Truss) Req = 1.5 (Truss) surface. Irces less than 375#

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on 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

efl/CSI Criteria	AN			ctions			
Deflection in loc L/defl L/#		C	Gravity		N	on-Gra	vity
ERT(LL): 0.042 K 999 24	0 Loc	: R+	/ R-	/Rh	/Rw	/ U	/RL
RT(CL): 0.087 K 999 18	0 B	1122	1-	1-	1746	/14	/289
DRZ(LL): 0.016 C -	- H	998	1-	1-	/615	/185	1-
DRZ(TL): 0.034 C - eep Factor: 2.0 ax TC CSI: 0.296 ax BC CSI: 0.623 ax Web CSI: 0.554	B H Bea Me Ma	Brg \ Brg \ arings mbers ximun	Nid = 4. Nid = 4. B & H a not liste	0 Min 0 Min are a rigi ed have chord Fo	MWFRS Req = 1.5 Req = 1.5 d surface. forces les orces Per Chords	5 (Truss s than : Ply (lb	s) 375# s)
EW Ver: 23.02.04.0123.14	B - C -	С	234 - 262 -	1446	D-E	242	CONTRACTOR

Maximu	Maximum Bot Chord Forces Per Ply (Ibs)								
Chords	Tens.C	Comp.	Chords	Tens.	Comp.				
B - K	1126	- 494	J-1	530	- 259				
K-J	841	- 384							

Maximum Web Forces Per Ply (lbs) Tens. Comp. Webs Webs Tens.Comp. K-D 447 210 -520 D-J 216 - 527 1 - G 918 -495 E-J 549 - 116 G-H 570 -962



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

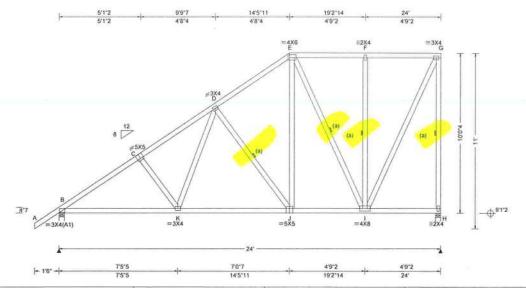
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SEQN: 750231 COMN Ply: Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 5 Bell Res DrwNo: 047.24.0959,07430 Truss Label: D07 KD / DF 02/16/2024



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	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): 0.040 K 999 240 VERT(CL): 0.084 K 999 180	Loc R
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: > 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(LL): 0.015 C	H 99 Wind r B Br H Br Bearin Member Maxim Chords

ximum Reactions (lbs) Gravity Non-Gravity /Rw /U / RL 122 1-1778 /268 98 1-/739 reactions based on MWFRS Brg Wid = 4.0 Min Req = 1.5 (Truss) Brg Wid = 4.0 Min Req = 1.5 (Truss) ngs B & H are a rigid surface. pers not listed have forces less than 375# mum Top Chord Forces Per Ply (lbs) Tens.Comp Chords Tens. Comp 6 - 1459 32 - 1284 F-G 0 -410 D-E 13 -813

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

Lumber

(a) Continuous lateral restraint equally spaced on member.

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.

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

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp B - K 1140 - 284 -60 886

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



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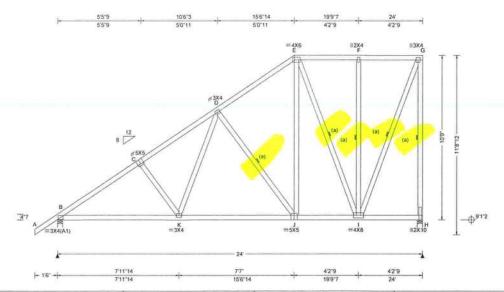
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SEQN: 750197 COMN Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 Ply: FROM: CDM DrwNo: 047.24.0959.09617 Qty: 1 Bell Res KD / DF Truss Label: D08 02/16/2024



Loading Criteria (psf)	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 (lbs) 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): 0.042 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	Loc R+ /R- /Rh /Rw /U /RL B 1122 /- /- /746 /15 /287 H 998 /- /- /613 /185 /- Wind reactions based on MWFRS 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 (Ibs) Chords Tens.Comp. Chords Tens. Comp.
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14	B - C 238 - 1447 D - E 247 - 741 C - D 266 - 1258

Lumber

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

(a) Continuous lateral restraint equally spaced on member.

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 10-9-0.

Gravity					No	on-Gra	vity
Loc	R+	/ R-	/Rh	/R	W	/ U	/RL
В	1122	/-	1-	174	6	/15	/287
Н	998	/-	1-	/61	3	/185	1-
Win	d read	ctions b	ased or	MWFF	S		
В	Brg V	Vid = 4.	0 Mir	Req =	1.5	(Trus	s)
H	Brg V	Vid = 4.	0 Mir	Req =	1.5	(Trus	s)
Bea	rings	В&На	re a rig	id surfac	œ.	514 C. T. T. C. C.	V35/1
Men	nbers	not liste	ed have	forces l	ess	than :	375#
Max	imun	Top C	hord F	orces P	er	Ply (lb	s)
Cho	rds T	Tens.Co	mp.	Chord	S	Tens.	Comp
B - 0	0	238 -	1447	D-E		247	-74
C - I	n	266 -	1258				

Maximu	ım Bot	Chord F	orces Per	Ply (lbs)
Chords	Tens.C	Comp.	Chords	Tens.	Comp.
B - K	1127	- 495	J - I	535	-263
K-J	845	-387			

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



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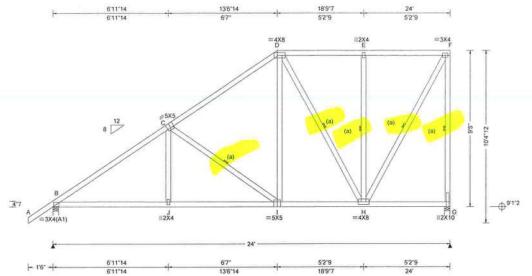
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SEQN: 750200 COMN Ply: Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 T58 DrwNo: 047.24.0959.10987 FROM: CDM Qty: 1 Bell Res KD / DF 02/16/2024 Truss Label: D09



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	s) Non-Gravity
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	VERT(LL): 0.036 J 999 240 VERT(CL): 0.075 J 999 180 HORZ(LL): 0.015 C -	Loc R+ /R- /Rh B 1122 /- /- G 998 /- /-	/Rw /U /RL /740 /38 /252 /582 /185 /-
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 TCDI: 5.0 psf Building Code:	Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014	HORZ(TL): 0.031 C Creep Factor: 2.0 Max TC CSI: 0.504 Max BC CSI: 0.501 Max Web CSI: 0.427	G Brg Wid = 4.0 Min Ro Bearings B & G are a rigid s Members not listed have for Maximum Top Chord Ford	eq = 1.5 (Truss) eq = 1.5 (Truss) surface. rces less than 375# ces Per Ply (lbs)
	Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): WAVE	VIEW Ver: 23.02.04.0123.14	B - C 307 - 1425 D	hords Tens. Comp -E 264 -470 -F 263 -469

Lumber

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

(a) Continuous lateral restraint equally spaced on member.

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 9-5-0.

	0	ravity		Non-Gravity			
Loc	R+	/ R-	/Rh	/R	w /U	/ RL	
В	1122	1-	1-	174	0 /38	/252	
G	998	1-	1-	/58	2 /185	1-	
Win	d read	tions b	ased on	MWFR	S		
В	Brg V	Vid = 4.	0 Min	Req =	1.5 (Trus	s)	
G	Brg V	Vid = 4.	0 Min	Reg =	1.5 (Trus	s)	
Dan	ringe !	B & C -	ro o rini	1	•		
DEG	milys	Dage	ne a ngi	d surfac	e.		
					e. ess than	375#	
Mer	nbers	not liste	ed have	forces le			
Mer Max	nbers cimum	not liste Top C	ed have Chord Fo	forces le	ess than	s)	
Mer Max	mbers cimum ords 7	not liste Top C	ed have Chord Fo omp.	forces le	ess than er Ply (It	s)	

Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.0	Comp.	Chords	Tens.	Comp.		
B-J	1092	-492	1-H	664	- 339		
J-1	1090	- 493					

Maximum Web Forces Per Ply (lbs)							
Webs	Tens.C	Comp.	Webs	Tens.	Comp.		
C - I	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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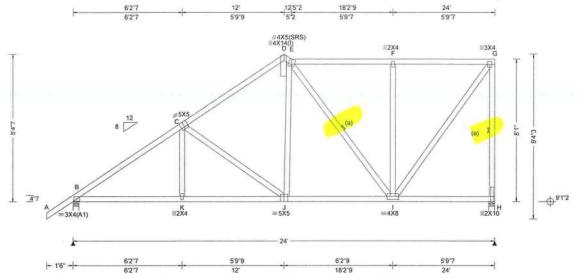
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SEQN: 750203 COMN Ply: Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 DrwNo: 047.24.0959.12387 FROM: CDM Qty: 1 Bell Res Truss Label: D10 KD / DF 02/16/2024



Loading Criteria (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): 0.058 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 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):	HORZ(TL): 0.046 C Creep Factor: 2.0			

Loc R+ /Rh /Rw /U /RL / R-1122 /-/730 152 /226 998 1-/560 /178 1-Wind reactions based on MWFRS

Non-Gravity

▲ Maximum Reactions (lbs) Gravity

Min Req = 1.5 (Truss) Min Req = 1.5 (Truss) Brg Wid = 4.0Brg Wid = 4.0Bearings B & H are a rigid surface.

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

Lumber

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

(a) Continuous lateral restraint equally spaced on member.

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 loads based on MWFRS with additional C&C

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

Additional Notes

The overall height of this truss excluding overhang is

Chords Tens.Comp. B-C 366 - 1441 E-F 335 -605 C-D 392 - 1022 -605 D-E 265 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

1109 -494 B-K J-1 757 - 376 1107 -495 K-J

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



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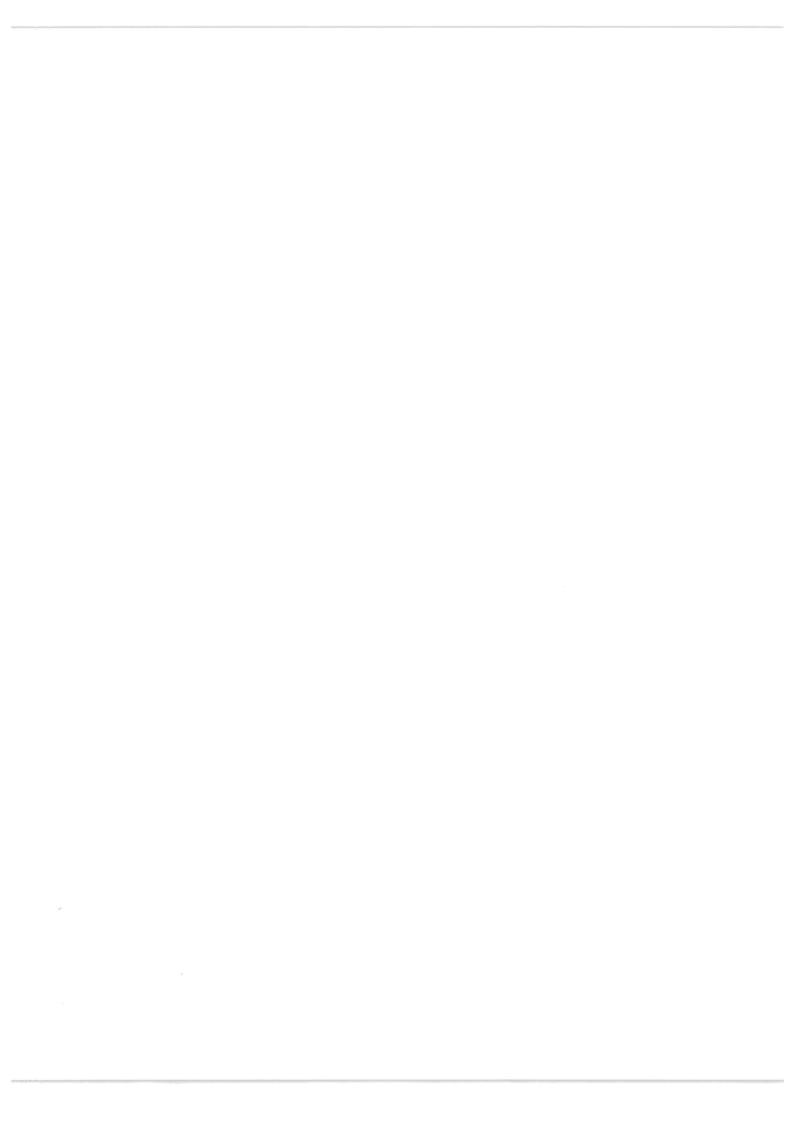
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SEON: 750206 Job Number: 24-0616 COMN Ply: Cust: R 215 JRef: 1XXd2150008 Qty: 1 DrwNo: 047.24.0959.13860 FROM: CDM Bell Res Truss Label: D11 / DF 02/16/2024 2'5"2 =4X4 4X5(SRS) 3.9 II2X10 =3X4(A1)

Loading	Criteria (psf)	Wir
TCLL:	20.00	Win
TCDL:	10.00	Spe
BCLL:	0.00	End
BCDL:	10.00	Risl
Des Ld:	40.00	EXF Mea
NCBCLL:	10.00	TCI
Soffit:	2.00	BCI
Load Dur	ation: 1.25	MW
Spacing:	24.0 "	C&0

nd Criteria nd Std: ASCE 7-22 eed: 130 mph closure: Closed k Category: II P: C Kzt: NA an Height: 15.00 ft DL: 5.0 psf DL: 5.0 psf VFRS Parallel Dist: h to 2h C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60

- 1'6" -

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

5'9"9

Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE

Defl/CSI Criteria

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 HORZ(TL): 0.034 C Creep Factor: 2.0 Max TC CSI: 0.368 Max BC CSI: 0.420 Max Web CSI: 0.781

VIEW Ver: 23.02.04.0123.14

19'2"9

▲ Maximum Reactions (lbs) Non-Gravity Gravity /R /Rh /Rw

10 /RL В 1122 /716 1-/36 1228 998 1-/555 /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 (lbs) Chords Tens.Comp. Chords Tens. Comp

386

300

-877

-602

B-C 360 - 1448 E-F C-D 379 - 1017 F-G D-E 402 - 929

E

Lumber

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

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

Wind loads based on MWFRS with additional C&C 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

Maximum Bot Chord Forces Per Ply (lbs)

Jnords	Tens.Comp.		Chords	Tens. Comp.		
3 - L	1119	-434	K-J	891	- 391	
- K	1117	-435	J-1	635	-321	

Maximum Web Forces Per Ply (lbs)

Webs C - K	Tens.Comp.		Webs	Tens. Comp.		
	172	-450	F-I	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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SEQN: 750209 COMN Job Number: 24-0616 Ply: Cust: R 215 JRef: 1XXd2150008 FROM: CDM Bell Res Qty: 1 DrwNo: 047.24.0959.15197 Truss Label: D12 KD / DF 02/16/2024 4'5"2 4X5(SRS) = 5X6 $\equiv 3X4$ III2X4

20"2"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 DCSLD: 10.00 DCSLD: 10.00 DCSCDD: 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: 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		
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14		

Gravity				ı	Non-Gravity		
Loc	R+	/R-	/Rh	/ Rw	/U	/RL	
В	1122	1-	1-	/705	122	/231	
H	998	1-	1-	1547	/110	1-	
Win	d read	ctions ba	sed or	MWFRS	i		
В	Brg V	Vid = 4.0	Mir	Req = 1	.5 (Trus	s)	
H	Brg V	Vid = 4.0	Mir	Req = 1	.5 (Trus	s)	
Bea	rings	B & H ar	e a rig	id surface		-17	
Men	nbers	not listed	d have	forces le	ss than	375#	
Max	imun	Top Ch	nord F	orces Pe	r Ply (Ib	os)	
Cho	rds 1	Tens.Cor	np.	Chords	Tens.	Comp.	
B - 0	3	333 - 1	447	E-F	380	- 994	
C - 1	0	351 - 1	019	F-G	269	-615	
D-I	Ε	359 -	979				

Maximum Reactions (Ibs)

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

Chords	Tens.C	Comp.	Chords	Tens. (Comp.
B-L	1117	- 360	K-J	1019	- 389
L-K	1116	- 361	J-1	660	- 293

Webs Tens.Comp. Webs Tens. Comp. C-K 171 611 - 158 D-K 674 -229 F - I 420 - 787 1 - G K-E 244 -396 1062 -465 E-J 174 -437 G-H 483 - 968



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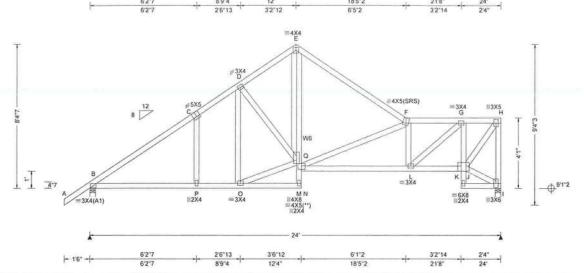
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SEQN: 750213 COMN Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 T16 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.0959,17260 Truss Label: D13 02/16/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	A
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00	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): 0.155 P 999 24 VERT(CL): 0.303 P 943 18 HORZ(LL): 0.099 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/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	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): 0.207 C Creep Factor: 2.0 Max TC CSI: 0.674 Max BC CSI: 0.729 Max Web CSI: 0.849 VIEW Ver: 23.02.04.0123.14	B M M C B

L	u	m	er	

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

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.

now Criteria (Pg,Pf in PSF)	Defl/CSI Criteria					
g: NA Ct: NA CAT: NA f: NA Ce: NA u: NA Cs: NA now Duration: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.155 P 999 240 VERT(CL): 0.303 P 943 180 HORZ(LL): 0.099 C - HORZ(TL): 0.207 C -					
uilding Code: BC 8th Ed. 2023 Res. HVHZ PI Std: 2014 ep Fac: Yes T/RT:20(0)/10(0) late Type(s):	Creep Factor: 2.0 Max TC CSI: 0.674 Max BC CSI: 0.729 Max Web CSI: 0.849					
/AVE	VIEW Ver: 23.02.04.0123.14					

1 99	18 /-	/-	/536	/1/8	/-
Wind r	eactions b	ased or	MWFRS		
B Br	rg Wid = 4	o Mir	Req = 1.	5 (Trus	s)
I Br	rg Wid = 4.	O Mir	Reg = 1.	5 (Trus	s)
Bearin	gs B & I ar	re a rigio	d surface.	- (8	100
Memb	ers not list	ed have	forces les	s than	375#
Maxim	num Top C	Chord F	orces Per	Ply (lb	s)
Chords	s Tens.Co	omp.	Chords	Tens.	Comp.
B-C	265 -	1336	E-F	355	- 1185
C-D	349 -	1198	F-G	497	- 1535
DE	276	1124	CH	205	767

Non-Gravity

/U

/176

/697

/RL

/233

Maximum Reactions (lbs) Gravity

/Rh

/R-

1122

Maximum Bot Chord Forces Per Ply (lbs) Chords Chords Tens.Comp. Tens. Comp. B-P 1009 - 250 1605 -527 P - 0 1007 -247 809 -314

Maximum Web Forces Per Ply (lbs) Tens. Comp. Webs Tens.Comp. Webs 0 - Q -217 L-G 1002 - 255 E-Q 889 341 - 255 G-J -824 M-F 365 -772 J-H 1178 -453 Q - M 397 -88 409 -965 F-L 276 -658



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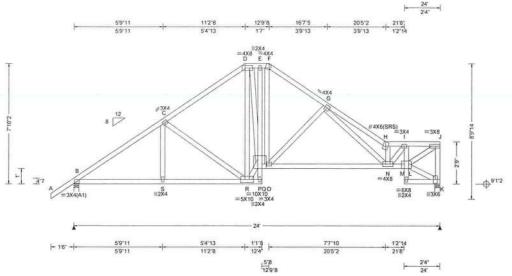
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SEQN: 750215 COMN Job Number: 24-0616 Ply: Cust: R 215 JRef: 1XXd2150008 FROM: CDM Bell Res DrwNo: 047.24.0959.19623 Qty: 1 Truss Label: D14 02/16/2024 KD / DF



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/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18	Speed: 130 mph Enclosure: Closed Risk Category: II	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): 0.096 P 999 240 VERT(CL): 0.199 P 999 180 HORZ(LL): 0.080 K HORZ(TL): 0.166 K
	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	
	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;

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.

ow Cr	iteria (Pg	Pf in PSF)	Defl/CSI Criteria					
: NA	Ct: NA	CAT: NA	PP Deflection in loc L/defl L/#					
NA		Ce: NA	VERT(LL): 0.096 P 999 240					
NA	Cs: NA		VERT(CL): 0.199 P 999 180					
ow Duration: NA		V.	HORZ(LL): 0.080 K					
			HORZ(TL): 0.166 K					
ilding (Code:		Creep Factor: 2.0					
C 8th	Ed. 2023 I	Res. HVHZ	Max TC CSI: 0.335					
Std:	2014		Max BC CSI: 0.742					
p Fac:	Yes		Max Web CSI: 0.973					
RT:20	0(0)/10(0)							
te Typ	e(s):							
AVE			VIEW Ver: 23.02.04.0123.14					

Wind re	actions base	ed on MWFRS	3	
B Brg	Wid = 4.0	Min Reg = 1	.5 (Trus	s)
K Brg	Wid = 4.0	Min Reg = 1	.5 (Trus	s)
Bearing	s B & K are	a rigid surface	9.	5300
		have forces le		
		rd Forces Pe		
Chords	Tens.Comp	c. Chords	Tens.	Comp.
B-C	342 - 145	7 F-G	412	- 1210
C-D	359 - 108	6 G-H	833	-2627
D-E	375 - 94	2 H-I	584	- 1997
E-F			523	- 1548

/Rh

1-

Non-Gravity

/ RL

1222

/U

/184

/170 1-

/Rw

/692

/531

▲ Maximum Reactions (lbs)

Gravity

Loc R+

0 - G

247 - 503

1122

998

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-L	1644	-563		
P-O	087	220					

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. C-R 1212 -408 161 -416 G-N D-R - 1551 195 -880 544 H-N D-P 968 623 -63 - 176 N-1 R-P 1486 -281 173 -619 I-L E-P 641 -233 L-J 1776 -599



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367

-953



SEQN: 750044 HIPS Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 Ply: FROM: CDM Bell Res. DrwNo: 047.24.0959.21570 Qty: 1 Truss Label: D15 KD / DF 02/16/2024 4'8"7 12'4" 17'9"13 22'2"6 1'9"10 4'8"7 4'3"9 3'4" 2'9"13 4'4"9 ≡5X6 III2X4 3X4 G €3X4 C =3X4 Ф^{9′1°2} H2X4 =3X10(A1) =5X6 ≡5X6 0 112X4 =3X10 =3X4(A1) 4'8"7 2'9"13 1'9"10 - 1'6" -9 12'4 17'9"13 22'2"6 24 Snow Criteria (Pg,Pf in PSF) ▲ Maximum Reactions (lbs) Loading Criteria (psf) Wind Criteria Defl/CSI Criteria Wind Std: ASCE 7-22 Gravity Non-Gravity Pg: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/# Loc R+ /U / RL Speed: 130 mph Pf: NA VERT(LL): 0.089 J 999 240 Ce: NA Enclosure: Closed Lee NIA 000 180 B 1109 /678 /191 /200

I CLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00
Load Dura	ation: 1.25
Spacing: 2	24.0 "
(5) (55)	

Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60

VERT(CL):	U.	182	J	999	18
HORZ(LL):	0.0	031	D	-	
HORZ(TL):	0.0	063	D	8	
Creep Facto	or: 2	0.5			
Max TC CS	l:	0.2	290		
Max BC CS	I:	0.4	101		
Max Web C	SI:	0.3	361		

VIEW Ver: 23.02.04.0123.14

Ch	ords	Tens.Com	0.	Chord	S	Tens.	Comp.
		m Top Cho					
Me	mber	s not listed	have f	orces	less	than :	375#
		s B & I are a					
1		Wid = 4.0				(Trus	s)
В	Brg	Wid = 4.0	Min	Req =	1.5	(Trus	s)

/558

/182 1-

1-

Wind reactions based on MWFRS

975 1-

Cilorus	rens.comp.	Onords	16110.	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			

Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Tray Scab(s)

Lumber

(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).

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

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

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - O 1142 -322 1485

Maximum Web Forces Per Ply (lbs)

-420 1141 1488 0 - N -323 -422 1088 -284 L-K

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
D-L	504	-204	F-K	442	- 113
N-L	947	-242	K-G	205	- 594



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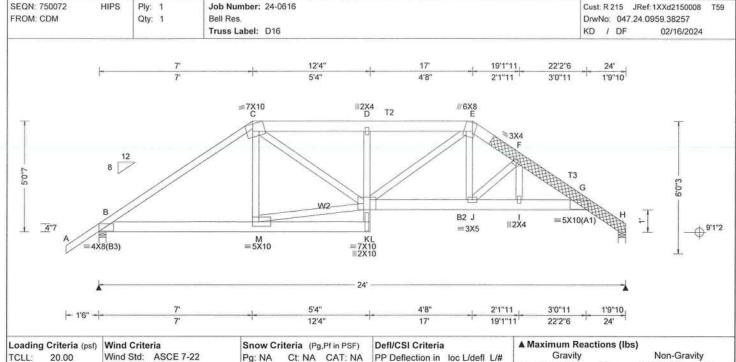
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Loading Crit	eria (psf)	Wind Criteria
TCLL: 20.	00	Wind Std: ASCE 7-22
TCDL: 10.	00	Speed: 130 mph
BCLL: 0.0	00	Enclosure: Closed
BCDL: 10.	00	Risk Category: II
Des Ld: 40. NCBCLL: 10. Soffit: 2.0 Load Duration Spacing: 24.0	00 00 n: 1.25	EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60

Pg: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/# Pf NA VERT(LL): 0.196 D Ce: NA 999 240 Lu: NA Cs: NA VERT(CL): 0.394 D 718 180 Snow Duration: NA HORZ(LL): 0.061 C HORZ(TL): 0.123 C **Building Code:** Creep Factor: 2.0 FBC 8th Ed. 2023 Res. HVHZ Max TC CSI: 0.912 Max BC CSI: TPI Std: 2014 0.683 Rep Fac: Varies by Ld Case Max Web CSI: 0.790 FT/RT:20(0)/10(0) Plate Type(s):

VIEW Ver: 23.02.04.0123.14

Lo	c R+	/ R-	/Rh	/Rw	/ U	/RL
В	2484	1-	1-	/-	/556	<i>J</i> -
H	2356	1-	1-	1-	1541	1-
Wi	nd read	ctions b	ased or	MWFRS		
В	Brg V	Vid = 4.	0 Mir	Req = 2.	9 (Truss	5)
H	Brg V	Vid = 4	0 Mir	Req = 2.	2 (Truss	5)
Be	arings I	В&На	re a rigi	id surface		
Me	mbers	not liste	ed have	forces les	s than 3	375#
Ma	ximum	Top C	hord F	orces Per	Ply (lb	s)
Ch	ords 7	Tens.Co	mp.	Chords	Tens.	Comp.
В-	C	885 -	3854	E-F	1098	-4825
C-	D	1163 -	4849	F-G	1098	-4828
D-	E	1168	4873	G-H	296	- 1297

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

3	(Lumber	Dur.Fac.=1	.25 / Plate [Dur.Fac.=1.3	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	
	BC: From		16.97 to	20 plf at	22.20
	TC: 451 lb	Conc. Load	at 7.03	2.4mm01.40-02.1000041	
	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	d at 7.03		
	BC: 131 lb	Conc. Load	d at 9.06,11	.06	
	BC: 106 lb	Conc. Load	at 12.94,14	1.94	
	BC: 375 lb	Conc. Load	at 16.97		

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).

Purlins

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

WAVE 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 5-0-7.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.			
B - M	3121	- 704	J - I	4590	- 1038		
K - J	4030	- 917	I-G	4603	- 1041		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	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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For more information see these web sites: Alpine: alpineity com: TPI: binst org: SBCA: sbcacomponents com: ICC: iccsafe org: AWC: awc org.

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SEON: 750118 COMN Ply: Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 T29 DrwNo: 047.24.0959.54400 FROM: CDM Bell Res Qty: 1 Page 1 of 2 Truss Label: G01 / DF 02/16/2024 2'10"2 9'3"10 15'7"6 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 ≡5X5 G ≡4X8 D ≡4X10 H ≢6X12 C =5X6 E 1112X4 =H0610 W12 B W4 ⊕9'1"2 B2 N = 8X10 B3 L = M = H0710 =8X12 114X10 =3X12 **≡3X10** =4X8 =4X10 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

Coading Criteria (psf)	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 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	Snow Criteria (Pg.Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0)	DefI/CSI Criteria 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 HORZ(TL): 0.229 C Creep Factor: 2.0 Max TC CSI: 0.907 Max BC CSI: 0.680 Max Web CSI: 0.939
Louis	GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): WAVE, HS	VIEW Ver: 23.02.04.0123.14

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;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

(Lumber	Dur.Fac.=1	.25 / Plate [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		
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	,24.81,26.8	31
28.81.30.81.3	32.81.34.81.	36.81.38.81	40.56	

Purlins

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

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.

Non-Gravity Gravity R+ /R /Rh /Rw /U /RL 0 2948 1-1-1-/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 B-C 797 - 2840 F-G 2525 -8474 C-D 1753 - 5963 G-H 2172 -7275 D-E 2378 - 8018 H-1 1356 -4533 E-F 2525 - 8474

▲ Maximum Reactions (lbs)

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

8055 - 2391 N

Webs	Tens.C	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-0	4158	- 1261	L-H	2997	-891
0 - D	417	- 1324	H-K	531	- 1731
D - N	2244	-682	K-1	5157	- 1542
N-E	148	-436	I - J	776	- 2576



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155 Harlem Ave North Building, 4th Floor

Glenview, IL 60025



SEQN: 750118 COMN Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 T29 DrwNo: 047.24.0959.54400 FROM: CDM Bell Res Qty: 1 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 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) 0.162"x3.5" nails into supporting member.

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



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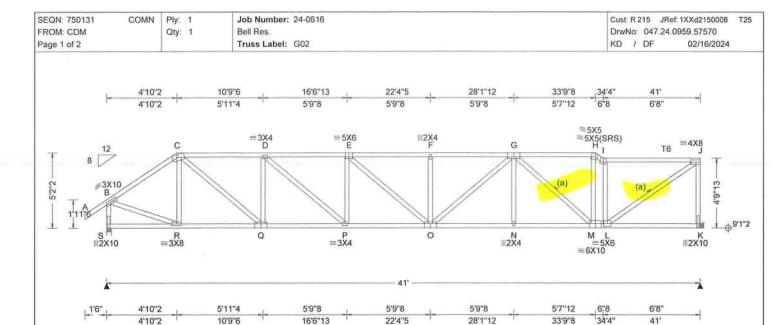
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Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.262 F 999 240	Maximum Reactions (Gravity Loc R+ /R- /Rh	lbs) /
BCLL: 0.00 BCDL: 10.00	Risk Category: II	Lu: NA Cs: NA Snow Duration: NA	VERT(CL): 0.548 F 898 180 HORZ(LL): 0.073 C	S 1828 /- /- K 1721 /- /-	/1 /8
Des Ld: 40.00 EXP: C Kzt: NA Mean Height: 15.00 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): 0.152 C Creep Factor: 2.0 Max TC CSI: 0.648 Max BC CSI: 0.831 Max Web CSI: 0.974	K Brg Wid = - Min Bearing S is a rigid surfact Members not listed have Maximum Top Chord Fo	Req = Req = ce. forces
Lumber	GCpi: 0.18 Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14		F-G G-F

77		_	reivity		
40	Loc	R+	/R-	/Rh	63
80	s	1828	1-	1-	
	1000000		1-	1-	
-	Win	d read	ctions b	ased o	n
	S	Brg V	Vid = 4.	0 M	in
	K	Brg V	Vid = -	M	in
	Bea	ring S	is a rig	id surf	ac
	Mer	nbers	not liste	ed hav	e f
	Max	imun	Top C	hord	Fo
	Cho	rds 7	Tens.Co	mp.	
	B-0	0	693 -	1931	
	C -	D	1065 -	2803	
	D -	Ε	1235 -	3492	

K 172	1 /-	1-	/847	/322	1-
Wind re	actions b	ased on	MWFRS		
S Brg	Wid = 4	.0 Mir	Req = 2.	2 (Trus	s)
K Brg	Wid = -	Mir	Reg = -	105	10
Bearing	Sisario	id surfa	ce.		
Membe	rs not list	ed have	forces les	s than 3	375#
Maximu	ım Top (Chord F	orces Per	Ply (lb	s)
Chords	Tens.C	omp.	Chords	Tens.	Comp.
B-C	693 -	1931	F-G	1306	- 3621
C-D	1065 -	2803	G-H	874	-2212
D-E	1235 -	3492	H-I	978	-2453
E-F	1306 -	3621	l - J	796	-2063

Non-Gravity

/Rw /U

/ RL

Bra	aci	ng
1-1	0	41

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

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

All plates are 5X10 except as noted.

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

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.

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



/1017 /322 /131

Chords	Tens.Comp.	Chords	Tens.	Comp.
R-Q	1538 -614	0 - N	3143	- 1186
Q-P	2860 - 1078	N - M	3143	- 1186
P-0	3518 - 1233	M - L	2154	-840

Maximum Bot Chord Forces Per Ply (lbs)

			Per Ply (0.00	120
Webs	Tens.0	Comp.	Webs	Tens.	Comp.
B-S	667	- 1788	0 - 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-E	255	-445			

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

Hangers / Ties

member.

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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.

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



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SEQN: 750134 COMN Job Number: 24-0616 Ply: Cust: R 215 JRef: 1XXd2150008 Bell Res. DrwNo: 047.24.1000.00030 FROM: CDM Qtv: 1 KD / DF 02/16/2024 Truss Label: G03 6'10"2 13'1"14 19'3"13 25'5"13 31'9"8 36'4" 41 6'10"2 6'3"11 6'1"15 6'1"15 6'3"11 4'6"8 4'8" ≥5X10 5X5(SRS) =5X10 6'6"2 3 ⊕^{9'1"2} ₽ ⊪4X6 ____O =5X5 $\equiv 3X8$ =5X5₩2X10 =5X10 112X10 =3X4

A				41'			-
1'6"	6'10"2	6'3"11	6'1"15	6'1"15	6'3"11	4'6"8	4'8"
	6'10"2	13'1"14	19'3"13	25'5"13	31'9"8	36'4"	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	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
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: 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

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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 (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

▲ Maximum Reactions (Ibs)

Gravity

D-E

E-F

Loc	R+	/ R-	/Rh	/Rw	/ U	/RL
Q	1828	/-	1-	/1038	/322	/151
J	1721	1-	1-	/899	/310	/-
Win	d read	ctions ba	sed on	MWFRS		
Q	Brg V	Vid = 4.0	Min	Req = 2.2	(Trus	s)
J	Brg V	Vid = -	Min	Reg = -	1/4	
Bea	ring C	is a rigi	d surfac	ce.		
Mer	nbers	not liste	d have	forces less	than 3	375#
Max	cimun	n Top CI	nord Fo	rces Per	Ply (lb	s)
				Chords		
B -	С	715 -2	067	F-G	1063	-2693
C-	D	964 - 2	484	G-H	925	-2491

H-1

Non-Gravity

767 -2129

Maximum Bot Chord Forces Per Ply (lbs)

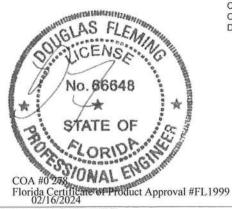
1069 - 2860

1069 - 2860

Chords	Tens.C	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		Webs	Tens.	Comp.
B - Q	650	- 1768	F-M	307	- 559
B-P	1630	-436	M-G	964	- 343
C-0	1217	-425	H-K	612	- 1469
0 - D	361	-746	K - I	2621	-942
D-N	491	-201	1 - J	656	- 1676



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SEQN: 750137 COMN Ply: Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 T28 FROM: CDM Bell Res DrwNo: 047.24.1000.01977 Qty: 1 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 6'10"10 4'5"1 4'5"1 7'0"6 7'0"6 4'3"4 4'3"4 2'8" ≅5X10 G ≶5X10 D =5X6 7'10"2 ±5X5(SRS) ≡4X8 **3X10** ⊕9'1"2 0 M R ≡3X8 P ≡5X6 = 3X8 = 5X5 1 2X10 1'6" 4'5"1 4'5"1 7'0"6 6'10"10 7'0"6 4'3"4 4'3"4 2'8" 8'10"2 15'10"8 22'9"2 29'9"8 34'0"12 4'5"1 38'4" 41 Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) Gravity Non-Gravity TCLL: Wind Std: ASCE 7-22 PP Deflection in loc L/defl L/# 20.00 Pg: NA Ct: NA CAT: NA / RL Speed: 130 mph R+ /Rh /Rw /R /U Loc TCDL: 10.00 Pf: NA Ce: NA VERT(LL): 0.144 F 999 240 Enclosure: Closed 0.00 Lir NA VERT(CL): 0.300 F 180 BCII: Cs: NA 999 S 1828 /1057 /320 /207 Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.052 K 1721 1-1954 /300

Lumber

Des Ld:

Soffit:

NCBCLL: 10.00

Spacing: 24.0 "

Load Duration: 1.25

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

40.00

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.

EXP: C Kzt: NA

C&C Dist a: 4.10 ft

Wind Duration: 1.60

TCDL: 5.0 psf

BCDL: 5.0 psf

Mean Height: 15.00 ft

MWFRS Parallel Dist: h/2 to h

Loc. from endwall: not in 6.50 ft

GCpi: 0.18

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

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

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

Purlins

Building Code:

TPI Std: 2014

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

Rep Fac: Yes

Plate Type(s):

WAVE

FBC 8th Ed. 2023 Res. HVHZ

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

HORZ(TL): 0.110 K

Max Web CSI: 0.654

VIEW Ver: 23.02.04.0123.14

0.682

0.694

Creep Factor: 2.0

Max TC CSI:

Max BC CSI:

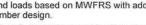
Wind

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

End verticals not exposed to wind pressure.

Additional Notes

The overall height of this truss excluding overhang is



Wind loading based on both gable and hip roof types.

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

Wind reactions based on MWFRS

601 - 1853

741 - 2002

882 - 2243

931 - 2349

Tens.Comp.

1496

1609 -452

2264 -677

Min Reg = 2.2 (Truss)

Tens. Comp.

Tens. Comp.

-2084

- 539

-648

-760

931 -2350

863 -2338

865 - 2645

670

1889

2137

2333

Min Reg = -

Chords

F-G

G-H

H-I

Chords

0 - N

N - M

M-L

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Maximum Bot Chord Forces Per Ply (Ibs)

-440

Maximum Web Forces Per Ply (lbs)

Brg Wid = 4.0

Bearing S is a rigid surface.

Brg Wid = -

Chords Tens.Comp.

B-C

C-D

D-E

Chords

R-Q

Q-P

P-0



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SEON: 750141 COMN Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 T15 FROM: CDM Bell Res DrwNo: 047.24.1000.04697 Qty: 1 Page 1 of 2 Truss Label: G05 KD / DF 02/16/2024 5'2" 10'10"2 15'3"1 19'8" 23'8"12 27'9"8 29 34'9"9 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 =3X6 =5X6 =5X6 =5X6 G н 5X5 =5X10 S ≝4X4 ⊕10'1"2 ON U 1112X4 <u>_4"7</u> _⊕9'1"2 ■2X10(E3) ■3X4(E3) 115X6 12 =3X5(B1) $\equiv 4X4$ 10'2" 30'10" 4'0"12 1'2"8 1'6" 5'2" 5'2" 4'11"1 4'4"15 4'0"12 5'9"9 6'2"7 5'2" 10'4 15'3"1 19'8" 23'8"12 27'9"8 34'9"9 41 Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs) Non-Gravity Wind Std: ASCE 7-22 Pg: NA Ct: NA CAT: NA Gravity TCLL: 20.00 PP Deflection in loc L/defl L/# Speed: 130 mph R+ /R /Rh /Rw 10 /RL TCDL: 10.00 Pf: NA Ce: NA VERT(LL): 0.066 N 999 240 Enclosure: Closed BCLL: 0.00 Lu: NA Cs: NA VERT(CL): 0.139 N 999 180 B 232 1-258 1-187 171 1289 Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.038 L 2462 /340 /1347 1-1-EXP: C Kzt: NA 1120 1-1737 /200 1-HORZ(TL): 0.081 L Des Ld: 40.00 Mean Height: 15.00 ft Wind reactions based on MWFRS NCBCLL: 10.00 TCDL: 5.0 psf

Lumber

Soffit

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

2.00

Load Duration: 1.25

Spacing: 24.0 "

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

BCDL: 5.0 psf

C&C Dist a: 4.10 ft

Wind Duration: 1.60

MWFRS Parallel Dist: h/2 to h

GCpi: 0.18

Loc. from endwall: not in 13.00 ft

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.

Wind loading based on both gable and hip roof types.

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

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: 0.630 Max BC CSI: 0.472 Max Web CSI: 0.944

VIEW Ver: 23.02.04.0123.14

Brg Wid = 4.0 Min Reg = 1.5 (Truss) Brg Wid = 4.0 Min Reg = 2.9 (Truss)

Brg Wid = -Min Req = Bearings B & T are a rigid surface.

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

B-C	683	-237	H-1	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)

Chords	Tens.C	Comp.	Chords	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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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025



SEQN: 750141	COMN	Ply: 1	Job Number: 24-0616	Cust: R 215 JRef: 1XXd2150008 T15
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

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 coverage.

Bearing at location x=40'9" uses the following support conditions: 40'9" 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



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SEON: 750151 COMN Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.1000.06630 Truss Label: G06 KD / DF 02/16/2024 10'4" 12'10"2 19'8" 25'9"8 34'9"9 41 2'6"2 3'2"8 6'2"7 5'2 6'9"14 6'1"8 5'9"9 ₩2X4 G ₩6X8 5X5 11,2,14 ⊕^{10′1″2} ≥ 3X4 12 4 -ф9'1"2 ≡5X10 112X4 =4X4=3X5(A1) 10'2" 30'10" 2'6"2 6'9"14 6'1"8 3'2"8 5'9"9 10'4" 12'10"2 19'8" 25'9"8 34'9"9 41' ▲ Maximum Reactions (lbs)

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	Pg: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.068 P 999 240 VERT(CL): 0.143 P 999 180 HORZ(LL): 0.042 K
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 BWFRS Parallel Dist: h to 2h C&C Dist a: 4.10 ft Loc. from endwall: not in 13.00 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): 0.088 K Creep Factor: 2.0 Max TC CSI: 0.558 Max BC CSI: 0.476 Max Web CSI: 0.566
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14

Non-Gravity Gravity Loc /R-/Rh /Rw 10 /RL B 338 1-70 1-/173 147 /329 2198 S /1244 1-1185 1-1779 162 Wind reactions based on MWFRS Brg Wid = 4.0 Min Reg = 1.5 (Truss) Brg Wid = 4.0 Min Req = 2.6 (Truss) Min Req = 1.5 (Truss) Brg Wid = 4.0 Bearings B, S, & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

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

Bracing

Lumber

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

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

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 9-6-2



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	Comp.	Chords Te		Comp.	
S-R	260	-521	P-N	1241	-203	
Q-P	1093	- 124	M-K	1383	- 305	

Maximum Web Forces Per Ply (lbs) W

Webs	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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SEQN: 750154 COMN Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Bell Res Qty: 1 DrwNo: 047.24.1000.08213 Truss Label: G07 KD / DF 02/16/2024 10'4" 14'10"2 19'8" 23'9"8 34'9"9 4'9"14 5'2"8 6'2"7 4'1"8 4'6"2 5'9"9 ≤5X10 1112X4 =5X6 H 4X5 3X4 12'9"14 5X5 P ≥3X4 ⊕10°1"2 12 4 Ф9'1"2 ≡5X10 ≡4X4 =5X6 ||2X4 ≡3X5(A1) 4'1"8

Loading Criteria (psf) TCLL:	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.20 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	
	GCpi: 0.18 Wind Duration: 1.60	P

10'4'

14'10"2

Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
Pf; NA Ce: NA	VERT(LL): 0.064 N 999 240
Lu: NA Cs: NA	VERT(CL): 0.134 N 999 180
Snow Duration: NA	HORZ(LL): 0.038 K
	HORZ(TL): 0.079 K
Building Code:	Creep Factor: 2.0
FBC 8th Ed. 2023 Res. HVHZ	Max TC CSI: 0.389
TPI Std: 2014	Max BC CSI: 0.478
Rep Fac: Yes	Max Web CSI: 0.534
FT/RT:20(0)/10(0)	
Plate Type(s):	
WAVE	VIEW Ver: 23.02.04.0123.14

23'9"8

34'9"9

	G	ravity		No	n-Gra	vity
Loc	R+	/ R-	/Rh	/ Rw	/ U	/RL
В	358	/-26	1-	/183	143	/369
S	2141	1-	1-	/1243	1-	1-
K	1199	1-	1-	1792	156	1-
Win	d reac	tions ba	sed on	MWFRS		
В	Brg V	/id = 4.0) Min	Req = 1.5	(Trus	s)
S	Brg W	/id = 4.0	Min	Req = 2.5	(Trus	s)
K	Brg V	/id = 4.0	Min	Req = 1.5	(Trus	s)
Bea	rings E	3, S, & F	are a r	rigid surfac	ce.	
Mer	mbers	not liste	d have f	orces less	than	375#
Max	cimum	Top Cl	nord Fo	rces Per	Ply (lb	s)
Cho	ords T	ens.Cor	mp.	Chords	Tens.	Comp

400	
490	- 1215
506	- 1562
470	- 1785
	506

Bracing

Lumber

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'

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

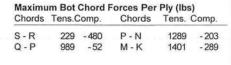
Wind

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 10-10-2.



Maximum Web Forces Per Ply (lbs)						
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		



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SEQN: 750158 COMN Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 3 Bell Res DrwNo: 047.24.1000.10517 02/16/2024 Truss Label: G08 KD / DF 10'4" 13'6"15 19'8" 25'0"11 34'9"9 41 3'11"5 6'2"7 3'2"15 6'1"1 5'4"11 5'9"9 ≢5X10 #2X4 G =5X6 3X4 5X5 Q ≡5X10 ≥3X4 ф^{10'1"2} 12 4 ON ⊕9'1"2 ||2X4 =5X6 =4X4 ≡5X6 ∥2X4 =3X5(A1) 10'2" 30'10" 3'11"5 10'4" 34'9"9

Loading Criteria (psf)	Wind Criteria	Snow 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 Pf: NA Lu: NA Cs: N Snow Duration: I
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	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 Wind Duration: 1.60	Building Code: FBC 8th Ed. 202 TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0 Plate Type(s): WAVE

130 13	190	250 11 29 34	. 3
Snow Crit	eria (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): 0.066 N 999 24	0
Lu: NA	Cs: NA	VERT(CL): 0.139 N 999 18	0
Snow Dura	ation: NA	HORZ(LL): 0.040 K -	
		HORZ(TL): 0.083 K -	è
Building C	ode:	Creep Factor: 2.0	
FBC 8th E	d. 2023 Res. HVHZ	Max TC CSI: 0.429	
TPI Std: 2	2014	Max BC CSI: 0.465	
Rep Fac: \	/es	Max Web CSI: 0.543	
FT/RT:20(0)/10(0)		
Plate Type	e(s):		
WAVE		VIEW Ver: 23.02.04.0123.14	

		ravity	ctions (I	**************************************	on-Gra	vity
Loc	: R+	/R-	/ Rh	/Rw	/U	/RL
В	345	/-55	1-	/167	/91	/365
S	2175	1-	1-	/1280	1-	1-
K	1295	1-	1-	/889	1-	1-
Wir	nd read	tions b	ased on M	MWFRS		
В	Brg V	Vid = 4.	0 Min F	Req = 1.5	(Trus	s)
S	Brg V	Vid = 4.	0 Min F	Req = 2.6	(Trus	s)
K	Brg V	Vid = 4.	0 Min F	Reg = 1.5	(Trus	s)
Bea	arings I	3, S, &	K are a ri	gid surfac	ce.	
Me	mbers	not liste	ed have fo	orces less	than	375#
Ma	ximum	Top C	hord For	ces Per	Ply (Ib	s)
Chi	ords T	ens.Co	mp. (Chords	Tens.	Com

-					
B - C	390	- 197	H-1	146	- 1251
D-E	621	0	I - J	174	- 1526
F-G	26	- 948	J-K	179	- 1746
G-H	26	-948			

Bracing

Lumber

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

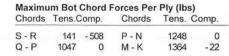
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

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



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



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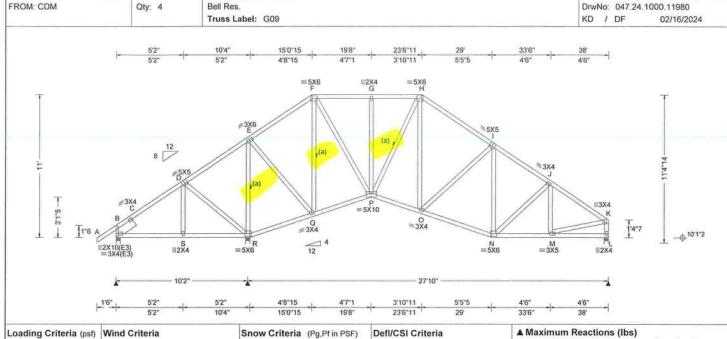
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		- 1921 - 1932 TO 1932	
Loading Criteria		Snow Criteria (Pg,Pf in PSF	
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: N	A PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.043 O 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.087 O 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.027 L
Des Ld: 40.00	EXP: C Kzt: NA		
NCBCLL: 10.00	Mean Height: 16.98 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res. HVI	HZ Max TC CSI: 0.333
Load Duration: 1		2h TPI Std: 2014	Max BC CSI: 0.352
Spacing: 24.0 "	C&C Dist a: 3.80 ft	Rep Fac: Yes	Max Web CSI: 0.465
	Loc. from endwall: not in	9.00 ft FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14

Job Number: 24-0616

	G	ravity		No	on-Gra	ivity
Loc	R+	/ R-	/Rh	/Rw	/ U	/RL
В	424	1-	1-	/242	/50	/324
R	1858	1-	1-	/1123	1-	1-
L	1103	1-	/-	1707	1-	1-
Win	d read	tions b	ased on I	MWFRS		
В	Brg V	Vid = 4.	0 Min I	Req = 1.5	(Trus	s)
R	Brg V	Vid = 4.	0 Min l	Req = 2.2	(Trus	s)
L	Brg V	Vid = 4.	0 Min I	Reg = 1.5	(Trus	s)
Bea	rings I	3, R, &	L are a ri	gid surfac	ce.	
Mer	nbers	not liste	ed have fo	orces less	than	375#
Max	cimum	Top C	hord Fo	rces Per	Ply (I	os)
				Chords		

Cust: R 215 JRef: 1XXd2150008

T64

				The state of the s
166	- 523	H-1	160	- 1091
116	-812	1 - J	201	- 1219
116	-812	J - K	166	- 1320
	116	166 -523 116 -812 116 -812	116 -812 I-J	116 -812 I-J 201

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. Q-P 1021 393 0 - N 0 -88

P - O	880 0	N - M	1048	- 70
Maxim	um Web Ford	es Per Ply (lbs)	
Webs	Tens.Comp.	Webs	Tens.	Comp.

vvebs	rens.c	Jomp.	vvebs	rens.	Comp.
D-R	150	- 394	F-P	874	0
E-R	0	- 1430	M-K	1042	-57
E-Q	939	0	K-L	158	- 1064
F-Q	0	-815			

Lumber

SEQN: 750161

COMN

Ply:

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.

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.



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SEQN: 750164 COMN Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 Ply: FROM: CDM Bell Res. DrwNo: 047.24.1000.13550 Qty: 1 Truss Label: G10 / DF 02/16/2024 10'4 15'0"15 19'8" 23'6"11 33'6" 5'5"5 4'8"15 4'7" 3'10"11 III2X4 =5X6 =5X6 113X4 P ≡5X10 —⊕^{10:1°2} = N = 5X6 S ≣2X4 3'10"11 4'8"15 5'5"5 15'0"15 19'8 23'6"11 Snow Criteria (Pg,Pf in PSF) ▲ Maximum Reactions (lbs), or *=PLF Loading Criteria (psf) Wind Criteria Defl/CSI Criteria Wind Std: ASCE 7-22 Gravity Non-Gravity TCLL: 20.00 Pg: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/# Loc R+ /Rw /U /RL Speed: 130 mph TCDL: 10.00 Pf: NA VERT(LL): 0.042 O Ce: NA 999 240 BCLL: 0.00 Enclosure: Closed Lu: NA Cs: NA VERT(CL): 0.088 O 999 180 B* 214 /131 /31 Risk Category: II EXP: C Kzt: NA 10.00 HORZ(LL): 0.025 L 1099 1-BCDL: Snow Duration: NA 1-/703 HORZ(TL): 0.053 L Wind reactions based on MWFRS 40.00 Des Ld: Mean Height: 16.98 ft Brg Wid = 123 Min Req = -**Building Code:** Creep Factor: 2.0 NCBCLL: 10.00 TCDL: 5.0 psf Min Req = 1.5 (Truss) Brg Wid = 4.0FBC 8th Ed. 2023 Res. HVHZ Max TC CSI: Soffit: 2.00 0.333 BCDL: 5.0 psf Bearings B & L are a rigid surface. TPI Std: 2014 Max BC CSI: 0.353 Load Duration: 1.25 MWFRS Parallel Dist: > 2h Members not listed have forces less than 375# Rep Fac: Yes Max Web CSI: 0.465 Spacing: 24.0 C&C Dist a: 3.80 ft Maximum Top Chord Forces Per Ply (lbs) FT/RT:20(0)/10(0) Loc. from endwall: not in 9.00 ft Chords Tens.Comp. Chords Tens. Comp. GCpi: 0.18 Plate Type(s): VIEW Ver: 23.02.04.0123.14 150 - 515 Wind Duration: 1.60 WAVE F-G 104 -802 1-J 193 - 1213 Lumber G-H 104 -802 159 - 1315 Top chord: 2x4 SP #2: Maximum Bot Chord Forces Per Ply (lbs)

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.

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



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

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North Building, 4th Floor Glenview, IL 60025

Chords Tens.Comp.

421

873

Tens.Comp.

226 -389

935

0 -812

Maximum Web Forces Per Ply (lbs)

0 - 1429

0

Q-P

P-0

Webs

D-R

E-R

E-Q

F-Q

Chords

0 - N

Webs

F-P

M-K

K-L

Tens. Comp.

Tens. Comp.

0

0

-51

-64

1016

1044

874

1038

152 - 1060

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 5'0"5 10'0"10 15'0"15 19'3"13 23'6"11 28'4"7 33'2"4 5'0"5 5'0"5 4'2"14 4'2"14 4'9"12 4'9"12 = 5X6 1112X4 5X5 3X10 2X4 →10'1"2 = 5X5 4'2"14 7'2"11 7'2"11 7'6"8 15'0"15 19'3"13 23'6"11 30'9"5 ▲ Maximum Reactions (lbs)

loc L/defl L/#

999 180

999 240

E-F

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): 0.133 P 999 VERT(CL): 0.244 P 999 HORZ(LL): 0.063 K -		
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	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 GCoi: 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 - Creep Factor: 2.0 Max TC CSI: 0.899 Max BC CSI: 0.861 Max Web CSI: 0.628		
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14		

Gravity Non-Gravity R+ /Rh /Rw /U / RL B 1929 1-/1050 /-1324 1826 1-1-/948 Wind reactions based on MWFRS Brg Wid = 4.0 Min Req = 2.3 (Truss) Min Req = 2.2 (Truss) Bra Wid = 4.0Bearings B & L are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B-C 239 - 2702 C-D 210 - 2612 G-H 213 - 1698 D-E 246 - 2474 H-1 229 -2037

1-J

Chords

256 -2359

Tens. Comp

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Lt Slider: 2x8 SP #2; block length = 1.643'

Bracing

(a) Continuous lateral restraint equally spaced on member

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

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.



B-Q 2042 0 - N 1618 0 Q-P 1919 N-M 1832 0 P-0 1643 0 M-L 1859 -96 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. E-P 231 -481 N - 1 220 -388 F-P 670 - 126 -2418 J-L 121 H-N 587 - 124

Maximum Bot Chord Forces Per Ply (lbs)

227 - 2077

Chords Tens.Comp

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SEON: 750225 COMN Job Number: 24-0616 Ply: 1 Cust: R 215 JRef: 1XXd2150008 T7 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.1000.16670 Truss Label: G12 02/16/2024 10'0"10 15'0"15 23'6"11 19'3"13 28'4"7 33'2"4 5'0"5 4'9"12 =5X6 12X4 =5X6 ≥ 3X4 8 2 11"6 ⊕^{10'1"2} = 3X8 0 5X10 = 5X5 ≡3X4 =3X4 7'2"11 15'0"15 23'6"11 19'3"13 30'9"5 ▲ Maximum Reactions (Ibs) Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria Wind Std: ASCE 7-22 Gravity Non-Gravity TCLL: 20.00 Pa: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/# / RL Speed: 130 mph R+ /R-/Rh /Rw /U 10.00 Pf NA VERT(LL): 0.080 F 999 240 TCDI: Ce: NA Enclosure: Closed BCLL: 0.00 Lu: NA Cs: NA VERT(CL): 0.167 F 999 180 Q 1594 /958 1292 1-Risk Category: II BCDL 10.00 Snow Duration: NA HORZ(LL): 0.037 J 1595 /-1-/948 1-EXP: C Kzt: NA Wind reactions based on MWFRS HORZ(TL): 0.077 J Des Ld: 40.00 Mean Height: 15.00 ft Brg Wid = 4.0 Min Reg = 1.5 (Truss) NCBCLL: 10.00 **Building Code:** Creep Factor: 2.0 TCDL: 5.0 psf Brg Wid = 4.0 Min Req = 1.9 (Truss) FBC 8th Ed. 2023 Res. HVHZ Max TC CSI: 0.323 Soffit: 2.00 BCDL: 5.0 psf Bearings Q & K are a rigid surface. TPI Std: 2014 Max BC CSI: 0.681 Load Duration: 1.25 MWFRS Parallel Dist: h to 2h Members not listed have forces less than 375# Rep Fac: Yes Spacing: 24.0 " Max Web CSI: 0.534 C&C Dist a: 3.80 ft Maximum Top Chord Forces Per Ply (lbs) FT/RT:20(0)/10(0) Loc. from endwall: not in 9.00 ft Chords Tens.Comp. Chords Tens. Comp Plate Type(s): GCpi: 0.18 A-B 344 - 2342 E-F 217 - 1425 Wind Duration: 1.60 VIEW Ver: 23.02.04.0123.14 WAVE B-C 232 - 2291 F-G 217 - 1425 Lumber C-D 267 - 2154 G-H 234 - 1714 Top chord: 2x4 SP #2 D-E 235 - 1750 H-1 261 -2005 Bot chord: 2x4 SP #2; B1 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; Maximum Bot Chord Forces Per Ply (lbs) Lt Slider: 2x6 SP #2; block length = 1.550 Chords Bracing (a) Continuous lateral restraint equally spaced on P

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.

10110.0	omp.	Onordo	10110.	comp.
1827	- 134	N-M	1350	0
1639	-9	M - L	1549	0
1375	0	L-K	1590	- 100
	1827 1639	1639 - 9	1827 - 134 N - M 1639 - 9 M - L	1827 -134 N - M 1350 1639 -9 M - L 1549

Maximum Web Forces Per Ply (lbs)

Webs	Webs Tens.Comp		Webs	Tens.	Comp.
D - O	233	-457	G-M	443	- 127
E - O	496	- 132	1-K	126	-2056



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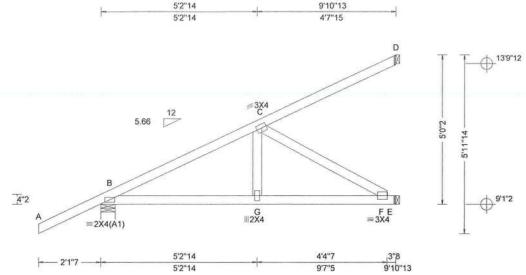
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025



SEQN: 750065 HIP Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 T12 FROM: CDM DrwNo: 047.24.1000.20847 Qty: 1 Bell Res Truss Label: HJ01 KD / DF 02/16/2024



TCLL: 20.00		Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
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 Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18	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 HORZ(TL): 0.009 F
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):	Creep Factor: 2.0 Max TC CSI: 0.641 Max BC CSI: 0.506 Max Web CSI: 0.313 VIEW Ver: 23.02.04.0123.14

	G	cavity		No	on-Gra	vity
Loc	R+	/R-	/Rh	/Rw	/ U	/ RI
В	472	1-	/-	1-	/91	1-
E	375	1-	1-	1-	17	1-
D	258	1-	1-	1-	/93	1-
Wir	nd read	ctions b	ased on N	MWFRS		
В	Brg V	Vid = 5.	7 Min F	Req = 1.5	(Trus	s)
E	Brg V	Vid = 1.	5 Min F	Reg = -		
D	Brg V	Vid = 1.	5 Min F	Reg = -		
Bea	aring B	is a rig	id surface	9.		
Mei	mbers	not liste	ed have fo	orces les	s than	375#
Ma	ximun	Top C	hord For	ces Per	Ply (It	os)
Chr	ords 7	Tens.Co	mn			:5

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

Lumber

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.

Maximu	Maximum Bot Chord Forces Per Ply (lbs)					
Chords	Tens.C	omp.	Chords	Tens. 0	Comp.	
B - G	529	-79	G-F	525	-81	

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. C-F 95 -610

96 -614

B-C

CI CI CI CO GLAS FLEN No. 66648 COA #0 278
Florida Certificate of Product Approval #FL1999
02/16/2024

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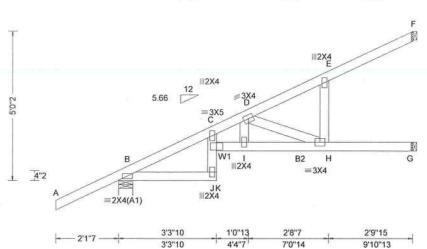




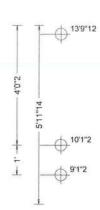
SEQN: 750057 HIP Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 Ply: FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.1000.23057 Truss Label: HJ02 KD / DF 02/16/2024 4'4"7 7'0"14 9'10"13

2'8"7

2'9"15



4'4"7



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 (Ibs) Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.221 H 529 240	Loc R+ /R- /Rh /I
BCLL: 0.00 BCDL: 10.00	Enclosure: Closed Risk Category: II	Lu: NA Cs: NA Snow Duration: NA	VERT(CL): 0.454 H 258 180 HORZ(LL): 0.105 E	B 472 /- /- /- G 269 /- /- /-
	EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18 Wind Duration: 1.60	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): 0.215 E Creep Factor: 2.0 Max TC CSI: 0.407 Max BC CSI: 0.569 Max Web CSI: 0.845	F 364 /- /- /- Wind reactions based on MWF B Brg Wid = 5.7 Min Req = G Brg Wid = 1.5 Min Req = F Brg Wid = 1.5 Min Req = Bearing B is a rigid surface. Members not listed have forces Maximum Top Chord Forces

	G	Gravity		N	on-Gra	vity
Loc	R+	/ R-	/ Rh	/Rw	/U	/RL
В	472	1-	1-	1-	/91	1-
G	269	1-	1-	/-	/9	1-
F	364	1-	1-	1-	/90	1-
Win	d read	ctions b	ased on I	MWFRS		
В	Brg V	Vid = 5.	7 Min	Req = 1.5	5 (Trus	is)
G	Brg V	Vid = 1.	5 Min	Req = -		
F	Brg V	Vid = 1.	5 Min I	Req = -		
Bea	ring B	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 (II	os)
Cho	ords 7	Tens.Co	mp.	Chords	Tens.	Comp

Lumber

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

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

Maximum Bot Chord Forces Per Ply (lbs)

Chords	rens.Comp.		Chords	rens.	Comp.
B-K	393	-57	1 - H	1117	- 165
J - I	1145	- 167			

C-D

173 - 1177

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

76 - 497

D-H 171 - 1160

B-C

COMMINICAL PROPERTY OF THE PERSON OF THE PER AS FLEM No. 66648 ESS/ONAL COA #0 278 Florida Certificate of Product Approval #FL1999 02/16/2024

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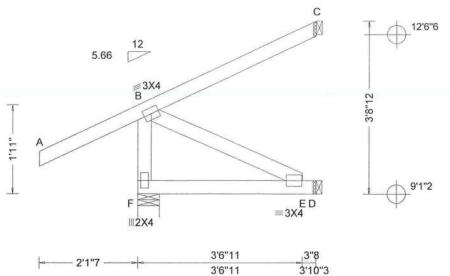
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025



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



Loading Criteria (psf) TCLL: 20.00	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.001 E 999 240	▲ Maximum Reactio Gravity Loc R+ /R- /R		
BCLL: 0.00 BCDL: 10.00	Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Lu: NA Cs: NA Snow Duration: NA	VERT(CL): 0.001 E 999 180 HORZ(LL): 0.000 C	F 199 /- /- D 16 /- /-	
Des Ld: 40.00 NCBCLL: 0.00 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: NA GCpi: 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	C 36 /- /- Wind reactions based F Brg Wid = 5.7 D Brg Wid = 1.5 C Brg Wid = 1.5 Bearing F is a rigid su Members not listed ha	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14		

ns (lbs) Non-Gravity /RL /Rw /U /49 1-/12 1-/16 1d on MWFRS Min Reg = 1.5 (Truss) Min Req = Min Req = urface. ave forces less than 375#

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



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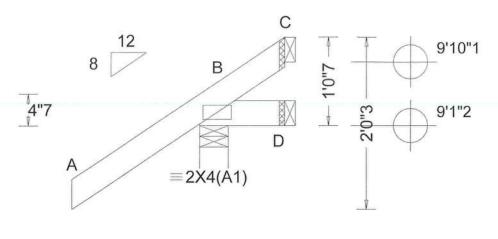
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SEQN: 750046 **JACK** Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 Ply: FROM: CDM Bell Res. DrwNo: 047.24.1000.26360 Qty: 4 Truss Label: J01 KD / DF 02/16/2024





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	Defl/CSI Criteria PP Deflection in loc L/defl L/#	▲ Maximum Reac Gravity	tions (lbs)	Non-Gra	avitv
TCDL: 20.00	Speed: 130 mph	Pf: NA Ct. NA CAT. NA	VERT(LL): NA	Loc R+ /R-	/Rh /R		/RL
BCLL: 0.00 BCDL: 10.00	Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Lu: NA Cs: NA Snow Duration: NA	VERT(CL): NA HORZ(LL): -0.000 B	B 261 /- D 5 /-16	/- /22 /- /15	/17	/50 /-
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):	Creep Factor: 2.0 Max TC CSI: 0.279 Max BC CSI: 0.044 Max Web CSI: 0.000	C - /-57 /- /38 /68 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375			ss)

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



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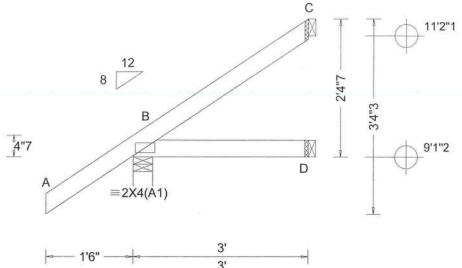
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SEQN: 750061 JACK Job Number: 24-0616 Ply: 1 Cust: R 215 JRef: 1XXd2150008 T9 FROM: CDM Qty: 2 Bell Res DrwNo: 047.24.1000.28273 Truss Label: J02 02/16/2024



	1'6'	3'	1		
Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-22 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	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 B HORZ(TL): 0.001 B Creep Factor: 2.0 Max TC CSI: 0.249 Max BC CSI: 0.067 Max Web CSI: 0.000	D Brg Wid = 1.5 Min F	Non-Gravity / Rw / U / RI /200 /29 /98 /32 /- /- /43 /43 /- //WFRS Req = 1.5 (Truss) Req = - Req = -
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14		

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.

Additional Notes

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



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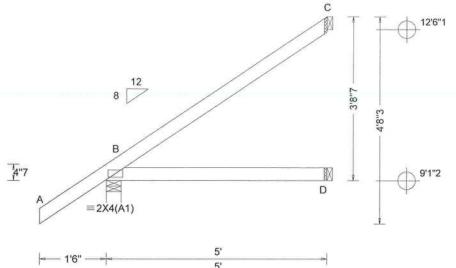
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	 	5' 5'				
Loading Criteria (psf) TCLL: 20.00	Wind Criteria Wind Std: ASCE 7-22	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/#	▲ Maximum Reactions (Ib Gravity Loc R+ /R- /Rh	Non-Gravit	ty / RL
TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2	Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014	VERT(LL): NA VERT(CL): NA HORZ(LL): 0.004 B HORZ(TL): 0.008 B Creep Factor: 2.0 Max TC CSI: 0.421 Max BC CSI: 0.242	B 339 /- /- D 91 /- /- C 131 /- /- Wind reactions based on M B Brg Wid = 4.0 Min R D Brg Wid = 1.5 Min R	/240 /23 / /52 /- /94 /79	/145 /- /-
Spacing: 24.0 "	C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Max Web CSI: 0.000 VIEW Ver: 23.02.04.0123.14	Bearing B is a rigid surface. Members not listed have for		75#

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.

Additional Notes

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



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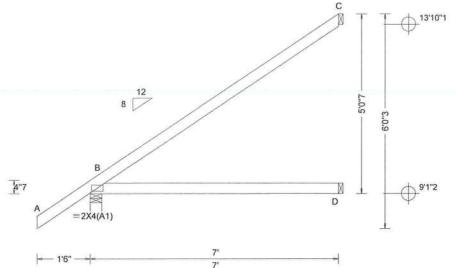
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

WAVE









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: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60

Snow Cr	iteria (Pg	,Pf in PSF)	
Pg: NA	Ct: NA	CAT: NA	1
Pf: NA		Ce: NA	1
Lu: NA	Cs: NA		1
Snow Du	ration: NA		
Building (Code:		
FBC 8th	Ed. 2023 I	Res. HVHZ	1
TPI Std:	2014		1
Rep Fac:	Yes		
FT/RT:20	(0)/10(0)		1

Plate Type(s):

WAVE

ı	Defl/CSI Cri	iteri	a			
ı	PP Deflection	n ir	l lo	oc L	defl	L/#
1	VERT(LL):	NA				
1	VERT(CL):	NA				
	HORZ(LL):	0.0	113	B	173	7
-	HORZ(TL):	0.0	27	В		
	Creep Facto	r: 2	.0			
	Max TC CSI	:	0.7	47		
	Max BC CSI	12	0.5	27		
	Max Web C	SI:	0.0	00		

VIEW Ver: 23.02.04.0123.14

	G	Gravity		No	on-Grav	vity
Loc	R+	/ R-	/ Rh	/Rw	/ U	/RL
В	417	/-	/-	/287	/18	/192
D	131	1-	1-	175	1-	1-
C	193	1-	1-	/140	/114	1-
Win	d read	ctions ba	ased on M	MWFRS		
В	Brg V	Vid = 4.	0 Min F	Req = 1.5	(Truss	5)
D	Brg V	Vid = 1.	5 Min F	Reg = -		
C	Brg V	Vid = 1.	5 Min F	Reg = -		
Bea	ring B	is a rig	id surface	ė.		

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 5-0-7.



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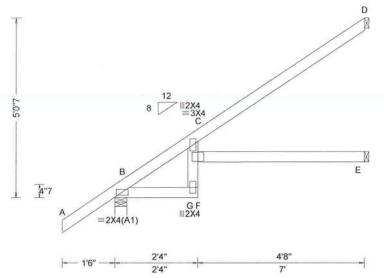
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Glenview, IL 60025



SEON: 750054 **EJAC** Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 T43 FROM: CDM Qty: 3 Bell Res DrwNo: 047.24.1000.33170 / DF 02/16/2024 Truss Label: J05



13'10"1
6,03
10'1"2
——— ^{9'1"2}

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in 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 C&C Dist a: 3.00 ft Loc, from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA
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

Pf: NA	Ce: NA	VERT(LL):	0.178 F	461	
Lu: NA Cs: NA		VERT(CL):	0.362 F	227	
Snow Duration: No	A	HORZ(LL):	0.127 C		
	8231	HORZ(TL):	0.258 C	-	
Building Code:		Creep Factor	r: 2.0		
FBC 8th Ed. 2023	Res. HVHZ	Max TC CSI:	0.933		
TPI Std: 2014		Max BC CSI:	0.346		
Rep Fac: Yes		Max Web CS	SI: 0.277		
FT/RT:20(0)/10(0)		100000000000000000000000000000000000000			
Plate Type(s):					
WAVE	VIEW Ver: 23.02.04.0123.14			4	

Defl/CSI Crit	teria				
PP Deflection	n in	lo	oc L	./defl	L/#
VERT(LL):	0.17	8	F	461	240
VERT(CL):	0.36	2	F	227	180
HORZ(LL):	0.12	7	C	-	2
HORZ(TL):	0.25	8	C	70	~
Creep Factor	r: 2.0)			
Max TC CSI:	(2.0	33		
Max BC CSI:).3	346		
Max Web CS	SI: ().2	277		

	C	Gravity	- movement - 111 - 111	N	on-Gra	vity
Loc	R+	/ R-	/Rh	/Rw	/ U	/RL
В	417	1-	1-	/287	/18	/192
E	106	1-	1-	/62	1-	1-
D	207	/-	1-	/154	/111	1-
Wir	d rea	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	Reg = -		
Bea	ring B	is a rigi	d surface	Э.		
Mer	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;

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 5-0-7.



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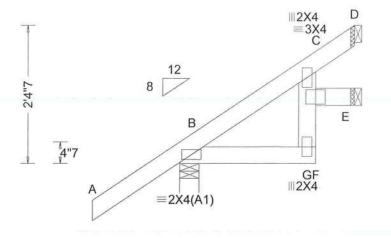
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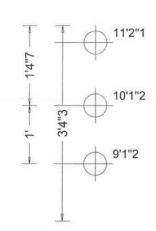
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SEON: 750050 Job Number: 24-0616 JACK Ply: 1 Cust: R 215 JRef: 1XXd2150008 T54 FROM: CDM Qty: 2 Bell Res DrwNo: 047.24.1000.35427 Truss Label: J06 / DF 02/16/2024





L	1'6"	2'4"	8"
	- 10	2'4"	3'

Snow Criteria (Pg,Pf in PSF)

Loading Criteria (psf)	Wind Criteria	Snow
TCLL: 20.00 TCDL: 10.00	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed	Pg: NA
BCLL: 0.00 BCDL: 10.00	Risk Category: II EXP: C Kzt: NA	Lu: NA Snow I
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	Buildin FBC 8t TPI Sto Rep Fa FT/RT: Plate T

Pg: NA	Ct: NA	CAT: NA	PP Deflection	on in loc L		
Pf: NA		Ce: NA	VERT(LL):	0.003 F		
Lu: NA	Cs: NA		VERT(CL):	0.005 F		
Snow Du	ration: NA	V.	HORZ(LL):	0.002 C		
		~	HORZ(TL):	0.004 C		
Building Code:			Creep Factor: 2.0			
FBC 8th I	Ed. 2023	Res. HVHZ	Max TC CSI	: 0.279		
TPI Std:	2014		Max BC CSI	0.045		
Rep Fac:	Yes		Max Web C	SI: 0.031		
FT/RT:20	(0)/10(0)					
Plate Typ	e(s):					

Defl/CSI Criteria

VIEW Ver: 23.02.04.0123.14

loc L/defl L/# 999 240

999 180

		G	aravity	-	N	Non-Gravity			
	Loc	R+	/R-	/ Rh	/Rw	/ U	/ RL		
	В	268	/-	/-	/200	/29	/98		
	E	21	1-	1-	/16	/1	1-		
	D	73	1-	1-	154	/32	1-		
	Wir	nd read	ctions b	ased on	MWFRS				
	В	Brg V	Vid = 4.	0 Min	Req = 1.5	(Trus	s)		
ı	E	Brg V	Vid = 1.	5 Min	Req = -	20040 - 5			
П	D	Brg V	Vid = 1.	5 Min	Reg = -				
1	Bea	ring B	is a rig	id surfac	e.				
					orces les	s than	375#		

Lumber

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

Wind

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

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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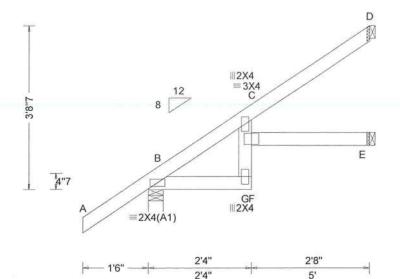
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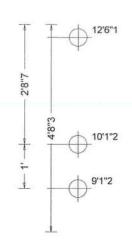


Glenview, IL 60025



SEQN: 750052 JACK Ply: Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 T53 FROM: CDM Qty: 2 Bell Res DrwNo: 047.24.1000.37077 Truss Label: J07 KD / DF 02/16/2024





Loading Criteria (psf)	Wind Criteria	Snow C
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA
TCDL: 10.00	Speed: 130 mph	Pf: NA
BCLL: 0.00	Enclosure: Closed	Lu: NA
BCDL: 10.00	Risk Category: II	Snow Du
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	Building FBC 8th TPI Std: Rep Fac: FT/RT:20 Plate Typ

Snow Criteria (Pg.P	f in PSF)	DefI/CSI Criteria
Pg: NA Ct: NA C	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 Re	s. 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):		
14/41/5		VIEW Ver: 23 02 04 0123 14

	G	Gravity	N	on-Gra	vity	
Loc	R+	/ R-	/Rh	/Rw	/ U	/RL
В	339	1-	/-	/240	/23	/145
E	63	1-	1-	/37	1-	1-
D	144	1-	/-	/107	174	1-
Wir	nd 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	Req = -		
D	Brg V	Vid = 1.5	Min F	Reg = -		
			d surface		33U W	82010000
Me	mhore	not lieta	d have fo	reac lace	e 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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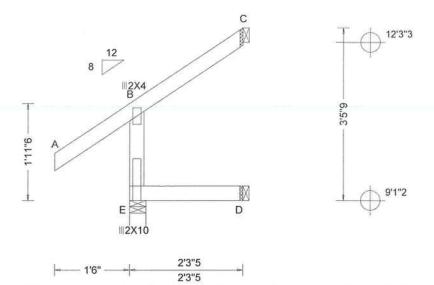
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SEQN: 750107 JACK Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.1000.38837 Truss Label: J08 KD / DF 02/16/2024



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	Defl/CSI Criteria PP Deflection in loc L/defl L/#	▲ Maximum Reactions (Ib Gravity	s) Non-Gravity	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.000 B 999 240	Loc R+ /R- /Rh	/Rw /U /RI	
BCLL: 0.00 BCDL: 10.00	Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Lu: NA Cs: NA Snow Duration: NA	VERT(CL): 0.001 B 999 180 HORZ(LL): 0.000 B HORZ(TL): 0.001 B	E 233 /- /- D 45 /- /- C 39 /- /-	/218 /86 /- /23 /- /- /57 /36 /81	
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	40.00 Mean Height: 15.00 ft 10.00 TCDL: 5.0 psf 2.00 BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2	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: 0.267 Max BC CSI: 0.054 Max Web CSI: 0.126	Wind reactions based on MWFRS E Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs)		
	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;

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.

The overall height of this truss excluding overhang is



B-E

424 - 210

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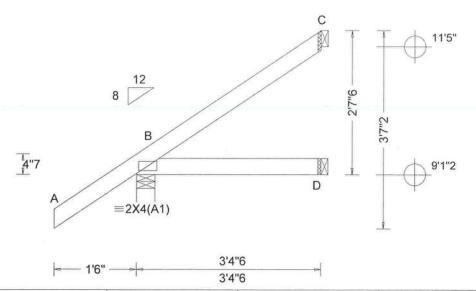
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025



SEQN: 750105 JACK Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 1 DrwNo: 047.24.1000.40423 Truss Label: J09 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	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
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: 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

WAVE

	G	Gravity	345 - 0.455 - 0.0 5 15	N	lon-Gra	vity
Loc	R+	/ R-	/Rh	/Rw	/ U	/RL
В	280	1-	1-	/206	/28	/106
D	58	1-	1-	/36	1-	1-
C	77	1-	1-	/53	/50	1-
Wir	d read	ctions ba	ased on M	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	Reg = -		
Bea	ring B	is a rig	id surface	э.		
		-	d have f		o than	275#

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.

Wind Duration: 1.60

Additional Notes

The overall height of this truss excluding overhang is 2-7-6.



VIEW Ver: 23.02.04.0123.14

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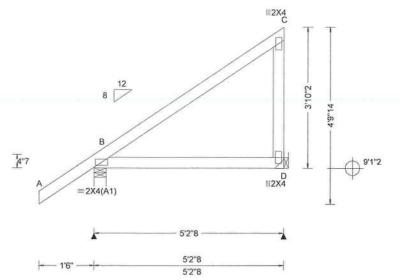
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Loading Criteria (psf) TCLL: 20.00	Wind Criteria Wind Std: ASCE 7-22	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/#	▲ Maximum Reactions (Ibs) Gravity
TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 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: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any	Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. HVHZ TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0)	VERT(LL): NA VERT(CL): NA HORZ(LL): 0.004 B HORZ(TL): 0.008 B Creep Factor: 2.0 Max TC CSI: 0.386 Max BC CSI: 0.247 Max Web CSI: 0.115	Loc R+ / R- / Rh / I B 348 /- /- /- D 245 /- /- /- Wind reactions based on MWF B Brg Wid = 4.0 Min Req = D Brg Wid = - Min Req = Bearing B is a rigid surface. Members not listed have forces
	GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): WAVE	VIEW Ver: 23.02.04.0123.14	- 3

/Rw /RL /U 1-1-/32 **VFRS** q = 1.5 (Truss) eq = ces less than 375#

Non-Gravity

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) C: From 64 plf at -1.50 to 64 plf at C: From 5 plf at -1.50 to 5 plf at TC: From 5.21 BC: From BC: From 20 plf at 0.00 to TC: 36 lb Conc. Load at 5.08 0.00 to 20 plf at 5 21

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 Ply: 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



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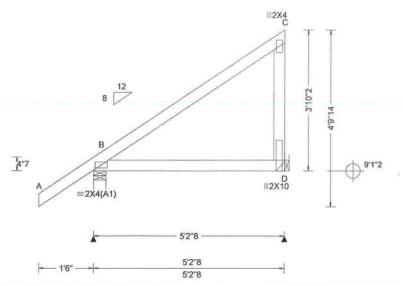
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC; iccsafe.org; AWC: awc.org



North Building, 4th Floor Glenview, IL 60025



SEQN: 750103 MONO Plv: 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)	DefI/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 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): 0.004 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

	G	Gravity		Non-Gravity		
Loc	R+	/ R-	/Rh	/Rw	/ U	/RL
В	347	1-	1-	/245	122	/150
D	194	1-	1-	/151	170	1-
Win	d read	ctions b	ased on I	MWFRS		
В	Brg V	Vid = 4.	0 Min I	Req = 1.5	(Trus	s)
D	Brg V	Vid = -	Min I	Reg = -	85	
Bea	ring B	is a rig	id surface	э.		
Mer	nhers	not liste	ed have fo	orces les	s than	375#

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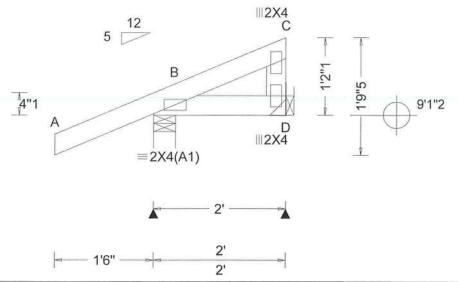
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Ply: SEQN: 749998 MONO Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qtv: 7 Bell Res DrwNo: 047.24.1000.51410 Truss Label: J12 KD / DF 02/16/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/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	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	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
•	Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	FT/RT:20(0)/10(0) Plate Type(s): WAVE	VIEW Ver: 23.02.04.0123.14

▲ Maximum Reactions (lbs) Gravity Non-Gravity /Rh /RL Loc /R-/Rw /U В 235 /167 152 147 38 /35 /15 1-Wind reactions based on MWFRS Brg Wid = 4.0 Min Req = 1.5 (Truss) Brg Wid = -Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Hangers / Ties

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=1'9" ,y=9'1"2 uses the following 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

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



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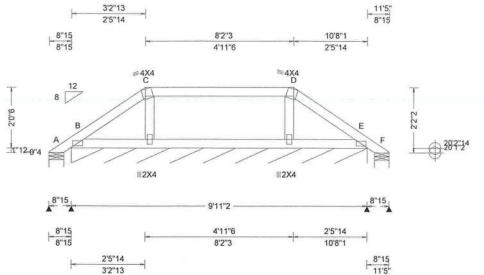
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For more information see these web sites: Alpine; alpineity com. TPI: topins org. SRCA: sheacomponents com. ICC: iccsafe org. AWC: awc org.





SEON: 750169 COMN Cust: R 215 JRef: 1XXd2150008 Ply: 1 Job Number: 24-0616 T13 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.1001.18227 Truss Label: PB01 02/16/2024 KD / DF



	40	8'2"3 2'5"14 2'2"13		15	
Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.000 B 999 240	▲ Maximum Reactions (Gravity Loc R+ /R- /Rh	lbs), or *=PLF Non-Gravity / Rw / U / F
BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00	Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Lu: NA Cs: NA Snow Duration: NA	VERT(CL): 0.001 B 999 180 HORZ(LL): 0.001 E HORZ(TL): 0.001 E	A - <i>I</i> -11 <i>I</i> - B* 77 <i>I</i> - <i>I</i> - F - <i>I</i> -11 <i>I</i> -	/41 /44 /5 /50 /25 /- /10 /11 /-
Mean Height: 15.87 ft TCDL: 5.0 psf BCDL: 5.0 psf BCDL: 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 GCoi: 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):	Creep Factor: 2.0 Max TC CSI: 0.525 Max BC CSI: 0.065 Max Web CSI: 0.066	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) Bearings A, B, & F are a rigid surface. Members not listed have forces less than 375#		
	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;

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

See Detail PB160220723 for piggyback details.



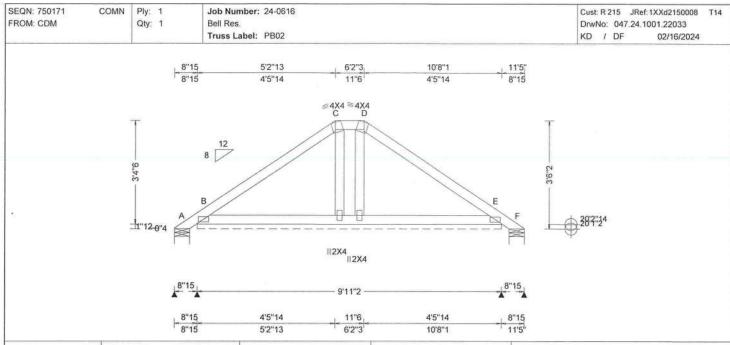
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions	(lbs), or *=PLF
TCLL: 20.00	Wind Std: ASCE 7-22	Pa: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.002 B 999 240	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.003 B 999 180	A - /-122 /-	/110 /165 /97
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 E	B* 99 /- /-	/66 /24 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.003 E	F - /-122 /-	/56 /111 /-
NCBCLL: 10.00	Mean Height: 16.53 ft	Building Code:	Creep Factor: 2.0	B /-137	
Soffit: 2.00	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res. HVHZ	Max TC CSI: 0.223	E /-116	MAJEDO
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.087	Wind reactions based on A Brg Wid = 5.9 Min	n Reg = 1.5 (Truss)
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.022		Reg = -
100 28 cm of the 100 42 25 day to 200 and 1	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)			Req = 1.5 (Truss)
	GCpi: 0.18	Plate Type(s):		Bearings A, B, & F are a	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14	Members not listed have	

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.

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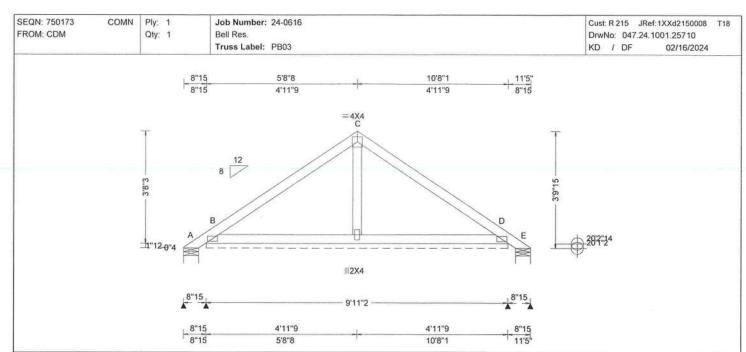
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactio	ons (lbs), or *=PLF	
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: 16.69 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	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	PP Deflection in loc L/defl L/# VERT(LL): 0.002 B 999 240 VERT(CL): 0.004 B 999 180 HORZ(LL): -0.002 D HORZ(TL): 0.004 D Creep Factor: 2.0 Max TC CSI: 0.279 Max BC CSI: 0.185 Max Web CSI: 0.027	Gravity Loc R+ / R- / I A - /-167 /- B* 127 /- /- E - /-167 /- B /-123 Wind reactions based A Brg Wid = 5.9 B Brg Wid = 119 E Brg Wid = 5.9	Non-Gra Rh / Rw / U /126 /201 /75 /10 /66 /142 d on MWFRS Min Req = 1.5 (Trus Min Req = - Min Req = 1.5 (Trus	
GCpi: 0.18 Wind Duration: 1.60		Plate Type(s): WAVE	VIEW Ver: 23.02.04.0123.14	Bearings A, B, & E are a rigid surface. Members not listed have forces less than		

Gravity			N	on-Gra	vity	
Loc	: R+	/ R-	/Rh	/Rw	/U	/RL
Α	-	/-167	1-	/126	/201	/109
B*	127	1-	1-	175	/10	1-
E	-	/-167	1-	/66	/142	1-
B		/-123				
Wit	nd read	ctions ba	sed on N	MWFRS		
A	Brg V	Vid = 5.9	Min F	Req = 1.5	5 (Trus	s)
В	Brg V	Vid = 11	9 Min F	Reg = -		
E	Brg V	Vid = 5.9	Min F	Reg = 1.5	5 (Trus	s)
Bea	arings	A, B, & E	E are a ri	gid surfa	ce.	3500
Me	mbers	not liste	d have fo	orces 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.

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

Wind loads based on MWFRS with additional C&C

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.



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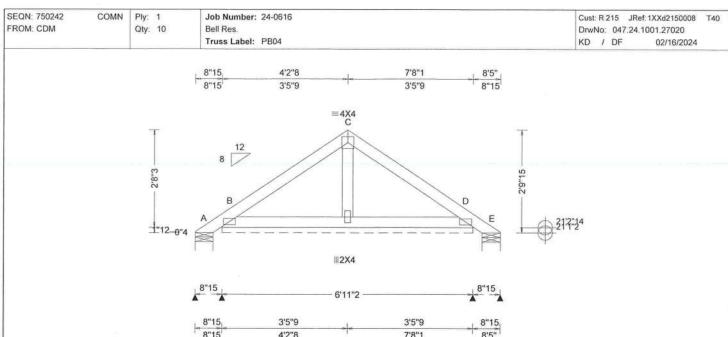
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (II	os), or *=F	LF
TCLL: 20.00 TCDL: 10.00	Wind Std: ASCE 7-22 Speed: 130 mph	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.001 B 999 240	Gravity Loc R+ /R- /Rh	Nor / Rw	n-Gravity /U /RL
BCLL: 0.00 BCDL: 10.00	Enclosure: Closed Risk Category: II EXP: C Kzt: NA	Lu: NA Cs: NA Snow Duration: NA	VERT(CL): 0.002 B 999 180 HORZ(LL): -0.001 D	A - /-51 /- B* 113 /- /-	100000	/88 /78 /4 /-
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	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	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 D	B Brg Wid = 83.1 Min F	IWFRS Req = 1.5 Req = - Req = 1.5 gid surface	(Truss) e.

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.

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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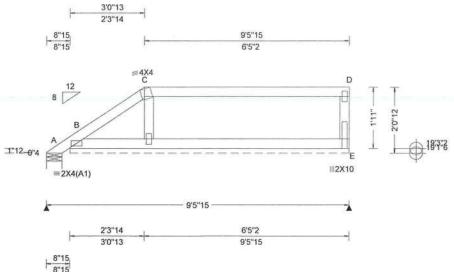
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SEQN: 750092 Ply: Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 T52 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.1001.29113 Truss Label: PB05 KD / DF 02/16/2024



	815						
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	os), or *=PLF Non-Gravity		
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.000 D 999 240	Loc R+ /R- /Rh	/Rw /U /RL		
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): -0.001 B 999 180	A 2 /- /-	/38 /17 /49		
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 E	B* 72 /- /-	/70 /19 /-		
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	40.00 EXP: C Kzt: NA Mean Height: 16.16 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h	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 E Creep Factor: 2.0 Max TC CSI: 0.762 Max BC CSI: 0.240 Max Web CSI: 0.249	Wind reactions based on MWFRS A Brg Wid = 5.9 Min Req = 1.5 (Truss) B Brg Wid = 104 Min Req = - Bearings A & B are a rigid surface. Members not listed have forces less than 375#			
<u> </u>	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;

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

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.

ALLEGO CONTRACTOR OF THE PARTY No. 66648 ESSIONAL COA #0 278 UNAL Florida Certificate of Product Approval #FL1999 02/16/2024

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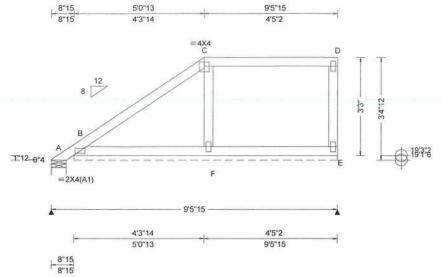
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SEQN: 750094 COMN Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.1001.31103 Truss Label: PB06 KD / DF 02/16/2024



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	Pg: NA	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 "	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	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

Gravity				Non-Gravity		
Loc	R+	/ R-	/Rh	/Rw	/U	/RI
Α	-	<i>I</i> -112	1-	/92	/146	/84
B*	85	1-	1-	/90	/23	1-
Wir	nd read	ctions ba	sed on M	IWFRS		
A	Brg V	Vid = 5.9	Min F	Reg = 1.5	(Trus	s)
В	Brg V	Vid = 10	4 Min F	Reg = -	00.000	
Bea	arings	A & B ar	e a rigid	surface.		
				orces 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 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



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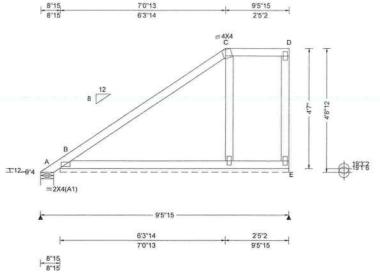
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025



SEON: 750096 COMN Ply: 1 Job Number: 24-0616 Cust: R 215 JRef: 1XXd2150008 Bell Res DrwNo: 047.24.1001.33177 FROM: CDM Qty: 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	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II	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): 0.004 B 999 240 VERT(CL): 0.011 B 999 180 HORZ(LL): 0.003 B -
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	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	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): 0.005 B Creep Factor: 2.0 Max TC CSI: 0.482 Max BC CSI: 0.215 Max Web CSI: 0.086

	G	Gravity		N	lon-Gra	vity
Loc	R+	/ R-	/Rh	/ Rw	/ U	/RL
Α	-	/-313	1-	/179	/373	/120
B*	108	1-	1-	/121	/31	1-
Wir	nd read	ctions ba	sed on M	MWFRS		
A	Brg V	Nid = 5.9	Min F	Reg = 1.	5 (Trus	s)
В	Brg V	Vid = 10	4 Min f	Reg = -		0.5
Bea	arings	A & B ar	e a rigid	surface.		
Ma	mhere	not liste	d have fo	arces les	e than	275#

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.

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.

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 4-8-12.



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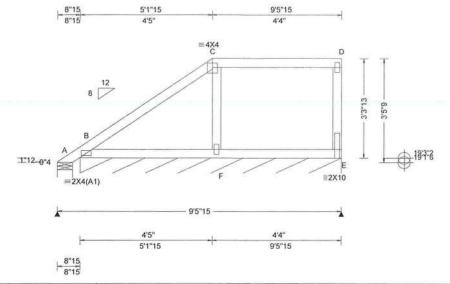
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See Detail PB160220723 for piggyback details.

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	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 B 999 240 VERT(CL): 0.004 B 999 180 HORZ(LL): 0.001 B HORZ(TL): 0.003 B
NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	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 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: 0.421 Max BC CSI: 0.161 Max Web CSI: 0.497 VIEW Ver: 23.02.04.0123.14

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity R+ / RL /R /U /-139 /99 /140 /91 B* 104 1-/69 127 1-/-106 B Wind reactions based on MWFRS Brg Wid = 5.9 Min Req = 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.

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.

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 3-5-9.



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SEQN: 750100 COMN Job Number: 24-0616 Ply: Cust: R 215 JRef: 1XXd2150008 T62 FROM: CDM Qty: 1 Bell Res DrwNo: 047.24.1001.43443 Truss Label: PB09 KD / DF 02/16/2024 3'1"15 8"15 9'5"15 8"15 2'5" 6'4" ≡4X4 C 2'1"9 18:3:2 1"12-0"4 112X10 2X4(A1) 9'5"15 2'5' 6'4" 3'1"15 9'5"15

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: > 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60

8"15 8"15

Snow Criteria (Pg,Pf in PSF)	DefI/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

▲ Maximum Reactions (II Gravity				Non-Gravity			
Loc	R+	/R-	/Rh	/Rw	/ U	/RI	
Α	0	/-3	1-	/40	/20	/51	
B*	72	1-	1-	/70	/19	1-	
Wi	nd read	ctions b	ased on M	MWFRS			
A	Brg V	Vid = 5.	9 Min F	Reg = 1.5	5 (Trus	s)	
В	Brg V	Vid = 10	04 Min F	Reg = -		0.00	
Bea	arings	А&Ва	re a rigid	surface.			
Me	mbers	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.

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



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





CLR Reinforcing Member Substitution

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

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

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

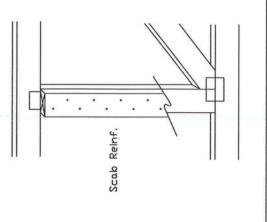
Apply (1) scab to each Center scab on wide face of web. face of web.

I-Reinf. L-Reinf. 0 Apply to either side of web narrow face. Attach with 10d (0.128'x3.0',mln) nalls at 6' o.c. Reinforcing member is a minimum 80% of web T-Reinforcement L-Reinforcement: member length.

Scab Reinforcement:

L-Reinf.

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.



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7C LL TC DL

CLR Subst. 01/02/19

SPACING

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracks. Refer toland follow the latest edition of EXX (Saulang Component Steety, Infrarraction, 1971 and S200, for safety, for safety, for safety, for safety, for safety, for safety, for safety in the property static for the safety bracking the safety shill have bracking best for choose and populate and shill have bracken structural sheething and both in choose and position as a property static for for safety safety. The safety of the safety s



The top chord #3 grade 2x4 scab may be replaced with either of the following (1) 3XB Trulox plate attached with (8) 0.120'x1.375' nalls, (4) with cap TC & (4) into base truss TC or (1) 28PB wave piggyback plate plated to the piggyback truss TC and attached to the base truss TC with 40.120'x1.375' nalls. Note: Nailing thru holes of wave plate is acceptable. <u>Trulox</u> Use 3X8 Trulox plates for Ex4 chord member, and Use 3X8 Trulox plates for Ex6 and larger chord members. Attach to each face 8 8. o.c. with (4) 0.120'xi.3.75' nalls into cap bottom chord and (4) lib base trues top chord. Trulox plates may be staggered 4' o.c. front to back faces. Piggyback cap truss slant nailed to all top chord APA Rated Gusset 8'x8'x7/16' win) APA rated sheathing gussets (each feach Attach e 8' oc. with (8) 6d common (0.113'x2'), nails per gusset, (4) in cap bottom chord and (4) in base truss top chord. Gussets may be staggered 4' oc. front to back faces. PB160220723 Kzt=1,00 2x4 Vertical Scabs 2x4 SPF #2, full chord depth scabs (each face). Attach @ 8' o.c. with (6) 10d box nails (0,128'x3') per scab, (3) in cap bottom chord and (3) in base truss top chord. Scabs may be staggered 4' o.c. front to back faces. Dne 28PB wave piggyback plate to each face 8 % or. Affach teeth to piggyback at time of fabrication. Affach to supporting truss with (4) 0.130°X.1375° nalls per face per ply. Piggyback plates may be staggered 4° oc. front to back faces. 07/03/2023 purlin bracing with (2) 16d box nails (0.135'x3.5') and secure top chord with 2x4 #3 grade scab **PIGGYBACK** Attach purlin bracing to the flat top chord using (2) 16d box nalls (0.135'x3.5'). (1 side only at each end) attached with 2 rows of 10d box nalls (0,128'x3') at 4' o.c. * In addition, provide connection with one of the following methods: ပ DRWG DATE 28PB Wave Piggyback Plate Exposure 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 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, ORIO (COR) (Piggyback cap truss slant nalled to all top chord purlin bracing with (2) 16d box nalls (0.135'x3.5') and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nalls (0.128'x3') at 4' oc. 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. unting regulated at LEM Attach purlin bracing to the flat top chord using a minimum of (2) 16d box nalls (0.135'x3.5'). STATE OF Mean Height, urlin Spacing = Purlin Spacing > 24" O.C. MOX ** Refer to Engineer's sealed truss design drawing for piggyback and base truss specifications. Trusses require extrene care in fabricating, handling, shipping, installing and bracing. Refer to and foliate the latest ention of BCSI Galding Component Selecty Information, by The and SBCAI for selecty increases prior to performing these functions. Installers shall provide temporary bracing per BCSI. United so that the property attached shall have property attached shall now property attached shall now a property attached regide (selling, Locations shown for permanent lateral most shall have bracing installed per BCSI sections B3, B7 on B10, as applicable, Apply plates to ear FCA for trust and position as shown above and on the Joint Betalls, unless noted otherwise. Flat top chord purling Alphe, a division of ITV Building Congonents Group Inc. shall not be responsible for any deviations of the division of LTV Building Congonents Group Inc. shall has ASI/IPI I, or for handling, shipping installation & bracing of trusses. Installation & bracing of trusses. A seal on this farawing or cover page listing this dealing, indicates acceptance of professional entry esponsibility so the design shown. The satisability and use of this drawing for any structure is the responsibility of the Building Designer for ANIXIII I Sec... For nore information see this job's general notes page and these web sites ALPINE www.apinstorgi SECA www.scoconponents.com ICC www.ccsefe.org both ends, purlin sp Note! 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. BELVARUNIES FURNISH READ AND FOLLOW ALL NOTES ON THIS DRAVING THE INSTALLERS. 24" o.c. or less 30, mph, 7-22: 160 Detail B : Purlin Spacing > 24" o.c. Full Chord Depth П Detail A : Purlin Spacing ASCE Top Chord Scab (Typical Each End) Top Chord Scab (Typical Each End) Piggyback Detail AN ITW COMPANY Up to 12 Up to 12 North Building, 4th Floor Glenview, IL 60025 155 Harlem Ave

